



Building knowledge

# Job Order Contract Construction Task Catalog®

Book 1 CSI Divisions 01 - 43 2022

Cal Poly Humboldt



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## About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **Cal Poly Humboldt**, priced locally using current labor, material and equipment costs, and published in June 2022.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **Cal Poly Humboldt**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

## MasterFormat™

- ☑ The Tasks in this CTC are organized using CSI's *MasterFormat*.



## The Unit Prices Include:

### LABOR COSTS:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the Task; disposal of excess material; and time for lunch and breaks.

2022

### EQUIPMENT COSTS:

- ☑ Equipment costs include all equipment required to accomplish the Task.
- ☑ Mobilization is included for all equipment except large equipment (e.g. cranes, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

### MATERIAL COSTS:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.

## The Adjustment Factors Include:

The Adjustment Factors include the following costs, unless specifically excluded by the terms of the Contract Documents:

### BUSINESS COSTS:

- ☑ Office overhead, including, but not limited to, office space, office equipment, office and management personnel, office supplies, and employee transportation.
- ☑ Insurance and bonding.
- ☑ Profit.

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- Job Order development services, Owner meetings, and other administrative services required by the Contract Documents.
- Subcontractor's overhead and profit.
- Cost of financing the work.
- Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

### PROJECT RELATED COSTS:

- Project trailer, equipment and supplies, and portable toilets for Contractor's use.
- Project management and project supervision.
- Services required to complete project filings and obtain permits.
- Preparation and modification of sketches, drawings, submittals, as-built drawings, project photographs and other project records.
- Incidental engineering and architectural services.
- Gang boxes and storage containers for Contractor's tools, equipment and materials.
- Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- Meeting Owner's security requirements.
- All taxes for which a waiver is not available including material sales tax and equipment rental.
- Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- Sealing windows, doors and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.
- Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow.

- Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- Daily clean-up.
- Final professional clean-up.

### PRICE VARIATIONS:

- Contractors may experience direct costs that are different than the unit prices set forth in the CTC. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.

### SUMMARY:

- This list is not exhaustive and is intended to provide general examples of costs to be included in the Contractor's Adjustment Factors.
- The only compensation to be paid to the Contractor for Tasks will be:

**Unit Price X Quantity X Adjustment Factor**

- No additional payments of any kind whatsoever will be made.
- All costs in excess of the unit prices, must be included in the Adjustment Factors.

### General Rules:

- Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the Task as described in the CTC.
- All labor, material, equipment, spare parts, and documents required by a Technical Specification shall be considered included in the unit price, unless the Task description states otherwise.
- If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or



other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 stories, the Contractor will be paid for such crane or lifting equipment as a separate Task.

- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or for relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the Task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a Task, quantities are calculated on a per project basis. The quantity so determined shall be used for the Task and all appropriate modifiers, unless the Task states otherwise.
- ☑ Whenever there are alternative Tasks that may be selected to complete work, the Contractor shall select the most practical and economical Tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

#### DEMOLITION:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and

transporting the demolished items up or down 2 stories into a truck, dumpster, or to an Owner designated area, located within 125' of the project site.

- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition Task, unless the component must be demolished separately to accomplish the work (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the work; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

#### WORKING HEIGHT:

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

#### FIELD ENGINEERING:

- ☑ Surveying Tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the

## Using The Construction Task Catalog®

Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate Tasks.

### ASSEMBLIES:

- ☑ Assembly Tasks take precedence over individual component Tasks.

### RESTRICTED AND CONFINED SPACES:

- ☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories Tasks and for certain electrical conduit and conduit accessories Tasks. Only those Tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated Tasks. A Non-Prepriced Task will not be allowed because of Restricted Working Space for any Task.
- ☑ The Code of Federal Regulations (29 CFR part 1926, Subpart AA) define confined spaces and permit-required confined spaces for construction and set forth requirements, procedures and safety precautions for working in such spaces. If the Contractor must work in a confined space or a permit-required confined space and must provide ventilation equipment, air monitoring equipment and services, entry attendants, entry supervisors, site-specific training for workers, or other equipment and services required by the regulations, then the Contractor shall be paid for such equipment, services and training. Those costs shall not be included in the Adjustment Factors.

### Or Equals:

- ☑ Whenever material, products, or equipment is identified in the CTC, or in the Technical Specifications, by reference to a manufacturer's name, make or model number, the identification is intended to establish a standard. Any material, product, or equipment of another manufacturer may be considered an or-equal provided that, in the opinion of the Owner, the material, product, or equipment so proposed is of equal quality, substance and function to the named item. The Contractor shall not install any proposed material, product, or equipment without the prior written approval of the Owner. The burden of proof, and all costs related thereto, concerning whether the proposed material, product, or equipment is an or-equal, shall be borne by the Contractor.

### Useful Information:

#### UNIT OF MEASURE DEFINITIONS:

**ACR** – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT** – Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One

Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

**MATERIAL WEIGHTS:**

**EARTHEN MATERIAL**

- The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

**BULK FACTORS FOR DEMOLITION:**

- The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.
  - **Asphalt** = 1.25
  - **Concrete** = 1.40

**CONVERSIONS:**

- 1 Acre** = 43,560 Square Feet = 4046.8 Square Meters
- 1 Board Foot** = 12" x 12" x 1" = 144 Cubic Inches
- 1 Centimeter** = 0.3937 Inches = 0.0328 Feet
- 1 Cubic Foot** = 0.03704 Cubic Yards = 0.02832 Cubic Meters
- 1 Cubic Meter** = 1.3080 Cubic Yards = 35.3147 Cubic Feet
- 1 Cubic Yard** = 27 Cubic Feet = 0.7646 Cubic Meters
- 1 Foot** = 12 Inches = 0.3048 Meters
- 1 Inch** = 2.54 Centimeters = 0.0254 Meters
- 1 Kilogram** = 2.2046 Pounds
- 1 Kilometer** = 0.6214 Miles = 3280 Feet
- 1 Meter** = 100 Centimeters = 3.2808 Feet
- 1 Mile** = 5280 Feet = 1.6093 Kilometers
- 1 Pound** = 0.4536 Kilograms
- 1 Square Foot** = 144 Square Inches = .0929 Square Meters
- 1 Square Meter** = 1.1960 Square Yards = 10.7639 Square Feet
- 1 Square Yard** = 9 Square Feet = 0.8361 Square Meters
- 1 Ton** = 2000 Pounds = 907.185 Kilograms
- 1 Yard** = 3 Feet = 0.9144 Meters

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Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

## STANDARD GEOMETRY:

### Circle

- Circumference =  $2 \pi$  radius =  $\pi$  diameter
- Area =  $\pi$  radius<sup>2</sup> =  $\pi$  (diameter<sup>2</sup> / 4)

### Cylinder

- Volume = ( $\pi$  radius<sup>2</sup>) height
- Surface Area =  $2 \pi$  radius<sup>2</sup> + ( $2 \pi$  radius) height

### Sphere

- Volume =  $(4 \pi$  radius<sup>3</sup>) / 3
- Surface Area =  $4 \pi$  radius<sup>2</sup>

### $\pi = 3.14159$

### United Inch

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

## TRADEMARKS

- Job Order Contracting Advanced, Job Order Contracting Complete, Job Order Contracting



<b>General Requirements</b>	<b>01</b>	<b>10</b>
Price and Payment Procedures	01 20	
Unit Prices	01 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

## 01 General Requirements

### 01 20 Price and Payment Procedures <sup>(01)</sup>

#### 01 22 Unit Prices <sup>(01 20)</sup>

##### 01 22 16 Unit Price Payment <sup>(01 22)</sup>

##### 01 22 16 00-0001 Reimbursable Fees <sup>(01 22 16)</sup>

Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, expedited shipping costs, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0002	EA	Reimbursable Fees.....	1.00
		Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.	

##### 01 22 20 Wage Rates <sup>(01 22)</sup>

##### 01 22 20 00-0001 Local Labor/Wage Rates <sup>(01 22 20)</sup>

Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.

01 22 20 00-0002	HR	Asbestos Removal Worker .....	69.46
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreperson, Add	3.47
		For Apprentice, Deduct	-13.89
01 22 20 00-0003	HR	Insulator .....	106.06
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreperson, Add	5.30
		For Apprentice, Deduct	-21.21
01 22 20 00-0004	HR	Boilermaker.....	100.42
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreperson, Add	5.02
		For Apprentice, Deduct	-20.08
01 22 20 00-0005	HR	Brick Layer.....	104.72
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreperson, Add	5.24
		For Apprentice, Deduct	-20.94
01 22 20 00-0006	HR	Carpenter.....	107.70
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreperson, Add	5.39
		For Apprentice, Deduct	-21.54
01 22 20 00-0007	HR	Carpet, Linoleum .....	66.59
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreperson, Add	3.33
		For Apprentice, Deduct	-13.32
01 22 20 00-0008	HR	Cement Mason .....	85.56
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreperson, Add	4.28
		For Apprentice, Deduct	-17.11
01 22 20 00-0009	HR	Drywall Finisher .....	101.96
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreperson, Add	5.10
		For Apprentice, Deduct	-20.39
01 22 20 00-0010	HR	Electrician .....	103.54
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreperson, Add	5.18
		For Apprentice, Deduct	-20.71
01 22 20 00-0011	HR	Equipment Operator, Heavy (Crane) .....	108.93
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreperson, Add	5.45
		For Apprentice, Deduct	-21.79
01 22 20 00-0012	HR	Equipment Operator, Medium (Bulldozer) .....	106.15
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreperson, Add	5.31
		For Apprentice, Deduct	-21.23
01 22 20 00-0013	HR	Equipment Operator, Light (Backhoe, Skid-Steer Loader).....	100.88
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreperson, Add	5.04
		For Apprentice, Deduct	-20.18
01 22 20 00-0014	HR	Glazier .....	94.70
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreperson, Add	4.74
		For Apprentice, Deduct	-18.94
01 22 20 00-0015	HR	Laborer .....	78.73
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreperson, Add	3.94
		For Apprentice, Deduct	-15.75

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0016	HR		Lather.....	102.16	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.11	
			For Apprentice, Deduct	-20.43	
01 22 20 00-0017	HR		Marble Setter.....	112.76	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.64	
			For Apprentice, Deduct	-22.55	
01 22 20 00-0018	HR		Millwright.....	104.01	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.20	
			For Apprentice, Deduct	-20.80	
01 22 20 00-0019	HR		Painter, Ordinary.....	75.48	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	3.77	
			For Apprentice, Deduct	-15.10	
01 22 20 00-0020	HR		Painter, Structural Steel.....	79.54	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	3.98	
			For Apprentice, Deduct	-15.91	
01 22 20 00-0021	HR		Paperhanger.....	75.48	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	3.77	
			For Apprentice, Deduct	-15.10	
01 22 20 00-0022	HR		Pile Drivers.....	124.17	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	6.21	
			For Apprentice, Deduct	-24.83	
01 22 20 00-0023	HR		Plasterer.....	98.84	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.94	
			For Apprentice, Deduct	-19.77	
01 22 20 00-0024	HR		Plumber.....	104.63	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.23	
			For Apprentice, Deduct	-20.93	
01 22 20 00-0025	HR		Powderman.....	82.78	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.14	
			For Apprentice, Deduct	-16.56	
01 22 20 00-0026	HR		Rodman (Reinforcing)/Ornamental Steel Worker.....	98.26	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.91	
			For Apprentice, Deduct	-19.65	
01 22 20 00-0027	HR		Roofer, Composite.....	97.18	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.86	
			For Apprentice, Deduct	-19.44	
01 22 20 00-0028	HR		Roofer, Tile/Slate.....	97.18	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.86	
			For Apprentice, Deduct	-19.44	
01 22 20 00-0029	HR		Sheet Metal Worker.....	142.12	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	7.11	
			For Apprentice, Deduct	-28.42	
01 22 20 00-0030	HR		Sprinkler Installer.....	85.73	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.29	
			For Apprentice, Deduct	-17.15	
01 22 20 00-0031	HR		Steam / Pipe Fitter.....	104.63	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.23	
			For Apprentice, Deduct	-20.93	
01 22 20 00-0032	HR		Stone Mason.....	104.72	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.24	
			For Apprentice, Deduct	-20.94	
01 22 20 00-0033	HR		Structural Steel Worker.....	100.47	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.02	
			For Apprentice, Deduct	-20.09	
01 22 20 00-0034	HR		Tile Layer.....	93.29	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.66	
			For Apprentice, Deduct	-18.66	
01 22 20 00-0035	HR		Terrazzo Worker.....	101.18	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.06	
			For Apprentice, Deduct	-20.24	
01 22 20 00-0036	HR		Truck Driver, Light.....	83.85	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.19	
			For Apprentice, Deduct	-16.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0037 HR Truck Driver, Heavy.....	84.71	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	4.24	
For Apprentice, Deduct	-16.94	
01 22 20 00-0038 HR Welder.....	100.47	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.02	
For Apprentice, Deduct	-20.09	
<b>01 22 20 00-0039 Rates For Services (01 22 20)</b>		
01 22 20 00-0040 HR Watch/Guard Person, Unarmed.....	26.86	
01 22 20 00-0041 HR Watch/Guard Person, Armed.....	33.95	
01 22 20 00-0042 HR Senior Surveyor (Party Chief).....	113.31	
01 22 20 00-0043 HR Surveyor (Instrument person).....	107.81	
01 22 20 00-0044 HR Surveyor (Rod Person).....	103.40	
01 22 20 00-0045 HR On-Site Certified Materials Testing Technician.....	75.70	
01 22 20 00-0046 HR Certified Industrial Hygienist.....	101.78	
01 22 20 00-0047 MI Mileage For Professional Services (Engineering, Surveying, Etcetera).....	0.56	
Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0048 HR Fire Watch Laborer.....	78.73	
Note: Fire watchers shall be required whenever welding or cutting is performed in locations where other than a minor fire might develop, or any of the following conditions exist: (1) Appreciable combustible material, in building construction or contents, closer than 35 feet (10.7 m) to the point of operation. (2) Appreciable combustibles are more than 35 feet (10.7 m) away but are easily ignited by sparks. (3) Wall or floor openings within a 35-foot (10.7 m) radius expose combustible material in adjacent areas including concealed spaces in walls or floors. (4) Combustible materials are adjacent to the opposite side of metal partitions, walls, ceilings, or roofs and are likely to be ignited by conduction or radiation.		
<b>01 22 20 00-0049 Rates For Project Management Services (01 22 20)</b>		
01 22 20 00-0050 HR Project Manager.....	151.80	
<b>01 22 20 00-0051 Rates For Architectural And Engineering Services (01 22 20)</b>		
Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0052 HR Principal Architect.....	212.52	
01 22 20 00-0053 HR Senior Architect.....	187.22	
01 22 20 00-0054 HR Architect.....	142.94	
01 22 20 00-0055 HR Principal Engineer.....	212.52	
01 22 20 00-0056 HR Senior Engineer.....	161.92	
01 22 20 00-0057 HR Engineer.....	129.03	
01 22 20 00-0058 HR Draft Person.....	76.53	
<b>01 22 20 00-0059 Rates For Traffic Control (01 22 20)</b>		
01 22 20 00-0060 DAY Pilot Vehicle With Driver.....	1,015.60	
Note: Includes radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.		
01 22 20 00-0061 HR Flagperson For Traffic Control.....	78.73	
<b>01 22 20 00-0062 Mobilize Equipment (01 22 20)</b>		
01 22 20 00-0063 HR Escort Vehicle With Driver.....	92.16	
01 22 20 00-0064 HR Transport Vehicle With Driver.....	136.84	
<b>01 22 23 Equipment Usage (01 22)</b>		
Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. See CSI section 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.		
<b>01 22 23 00-0001 Aerial Equipment (01 22 23)</b>		
<b>01 22 23 00-0002 Man Lifts (01 22 23 00-0001)</b>		
Note: Excludes operator, delivery, set-up, and removal.		
<b>01 22 23 00-0003 Telescoping Boom Man Lifts With Platform (01 22 23 00-0002)</b>		
<b>01 22 23 00-0004 Engine Powered, Telescoping Boom Man Lifts With Platform (01 22 23 00-0003)</b>		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0005 DAY 40' Engine Powered, Telescoping Boom Man Lift With Platform.....	448.07	
For Four-Wheel Drive, Add	100.82	
01 22 23 00-0006 WK 40' Engine Powered, Telescoping Boom Man Lift With Platform.....	1,127.41	
For Four-Wheel Drive, Add	253.67	
01 22 23 00-0007 MO 40' Engine Powered, Telescoping Boom Man Lift With Platform.....	2,529.45	
For Four-Wheel Drive, Add	569.13	
01 22 23 00-0008 DAY 60' Engine Powered, Telescoping Boom Man Lift With Platform.....	657.66	
For Four-Wheel Drive, Add	147.97	
01 22 23 00-0009 WK 60' Engine Powered, Telescoping Boom Man Lift With Platform.....	1,568.26	
For Four-Wheel Drive, Add	352.86	
01 22 23 00-0010 MO 60' Engine Powered, Telescoping Boom Man Lift With Platform.....	3,432.82	
For Four-Wheel Drive, Add	772.38	





MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0011	DAY 80' Engine Powered, Telescoping Boom Man Lift With Platform ..... <i>For Four-Wheel Drive, Add</i>	1,279.18 287.82
01 22 23 00-0012	WK 80' Engine Powered, Telescoping Boom Man Lift With Platform ..... <i>For Four-Wheel Drive, Add</i>	3,100.38 697.59
01 22 23 00-0013	MO 80' Engine Powered, Telescoping Boom Man Lift With Platform ..... <i>For Four-Wheel Drive, Add</i>	6,504.30 1,463.47
01 22 23 00-0014	DAY 110' Engine Powered, Telescoping Boom Man Lift With Platform ..... <i>For Four-Wheel Drive, Add</i>	1,821.20 409.77
01 22 23 00-0015	WK 110' Engine Powered, Telescoping Boom Man Lift With Platform ..... <i>For Four-Wheel Drive, Add</i>	4,385.34 986.70
01 22 23 00-0016	MO 110' Engine Powered, Telescoping Boom Man Lift With Platform ..... <i>For Four-Wheel Drive, Add</i>	10,927.22 2,458.62
01 22 23 00-0017	DAY 120' Engine Powered, Telescoping Boom Man Lift With Platform ..... <i>For Four-Wheel Drive, Add</i>	2,218.69 499.21
01 22 23 00-0018	WK 120' Engine Powered, Telescoping Boom Man Lift With Platform ..... <i>For Four-Wheel Drive, Add</i>	5,658.74 1,273.22
01 22 23 00-0019	MO 120' Engine Powered, Telescoping Boom Man Lift With Platform ..... <i>For Four-Wheel Drive, Add</i>	12,864.06 2,894.41

**01 22 23 00-0020**     **Articulating (Up/Over) Boom Man Lifts With Platform** (01 22 23 00-0002)

**01 22 23 00-0021**     **Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform** (01 22 23 00-0020)

Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0022	DAY 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	393.94
01 22 23 00-0023	WK 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	988.42
01 22 23 00-0024	MO 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	2,377.95
01 22 23 00-0025	DAY 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	501.38
01 22 23 00-0026	WK 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	1,095.86
01 22 23 00-0027	MO 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	2,720.32
01 22 23 00-0028	DAY 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	644.62
01 22 23 00-0029	WK 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	1,489.80
01 22 23 00-0030	MO 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	3,330.56
01 22 23 00-0031	DAY 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	1,124.51
01 22 23 00-0032	WK 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	2,650.12
01 22 23 00-0033	MO 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	6,444.82
01 22 23 00-0034	DAY 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	2,184.56
01 22 23 00-0035	WK 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	5,157.00
01 22 23 00-0036	MO 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	12,606.00

**01 22 23 00-0037**     **Electric, Articulating (Up/Over) Boom Man Lifts With Platform** (01 22 23 00-0020)

Note: For use on paved surfaces.

01 22 23 00-0038	DAY 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	393.94
01 22 23 00-0039	WK 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	988.42
01 22 23 00-0040	MO 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	2,377.95
01 22 23 00-0041	DAY 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	393.94
01 22 23 00-0042	WK 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	988.42
01 22 23 00-0043	MO 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	2,377.95
01 22 23 00-0044	DAY 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	487.05
01 22 23 00-0045	WK 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	1,052.89
01 22 23 00-0046	MO 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	2,614.31
01 22 23 00-0047	DAY 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	487.05
01 22 23 00-0048	WK 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	1,052.89
01 22 23 00-0049	MO 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	2,614.31

**01 22 23 00-0050**     **Platform Lifts** (01 22 23 00-0001)

Note: Excludes operator, delivery, set-up, and removal.

**01 22 23 00-0051**     **Electric, Scissor Platform Lifts** (01 22 23 00-0050)

Note: For use on paved surfaces.

01 22 23 00-0052	DAY 17' Electric, Scissor Platform Lift .....	156.29
01 22 23 00-0053	WK 17' Electric, Scissor Platform Lift .....	312.58
01 22 23 00-0054	MO 17' Electric, Scissor Platform Lift .....	639.36
01 22 23 00-0055	DAY 20' Electric, Scissor Platform Lift .....	170.50
01 22 23 00-0056	WK 20' Electric, Scissor Platform Lift .....	340.99
01 22 23 00-0057	MO 20' Electric, Scissor Platform Lift .....	681.98
01 22 23 00-0058	DAY 25' Electric, Scissor Platform Lift .....	220.22
01 22 23 00-0059	WK 25' Electric, Scissor Platform Lift .....	440.45
01 22 23 00-0060	MO 25' Electric, Scissor Platform Lift .....	944.83
01 22 23 00-0061	DAY 30' Electric, Scissor Platform Lift .....	284.16
01 22 23 00-0062	WK 30' Electric, Scissor Platform Lift .....	561.22
01 22 23 00-0063	MO 30' Electric, Scissor Platform Lift .....	1,243.20
01 22 23 00-0064	DAY 33' Electric, Scissor Platform Lift .....	305.47
01 22 23 00-0065	WK 33' Electric, Scissor Platform Lift .....	596.74
01 22 23 00-0066	MO 33' Electric, Scissor Platform Lift .....	1,349.76
01 22 23 00-0067	DAY 40' Electric, Scissor Platform Lift .....	397.82
01 22 23 00-0068	WK 40' Electric, Scissor Platform Lift .....	987.46
01 22 23 00-0069	MO 40' Electric, Scissor Platform Lift .....	2,749.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**01 22 23 00-0070 Engine Powered, Scissor Platform Lifts** (01 22 23 00-0050)  
 Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0071	DAY 25' Engine Powered, Scissor Platform Lift	414.52	
	<i>For Four-Wheel Drive, Add</i>	82.90	
01 22 23 00-0072	WK 25' Engine Powered, Scissor Platform Lift	810.61	
	<i>For Four-Wheel Drive, Add</i>	162.12	
01 22 23 00-0073	MO 25' Engine Powered, Scissor Platform Lift	1,980.47	
	<i>For Four-Wheel Drive, Add</i>	396.09	
01 22 23 00-0074	DAY 33' Engine Powered, Scissor Platform Lift	423.73	
	<i>For Four-Wheel Drive, Add</i>	84.75	
01 22 23 00-0075	WK 33' Engine Powered, Scissor Platform Lift	967.21	
	<i>For Four-Wheel Drive, Add</i>	193.44	
01 22 23 00-0076	MO 33' Engine Powered, Scissor Platform Lift	2,118.64	
	<i>For Four-Wheel Drive, Add</i>	423.73	
01 22 23 00-0077	DAY 40' Engine Powered, Scissor Platform Lift	469.79	
	<i>For Four-Wheel Drive, Add</i>	93.96	
01 22 23 00-0078	WK 40' Engine Powered, Scissor Platform Lift	1,077.75	
	<i>For Four-Wheel Drive, Add</i>	215.55	
01 22 23 00-0079	MO 40' Engine Powered, Scissor Platform Lift	2,394.99	
	<i>For Four-Wheel Drive, Add</i>	479.00	
01 22 23 00-0080	DAY 43' Engine Powered, Scissor Platform Lift	497.42	
	<i>For Four-Wheel Drive, Add</i>	99.48	
01 22 23 00-0081	WK 43' Engine Powered, Scissor Platform Lift	1,160.65	
	<i>For Four-Wheel Drive, Add</i>	232.13	
01 22 23 00-0082	MO 43' Engine Powered, Scissor Platform Lift	2,855.56	
	<i>For Four-Wheel Drive, Add</i>	571.11	
01 22 23 00-0083	DAY 50' Engine Powered, Scissor Platform Lift	930.36	
	<i>For Four-Wheel Drive, Add</i>	186.07	
01 22 23 00-0084	WK 50' Engine Powered, Scissor Platform Lift	2,044.95	
	<i>For Four-Wheel Drive, Add</i>	408.99	
01 22 23 00-0085	MO 50' Engine Powered, Scissor Platform Lift	5,029.48	
	<i>For Four-Wheel Drive, Add</i>	1,005.90	

**01 22 23 00-0086 Personnel Lifts** (01 22 23 00-0001)  
 Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.

01 22 23 00-0087	DAY 24', Push-Type, Electric Single Man Personnel Lift	125.50	
01 22 23 00-0088	WK 24', Push-Type, Electric Single Man Personnel Lift	355.57	
01 22 23 00-0089	MO 24', Push-Type, Electric Single Man Personnel Lift	718.12	
01 22 23 00-0090	DAY 30', Push-Type, Electric Single Man Personnel Lift	174.30	
01 22 23 00-0091	WK 30', Push-Type, Electric Single Man Personnel Lift	369.52	
01 22 23 00-0092	MO 30', Push-Type, Electric Single Man Personnel Lift	1,254.96	
01 22 23 00-0093	DAY 36', Push-Type, Electric Single Man Personnel Lift	292.82	
01 22 23 00-0094	WK 36', Push-Type, Electric Single Man Personnel Lift	711.14	
01 22 23 00-0095	MO 36', Push-Type, Electric Single Man Personnel Lift	2,077.66	
01 22 23 00-0096	DAY 40', Push-Type, Electric Single Man Personnel Lift	313.74	
01 22 23 00-0097	WK 40', Push-Type, Electric Single Man Personnel Lift	780.86	
01 22 23 00-0098	MO 40', Push-Type, Electric Single Man Personnel Lift	2,349.56	
01 22 23 00-0099	DAY 15', Self-Propelled, Electric Single Man Personnel Lift	167.33	
01 22 23 00-0100	WK 15', Self-Propelled, Electric Single Man Personnel Lift	334.66	
01 22 23 00-0101	MO 15', Self-Propelled, Electric Single Man Personnel Lift	669.31	
01 22 23 00-0102	DAY 20', Self-Propelled, Electric Single Man Personnel Lift	167.33	
01 22 23 00-0103	WK 20', Self-Propelled, Electric Single Man Personnel Lift	334.66	
01 22 23 00-0104	MO 20', Self-Propelled, Electric Single Man Personnel Lift	695.81	

**01 22 23 00-0105 Bucket Trucks** (01 22 23 00-0001)  
 Note: Includes full-time operator, delivery, and removal.

01 22 23 00-0106	DAY 29' Bucket Truck With Full-Time Operator	1,244.84	
	<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-0107	WK 29' Bucket Truck With Full-Time Operator	5,089.89	
	<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-0108	MO 29' Bucket Truck With Full-Time Operator	19,014.16	
	<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
01 22 23 00-0109	DAY 38' Bucket Truck With Full-Time Operator	1,317.02	
	<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-0110	WK 38' Bucket Truck With Full-Time Operator	5,321.91	
	<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-0111	MO 38' Bucket Truck With Full-Time Operator	19,632.88	
	<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
01 22 23 00-0112	DAY 48' Bucket Truck With Full-Time Operator	1,502.64	
	<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-0113	WK 48' Bucket Truck With Full-Time Operator	5,657.05	
	<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-0114	MO 48' Bucket Truck With Full-Time Operator	20,354.72	
	<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
01 22 23 00-0115	DAY 62' Bucket Truck With Full-Time Operator	1,915.12	
	<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-0116	WK 62' Bucket Truck With Full-Time Operator	6,997.61	
	<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-0117	MO 62' Bucket Truck With Full-Time Operator	23,963.92	
	<i>For Equipment Without Operator, Deduct</i>	-14,683.12	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0118 DAY 85' Bucket Truck With Full-Time Operator .....	2,121.36	
For Equipment Without Operator, Deduct .....	-677.68	
01 22 23 00-0119 WK 85' Bucket Truck With Full-Time Operator .....	7,719.45	
For Equipment Without Operator, Deduct .....	-3,388.41	
01 22 23 00-0120 MO 85' Bucket Truck With Full-Time Operator .....	26,541.92	
For Equipment Without Operator, Deduct .....	-14,683.12	
01 22 23 00-0121 Day 105' Bucket Truck With Full-Time Operator .....	2,224.48	
For Equipment Without Operator, Deduct .....	-677.68	
01 22 23 00-0122 WK 105' Bucket Truck With Full-Time Operator .....	8,028.81	
For Equipment Without Operator, Deduct .....	-3,388.41	
01 22 23 00-0123 MO 105' Bucket Truck With Full-Time Operator .....	26,789.41	
For Equipment Without Operator, Deduct .....	-14,683.12	
<b>01 22 23 00-0124 Air Equipment (01 22 23)</b>		
<b>01 22 23 00-0125 Air Compressors (01 22 23 00-0124)</b>		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0126 DAY 100 CFM Diesel Powered Portable Air Compressor .....	170.54	
01 22 23 00-0127 WK 100 CFM Diesel Powered Portable Air Compressor .....	511.63	
01 22 23 00-0128 MO 100 CFM Diesel Powered Portable Air Compressor .....	1,421.19	
01 22 23 00-0129 DAY 130 CFM Diesel Powered Portable Air Compressor .....	204.65	
01 22 23 00-0130 WK 130 CFM Diesel Powered Portable Air Compressor .....	602.58	
01 22 23 00-0131 MO 130 CFM Diesel Powered Portable Air Compressor .....	1,705.42	
01 22 23 00-0132 DAY 185 CFM Diesel Powered Portable Air Compressor .....	272.87	
01 22 23 00-0133 WK 185 CFM Diesel Powered Portable Air Compressor .....	613.95	
01 22 23 00-0134 MO 185 CFM Diesel Powered Portable Air Compressor .....	1,352.97	
01 22 23 00-0135 DAY 375 CFM Diesel Powered Portable Air Compressor .....	386.56	
01 22 23 00-0136 WK 375 CFM Diesel Powered Portable Air Compressor .....	977.78	
01 22 23 00-0137 MO 375 CFM Diesel Powered Portable Air Compressor .....	2,330.75	
01 22 23 00-0138 DAY 600 CFM Diesel Powered Portable Air Compressor .....	859.53	
01 22 23 00-0139 WK 600 CFM Diesel Powered Portable Air Compressor .....	2,069.25	
01 22 23 00-0140 MO 600 CFM Diesel Powered Portable Air Compressor .....	5,157.21	
01 22 23 00-0141 DAY 750 CFM Diesel Powered Portable Air Compressor .....	1,034.62	
01 22 23 00-0142 WK 750 CFM Diesel Powered Portable Air Compressor .....	2,546.77	
01 22 23 00-0143 MO 750 CFM Diesel Powered Portable Air Compressor .....	6,253.22	
01 22 23 00-0144 DAY 825 CFM Diesel Powered Portable Air Compressor .....	1,034.62	
01 22 23 00-0145 WK 825 CFM Diesel Powered Portable Air Compressor .....	2,546.77	
01 22 23 00-0146 MO 825 CFM Diesel Powered Portable Air Compressor .....	6,253.22	
01 22 23 00-0147 DAY 1,300 CFM Diesel Powered Portable Air Compressor .....	1,205.17	
01 22 23 00-0148 WK 1,300 CFM Diesel Powered Portable Air Compressor .....	2,701.39	
01 22 23 00-0149 MO 1,300 CFM Diesel Powered Portable Air Compressor .....	7,203.72	
01 22 23 00-0150 DAY 1,600 CFM Diesel Powered Portable Air Compressor .....	1,500.77	
01 22 23 00-0151 WK 1,600 CFM Diesel Powered Portable Air Compressor .....	3,376.74	
01 22 23 00-0152 MO 1,600 CFM Diesel Powered Portable Air Compressor .....	9,004.64	
<b>01 22 23 00-0153 Portable Negative Air Machines (01 22 23 00-0124)</b>		
Note: A Negative Air Machine is used in a sealed containment area to filter air and exhaust the filtered air through ducting to a location outside the sealed containment area. Includes delivery to job site and pick-up when complete. Excludes all filters and duct.		
01 22 23 00-0154 DAY Up To 2,000 CFM, Portable Negative Air Machine .....	81.38	
01 22 23 00-0155 WK Up To 2,000 CFM, Portable Negative Air Machine .....	334.24	
01 22 23 00-0156 MO Up To 2,000 CFM, Portable Negative Air Machine .....	1,009.97	
01 22 23 00-0157 EA First Stage Pre-Filter For Portable Negative Air Machines .....	14.23	
01 22 23 00-0158 EA Second Stage Pre-Filter For Portable Negative Air Machines .....	34.18	
01 22 23 00-0159 EA High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines .....	181.20	
01 22 23 00-0160 LF Flexible Exhaust Duct For Portable Negative Air Machines .....	1.38	
<b>01 22 23 00-0161 Portable Air Scrubbers (01 22 23 00-0124)</b>		
Note: A Portable Air Scrubber filters and recirculates the filtered air into the same space and does not use ducting to exhaust the filtered air to a different location. Includes delivery to job site and pick-up when complete. Excludes all filters.		
01 22 23 00-0162 DAY Up To 1,000 CFM, Portable Air Scrubber .....	87.16	
01 22 23 00-0163 WK Up To 1,000 CFM, Portable Air Scrubber .....	362.28	
01 22 23 00-0164 MO Up To 1,000 CFM, Portable Air Scrubber .....	1,002.85	
01 22 23 00-0165 DAY >1,000 to 2,000 CFM, Portable Air Scrubber .....	110.26	
01 22 23 00-0166 WK >1,000 to 2,000 CFM, Portable Air Scrubber .....	456.79	
01 22 23 00-0167 MO >1,000 to 2,000 CFM, Portable Air Scrubber .....	1,338.88	
01 22 23 00-0168 DAY >2,000 To 5,000 CFM, Portable Air Scrubber .....	141.76	
01 22 23 00-0169 WK >2,000 To 5,000 CFM, Portable Air Scrubber .....	603.81	
01 22 23 00-0170 MO >2,000 To 5,000 CFM, Portable Air Scrubber .....	1,690.66	
01 22 23 00-0171 EA First Stage Pre-Filter For Portable Air Scrubbers .....	20.53	
01 22 23 00-0172 EA Second Stage Pre-Filter For Portable Air Scrubbers .....	28.93	
01 22 23 00-0173 EA High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Air Scrubbers .....	307.21	
<b>01 22 23 00-0174 Compaction And Paving Equipment (01 22 23)</b>		
<b>01 22 23 00-0175 Pavers And Rollers (01 22 23 00-0174)</b>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		



<b>General Requirements</b>	<b>01</b>	<b>10</b>
Price and Payment Procedures	01 20	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 22 23 00-0176 Pavers</b> <small>(01 22 23 00-0175)</small>		
01 22 23 00-0177 DAY 10' Wide Paving Machine With Full-Time Operator .....	3,264.20	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0178 WK 10' Wide Paving Machine With Full-Time Operator .....	13,906.04	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0179 MO 10' Wide Paving Machine With Full-Time Operator .....	52,900.13	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
<b>01 22 23 00-0180 Ride-On Self-Propelled, Rubber Tire Rollers</b> <small>(01 22 23 00-0175)</small>		
01 22 23 00-0181 DAY 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	1,240.94	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0182 WK 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	5,430.88	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0183 MO 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	21,615.94	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0184 DAY 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	1,392.14	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0185 WK 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	6,555.22	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0186 MO 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	23,313.45	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0187 DAY 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator .....	1,399.01	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0188 WK 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator .....	6,108.51	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0189 MO 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator .....	23,643.33	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
<b>01 22 23 00-0190 Ride-On Self-Propelled, Padfoot Rollers</b> <small>(01 22 23 00-0175)</small>		
01 22 23 00-0191 DAY 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,302.79	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0192 WK 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	5,503.73	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0193 MO 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,399.61	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0194 DAY 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,591.44	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0195 WK 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	6,087.89	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0196 MO 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	23,876.99	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0197 DAY 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,660.17	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0198 WK 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	6,520.86	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0199 MO 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	25,086.55	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
<b>01 22 23 00-0200 Towed, Padfoot Rollers</b> <small>(01 22 23 00-0175)</small>		
01 22 23 00-0201 DAY 48" Wide, 40" Diameter, Towed Padfoot Roller .....	130.58	
01 22 23 00-0202 WK 48" Wide, 40" Diameter, Towed Padfoot Roller .....	377.99	
01 22 23 00-0203 MO 48" Wide, 40" Diameter, Towed Padfoot Roller .....	1,113.34	
01 22 23 00-0204 DAY 60" Wide, 60" Diameter, Towed Padfoot Roller .....	164.94	
01 22 23 00-0205 WK 60" Wide, 60" Diameter, Towed Padfoot Roller .....	460.46	
01 22 23 00-0206 MO 60" Wide, 60" Diameter, Towed Padfoot Roller .....	1,958.66	
<b>01 22 23 00-0207 Static Rollers</b> <small>(01 22 23 00-0175)</small>		
01 22 23 00-0208 DAY 5 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	1,337.16	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0209 WK 5 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	5,799.24	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0210 MO 5 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	23,004.19	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0211 DAY 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	1,488.35	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0212 WK 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	6,211.60	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0213 MO 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	24,145.02	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
<b>01 22 23 00-0214 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers</b> <small>(01 22 23 00-0175)</small>		
01 22 23 00-0215 DAY 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,117.24	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0216 WK 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	5,029.52	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0217 MO 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	20,461.36	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0218	DAY 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,220.33	
	<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0219	WK 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	5,338.79	
	<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0220	MO 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	21,286.06	
	<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0221	DAY 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,289.05	
	<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0222	WK 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	5,544.96	
	<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0223	MO 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	21,835.86	
	<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0224	DAY 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,378.39	
	<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0225	WK 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	5,806.12	
	<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0226	MO 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	22,516.24	
	<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0227	DAY 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,557.08	
	<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0228	WK 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	6,328.43	
	<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0229	MO 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	23,897.61	
	<i>For Equipment Without Operator, Deduct</i>	-18,399.61	

**01 22 23 00-0230 Steel Roadway Plates** (01 22 23 00-0174)

Note: 3 day minimum. Excludes delivery. See CSI section 01 71 13 00-0001 for material delivery on truck.

01 22 23 00-0231	EA Placement And Removal Of Steel Roadway Plates .....	53.01	
01 22 23 00-0232	DAY 1" x 4' x 8' Steel Plate .....	37.51	
01 22 23 00-0233	WK 1" x 4' x 8' Steel Plate .....	88.56	
01 22 23 00-0234	MO 1" x 4' x 8' Steel Plate .....	116.55	
01 22 23 00-0235	DAY 1" x 4' x 10' Steel Plate .....	50.01	
01 22 23 00-0236	WK 1" x 4' x 10' Steel Plate .....	112.53	
01 22 23 00-0237	MO 1" x 4' x 10' Steel Plate .....	137.53	
01 22 23 00-0238	DAY 1" x 5' x 10' Steel Plate .....	52.10	
01 22 23 00-0239	WK 1" x 5' x 10' Steel Plate .....	117.73	
01 22 23 00-0240	MO 1" x 5' x 10' Steel Plate .....	312.57	
01 22 23 00-0241	DAY 1" x 6' x 8' Steel Plate .....	33.34	
01 22 23 00-0242	WK 1" x 6' x 8' Steel Plate .....	75.02	
01 22 23 00-0243	MO 1" x 6' x 8' Steel Plate .....	200.04	
01 22 23 00-0244	DAY 1" x 6' x 10' Steel Plate .....	62.51	
01 22 23 00-0245	WK 1" x 6' x 10' Steel Plate .....	82.31	
01 22 23 00-0246	MO 1" x 6' x 10' Steel Plate .....	219.84	
01 22 23 00-0247	DAY 1" x 6' x 12' Steel Plate .....	87.52	
01 22 23 00-0248	WK 1" x 6' x 12' Steel Plate .....	112.00	
01 22 23 00-0249	MO 1" x 6' x 12' Steel Plate .....	303.19	
01 22 23 00-0250	DAY 1" x 8' x 10' Steel Plate .....	55.22	
01 22 23 00-0251	WK 1" x 8' x 10' Steel Plate .....	123.99	
01 22 23 00-0252	MO 1" x 8' x 10' Steel Plate .....	330.28	
01 22 23 00-0253	DAY 1" x 8' x 12' Steel Plate .....	100.02	
01 22 23 00-0254	WK 1" x 8' x 12' Steel Plate .....	123.99	
01 22 23 00-0255	MO 1" x 8' x 12' Steel Plate .....	600.13	
01 22 23 00-0256	DAY 1" x 8' x 16' Steel Plate .....	133.36	
01 22 23 00-0257	WK 1" x 8' x 16' Steel Plate .....	300.07	
01 22 23 00-0258	MO 1" x 8' x 16' Steel Plate .....	800.18	
01 22 23 00-0259	LF Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate .....	2.30	0.98
01 22 23 00-0260	EA Removal And Resetting Of Steel Roadway Plate .....	29.45	

**01 22 23 00-0261 Street Sweepers** (01 22 23 00-0174)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0262	DAY 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator .....	1,018.78	
	<i>For Equipment Without Operator, Deduct</i>	-807.07	
01 22 23 00-0263	WK 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator .....	4,874.28	
	<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
01 22 23 00-0264	MO 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator .....	20,475.41	
	<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
01 22 23 00-0265	DAY Self-Propelled Street Sweeper With Hopper And Full-Time Operator .....	1,728.48	
	Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
	<i>For Equipment Without Operator, Deduct</i>	-807.07	
01 22 23 00-0266	WK Self-Propelled Street Sweeper With Hopper And Full-Time Operator .....	7,726.07	
	Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
	<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
01 22 23 00-0267	MO Self-Propelled Street Sweeper With Hopper And Full-Time Operator .....	30,657.77	
	Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
	<i>For Equipment Without Operator, Deduct</i>	-17,486.42	

**01 22 23 00-0268 Earthmoving Equipment** (01 22 23)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**01 22 23 00-0269**

**Skid-Steer Loaders** (01 22 23 00-0269)

Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.

01 22 23 00-0270	DAY 700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator .....	1,078.50
	<i>For Equipment Without Operator, Deduct</i>	-807.07
01 22 23 00-0271	WK 700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator .....	4,747.41
	<i>For Equipment Without Operator, Deduct</i>	-4,035.33
01 22 23 00-0272	MO 700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator .....	19,201.33
	<i>For Equipment Without Operator, Deduct</i>	-17,486.42
01 22 23 00-0273	DAY 1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator .....	1,150.05
	<i>For Equipment Without Operator, Deduct</i>	-807.07
01 22 23 00-0274	WK 1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator .....	4,876.88
	<i>For Equipment Without Operator, Deduct</i>	-4,035.33
01 22 23 00-0275	MO 1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator .....	19,485.25
	<i>For Equipment Without Operator, Deduct</i>	-17,486.42
01 22 23 00-0276	DAY 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator .....	1,170.49
	<i>For Equipment Without Operator, Deduct</i>	-807.07
01 22 23 00-0277	WK 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator .....	5,063.14
	<i>For Equipment Without Operator, Deduct</i>	-4,035.33
01 22 23 00-0278	MO 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator .....	19,979.28
	<i>For Equipment Without Operator, Deduct</i>	-17,486.42
01 22 23 00-0279	DAY 2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	1,249.99
	<i>For Equipment Without Operator, Deduct</i>	-807.07
01 22 23 00-0280	WK 2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	5,324.35
	<i>For Equipment Without Operator, Deduct</i>	-4,035.33
01 22 23 00-0281	MO 2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	20,842.41
	<i>For Equipment Without Operator, Deduct</i>	-17,486.42
01 22 23 00-0282	DAY 3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	1,386.28
	<i>For Equipment Without Operator, Deduct</i>	-807.07
01 22 23 00-0283	WK 3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	5,841.09
	<i>For Equipment Without Operator, Deduct</i>	-4,035.33
01 22 23 00-0284	MO 3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	22,114.40
	<i>For Equipment Without Operator, Deduct</i>	-17,486.42
01 22 23 00-0285	DAY Hydraulic Hammer Attachment For Skid-Steer Loaders .....	227.14
01 22 23 00-0286	WK Hydraulic Hammer Attachment For Skid-Steer Loaders .....	755.24
01 22 23 00-0287	MO Hydraulic Hammer Attachment For Skid-Steer Loaders .....	2,010.19
01 22 23 00-0288	DAY Forklift Attachment For Skid-Steer Loaders .....	48.84
01 22 23 00-0289	WK Forklift Attachment For Skid-Steer Loaders .....	130.61
01 22 23 00-0290	MO Forklift Attachment For Skid-Steer Loaders .....	369.10
01 22 23 00-0291	DAY Backhoe Attachment For Skid-Steer Loaders .....	107.89
01 22 23 00-0292	WK Backhoe Attachment For Skid-Steer Loaders .....	258.94
01 22 23 00-0293	MO Backhoe Attachment For Skid-Steer Loaders .....	643.94
01 22 23 00-0294	DAY Broom Attachment For Skid-Steer Loaders .....	106.76
01 22 23 00-0295	WK Broom Attachment For Skid-Steer Loaders .....	289.60
01 22 23 00-0296	MO Broom Attachment For Skid-Steer Loaders .....	766.60
01 22 23 00-0297	DAY Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders .....	93.13
01 22 23 00-0298	WK Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders .....	256.67
01 22 23 00-0299	MO Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders .....	700.73
01 22 23 00-0300	DAY Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	25.67
01 22 23 00-0301	WK Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	67.15
01 22 23 00-0302	MO Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	197.51
01 22 23 00-0303	DAY >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	34.56
01 22 23 00-0304	WK >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	85.92
01 22 23 00-0305	MO >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	256.77
01 22 23 00-0306	DAY Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	50.36
01 22 23 00-0307	WK Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	153.08
01 22 23 00-0308	MO Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	454.28
01 22 23 00-0309	DAY 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger) .....	10.22
01 22 23 00-0310	WK 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger) .....	23.85
01 22 23 00-0311	MO 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger) .....	63.60

**01 22 23 00-0312**

**Bulldozers** (01 22 23 00-0269)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0313	DAY 70 HP, D3 Bulldozer With Full-Time Operator .....	1,274.06
	<i>For Equipment Without Operator, Deduct</i>	-849.21
01 22 23 00-0314	WK 70 HP, D3 Bulldozer With Full-Time Operator .....	5,921.40
	<i>For Equipment Without Operator, Deduct</i>	-4,246.06
01 22 23 00-0315	MO 70 HP, D3 Bulldozer With Full-Time Operator .....	23,369.53
	<i>For Equipment Without Operator, Deduct</i>	-18,399.61
01 22 23 00-0316	DAY 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator .....	1,474.46
	<i>For Equipment Without Operator, Deduct</i>	-849.21
01 22 23 00-0317	WK 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator .....	6,731.02
	<i>For Equipment Without Operator, Deduct</i>	-4,246.06
01 22 23 00-0318	MO 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator .....	25,854.49
	<i>For Equipment Without Operator, Deduct</i>	-18,399.61
01 22 23 00-0319	DAY 140 HP, D6 Bulldozer With Full-Time Operator .....	2,043.59
	<i>For Equipment Without Operator, Deduct</i>	-849.21
01 22 23 00-0320	WK 140 HP, D6 Bulldozer With Full-Time Operator .....	9,007.56
	<i>For Equipment Without Operator, Deduct</i>	-4,246.06
01 22 23 00-0321	MO 140 HP, D6 Bulldozer With Full-Time Operator .....	32,668.09
	<i>For Equipment Without Operator, Deduct</i>	-18,399.61

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0322 DAY 200 HP, D7 Bulldozer With Full-Time Operator .....	2,548.60	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0323 WK 200 HP, D7 Bulldozer With Full-Time Operator .....	11,035.61	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0324 MO 200 HP, D7 Bulldozer With Full-Time Operator .....	38,760.25	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0325 DAY 335 HP, D8 Bulldozer With Full-Time Operator .....	3,149.80	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0326 WK 335 HP, D8 Bulldozer With Full-Time Operator .....	13,440.41	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0327 MO 335 HP, D8 Bulldozer With Full-Time Operator .....	45,974.65	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0328 DAY 460 HP, D9 Bulldozer With Full-Time Operator .....	3,486.47	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0329 WK 460 HP, D9 Bulldozer With Full-Time Operator .....	14,779.08	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0330 MO 460 HP, D9 Bulldozer With Full-Time Operator .....	49,982.65	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
<b>01 22 23 00-0331 Road Graders</b> <small>(01 22 23 00-0268)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0332 DAY 60 HP Road Grader With Full-Time Operator .....	1,411.64	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0333 WK 60 HP Road Grader With Full-Time Operator .....	5,767.51	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0334 MO 60 HP Road Grader With Full-Time Operator .....	22,949.53	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0335 DAY 80 HP Road Grader With Full-Time Operator .....	1,577.49	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0336 WK 80 HP Road Grader With Full-Time Operator .....	6,228.99	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0337 MO 80 HP Road Grader With Full-Time Operator .....	24,348.40	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0338 DAY 130 HP Road Grader With Full-Time Operator .....	1,465.18	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0339 WK 130 HP Road Grader With Full-Time Operator .....	6,709.94	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0340 MO 130 HP Road Grader With Full-Time Operator .....	27,204.74	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
<b>01 22 23 00-0341 Motor Scraper</b> <small>(01 22 23 00-0268)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0342 DAY 11 CY Motor Scraper-Hauler With Full-Time Operator .....	1,842.37	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0343 WK 11 CY Motor Scraper-Hauler With Full-Time Operator .....	8,218.72	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0344 MO 11 CY Motor Scraper-Hauler With Full-Time Operator .....	30,303.99	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0345 DAY 18 CY Motor Scraper-Hauler With Full-Time Operator .....	2,243.72	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0346 WK 18 CY Motor Scraper-Hauler With Full-Time Operator .....	9,824.11	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0347 MO 18 CY Motor Scraper-Hauler With Full-Time Operator .....	35,133.76	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0348 DAY 24 CY Motor Scraper-Hauler With Full-Time Operator .....	2,631.47	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0349 WK 24 CY Motor Scraper-Hauler With Full-Time Operator .....	11,368.28	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0350 MO 24 CY Motor Scraper-Hauler With Full-Time Operator .....	39,759.46	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
<b>01 22 23 00-0351 Hydraulic Excavators</b> <small>(01 22 23 00-0268)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0352 DAY 3/8 CY Hydraulic Excavator With Full-Time Operator .....	1,210.58	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0353 WK 3/8 CY Hydraulic Excavator With Full-Time Operator .....	5,524.23	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0354 MO 3/8 CY Hydraulic Excavator With Full-Time Operator .....	22,682.49	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0355 DAY 1/2 CY Hydraulic Excavator With Full-Time Operator .....	1,312.30	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0356 WK 1/2 CY Hydraulic Excavator With Full-Time Operator .....	5,972.60	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0357 MO 1/2 CY Hydraulic Excavator With Full-Time Operator .....	24,475.95	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0358 DAY 5/8 CY Hydraulic Excavator With Full-Time Operator .....	1,344.42	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0359 WK 5/8 CY Hydraulic Excavator With Full-Time Operator .....	6,139.90	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0360 MO 5/8 CY Hydraulic Excavator With Full-Time Operator .....	24,770.39	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0361	DAY			3/4 CY Hydraulic Excavator With Full-Time Operator.....	1,377.88	
				<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0362	WK			3/4 CY Hydraulic Excavator With Full-Time Operator.....	6,293.81	
				<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0363	MO			3/4 CY Hydraulic Excavator With Full-Time Operator.....	25,064.84	
				<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0364	DAY			7/8 To 1 CY Hydraulic Excavator With Full-Time Operator.....	1,404.65	
				<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0365	WK			7/8 To 1 CY Hydraulic Excavator With Full-Time Operator.....	6,454.42	
				<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0366	MO			7/8 To 1 CY Hydraulic Excavator With Full-Time Operator.....	25,359.29	
				<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0367	DAY			1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator .....	1,766.01	
				<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0368	WK			1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator .....	7,893.20	
				<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0369	MO			1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator .....	29,341.03	
				<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0370	DAY			1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator .....	1,819.55	
				<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0371	WK			1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator .....	8,127.42	
				<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0372	MO			1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator .....	30,043.69	
				<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0373	DAY			1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator .....	1,919.93	
				<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0374	WK			1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator .....	8,528.94	
				<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0375	MO			1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator .....	31,248.25	
				<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0376	DAY			2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	2,033.69	
				<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0377	WK			2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	8,977.30	
				<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0378	MO			2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	32,586.65	
				<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0379	DAY			2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator .....	2,067.15	
				<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0380	WK			2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator .....	9,111.14	
				<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0381	MO			2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator .....	32,988.17	
				<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0382	DAY			3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	2,388.37	
				<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0383	WK			3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	10,402.70	
				<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0384	MO			3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	36,869.53	
				<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0385	DAY			4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	2,850.12	
				<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0386	WK			4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	12,236.31	
				<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0387	MO			4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	42,356.97	
				<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0388	DAY			6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	3,418.94	
				<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0389	WK			6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	14,511.59	
				<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0390	MO			6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	49,182.81	
				<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0391	DAY			Thumbs Or Grapple Attachment For Hydraulic Excavators .....	93.69	
01 22 23 00-0392	WK			Thumbs Or Grapple Attachment For Hydraulic Excavators .....	361.37	
01 22 23 00-0393	MO			Thumbs Or Grapple Attachment For Hydraulic Excavators .....	1,070.72	
01 22 23 00-0394	DAY			1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	414.90	
01 22 23 00-0395	WK			1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,097.49	
01 22 23 00-0396	MO			1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	3,071.63	
01 22 23 00-0397	DAY			1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	642.43	
01 22 23 00-0398	WK			1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,639.54	
01 22 23 00-0399	MO			1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	4,262.80	
01 22 23 00-0400	DAY			3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	896.73	
01 22 23 00-0401	WK			3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	2,415.81	
01 22 23 00-0402	MO			3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	6,772.30	
01 22 23 00-0403	DAY			24" Compaction Wheel Attachment For Hydraulic Excavators .....	187.38	
01 22 23 00-0404	WK			24" Compaction Wheel Attachment For Hydraulic Excavators .....	749.50	
01 22 23 00-0405	MO			24" Compaction Wheel Attachment For Hydraulic Excavators .....	2,248.51	
01 22 23 00-0406	DAY			36" Compaction Wheel Attachment For Hydraulic Excavators .....	267.68	
01 22 23 00-0407	WK			36" Compaction Wheel Attachment For Hydraulic Excavators .....	1,070.72	
01 22 23 00-0408	MO			36" Compaction Wheel Attachment For Hydraulic Excavators .....	3,212.16	
01 22 23 00-0409	DAY			48" Compaction Wheel Attachment For Hydraulic Excavators .....	294.45	
01 22 23 00-0410	WK			48" Compaction Wheel Attachment For Hydraulic Excavators .....	1,164.41	
01 22 23 00-0411	MO			48" Compaction Wheel Attachment For Hydraulic Excavators .....	3,479.84	

01	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 22 23 00-0412</b>	<b>Mini-Excavators</b> <small>(01 22 23 00-0268)</small>	
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0413 DAY 2,000 LB Mini-Excavator With Full-Time Operator.....	1,130.27	
For Equipment Without Operator, Deduct	-849.21	
01 22 23 00-0414 WK 2,000 LB Mini-Excavator With Full-Time Operator.....	5,042.41	
For Equipment Without Operator, Deduct	-4,246.06	
01 22 23 00-0415 MO 2,000 LB Mini-Excavator With Full-Time Operator.....	20,152.91	
For Equipment Without Operator, Deduct	-18,399.61	
01 22 23 00-0416 DAY 3,500 LB Mini-Excavator With Full-Time Operator.....	1,136.97	
For Equipment Without Operator, Deduct	-849.21	
01 22 23 00-0417 WK 3,500 LB Mini-Excavator With Full-Time Operator.....	5,062.48	
For Equipment Without Operator, Deduct	-4,246.06	
01 22 23 00-0418 MO 3,500 LB Mini-Excavator With Full-Time Operator.....	20,574.51	
For Equipment Without Operator, Deduct	-18,399.61	
01 22 23 00-0419 DAY 6,000 LB Mini-Excavator With Full-Time Operator.....	1,170.43	
For Equipment Without Operator, Deduct	-849.21	
01 22 23 00-0420 WK 6,000 LB Mini-Excavator With Full-Time Operator.....	5,156.17	
For Equipment Without Operator, Deduct	-4,246.06	
01 22 23 00-0421 MO 6,000 LB Mini-Excavator With Full-Time Operator.....	20,634.74	
For Equipment Without Operator, Deduct	-18,399.61	
01 22 23 00-0422 DAY 7,500 LB Mini-Excavator With Full-Time Operator.....	1,183.81	
For Equipment Without Operator, Deduct	-849.21	
01 22 23 00-0423 WK 7,500 LB Mini-Excavator With Full-Time Operator.....	5,203.02	
For Equipment Without Operator, Deduct	-4,246.06	
01 22 23 00-0424 MO 7,500 LB Mini-Excavator With Full-Time Operator.....	20,661.51	
For Equipment Without Operator, Deduct	-18,399.61	
01 22 23 00-0425 DAY 9,500 LB Mini-Excavator With Full-Time Operator.....	1,264.11	
For Equipment Without Operator, Deduct	-849.21	
01 22 23 00-0426 WK 9,500 LB Mini-Excavator With Full-Time Operator.....	5,269.94	
For Equipment Without Operator, Deduct	-4,246.06	
01 22 23 00-0427 MO 9,500 LB Mini-Excavator With Full-Time Operator.....	21,437.78	
For Equipment Without Operator, Deduct	-18,399.61	
01 22 23 00-0428 DAY 11,000 LB Mini-Excavator With Full-Time Operator.....	1,270.81	
For Equipment Without Operator, Deduct	-849.21	
01 22 23 00-0429 WK 11,000 LB Mini-Excavator With Full-Time Operator.....	5,604.54	
For Equipment Without Operator, Deduct	-4,246.06	
01 22 23 00-0430 MO 11,000 LB Mini-Excavator With Full-Time Operator.....	21,471.24	
For Equipment Without Operator, Deduct	-18,399.61	
<b>01 22 23 00-0431</b>	<b>Loader-Backhoes With Standard Bucket</b> <small>(01 22 23 00-0268)</small>	
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0432 DAY 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	1,230.15	
For Equipment Without Operator, Deduct	-849.21	
01 22 23 00-0433 WK 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	5,150.79	
For Equipment Without Operator, Deduct	-4,246.06	
01 22 23 00-0434 MO 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	20,528.79	
For Equipment Without Operator, Deduct	-18,399.61	
01 22 23 00-0435 DAY 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	1,270.97	
For Equipment Without Operator, Deduct	-849.21	
01 22 23 00-0436 WK 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	5,293.64	
For Equipment Without Operator, Deduct	-4,246.06	
01 22 23 00-0437 MO 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	21,399.51	
For Equipment Without Operator, Deduct	-18,399.61	
01 22 23 00-0438 DAY 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	1,333.89	
For Equipment Without Operator, Deduct	-849.21	
01 22 23 00-0439 WK 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	5,450.10	
For Equipment Without Operator, Deduct	-4,246.06	
01 22 23 00-0440 MO 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	21,848.48	
For Equipment Without Operator, Deduct	-18,399.61	
01 22 23 00-0441 DAY 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	1,614.49	
For Equipment Without Operator, Deduct	-849.21	
01 22 23 00-0442 WK 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	6,286.81	
For Equipment Without Operator, Deduct	-4,246.06	
01 22 23 00-0443 MO 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	24,242.96	
For Equipment Without Operator, Deduct	-18,399.61	
<b>01 22 23 00-0444</b>	<b>Heavy Duty Construction Loaders</b> <small>(01 22 23 00-0268)</small>	
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0445 DAY 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,305.83	
For Equipment Without Operator, Deduct	-849.21	
01 22 23 00-0446 WK 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	6,051.48	
For Equipment Without Operator, Deduct	-4,246.06	
01 22 23 00-0447 MO 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	23,808.86	
For Equipment Without Operator, Deduct	-18,399.61	
01 22 23 00-0448 DAY 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,685.19	
For Equipment Without Operator, Deduct	-849.21	
01 22 23 00-0449 WK 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	6,465.96	
For Equipment Without Operator, Deduct	-4,246.06	
01 22 23 00-0450 MO 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	24,019.61	
For Equipment Without Operator, Deduct	-18,399.61	
01 22 23 00-0451 DAY 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,769.49	
For Equipment Without Operator, Deduct	-849.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0452 WK 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator .....	6,690.76	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0453 MO 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator .....	24,581.61	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0454 DAY 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator .....	2,001.31	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0455 WK 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator .....	7,301.94	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0456 MO 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator .....	26,127.11	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0457 DAY 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator .....	2,598.43	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0458 WK 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator .....	11,228.91	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0459 MO 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator .....	39,334.11	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0460 DAY 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator .....	6,532.36	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0461 WK 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator .....	22,700.54	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0462 MO 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator .....	68,693.06	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
<b>01 22 23 00-0463 Gradall, Telescopic Hydraulic Excavators <small>(01 22 23 00-0268)</small></b>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0464 DAY Gradall, Telescopic Hydraulic Excavator With Full-Time Operator .....	2,367.73	
<i>For Equipment Without Operator, Deduct</i>	-849.21	
<i>For Track Gradall, Add</i>	182.22	
01 22 23 00-0465 WK Gradall, Telescopic Hydraulic Excavator With Full-Time Operator .....	10,313.36	
<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
<i>For Track Gradall, Add</i>	728.08	
01 22 23 00-0466 MO Gradall, Telescopic Hydraulic Excavator With Full-Time Operator .....	40,054.66	
<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
<i>For Track Gradall, Add</i>	2,598.61	
<b>01 22 23 00-0467 Shoring <small>(01 22 23 00-0268)</small></b>		
Note: Includes delivery to job site and pick-up when complete.		
<b>01 22 23 00-0468 Aluminum Hydraulic Shoring <small>(01 22 23 00-0467)</small></b>		
Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.		
01 22 23 00-0469 WK 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring .....	70.77	
Note: Up to 88" spread width.		
01 22 23 00-0470 MO 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring .....	208.74	
Note: Up to 88" spread width.		
01 22 23 00-0471 WK Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring .....	94.94	
Note: Up to 88" spread width.		
01 22 23 00-0472 MO Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring .....	280.01	
Note: Up to 88" spread width.		
01 22 23 00-0473 WK Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring .....	176.03	
Note: Up to 88" spread width.		
01 22 23 00-0474 MO Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring .....	519.30	
Note: Up to 88" spread width.		
01 22 23 00-0475 EA Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores .....	24.80	
01 22 23 00-0476 EA Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores .....	39.68	
01 22 23 00-0477 EA Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores .....	66.12	
<b>01 22 23 00-0478 Trench Boxes/Trench Shields <small>(01 22 23 00-0268)</small></b>		
Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.		
01 22 23 00-0479 WK 4' x 6' Trench Box With Up To 48" Spreaders .....	188.87	
01 22 23 00-0480 MO 4' x 6' Trench Box With Up To 48" Spreaders .....	566.60	
01 22 23 00-0481 WK 6' x 6' Trench Box With Up To 48" Spreaders .....	213.24	
01 22 23 00-0482 MO 6' x 6' Trench Box With Up To 48" Spreaders .....	639.71	
01 22 23 00-0483 WK 8' x 6' Trench Box With Up To 48" Spreaders .....	225.42	
01 22 23 00-0484 MO 8' x 6' Trench Box With Up To 48" Spreaders .....	676.27	
01 22 23 00-0485 WK 4' x 8' Trench Box With Up To 48" Spreaders .....	207.14	
01 22 23 00-0486 MO 4' x 8' Trench Box With Up To 48" Spreaders .....	621.44	
01 22 23 00-0487 WK 6' x 8' Trench Box With Up To 48" Spreaders .....	243.70	
01 22 23 00-0488 MO 6' x 8' Trench Box With Up To 48" Spreaders .....	731.10	
01 22 23 00-0489 WK 8' x 8' Trench Box With Up To 48" Spreaders .....	274.16	
01 22 23 00-0490 MO 8' x 8' Trench Box With Up To 48" Spreaders .....	822.49	
01 22 23 00-0491 WK 4' x 10' Trench Box With Up To 48" Spreaders .....	231.52	
01 22 23 00-0492 MO 4' x 10' Trench Box With Up To 48" Spreaders .....	694.54	
01 22 23 00-0493 WK 6' x 10' Trench Box With Up To 48" Spreaders .....	274.16	
01 22 23 00-0494 MO 6' x 10' Trench Box With Up To 48" Spreaders .....	822.49	
01 22 23 00-0495 WK 8' x 10' Trench Box With Up To 48" Spreaders .....	335.09	
01 22 23 00-0496 MO 8' x 10' Trench Box With Up To 48" Spreaders .....	999.17	
01 22 23 00-0497 WK 4' x 12' Trench Box With Up To 48" Spreaders .....	274.16	
01 22 23 00-0498 MO 4' x 12' Trench Box With Up To 48" Spreaders .....	822.49	
01 22 23 00-0499 WK 6' x 12' Trench Box With Up To 48" Spreaders .....	335.09	
01 22 23 00-0500 MO 6' x 12' Trench Box With Up To 48" Spreaders .....	1,005.26	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0501	WK	8' x 12' Trench Box With Up To 48" Spreaders.....	426.48	
01 22 23 00-0502	MO	8' x 12' Trench Box With Up To 48" Spreaders.....	1,279.42	
01 22 23 00-0503	WK	4' x 14' Trench Box With Up To 48" Spreaders.....	304.62	
01 22 23 00-0504	MO	4' x 14' Trench Box With Up To 48" Spreaders.....	913.88	
01 22 23 00-0505	WK	6' x 14' Trench Box With Up To 48" Spreaders.....	396.01	
01 22 23 00-0506	MO	6' x 14' Trench Box With Up To 48" Spreaders.....	1,188.04	
01 22 23 00-0507	WK	8' x 14' Trench Box With Up To 48" Spreaders.....	487.40	
01 22 23 00-0508	MO	8' x 14' Trench Box With Up To 48" Spreaders.....	1,462.20	
01 22 23 00-0509	WK	4' x 16' Trench Box With Up To 48" Spreaders.....	335.09	
01 22 23 00-0510	MO	4' x 16' Trench Box With Up To 48" Spreaders.....	1,005.26	
01 22 23 00-0511	WK	6' x 16' Trench Box With Up To 48" Spreaders.....	456.94	
01 22 23 00-0512	MO	6' x 16' Trench Box With Up To 48" Spreaders.....	1,370.81	
01 22 23 00-0513	WK	8' x 16' Trench Box With Up To 48" Spreaders.....	548.32	
01 22 23 00-0514	MO	8' x 16' Trench Box With Up To 48" Spreaders.....	1,644.98	
01 22 23 00-0515	WK	4' x 20' Trench Box With Up To 48" Spreaders.....	396.01	
01 22 23 00-0516	MO	4' x 20' Trench Box With Up To 48" Spreaders.....	1,188.04	
01 22 23 00-0517	WK	6' x 20' Trench Box With Up To 48" Spreaders.....	548.32	
01 22 23 00-0518	MO	6' x 20' Trench Box With Up To 48" Spreaders.....	1,644.98	
01 22 23 00-0519	WK	8' x 20' Trench Box With Up To 48" Spreaders.....	639.71	
01 22 23 00-0520	MO	8' x 20' Trench Box With Up To 48" Spreaders.....	1,919.14	
01 22 23 00-0521	WK	4' x 24' Trench Box With Up To 48" Spreaders.....	548.32	
01 22 23 00-0522	MO	4' x 24' Trench Box With Up To 48" Spreaders.....	1,644.98	
01 22 23 00-0523	WK	6' x 24' Trench Box With Up To 48" Spreaders.....	670.18	
01 22 23 00-0524	MO	6' x 24' Trench Box With Up To 48" Spreaders.....	2,010.52	
01 22 23 00-0525	WK	8' x 24' Trench Box With Up To 48" Spreaders.....	731.10	
01 22 23 00-0526	MO	8' x 24' Trench Box With Up To 48" Spreaders.....	2,193.30	
01 22 23 00-0527	WK	For Spreaders >48" To 84", Add.....	18.28	
01 22 23 00-0528	MO	For Spreaders >48" To 84", Add.....	54.83	
01 22 23 00-0529	WK	For Spreaders >84" To 120", Add.....	109.66	
01 22 23 00-0530	MO	For Spreaders >84" To 120", Add.....	329.00	
01 22 23 00-0531	WK	For Spreaders >120", Add.....	231.52	
01 22 23 00-0532	MO	For Spreaders >120", Add.....	694.54	
01 22 23 00-0533	WK	8' x 4' Manhole Box.....	287.87	
01 22 23 00-0534	MO	8' x 4' Manhole Box.....	863.61	
01 22 23 00-0535	WK	8' x 8' Manhole Box.....	411.24	
01 22 23 00-0536	MO	8' x 8' Manhole Box.....	1,233.73	

### 01 22 23 00-0537 Trenchers (01 22 23 00-0268)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0538	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,140.93	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
01 22 23 00-0539	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	5,172.53	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
01 22 23 00-0540	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	20,616.32	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
01 22 23 00-0541	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,704.31	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
01 22 23 00-0542	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	7,071.33	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
01 22 23 00-0543	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	25,832.82	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	

### 01 22 23 00-0544 Portable Sediment Tank (01 22 23 00-0268)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0545	WK	Portable Sediment Tank.....	186.00	
01 22 23 00-0546	MO	Portable Sediment Tank.....	545.60	

### 01 22 23 00-0547 Heavy Equipment (Ground Protection) Mats (01 22 23 00-0268)

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0268 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0548	DAY	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	37.75	
01 22 23 00-0549	WK	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	89.89	
01 22 23 00-0550	MO	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	188.77	
01 22 23 00-0551	DAY	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	39.64	
01 22 23 00-0552	WK	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	94.38	
01 22 23 00-0553	MO	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	198.21	
01 22 23 00-0554	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	32.09	
01 22 23 00-0555	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	75.51	
01 22 23 00-0556	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	160.45	
01 22 23 00-0557	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	35.87	
01 22 23 00-0558	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	84.95	
01 22 23 00-0559	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	179.33	
01 22 23 00-0560	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	39.64	
01 22 23 00-0561	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	94.38	
01 22 23 00-0562	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	198.21	
01 22 23 00-0563	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	43.42	
01 22 23 00-0564	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	103.37	
01 22 23 00-0565	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	217.09	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0566	Day	12'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	33.98	
01 22 23 00-0567	WK	12'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	94.38	
01 22 23 00-0568	MO	12'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	169.89	
01 22 23 00-0569	Day	16'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	39.64	
01 22 23 00-0570	WK	16'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	94.38	
01 22 23 00-0571	MO	16'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	198.21	
01 22 23 00-0572	Day	20'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	47.19	
01 22 23 00-0573	WK	20'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	103.82	
01 22 23 00-0574	MO	20'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	235.96	
01 22 23 00-0575	Day	24'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	50.97	
01 22 23 00-0576	WK	24'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	121.35	
01 22 23 00-0577	MO	24'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	254.84	
01 22 23 00-0578	Day	28'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	54.74	
01 22 23 00-0579	WK	28'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	130.34	
01 22 23 00-0580	MO	28'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	273.72	
01 22 23 00-0581	Day	30'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	56.63	
01 22 23 00-0582	WK	30'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	134.84	
01 22 23 00-0583	MO	30'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	283.16	
01 22 23 00-0584	Day	14'	Width x 8'	Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	18.16	
01 22 23 00-0585	WK	14'	Width x 8'	Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	45.40	
01 22 23 00-0586	MO	14'	Width x 8'	Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	136.20	
01 22 23 00-0587	Day	14'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	21.71	
01 22 23 00-0588	WK	14'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	54.27	
01 22 23 00-0589	MO	14'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	162.81	
01 22 23 00-0590	Day	16'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	24.79	
01 22 23 00-0591	WK	16'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	61.98	
01 22 23 00-0592	MO	16'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	185.94	
01 22 23 00-0593	Day	14'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	26.43	
01 22 23 00-0594	WK	14'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	66.07	
01 22 23 00-0595	MO	14'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	198.21	
01 22 23 00-0596	Day	16'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	30.20	
01 22 23 00-0597	WK	16'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	75.51	
01 22 23 00-0598	MO	16'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	226.52	
01 22 23 00-0599	Day	16'	Width x 8'	Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	34.71	
01 22 23 00-0600	WK	16'	Width x 8'	Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	86.77	
01 22 23 00-0601	MO	16'	Width x 8'	Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	260.31	
01 22 23 00-0602	Day	24'	Width x 4'	Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	26.70	
01 22 23 00-0603	WK	24'	Width x 4'	Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	66.76	
01 22 23 00-0604	MO	24'	Width x 4'	Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	200.28	
01 22 23 00-0605	Day	30'	Width x 4'	Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	36.16	
01 22 23 00-0606	WK	30'	Width x 4'	Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	90.39	
01 22 23 00-0607	MO	30'	Width x 4'	Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	271.17	
01 22 23 00-0608	Day	24'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	31.26	
01 22 23 00-0609	WK	24'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	78.15	
01 22 23 00-0610	MO	24'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	234.45	
01 22 23 00-0611	Day	40'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	52.14	
01 22 23 00-0612	WK	40'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	130.34	
01 22 23 00-0613	MO	40'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	391.02	
01 22 23 00-0614	Day	40'	Width x 4'	Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	55.57	
01 22 23 00-0615	WK	40'	Width x 4'	Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	138.93	
01 22 23 00-0616	MO	40'	Width x 4'	Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	416.80	

**01 22 23 00-0617 Electrical Equipment** (01 22 23)

**01 22 23 00-0618 Tripod Mounted Floodlights** (01 22 23 00-0617)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0619	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	66.19
01 22 23 00-0620	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	156.61
01 22 23 00-0621	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	330.97
01 22 23 00-0622	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	66.19
01 22 23 00-0623	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	193.74
01 22 23 00-0624	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	573.15
01 22 23 00-0625	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	74.27
01 22 23 00-0626	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	201.81
01 22 23 00-0627	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	492.42

**01 22 23 00-0628 Trailer Mounted Floodlights** (01 22 23 00-0617)

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0629	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	185.67
01 22 23 00-0630	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	411.70
01 22 23 00-0631	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	887.98

**01 22 23 00-0632 Generator Sets** (01 22 23 00-0617)

**01 22 23 00-0633 Portable, Gas Or Diesel Powered Generator Sets** (01 22 23 00-0632)

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0775 for reimbursable fuel fees.

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0634	DAY		3.6 KW, 8 HP Gas Powered Generator Set.....	50.15	
			<i>For LP Or NG Gas, Add</i>	6.27	
			<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	25.08	
01 22 23 00-0635	WK		3.6 KW, 8 HP Gas Powered Generator Set.....	180.76	
			<i>For LP Or NG Gas, Add</i>	22.60	
01 22 23 00-0636	MO		3.6 KW, 8 HP Gas Powered Generator Set.....	501.47	
			<i>For LP Or NG Gas, Add</i>	62.68	
01 22 23 00-0637	DAY		5 KW, 11 HP Gas Powered Generator Set.....	71.14	
			<i>For LP Or NG Gas, Add</i>	8.89	
01 22 23 00-0638	WK		5 KW, 11 HP Gas Powered Generator Set.....	227.41	
			<i>For LP Or NG Gas, Add</i>	28.43	
01 22 23 00-0639	MO		5 KW, 11 HP Gas Powered Generator Set.....	518.96	
			<i>For LP Or NG Gas, Add</i>	64.87	
01 22 23 00-0640	DAY		6.5 KW, 13 HP Gas Powered Generator Set.....	90.96	
			<i>For LP Or NG Gas, Add</i>	11.37	
01 22 23 00-0641	WK		6.5 KW, 13 HP Gas Powered Generator Set.....	244.90	
			<i>For LP Or NG Gas, Add</i>	30.61	
01 22 23 00-0642	MO		6.5 KW, 13 HP Gas Powered Generator Set.....	676.40	
			<i>For LP Or NG Gas, Add</i>	84.55	
01 22 23 00-0643	DAY		10 KW, 18 HP Gas Powered Generator Set.....	101.46	
			<i>For LP Or NG Gas, Add</i>	12.68	
01 22 23 00-0644	WK		10 KW, 18 HP Gas Powered Generator Set.....	274.06	
			<i>For LP Or NG Gas, Add</i>	34.26	
01 22 23 00-0645	MO		10 KW, 18 HP Gas Powered Generator Set.....	787.18	
			<i>For LP Or NG Gas, Add</i>	98.40	

**01 22 23 00-0646 Towable, Diesel Powered Generator Sets** (01 22 23 00-0632)

Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0775 for reimbursable fuel fees.

01 22 23 00-0647	DAY		20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	208.75	
			Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
			<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	104.38	
			<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	208.75	
01 22 23 00-0648	WK		20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	545.78	
			Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
			<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	272.89	
			<i>For &gt;80 Hours Usage Per Week, Add</i>	545.78	
01 22 23 00-0649	MO		20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,486.90	
			Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
			<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	743.45	
			<i>For &gt;320 Hours Usage Per Month, Add</i>	1,486.90	
01 22 23 00-0650	DAY		30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	316.20	
			Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
			<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	158.10	
			<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	316.20	
01 22 23 00-0651	WK		30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	938.40	
			Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
			<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	469.20	
			<i>For &gt;80 Hours Usage Per Week, Add</i>	938.40	
01 22 23 00-0652	MO		30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,938.00	
			Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
			<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	969.00	
			<i>For &gt;320 Hours Usage Per Month, Add</i>	1,938.00	
01 22 23 00-0653	DAY		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	346.80	
			Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
			<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	173.40	
			<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	346.80	
01 22 23 00-0654	WK		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	969.00	
			Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
			<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	484.50	
			<i>For &gt;80 Hours Usage Per Week, Add</i>	969.00	
01 22 23 00-0655	MO		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,142.00	
			Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
			<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	1,071.00	
			<i>For &gt;320 Hours Usage Per Month, Add</i>	2,142.00	
01 22 23 00-0656	DAY		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	372.30	
			Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
			<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	186.15	
			<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	372.30	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	01 22 23 00-0657	WK		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... 1,020.00 Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 510.00 <i>For &gt;80 Hours Usage Per Week, Add</i> 1,020.00		
	01 22 23 00-0658	MO		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... 2,448.00 Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> 1,224.00 <i>For &gt;320 Hours Usage Per Month, Add</i> 2,448.00		
	01 22 23 00-0659	DAY		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... 408.00 Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 204.00 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 408.00		
	01 22 23 00-0660	WK		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... 1,157.70 Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 578.85 <i>For &gt;80 Hours Usage Per Week, Add</i> 1,157.70		
	01 22 23 00-0661	MO		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... 2,754.00 Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> 1,377.00 <i>For &gt;320 Hours Usage Per Month, Add</i> 2,754.00		
	01 22 23 00-0662	DAY		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... 459.00 Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 229.50 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 459.00		
	01 22 23 00-0663	WK		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... 1,224.00 Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 612.00 <i>For &gt;80 Hours Usage Per Week, Add</i> 1,224.00		
	01 22 23 00-0664	MO		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... 3,060.00 Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> 1,530.00 <i>For &gt;320 Hours Usage Per Month, Add</i> 3,060.00		
	01 22 23 00-0665	DAY		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... 474.30 Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 237.15 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 474.30		
	01 22 23 00-0666	WK		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... 1,275.00 Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 637.50 <i>For &gt;80 Hours Usage Per Week, Add</i> 1,275.00		
	01 22 23 00-0667	MO		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... 3,468.00 Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> 1,734.00 <i>For &gt;320 Hours Usage Per Month, Add</i> 3,468.00		
	01 22 23 00-0668	DAY		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... 535.50 Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 267.75 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 535.50		
	01 22 23 00-0669	WK		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... 1,479.00 Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 739.50 <i>For &gt;80 Hours Usage Per Week, Add</i> 1,479.00		
	01 22 23 00-0670	MO		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... 3,978.00 Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> 1,989.00 <i>For &gt;320 Hours Usage Per Month, Add</i> 3,978.00		
	01 22 23 00-0671	DAY		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... 561.00 Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 280.50 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 561.00		
	01 22 23 00-0672	WK		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... 1,555.50 Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 777.75 <i>For &gt;80 Hours Usage Per Week, Add</i> 1,555.50		
	01 22 23 00-0673	MO		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... 4,386.00 Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> 2,193.00 <i>For &gt;320 Hours Usage Per Month, Add</i> 4,386.00		

01	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0674 DAY 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	586.50	
Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	293.25	
For >16 To 24 Hours Usage Per Day, Add	586.50	
01 22 23 00-0675 WK 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,683.00	
Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	841.50	
For >80 Hours Usage Per Week, Add	1,683.00	
01 22 23 00-0676 MO 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,590.00	
Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,295.00	
For >320 Hours Usage Per Month, Add	4,590.00	
01 22 23 00-0677 DAY 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	612.00	
Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	306.00	
For >16 To 24 Hours Usage Per Day, Add	612.00	
01 22 23 00-0678 WK 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,785.00	
Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	892.50	
For >80 Hours Usage Per Week, Add	1,785.00	
01 22 23 00-0679 MO 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,794.00	
Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,397.00	
For >320 Hours Usage Per Month, Add	4,794.00	
01 22 23 00-0680 DAY 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	612.00	
Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	306.00	
For >16 To 24 Hours Usage Per Day, Add	612.00	
01 22 23 00-0681 WK 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,785.00	
Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	892.50	
For >80 Hours Usage Per Week, Add	1,785.00	
01 22 23 00-0682 MO 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,794.00	
Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,397.00	
For >320 Hours Usage Per Month, Add	4,794.00	
01 22 23 00-0683 DAY 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	841.50	
Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	420.75	
For >16 To 24 Hours Usage Per Day, Add	841.50	
01 22 23 00-0684 WK 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,091.00	
Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,045.50	
For >80 Hours Usage Per Week, Add	2,091.00	
01 22 23 00-0685 MO 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	6,120.00	
Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	3,060.00	
For >320 Hours Usage Per Month, Add	6,120.00	
01 22 23 00-0686 DAY 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	892.50	
Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	446.25	
For >16 To 24 Hours Usage Per Day, Add	892.50	
01 22 23 00-0687 WK 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,142.00	
Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,071.00	
For >80 Hours Usage Per Week, Add	2,142.00	
01 22 23 00-0688 MO 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	6,324.00	
Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	3,162.00	
For >320 Hours Usage Per Month, Add	6,324.00	
01 22 23 00-0689 DAY 275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	943.50	
Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	471.75	
For >16 To 24 Hours Usage Per Day, Add	943.50	
01 22 23 00-0690 WK 275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,193.00	
Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,096.50	
For >80 Hours Usage Per Week, Add	2,193.00	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0691 MO 275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	6,528.00	
Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	3,264.00	
For >320 Hours Usage Per Month, Add	6,528.00	
01 22 23 00-0692 DAY 300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	974.10	
Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	487.05	
For >16 To 24 Hours Usage Per Day, Add	974.10	
01 22 23 00-0693 WK 300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,346.00	
Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,173.00	
For >80 Hours Usage Per Week, Add	2,346.00	
01 22 23 00-0694 MO 300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	6,936.00	
Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	3,468.00	
For >320 Hours Usage Per Month, Add	6,936.00	
01 22 23 00-0695 DAY 350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,020.00	
Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	510.00	
For >16 To 24 Hours Usage Per Day, Add	1,020.00	
01 22 23 00-0696 WK 350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,652.00	
Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,326.00	
For >80 Hours Usage Per Week, Add	2,652.00	
01 22 23 00-0697 MO 350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	7,650.00	
Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	3,825.00	
For >320 Hours Usage Per Month, Add	7,650.00	
01 22 23 00-0698 DAY 400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,639.87	
Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	819.94	
For >16 To 24 Hours Usage Per Day, Add	1,639.87	
01 22 23 00-0699 WK 400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,239.84	
Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	2,119.92	
For >80 Hours Usage Per Week, Add	4,239.84	
01 22 23 00-0700 MO 400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	11,212.80	
Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	5,606.40	
For >320 Hours Usage Per Month, Add	11,212.80	
01 22 23 00-0701 DAY 500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	2,102.40	
Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	1,051.20	
For >16 To 24 Hours Usage Per Day, Add	2,102.40	
01 22 23 00-0702 WK 500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	5,466.24	
Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	2,733.12	
For >80 Hours Usage Per Week, Add	5,466.24	
01 22 23 00-0703 MO 500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	12,614.40	
Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	6,307.20	
For >320 Hours Usage Per Month, Add	12,614.40	
01 22 23 00-0704 DAY 640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	2,599.97	
Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	1,299.99	
For >16 To 24 Hours Usage Per Day, Add	2,599.97	
01 22 23 00-0705 WK 640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	6,867.84	
Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	3,433.92	
For >80 Hours Usage Per Week, Add	6,867.84	
01 22 23 00-0706 MO 640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	16,819.20	
Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	8,409.60	
For >320 Hours Usage Per Month, Add	16,819.20	
01 22 23 00-0707 DAY 750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	2,810.21	
Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	1,405.11	
For >16 To 24 Hours Usage Per Day, Add	2,810.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0708 WK 750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	6,475.39	
Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	3,237.70	
For >80 Hours Usage Per Week, Add	6,475.39	
01 22 23 00-0709 MO 750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	19,426.18	
Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	9,713.09	
For >320 Hours Usage Per Month, Add	19,426.18	
01 22 23 00-0710 EA Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	843.72	
01 22 23 00-0711 EA 350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	1,381.45	
<b>01 22 23 00-0712 Generator Accessories (01 22 23 00-0632)</b>		
Note: Includes delivery to job site and pick-up when complete.		
<b>01 22 23 00-0713 Step Down Transformer (01 22 23 00-0712)</b>		
01 22 23 00-0714 WK 75 KVA, 480-208 Volt, Step Down Transformer .....	300.90	
01 22 23 00-0715 MO 75 KVA, 480-208 Volt, Step Down Transformer .....	841.50	
01 22 23 00-0716 WK 150 KVA, 480-208 Volt, Step Down Transformer.....	482.46	
01 22 23 00-0717 MO 150 KVA, 480-208 Volt, Step Down Transformer.....	1,446.36	
01 22 23 00-0718 WK 225 KVA, 480-208 Volt, Step Down Transformer.....	642.60	
01 22 23 00-0719 MO 225 KVA, 480-208 Volt, Step Down Transformer.....	1,927.80	
01 22 23 00-0720 WK 500 KVA, 480-208 Volt, Step Down Transformer.....	765.00	
01 22 23 00-0721 MO 500 KVA, 480-208 Volt, Step Down Transformer.....	2,295.00	
01 22 23 00-0722 WK 1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	1,142.40	
01 22 23 00-0723 MO 1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	3,411.90	
01 22 23 00-0724 WK 1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	1,856.40	
01 22 23 00-0725 MO 1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	5,564.10	
01 22 23 00-0726 WK 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer.....	2,142.00	
01 22 23 00-0727 MO 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer.....	6,426.00	
<b>01 22 23 00-0728 Portable Panel (01 22 23 00-0712)</b>		
01 22 23 00-0729 WK 100 Amperes, Portable Panel .....	239.70	
01 22 23 00-0730 MO 100 Amperes, Portable Panel.....	612.00	
01 22 23 00-0731 WK 200 Amperes, Portable Panel.....	286.62	
01 22 23 00-0732 MO 200 Amperes, Portable Panel.....	765.00	
01 22 23 00-0733 WK 400 Amperes, Portable Panel.....	306.00	
01 22 23 00-0734 MO 400 Amperes, Portable Panel.....	918.00	
<b>01 22 23 00-0735 Portable Fusible Disconnect (01 22 23 00-0712)</b>		
01 22 23 00-0736 WK 100 - 200 Amperes, Portable Fusible Disconnect.....	107.10	
01 22 23 00-0737 MO 100 - 200 Amperes, Portable Fusible Disconnect.....	321.30	
01 22 23 00-0738 WK 300 - 400 Amperes, Portable Fusible Disconnect.....	214.20	
01 22 23 00-0739 MO 300 - 400 Amperes, Portable Fusible Disconnect.....	642.60	
<b>01 22 23 00-0740 Portable Transfer Switch (01 22 23 00-0712)</b>		
01 22 23 00-0741 WK 100 Amperes, 480 Volt, Portable Transfer Switch .....	321.30	
01 22 23 00-0742 MO 100 Amperes, 480 Volt, Portable Transfer Switch .....	963.90	
01 22 23 00-0743 WK 200 Amperes, 480 Volt, Portable Transfer Switch.....	428.40	
01 22 23 00-0744 MO 200 Amperes, 480 Volt, Portable Transfer Switch.....	1,285.20	
01 22 23 00-0745 WK 400 Amperes, 480 Volt, Portable Transfer Switch.....	535.50	
01 22 23 00-0746 MO 400 Amperes, 480 Volt, Portable Transfer Switch.....	1,606.50	
<b>01 22 23 00-0747 Cabling For Generator Sets (01 22 23 00-0632)</b>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0748 DAY #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	22.44	
01 22 23 00-0749 WK #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	39.27	
01 22 23 00-0750 MO #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	117.81	
01 22 23 00-0751 DAY 50', 4/0 Cable With Camlock Ends For Generator Set.....	11.22	
01 22 23 00-0752 WK 50', 4/0 Cable With Camlock Ends For Generator Set.....	32.64	
01 22 23 00-0753 MO 50', 4/0 Cable With Camlock Ends For Generator Set.....	90.78	
<b>01 22 23 00-0754 Resistive Loadbanks For Generator Sets (01 22 23 00-0632)</b>		
Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0775 for reimbursable fuel fees.		
01 22 23 00-0755 DAY 100 KW A/C Resistive Loadbank.....	333.91	
01 22 23 00-0756 WK 100 KW A/C Resistive Loadbank.....	635.08	
01 22 23 00-0757 MO 100 KW A/C Resistive Loadbank.....	1,735.01	
01 22 23 00-0758 DAY 650 KW A/C Resistive Loadbank.....	703.28	
01 22 23 00-0759 WK 650 KW A/C Resistive Loadbank.....	1,880.73	
01 22 23 00-0760 MO 650 KW A/C Resistive Loadbank.....	4,795.06	
<b>01 22 23 00-0761 Sub-Distribution Panels (Spider Box) For Generator Sets (01 22 23 00-0632)</b>		
Note: Includes delivery to job site and pick-up when complete.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0762 DAY 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	55.08	
01 22 23 00-0763 WK 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	142.80	
01 22 23 00-0764 MO 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	402.90	
<b>01 22 23 00-0765 Portable Distribution Panels For Generator Sets (01 22 23 00-0632)</b>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0766 DAY 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	122.40	
01 22 23 00-0767 WK 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	331.50	
01 22 23 00-0768 MO 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	928.20	
01 22 23 00-0769 DAY 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	99.96	
01 22 23 00-0770 WK 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	260.10	
01 22 23 00-0771 MO 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	739.50	
01 22 23 00-0772 DAY 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	127.50	
01 22 23 00-0773 WK 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	321.30	
01 22 23 00-0774 MO 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	872.10	
<b>01 22 23 00-0775 Fuel Reimbursement For Generators (01 22 23 00-0632)</b>		
01 22 23 00-0776 EA Fuel Reimbursement For Generators.....	1.00	
Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.		
<b>01 22 23 00-0777 Portable Floor Drying Fans (01 22 23 00-0617)</b>		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0778 DAY 2,250 CFM Portable Floor Drying Fan.....	18.74	
01 22 23 00-0779 WK 2,250 CFM Portable Floor Drying Fan.....	86.68	
01 22 23 00-0780 MO 2,250 CFM Portable Floor Drying Fan.....	286.99	
<b>01 22 23 00-0781 Welding Machines (01 22 23 00-0617)</b>		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
<b>01 22 23 00-0782 CC/CV Inverter Welder (01 22 23 00-0781)</b>		
Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0775 for reimbursable fuel fees.		
01 22 23 00-0783 DAY 250 Amperes, CC Inverter Welder.....	42.00	
01 22 23 00-0784 WK 250 Amperes, CC Inverter Welder.....	91.50	
01 22 23 00-0785 MO 250 Amperes, CC Inverter Welder.....	277.50	
01 22 23 00-0786 DAY 300 Amperes, CC/CV Inverter Welder.....	48.00	
01 22 23 00-0787 WK 300 Amperes, CC/CV Inverter Welder.....	127.50	
01 22 23 00-0788 MO 300 Amperes, CC/CV Inverter Welder.....	337.50	
01 22 23 00-0789 DAY 350 Amperes, CC/CV Inverter Welder.....	49.50	
01 22 23 00-0790 WK 350 Amperes, CC/CV Inverter Welder.....	130.50	
01 22 23 00-0791 MO 350 Amperes, CC/CV Inverter Welder.....	367.50	
<b>01 22 23 00-0792 MIG Welder (01 22 23 00-0781)</b>		
Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0775 for reimbursable fuel fees.		
01 22 23 00-0793 DAY 115 Volt MIG Welder.....	72.00	
01 22 23 00-0794 WK 115 Volt MIG Welder.....	187.50	
01 22 23 00-0795 MO 115 Volt MIG Welder.....	510.00	
<b>01 22 23 00-0796 Diesel Powered Towable Welding Machines (01 22 23 00-0781)</b>		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0797 DAY 250 To 299 Amperes, Diesel Powered Towable Welding Machine.....	135.00	
01 22 23 00-0798 WK 250 To 299 Amperes, Diesel Powered Towable Welding Machine.....	330.00	
01 22 23 00-0799 MO 250 To 299 Amperes, Diesel Powered Towable Welding Machine.....	787.50	
01 22 23 00-0800 DAY 300 To 349 Amperes, Diesel Powered Towable Welding Machine.....	180.00	
01 22 23 00-0801 WK 300 To 349 Amperes, Diesel Powered Towable Welding Machine.....	352.50	
01 22 23 00-0802 MO 300 To 349 Amperes, Diesel Powered Towable Welding Machine.....	823.50	
01 22 23 00-0803 DAY 350 To 399 Amperes, Diesel Powered Towable Welding Machine.....	187.50	
01 22 23 00-0804 WK 350 To 399 Amperes, Diesel Powered Towable Welding Machine.....	375.00	
01 22 23 00-0805 MO 350 To 399 Amperes, Diesel Powered Towable Welding Machine.....	915.00	
<b>01 22 23 00-0806 General Equipment (01 22 23)</b>		
<b>01 22 23 00-0807 Pressure Washers (01 22 23 00-0806)</b>		
Note: Includes delivery to job site, pick-up when complete and full time operator.		
01 22 23 00-0808 DAY 2,000 PSI Pressure Washer With Full-Time Operator.....	755.87	
<i>For Equipment Without Operator, Deduct</i>		
01 22 23 00-0809 WK 2,000 PSI Pressure Washer With Full-Time Operator.....	-629.86	
<i>For Equipment Without Operator, Deduct</i>		
01 22 23 00-0810 MO 2,000 PSI Pressure Washer With Full-Time Operator.....	-3,149.32	
<i>For Equipment Without Operator, Deduct</i>		
01 22 23 00-0811 DAY 2,500 PSI Pressure Washer With Full-Time Operator.....	14,461.27	
<i>For Equipment Without Operator, Deduct</i>		
01 22 23 00-0811 DAY 2,500 PSI Pressure Washer With Full-Time Operator.....	-13,647.06	
<i>For Equipment Without Operator, Deduct</i>		
01 22 23 00-0811 DAY 2,500 PSI Pressure Washer With Full-Time Operator.....	771.14	
<i>For Equipment Without Operator, Deduct</i>		
01 22 23 00-0811 DAY 2,500 PSI Pressure Washer With Full-Time Operator.....	-629.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0812 WK 2,500 PSI Pressure Washer With Full-Time Operator .....	3,507.96	
<i>For Equipment Without Operator, Deduct</i> .....	-3,149.32	
01 22 23 00-0813 MO 2,500 PSI Pressure Washer With Full-Time Operator .....	14,559.97	
<i>For Equipment Without Operator, Deduct</i> .....	-13,647.06	
01 22 23 00-0814 DAY 3,000 PSI Pressure Washer With Full-Time Operator .....	755.87	
<i>For Equipment Without Operator, Deduct</i> .....	-629.86	
01 22 23 00-0815 WK 3,000 PSI Pressure Washer With Full-Time Operator .....	3,469.19	
<i>For Equipment Without Operator, Deduct</i> .....	-3,149.32	
01 22 23 00-0816 MO 3,000 PSI Pressure Washer With Full-Time Operator .....	14,461.27	
<i>For Equipment Without Operator, Deduct</i> .....	-13,647.06	
01 22 23 00-0817 DAY 3,500 PSI Pressure Washer With Full-Time Operator .....	782.01	
<i>For Equipment Without Operator, Deduct</i> .....	-629.86	
01 22 23 00-0818 WK 3,500 PSI Pressure Washer With Full-Time Operator .....	3,540.57	
<i>For Equipment Without Operator, Deduct</i> .....	-3,149.32	
01 22 23 00-0819 MO 3,500 PSI Pressure Washer With Full-Time Operator .....	14,646.92	
<i>For Equipment Without Operator, Deduct</i> .....	-13,647.06	
01 22 23 00-0820 DAY 4,000 PSI Pressure Washer With Full-Time Operator .....	804.33	
<i>For Equipment Without Operator, Deduct</i> .....	-629.86	
01 22 23 00-0821 WK 4,000 PSI Pressure Washer With Full-Time Operator .....	3,624.28	
<i>For Equipment Without Operator, Deduct</i> .....	-3,149.32	
01 22 23 00-0822 MO 4,000 PSI Pressure Washer With Full-Time Operator .....	14,975.00	
<i>For Equipment Without Operator, Deduct</i> .....	-13,647.06	
01 22 23 00-0823 DAY 5,000 PSI Pressure Washer With Full-Time Operator .....	847.22	
<i>For Equipment Without Operator, Deduct</i> .....	-629.86	
01 22 23 00-0824 WK 5,000 PSI Pressure Washer With Full-Time Operator .....	3,736.19	
<i>For Equipment Without Operator, Deduct</i> .....	-3,149.32	
01 22 23 00-0825 MO 5,000 PSI Pressure Washer With Full-Time Operator .....	15,299.00	
<i>For Equipment Without Operator, Deduct</i> .....	-13,647.06	
<b>01 22 23 00-0826 Jacks And Bracing</b> (01 22 23 00-0806)		
Note: Includes delivery to job site and pick-up when complete.		
<b>01 22 23 00-0827 Manual Hydraulic Jacks</b> (01 22 23 00-0826)		
01 22 23 00-0828 DAY 12 Ton Manual Hydraulic Bottle Jack .....	1.67	
01 22 23 00-0829 WK 12 Ton Manual Hydraulic Bottle Jack .....	7.93	
01 22 23 00-0830 MO 12 Ton Manual Hydraulic Bottle Jack .....	28.50	
01 22 23 00-0831 DAY 20 Ton Manual Hydraulic Bottle Jack .....	2.92	
01 22 23 00-0832 WK 20 Ton Manual Hydraulic Bottle Jack .....	9.18	
01 22 23 00-0833 MO 20 Ton Manual Hydraulic Bottle Jack .....	34.76	
01 22 23 00-0834 DAY 50 Ton Manual Hydraulic Bottle Jack .....	10.43	
01 22 23 00-0835 WK 50 Ton Manual Hydraulic Bottle Jack .....	40.49	
01 22 23 00-0836 MO 50 Ton Manual Hydraulic Bottle Jack .....	145.66	
01 22 23 00-0837 DAY 100 Ton Manual Hydraulic Bottle Jack .....	14.61	
01 22 23 00-0838 WK 100 Ton Manual Hydraulic Bottle Jack .....	58.43	
01 22 23 00-0839 MO 100 Ton Manual Hydraulic Bottle Jack .....	210.46	
<b>01 22 23 00-0840 Manual Screw Jacks</b> (01 22 23 00-0826)		
01 22 23 00-0841 DAY 10 To 20 Ton Manual Screw Jack .....	25.41	
01 22 23 00-0842 WK 10 To 20 Ton Manual Screw Jack .....	68.40	
01 22 23 00-0843 MO 10 To 20 Ton Manual Screw Jack .....	189.58	
<b>01 22 23 00-0844 Confined Space Entry Equipment</b> (01 22 23 00-0806)		
Note: Includes delivery to job site, set-up, and pick-up when complete.		
01 22 23 00-0845 DAY Ventilation Equipment For Confined Space .....	47.47	
Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0846 WK Ventilation Equipment For Confined Space .....	142.42	
Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0847 MO Ventilation Equipment For Confined Space .....	424.99	
Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0848 DAY Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly .....	59.44	
01 22 23 00-0849 WK Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly .....	178.31	
01 22 23 00-0850 MO Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly .....	534.93	
01 22 23 00-0851 DAY Confined Space Air Monitor Personnel .....	807.07	
Note: Per person day.		
<b>01 22 23 00-0852 High Volume Vacuums</b> (01 22 23 00-0806)		
Note: Includes delivery to job site, set-up, pick-up when complete and full time operator.		
01 22 23 00-0853 DAY 500 Gallon High Volume Vacuum With Full-Time Operator .....	1,334.62	
<i>For Equipment Without Operator, Deduct</i> .....	-807.07	
01 22 23 00-0854 WK 500 Gallon High Volume Vacuum With Full-Time Operator .....	5,512.47	
<i>For Equipment Without Operator, Deduct</i> .....	-4,035.33	
01 22 23 00-0855 MO 500 Gallon High Volume Vacuum With Full-Time Operator .....	22,550.90	
<i>For Equipment Without Operator, Deduct</i> .....	-17,486.42	
<b>01 22 23 00-0856 Portable Dehumidifiers</b> (01 22 23 00-0806)		
Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.		
01 22 23 00-0857 DAY 7.5 To 10 Gallons Per Day, Portable Dehumidifier .....	60.93	
01 22 23 00-0858 WK 7.5 To 10 Gallons Per Day, Portable Dehumidifier .....	199.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0859 MO 7.5 To 10 Gallons Per Day, Portable Dehumidifier .....	564.98	
01 22 23 00-0860 DAY 16 To 25 Gallons Per Day, Portable Dehumidifier .....	89.73	
01 22 23 00-0861 WK 16 To 25 Gallons Per Day, Portable Dehumidifier .....	288.03	
01 22 23 00-0862 MO 16 To 25 Gallons Per Day, Portable Dehumidifier .....	803.16	
<b>01 22 23 00-0863 Space Heaters</b> (01 22 23 00-0806)		
Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.		
01 22 23 00-0864 DAY 150,000 BTU/Hour Space Heater .....	70.52	
01 22 23 00-0865 WK 150,000 BTU/Hour Space Heater .....	202.74	
01 22 23 00-0866 MO 150,000 BTU/Hour Space Heater .....	572.98	
01 22 23 00-0867 DAY 500,000 BTU/Hour Space Heater .....	149.86	
01 22 23 00-0868 WK 500,000 BTU/Hour Space Heater .....	370.23	
01 22 23 00-0869 MO 500,000 BTU/Hour Space Heater .....	936.15	
<b>01 22 23 00-0870 Mowers</b> (01 22 23 00-0806)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0871 DAY 21" Walk Behind Lawn Mower .....	86.94	
01 22 23 00-0872 WK 21" Walk Behind Lawn Mower .....	249.96	
01 22 23 00-0873 MO 21" Walk Behind Lawn Mower .....	510.80	
01 22 23 00-0874 DAY 32" Walk Behind Lawn Mower .....	108.68	
01 22 23 00-0875 WK 32" Walk Behind Lawn Mower .....	260.83	
01 22 23 00-0876 MO 32" Walk Behind Lawn Mower .....	543.40	
01 22 23 00-0877 DAY 36" To 48" Walk Behind Deck Mower .....	195.62	
01 22 23 00-0878 WK 36" To 48" Walk Behind Deck Mower .....	543.40	
01 22 23 00-0879 MO 36" To 48" Walk Behind Deck Mower .....	1,575.86	
01 22 23 00-0880 DAY 61" To 72" Walk Behind Deck Mower .....	195.62	
01 22 23 00-0881 WK 61" To 72" Walk Behind Deck Mower .....	543.40	
01 22 23 00-0882 MO 61" To 72" Walk Behind Deck Mower .....	1,575.86	
<b>01 22 23 00-0883 Material Handling Equipment</b> (01 22 23)		
<b>01 22 23 00-0884 Truck Mounted Hydraulic Cranes</b> (01 22 23 00-0883)		
Note: Includes full-time operator, delivery, set-up, rigging, and removal time in rental period. Excludes lattice boom extension.		
01 22 23 00-0885 DAY 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	1,272.92	
<i>For Equipment Without Operator, Deduct</i>		
	-871.45	
01 22 23 00-0886 WK 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	5,573.46	
<i>For Equipment Without Operator, Deduct</i>		
	-4,357.24	
01 22 23 00-0887 MO 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	22,541.87	
<i>For Equipment Without Operator, Deduct</i>		
	-18,881.39	
01 22 23 00-0888 DAY 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	1,379.19	
<i>For Equipment Without Operator, Deduct</i>		
	-871.45	
01 22 23 00-0889 WK 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	5,889.33	
<i>For Equipment Without Operator, Deduct</i>		
	-4,357.24	
01 22 23 00-0890 MO 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	23,486.51	
<i>For Equipment Without Operator, Deduct</i>		
	-18,881.39	
01 22 23 00-0891 DAY 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	1,485.47	
<i>For Equipment Without Operator, Deduct</i>		
	-871.45	
01 22 23 00-0892 WK 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	6,205.19	
<i>For Equipment Without Operator, Deduct</i>		
	-4,357.24	
01 22 23 00-0893 MO 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	24,431.15	
<i>For Equipment Without Operator, Deduct</i>		
	-18,881.39	
01 22 23 00-0894 DAY 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	1,627.16	
<i>For Equipment Without Operator, Deduct</i>		
	-871.45	
01 22 23 00-0895 WK 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	6,063.28	
<i>For Equipment Without Operator, Deduct</i>		
	-4,357.24	
01 22 23 00-0896 MO 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	25,700.51	
<i>For Equipment Without Operator, Deduct</i>		
	-18,881.39	
01 22 23 00-0897 DAY 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	1,757.05	
<i>For Equipment Without Operator, Deduct</i>		
	-871.45	
01 22 23 00-0898 WK 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	7,509.98	
<i>For Equipment Without Operator, Deduct</i>		
	-4,357.24	
01 22 23 00-0899 MO 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	28,337.24	
<i>For Equipment Without Operator, Deduct</i>		
	-18,881.39	
01 22 23 00-0900 DAY 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	6,064.06	
<i>For Equipment Without Operator, Deduct</i>		
	-871.45	
01 22 23 00-0901 WK 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	8,608.12	
<i>For Equipment Without Operator, Deduct</i>		
	-4,357.24	
01 22 23 00-0902 MO 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	31,634.03	
<i>For Equipment Without Operator, Deduct</i>		
	-18,881.39	
01 22 23 00-0903 DAY 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	2,258.89	
<i>For Equipment Without Operator, Deduct</i>		
	-871.45	
01 22 23 00-0904 WK 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	9,292.98	
<i>For Equipment Without Operator, Deduct</i>		
	-4,357.24	
01 22 23 00-0905 MO 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	33,693.35	
<i>For Equipment Without Operator, Deduct</i>		
	-18,881.39	
01 22 23 00-0906 DAY 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	2,412.39	
<i>For Equipment Without Operator, Deduct</i>		
	-871.45	
01 22 23 00-0907 WK 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	9,847.96	
<i>For Equipment Without Operator, Deduct</i>		
	-4,357.24	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0908	MO 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	35,355.91 -18,881.39	
01 22 23 00-0909	DAY 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,565.90 -871.45	
01 22 23 00-0910	WK 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,402.94 -4,357.24	
01 22 23 00-0911	MO 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	37,018.48 -18,881.39	
01 22 23 00-0912	DAY 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,666.27 -871.45	
01 22 23 00-0913	WK 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,745.37 -4,357.24	
01 22 23 00-0914	MO 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	38,057.58 -18,881.39	
01 22 23 00-0915	DAY 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,802.06 -871.45	
01 22 23 00-0916	WK 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	11,253.11 -4,357.24	
01 22 23 00-0917	MO 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	39,569.01 -18,881.39	
01 22 23 00-0918	DAY 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	3,238.95 -871.45 -947.00	
01 22 23 00-0919	WK 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	12,643.50 -4,357.24	
01 22 23 00-0920	MO 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	43,740.18 -18,881.39	
01 22 23 00-0921	DAY 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	3,540.06 -871.45 -1,067.44	
01 22 23 00-0922	WK 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	13,697.37 -4,357.24	
01 22 23 00-0923	MO 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	46,901.77 -18,881.39	
01 22 23 00-0924	DAY 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	4,083.23 -871.45 -1,284.71	
01 22 23 00-0925	WK 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	15,598.46 -4,357.24	
01 22 23 00-0926	MO 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	52,605.04 -18,881.39	
01 22 23 00-0927	DAY 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	4,461.08 -871.45 -1,435.85	
01 22 23 00-0928	WK 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	16,920.95 -4,357.24	
01 22 23 00-0929	MO 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	56,572.53 -18,881.39	

### 01 22 23 00-0930 Cable Controlled Lattice Boom, Mechanical Cranes (01 22 23 00-0883)

Note: Includes full-time operator. Excludes delivery, set-up, and removal. See CSI section 01 71 13 00-0004 for lattice crane delivery.

01 22 23 00-0931	DAY 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,288.41 -871.45	
01 22 23 00-0932	WK 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,411.06 -4,357.24	
01 22 23 00-0933	MO 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	34,042.86 -18,881.39	
01 22 23 00-0934	DAY 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,380.65 -871.45	
01 22 23 00-0935	WK 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	11,229.50 -4,357.24	
01 22 23 00-0936	MO 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	39,498.16 -18,881.39	
01 22 23 00-0937	DAY 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,557.77 -871.45	
01 22 23 00-0938	WK 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	12,522.47 -4,357.24	
01 22 23 00-0939	MO 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	43,375.91 -18,881.39	
01 22 23 00-0940	DAY 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,912.01 -871.45	
01 22 23 00-0941	WK 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	13,815.45 -4,357.24	
01 22 23 00-0942	MO 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	47,248.93 -18,881.39	
01 22 23 00-0943	DAY 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,080.27 -871.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0944 WK 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	15,108.42	
<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0945 MO 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	51,131.40	
<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0946 DAY 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	4,248.54	
<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0947 WK 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	16,401.40	
<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0948 MO 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	55,013.87	
<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0949 DAY 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	4,803.51	
<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0950 WK 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	18,391.05	
<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0951 MO 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	60,974.55	
<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0952 DAY 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	8,216.03	
<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0953 WK 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	50,013.29	
<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0954 MO 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....	97,475.44	
<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
<b>01 22 23 00-0955 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts</b> <small>(01 22 23 00-0883)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0956 DAY 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	1,420.88	
<i>For Equipment Without Operator, Deduct</i>	-807.07	
01 22 23 00-0957 WK 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	5,537.56	
<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
01 22 23 00-0958 MO 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	20,717.02	
<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
01 22 23 00-0959 DAY 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	1,485.50	
<i>For Equipment Without Operator, Deduct</i>	-807.07	
01 22 23 00-0960 WK 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	5,682.94	
<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
01 22 23 00-0961 MO 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	21,040.08	
<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
01 22 23 00-0962 DAY 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	1,469.34	
<i>For Equipment Without Operator, Deduct</i>	-807.07	
01 22 23 00-0963 WK 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	5,755.62	
<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
01 22 23 00-0964 MO 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	21,524.67	
<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
01 22 23 00-0965 DAY 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	1,655.10	
<i>For Equipment Without Operator, Deduct</i>	-807.07	
01 22 23 00-0966 WK 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	6,240.21	
<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
01 22 23 00-0967 MO 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....	22,655.38	
<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
<b>01 22 23 00-0968 Straight Mast, Rough Terrain Construction Forklifts</b> <small>(01 22 23 00-0883)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0969 DAY 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,206.05	
<i>For Equipment Without Operator, Deduct</i>	-807.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	79.80	
01 22 23 00-0970 WK 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	5,124.85	
<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	217.90	
01 22 23 00-0971 MO 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	19,980.04	
<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	498.72	
01 22 23 00-0972 DAY 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,227.05	
<i>For Equipment Without Operator, Deduct</i>	-807.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	84.00	
01 22 23 00-0973 WK 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	5,182.19	
<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	229.37	
01 22 23 00-0974 MO 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	20,111.28	
<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	524.97	
01 22 23 00-0975 DAY 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,340.12	
<i>For Equipment Without Operator, Deduct</i>	-807.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	106.61	
01 22 23 00-0976 WK 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	5,497.18	
<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	292.37	
01 22 23 00-0977 MO 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	20,838.17	
<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	670.35	
01 22 23 00-0978 DAY 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,402.39	
<i>For Equipment Without Operator, Deduct</i>	-807.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	119.06	

<b>01</b>	<b>General Requirements</b>
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0979 WK 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	5,470.20	
For Equipment Without Operator, Deduct	-4,035.33	
For Propane Instead Of Gas Or Diesel, Add	286.97	
01 22 23 00-0980 MO 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	21,058.33	
For Equipment Without Operator, Deduct	-17,486.42	
For Propane Instead Of Gas Or Diesel, Add	714.38	
<b>01 22 23 00-0981 Straight Mast, Industrial Warehouse Forklifts</b> (01 22 23 00-0883)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0982 DAY 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,146.28	
For Equipment Without Operator, Deduct	-807.07	
For Propane Instead Of Gas Or Diesel, Add	67.84	
01 22 23 00-0983 WK 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	4,810.67	
For Equipment Without Operator, Deduct	-4,035.33	
For Propane Instead Of Gas Or Diesel, Add	155.07	
01 22 23 00-0984 MO 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	19,344.02	
For Equipment Without Operator, Deduct	-17,486.42	
For Propane Instead Of Gas Or Diesel, Add	371.52	
01 22 23 00-0985 DAY 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,154.36	
For Equipment Without Operator, Deduct	-807.07	
For Propane Instead Of Gas Or Diesel, Add	69.46	
01 22 23 00-0986 WK 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	4,834.90	
For Equipment Without Operator, Deduct	-4,035.33	
For Propane Instead Of Gas Or Diesel, Add	159.91	
01 22 23 00-0987 MO 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	19,400.55	
For Equipment Without Operator, Deduct	-17,486.42	
For Propane Instead Of Gas Or Diesel, Add	382.83	
01 22 23 00-0988 DAY 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,323.97	
For Equipment Without Operator, Deduct	-807.07	
For Propane Instead Of Gas Or Diesel, Add	103.38	
01 22 23 00-0989 WK 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	5,206.42	
For Equipment Without Operator, Deduct	-4,035.33	
For Propane Instead Of Gas Or Diesel, Add	234.22	
01 22 23 00-0990 MO 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	20,313.20	
For Equipment Without Operator, Deduct	-17,486.42	
For Propane Instead Of Gas Or Diesel, Add	565.36	
01 22 23 00-0991 DAY 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,340.12	
For Equipment Without Operator, Deduct	-807.07	
For Propane Instead Of Gas Or Diesel, Add	106.61	
01 22 23 00-0992 WK 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	5,343.72	
For Equipment Without Operator, Deduct	-4,035.33	
For Propane Instead Of Gas Or Diesel, Add	261.68	
01 22 23 00-0993 MO 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	20,797.78	
For Equipment Without Operator, Deduct	-17,486.42	
For Propane Instead Of Gas Or Diesel, Add	662.27	
01 22 23 00-0994 DAY 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,485.50	
For Equipment Without Operator, Deduct	-807.07	
For Propane Instead Of Gas Or Diesel, Add	135.69	
01 22 23 00-0995 WK 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	5,577.94	
For Equipment Without Operator, Deduct	-4,035.33	
For Propane Instead Of Gas Or Diesel, Add	308.52	
01 22 23 00-0996 MO 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	21,201.61	
For Equipment Without Operator, Deduct	-17,486.42	
For Propane Instead Of Gas Or Diesel, Add	743.04	
<b>01 22 23 00-0997 Chain Hoists</b> (01 22 23 00-0883)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0998 DAY 1 Ton, 20' Lift, Manual Chain Hoist.....	12.52	
01 22 23 00-0999 WK 1 Ton, 20' Lift, Manual Chain Hoist.....	32.55	
01 22 23 00-1000 MO 1 Ton, 20' Lift, Manual Chain Hoist.....	96.40	
01 22 23 00-1001 DAY 3 Ton, 20' Lift, Manual Chain Hoist.....	35.06	
01 22 23 00-1002 WK 3 Ton, 20' Lift, Manual Chain Hoist.....	82.63	
01 22 23 00-1003 MO 3 Ton, 20' Lift, Manual Chain Hoist.....	231.62	
01 22 23 00-1004 DAY 5 Ton, 20' Lift, Manual Chain Hoist.....	45.07	
01 22 23 00-1005 WK 5 Ton, 20' Lift, Manual Chain Hoist.....	121.44	
01 22 23 00-1006 MO 5 Ton, 20' Lift, Manual Chain Hoist.....	338.04	
01 22 23 00-1007 DAY 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	88.89	
01 22 23 00-1008 WK 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	231.62	
01 22 23 00-1009 MO 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	626.00	
01 22 23 00-1010 DAY 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	90.14	
01 22 23 00-1011 WK 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	241.01	
01 22 23 00-1012 MO 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	657.30	
01 22 23 00-1013 DAY 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	92.65	
01 22 23 00-1014 WK 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	259.79	
01 22 23 00-1015 MO 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	719.90	
<b>01 22 23 00-1016 Roof Swing Hoist</b> (01 22 23 00-0883)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1017 DAY Up To 400#, Manual Swing Roof Hoist.....	92.92	
01 22 23 00-1018 WK Up To 400#, Manual Swing Roof Hoist.....	325.20	
01 22 23 00-1019 MO Up To 400#, Manual Swing Roof Hoist.....	1,114.98	





<b>General Requirements</b>		<b>01</b>
Price and Payment Procedures		01 20
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1020	<b>Pumping Equipment</b> <small>(01 22 23)</small>
01 22 23 00-1021	<b>Gas Powered Portable Centrifugal Pumps</b> <small>(01 22 23 00-1020)</small> Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1045 for larger diameter pumps.
01 22 23 00-1022	DAY 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump ..... 67.95
01 22 23 00-1023	WK 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump ..... 152.89
01 22 23 00-1024	MO 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump ..... 407.71
01 22 23 00-1025	DAY 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump ..... 81.54
01 22 23 00-1026	WK 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump ..... 183.47
01 22 23 00-1027	MO 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump ..... 489.25
01 22 23 00-1028	<b>Gas Powered Portable Diaphragm Pumps</b> <small>(01 22 23 00-1020)</small> Note: Includes delivery, set-up, and removal. Excludes operator.
01 22 23 00-1029	DAY 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump ..... 78.14
01 22 23 00-1030	WK 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump ..... 220.84
01 22 23 00-1031	MO 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump ..... 560.60
01 22 23 00-1032	DAY 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump ..... 95.13
01 22 23 00-1033	WK 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump ..... 254.82
01 22 23 00-1034	MO 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump ..... 721.99
01 22 23 00-1035	<b>Gas Powered Portable Trash Pumps</b> <small>(01 22 23 00-1020)</small> Note: Includes delivery, set-up, and removal. Excludes operator.
01 22 23 00-1036	DAY 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump ..... 98.53
01 22 23 00-1037	WK 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump ..... 203.86
01 22 23 00-1038	MO 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump ..... 611.57
01 22 23 00-1039	DAY 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump ..... 98.53
01 22 23 00-1040	WK 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump ..... 283.31
01 22 23 00-1041	MO 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump ..... 721.99
01 22 23 00-1042	DAY 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump ..... 156.29
01 22 23 00-1043	WK 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump ..... 441.69
01 22 23 00-1044	MO 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump ..... 1,282.59
01 22 23 00-1045	<b>Diesel Powered Portable Trash Pumps</b> <small>(01 22 23 00-1020)</small> Note: Includes delivery, set-up, and removal. Excludes operator.
01 22 23 00-1046	DAY 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump ..... 305.78
01 22 23 00-1047	WK 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump ..... 832.41
01 22 23 00-1048	MO 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump ..... 3,626.94
01 22 23 00-1049	DAY 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump ..... 467.17
01 22 23 00-1050	WK 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump ..... 1,223.14
01 22 23 00-1051	MO 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump ..... 3,253.20
01 22 23 00-1052	DAY 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump ..... 635.35
01 22 23 00-1053	WK 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump ..... 1,700.50
01 22 23 00-1054	MO 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump ..... 4,549.39
01 22 23 00-1055	DAY 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump ..... 822.22
01 22 23 00-1056	WK 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump ..... 2,099.72
01 22 23 00-1057	MO 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump ..... 6,166.64
01 22 23 00-1058	<b>Diesel Powered Portable High Head Trash Pumps</b> <small>(01 22 23 00-1020)</small> Note: Includes delivery, set-up, and removal. Excludes operator.
01 22 23 00-1059	DAY 27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump ..... 407.71
01 22 23 00-1060	WK 27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump ..... 917.35
01 22 23 00-1061	MO 27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump ..... 2,446.27
01 22 23 00-1062	DAY 90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump ..... 611.57
01 22 23 00-1063	WK 90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump ..... 1,635.94
01 22 23 00-1064	MO 90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump ..... 4,586.76
01 22 23 00-1065	DAY 135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump ..... 747.47
01 22 23 00-1066	WK 135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump ..... 1,681.81
01 22 23 00-1067	MO 135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump ..... 4,484.83
01 22 23 00-1068	<b>Diesel Powered Portable Silenced Environmental Trash Pumps</b> <small>(01 22 23 00-1020)</small> Note: Includes delivery, set-up, and removal. Excludes operator.
01 22 23 00-1069	DAY 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump ..... 436.59
01 22 23 00-1070	WK 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump ..... 993.80
01 22 23 00-1071	MO 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump ..... 3,098.61
01 22 23 00-1072	DAY 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump ..... 535.12
01 22 23 00-1073	WK 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump ..... 1,333.56
01 22 23 00-1074	MO 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump ..... 3,626.94
01 22 23 00-1075	DAY 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump ..... 645.54
01 22 23 00-1076	WK 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump ..... 1,909.45
01 22 23 00-1077	MO 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump ..... 5,325.74



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1078	DAY		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	971.71	
01 22 23 00-1079	WK		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,481.95	
01 22 23 00-1080	MO		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	7,287.85	
<b>01 22 23 00-1081</b>			<b>3 Phase Electric Submersible Pumps</b> (01 22 23 00-1020) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1082	DAY		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	169.88	
01 22 23 00-1083	WK		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	424.70	
01 22 23 00-1084	MO		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,274.10	
01 22 23 00-1085	DAY		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	224.24	
01 22 23 00-1086	WK		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	560.60	
01 22 23 00-1087	MO		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,681.81	
<b>01 22 23 00-1088</b>			<b>Suction Hose With Couplings</b> (01 22 23 00-1020) Note: Includes delivery, set-up, and removal.		
01 22 23 00-1089	DAY		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	6.48	
01 22 23 00-1090	WK		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	16.20	
01 22 23 00-1091	MO		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	49.68	
01 22 23 00-1092	DAY		3" Inside Diameter, 20' Length, Suction Hose With Couplings	17.28	
01 22 23 00-1093	WK		3" Inside Diameter, 20' Length, Suction Hose With Couplings	44.28	
01 22 23 00-1094	MO		3" Inside Diameter, 20' Length, Suction Hose With Couplings	135.00	
01 22 23 00-1095	DAY		4" Inside Diameter, 20' Length, Suction Hose With Couplings	25.92	
01 22 23 00-1096	WK		4" Inside Diameter, 20' Length, Suction Hose With Couplings	65.88	
01 22 23 00-1097	MO		4" Inside Diameter, 20' Length, Suction Hose With Couplings	199.80	
01 22 23 00-1098	DAY		6" Inside Diameter, 20' Length, Suction Hose With Couplings	32.40	
01 22 23 00-1099	WK		6" Inside Diameter, 20' Length, Suction Hose With Couplings	81.00	
01 22 23 00-1100	MO		6" Inside Diameter, 20' Length, Suction Hose With Couplings	237.60	
01 22 23 00-1101	DAY		10" Inside Diameter, 20' Length, Suction Hose With Couplings	75.60	
01 22 23 00-1102	WK		10" Inside Diameter, 20' Length, Suction Hose With Couplings	194.40	
01 22 23 00-1103	MO		10" Inside Diameter, 20' Length, Suction Hose With Couplings	572.40	
01 22 23 00-1104	DAY		12" Inside Diameter, 20' Length, Suction Hose With Couplings	101.52	
01 22 23 00-1105	WK		12" Inside Diameter, 20' Length, Suction Hose With Couplings	221.40	
01 22 23 00-1106	MO		12" Inside Diameter, 20' Length, Suction Hose With Couplings	664.20	
<b>01 22 23 00-1107</b>			<b>Discharge Hose With Couplings</b> (01 22 23 00-1020) Note: Includes delivery, set-up, and removal.		
01 22 23 00-1108	DAY		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.48	
01 22 23 00-1109	WK		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	16.20	
01 22 23 00-1110	MO		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	49.68	
01 22 23 00-1111	DAY		2" Inside Diameter, 50' Length, Discharge Hose With Couplings	7.56	
01 22 23 00-1112	WK		2" Inside Diameter, 50' Length, Discharge Hose With Couplings	18.36	
01 22 23 00-1113	MO		2" Inside Diameter, 50' Length, Discharge Hose With Couplings	57.24	
01 22 23 00-1114	DAY		3" Inside Diameter, 50' Length, Discharge Hose With Couplings	8.64	
01 22 23 00-1115	WK		3" Inside Diameter, 50' Length, Discharge Hose With Couplings	21.60	
01 22 23 00-1116	MO		3" Inside Diameter, 50' Length, Discharge Hose With Couplings	65.88	
01 22 23 00-1117	DAY		4" Inside Diameter, 50' Length, Discharge Hose With Couplings	22.68	
01 22 23 00-1118	WK		4" Inside Diameter, 50' Length, Discharge Hose With Couplings	58.32	
01 22 23 00-1119	MO		4" Inside Diameter, 50' Length, Discharge Hose With Couplings	167.40	
01 22 23 00-1120	DAY		6" Inside Diameter, 50' Length, Discharge Hose With Couplings	28.08	
01 22 23 00-1121	WK		6" Inside Diameter, 50' Length, Discharge Hose With Couplings	76.68	
01 22 23 00-1122	MO		6" Inside Diameter, 50' Length, Discharge Hose With Couplings	210.60	
01 22 23 00-1123	DAY		10" Inside Diameter, 10' Length, Discharge Hose With Couplings	21.60	
01 22 23 00-1124	WK		10" Inside Diameter, 10' Length, Discharge Hose With Couplings	54.00	
01 22 23 00-1125	MO		10" Inside Diameter, 10' Length, Discharge Hose With Couplings	162.00	
01 22 23 00-1126	DAY		12" Inside Diameter, 10' Length, Discharge Hose With Couplings	55.08	
01 22 23 00-1127	WK		12" Inside Diameter, 10' Length, Discharge Hose With Couplings	140.40	
01 22 23 00-1128	MO		12" Inside Diameter, 10' Length, Discharge Hose With Couplings	415.80	
<b>01 22 23 00-1129</b>			<b>Hydraulic Submersible Pumps</b> (01 22 23 00-1020) Note: Includes delivery, set-up, and removal. Excludes operator.		
<b>01 22 23 00-1130</b>			<b>Hydraulic Submersible Pumps</b> (01 22 23 00-1129) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1131	DAY		60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	112.12	
01 22 23 00-1132	WK		60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	300.69	
01 22 23 00-1133	MO		60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	840.91	
01 22 23 00-1134	DAY		132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	142.70	
01 22 23 00-1135	WK		132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	366.94	
01 22 23 00-1136	MO		132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,121.21	
<b>01 22 23 00-1137</b>			<b>Hydraulic Submersible Pump Diesel Power Packs</b> (01 22 23 00-1129) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1138	DAY		100 HP, Hydraulic Submersible Pump Diesel Power Pack	259.07	
01 22 23 00-1139	WK		100 HP, Hydraulic Submersible Pump Diesel Power Pack	772.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1140 MO 100 HP, Hydraulic Submersible Pump Diesel Power Pack.....2,038.56

**01 22 23 00-1141 HDPE Pipe With Couplings** (01 22 23 00-1020)

Note: Includes delivery, set-up, and removal.

01 22 23 00-1142	DAY	4"	x 20' HDPE Pipe With Couplings.....	14.75	
01 22 23 00-1143	WK	4"	x 20' HDPE Pipe With Couplings.....	35.40	
01 22 23 00-1144	MO	4"	x 20' HDPE Pipe With Couplings.....	109.15	
01 22 23 00-1145	DAY	6"	x 20' HDPE Pipe With Couplings.....	23.60	
01 22 23 00-1146	WK	6"	x 20' HDPE Pipe With Couplings.....	59.00	
01 22 23 00-1147	MO	6"	x 20' HDPE Pipe With Couplings.....	179.95	
01 22 23 00-1148	DAY	8"	x 20' HDPE Pipe With Couplings.....	38.35	
01 22 23 00-1149	WK	8"	x 20' HDPE Pipe With Couplings.....	100.30	
01 22 23 00-1150	MO	8"	x 20' HDPE Pipe With Couplings.....	297.95	
01 22 23 00-1151	DAY	10"	x 20' HDPE Pipe With Couplings.....	47.20	
01 22 23 00-1152	WK	10"	x 20' HDPE Pipe With Couplings.....	120.95	
01 22 23 00-1153	MO	10"	x 20' HDPE Pipe With Couplings.....	368.75	
01 22 23 00-1154	DAY	12"	x 10' HDPE Pipe With Couplings.....	35.40	
01 22 23 00-1155	WK	12"	x 10' HDPE Pipe With Couplings.....	97.35	
01 22 23 00-1156	MO	12"	x 10' HDPE Pipe With Couplings.....	295.00	
01 22 23 00-1157	DAY	4"	Elbow For HDPE Pipe, Quick Connect.....	35.40	
01 22 23 00-1158	WK	4"	Elbow For HDPE Pipe, Quick Connect.....	91.45	
01 22 23 00-1159	MO	4"	Elbow For HDPE Pipe, Quick Connect.....	271.40	
01 22 23 00-1160	DAY	6"	Elbow For HDPE Pipe, Quick Connect.....	41.30	
01 22 23 00-1161	WK	6"	Elbow For HDPE Pipe, Quick Connect.....	106.20	
01 22 23 00-1162	MO	6"	Elbow For HDPE Pipe, Quick Connect.....	324.50	
01 22 23 00-1163	DAY	8"	Elbow For HDPE Pipe, Quick Connect.....	47.20	
01 22 23 00-1164	WK	8"	Elbow For HDPE Pipe, Quick Connect.....	120.95	
01 22 23 00-1165	MO	8"	Elbow For HDPE Pipe, Quick Connect.....	368.75	
01 22 23 00-1166	DAY	10"	Elbow For HDPE Pipe, Quick Connect.....	59.00	
01 22 23 00-1167	WK	10"	Elbow For HDPE Pipe, Quick Connect.....	150.45	
01 22 23 00-1168	MO	10"	Elbow For HDPE Pipe, Quick Connect.....	457.25	
01 22 23 00-1169	DAY	12"	Elbow For HDPE Pipe, Quick Connect.....	59.00	
01 22 23 00-1170	WK	12"	Elbow For HDPE Pipe, Quick Connect.....	150.45	
01 22 23 00-1171	MO	12"	Elbow For HDPE Pipe, Quick Connect.....	457.25	
01 22 23 00-1172	DAY	4"	Tee For HDPE Pipe, Quick Connect.....	35.40	
01 22 23 00-1173	WK	4"	Tee For HDPE Pipe, Quick Connect.....	91.45	
01 22 23 00-1174	MO	4"	Tee For HDPE Pipe, Quick Connect.....	271.40	
01 22 23 00-1175	DAY	6"	Tee For HDPE Pipe, Quick Connect.....	47.20	
01 22 23 00-1176	WK	6"	Tee For HDPE Pipe, Quick Connect.....	120.95	
01 22 23 00-1177	MO	6"	Tee For HDPE Pipe, Quick Connect.....	368.75	
01 22 23 00-1178	DAY	8"	Tee For HDPE Pipe, Quick Connect.....	59.00	
01 22 23 00-1179	WK	8"	Tee For HDPE Pipe, Quick Connect.....	150.45	
01 22 23 00-1180	MO	8"	Tee For HDPE Pipe, Quick Connect.....	457.25	
01 22 23 00-1181	DAY	10"	Tee For HDPE Pipe, Quick Connect.....	70.80	
01 22 23 00-1182	WK	10"	Tee For HDPE Pipe, Quick Connect.....	179.95	
01 22 23 00-1183	MO	10"	Tee For HDPE Pipe, Quick Connect.....	545.75	
01 22 23 00-1184	DAY	12"	Tee For HDPE Pipe, Quick Connect.....	70.80	
01 22 23 00-1185	WK	12"	Tee For HDPE Pipe, Quick Connect.....	179.95	
01 22 23 00-1186	MO	12"	Tee For HDPE Pipe, Quick Connect.....	545.75	
01 22 23 00-1187	DAY	4"	Cap For HDPE Pipe, Quick Connect.....	5.90	
01 22 23 00-1188	WK	4"	Cap For HDPE Pipe, Quick Connect.....	17.70	
01 22 23 00-1189	MO	4"	Cap For HDPE Pipe, Quick Connect.....	53.10	
01 22 23 00-1190	DAY	6"	Cap For HDPE Pipe, Quick Connect.....	5.90	
01 22 23 00-1191	WK	6"	Cap For HDPE Pipe, Quick Connect.....	17.70	
01 22 23 00-1192	MO	6"	Cap For HDPE Pipe, Quick Connect.....	53.10	
01 22 23 00-1193	DAY	8"	Cap For HDPE Pipe, Quick Connect.....	5.90	
01 22 23 00-1194	WK	8"	Cap For HDPE Pipe, Quick Connect.....	17.70	
01 22 23 00-1195	MO	8"	Cap For HDPE Pipe, Quick Connect.....	53.10	
01 22 23 00-1196	DAY	10"	Cap For HDPE Pipe, Quick Connect.....	5.90	
01 22 23 00-1197	WK	10"	Cap For HDPE Pipe, Quick Connect.....	17.70	
01 22 23 00-1198	MO	10"	Cap For HDPE Pipe, Quick Connect.....	53.10	
01 22 23 00-1199	DAY	12"	Cap For HDPE Pipe, Quick Connect.....	5.90	
01 22 23 00-1200	WK	12"	Cap For HDPE Pipe, Quick Connect.....	17.70	
01 22 23 00-1201	MO	12"	Cap For HDPE Pipe, Quick Connect.....	53.10	
01 22 23 00-1202	DAY	4"	Wye For HDPE Pipe, Quick Connect.....	17.70	
01 22 23 00-1203	WK	4"	Wye For HDPE Pipe, Quick Connect.....	44.25	
01 22 23 00-1204	MO	4"	Wye For HDPE Pipe, Quick Connect.....	135.70	
01 22 23 00-1205	DAY	6"	Wye For HDPE Pipe, Quick Connect.....	20.65	
01 22 23 00-1206	WK	6"	Wye For HDPE Pipe, Quick Connect.....	53.10	
01 22 23 00-1207	MO	6"	Wye For HDPE Pipe, Quick Connect.....	162.25	
01 22 23 00-1208	DAY	8"	Wye For HDPE Pipe, Quick Connect.....	35.40	
01 22 23 00-1209	WK	8"	Wye For HDPE Pipe, Quick Connect.....	91.45	
01 22 23 00-1210	MO	8"	Wye For HDPE Pipe, Quick Connect.....	271.40	
01 22 23 00-1211	DAY	10"	Wye For HDPE Pipe, Quick Connect.....	53.10	
01 22 23 00-1212	WK	10"	Wye For HDPE Pipe, Quick Connect.....	135.70	
01 22 23 00-1213	MO	10"	Wye For HDPE Pipe, Quick Connect.....	413.00	
01 22 23 00-1214	DAY	12"	Wye For HDPE Pipe, Quick Connect.....	53.10	
01 22 23 00-1215	WK	12"	Wye For HDPE Pipe, Quick Connect.....	135.70	
01 22 23 00-1216	MO	12"	Wye For HDPE Pipe, Quick Connect.....	413.00	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 22 23 00-1217</b>	<b>Temporary Building Services</b> <small>(01 22 23)</small>	
<b>01 22 23 00-1218</b>	<b>Boilers</b> <small>(01 22 23 00-1217)</small> Note: Excludes operator, delivery, set-up, and removal.	
<b>01 22 23 00-1219</b>	<b>Electric Boilers</b> <small>(01 22 23 00-1218)</small>	
01 22 23 00-1220	MO 40 MBH, 12 KW Electric Boiler Rental .....	2,596.85
01 22 23 00-1221	MO 60 MBH, 20 KW Electric Boiler Rental .....	2,832.97
01 22 23 00-1222	MO 95 MBH, 30 KW Electric Boiler Rental .....	2,951.03
01 22 23 00-1223	MO 135 MBH, 40 KW Electric Boiler Rental .....	3,305.09
01 22 23 00-1224	MO 165 MBH, 50 KW Electric Boiler Rental .....	4,603.51
01 22 23 00-1225	MO 215 MBH, 60 KW Electric Boiler Rental .....	5,311.77
01 22 23 00-1226	MO 365 MBH, 100 KW Electric Boiler Rental .....	6,964.37
01 22 23 00-1227	MO 510 MBH, 150 KW Electric Boiler Rental .....	8,498.90
<b>01 22 23 00-1228</b>	<b>Oil/Gas Fired Boilers</b> <small>(01 22 23 00-1218)</small>	
01 22 23 00-1229	MO Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental.....	2,288.00
	<i>For &gt;3 Months Rental, Deduct</i>	-343.20
01 22 23 00-1230	MO >100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental .....	2,974.40
	<i>For &gt;3 Months Rental, Deduct</i>	-446.16
01 22 23 00-1231	MO >250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental .....	4,804.80
	<i>For &gt;3 Months Rental, Deduct</i>	-720.72
01 22 23 00-1232	MO >500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental .....	6,635.20
	<i>For &gt;3 Months Rental, Deduct</i>	-995.28
<b>01 22 23 00-1233</b>	<b>Oil Fired Boilers</b> <small>(01 22 23 00-1218)</small>	
01 22 23 00-1234	MO 250 HP Oil Fired Boiler Rental .....	7,293.28
01 22 23 00-1235	MO 350 HP Oil Fired Boiler Rental .....	9,724.38
01 22 23 00-1236	MO 500 HP Oil Fired Boiler Rental .....	12,155.47
01 22 23 00-1237	MO 600 HP Oil Fired Boiler Rental .....	13,371.02
<b>01 22 23 00-1238</b>	<b>Boilers Setup</b> <small>(01 22 23 00-1218)</small>	
01 22 23 00-1239	EA Setup Rental Boiler .....	7,197.30
	Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	
<b>01 22 23 00-1240</b>	<b>Chillers</b> <small>(01 22 23 00-1217)</small> Note: Excludes operator, delivery, set-up, and removal.	
<b>01 22 23 00-1241</b>	<b>Air Cooled Chillers</b> <small>(01 22 23 00-1240)</small>	
01 22 23 00-1242	MO 25 Ton Air Cooled Chiller Rental .....	2,302.74
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-345.41
	<i>For &gt;6 Month Rental, Deduct</i>	-575.69
01 22 23 00-1243	MO 40 Ton Air Cooled Chiller Rental .....	3,684.39
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-552.66
	<i>For &gt;6 Month Rental, Deduct</i>	-921.10
01 22 23 00-1244	MO 60 Ton Air Cooled Chiller Rental .....	4,506.42
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-675.96
	<i>For &gt;6 Month Rental, Deduct</i>	-1,126.61
01 22 23 00-1245	MO 80 Ton Air Cooled Chiller Rental .....	5,328.46
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-799.27
	<i>For &gt;6 Month Rental, Deduct</i>	-1,332.12
01 22 23 00-1246	MO 100 Ton Air Cooled Chiller Rental .....	6,150.49
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-922.57
	<i>For &gt;6 Month Rental, Deduct</i>	-1,537.62
01 22 23 00-1247	MO 125 Ton Air Cooled Chiller Rental .....	7,125.46
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-1,068.82
	<i>For &gt;6 Month Rental, Deduct</i>	-1,781.37
01 22 23 00-1248	MO 155 Ton Air Cooled Chiller Rental .....	8,620.06
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-1,293.01
	<i>For &gt;6 Month Rental, Deduct</i>	-2,155.02
01 22 23 00-1249	MO 170 Ton Air Cooled Chiller Rental .....	9,217.91
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-1,382.69
	<i>For &gt;6 Month Rental, Deduct</i>	-2,304.48
01 22 23 00-1250	MO 200 Ton Air Cooled Chiller Rental .....	10,589.13
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-1,588.37
	<i>For &gt;6 Month Rental, Deduct</i>	-2,647.28
01 22 23 00-1251	MO 250 Ton Air Cooled Chiller Rental .....	12,599.90
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-1,889.99
	<i>For &gt;6 Month Rental, Deduct</i>	-3,149.98
01 22 23 00-1252	MO 300 Ton Air Cooled Chiller Rental .....	14,702.78
	Note: Includes trailer.	
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-2,205.42
	<i>For &gt;6 Month Rental, Deduct</i>	-3,675.70
01 22 23 00-1253	MO 400 Ton Air Cooled Chiller Rental .....	19,395.16
	Note: Includes trailer, pump and 200' of 6" hose.	
	<i>For &gt;3 To 6 Month Rental, Deduct</i>	-2,909.27
	<i>For &gt;6 Month Rental, Deduct</i>	-4,848.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1254 MO 500 Ton Air Cooled Chiller Rental ..... Note: Includes trailer, pump and 200' of 6" hose. For >3 To 6 Month Rental, Deduct For >6 Month Rental, Deduct	24,007.59 -3,601.14 -6,001.90	
01 22 23 00-1255 EA Setup Air Cooled Chiller Rental Unit..... Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	5,003.00	
<b>01 22 23 00-1256 Chiller Rental Accessories</b> (01 22 23 00-1240)		
01 22 23 00-1257 MO 4" x 25' Flexible Water Hose For Chiller Rental .....	41.03	
01 22 23 00-1258 MO 6" x 25' Flexible Water Hose For Chiller Rental .....	51.29	
<b>01 22 23 00-1259 Cooling Tower</b> (01 22 23 00-1217) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1260 MO 100 Ton Cooling Tower Rental .....	2,113.15	
For >3 To 6 Months Rental, Deduct	-316.97	
For >6 Months Rental, Deduct	-528.29	
01 22 23 00-1261 MO 200 Ton Cooling Tower Rental .....	3,846.75	
For >3 To 6 Months Rental, Deduct	-577.01	
For >6 Months Rental, Deduct	-961.69	
01 22 23 00-1262 MO 250 Ton Cooling Tower Rental .....	4,356.26	
For >3 To 6 Months Rental, Deduct	-653.44	
For >6 Months Rental, Deduct	-1,089.07	
01 22 23 00-1263 MO 300 Ton Cooling Tower Rental .....	4,923.84	
For >3 To 6 Months Rental, Deduct	-738.58	
For >6 Months Rental, Deduct	-1,230.96	
01 22 23 00-1264 MO 400 Ton Cooling Tower Rental .....	6,154.80	
For >3 To 6 Months Rental, Deduct	-923.22	
For >6 Months Rental, Deduct	-1,538.70	
01 22 23 00-1265 MO 500 Ton Cooling Tower Rental .....	7,196.02	
For >3 To 6 Months Rental, Deduct	-1,079.40	
For >6 Months Rental, Deduct	-1,799.01	
01 22 23 00-1266 MO Setup Rental Cooling Tower..... Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	5,003.00	
<b>01 22 23 00-1267 Emergency Cooler/Freezer</b> (01 22 23 00-1217) Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.		
01 22 23 00-1268 DAY 8 x 6 x 7 Emergency Cooler Rental .....	79.51	
01 22 23 00-1269 WK 8 x 6 x 7 Emergency Cooler Rental .....	424.04	
01 22 23 00-1270 DAY 10 x 7 x 7 Emergency Cooler Rental .....	159.02	
01 22 23 00-1271 WK 10 x 7 x 7 Emergency Cooler Rental .....	636.06	
01 22 23 00-1272 MO 10 x 7 x 7 Emergency Cooler Rental .....	1,590.15	
01 22 23 00-1273 DAY 10 x 7 x 7 Emergency Freezer Rental .....	185.52	
01 22 23 00-1274 WK 10 x 7 x 7 Emergency Freezer Rental .....	742.07	
01 22 23 00-1275 MO 10 x 7 x 7 Emergency Freezer Rental .....	1,908.18	
01 22 23 00-1276 DAY 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental .....	212.02	
01 22 23 00-1277 WK 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental .....	848.08	
01 22 23 00-1278 MO 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental .....	2,120.20	
<b>01 22 23 00-1279 Portable Spot Cooling Units</b> (01 22 23 00-1217) Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes operator.		
01 22 23 00-1280 DAY 1 Ton Portable Spot Cooling Unit .....	163.02	
01 22 23 00-1281 WK 1 Ton Portable Spot Cooling Unit .....	353.21	
01 22 23 00-1282 MO 1 Ton Portable Spot Cooling Unit .....	834.96	
01 22 23 00-1283 DAY 1.5 Ton Portable Spot Cooling Unit .....	213.18	
01 22 23 00-1284 WK 1.5 Ton Portable Spot Cooling Unit .....	437.86	
01 22 23 00-1285 MO 1.5 Ton Portable Spot Cooling Unit .....	1,027.24	
01 22 23 00-1286 DAY 2 Ton Portable Spot Cooling Unit .....	287.38	
01 22 23 00-1287 WK 2 Ton Portable Spot Cooling Unit .....	600.88	
01 22 23 00-1288 MO 2 Ton Portable Spot Cooling Unit .....	1,112.92	
01 22 23 00-1289 DAY 3 Ton Portable Spot Cooling Unit .....	300.96	
01 22 23 00-1290 WK 3 Ton Portable Spot Cooling Unit .....	637.45	
01 22 23 00-1291 MO 3 Ton Portable Spot Cooling Unit .....	1,408.66	
01 22 23 00-1292 DAY 5 Ton Portable Spot Cooling Unit .....	470.25	
01 22 23 00-1293 WK 5 Ton Portable Spot Cooling Unit .....	950.95	
01 22 23 00-1294 MO 5 Ton Portable Spot Cooling Unit .....	1,976.10	
01 22 23 00-1295 DAY 10 To 12 Ton Portable Spot Cooling Unit .....	614.46	
01 22 23 00-1296 WK 10 To 12 Ton Portable Spot Cooling Unit .....	1,384.62	
01 22 23 00-1297 MO 10 To 12 Ton Portable Spot Cooling Unit .....	3,341.91	
01 22 23 00-1298 DAY 20 Ton Portable Spot Cooling Unit .....	705.38	
01 22 23 00-1299 WK 20 Ton Portable Spot Cooling Unit .....	1,619.75	
01 22 23 00-1300 MO 20 Ton Portable Spot Cooling Unit .....	4,514.40	
01 22 23 00-1301 DAY 25 Ton Portable Spot Cooling Unit .....	1,003.20	
01 22 23 00-1302 WK 25 Ton Portable Spot Cooling Unit .....	2,032.52	
01 22 23 00-1303 MO 25 Ton Portable Spot Cooling Unit .....	4,728.62	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-1304	<b>Fuel Oil Tank</b> <small>(01 22 23 00-1217)</small>	
	Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes Off-road fuel costs. See CSI section 01 22 23 00-0775 for reimbursable fuel fees.	
01 22 23 00-1305	MO 100 Gallon Portable Double Wall Fuel Oil Tank Rental .....	400.46
01 22 23 00-1306	MO 275 Gallon Portable Double Wall Fuel Oil Tank Rental .....	622.94
01 22 23 00-1307	MO 500 Gallon Portable Double Wall Fuel Oil Tank Rental .....	1,557.36
01 22 23 00-1308	MO 1,000 Gallon Portable Double Wall Fuel Oil Tank Rental .....	2,595.60
01 22 23 00-1309	MO 2,300 Gallon Portable Double Wall Fuel Oil Tank Rental .....	3,426.19
01 22 23 00-1310	MO 5,000 Gallon Portable Double Wall Fuel Oil Tank Rental .....	6,120.67
01 22 23 00-1311	<b>Truck And Trailer Equipment</b> <small>(01 22 23)</small>	
01 22 23 00-1312	<b>Trucks</b> <small>(01 22 23 00-1311)</small>	
	Note: Includes driver, delivery, and removal.	
01 22 23 00-1313	<b>Flat Bed Trucks</b> <small>(01 22 23 00-1312)</small>	
	Note: Includes hydraulic tilt bed.	
01 22 23 00-1314	DAY 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	928.15
	<i>For Equipment Without Operator, Deduct</i> .....	-677.68
01 22 23 00-1315	WK 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	4,045.05
	<i>For Equipment Without Operator, Deduct</i> .....	-3,388.41
01 22 23 00-1316	MO 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	16,341.65
	<i>For Equipment Without Operator, Deduct</i> .....	-14,683.12
01 22 23 00-1317	DAY 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	1,036.46
	<i>For Equipment Without Operator, Deduct</i> .....	-677.68
01 22 23 00-1318	WK 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	4,322.60
	<i>For Equipment Without Operator, Deduct</i> .....	-3,388.41
01 22 23 00-1319	MO 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	17,052.44
	<i>For Equipment Without Operator, Deduct</i> .....	-14,683.12
01 22 23 00-1320	DAY 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	1,114.18
	<i>For Equipment Without Operator, Deduct</i> .....	-677.68
01 22 23 00-1321	WK 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	4,619.65
	<i>For Equipment Without Operator, Deduct</i> .....	-3,388.41
01 22 23 00-1322	MO 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	18,182.95
	<i>For Equipment Without Operator, Deduct</i> .....	-14,683.12
01 22 23 00-1323	<b>Boom Trucks</b> <small>(01 22 23 00-1312)</small>	
01 22 23 00-1324	DAY 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver .....	1,144.10
	<i>For Equipment Without Operator, Deduct</i> .....	-677.68
	<i>For High Rail Equipment, Add</i> .....	163.25
01 22 23 00-1325	WK 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver .....	4,602.86
	<i>For Equipment Without Operator, Deduct</i> .....	-3,388.41
	<i>For High Rail Equipment, Add</i> .....	425.06
01 22 23 00-1326	MO 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver .....	17,763.24
	<i>For Equipment Without Operator, Deduct</i> .....	-14,683.12
	<i>For High Rail Equipment, Add</i> .....	1,078.04
01 22 23 00-1327	<b>Light Off-Road Utility Passenger Vehicles</b> <small>(01 22 23 00-1312)</small>	
01 22 23 00-1328	DAY 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle .....	278.50
01 22 23 00-1329	WK 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle .....	644.02
01 22 23 00-1330	MO 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle .....	1,392.48
01 22 23 00-1331	DAY 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle .....	287.20
01 22 23 00-1332	WK 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle .....	670.13
01 22 23 00-1333	MO 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle .....	1,479.51
01 22 23 00-1334	<b>Light Duty Trucks</b> <small>(01 22 23 00-1312)</small>	
01 22 23 00-1335	DAY 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver .....	894.94
	<i>For Equipment Without Operator, Deduct</i> .....	-670.83
01 22 23 00-1336	WK 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver .....	4,089.52
	<i>For Equipment Without Operator, Deduct</i> .....	-3,354.15
01 22 23 00-1337	MO 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver .....	16,075.41
	<i>For Equipment Without Operator, Deduct</i> .....	-14,534.64
01 22 23 00-1338	DAY 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver .....	936.96
	<i>For Equipment Without Operator, Deduct</i> .....	-670.83
01 22 23 00-1339	WK 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver .....	4,215.58
	<i>For Equipment Without Operator, Deduct</i> .....	-3,354.15
01 22 23 00-1340	MO 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver .....	16,355.55
	<i>For Equipment Without Operator, Deduct</i> .....	-14,534.64
01 22 23 00-1341	<b>Rear Dump Trucks</b> <small>(01 22 23 00-1312)</small>	
01 22 23 00-1342	DAY 2.5 CY Rear Dump Truck With Full-Time Truck Driver .....	1,026.76
	<i>For Equipment Without Operator, Deduct</i> .....	-677.68
01 22 23 00-1343	WK 2.5 CY Rear Dump Truck With Full-Time Truck Driver .....	4,310.45
	<i>For Equipment Without Operator, Deduct</i> .....	-3,388.41
01 22 23 00-1344	MO 2.5 CY Rear Dump Truck With Full-Time Truck Driver .....	17,506.15
	<i>For Equipment Without Operator, Deduct</i> .....	-14,683.12
01 22 23 00-1345	DAY 4 CY Rear Dump Truck With Full-Time Truck Driver .....	1,142.49
	<i>For Equipment Without Operator, Deduct</i> .....	-677.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1346 WK 4 CY Rear Dump Truck With Full-Time Truck Driver .....	4,669.02	
<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-1347 MO 4 CY Rear Dump Truck With Full-Time Truck Driver .....	18,003.22	
<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
01 22 23 00-1348 DAY 6 CY Rear Dump Truck With Full-Time Truck Driver .....	1,208.90	
<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-1349 WK 6 CY Rear Dump Truck With Full-Time Truck Driver .....	4,811.31	
<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-1350 MO 6 CY Rear Dump Truck With Full-Time Truck Driver .....	18,098.08	
<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
01 22 23 00-1351 DAY 13 CY Rear Dump Truck With Full-Time Truck Driver .....	1,996.23	
<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-1352 WK 13 CY Rear Dump Truck With Full-Time Truck Driver .....	6,433.42	
<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-1353 MO 13 CY Rear Dump Truck With Full-Time Truck Driver .....	22,651.36	
<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
01 22 23 00-1354 DAY 18 CY Rear Dump Truck With Full-Time Truck Driver .....	2,128.09	
<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-1355 WK 18 CY Rear Dump Truck With Full-Time Truck Driver .....	6,737.92	
<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-1356 MO 18 CY Rear Dump Truck With Full-Time Truck Driver .....	23,448.18	
<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
<b>01 22 23 00-1357 Vacuum Trucks</b> <small>(01 22 23 00-1312)</small>		
01 22 23 00-1358 DAY 5,000 Gallon Vacuum Truck With Full-Time Truck Driver .....	1,986.75	
<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-1359 WK 5,000 Gallon Vacuum Truck With Full-Time Truck Driver .....	7,330.79	
<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-1360 MO 5,000 Gallon Vacuum Truck With Full-Time Truck Driver .....	26,316.75	
<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
<b>01 22 23 00-1361 Water Trucks</b> <small>(01 22 23 00-1312)</small>		
<small>Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1107 for additional discharge hose, 01 22 23 00-1380 for water trailer.</small>		
01 22 23 00-1362 DAY 2,000 Gallon Water Truck With Full-Time Driver .....	1,250.12	
<i>For Equipment Without Operator, Deduct</i>	-677.68	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	13.44	
01 22 23 00-1363 WK 2,000 Gallon Water Truck With Full-Time Driver .....	4,895.85	
<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	13.44	
01 22 23 00-1364 MO 2,000 Gallon Water Truck With Full-Time Driver .....	18,245.00	
<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	13.44	
01 22 23 00-1365 DAY 3,700 To 4,000 Gallon Water Truck With Full-Time Driver .....	1,529.99	
<i>For Equipment Without Operator, Deduct</i>	-677.68	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	13.44	
01 22 23 00-1366 WK 3,700 To 4,000 Gallon Water Truck With Full-Time Driver .....	5,735.43	
<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	13.44	
01 22 23 00-1367 MO 3,700 To 4,000 Gallon Water Truck With Full-Time Driver .....	20,407.57	
<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	13.44	
<b>01 22 23 00-1368 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board</b> <small>(01 22 23 00-1312)</small>		
01 22 23 00-1369 DAY Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver .....	1,382.37	
<i>For Equipment Without Operator, Deduct</i>	-670.83	
01 22 23 00-1370 WK Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver .....	5,454.09	
<i>For Equipment Without Operator, Deduct</i>	-3,354.15	
01 22 23 00-1371 MO Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver .....	19,634.27	
<i>For Equipment Without Operator, Deduct</i>	-14,534.64	
<b>01 22 23 00-1372 Combination Jet/Vacuum Trucks</b> <small>(01 22 23 00-1312)</small>		
01 22 23 00-1373 DAY 500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver .....	2,963.94	
<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-1374 WK 500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver .....	14,090.85	
<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-1375 DAY 1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver .....	3,362.88	
<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-1376 WK 1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver .....	16,411.63	
<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-1377 DAY 2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver .....	3,746.48	
<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-1378 WK 2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver .....	18,732.41	
<i>For Equipment Without Operator, Deduct</i>	-3,388.41	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 22 23 00-1379 Trailers</b> <small>(01 22 23 00-1311)</small> Note: Includes delivery to job site and pick-up when complete.		
<b>01 22 23 00-1380 Water Trailers With Pump</b> <small>(01 22 23 00-1379)</small>		
01 22 23 00-1381 DAY 500 To 600 Gallon Water Trailer With Pump .....	146.29	
01 22 23 00-1382 WK 500 To 600 Gallon Water Trailer With Pump .....	375.27	
01 22 23 00-1383 MO 500 To 600 Gallon Water Trailer With Pump .....	1,004.96	
<b>01 22 23 00-1384 Trailer Mounted Equipment</b> <small>(01 22 23 00-1311)</small>		
<b>01 22 23 00-1385 Trailer Mounted Under-Bridge Aerial Access Platform</b> <small>(01 22 23 00-1384)</small> Note: Includes full-time operator. Excludes truck.		
01 22 23 00-1386 DAY Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator .....	2,665.43	
For Equipment Without Operator, Deduct .....	-677.68	
01 22 23 00-1387 WK Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator .....	9,351.65	
For Equipment Without Operator, Deduct .....	-3,388.41	
01 22 23 00-1388 MO Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator .....	31,247.67	
For Equipment Without Operator, Deduct .....	-14,683.12	
01 22 23 00-1389 DAY Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator .....	2,864.20	
For Equipment Without Operator, Deduct .....	-677.68	
01 22 23 00-1390 WK Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator .....	9,947.97	
For Equipment Without Operator, Deduct .....	-3,388.41	
01 22 23 00-1391 MO Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator .....	32,904.12	
For Equipment Without Operator, Deduct .....	-14,683.12	
<b>01 22 23 00-1392 Trailer Mounted Bridge Stripping Buggy</b> <small>(01 22 23 00-1384)</small>		
01 22 23 00-1393 DAY Trailer Mounted Bridge Overhang Stripping Buggy.....	225.56	
01 22 23 00-1394 WK Trailer Mounted Bridge Overhang Stripping Buggy.....	676.70	
01 22 23 00-1395 MO Trailer Mounted Bridge Overhang Stripping Buggy.....	1,879.64	
<b>01 22 23 00-1396 Portable Trailer Mounted, CCTV Camera Systems</b> <small>(01 22 23 00-1384)</small> Note: Includes trailer. Excludes truck.		
01 22 23 00-1397 MO Portable Trailer Mounted, Single Camera, CCTV Camera System.....	2,610.90	
01 22 23 00-1398 MO Portable Trailer Mounted, Multi-Camera/Loud Speaker, CCTV Camera System.....	4,525.56	

**01 30 Administrative Requirements** (01)

**01 31 Project Management and Coordination** (01 30)

**01 31 33 Project Minimum Labor Costs** (01 31)

**01 31 33 00-0001 Minimum Charge** (01 31 33)

Note: Use item exclusively for projects when the sum of line items is less than the minimum charge per occurrence. Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.

01 31 33 00-0002 EA Carpenter Minimum Charge .....	986.63
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0003 EA Carpet, Linoleum Minimum Charge .....	632.73
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0004 EA Cement Mason Minimum Charge .....	734.46
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0005 EA Drywall Finisher Minimum Charge .....	890.67
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0006 EA Drywall Installer Minimum Charge .....	967.27
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0007 EA Electrician Minimum Charge .....	978.35
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0008 EA Glazier Minimum Charge .....	807.64
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0009 EA Insulator Minimum Charge .....	873.46
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0010 EA Laborer Minimum Charge .....	654.86
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0011 EA Landscape Maintenance Worker Minimum Charge .....	779.86
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0012 EA Ornamental Metal Worker Minimum Charge.....	953.76
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	





<b>General Requirements</b>	<b>01</b>	<b>10</b>
<b>Administrative Requirements</b>	<b>01 30</b>	
<b>Project Management and Coordination</b>	<b>01 31</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 31 33 00-0013 EA Painter, Ordinary Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	653.87	
01 31 33 00-0014 EA Plasterer Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	890.69	
01 31 33 00-0015 EA Plumber Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,037.05	
01 31 33 00-0016 EA Roofer, Tile/Slate Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	927.44	
01 31 33 00-0017 EA Roofer, Composite Built-Up Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	927.44	
01 31 33 00-0018 EA Sheet Metal Worker Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,236.98	
01 31 33 00-0019 EA Sprinkler Installer Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	885.87	
01 31 33 00-0020 EA Tile Layer (Floor) Minimum Charge ..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	846.32	

**01 35 Special Procedures** (01 30)

**01 35 29 Health, Safety, and Emergency Response Procedures** (01 35)

See CSI section 02 90 00 00-0000 for disaster recovery task.

**01 35 29 00-0001 Emergency Response** (01 35 29)

See CSI section 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0039 for container usage.

01 35 29 00-0002 MI Trucking Delivery Of 20' Shipping Container .....	2.43
01 35 29 00-0003 MI Trucking Delivery Of 40' Shipping Container .....	4.85

**01 35 33 Infection Control Procedures** (01 35)

See CSI section 02 87 19 00-0000 for Bio-Hazard And Infectious Disease Control Remediation.

**01 40 Quality Requirements** (01)

**01 45 Quality Control** (01 40)

**01 45 23 Testing and Inspecting Services** (01 45)

Note: For application to existing materials/site conditions only. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.

**01 45 23 00-0001 Soils/Aggregate Testing** (01 45 23)

**01 45 23 00-0002 Field Soils Tests** (01 45 23 00-0001)

01 45 23 00-0003 EA Plasticity Index Soils Test, ASTM D-4318, Field Soils Test .....	318.06
01 45 23 00-0004 EA 4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test .....	451.44
01 45 23 00-0005 EA 6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test .....	513.00
01 45 23 00-0006 EA Resistance (R) Value Soils Test, CA 301, Field Soils Test .....	410.40
01 45 23 00-0007 EA Soils Classification Test, ASTM D-2487, Field Soils Test .....	615.60
01 45 23 00-0008 SET Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test .....	1,230.81
01 45 23 00-0009 EA Moisture Content, Field Soils Test .....	46.16
01 45 23 00-0010 EA UBC Or Swell Test, Field Soils Test .....	161.69
01 45 23 00-0011 EA Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test .....	307.70
01 45 23 00-0012 EA Proctor Compaction 6" Standard Mold, Field Soils Test .....	384.63
01 45 23 00-0013 EA Density And Classification Test, Field Soils Test .....	123.08
01 45 23 00-0014 EA Percolation Test, Field Soils Test .....	307.70
01 45 23 00-0015 EA Infiltration Test, Field Soils Test .....	615.41

**01 45 23 00-0016 Aggregate Testing** (01 45 23 00-0001)

01 45 23 00-0017 EA Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202 .....	102.60
01 45 23 00-0018 EA Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202 .....	184.68
01 45 23 00-0019 EA Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202 .....	256.50
01 45 23 00-0020 EA Sieve Analysis, Pit Run, ASTM C136 .....	200.01
Note: Includes wash.	
01 45 23 00-0021 EA Specific Special Gravity, Course, ASTM C127 .....	163.02
Note: Includes absorption test.	
01 45 23 00-0022 EA Special Gravity, Fine, ASTM C127 .....	146.16
Note: Includes absorption test.	
01 45 23 00-0023 EA Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128 .....	217.36
01 45 23 00-0024 EA Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128 .....	205.20
01 45 23 00-0025 EA Aggregate Cleanness Value, ASTM C-128, CA 227 .....	205.20
01 45 23 00-0026 EA Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217 .....	153.90
01 45 23 00-0027 EA Fine Aggregate Durability Index, CA 229 .....	164.16
01 45 23 00-0028 EA Sodium And Magnesium Soundness, ASTM C88 .....	430.79
01 45 23 00-0029 EA Los Angeles Rattler, ASTM C-131, CA 211 .....	328.32

**01 General Requirements****01 40 Quality Requirements****01 45 Quality Control**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0030 EA Los Angeles Rattler, ASTM C-535 .....	328.32	
01 45 23 00-0031 EA Unit Weight Of Aggregates, ASTM C29 .....	92.34	
01 45 23 00-0032 EA Organic Impurities In Sand, ASTM C40 .....	92.31	
01 45 23 00-0033 EA Crushed Particle, ASTM California Test Method .....	92.31	
01 45 23 00-0034 EA Clay Lump And Friable Particles, ASTM C142 .....	184.62	
<b>01 45 23 00-0035 Permeability Tests (01 45 23 00-0001)</b>		
<b>01 45 23 00-0036 In-Place Tests (01 45 23 00-0035)</b>		
01 45 23 00-0037 EA Double Ring Infiltrometer Test, ASTM D3385 .....	1,630.20	
01 45 23 00-0038 EA Unconfined Compressive Strength (Pocket Penetrometer) Test .....	76.93	
<b>01 45 23 00-0039 Lab Tests (01 45 23 00-0035)</b>		
01 45 23 00-0040 EA Falling Head Rigid Wall Consolidometer Technique CAE .....	760.76	
01 45 23 00-0041 EA Falling Head Permeability Test EPA-9100 .....	760.76	
01 45 23 00-0042 EA Constant Head Permeability Test For Granular Soils, ASTM D2432 .....	434.72	
<b>01 45 23 00-0043 Concrete/Cement/Asphalt Testing (01 45 23)</b>		
<b>01 45 23 00-0044 Concrete Testing (01 45 23 00-0043)</b>		
01 45 23 00-0045 EA Prepare 6 x 12 Concrete Cylinder And Deliver To Lab .....	23.12	
01 45 23 00-0046 EA 6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633 .....	65.21	
01 45 23 00-0047 EA Concrete Cores Compression Test, ASTM C-42 .....	133.38	
01 45 23 00-0048 EA 6 x 6 x 18 Concrete Flexural Test, ASTM C-78 .....	194.94	
01 45 23 00-0049 EA Unit Weight Of Concrete Cylinder, ASTM C-567 .....	71.82	
01 45 23 00-0050 EA Concrete Mix Design Review .....	389.88	
01 45 23 00-0051 EA Trial Concrete Batch Prepared In Laboratory .....	923.40	
01 45 23 00-0052 EA Concrete Shrinkage, ASTM C-157 Modified .....	718.20	
01 45 23 00-0053 EA 6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496 .....	110.81	
01 45 23 00-0054 EA Concrete Slump Test, ASTM C143 .....	51.30	
01 45 23 00-0055 EA Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231 .....	51.30	
<b>01 45 23 00-0056 Cement Testing (01 45 23 00-0043)</b>		
01 45 23 00-0057 EA Cement Grab Sample (CCR Title 24) .....	51.30	
Note: Includes sealing and storing 1 year.		
01 45 23 00-0058 EA 2" x 2" x 2" Cube Compression Test, All Type Materials .....	82.08	
<b>01 45 23 00-0059 Asphaltic Concrete Testing (01 45 23 00-0043)</b>		
01 45 23 00-0060 EA Hveem Asphaltic Concrete Stability Test, CA 366 .....	102.60	
01 45 23 00-0061 EA Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927 .....	266.76	
01 45 23 00-0062 EA Stability Tests, Premixed, ASTM D1559 .....	102.60	
01 45 23 00-0063 EA Stability Tests, Lab. Mixed, ASTM D1559 .....	266.76	
01 45 23 00-0064 EA Swell Test, CA 305 .....	123.12	
Note: Includes compaction.		
01 45 23 00-0065 EA % Asphalt Extraction Test, ASTM D-2172 B .....	307.80	
01 45 23 00-0066 EA Maximum Theoretical Unit Weight, ASTM C2041 .....	195.62	
01 45 23 00-0067 EA Unit Weight Sample Requiring Compaction, California Test Method 308 .....	41.04	
01 45 23 00-0068 EA Asphalt Unit Weight On Core Test, CA 308C .....	41.04	
01 45 23 00-0069 HR Nuclear Field Density Testing, 4 Hour Minimum .....	211.36	
01 45 23 00-0070 EA Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664 .....	138.47	
01 45 23 00-0071 EA Penetration, ASTM D5 .....	148.22	
<b>01 45 23 00-0072 Masonry/Concrete Block/Tile Testing (01 45 23)</b>		
<b>01 45 23 00-0073 Masonry Testing (01 45 23 00-0072)</b>		
01 45 23 00-0074 EA 2" x 4" Cylinder Mortar Compression Test .....	67.72	
01 45 23 00-0075 EA 4" x 4" x 8" Grout Prisms Compression Test .....	67.72	
01 45 23 00-0076 EA Masonry Cores Compression Test .....	133.38	
01 45 23 00-0077 EA Composite Grouted Prism Compression Test .....	256.50	
<b>01 45 23 00-0078 Concrete Block Testing (ASTM C140 Or CMA Per Specimen) (01 45 23 00-0072)</b>		
01 45 23 00-0079 EA Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140 .....	164.16	
01 45 23 00-0080 EA Absorption Test, Moisture Content And Unit Weight .....	112.86	
01 45 23 00-0081 EA First Unit, Moisture Condition By Relative Humidity, ASTM C427 .....	430.79	
01 45 23 00-0082 EA Moisture Condition By Relative Humidity, ASTM C427, Additional Unit .....	215.39	
<b>01 45 23 00-0083 Metals Testing (01 45 23)</b>		
<b>01 45 23 00-0084 Tank Line Tightness Testing (01 45 23 00-0083)</b>		
01 45 23 00-0085 EA Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing .....	402.94	
01 45 23 00-0086 EA >12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing .....	447.43	
01 45 23 00-0087 EA >29,999 Gallons, Tank Line Volumetric Tightness Testing .....	491.75	



<b>General Requirements</b>	<b>01</b>	<b>10</b>
Quality Requirements	01 40	
Quality Control	01 45	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 45 23 00-0088	<b>Other Testing</b> <small>(01 45 23)</small>	
01 45 23 00-0089	<b>Special Testing</b> <small>(01 45 23 00-0088)</small>	
01 45 23 00-0090	EA Asphalt Roofing Cut-out Samples, To Determine Unit Weight.....	159.06
01 45 23 00-0091	EA Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617 .....	954.35
01 45 23 00-0092	EA Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria).....	47.95
01 45 23 00-0093	EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample.....	198.90
01 45 23 00-0094	EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample .....	198.90
01 45 23 00-0095	EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample.....	198.90
01 45 23 00-0096	EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample .....	1,093.95
01 45 23 00-0097	EA Testing And Certification Of Backflow Valves.....	493.61

01 45 23 00-0098	<b>Nondestructive Field Testing Services</b> <small>(01 45 23 00-0088)</small>	
01 45 23 00-0099	<b>Infrared Thermography</b> <small>(01 45 23 00-0098)</small> Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.	

01 45 23 00-0100	<b>Roof Investigation And Moisture Survey Using Infrared Thermography</b> <small>(01 45 23 00-0099)</small> Note: For on the roof surveys.	
01 45 23 00-0101	EA Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge.....	3,580.20
01 45 23 00-0102	CSF Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography .....	5.97
	<i>For CADD Drawings, Add</i>	1.19
01 45 23 00-0103	CSF >10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	3.98
	<i>For CADD Drawings, Add</i>	0.80
01 45 23 00-0104	CSF >50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	2.98
	<i>For CADD Drawings, Add</i>	0.60
	<i>For Elevated Infrared Thermography Roof Investigation, Add</i>	0.75
	<i>For Aerial Infrared Thermography Roof Investigation, Add</i>	0.75
01 45 23 00-0105	CSF >250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	1.99
	<i>For CADD Drawings, Add</i>	0.40
	<i>For Elevated Infrared Thermography Roof Investigation, Add</i>	0.50
	<i>For Aerial Infrared Thermography Roof Investigation, Add</i>	0.50

01 45 23 00-0106	<b>Building Moisture Investigation Using Infrared Thermography</b> <small>(01 45 23 00-0099)</small> Note: For finding moisture in walls and windows.	
01 45 23 00-0107	EA Building Moisture Investigation Using Infrared Thermography, Mobilization Charge .....	1,889.55
01 45 23 00-0108	CSF Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography .....	5.97
	<i>For Digital Or Analog Recording Of All Items, Add</i>	2.99
01 45 23 00-0109	CSF >1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography .....	3.98
	<i>For Digital Or Analog Recording Of All Items, Add</i>	1.99
01 45 23 00-0110	CSF >5,000 SF, Building Moisture Investigation Using Infrared Thermography.....	1.99
	<i>For Digital Or Analog Recording Of All Items, Add</i>	1.00

01 45 23 00-0111	<b>General Building Investigation Using Infrared Thermography</b> <small>(01 45 23 00-0099)</small> Note: For finding missing or misplaced insulation, air leakage and delamination.	
01 45 23 00-0112	EA General Building Investigation Using Infrared Thermography, Mobilization Charge .....	3,878.55
01 45 23 00-0113	CSF Up To 1,000 SF, General Building Investigation Using Infrared Thermography .....	5.97
	<i>For Digital Or Analog Recording Of All Items, Add</i>	2.99
01 45 23 00-0114	CSF >1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography.....	3.98
	<i>For Digital Or Analog Recording Of All Items, Add</i>	1.99
01 45 23 00-0115	CSF >5,000 SF, General Building Investigation Using Infrared Thermography .....	1.99
	<i>For Digital Or Analog Recording Of All Items, Add</i>	1.00

01 45 23 00-0116	<b>Electrical /Mechanical Equipment Scanning Using Infrared Thermography</b> <small>(01 45 23 00-0099)</small> Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.	
01 45 23 00-0117	EA Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge .....	1,889.55
01 45 23 00-0118	HR Electrical /Mechanical Equipment Scanning Using Infrared Thermography .....	185.68
	<i>For Digital Or Analog Recording Of All Items, Add</i>	27.78

01 45 23 00-0119	<b>Concrete Block Wall Investigation Using Infrared Thermography</b> <small>(01 45 23 00-0099)</small> Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.	
01 45 23 00-0120	EA Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge .....	1,889.55
01 45 23 00-0121	CSF Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography.....	5.97
	<i>For Digital Or Analog Recording Of All Items, Add</i>	0.90
01 45 23 00-0122	CSF >50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography .....	3.98
	<i>For Digital Or Analog Recording Of All Items, Add</i>	0.60

01 45 23 00-0123	<b>Other Nondestructive Field Testing Services</b> <small>(01 45 23 00-0098)</small>	
01 45 23 00-0124	HR ASNT Certified Level I NDT Consultant.....	74.72

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 40</b>	<b>Quality Requirements</b>
	<b>01 45</b>	<b>Quality Control</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 45 23 00-0125	HR	ASNT Certified Level II NDT Consultant .....	93.22
01 45 23 00-0126	HR	ASNT Certified Level III NDT Consultant .....	107.05
01 45 23 00-0127	HR	Certified Industrial Radiography Radiation Safety Personnel .....	112.02

**01 45 23 00-0128 Testing Professional Services** (01 45 23 00-0088)

01 45 23 00-0129	HR	Concrete, Steel, Masonry, Expansion Anchor And Soils Inspection .....	190.84
01 45 23 00-0130	HR	Laboratory Technician .....	184.68
01 45 23 00-0131	HR	Portable Digital Reinforcement Scanner .....	266.76
01 45 23 00-0132	HR	Subsurface Detection Radar System .....	451.44
01 45 23 00-0133	HR	Pavement Rehabilitation Analysis Using Deflectors.....	513.00

**01 45 29 Testing Laboratory Services** (01 45)

**01 45 29 00-0001 Soil Borings Laboratory Tests** (01 45 29)

01 45 29 00-0002	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test.....	141.28
01 45 29 00-0003	EA	Shrinkage Limit, Soil Borings Laboratory Test .....	45.08
01 45 29 00-0004	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test.....	108.68
01 45 29 00-0005	EA	Consolidation, Soil Borings Laboratory Test .....	760.76
01 45 29 00-0006	EA	Swell Test, Soil Borings Laboratory Test .....	150.24
01 45 29 00-0007	EA	In Place Density, Soil Borings Laboratory Test .....	32.60
01 45 29 00-0008	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test .....	20.25
01 45 29 00-0009	EA	Hydrometer Analysis, Soil Borings Laboratory Test.....	261.51
01 45 29 00-0010	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test .....	91.17
01 45 29 00-0011	EA	Partial Sieve Analysis, Soil Borings Laboratory Test .....	18.03
01 45 29 00-0012	EA	Laboratory Permeability, Soil Borings Laboratory Test .....	901.51
01 45 29 00-0013	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test.....	182.34
01 45 29 00-0014	EA	Sulfate Soundness, Soil Borings Laboratory Test.....	225.38
01 45 29 00-0015	EA	Los Angeles Abrasion, Soil Borings Laboratory Test.....	525.51
01 45 29 00-0016	EA	Soil Bearing Ratio, ASTM D1883.....	461.70
01 45 29 00-0017	EA	Compaction Test Subgrade, Soil Borings Laboratory Test .....	135.23
01 45 29 00-0018	EA	Compaction Test Base Course, Soil Borings Laboratory Test.....	114.41
01 45 29 00-0019	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test .....	444.66
01 45 29 00-0020	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test.....	69.12

**01 50 Temporary Facilities and Controls** (01)

Note: Tasks in this section shall be used as directed by owner.

**01 51 Temporary Utilities** (01 50)

**01 51 13 Temporary Electricity** (01 51)

**01 51 13 00-0001 Temporary Service Switch And/Or Building Feeder Switch** (01 51 13)

Note: Includes all connections and removal after use.

01 51 13 00-0002	EA	Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses .....	1,355.94
01 51 13 00-0003	EA	Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses .....	2,099.92
01 51 13 00-0004	EA	Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses .....	3,865.22
01 51 13 00-0005	EA	Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses .....	6,394.65

**01 51 13 00-0006 Temporary 120/208 Volt Main Lug Panelboard Complete With Branch Fuses** (01 51 13)

Note: Includes mounting on wall and removal after use.

01 51 13 00-0007	EA	Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	1,422.32
01 51 13 00-0008	EA	Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	1,971.37
01 51 13 00-0009	EA	Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	3,086.42
01 51 13 00-0010	EA	Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	4,367.91

**01 51 13 00-0011 Temporary Conduit And Cable For Temporary Disconnect Switches And Temporary Panelboards** (01 51 13)

Note: Includes all connections, fittings, supports and removal after use.

01 51 13 00-0012	LF	Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards .....	10.95
01 51 13 00-0013	LF	Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards .....	12.00

**01 51 26 Temporary Lighting** (01 51)

**01 51 26 00-0001 Temporary Lighting Devices** (01 51 26)

Note: Includes removal after use.

01 51 26 00-0002	EA	Temporary Exit Light.....	323.19
01 51 26 00-0003	EA	Temporary 10 Light String With Cages .....	107.39
01 51 26 00-0004	EA	Temporary High Bay Light .....	389.18

**01 52 Construction Facilities** (01 50)

Note: Tasks in this section shall be used as directed by owner for owner's use. See CSI section 13 34 23 13-0030 for anchors for holding down portable buildings and structures where required.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**01 52 13 Field Offices and Sheds** (01 52)

**01 52 13 00-0001 Field Offices and Office Trailers** (01 52 13)

Note: Excludes furniture, utility connections and service. Minimum 6 months rental.

01 52 13 00-0002	MO 8' x 24' Mobile Office, With Toilet.....	180.51	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	692.18	
	<i>For Each Set-Up (Block And Level), Add</i>	420.89	
	<i>For Each Anchoring Into Dirt, Add</i>	128.35	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52	
	<i>For Office Trailer Without Toilet, Deduct</i>	-36.10	
01 52 13 00-0003	MO 8' x 32' Mobile Office, With Toilet.....	204.57	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	692.18	
	<i>For Each Set-Up (Block And Level), Add</i>	420.89	
	<i>For Each Anchoring Into Dirt, Add</i>	128.35	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52	
	<i>For Office Trailer Without Toilet, Deduct</i>	-40.91	
01 52 13 00-0004	MO 10' x 36' Mobile Office, With Toilet.....	276.77	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	980.59	
	<i>For Each Set-Up (Block And Level), Add</i>	686.71	
	<i>For Each Anchoring Into Dirt, Add</i>	128.35	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52	
	<i>For Office Trailer Without Toilet, Deduct</i>	-55.35	
01 52 13 00-0005	MO 10' x 40' Mobile Office, With Toilet.....	294.83	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	980.59	
	<i>For Each Set-Up (Block And Level), Add</i>	686.71	
	<i>For Each Anchoring Into Dirt, Add</i>	128.35	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52	
	<i>For Office Trailer Without Toilet, Deduct</i>	-58.97	
01 52 13 00-0006	MO 10' x 44' Mobile Office, With Toilet.....	324.91	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	980.59	
	<i>For Each Set-Up (Block And Level), Add</i>	686.71	
	<i>For Each Anchoring Into Dirt, Add</i>	128.35	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52	
01 52 13 00-0007	MO 10' x 50' Mobile Office, With Toilet.....	342.96	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	980.59	
	<i>For Each Set-Up (Block And Level), Add</i>	686.71	
	<i>For Each Anchoring Into Dirt, Add</i>	128.35	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52	
01 52 13 00-0008	MO 12' x 32' Mobile Office, With Toilet.....	265.34	
	<i>For Each Anchoring Into Dirt, Add</i>	128.35	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52	
	<i>For Each Delivery And Set-Up (Block And Level), Add</i>	959.26	
	<i>For Each Knock-Down And Pick-Up, Add</i>	764.26	
01 52 13 00-0009	MO 12' x 44' Mobile Office, With Toilet.....	354.76	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	980.59	
	<i>For Each Set-Up (Block And Level), Add</i>	686.71	
	<i>For Each Anchoring Into Dirt, Add</i>	128.35	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52	
01 52 13 00-0010	MO 12' x 50' Mobile Office, With Toilet.....	403.13	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	980.59	
	<i>For Each Set-Up (Block And Level), Add</i>	686.71	
	<i>For Each Anchoring Into Dirt, Add</i>	128.35	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52	
01 52 13 00-0011	MO 12' x 60' Mobile Office, With Toilet.....	439.23	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	980.59	
	<i>For Each Set-Up (Block And Level), Add</i>	686.71	
	<i>For Each Anchoring Into Dirt, Add</i>	128.35	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52	
01 52 13 00-0012	MO 24' x 60' Modular Office, With Toilet.....	962.68	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,845.82	
	<i>For Each Set-Up (Block And Level), Add</i>	1,107.60	
	<i>For Each Anchoring Into Dirt, Add</i>	128.35	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52	
01 52 13 00-0013	MO 24' x 72' Modular Office, With Toilet.....	1,155.22	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,845.82	
	<i>For Each Set-Up (Block And Level), Add</i>	1,107.60	
	<i>For Each Anchoring Into Dirt, Add</i>	128.35	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52	
01 52 13 00-0014	MO 30' x 30' Modular Office, With Toilet.....	549.03	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,845.82	
	<i>For Each Set-Up (Block And Level), Add</i>	1,107.60	
	<i>For Each Anchoring Into Dirt, Add</i>	128.35	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	192.52	

**01 52 13 00-0015 Accessories For Field Office Trailers** (01 52 13)

Note: Costs includes installation or placement in trailer.

01 52 13 00-0016	MO Desk For Field Office Trailer.....	52.94	
01 52 13 00-0017	MO Rolling Desk Chair For Field Office Trailer.....	33.08	
01 52 13 00-0018	MO File Cabinet For Field Office Trailer.....	39.70	
01 52 13 00-0019	MO Table For Field Office Trailer.....	26.47	
01 52 13 00-0020	MO Folding Chair For Field Office Trailer.....	12.54	
01 52 13 00-0021	EA Phone Hook-Up For Field Office Trailer.....	145.57	
01 52 13 00-0022	MO Local Phone Service Per Phone Line For Field Office Trailer.....	92.64	
01 52 13 00-0023	MO Security System With Monitoring For Field Office Trailer.....	166.79	

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 52</b>	<b>Construction Facilities</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 52 13 00-0024	LF		Perimeter Trailer Skirting For Field Office Trailer.....	15.41	
01 52 13 00-0025	LF		Insulated Perimeter Trailer Skirting For Field Office Trailer.....	36.49	
01 52 13 00-0026	MO		Steps For Field Office Trailer.....	44.92	
01 52 13 00-0027	MO		Fax Machine For Field Office Trailer.....	66.17	
01 52 13 00-0028	YR		Single Port Firewall Router.....	367.04	
01 52 13 00-0029	YR		8 Port Ethernet Switch.....	146.32	
01 52 13 00-0030	YR		16 Port Ethernet Switch.....	161.20	
01 52 13 00-0031	YR		Cisco Modular Router, #1751.....	1,357.80	
01 52 13 00-0032	YR		Wyse 3235LE System.....	1,039.12	
01 52 13 00-0033	YR		Desktop Computer Workstation With 17" Monitor.....	1,086.24	
01 52 13 00-0034	YR		Laserjet 4200TN Printer.....	1,576.98	
01 52 13 00-0035	YR		Mobile Communication Device, Motorola CT250.....	652.24	
01 52 13 00-0036	YR		Laser Fax Machine, Brother Intellifax-4750.....	543.93	
01 52 13 00-0037	YR		Copier With 3 Paper Trays, Sorter, Collating And Zoom.....	716.72	
01 52 13 00-0038	MO		Copier For Field Office Trailer.....	105.87	

### 01 52 13 00-0039 Storage Containers (01 52 13)

01 52 13 00-0040	MO		8' x 8' x 10' Storage Container.....	221.38	
			<i>For Each Delivery And Removal, Two Round Trips, Add</i>	176.76	
			<i>For &gt;12 Months, Deduct</i>	-66.41	
01 52 13 00-0041	MO		8' x 8' x 20' Storage Container.....	231.44	
			<i>For Each Delivery And Removal, Two Round Trips, Add</i>	194.44	
			<i>For &gt;12 Months, Deduct</i>	-69.43	
01 52 13 00-0042	MO		8' x 8' x 40' Storage Container.....	273.70	
			<i>For Each Delivery And Removal, Two Round Trips, Add</i>	391.59	
			<i>For &gt;12 Months, Deduct</i>	-82.11	
01 52 13 00-0043	EA		Relocate Up To 100' Storage Container On Site.....	198.02	
01 52 13 00-0044	EA		Relocate >100' To 300' Storage Container On Site.....	247.53	
01 52 13 00-0045	EA		Relocate >300' To 500' Storage Container On Site.....	346.54	
01 52 13 00-0046	EA		Relocate >500' Storage Container On Site.....	396.04	

### 01 52 19 Sanitary Facilities (01 52)

#### 01 52 19 00-0001 Portable Toilets (01 52 19)

Note: Includes set-up, servicing once per week (unless task states otherwise) and removal.

01 52 19 00-0002	WK		Portable Chemical Toilet.....	43.33	
			<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
			<i>For Each Delivery, Add</i>	45.00	
01 52 19 00-0003	MO		Portable Chemical Toilet.....	129.99	
			<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
			<i>For Each Delivery, Add</i>	45.00	
01 52 19 00-0004	WK		Americans With Disabilities Act Compliant Portable Chemical Toilet.....	51.68	
			<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
			<i>For Each Delivery, Add</i>	45.00	
01 52 19 00-0005	MO		Americans With Disabilities Act Compliant Portable Chemical Toilet.....	151.65	
			<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
			<i>For Each Delivery, Add</i>	45.00	
01 52 19 00-0006	WK		Two Station Portable Handwash.....	50.72	
			<i>For Each Delivery, Add</i>	45.00	
01 52 19 00-0007	MO		Two Station Portable Handwash.....	153.85	
			<i>For Each Delivery, Add</i>	45.00	
01 52 19 00-0008	MO		6 Station, Portable Toilets, Multi Trailer.....	4,207.06	
			Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink)		
01 52 19 00-0009	WK		Service 6 Station Trailer Restrooms, 3 Times Per Week.....	1,850.00	
			<i>For One Additional Service Per Week, Add</i>	616.67	
			Note: For one less service per week, UOM to be negative one (-1)		

### 01 53 Temporary Construction (01 50)

#### 01 53 16 Temporary Decking (01 53)

##### 01 53 16 00-0001 Temporary Walkways And Railings (01 53 16)

Note: Includes removal after use.

01 53 16 00-0002	SF		Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers.....	7.35	
01 53 16 00-0003	LF		Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail.....	32.33	
01 53 16 00-0004	LF		Temporary Wood Guardrail Base, 12" x 12" Timber Beam.....	13.95	
01 53 16 00-0005	RSR		Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers.....	24.50	

#### 01 53 23 Temporary Ramps (01 53)

##### 01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access (01 53 23)

Note: Includes removal after use.

01 53 23 00-0002	SF		Temporary Plywood For Wheel Barrow Access.....	1.60	0.47
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### 01 54 Construction Aids (01 50)

#### 01 54 09 Personnel Protection Equipment (01 54)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 54 09 00-0001 Personnel Protection Equipment</b> <small>(01 54 09)</small>		
<p>Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responsibility. Includes, but are not limited to; protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.</p>		
01 54 09 00-0002 NTE Personnel Protection Equipment	0.00	
<p>Note: For specification publishing. Review specifications for requirements.</p>		
<b>01 54 23 Temporary Scaffolding and Platforms</b> <small>(01 54)</small>		
<b>01 54 23 00-0001 Scaffolding</b> <small>(01 54 23)</small>		
<p>Note: Additional scaffolding rental for work above the normal working height.</p>		
<b>01 54 23 00-0002 Scaffolding Rental - Rental Only</b> <small>(01 54 23 00-0001)</small>		
<p>Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.</p>		
01 54 23 00-0003 CCF Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month)	30.87	
For Up To 25, Add	12.35	
For >25 To 50, Add	7.72	
For >50 To 150, Add	3.09	
01 54 23 00-0004 CCF Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month)	34.71	
For Up To 25, Add	13.88	
For >25 To 50, Add	8.68	
For >50 To 150, Add	3.47	
01 54 23 00-0005 CCF Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month)	46.30	
For Up To 25, Add	18.52	
For >25 To 50, Add	11.58	
For >50 To 150, Add	4.63	
<b>01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only</b> <small>(01 54 23 00-0001)</small>		
<p>Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.</p>		
01 54 23 00-0007 CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	49.74	
01 54 23 00-0008 CCF >20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	62.17	
01 54 23 00-0009 CCF >40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	74.60	
01 54 23 00-0010 CCF >60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	82.07	
01 54 23 00-0011 CCF >80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	94.50	
01 54 23 00-0012 CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set Up On Stairs, Per CCF Of Scaffolding And Accessories	59.69	
<b>01 54 23 00-0013 Heavy Duty Masonry Scaffolding Rental - Rental Only</b> <small>(01 54 23 00-0001)</small>		
<p>Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.</p>		
01 54 23 00-0014 CCF Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month)	63.31	
01 54 23 00-0015 CCF Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month)	116.06	
01 54 23 00-0016 LF Aluminum Joists (LF / Month)	10.29	
01 54 23 00-0017 LF Aluminum Stringers (LF / Month)	14.76	
01 54 23 00-0018 EA Screw Jack With U-Plate For Stringers (EA / Month)	18.60	
<b>01 54 23 00-0019 Heavy Duty Masonry Scaffolding Erection And Dismantling - Labor Only</b> <small>(01 54 23 00-0001)</small>		
<p>Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.</p>		
01 54 23 00-0020 CCF Up To 20' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	79.57	
01 54 23 00-0021 CCF >20' To 40' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	99.47	
01 54 23 00-0022 CCF >40' To 60' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	119.37	
01 54 23 00-0023 CCF >60' To 80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	129.31	
01 54 23 00-0024 CCF >80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	144.24	
<b>01 54 23 00-0025 Scaffolding Accessories</b> <small>(01 54 23 00-0001)</small>		
<p>See CSI section 01 54 23 00-0019 for erection.</p>		
01 54 23 00-0026 CSF Netting for Exterior Building Scaffolding	37.62	
<p>Note: Includes removal after use.</p>		
<b>01 54 23 00-0027 Rolling Scaffolding</b> <small>(01 54 23)</small>		
<p>Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.</p>		
01 54 23 00-0028 DAY >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	11.83	

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 54</b>	<b>Construction Aids</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 54 23 00-0029	WK	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....	47.39
01 54 23 00-0030	MO	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....	189.54
01 54 23 00-0031	DAY	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....	19.80
01 54 23 00-0032	WK	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....	79.29
01 54 23 00-0033	MO	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....	317.21
01 54 23 00-0034	EA	>14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold .....	99.10
01 54 23 00-0035	EA	>20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold .....	123.88

### 01 54 23 00-0036 Shoring Posts (01 54 23)

Note: Includes moving to perform task and removal after use. No additional cost for relocating will be allowed.

01 54 23 00-0037	DAY	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post .....	7.43
01 54 23 00-0038	WK	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post .....	22.30
01 54 23 00-0039	MO	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post .....	37.17

### 01 54 23 00-0040 Temporary Lumber, Single Use (01 54 23)

Note: Includes removal after use.

01 54 23 00-0041	SF	5/16" CD Grade Plywood, Temporary Lumber .....	2.64
01 54 23 00-0042	SF	1/2" CD Grade Plywood, Temporary Lumber .....	3.16
01 54 23 00-0043	SF	5/8" CD Grade Plywood, Temporary Lumber .....	3.46
01 54 23 00-0044	SF	3/4" CD Grade Plywood, Temporary Lumber .....	3.91
01 54 23 00-0045	SF	1" CD Grade Plywood, Temporary Lumber .....	6.05
01 54 23 00-0046	LF	2" x 4" Temporary Lumber .....	3.05
01 54 23 00-0047	LF	2" x 6" Temporary Lumber .....	3.90
01 54 23 00-0048	LF	2" x 8" Temporary Lumber .....	4.74
01 54 23 00-0049	LF	2" x 10" Temporary Lumber .....	5.58
01 54 23 00-0050	LF	2" x 12" Temporary Lumber .....	6.42
01 54 23 00-0051	LF	3" x 8" Temporary Lumber .....	6.42
01 54 23 00-0052	LF	3" x 10" Temporary Lumber .....	7.69
01 54 23 00-0053	LF	3" x 12" Temporary Lumber .....	8.95
01 54 23 00-0054	LF	4" x 4" Temporary Lumber .....	4.20
01 54 23 00-0055	LF	4" x 6" Temporary Lumber .....	6.06
01 54 23 00-0056	LF	6" x 6" Temporary Lumber .....	7.92
01 54 23 00-0057	LF	6" x 8" Temporary Lumber .....	10.30
01 54 23 00-0058	LF	12" x 12" Temporary Lumber .....	25.50

### 01 54 23 00-0059 Temporary Precast Concrete Blocks (01 54 23)

Note: Includes removal after use.

01 54 23 00-0060	EA	2' x 2' x 2' Temporary Precast Concrete Block .....	107.58
01 54 23 00-0061	EA	2' x 2' x 4' Temporary Precast Concrete Block .....	134.47
01 54 23 00-0062	EA	2' x 2' x 8' Temporary Precast Concrete Block .....	161.38

### 01 54 26 Temporary Swing Staging (01 54)

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.

#### 01 54 26 00-0001 Swing Stage (01 54 26)

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.

01 54 26 00-0002	MO	7' Swing Stage, Electric Operated .....	2,782.52
01 54 26 00-0003	MO	10' Swing Stage, Electric Operated .....	2,921.64
01 54 26 00-0004	MO	14' Swing Stage, Electric Operated .....	3,060.77
01 54 26 00-0005	MO	20' Swing Stage, Electric Operated .....	3,199.89
01 54 26 00-0006	MO	24' Swing Stage, Electric Operated .....	3,339.02
01 54 26 00-0007	MO	30' Swing Stage, Electric Operated .....	3,478.14
01 54 26 00-0008	MO	42' Swing Stage, Electric Operated .....	3,617.27
01 54 26 00-0009	MO	12' Swing Stage, Manually Operated .....	802.40
01 54 26 00-0010	MO	24' Swing Stage, Manually Operated .....	1,003.00
01 54 26 00-0011	EA	Swing Stage Platform From Hooks, Erection And Dismantling .....	4,225.26
Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.			
01 54 26 00-0012	EA	Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling .....	5,871.71
Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.			
01 54 26 00-0013	EA	Move Swing Stage Platform From Hooks To Different Location At Same Roof .....	2,221.73
01 54 26 00-0014	EA	Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof .....	3,094.56

## 01 55 Vehicular Access and Parking (01 50)

### 01 55 23 Temporary Roads (01 55)

#### 01 55 23 00-0001 Temporary Stabilized Construction Entrance (01 55 23)

Note: As per Caltrans detail.

01 55 23 00-0002	SF	3" To 4" Rock Temporary Stabilized Construction Entrance Assembly .....	2.79
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.			
01 55 23 00-0003	SF	>4" To 6" Rock Temporary Stabilized Construction Entrance Assembly .....	3.46
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.			





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 55 23 00-0004 Rumble Trench Plate (01 55 23)</b>		
01 55 23 00-0005 MO 8' x 10' Steel Rumble Trench Plate Rental.....	371.66	
01 55 23 00-0006 EA Placement And Removal Of Rumble Plate.....	89.11	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
01 55 23 00-0007 EA Relocate And Adjust Location Of Rumble Plate.....	22.28	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
<b>01 55 23 00-0008 Temporary Road Ramps (Godwin) (01 55 23)</b>		
Note: Excludes asphalt and gravel.		
01 55 23 00-0009 EA 4" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	4,550.14	198.63
01 55 23 00-0010 EA 6" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	6,193.25	297.94
01 55 23 00-0011 EA 8" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	8,558.60	397.26
01 55 23 00-0012 EA 12" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	17,785.23	496.57
01 55 23 00-0013 EA 24" Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	26,109.06	595.89
<b>01 55 26 Traffic Control (01 55)</b>		
<b>01 55 26 00-0001 Temporary Removable Preformed Traffic Black Line Mask (01 55 26)</b>		
Note: Includes installation and removal after use.		
01 55 26 00-0002 LF 6" Removable Traffic Black Line Mask.....	4.37	
01 55 26 00-0003 LF 8" Removable Traffic Black Line Mask.....	5.25	
<b>01 55 26 00-0004 Temporary Preformed Traffic Line Tape (01 55 26)</b>		
Note: Includes installation and removal after use.		
01 55 26 00-0005 LF 4" Reflective Removable Traffic Line Tape.....	4.83	
01 55 26 00-0006 LF 6" Reflective Removable Traffic Line Tape.....	6.61	
01 55 26 00-0007 LF 8" Reflective Removable Traffic Line Tape.....	8.29	
<b>01 55 26 00-0008 Temporary Painted Traffic Lines (01 55 26)</b>		
Note: Includes installation and removal after use.		
01 55 26 00-0009 LF 4" Temporary Painted Traffic Lines.....	2.23	
For Not Removed, Deduct		
	-1.46	
01 55 26 00-0010 LF 6" Temporary Painted Traffic Lines.....	2.93	
For Not Removed, Deduct		
	-1.97	
01 55 26 00-0011 LF 8" Temporary Painted Traffic Lines.....	3.68	
For Not Removed, Deduct		
	-2.52	
<b>01 55 26 00-0012 Temporary Pedestrian Traffic Control (01 55 26)</b>		
01 55 26 00-0013 CLF 1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange.....	11.99	
01 55 26 00-0014 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange.....	16.29	
01 55 26 00-0015 CLF 3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....	8.53	
01 55 26 00-0016 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....	10.75	
01 55 26 00-0017 CLF 3", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent.....	12.11	
01 55 26 00-0018 CLF 6", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent.....	17.60	
01 55 26 00-0019 CLF 1" Exterior Vinyl Tape (Warning Tape).....	14.96	
01 55 26 00-0020 CLF 2" Exterior Vinyl Tape (Warning Tape).....	21.92	
01 55 26 00-0021 CLF 3" Exterior Vinyl Tape (Warning Tape).....	28.68	
01 55 26 00-0022 CLF 4" Exterior Vinyl Tape (Warning Tape).....	33.61	
<b>01 55 26 00-0023 Linear Delineation System, Temporary Or Permanent (01 55 26)</b>		
Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.		
01 55 26 00-0024 LF 4" Linear Delineation System.....	10.44	
01 55 26 00-0025 LF 6" Linear Delineation System.....	14.16	
<b>01 55 26 00-0026 Temporary Traffic Protection (01 55 26)</b>		
<b>01 55 26 00-0027 Temporary Portable Traffic Control Device Usage (01 55 26 00-0026)</b>		
Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0108 for delivery, placing and removal.		
01 55 26 00-0028 DAY 28" Cone With Reflective Collar.....	0.80	
01 55 26 00-0029 WK 28" Cone With Reflective Collar.....	2.39	
01 55 26 00-0030 MO 28" Cone With Reflective Collar.....	7.18	
01 55 26 00-0031 DAY 36" Traffic Cone With Reflective Collar.....	1.00	
01 55 26 00-0032 WK 36" Traffic Cone With Reflective Collar.....	2.99	
01 55 26 00-0033 MO 36" Traffic Cone With Reflective Collar.....	8.98	
01 55 26 00-0034 DAY Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post.....	1.88	
01 55 26 00-0035 WK Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post.....	5.64	
01 55 26 00-0036 MO Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post.....	16.92	
01 55 26 00-0037 DAY Vertical Panel.....	2.41	
01 55 26 00-0038 WK Vertical Panel.....	7.23	
01 55 26 00-0039 MO Vertical Panel.....	21.69	

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 55</b>	<b>Vehicular Access and Parking</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 55 26 00-0040	DAY		Channelizer Drum .....	2.62	
01 55 26 00-0041	WK		Channelizer Drum .....	7.85	
01 55 26 00-0042	MO		Channelizer Drum .....	23.55	
01 55 26 00-0043	DAY		Stackable Channelizer Panel .....	1.24	
01 55 26 00-0044	WK		Stackable Channelizer Panel .....	3.71	
01 55 26 00-0045	MO		Stackable Channelizer Panel .....	11.14	
01 55 26 00-0046	DAY		Type I Barricade, Up To 3' Wide With Reflective Rail Each Side .....	1.71	
01 55 26 00-0047	WK		Type I Barricade, Up To 3' Wide With Reflective Rail Each Side .....	5.14	
01 55 26 00-0048	MO		Type I Barricade, Up To 3' Wide With Reflective Rail Each Side .....	15.42	
01 55 26 00-0049	DAY		Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side .....	3.80	
01 55 26 00-0050	WK		Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side .....	11.39	
01 55 26 00-0051	MO		Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side .....	34.18	
01 55 26 00-0052	DAY		Type III Barricade, Up To 5' Wide With Three Reflective Rails .....	4.33	
01 55 26 00-0053	WK		Type III Barricade, Up To 5' Wide With Three Reflective Rails .....	12.99	
01 55 26 00-0054	MO		Type III Barricade, Up To 5' Wide With Three Reflective Rails .....	38.96	
01 55 26 00-0055	DAY		Type III Barricade, >5' To 10' Wide With Three Reflective Rails .....	7.92	
01 55 26 00-0056	WK		Type III Barricade, >5' To 10' Wide With Three Reflective Rails .....	23.75	
01 55 26 00-0057	MO		Type III Barricade, >5' To 10' Wide With Three Reflective Rails .....	71.26	
01 55 26 00-0058	DAY		Up To 10' Wide A Frame Barricade .....	4.34	
01 55 26 00-0059	WK		Up To 10' Wide A Frame Barricade .....	13.03	
01 55 26 00-0060	MO		Up To 10' Wide A Frame Barricade .....	39.08	
01 55 26 00-0061	DAY		Type A Or C Flasher .....	0.88	
01 55 26 00-0062	WK		Type A Or C Flasher .....	2.65	
01 55 26 00-0063	MO		Type A Or C Flasher .....	7.96	
01 55 26 00-0064	DAY		Type B Flasher (High Intensity) .....	4.80	
01 55 26 00-0065	WK		Type B Flasher (High Intensity) .....	14.40	
01 55 26 00-0066	MO		Type B Flasher (High Intensity) .....	43.21	

## 01 55 26 00-0067

**Temporary Traffic Barriers Usage** (01 55 26 00-0026)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0108 for delivery, placing and removal.

01 55 26 00-0068	DAY		6' Long Portable Parking Curbs .....	2.07	
01 55 26 00-0069	WK		6' Long Portable Parking Curbs .....	6.20	
01 55 26 00-0070	MO		6' Long Portable Parking Curbs .....	18.61	
01 55 26 00-0071	DAY		6' Long Portable Speed Bumps .....	6.12	
01 55 26 00-0072	WK		6' Long Portable Speed Bumps .....	18.36	
01 55 26 00-0073	MO		6' Long Portable Speed Bumps .....	55.08	
01 55 26 00-0074	DAY		Up To 12.5' Concrete Traffic Barrier .....	14.70	
01 55 26 00-0075	WK		Up To 12.5' Concrete Traffic Barrier .....	44.11	
01 55 26 00-0076	MO		Up To 12.5' Concrete Traffic Barrier .....	132.32	
01 55 26 00-0077	DAY		>12.5' To 20' Concrete Traffic Barrier .....	29.40	
01 55 26 00-0078	WK		>12.5' To 20' Concrete Traffic Barrier .....	88.21	
01 55 26 00-0079	MO		>12.5' To 20' Concrete Traffic Barrier .....	264.63	
01 55 26 00-0080	DAY		6' x 32" Tall Plastic Water Barrier .....	17.56	
01 55 26 00-0081	WK		6' x 32" Tall Plastic Water Barrier .....	52.67	
01 55 26 00-0082	MO		6' x 32" Tall Plastic Water Barrier .....	158.01	
01 55 26 00-0083	DAY		6' x 46" Tall Plastic Water Barrier .....	25.07	
01 55 26 00-0084	WK		6' x 46" Tall Plastic Water Barrier .....	75.21	
01 55 26 00-0085	MO		6' x 46" Tall Plastic Water Barrier .....	225.62	
01 55 26 00-0086	DAY		Sand Filled Crash Attenuator Barrels .....	9.81	
01 55 26 00-0087	WK		Sand Filled Crash Attenuator Barrels .....	29.44	
01 55 26 00-0088	MO		Sand Filled Crash Attenuator Barrels .....	88.31	

## 01 55 26 00-0089

**Temporary Portable Signs And Message Displays Usage** (01 55 26 00-0026)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0108 for delivery, placing and removal.

01 55 26 00-0090	DAY		Mesh Or Vinyl Roll-up Sign With Stand .....	7.70	
01 55 26 00-0091	WK		Mesh Or Vinyl Roll-up Sign With Stand .....	23.11	
01 55 26 00-0092	MO		Mesh Or Vinyl Roll-up Sign With Stand .....	69.34	
01 55 26 00-0093	DAY		Aluminum Sign And Post .....	3.62	
01 55 26 00-0094	WK		Aluminum Sign And Post .....	10.85	
01 55 26 00-0095	MO		Aluminum Sign And Post .....	32.55	
01 55 26 00-0096	DAY		Aluminum Sign And A Frame Stand .....	5.82	
01 55 26 00-0097	WK		Aluminum Sign And A Frame Stand .....	17.48	
01 55 26 00-0098	MO		Aluminum Sign And A Frame Stand .....	52.42	
01 55 26 00-0099	DAY		Trailer Mounted Flashing Arrow Board .....	123.00	
01 55 26 00-0100	WK		Trailer Mounted Flashing Arrow Board .....	340.44	
01 55 26 00-0101	MO		Trailer Mounted Flashing Arrow Board .....	900.52	
01 55 26 00-0102	DAY		Trailer Mounted Portable Variable Message Sign (PVMS) .....	303.00	
01 55 26 00-0103	WK		Trailer Mounted Portable Variable Message Sign (PVMS) .....	808.00	
01 55 26 00-0104	MO		Trailer Mounted Portable Variable Message Sign (PVMS) .....	1,616.00	
01 55 26 00-0105	DAY		Two Head, Trailer Mounted Traffic Signal System (Set Of Two) .....	1,310.47	
			Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0106	WK		Two Head, Trailer Mounted Traffic Signal System (Set Of Two) .....	3,931.41	
			Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0107	MO		Two Head, Trailer Mounted Traffic Signal System (Set Of Two) .....	11,794.23	
			Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**01 55 26 00-0108**

**Place And Remove Temporary Traffic Protection Using Truck** (01 55 26 00-0026)

Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0039 for delivery >15 miles.

01 55 26 00-0109	EA	Placement And Removal Of Up To 250 Cones Using Truck .....	3.49
01 55 26 00-0110	EA	Placement And Removal Of >250 Cones Using Truck .....	3.05
01 55 26 00-0111	EA	Placement And Removal Of Up To 250 Panels/Channelizers Using Truck .....	5.75
01 55 26 00-0112	EA	Placement And Removal Of >250 Panels/Channelizers Using Truck .....	4.79
01 55 26 00-0113	EA	Placement And Removal Of Up To 250 Barricades Using Truck .....	8.70
01 55 26 00-0114	EA	Placement And Removal Of >250 Barricades Using Truck .....	6.97
01 55 26 00-0115	EA	Placement And Removal Of Curbs/Speed Bumps Using Truck .....	8.70
01 55 26 00-0116	EA	Placement And Removal Of Portable Sign And Stand Using Truck .....	5.23
01 55 26 00-0117	EA	Placement And Removal Of Aluminum Sign And Post Using Truck .....	21.78
01 55 26 00-0118	EA	Placement And Removal Of Trailer Mounted Boards And Signals Using Truck .....	65.31
01 55 26 00-0119	EA	Placement And Removal Of Up To 12.5' Concrete Traffic Barrier .....	89.11

Note: If lifting equipment is not available on site, See CSI section 01 71 13 00-0000 for mobilization tasks.

For 1 Barrier, Add	222.78
For 2 Barriers, Add	80.20
For 3 Barriers, Add	26.73

01 55 26 00-0120	EA	Placement And Removal Of >12.5' Concrete Traffic Barrier .....	133.67
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Note: If lifting equipment is not available on site, See CSI section 01 71 13 00-0000 for mobilization tasks.

For 1 Barrier, Add	334.18
For 2 Barriers, Add	120.30
For 3 Barriers, Add	40.10

01 55 26 00-0121	EA	Placement And Removal Of Plastic Water Barrier .....	51.27
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Note: Includes water. If lifting equipment is not available on site, See CSI section 01 71 13 00-0000 for mobilization tasks.

For 1 Barrier, Add	111.38
For 2 Barriers, Add	40.10
For 3 Barriers, Add	13.37

01 55 26 00-0122	EA	Placement And Removal Of Crash Attenuator Barrels .....	66.83
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Note: If lifting equipment is not available on site, See CSI section 01 71 13 00-0000 for mobilization tasks.

For 1 Barrier, Add	167.08
For 2 Barriers, Add	60.15
For 3 Barriers, Add	20.05

**01 55 26 00-0123**

**Place And Remove Temporary Traffic Protection From Roadside (Daily)** (01 55 26 00-0026)

01 55 26 00-0124	EA	Placement And Removal Of Up To 250 Cones By Hand From Roadside .....	2.17
01 55 26 00-0125	EA	Placement And Removal Of >250 Cones By Hand From Roadside .....	1.74
01 55 26 00-0126	EA	Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside .....	2.90
01 55 26 00-0127	EA	Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside .....	2.31
01 55 26 00-0128	EA	Placement And Removal Of Up To 250 Barricades By Hand From Roadside .....	4.36
01 55 26 00-0129	EA	Placement And Removal Of >250 Barricades By Hand From Roadside .....	3.49
01 55 26 00-0130	EA	Placement And Removal Of Portable Sign And Stand From Roadside .....	2.58
01 55 26 00-0131	EA	Placement And Removal Of Trailer Mounted Boards And Signals From Roadside .....	32.65
01 55 26 00-0132	EA	Roadside Relocation Of Concrete Traffic Barrier .....	44.55

Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.

**01 55 26 00-0133**

**Temporary Rumble Strips** (01 55 26)

Note: Includes removal after use.

01 55 26 00-0134	LF	1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip .....	12.48
01 55 26 00-0135	LF	1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip .....	8.95

**01 56 Temporary Barriers and Enclosures** (01 50)

Note: Includes removal after use.

**01 56 16 Temporary Dust Barriers** (01 56)

**01 56 16 00-0001 Temporary Sheeting For Protection** (01 56 16)

Note: Includes removal after use.

01 56 16 00-0002	SF	6 Mil, Plastic Sheeting, Applied To Floors .....	0.35
01 56 16 00-0003	SF	6 Mil, Plastic Sheeting, Applied To Walls .....	0.44
01 56 16 00-0004	SF	6 Mil, Plastic Sheeting, Applied To Ceilings .....	0.59
01 56 16 00-0005	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding .....	0.58
01 56 16 00-0006	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors .....	0.43
01 56 16 00-0007	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls .....	0.52
01 56 16 00-0008	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings .....	0.67
01 56 16 00-0009	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding .....	0.63
01 56 16 00-0010	SF	10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding .....	0.81
01 56 16 00-0011	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Floors .....	0.45
01 56 16 00-0012	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Walls .....	0.54
01 56 16 00-0013	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Ceilings .....	0.69
01 56 16 00-0014	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Scaffolding .....	0.65
01 56 16 00-0015	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors .....	0.44
01 56 16 00-0016	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls .....	0.53
01 56 16 00-0017	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings .....	0.68
01 56 16 00-0018	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding .....	0.64
01 56 16 00-0019	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors .....	0.51

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 50</b>	<b>Temporary Facilities and Controls</b>
	<b>01 56</b>	<b>Temporary Barriers and Enclosures</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-020 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls.....	0.60	
01 56 16 00-021 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.75	
01 56 16 00-022 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.71	
<b>01 56 16 00-023 Temporary Canvas For Protection (01 56 16)</b> Note: Includes removal after use.		
01 56 16 00-024 SF Heavy Duty Woven Water Repellant Canvas, Applied To Walls.....	0.91	
<b>01 56 16 00-025 Accessories For Temporary Sheeting (01 56 16)</b> Note: Includes removal after use.		
01 56 16 00-026 EA 7' Zipper Door For Plastic Sheeting .....	20.78	
01 56 16 00-027 LF Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall)..... Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors.	8.59	
<b>01 56 16 00-028 Temporary Critical Barriers For Protection (01 56 16)</b> Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.		
01 56 16 00-029 EA Up To 1 SF Individual Critical Barriers..... Note: For Outlets And Receptacles	11.06	
01 56 16 00-030 EA >1 To 4 SF Individual Critical Barriers .....	16.77	
01 56 16 00-031 EA >4 To 8 SF Individual Critical Barriers .....	22.56	
01 56 16 00-032 EA >8 To 32 SF Individual Critical Barriers..... Note: For doors, windows, etc.	35.35	
<b>01 56 16 00-033 Temporary Stud Wall (01 56 16)</b> Note: Includes removal after use.		
<b>01 56 16 00-034 Temporary Stud Wall With Drywall (01 56 16 00-033)</b> Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
<b>01 56 16 00-035 Temporary Stud Wall With Drywall (01 56 16 00-034)</b>		
01 56 16 00-036 SF 3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.23 0.67	
01 56 16 00-037 SF 1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.23 0.67	
01 56 16 00-038 SF 5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.34 0.67	
01 56 16 00-039 SF 3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	8.53	
01 56 16 00-040 SF 1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	8.53	
01 56 16 00-041 SF 5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	8.74	
<b>01 56 16 00-042 Temporary Stud Wall With Fire Rated Drywall (01 56 16 00-034)</b>		
01 56 16 00-043 SF 1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center .....	6.35	
01 56 16 00-044 SF 5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center .....	6.39	
01 56 16 00-045 SF 5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.32	
01 56 16 00-046 SF 3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.15 0.67	
01 56 16 00-047 SF 1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	8.77	
01 56 16 00-048 SF 5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	8.84	
01 56 16 00-049 SF 5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	8.72	
01 56 16 00-050 SF 3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.37 0.76	
<b>01 56 16 00-051 Temporary Stud Wall With Oriented Strand Board (OSB) (01 56 16 00-033)</b> Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-052 SF 7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.37 0.67	
01 56 16 00-053 SF 1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.45 0.67	
01 56 16 00-054 SF 5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.68 0.67	
01 56 16 00-055 SF 3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.81 0.67	



<b>General Requirements</b>			<b>01</b>
Temporary Facilities and Controls			01 50
Temporary Barriers and Enclosures			01 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0056 SF 7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	8.81 0.76	
01 56 16 00-0057 SF 1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	8.97 0.76	
01 56 16 00-0058 SF 5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.44 0.76	
01 56 16 00-0059 SF 3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.69 0.76	
<b>01 56 16 00-0060 Temporary Stud Wall With BC Plywood</b> <small>(01 56 16 00-0033)</small> Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0061 SF 3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.92 0.67	
01 56 16 00-0062 SF 1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.23 0.67	
01 56 16 00-0063 SF 5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.46 0.67	
01 56 16 00-0064 SF 3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.71 0.67	
01 56 16 00-0065 SF 3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.91 0.76	
01 56 16 00-0066 SF 1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.52 0.76	
01 56 16 00-0067 SF 5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.99 0.76	
01 56 16 00-0068 SF 3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	11.48 0.76	
<b>01 56 16 00-0069 Temporary Stud Wall With Plastic Sheeting</b> <small>(01 56 16 00-0033)</small> Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.		
01 56 16 00-0070 SF 6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	3.68 0.57	
01 56 16 00-0071 SF 6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	3.76 0.57	
01 56 16 00-0072 SF 6 Mil, Fire Retardant, Anti-Static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	3.78 0.57	
01 56 16 00-0073 SF 6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	3.77 0.57	
01 56 16 00-0074 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	3.84 0.57	
<b>01 56 16 00-0075 Temporary Doors</b> <small>(01 56 16 00-0033)</small> Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0076 EA Temporary Metal Door And Frame ..... Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	638.52	
<b>01 56 16 00-0077 Sticky Mats</b> <small>(01 56 16)</small> Note: Includes removal after use.		
01 56 16 00-0078 EA 18" x 36", 30 Layer Sticky Mat ..... <i>For 60 Layers Instead Of 30, Add</i>	34.63 23.00	
01 56 16 00-0079 EA 18" x 46", 30 Layer Sticky Mat ..... <i>For 60 Layers Instead Of 30, Add</i>	39.74 26.83	
01 56 16 00-0080 EA 24" x 36", 30 Layer Sticky Mat ..... <i>For 60 Layers Instead Of 30, Add</i>	39.74 26.83	
01 56 16 00-0081 EA 25" x 45", 30 Layer Sticky Mat ..... <i>For 60 Layers Instead Of 30, Add</i>	52.52 36.41	
01 56 16 00-0082 EA 36" x 36", 30 Layer Sticky Mat ..... <i>For 60 Layers Instead Of 30, Add</i>	57.63 40.25	
01 56 16 00-0083 EA 36" x 46", 30 Layer Sticky Mat ..... <i>For 60 Layers Instead Of 30, Add</i>	62.74 44.08	
01 56 16 00-0084 EA 36" x 60", 30 Layer Sticky Mat ..... <i>For 60 Layers Instead Of 30, Add</i>	126.62 91.99	
01 56 16 00-0085 EA 36" x 72", 30 Layer Sticky Mat .....	151.15	
<b>01 56 16 00-0086 Temporary Floor Protection</b> <small>(01 56 16)</small> Note: Includes removal after use.		
01 56 16 00-0087 SF 1/8" Thick, Masonite For Temporary Floor Protection.....	1.53	
01 56 16 00-0088 SF 1/2" Thick, Plywood For Temporary Floor Protection.....	1.62	
01 56 16 00-0089 SF 3/4" Thick, Plywood For Temporary Floor Protection.....	1.92	
01 56 16 00-0090 LF 38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection.....	0.87	
01 56 16 00-0091 LF 36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection .....	0.29	
01 56 16 00-0092 CSF 3 Mil, Temporary Self-adhesive Carpet Protection Film.....	24.88	
01 56 16 00-0093 SF Burlap For Temporary Floor Protection .....	0.63	
<b>01 56 26 Temporary Fencing</b> <small>(01 56)</small>		

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 56</b>	<b>Temporary Barriers and Enclosures</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 56 26 00-0001	Temporary Fencing <sup>(01 56 26)</sup> Note: Per ASTM A392-06 Standards	
01 56 26 00-0002	Temporary Chain Link Fence <sup>(01 56 26 00-0001)</sup> Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for auguring and backfill of posts.	
01 56 26 00-0003	Temporary Chain Link Fence, Up To 6 Months <sup>(01 56 26 00-0002)</sup>	
01 56 26 00-0004	LF Temporary 4' High Chain Link Fence And Posts, Up To 6 Months.....	6.03
	For >100 To 250, Deduct	-0.14
	For >250 To 500, Deduct	-0.29
	For >500, Deduct	-0.43
	For Each LF Shade Cloth, Add	1.60
01 56 26 00-0005	LF Temporary 6' High Chain Link Fence And Posts, Up To 6 Months.....	6.72
	For >100 To 250, Deduct	-0.16
	For >250 To 500, Deduct	-0.32
	For >500, Deduct	-0.48
	For Each LF Shade Cloth, Add	2.55
01 56 26 00-0006	LF Temporary 8' High Chain Link Fence And Posts, Up To 6 Months.....	9.27
	For >100 To 250, Deduct	-0.27
	For >250 To 500, Deduct	-0.55
	For >500, Deduct	-0.82
	For Each LF Shade Cloth, Add	3.60
01 56 26 00-0007	LF Temporary 10' High Chain Link Fence And Posts, Up To 6 Months.....	20.44
	For >100 To 250, Deduct	-0.81
	For >250 To 500, Deduct	-1.62
	For >500, Deduct	-2.43
	For Each LF Shade Cloth, Add	4.75
01 56 26 00-0008	Temporary Chain Link Fence, >6 To 12 Months <sup>(01 56 26 00-0002)</sup>	
01 56 26 00-0009	LF Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months.....	6.33
	For >100 To 250, Deduct	-0.16
	For >250 To 500, Deduct	-0.32
	For >500, Deduct	-0.47
	For Each LF Shade Cloth, Add	1.60
01 56 26 00-0010	LF Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months.....	7.04
	For >100 To 250, Deduct	-0.18
	For >250 To 500, Deduct	-0.36
	For >500, Deduct	-0.53
	For Each LF Shade Cloth, Add	2.55
01 56 26 00-0011	LF Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months.....	9.81
	For >100 To 250, Deduct	-0.30
	For >250 To 500, Deduct	-0.60
	For >500, Deduct	-0.90
	For Each LF Shade Cloth, Add	3.60
01 56 26 00-0012	LF Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months.....	22.05
	For >100 To 250, Deduct	-0.89
	For >250 To 500, Deduct	-1.78
	For >500, Deduct	-2.68
	For Each LF Shade Cloth, Add	4.75
01 56 26 00-0013	Temporary Chain Link Fence, >12 To 18 Months <sup>(01 56 26 00-0002)</sup>	
01 56 26 00-0014	LF Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months.....	6.65
	For >100 To 250, Deduct	-0.17
	For >250 To 500, Deduct	-0.35
	For >500, Deduct	-0.52
	For Each LF Shade Cloth, Add	1.60
01 56 26 00-0015	LF Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months.....	7.41
	For >100 To 250, Deduct	-0.20
	For >250 To 500, Deduct	-0.39
	For >500, Deduct	-0.59
	For Each LF Shade Cloth, Add	2.55
01 56 26 00-0016	LF Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months.....	10.42
	For >100 To 250, Deduct	-0.33
	For >250 To 500, Deduct	-0.66
	For >500, Deduct	-0.99
	For Each LF Shade Cloth, Add	3.60
01 56 26 00-0017	LF Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months.....	23.84
	For >100 To 250, Deduct	-0.98
	For >250 To 500, Deduct	-1.96
	For >500, Deduct	-2.94
	For Each LF Shade Cloth, Add	4.75
01 56 26 00-0018	Temporary Chain Link Fence, >18 Months <sup>(01 56 26 00-0002)</sup>	
01 56 26 00-0019	LF Temporary 4' High Chain Link Fence And Posts, >18 Months.....	6.99
	For >100 To 250, Deduct	-0.19
	For >250 To 500, Deduct	-0.38
	For >500, Deduct	-0.57
	For Each LF Shade Cloth, Add	1.60



<b>General Requirements</b>			<b>01</b>
Temporary Facilities and Controls			01 50
Temporary Barriers and Enclosures			01 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0020 LF Temporary 6' High Chain Link Fence And Posts, >18 Months.....	7.77	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.43	
For >500, Deduct	-0.64	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0021 LF Temporary 8' High Chain Link Fence And Posts, >18 Months.....	11.07	
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.73	
For >500, Deduct	-1.09	
For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0022 LF Temporary 10' High Chain Link Fence And Posts, >18 Months.....	25.80	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-3.24	
For Each LF Shade Cloth, Add	4.75	
<b>01 56 26 00-0023 Temporary Chain Link Fence Gates (01 56 26 00-0001)</b>		
Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
<b>01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)</b>		
<b>01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)</b>		
01 56 26 00-0026 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	241.93	
For Each LF Shade Cloth, Add	13.62	
01 56 26 00-0027 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	410.73	
For Each LF Shade Cloth, Add	34.05	
01 56 26 00-0028 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	460.00	
For Each LF Shade Cloth, Add	40.86	
01 56 26 00-0029 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	523.55	
For Each LF Shade Cloth, Add	51.08	
01 56 26 00-0030 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	627.23	
For Each LF Shade Cloth, Add	68.11	
01 56 26 00-0031 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	698.02	
For Each LF Shade Cloth, Add	81.73	
<b>01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)</b>		
01 56 26 00-0033 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	258.96	
For Each LF Shade Cloth, Add	21.71	
01 56 26 00-0034 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	443.46	
For Each LF Shade Cloth, Add	54.27	
01 56 26 00-0035 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	497.74	
For Each LF Shade Cloth, Add	65.13	
01 56 26 00-0036 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	576.63	
For Each LF Shade Cloth, Add	81.41	
01 56 26 00-0037 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	697.11	
For Each LF Shade Cloth, Add	108.54	
01 56 26 00-0038 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	790.74	
For Each LF Shade Cloth, Add	130.25	
<b>01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)</b>		
01 56 26 00-0040 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	289.13	
For Each LF Shade Cloth, Add	30.65	
01 56 26 00-0041 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	508.05	
For Shade Cloth, Add	76.62	
01 56 26 00-0042 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	568.31	
For Shade Cloth, Add	91.94	
01 56 26 00-0043 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	650.49	
For Shade Cloth, Add	114.93	
01 56 26 00-0044 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	794.98	
For Shade Cloth, Add	153.24	
01 56 26 00-0045 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	922.14	
For Shade Cloth, Add	183.89	
<b>01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)</b>		
01 56 26 00-0047 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	350.40	
For Each LF Shade Cloth, Add	40.44	
01 56 26 00-0048 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	609.46	
For Each LF Shade Cloth, Add	101.09	
01 56 26 00-0049 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	683.14	
For Each LF Shade Cloth, Add	121.31	
01 56 26 00-0050 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	780.77	
For Each LF Shade Cloth, Add	151.64	
01 56 26 00-0051 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	954.44	
For Each LF Shade Cloth, Add	202.19	
01 56 26 00-0052 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,102.07	
For Each LF Shade Cloth, Add	242.63	
<b>01 56 26 00-0053 Temporary Chain Link Fence Gates, &gt;6 To 12 Months (01 56 26 00-0023)</b>		

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 56</b>	<b>Temporary Barriers and Enclosures</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 56 26 00-0054</b> 4' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0055 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	251.05	
For Each LF Shade Cloth, Add .....	13.62	
01 56 26 00-0056 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	424.91	
For Each LF Shade Cloth, Add .....	34.05	
01 56 26 00-0057 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	476.22	
For Each LF Shade Cloth, Add .....	40.86	
01 56 26 00-0058 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	541.79	
For Each LF Shade Cloth, Add .....	51.08	
01 56 26 00-0059 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	649.53	
For Each LF Shade Cloth, Add .....	68.11	
01 56 26 00-0060 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	722.34	
For Each LF Shade Cloth, Add .....	81.73	
<b>01 56 26 00-0061</b> 6' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0062 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	268.50	
For Each LF Shade Cloth, Add .....	21.71	
01 56 26 00-0063 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	458.29	
For Each LF Shade Cloth, Add .....	54.27	
01 56 26 00-0064 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	514.70	
For Each LF Shade Cloth, Add .....	65.13	
01 56 26 00-0065 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	595.71	
For Each LF Shade Cloth, Add .....	81.41	
01 56 26 00-0066 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	720.42	
For Each LF Shade Cloth, Add .....	108.54	
01 56 26 00-0067 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	816.17	
For Each LF Shade Cloth, Add .....	130.25	
<b>01 56 26 00-0068</b> 8' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0069 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	299.62	
For Each LF Shade Cloth, Add .....	30.65	
01 56 26 00-0070 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	524.37	
For Shade Cloth, Add .....	76.62	
01 56 26 00-0071 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	586.96	
For Shade Cloth, Add .....	91.94	
01 56 26 00-0072 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	671.47	
For Shade Cloth, Add .....	114.93	
01 56 26 00-0073 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	820.62	
For Shade Cloth, Add .....	153.24	
01 56 26 00-0074 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	950.11	
For Shade Cloth, Add .....	183.89	
<b>01 56 26 00-0075</b> 10' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0076 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	363.51	
For Each LF Shade Cloth, Add .....	40.44	
01 56 26 00-0077 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	629.86	
For Each LF Shade Cloth, Add .....	101.09	
01 56 26 00-0078 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	706.45	
For Each LF Shade Cloth, Add .....	121.31	
01 56 26 00-0079 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	807.00	
For Each LF Shade Cloth, Add .....	151.64	
01 56 26 00-0080 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	986.49	
For Each LF Shade Cloth, Add .....	202.19	
01 56 26 00-0081 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months .....	1,137.03	
For Each LF Shade Cloth, Add .....	242.63	
<b>01 56 26 00-0082</b> Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0023)</small>		
<b>01 56 26 00-0083</b> 4' High, Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0082)</small>		
01 56 26 00-0084 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	260.63	
For Each LF Shade Cloth, Add .....	13.62	
01 56 26 00-0085 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	439.81	
For Each LF Shade Cloth, Add .....	34.05	
01 56 26 00-0086 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	493.24	
For Each LF Shade Cloth, Add .....	40.86	
01 56 26 00-0087 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	560.94	
For Each LF Shade Cloth, Add .....	51.08	
01 56 26 00-0088 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	672.94	
For Each LF Shade Cloth, Add .....	68.11	
01 56 26 00-0089 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	747.88	
For Each LF Shade Cloth, Add .....	81.73	
<b>01 56 26 00-0090</b> 6' High, Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0082)</small>		
01 56 26 00-0091 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	278.51	
For Each LF Shade Cloth, Add .....	21.71	
01 56 26 00-0092 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	473.86	
For Each LF Shade Cloth, Add .....	54.27	





<b>General Requirements</b>			<b>01</b>
Temporary Facilities and Controls			01 50
Temporary Barriers and Enclosures			01 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0093 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	532.50	
For Each LF Shade Cloth, Add	65.13	
01 56 26 00-0094 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	615.73	
For Each LF Shade Cloth, Add	81.41	
01 56 26 00-0095 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	744.89	
For Each LF Shade Cloth, Add	108.54	
01 56 26 00-0096 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	842.87	
For Each LF Shade Cloth, Add	130.25	
<b>01 56 26 00-0097 8' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months (01 56 26 00-0082)</b>		
01 56 26 00-0098 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	310.63	
For Each LF Shade Cloth, Add	30.65	
01 56 26 00-0099 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	541.50	
For Shade Cloth, Add	76.62	
01 56 26 00-0100 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	606.54	
For Shade Cloth, Add	91.94	
01 56 26 00-0101 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	693.50	
For Shade Cloth, Add	114.93	
01 56 26 00-0102 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	847.54	
For Shade Cloth, Add	153.24	
01 56 26 00-0103 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	979.48	
For Shade Cloth, Add	183.89	
<b>01 56 26 00-0104 10' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months (01 56 26 00-0082)</b>		
01 56 26 00-0105 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	377.28	
For Each LF Shade Cloth, Add	40.44	
01 56 26 00-0106 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	651.28	
For Each LF Shade Cloth, Add	101.09	
01 56 26 00-0107 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	730.92	
For Each LF Shade Cloth, Add	121.31	
01 56 26 00-0108 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	834.53	
For Each LF Shade Cloth, Add	151.64	
01 56 26 00-0109 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	1,020.15	
For Each LF Shade Cloth, Add	202.19	
01 56 26 00-0110 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	1,173.75	
For Each LF Shade Cloth, Add	242.63	
<b>01 56 26 00-0111 Temporary Chain Link Fence Gates, &gt;18 Months (01 56 26 00-0023)</b>		
<b>01 56 26 00-0112 4' High, Temporary Chain Link Fence Gates, &gt;18 Months (01 56 26 00-0111)</b>		
01 56 26 00-0113 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months .....	270.21	
For Each LF Shade Cloth, Add	13.62	
01 56 26 00-0114 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months .....	454.71	
For Each LF Shade Cloth, Add	34.05	
01 56 26 00-0115 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months .....	510.27	
For Each LF Shade Cloth, Add	40.86	
01 56 26 00-0116 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months .....	580.10	
For Each LF Shade Cloth, Add	51.08	
01 56 26 00-0117 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months .....	696.35	
For Each LF Shade Cloth, Add	68.11	
01 56 26 00-0118 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months .....	773.42	
For Each LF Shade Cloth, Add	81.73	
<b>01 56 26 00-0119 6' High, Temporary Chain Link Fence Gates, &gt;18 Months (01 56 26 00-0111)</b>		
01 56 26 00-0120 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months .....	288.52	
For Each LF Shade Cloth, Add	21.71	
01 56 26 00-0121 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months .....	489.44	
For Each LF Shade Cloth, Add	54.27	
01 56 26 00-0122 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months .....	550.30	
For Each LF Shade Cloth, Add	65.13	
01 56 26 00-0123 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months .....	635.76	
For Each LF Shade Cloth, Add	81.41	
01 56 26 00-0124 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months .....	769.37	
For Each LF Shade Cloth, Add	108.54	
01 56 26 00-0125 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months .....	869.57	
For Each LF Shade Cloth, Add	130.25	
<b>01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, &gt;18 Months (01 56 26 00-0111)</b>		
01 56 26 00-0127 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months .....	321.65	
For Each LF Shade Cloth, Add	30.65	
01 56 26 00-0128 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months .....	558.63	
For Shade Cloth, Add	76.62	
01 56 26 00-0129 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months .....	626.12	
For Shade Cloth, Add	91.94	
01 56 26 00-0130 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months .....	715.52	
For Shade Cloth, Add	114.93	
01 56 26 00-0131 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months .....	874.47	
For Shade Cloth, Add	153.24	

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 56</b>	<b>Temporary Barriers and Enclosures</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0132 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	1,008.85 183.89	
<b>01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, &gt;18 Months</b> (01 56 26 00-0111)		
01 56 26 00-0134 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months <i>For Each LF Shade Cloth, Add</i>	391.04 40.44	
01 56 26 00-0135 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months <i>For Each LF Shade Cloth, Add</i>	672.69 101.09	
01 56 26 00-0136 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months <i>For Each LF Shade Cloth, Add</i>	755.40 121.31	
01 56 26 00-0137 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months <i>For Each LF Shade Cloth, Add</i>	862.07 151.64	
01 56 26 00-0138 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months <i>For Each LF Shade Cloth, Add</i>	1,053.80 202.19	
01 56 26 00-0139 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months <i>For Each LF Shade Cloth, Add</i>	1,210.46 242.63	
<b>01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable)</b> (01 56 26 00-0001) Note: Includes delivery, set-up and removal. Excludes sandbags.		
<b>01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months</b> (01 56 26 00-0140)		
01 56 26 00-0142 LF Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	6.60 -0.17 -0.34 -0.51 1.60	
01 56 26 00-0143 LF Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	7.33 -0.19 -0.38 -0.58 2.55	
01 56 26 00-0144 LF Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	10.00 -0.31 -0.62 -0.93 3.60	
<b>01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), &gt;6 To 12 Months</b> (01 56 26 00-0140)		
01 56 26 00-0146 LF Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	6.89 -0.19 -0.37 -0.56 1.60	
01 56 26 00-0147 LF Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	7.65 -0.21 -0.42 -0.62 2.55	
01 56 26 00-0148 LF Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	10.54 -0.34 -0.67 -1.01 3.60	
<b>01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), &gt;12 To 18 Months</b> (01 56 26 00-0140)		
01 56 26 00-0150 LF Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	7.18 -0.20 -0.40 -0.60 1.60	
01 56 26 00-0151 LF Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	8.02 -0.23 -0.45 -0.68 2.55	
01 56 26 00-0152 LF Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	11.15 -0.37 -0.73 -1.10 3.60	
<b>01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), &gt;18 Months</b> (01 56 26 00-0140)		
01 56 26 00-0154 LF Temporary 4' High Chain Link Fence Panels (Portable), >18 Months <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	7.55 -0.22 -0.44 -0.66 1.60	



<b>General Requirements</b>			<b>01</b>
Temporary Facilities and Controls			01 50
Temporary Barriers and Enclosures			01 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0155 LF Temporary 6' High Chain Link Fence Panels (Portable), >18 Months .....	8.39	
For >100 To 250, Deduct	-0.25	
For >250 To 500, Deduct	-0.49	
For >500, Deduct	-0.74	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0156 LF Temporary 8' High Chain Link Fence Panels (Portable), >18 Months .....	11.79	
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.80	
For >500, Deduct	-1.20	
For Each LF Shade Cloth, Add	3.60	
<b>01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags (01 56 26 00-0140)</b>		
01 56 26 00-0158 BAG Temporary Chain Link Fence Panels (Portable) Sandbag.....	6.20	
Note: Includes placement and removal.		
<b>01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels (01 56 26 00-0001)</b>		
Note: Excludes auguring/drilling for posts.		
<b>01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site (01 56 26 00-0159)</b>		
01 56 26 00-0161 LF Relocate Temporary 4' High Chain Link Fence And Posts .....	3.40	
01 56 26 00-0162 LF Relocate Temporary 6' High Chain Link Fence And Posts .....	5.09	
01 56 26 00-0163 LF Relocate Temporary 8' High Chain Link Fence And Posts .....	7.35	
01 56 26 00-0164 LF Relocate Temporary 10' High Chain Link Fence And Posts .....	9.05	
<b>01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site (01 56 26 00-0159)</b>		
01 56 26 00-0166 LF Relocate Temporary 4' High Chain Link Fence Panel, Self Standing .....	0.79	
01 56 26 00-0167 LF Relocate Temporary 6' High Chain Link Fence Panel, Self Standing .....	0.95	
01 56 26 00-0168 LF Relocate Temporary 8' High Chain Link Fence Panel, Self Standing .....	1.07	
<b>01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site (01 56 26 00-0159)</b>		
01 56 26 00-0170 EA Relocate Temporary 4' High Chain Link Vehicle Gate And Posts.....	103.13	
01 56 26 00-0171 EA Relocate Temporary 6' High Chain Link Vehicle Gate And Posts.....	119.00	
01 56 26 00-0172 EA Relocate Temporary 8' High Chain Link Vehicle Gate And Posts.....	146.77	
01 56 26 00-0173 EA Relocate Temporary 10' High Chain Link Vehicle Gate And Posts.....	158.68	
<b>01 56 26 00-0174 Temporary Safety Fence (01 56 26)</b>		
Note: Includes removal after use.		
01 56 26 00-0175 LF 48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence .....	3.47	
<b>01 56 29 Temporary Protective Walkways (01 56)</b>		
<b>01 56 29 00-0001 Temporary Sidewalk Bridge Protection (01 56 29)</b>		
Note: Includes removal after use.		
<b>01 56 29 00-0002 Installation of Sidewalk Bridge (01 56 29 00-0001)</b>		
01 56 29 00-0003 LF Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly .....	159.16	
Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
For 3 Post System, Add	6.00	
For Each Additional Foot Over 8' Wide, Add	3.00	
For Each Additional Foot Over 8' High, Add	2.00	
01 56 29 00-0004 LF Installation of Netting for Sidewalk Bridge .....	4.05	
<b>01 56 29 00-0005 Monthly Rental of Sidewalk Bridge (01 56 29 00-0001)</b>		
01 56 29 00-0006 LF Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Assembly .....	13.92	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	2.09	
01 56 29 00-0007 LF Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	15.68	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	2.35	
01 56 29 00-0008 LF Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	17.42	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	2.61	
01 56 29 00-0009 LF Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly .....	17.42	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	2.61	
01 56 29 00-0010 LF Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly .....	19.15	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	2.87	
01 56 29 00-0011 LF Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	22.66	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	3.40	

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 56</b>	<b>Temporary Barriers and Enclosures</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 29 00-0012	LF		Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	20.92	
			Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
			For 3 Post System, Add	3.14	
01 56 29 00-0013	LF		Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	24.40	
			Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
			For 3 Post System, Add	3.66	
01 56 29 00-0014	LF		Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	26.11	
			Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
			For 3 Post System, Add	3.92	
01 56 29 00-0015	LF		Monthly Rental of Netting for Sidewalk Bridge.....	2.61	
<b>01 56 29 00-0016</b>			<b>Removal of Sidewalk Bridge (01 56 29 00-0001)</b>		
01 56 29 00-0017	LF		Removal Of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	33.13	
			Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
			For 3 Post System, Add	2.50	
			For Each Additional Foot Over 8' Wide, Add	1.25	
			For Each Additional Foot Over 8' High, Add	0.75	
01 56 29 00-0018	LF		Removal Of Netting For Sidewalk Bridge.....	2.03	
<b>01 56 29 00-0019</b>			<b>Temporary Safety Nets (01 56 29)</b>		
			Note: Includes removal after use.		
01 56 29 00-0020	SF		Small Mesh Debris Netting.....	2.03	
			Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		
<b>01 56 33</b>			<b>Temporary Security Barriers (01 56)</b>		
<b>01 56 33 00-0001</b>			<b>Board-up Opening With Plywood (01 56 33)</b>		
			Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0002	OPN		Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day.....	11.91	
01 56 33 00-0003	SF		5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening.....	8.07	
01 56 33 00-0004	SF		3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening.....	9.33	
<b>01 56 33 00-0005</b>			<b>Temporary Pedestrian Barricade (01 56 33)</b>		
			Note: Portable, interlocking galvanized steel fence with pivoting legs.		
01 56 33 00-0006	DAY		3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	13.01	
01 56 33 00-0007	WK		3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	31.59	
01 56 33 00-0008	MO		3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	94.77	
<b>01 56 39</b>			<b>Temporary Tree and Plant Protection (01 56)</b>		
<b>01 56 39 00-0001</b>			<b>Temporary Tree Guards (01 56 39)</b>		
			Note: Includes digging holes and removal after use.		
01 56 39 00-0002	EA		Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	177.50	
01 56 39 00-0003	EA		4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	211.70	
01 56 39 00-0004	EA		6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	230.35	
<b>01 57</b>			<b>Temporary Controls (01 50)</b>		
<b>01 57 13</b>			<b>Temporary Erosion and Sediment Control (01 57)</b>		
			See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.		
<b>01 57 23</b>			<b>Temporary Storm Water Pollution Control (01 57)</b>		
			See CSI section 31 25 00 00-0000 for temporary storm water pollution control.		
<b>01 57 23 00-0001</b>			<b>Temporary Drain Guard (01 57 23)</b>		
			Note: Includes removal after use.		
01 57 23 00-0002	EA		36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227).....	99.39	
01 57 23 00-0003	EA		36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217).....	97.47	
			Note: Up to 0.87 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0004	EA		36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219).....	124.40	
			Note: Up to 1.38 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0005	EA		60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356).....	122.47	
			Note: Up to 1.55 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0006	EA		60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358).....	151.33	
			Note: Up to 2.06 gallons oil, up to 40 lbs sediment.		
<b>01 58</b>			<b>Project Identification (01 50)</b>		
			Note: Includes removal after use.		
<b>01 58 13</b>			<b>Temporary Project Signage (01 58)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 58 13 00-0001 Project Sign <small>(01 58 13)</small>		
01 58 13 00-0002 MDO Plywood Signs <small>(01 58 13 00-0001)</small> Note: Excludes posts.		
01 58 13 00-0003 Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0002)</small>		
01 58 13 00-0004 Engineer Grade, Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0003)</small>		
01 58 13 00-0005 EA Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign ..... <i>For High-Intensity Grade, Add</i> ..... <i>For Diamond Grade, Add</i> .....	158.82 40.31 77.75	21.82
01 58 13 00-0006 EA >8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign ..... <i>For High-Intensity Grade, Add</i> ..... <i>For Diamond Grade, Add</i> .....	275.99 80.63 155.50	22.81
01 58 13 00-0007 EA >16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign ..... <i>For High-Intensity Grade, Add</i> ..... <i>For Diamond Grade, Add</i> .....	393.16 120.94 233.25	23.80
01 58 13 00-0008 EA >24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign ..... <i>For High-Intensity Grade, Add</i> ..... <i>For Diamond Grade, Add</i> .....	510.33 161.26 310.99	24.80
01 58 13 00-0009 SF >32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign ..... <i>For High-Intensity Grade, Add</i> ..... <i>For Diamond Grade, Add</i> .....	15.99 5.04 9.72	0.79
01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0002)</small>		
01 58 13 00-0011 One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0010)</small>		
01 58 13 00-0012 EA Up To 8 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign.....	199.91	21.82
01 58 13 00-0013 EA >8 To 16 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....	239.19	22.81
01 58 13 00-0014 EA >16 To 24 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....	300.67	23.80
01 58 13 00-0015 EA >24 To 32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....	358.70	24.80
01 58 13 00-0016 SF >32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign.....	11.25	0.79
01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0010)</small>		
01 58 13 00-0018 EA Up To 8 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign.....	204.31	21.82
01 58 13 00-0019 EA >8 To 16 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	262.91	22.81
01 58 13 00-0020 EA >16 To 24 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	324.77	23.80
01 58 13 00-0021 EA >24 To 32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	379.36	24.80
01 58 13 00-0022 SF >32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	11.89	0.79
01 58 13 00-0023 Fabricate And Install New Posts <small>(01 58 13 00-0001)</small> Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024 LF Galvanized Metal Channel Sign Posts.....	15.32	
01 58 13 00-0025 LF 4" x 4" Pressure Treated Wood Sign Posts .....	12.18	
01 58 13 00-0026 LF 4" x 6" Pressure Treated Wood Sign Posts .....	14.87	
01 58 13 00-0027 Owner Supplied Signs <small>(01 58 13 00-0001)</small>		
01 58 13 00-0028 EA Installation And Removal Of Owner Supplied Project Sign.....	79.34	

01 60 Product Requirements (01)

01 66 Product Storage and Handling Requirements (01 60)

**01 66 19 Product Handling Requirements** (01 66)  
Note: Not for use in conjunction with other tasks when the distance is less than 2 stories or less than 125'.

01 66 19 00-0001 Transfer Delivered Materials Between Floors <small>(01 66 19)</small> Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0002 CY Transfer Delivered Material Between Floors Via Stairs, Per Floor..... Note: Quantity equals volume of materials multiplied by number of floors traveled.	15.26	
01 66 19 00-0003 CY Transfer Delivered Material Between Floors Via Elevator, Per Trip..... Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	9.92	
01 66 19 00-0004 Transfer Delivered Materials Distances Greater Than 125' <small>(01 66 19)</small> Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0005 CY Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125' .....	6.19	
01 66 19 00-0006 Transfer Demolition Debris Between Floors <small>(01 66 19)</small> Note: Only for use with demolition tasks.		
01 66 19 00-0007 CY Transfer Demolition Debris Between Floors Via Stairs, Per Floor .....	15.26	
01 66 19 00-0008 CY Transfer Demolition Debris Between Floors Via Elevator, Per Trip .....	9.92	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 60</b>	<b>Product Requirements</b>
	<b>01 66</b>	<b>Product Storage and Handling Requirements</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 66 19 00-0009	<b>Transfer Demolition Debris Distances Greater Than 125'</b> <small>(01 66 19)</small> Note: Only for use with demolition tasks.	
01 66 19 00-0010	CY Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'.....	6.19
01 66 19 00-0011	<b>Moving Furniture And Furnishings</b> <small>(01 66 19)</small> Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.	
01 66 19 00-0012	SF Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings..... Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	0.99

**01 70 Execution and Closeout Requirements** (01)

**01 71 Examination and Preparation** (01 70)

**01 71 13 Mobilization** (01 71)

01 71 13 00-0001	<b>Equipment Delivery, Pickup, Mobilization And Demobilization</b> <small>(01 71 13)</small> Note: Excludes flagman for traffic control where necessary.	
01 71 13 00-0002	EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck ..... Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	469.21
01 71 13 00-0003	EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed..... Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	1,546.46

**01 71 13 00-0004 Crane Delivery, Pickup, Mobilization And Demobilization** (01 71 13)

Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.

01 71 13 00-0005	EA Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	500.48
	<i>For &gt;30 To 60 Miles Radius, Add</i>	125.12
	<i>For &gt;60 To 100 Miles Radius, Add</i>	200.19
01 71 13 00-0006	EA >20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	813.29
	<i>For &gt;30 To 60 Miles Radius, Add</i>	203.32
	<i>For &gt;60 To 100 Miles Radius, Add</i>	325.32
01 71 13 00-0007	EA >40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	1,126.10
	<i>For &gt;30 To 60 Miles Radius, Add</i>	281.53
	<i>For &gt;60 To 100 Miles Radius, Add</i>	450.44
01 71 13 00-0008	EA >70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	1,814.27
	<i>For &gt;30 To 60 Miles Radius, Add</i>	453.57
	<i>For &gt;60 To 100 Miles Radius, Add</i>	725.71
01 71 13 00-0009	EA >110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	2,277.22
	<i>For &gt;30 To 60 Miles Radius, Add</i>	569.31
	<i>For &gt;60 To 100 Miles Radius, Add</i>	910.89
01 71 13 00-0010	EA >125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	2,834.02
	<i>For &gt;30 To 60 Miles Radius, Add</i>	708.51
	<i>For &gt;60 To 100 Miles Radius, Add</i>	1,133.61
01 71 13 00-0011	EA >150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	3,265.69
	<i>For &gt;30 To 60 Miles Radius, Add</i>	816.42
	<i>For &gt;60 To 100 Miles Radius, Add</i>	1,306.28
01 71 13 00-0012	EA >185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	3,653.57
	<i>For &gt;30 To 60 Miles Radius, Add</i>	913.39
	<i>For &gt;60 To 100 Miles Radius, Add</i>	1,461.43
01 71 13 00-0013	EA 75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane ..... Note: Includes delivery, rigging and pickup.	1,939.39
	<i>For &gt;30 To 60 Miles Radius, Add</i>	484.85
	<i>For &gt;60 To 100 Miles Radius, Add</i>	775.76
01 71 13 00-0014	EA 100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane ..... Note: Includes delivery, rigging and pickup.	3,065.50
	<i>For &gt;30 To 60 Miles Radius, Add</i>	766.38
	<i>For &gt;60 To 100 Miles Radius, Add</i>	1,226.20
01 71 13 00-0015	EA 125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane ..... Note: Includes delivery, rigging and pickup.	3,878.78
	<i>For &gt;30 To 60 Miles Radius, Add</i>	969.70
	<i>For &gt;60 To 100 Miles Radius, Add</i>	1,551.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0016 EA 150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	4,817.20	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	1,204.30	
For >60 To 100 Miles Radius, Add	1,926.88	
01 71 13 00-0017 EA 200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	6,005.86	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	1,501.47	
For >60 To 100 Miles Radius, Add	2,402.34	
01 71 13 00-0018 EA 250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	7,006.84	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	1,751.71	
For >60 To 100 Miles Radius, Add	2,802.74	
01 71 13 00-0019 EA 300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	10,009.77	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	2,502.44	
For >60 To 100 Miles Radius, Add	4,003.91	
01 71 13 00-0020 EA 500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	13,725.89	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	3,431.47	
For >60 To 100 Miles Radius, Add	5,490.36	
 <b>01 71 23 Field Engineering (01 71)</b>		
<b>01 71 23 16 Construction Surveying (01 71 23)</b>		
<b>01 71 23 16-0001 Conventional Topographic Survey (01 71 23 16)</b>		
Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.		
01 71 23 16-0002 ACR Conventional Topographic Survey Of Clear Area With Few To No Obstacles.....	1,164.27	
01 71 23 16-0003 ACR Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings).....	3,228.87	
01 71 23 16-0004 ACR Conventional Topographic Survey Of Clear Area With Few Structures, And/Or Wooded (5-25% Buildings).....	4,639.43	
01 71 23 16-0005 ACR Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings).....	6,955.69	
01 71 23 16-0006 ACR Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings).....	8,700.46	
 <b>01 71 23 16-0007 Property Lines Survey (01 71 23 16)</b>		
Note: Not to be added to tasks in the "Conventional Topographic Survey" section.		
01 71 23 16-0008 LF Survey Property Lines On Cleared Land.....	2.56	
01 71 23 16-0009 LF Survey Property Lines On Slightly Wooded Land.....	2.97	
01 71 23 16-0010 LF Survey Property Lines On Wooded Land.....	3.46	
 <b>01 71 23 16-0011 Survey Monument (01 71 23 16)</b>		
01 71 23 16-0012 EA 3' Precast Survey Monument.....	185.06	
For Owner Furnished Monument, Deduct	-72.22	
01 71 23 16-0013 EA Precast Survey Monument Box With Cast Iron Frame And Cover.....	277.59	
01 71 23 16-0014 EA Riser Ring For Survey Monument.....	143.61	
01 71 23 16-0015 EA Adjust Survey Monument Cover To Grade.....	216.65	
 <b>01 71 23 16-0016 Facade Surveying (01 71 23 16)</b>		
01 71 23 16-0017 LF Facade Survey And Reports (LF Of Facade x Number Of Floors).....	7.01	
 <b>01 71 23 16-0018 Utility Survey (01 71 23 16)</b>		
Note: This survey is only for the location of underground utilities.		
01 71 23 16-0019 ACR Survey Clear Area For Underground Utilities.....	5,911.91	
 <b>01 71 23 16-0020 GPR Bridge Deck And Pavement Inspection (01 71 23 16)</b>		
<b>01 71 23 16-0021 GPR Bridge Deck And Pavement Inspection Mobilization Fee (01 71 23 16-0020)</b>		
Note: One mobilization per project.		
01 71 23 16-0022 EA GPR Bridge Deck And Pavement Inspection Mobilization Fee.....	3,611.20	
 <b>01 71 23 16-0023 Bridge Deck Delamination Survey, GPR Bridge Deck Inspection (01 71 23 16-0020)</b>		
Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0024 EA Survey Fee, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	2,708.40	
01 71 23 16-0025 SF Up To 5,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	1.14	
01 71 23 16-0026 SF >5,000 To 10,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	0.90	
01 71 23 16-0027 SF >10,000 To 25,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	0.72	
01 71 23 16-0028 SF >25,000 To 50,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	0.54	
01 71 23 16-0029 SF >50,000 To 100,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	0.43	
01 71 23 16-0030 SF >100,000 To 250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	0.34	
01 71 23 16-0031 SF >250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	0.25	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 70</b>	<b>Execution and Closeout Requirements</b>
	<b>01 71</b>	<b>Examination and Preparation</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 71 23 16-0032	<b>Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection</b> <small>(01 71 23 16-0020)</small> Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.	
01 71 23 16-0033	EA Survey Fee, Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection .....	902.80
01 71 23 16-0034	SF Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection .....	0.05

01 71 23 16-0035	<b>Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection</b> <small>(01 71 23 16-0020)</small> Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.	
01 71 23 16-0036	EA Survey Fee, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection.....	902.80
01 71 23 16-0037	SF Up To 5,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection.....	0.42
01 71 23 16-0038	SF >5,000 To 10,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection .....	0.33
01 71 23 16-0039	SF >10,000 To 25,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection .....	0.25
01 71 23 16-0040	SF >25,000 To 50,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection .....	0.20
01 71 23 16-0041	SF >50,000 To 100,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection .....	0.16
01 71 23 16-0042	SF >100,000 To 250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection .....	0.13
01 71 23 16-0043	SF >250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection .....	0.09

01 71 23 16-0044	<b>Pavement Structure And Thickness Measurement, GPR Pavement Inspection</b> <small>(01 71 23 16-0020)</small> Note: Each project will use one task for the length of the pavement surveyed.	
01 71 23 16-0045	LM Up To 4 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection.....	6,713.22
01 71 23 16-0046	LM >4 To 9 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection .....	2,926.88
01 71 23 16-0047	LM >9 To 49 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection .....	2,179.36
01 71 23 16-0048	LM >49 To 99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection .....	1,189.89
01 71 23 16-0049	LM >99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection .....	935.30

01 71 23 16-0050	<b>Pavement Thickness Contour (Mapping), GPR Pavement Inspection</b> <small>(01 71 23 16-0020)</small> Note: Each project will use one task for the length of the pavement surveyed.	
01 71 23 16-0051	LM Up To 4 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection .....	8,542.29
01 71 23 16-0052	LM >4 To 9 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection .....	4,017.46
01 71 23 16-0053	LM >9 To 49 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection .....	3,051.46
01 71 23 16-0054	LM >49 To 99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection .....	1,709.90
01 71 23 16-0055	LM >99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection .....	1,352.39

01 71 23 16-0056	<b>Pavement Void Detection (Mapping), GPR Pavement Inspection</b> <small>(01 71 23 16-0020)</small> Note: Each project will use one task for the length of the pavement surveyed.	
01 71 23 16-0057	LM Up To 4 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection .....	10,143.86
01 71 23 16-0058	LM >4 To 9 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection .....	4,970.82
01 71 23 16-0059	LM >9 To 49 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection .....	3,813.43
01 71 23 16-0060	LM >49 To 99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection .....	2,164.91
01 71 23 16-0061	LM >99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection .....	1,715.32

01 71 23 16-0062	<b>Drone Survey (Extreme Aerial Productions)</b> <small>(01 71 23 16)</small> Note: Thermographic services to electrical line grid inspections.	
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01 71 23 16-0063	<b>Mobilization For Drone Surveying</b> <small>(01 71 23 16-0062)</small>	
01 71 23 16-0064	EA Mobilization For Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing.....	242.72
01 71 23 16-0065	EA Mobilization For > 1000 Acres Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing .....	606.79
01 71 23 16-0066	EA Mobilization For Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter .....	161.81
01 71 23 16-0067	EA Mobilization For Drone Road Survey For Topography/Progression/Inspection .....	323.62
01 71 23 16-0068	EA Mobilization For Drone Survey Stockpile .....	161.81
01 71 23 16-0069	EA Mobilization For Drone Inspection.....	161.81
01 71 23 16-0070	EA Mobilization For Qualitative Drone Thermal Inspection.....	323.62
01 71 23 16-0071	EA Mobilization For Quantitative Drone Thermal Inspection .....	404.52
01 71 23 16-0072	EA Mobilization For Drone Agricultural Multispectral Survey .....	647.24
01 71 23 16-0073	EA Mobilization For Drone Building Inspection/Scan/Thermal.....	485.43
01 71 23 16-0074	EA Mobilization For Drone 3D Modelling .....	404.52
01 71 23 16-0075	EA Mobilization For Drone Spraying Crops Or Sanitation .....	728.14
01 71 23 16-0076	EA Mobilization For Drone Video Progression/Marketing .....	161.81
01 71 23 16-0077	EA Mobilization For Drone Pictures Progression/Marketing .....	161.81
01 71 23 16-0078	EA Mobilization For Drone Training, Flying, Test Prep, Equipment Checks .....	161.81
01 71 23 16-0079	EA Mobilization For Drone Accident Reconstruction .....	161.81
01 71 23 16-0080	EA Mobilization For Drone Landfill Survey .....	242.72
01 71 23 16-0081	EA Mobilization For Drone Event Security Using Tethered Drones.....	323.62
01 71 23 16-0082	EA Mobilization For Drone Emergency Response.....	809.05
01 71 23 16-0083	EA Mobilization For Drone Cell Tower Inspection .....	242.72

01 71 23 16-0084	<b>Drone Surveying</b> <small>(01 71 23 16-0062)</small>	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0085 HR Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing ..... 590.61 Note: 3 hour minimum For Visual Observation, Add 161.81 For Additional Manpower, Add 161.81	590.61	
01 71 23 16-0086 HR > 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing ..... 752.42 For Visual Observation, Add 242.72 For Additional Manpower, Add 194.17	752.42	
01 71 23 16-0087 HR Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter ..... 485.43 Note: 3 hour minimum For Visual Observation, Add 161.81 For Additional Manpower, Add 161.81	485.43	
01 71 23 16-0088 HR Drone Road Survey For Topography/Progression/Inspection ..... 566.34 Note: 3 hour minimum For Visual Observation, Add 242.72 For Additional Manpower, Add 161.81	566.34	
01 71 23 16-0089 HR Drone Survey Stockpile ..... 404.52 Note: 3 hour minimum For Visual Observation, Add 161.81 For Additional Manpower, Add 161.81	404.52	
01 71 23 16-0090 HR Drone Inspection ..... 566.34 Note: 3 hour minimum For Visual Observation, Add 161.81 For Additional Manpower, Add 161.81	566.34	
01 71 23 16-0091 HR Qualitative Drone Thermal Inspection ..... 647.24 Note: 5 hour minimum For Visual Observation, Add 242.72 For Additional Manpower, Add 161.81	647.24	
01 71 23 16-0092 HR Quantitative Drone Thermal Inspection ..... 970.86 Note: 5 hour minimum For Visual Observation, Add 242.72 For Additional Manpower, Add 161.81	970.86	
01 71 23 16-0093 HR Drone Agricultural Multispectral Survey ..... 728.14 Note: 6 hour minimum For Visual Observation, Add 161.81 For Additional Manpower, Add 161.81	728.14	
01 71 23 16-0094 HR Drone Building Inspection/Scan/Thermal ..... 647.24 Note: 3 hour minimum For Visual Observation, Add 242.72 For Additional Manpower, Add 161.81	647.24	
01 71 23 16-0095 HR Drone 3D Modelling ..... 485.43 Note: 3 hour minimum For Visual Observation, Add 242.72 For Additional Manpower, Add 161.81	485.43	
01 71 23 16-0096 HR Drone Spraying Crops Or Sanitation ..... 647.24 Note: 3 hour minimum For Visual Observation, Add 202.26 For Additional Manpower, Add 161.81	647.24	
01 71 23 16-0097 HR Drone Video Progression/Marketing ..... 323.62 Note: 2 hour minimum For Visual Observation, Add 161.81 For Additional Manpower, Add 161.81	323.62	
01 71 23 16-0098 HR Drone Pictures Progression/Marketing ..... 242.72 Note: 2 hour minimum For Visual Observation, Add 161.81 For Additional Manpower, Add 161.81	242.72	
01 71 23 16-0099 HR Drone Training, Flying, Test Prep, Equipment Checks ..... 485.43 Note: 3 hour minimum	485.43	
01 71 23 16-0100 HR Drone Accident Reconstruction ..... 728.14 Note: 2 hour minimum For Visual Observation, Add 161.81 For Additional Manpower, Add 161.81	728.14	
01 71 23 16-0101 HR Drone Landfill Survey ..... 590.61 Note: 3 hour minimum For Visual Observation, Add 161.81 For Additional Manpower, Add 161.81	590.61	
01 71 23 16-0102 HR Drone Event Security Using Tethered Drones ..... 404.52 Note: 3 hour minimum For Visual Observation, Add 161.81 For Additional Manpower, Add 161.81	404.52	
01 71 23 16-0103 HR Drone Emergency Response ..... 404.52 Note: 3 hour minimum For Visual Observation, Add 242.72 For Additional Manpower, Add 161.81	404.52	
01 71 23 16-0104 HR Drone Cell Tower Inspection ..... 404.52 Note: 3 hour minimum For Visual Observation, Add 202.26 For Additional Manpower, Add 161.81	404.52	
<b>01 71 23 16-0105 Utilization And Deliverables For Drone Surveying (01 71 23 16-0062)</b>		
01 71 23 16-0106 Day Utilization Of GPS Ground Control For Drone Surveying ..... 404.52	404.52	
01 71 23 16-0107 Day Utilization Of GPS Base Station Per Day For Drone Surveying ..... 404.52	404.52	
01 71 23 16-0108 HR Processing And Data Deliverables And Reporting For Drone Surveying ..... 161.81 Note: 2 hour minimum	161.81	
01 71 23 16-0109 HR Processing And Data Deliverables And Reporting Of Thermal For Drone Surveying ..... 323.62 Note: 3 hour minimum	323.62	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 70</b>	<b>Execution and Closeout Requirements</b>
	<b>01 71</b>	<b>Examination and Preparation</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>01 71 23 16-0110</b>	<b>Travel, Waivers, And Editing For Drone Surveying</b> <small>(01 71 23 16-0062)</small>	
01 71 23 16-0111	MI Travel Over 100 Miles For Drone Surveying.....	0.93
	Note: For additional miles over 100	
01 71 23 16-0112	EA Overnight Stay Per Person For Drone Surveying .....	202.26
01 71 23 16-0113	EA Waiver Utilization B, C, D, And E For Drone Surveying.....	80.90
	Note: Restricted airspace	
01 71 23 16-0114	EA Night Waiver For Drone Surveying .....	105.18
01 71 23 16-0115	EA Flying Over People Waiver For Drone Surveying .....	161.81
01 71 23 16-0116	EA Beyond Visual Line Of Sight (BVLOS) Waiver For Drone Surveying.....	809.05
01 71 23 16-0117	HR Editing Video For Drone Surveying.....	161.81
	Note: 2 hour minimum	
01 71 23 16-0118	HR Editing Pictures For Drone Surveying.....	80.90
	Note: 2 hour minimum	
01 71 23 16-0119	HR Custom Post Processing For Drone Surveying.....	242.72
	Note: 3 hour minimum	

**01 71 36 Non-Destructive Concrete Examination** (01 71)

<b>01 71 36 00-0001</b>	<b>Electromagnetic Survey</b> <small>(01 71 36)</small>	
	Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).	
<b>01 71 36 00-0002</b>	<b>Electromagnetic (SIR/GPR) Survey</b> <small>(01 71 36 00-0001)</small>	
01 71 36 00-0003	EA Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,044.36
01 71 36 00-0004	EA >1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,566.54
01 71 36 00-0005	EA >4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	3,133.08
<b>01 71 36 00-0006</b>	<b>Reports And Mapping For Electromagnetic (SIR/GPR) Surveys</b> <small>(01 71 36 00-0001)</small>	
01 71 36 00-0007	EA Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	348.12
	Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	
01 71 36 00-0008	EA GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	696.24
	Note: Includes GPS coordinates of located items and reference items.	
01 71 36 00-0009	EA CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,566.54
	Note: Includes additions to the owner provided CAD drawing.	

**01 74 Cleaning and Waste Management** (01 70)

**01 74 13 Progress Cleaning** (01 74)

Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.

<b>01 74 13 00-0001</b>	<b>General</b> <small>(01 74 13)</small>	
01 74 13 00-0002	CSF Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent.....	19.86
01 74 13 00-0003	CY Collect Existing Debris And Load Into Truck Or Dumpster .....	23.27
	Note: Per CY of debris removed.	

**01 74 16 Site Maintenance** (01 74)

<b>01 74 16 00-0001</b>	<b>Parking Lot, Roads And Pathway Maintenance</b> <small>(01 74 16)</small>	
	Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Tasks not to be used in conjunction with related installation/demolition tasks in the Construction Task Catalog®.	
<b>01 74 16 00-0002</b>	<b>Parking Lot, Road, And Street Sweeping</b> <small>(01 74 16 00-0001)</small>	
01 74 16 00-0003	MSF Sweep Parking Lot, With Street Sweeper .....	21.53
01 74 16 00-0004	MSF Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads.....	25.84

**01 74 19 Construction Waste Management and Disposal** (01 74)

Note: Tasks in this section shall be used as directed by owner.

<b>01 74 19 00-0001</b>	<b>Debris Chutes</b> <small>(01 74 19)</small>	
	Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.	
<b>01 74 19 00-0002</b>	<b>Steel Temporary Debris Chutes</b> <small>(01 74 19 00-0001)</small>	
01 74 19 00-0003	LF 18" Diameter, Steel Temporary Debris Chute.....	37.50
01 74 19 00-0004	LF 30" Diameter, Steel Temporary Debris Chute.....	57.16
<b>01 74 19 00-0005</b>	<b>Plastic Temporary Debris Chutes</b> <small>(01 74 19 00-0001)</small>	
01 74 19 00-0006	LF 24" Diameter, Plastic Temporary Debris Chute .....	14.85
	For Steel Liner, Add	2.95
01 74 19 00-0007	LF 30" Diameter, Plastic Temporary Debris Chute .....	17.03
	For Steel Liner, Add	3.39



<b>General Requirements</b>	<b>01</b>	<b>10</b>
<b>Execution and Closeout Requirements</b>	<b>01 70</b>	
<b>Cleaning and Waste Management</b>	<b>01 74</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0008 LF 36" Diameter, Plastic Temporary Debris Chute ..... <i>For Steel Liner, Add</i>	19.20 3.82	
<b>01 74 19 00-0009 Wood Temporary Debris Chutes</b> (01 74 19 00-0001)		
01 74 19 00-0010 LF 4' x 4', Wood Temporary Debris Chute ..... Note: Includes fabrication and installation.	29.69	
<b>01 74 19 00-0011 Construction Dumpsters Rental</b> (01 74 19)		
Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.		
01 74 19 00-0012 EA 10 CY Dumpster (1.5 Ton) "Construction Debris" ..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	619.98 105.00	
01 74 19 00-0013 EA 15 CY Dumpster (1.5 Ton) "Construction Debris" ..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	619.99 105.00	
01 74 19 00-0014 EA 20 CY Dumpster (3 Ton) "Construction Debris" ..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	665.00 105.00	
01 74 19 00-0015 EA 30 CY Dumpster (4 Ton) "Construction Debris" ..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	839.98 105.00	
01 74 19 00-0016 EA 40 CY Dumpster (6 Ton) "Construction Debris" ..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	940.00 105.00	
01 74 19 00-0017 EA 10 CY Low-Boy Dumpster "Concrete Or Asphalt Only" ..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.	940.00	
01 74 19 00-0018 EA 15 CY Low-Boy Dumpster Clean Recyclable ..... Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	899.71	
01 74 19 00-0019 EA 15 CY Low-Boy Dumpster Mixed Recyclable ..... Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	966.85	
<b>01 74 19 00-0020 Concrete Washout Service</b> (01 74 19)		
01 74 19 00-0021 MO Ramplless Concrete Washout Bin ..... Note: Includes delivery.	572.29	
01 74 19 00-0022 MO Ramped Concrete Washout Bin ..... Note: Includes delivery.	686.75	
01 74 19 00-0023 EA Interim Vacuum Service, Concrete Washout Bin ..... Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	575.40	
01 74 19 00-0024 EA Vacuum, Pickup, Swap And Dump, Concrete Washout Bin ..... Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.	1,246.70	
<b>01 74 19 00-0025 Debris Processing Fee</b> (01 74 19)		
<b>01 74 19 00-0026 Material Recycling Fees</b> (01 74 19 00-0025)		
Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.		
01 74 19 00-0027 CY Drop-Off Asphalt At Recycling Center .....	51.48	
01 74 19 00-0028 CY Drop-Off Non Reinforced Concrete At Recycling Center .....	68.97	
01 74 19 00-0029 CY Drop-Off Reinforced Concrete At Recycling Center.....	103.45	
01 74 19 00-0030 CY Drop-Off Brick Or Block At Recycling Center.....	89.65	
01 74 19 00-0031 CY Drop-Off Dirt At Recycling Center.....	100.00	
01 74 19 00-0032 CY Drop-Off Dimensional Lumber At Recycling Center.....	96.55	
<b>01 74 19 00-0033 Landfill Dump Fees</b> (01 74 19 00-0025)		
Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling.		
01 74 19 00-0034 CY Traditional Building Construction Materials Landfill Dump Fee.....	45.89	
01 74 19 00-0035 TON Traditional Building Construction Materials, Landfill Dump Fee.....	200.00	
01 74 19 00-0036 CY Trees, Stumps And Brush, Landfill Dump Fee.....	55.24	
01 74 19 00-0037 CY Hazardous Materials And Rubbish Landfill Dump Fee ..... Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.	131.73	
01 74 19 00-0038 CY Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee .....	93.60	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 70</b>	<b>Execution and Closeout Requirements</b>
	<b>01 74</b>	<b>Cleaning and Waste Management</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 74 19 00-0039</b> <b>Hauling</b> <small>(01 74 19)</small> Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0040    CYM Hauling On Paved Roads, First 15 Miles .....	0.97	
01 74 19 00-0041    CYM Hauling On Paved Roads, Miles Over Initial 15 Miles.....	0.65	
01 74 19 00-0042    CYM Hauling On Unimproved Roads, First 15 Miles .....	1.50	
01 74 19 00-0043    CYM Hauling On Unimproved Roads, Miles Over Initial 15 Miles.....	1.17	
 <b>01 74 23</b> <b>Final Cleaning</b> <small>(01 74)</small>		
<b>01 74 23 00-0001</b> <b>Cleaning Of Glass</b> <small>(01 74 23)</small>		
01 74 23 00-0002    CSF Cleaning Of Existing Glass Surfaces.....	27.27	

**END OF SECTION 01**



<b>Existing Conditions</b>	<b>02</b>	<b>02</b>
Assessment	02 20	
Existing Material Assessment	02 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 02 Existing Conditions

### 02 20 Assessment <sup>(02)</sup>

#### 02 25 Existing Material Assessment <sup>(02 20)</sup>

##### **02 25 16 Existing Concrete, Masonry or Asphalt Assessment** <sup>(02 25)</sup>

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

##### **02 25 16 13 Concrete Assessment Drilling** <sup>(02 25 16)</sup>

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

### 02 30 Subsurface Investigation <sup>(02)</sup>

#### 02 32 Geotechnical Investigations <sup>(02 30)</sup>

##### **02 32 13 Subsurface Drilling and Sampling** <sup>(02 32)</sup>

See CSI section 01 45 23 00-0000 for testing and lab reports.

##### 02 32 13 00-0001 Mobilization Of Drilling Crew <sup>(02 32 13)</sup>

02 32 13 00-0002 EA Mobilization Of Drilling Crew ..... 1,151.41

##### 02 32 13 00-0003 Auger Borings <sup>(02 32 13)</sup>

02 32 13 00-0004 LF Standard Auger Hole With Split Spoon Sample At 5' Intervals ..... 34.68

##### 02 32 13 00-0005 Cased Borings In Earth, With Samples <sup>(02 32 13)</sup>

Note: All types of soils.

02 32 13 00-0006 LF 2-1/2" Diameter Cased Borings In Earth, With Samples ..... 88.84

02 32 13 00-0007 LF 4" Diameter Cased Borings In Earth, With Samples ..... 151.94

##### 02 32 13 00-0008 Drilling In Rock, BW Core (2.125") <sup>(02 32 13)</sup>

02 32 13 00-0009 LF Drill In Rock, BW Core, With Casing ..... 93.97

Note: Includes sampling.

02 32 13 00-0010 EA Drill In Rock, With BW Core Boxes ..... 8.88

##### 02 32 13 00-0011 Drilling In Rock, NW Core (2.98") <sup>(02 32 13)</sup>

02 32 13 00-0012 LF Drill In Rock, NW Core, With Casing ..... 121.52

Note: Includes sampling.

02 32 13 00-0013 EA Drill In Rock, With NW Core Boxes ..... 10.20

##### 02 32 13 00-0014 Test Pits For Boring Activities <sup>(02 32 13)</sup>

Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.

##### 02 32 13 00-0015 Backhoe Dug Test Pits <sup>(02 32 13 00-0014)</sup>

02 32 13 00-0016 CY Excavation For Test Pit, Light Material, Backhoe Excavation ..... 64.74

02 32 13 00-0017 CY Excavation For Test Pits, Medium Material, Backhoe Excavation ..... 75.54

02 32 13 00-0018 CY Excavation For Test Pit, Heavy Material, Backhoe Excavation ..... 100.71

##### 02 32 13 00-0019 Hand-Dug Test Pits <sup>(02 32 13 00-0014)</sup>

02 32 13 00-0020 CY Excavation For Test Pit, Light Soil, Hand Excavation ..... 176.30

02 32 13 00-0021 CY Excavation For Test Pit, Heavy Soil, Hand Excavation ..... 317.34

##### 02 32 13 00-0022 Shelby Tube Sampling <sup>(02 32 13)</sup>

02 32 13 00-0023 EA Shelby Tube Sampling ..... 50.29

02 32 13 00-0024 EA Penetration Test ..... 40.98

##### 02 32 13 00-0025 Grouting <sup>(02 32 13)</sup>

02 32 13 00-0026 VLF Boreholes ..... 9.53

#### **02 32 19 Exploratory Excavations** <sup>(02 32)</sup>

##### 02 32 19 00-0001 Hydro Excavation <sup>(02 32 19)</sup>

Note: Assumes on-site disposal.

02 32 19 00-0002 EA Hydro Excavation, Mobilization/Demobilization ..... 163.50

02 32 19 00-0003 EA Hydro Excavation, Minimum Charge ..... 654.00

Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

02 32 19 00-0004 CY Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck) ..... 36.33

Note: Normal soil conditions consist of silt, sand and gravel.

**02 Existing Conditions****02 30 Subsurface Investigation****02 32 Geotechnical Investigations**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 32 19 00-0005 CY Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck).....58.13  
 Note: Adverse soil conditions consist of clay, glacial till and rocks.

**02 40 Demolition and Structure Moving** <sup>(02)</sup>**02 41 Demolition** <sup>(02 40)</sup>**02 41 13 Selective Site Demolition** <sup>(02 41)</sup>**02 41 13 13 Paving Removal** <sup>(02 41 13)</sup>

Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.

**02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete****Paving** <sup>(02 41 13 13)</sup>

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving .....	7.01
		<i>For &gt;500 To 1,000, Deduct</i>	-0.70
		<i>For &gt;1,000 To 2,500, Deduct</i>	-1.26
		<i>For Of 2500 To 5000 SY, Deduct</i>	-1.82
		<i>For Of 5000 To 10000 SY, Deduct</i>	-2.38
		<i>For &gt;10,000, Deduct</i>	-2.94
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving .....	10.52
		<i>For &gt;500 To 1,000, Deduct</i>	-1.05
		<i>For &gt;1,000 To 2,500, Deduct</i>	-1.89
		<i>For Of 2500 To 5000 SY, Deduct</i>	-2.74
		<i>For Of 5000 To 10000 SY, Deduct</i>	-3.58
		<i>For &gt;10,000, Deduct</i>	-4.42
02 41 13 13-0004	SY	>6" To 8" By Machine, Break-up And Leave In Place Bituminous Paving .....	14.02
		<i>For &gt;500 To 1,000, Deduct</i>	-1.40
		<i>For &gt;1,000 To 2,500, Deduct</i>	-2.52
		<i>For Of 2500 To 5000 SY, Deduct</i>	-3.65
		<i>For Of 5000 To 10000 SY, Deduct</i>	-4.77
		<i>For &gt;10,000, Deduct</i>	-5.89
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving .....	13.69
		<i>For &gt;500 To 1,000, Deduct</i>	-1.37
		<i>For &gt;1,000 To 2,500, Deduct</i>	-2.46
		<i>For Of 2500 To 5000 SY, Deduct</i>	-3.56
		<i>For Of 5000 To 10000 SY, Deduct</i>	-4.65
		<i>For &gt;10,000, Deduct</i>	-5.75
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving .....	19.33
		<i>For &gt;500 To 1,000, Deduct</i>	-1.93
		<i>For &gt;1,000 To 2,500, Deduct</i>	-3.48
		<i>For Of 2500 To 5000 SY, Deduct</i>	-5.03
		<i>For Of 5000 To 10000 SY, Deduct</i>	-6.57
		<i>For &gt;10,000, Deduct</i>	-8.12
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving .....	27.38
		<i>For &gt;500 To 1,000, Deduct</i>	-2.74
		<i>For &gt;1,000 To 2,500, Deduct</i>	-4.93
		<i>For Of 2500 To 5000 SY, Deduct</i>	-7.12
		<i>For Of 5000 To 10000 SY, Deduct</i>	-9.31
		<i>For &gt;10,000, Deduct</i>	-11.50
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving.....	38.65
		<i>For &gt;500 To 1,000, Deduct</i>	-3.87
		<i>For &gt;1,000 To 2,500, Deduct</i>	-6.96
		<i>For Of 2500 To 5000 SY, Deduct</i>	-10.05
		<i>For Of 5000 To 10000 SY, Deduct</i>	-13.14
		<i>For &gt;10,000, Deduct</i>	-16.23
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving.....	50.54
		<i>For &gt;500 To 1,000, Deduct</i>	-5.05
		<i>For &gt;1,000 To 2,500, Deduct</i>	-9.10
		<i>For Of 2500 To 5000 SY, Deduct</i>	-13.14
		<i>For Of 5000 To 10000 SY, Deduct</i>	-17.18
		<i>For &gt;10,000, Deduct</i>	-21.23
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving.....	65.72
		<i>For &gt;500 To 1,000, Deduct</i>	-6.57
		<i>For &gt;1,000 To 2,500, Deduct</i>	-11.83
		<i>For Of 2500 To 5000 SY, Deduct</i>	-17.09
		<i>For Of 5000 To 10000 SY, Deduct</i>	-22.34
		<i>For &gt;10,000, Deduct</i>	-27.60

**02 41 13 13-0011 By Hand, Break-up And Leave In Place Bituminous And Concrete Paving** <sup>(02)</sup><sup>41 13 13</sup>

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0036 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving .....	1.66
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving .....	2.10
02 41 13 13-0014	SF	>6" To 8" By Hand, Break-up And Leave In Place Bituminous Paving .....	2.79



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	02 41	13	13-0015	SF Up To 3" By Hand, Break-up And Leave In Place Concrete Paving .....	2.08	
	02 41	13	13-0016	SF >3" To 6" By Hand, Break-up And Leave In Place Concrete Paving .....	2.64	
	02 41	13	13-0017	SF >6" To 8" By Hand, Break-up And Leave In Place Concrete Paving .....	3.49	
<b>02 41 13 13-0018</b>				<b>By Machine, Break-up And Remove Bituminous And Concrete Paving</b> <small>(02 41 13 13)</small>		
				<small>13</small> Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0001 for saw cutting.		
	02 41	13	13-0019	SY Up To 3" By Machine, Break-up And Remove Bituminous Paving .....	15.28	
				For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.58	
				Note: (Around Existing Structures And Obstructions), Add		
				For Elevated Slab, Add	7.64	
				For >500 To 1,000, Deduct	-1.53	
				For >1,000 To 2,500, Deduct	-2.75	
				For Of 2500 To 5000 SY, Deduct	-3.97	
				For Of 5000 To 10000 SY, Deduct	-5.20	
				For >10,000, Deduct	-6.42	
	02 41	13	13-0020	SY >3" To 6" By Machine, Break-up And Remove Bituminous Paving .....	20.86	
				For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	6.26	
				Note: (Around Existing Structures And Obstructions), Add		
				For Elevated Slab, Add	10.43	
				For >500 To 1,000, Deduct	-2.09	
				For >1,000 To 2,500, Deduct	-3.75	
				For Of 2500 To 5000 SY, Deduct	-5.42	
				For Of 5000 To 10000 SY, Deduct	-7.09	
				For >10,000, Deduct	-8.76	
	02 41	13	13-0021	SY >6" To 9" By Machine, Break-up And Remove Bituminous Paving .....	28.95	
				For Elevated Slab, Add	14.48	
				For >500 To 1,000, Deduct	-2.90	
				For >1,000 To 2,500, Deduct	-5.21	
				For Of 2500 To 5000 SY, Deduct	-7.53	
				For Of 5000 To 10000 SY, Deduct	-9.84	
				For >10,000, Deduct	-12.16	
	02 41	13	13-0022	SY >9" To 12" By Machine, Break-up And Remove Bituminous Paving .....	37.77	
				For Elevated Slab, Add	18.89	
				For >500 To 1,000, Deduct	-3.78	
				For >1,000 To 2,500, Deduct	-6.80	
				For Of 2500 To 5000 SY, Deduct	-9.82	
				For Of 5000 To 10000 SY, Deduct	-12.84	
				For >10,000, Deduct	-15.86	
	02 41	13	13-0023	SY >12" To 15" By Machine, Break-up And Remove Bituminous Paving .....	52.57	
				For Elevated Slab, Add	26.29	
				For >500 To 1,000, Deduct	-5.26	
				For >1,000 To 2,500, Deduct	-9.46	
				For Of 2500 To 5000 SY, Deduct	-13.67	
				For Of 5000 To 10000 SY, Deduct	-17.87	
				For >10,000, Deduct	-22.08	
	02 41	13	13-0024	SY >15" To 18" By Machine, Break-up And Remove Bituminous Paving .....	72.28	
				For Elevated Slab, Add	36.14	
				For >500 To 1,000, Deduct	-7.23	
				For >1,000 To 2,500, Deduct	-13.01	
				For Of 2500 To 5000 SY, Deduct	-18.79	
				For Of 5000 To 10000 SY, Deduct	-24.58	
				For >10,000, Deduct	-30.36	
	02 41	13	13-0025	SY Up To 3" By Machine, Break-up And Remove Non Reinforced Concrete Paving .....	17.58	
				For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	5.27	
				Note: (Around Existing Structures And Obstructions), Add		
				For Elevated Slab, Add	8.79	
				For >500 To 1,000, Deduct	-1.76	
				For >1,000 To 2,500, Deduct	-3.16	
				For Of 2500 To 5000 SY, Deduct	-4.57	
				For Of 5000 To 10000 SY, Deduct	-5.98	
				For >10,000, Deduct	-7.38	
	02 41	13	13-0026	SY >3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving .....	23.00	
				For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	6.90	
				Note: (Around Existing Structures And Obstructions), Add		
				For Elevated Slab, Add	11.50	
				For >500 To 1,000, Deduct	-2.30	
				For >1,000 To 2,500, Deduct	-4.14	
				For Of 2500 To 5000 SY, Deduct	-5.98	
				For Of 5000 To 10000 SY, Deduct	-7.82	
				For >10,000, Deduct	-9.66	
	02 41	13	13-0027	SY Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	23.33	
				For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	7.00	
				Note: (Around Existing Structures And Obstructions), Add		
				For Elevated Slab, Add	11.67	
				For >500 To 1,000, Deduct	-2.33	
				For >1,000 To 2,500, Deduct	-4.20	
				For Of 2500 To 5000 SY, Deduct	-6.07	
				For Of 5000 To 10000 SY, Deduct	-7.93	
				For >10,000, Deduct	-9.80	

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0028 SY >3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	30.23	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	9.07	
Note: (Around Existing Structures And Obstructions), Add		
For Elevated Slab, Add	15.12	
For >500 To 1,000, Deduct	-3.02	
For >1,000 To 2,500, Deduct	-5.44	
For Of 2500 To 5000 SY, Deduct	-7.86	
For Of 5000 To 10000 SY, Deduct	-10.28	
For >10,000, Deduct	-12.70	
02 41 13 13-0029 SY >6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	50.10	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	15.03	
Note: (Around Existing Structures And Obstructions), Add		
For Elevated Slab, Add	25.05	
For >500 To 1,000, Deduct	-5.01	
For >1,000 To 2,500, Deduct	-9.02	
For Of 2500 To 5000 SY, Deduct	-13.03	
For Of 5000 To 10000 SY, Deduct	-17.03	
For >10,000, Deduct	-21.04	
02 41 13 13-0030 SY Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	25.30	
For Elevated Slab, Add	12.65	
For >500 To 1,000, Deduct	-2.53	
For >1,000 To 2,500, Deduct	-4.55	
For Of 2500 To 5000 SY, Deduct	-6.58	
For Of 5000 To 10000 SY, Deduct	-8.60	
For >10,000, Deduct	-10.63	
02 41 13 13-0031 SY >3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	32.52	
For Elevated Slab, Add	16.26	
For >500 To 1,000, Deduct	-3.25	
For >1,000 To 2,500, Deduct	-5.85	
For Of 2500 To 5000 SY, Deduct	-8.46	
For Of 5000 To 10000 SY, Deduct	-11.06	
For >10,000, Deduct	-13.66	
02 41 13 13-0032 SY >6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	58.15	
For Elevated Slab, Add	29.08	
For >500 To 1,000, Deduct	-5.82	
For >1,000 To 2,500, Deduct	-10.47	
For Of 2500 To 5000 SY, Deduct	-15.12	
For Of 5000 To 10000 SY, Deduct	-19.77	
For >10,000, Deduct	-24.42	
02 41 13 13-0033 SY >9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	75.90	
For Elevated Slab, Add	37.95	
For >500 To 1,000, Deduct	-7.59	
For >1,000 To 2,500, Deduct	-13.66	
For Of 2500 To 5000 SY, Deduct	-19.73	
For Of 5000 To 10000 SY, Deduct	-25.81	
For >10,000, Deduct	-31.88	
02 41 13 13-0034 SY >14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	99.22	
For Elevated Slab, Add	49.61	
For >500 To 1,000, Deduct	-9.92	
For >1,000 To 2,500, Deduct	-17.86	
For Of 2500 To 5000 SY, Deduct	-25.80	
For Of 5000 To 10000 SY, Deduct	-33.73	
For >10,000, Deduct	-41.67	
02 41 13 13-0035 SY >19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	120.42	
For Elevated Slab, Add	60.21	
For >500 To 1,000, Deduct	-12.04	
For >1,000 To 2,500, Deduct	-21.68	
For Of 2500 To 5000 SY, Deduct	-31.31	
For Of 5000 To 10000 SY, Deduct	-40.94	
For >10,000, Deduct	-50.58	
<b>02 41 13 13-0036 By Hand, Break-up And Remove Bituminous And Concrete Paving</b> <small>(02 41 13 13)</small>		
Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 13 13-0037 SF Up To 3" By Hand, Break-up And Remove Bituminous Paving .....	3.70	
02 41 13 13-0038 SF >3" To 6" By Hand, Break-up And Remove Bituminous Paving.....	4.87	
02 41 13 13-0039 SF >6" To 8" By Hand, Break-up And Remove Bituminous Paving.....	6.33	
02 41 13 13-0040 SF Up To 3" By Hand, Break-up And Remove Concrete Paving.....	4.63	
02 41 13 13-0041 SF >3" To 6" By Hand, Break-up And Remove Concrete Paving.....	6.39	
02 41 13 13-0042 SF >6" To 8" By Hand, Break-up And Remove Concrete Paving.....	8.19	
02 41 13 13-0043 SF Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	6.48	
02 41 13 13-0044 SF >3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	8.95	
02 41 13 13-0045 SF >6" To 8" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	11.47	
<b>02 41 13 13-0046 Grind Concrete</b> <small>(02 41 13 13)</small>		





<b>Existing Conditions</b>	<b>02</b>
<b>Demolition and Structure Moving</b>	<b>02 40</b>
<b>Demolition</b>	<b>02 41</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 13 13-0047	EA	Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard).....	215.39
		Note: For each location up to 5' wide, feather up to 12" each direction.	
		<i>For &gt;1/2" To 1" Depth Of Grinding, Add</i>	32.31
		<i>For &gt;1" To 1-1/2" Depth Of Grinding, Add</i>	53.85
		<i>For Up To 5, Add</i>	43.08
		<i>For &gt;5 To 10, Add</i>	21.54
		<i>For &gt;25 To 50, Deduct</i>	-21.54
		<i>For &gt;50 To 250, Deduct</i>	-32.31
		<i>For &gt;250, Deduct</i>	-43.08
		<i>For Sidewalks &gt;5', Add</i>	21.54
		<i>For Up To 12" Additional Feathering Per Side, Add</i>	21.54

**02 41 13 15 Hydro Demolition (02 41 13)**

02 41 13 15-0001	SF	Hydro Demolition Of Concrete Pavement (02 41 13 15) Note: Includes removal but excludes disposal of concrete.	
02 41 13 15-0002	SF	Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	7.19
02 41 13 15-0003	SF	>2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	8.99
02 41 13 15-0004	SF	>4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	12.02
02 41 13 15-0005	SF	>6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	23.94

**02 41 16 Structure Demolition (02 41)**

**02 41 16 13 Building Demolition (02 41 16)**

02 41 16 13-0001	SF	Building Interior Demolition (02 41 16 13) Note: Guttled and placed in truck or dumpsters. Based on overall floor area including space under demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminants or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.	
02 41 16 13-0002	GSF	Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck .....	7.62
02 41 16 13-0003	GSF	Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	11.53
02 41 16 13-0004	GSF	>2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck .....	9.42
02 41 16 13-0005	GSF	>10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck .....	8.38

**02 41 16 13-0006 Commercial And Residential Structures Demolition (02 41 16 13)**

Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.

**02 41 16 13-0007 Steel Framed Building Demolition (02 41 16 13-0006)**

02 41 16 13-0008	CCF	By Pneumatic Tools/Hand, Steel Framed Building Demolition .....	71.93
		<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;12' To 15', Deduct</i>	-5.39
		<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;15' To 18', Deduct</i>	-10.79
		<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;18' To 21', Deduct</i>	-16.18
		<i>For Up To 500, Add</i>	21.58
		<i>For &gt;500 To 1,000, Add</i>	14.39
		<i>For &gt;1,000 To 2,000, Add</i>	7.19
		<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	23.74
		<i>For No Interior Partitions, Deduct</i>	-17.98
02 41 16 13-0009	CCF	By Machine, Steel Framed Building Demolition .....	45.47
		<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;12' To 15', Deduct</i>	-3.41
		<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;15' To 18', Deduct</i>	-6.82
		<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;18' To 21', Deduct</i>	-10.23
		<i>For Up To 500, Add</i>	13.64
		<i>For &gt;500 To 1,000, Add</i>	9.09
		<i>For &gt;1,000 To 2,000, Add</i>	4.55
		<i>For Work &gt;3 Stories To 6 Stories (Exclude Volume Below), Add</i>	6.82
		<i>For Work &gt;6 Stories To 10 Stories (Exclude Volume Below), Add</i>	11.37
		<i>For Work &gt;10 Stories To 15 Stories (Exclude Volume Below), Add</i>	15.91
		<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	15.01
		<i>For No Interior Partitions, Deduct</i>	-11.37

**02 41 16 13-0010 Reinforced Concrete Building Demolition (02 41 16 13-0006)**

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0011 CCF By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition.....	90.27	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-6.77	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-13.54	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-20.31	
For Up To 500, Add	27.08	
For >500 To 1,000, Add	18.05	
For >1,000 To 2,000, Add	9.03	
For Volume Of Area Within 15' To An Adjacent Building, Add	29.79	
For No Interior Partitions, Deduct	-22.57	
02 41 16 13-0012 CCF By Machine, Reinforced Concrete Building Demolition.....	60.04	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-4.50	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-9.01	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-13.51	
For Up To 500, Add	18.01	
For >500 To 1,000, Add	12.01	
For >1,000 To 2,000, Add	6.00	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	9.01	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	15.01	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	21.01	
For Volume Of Area Within 15' To An Adjacent Building, Add	19.81	
For No Interior Partitions, Deduct	-15.01	
<b>02 41 16 13-0013 Masonry Construction Building Demolition (02 41 16 13-0006)</b>		
02 41 16 13-0014 CCF By Pneumatic Tools/Hand, Masonry Construction Building Demolition.....	63.44	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-4.76	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-9.52	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-14.27	
For Up To 500, Add	19.03	
For >500 To 1,000, Add	12.69	
For >1,000 To 2,000, Add	6.34	
For Volume Of Area Within 15' To An Adjacent Building, Add	20.94	
For No Interior Partitions, Deduct	-15.86	
02 41 16 13-0015 CCF By Machine, Masonry Construction Building Demolition.....	40.81	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-3.06	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-6.12	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-9.18	
For Up To 500, Add	12.24	
For >500 To 1,000, Add	8.16	
For >1,000 To 2,000, Add	4.08	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	6.12	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	10.20	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	14.28	
For Volume Of Area Within 15' To An Adjacent Building, Add	13.47	
For No Interior Partitions, Deduct	-10.20	
<b>02 41 16 13-0016 Wood Frame Construction Building Demolition (02 41 16 13-0006)</b>		
02 41 16 13-0017 CCF By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition.....	55.13	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-4.13	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-8.27	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-12.40	
For Up To 500, Add	16.54	
For >500 To 1,000, Add	11.03	
For >1,000 To 2,000, Add	5.51	
For Volume Of Area Within 15' To An Adjacent Building, Add	18.19	
For No Interior Partitions, Deduct	-13.78	
02 41 16 13-0018 CCF By Machine, Wood Frame Construction Building Demolition.....	34.92	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-2.62	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-5.24	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-7.86	
For Up To 500, Add	10.48	
For >500 To 1,000, Add	6.98	
For >1,000 To 2,000, Add	3.49	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	5.24	
For Volume Of Area Within 15' To An Adjacent Building, Add	11.52	
For No Interior Partitions, Deduct	-8.73	
<b>02 41 16 13-0019 Sorting Of Material Debris For Recycling Prior To Hauling Off (02 41 16 13-0006)</b>		
Note: Per building volume.		
02 41 16 13-0020 CCF Sorting Of Material Debris For Recycling Prior To Hauling Off.....	8.71	
For Up To 500, Add	2.61	
For >500 To 1,000, Add	1.74	
For >1,000 To 2,000, Add	0.87	
<b>02 41 16 13-0021 Foundation Demolition (02 41 16 13)</b>		
Note: Excludes earthwork.		
<b>02 41 16 13-0022 Concrete Foundation Demolition (02 41 16 13-0021)</b>		
02 41 16 13-0023 CF Non Reinforced Concrete Foundation Demolition.....	13.90	
For >135 To 405, Deduct	-1.22	
For >405 To 810, Deduct	-2.43	
For >810 To 2025, Deduct	-3.48	
For >2025, Deduct	-5.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0024 CF Reinforced Concrete Foundation Demolition .....	16.68	
<i>For &gt;135 To 405, Deduct</i>	-1.46	
<i>For &gt;405 To 810, Deduct</i>	-2.92	
<i>For &gt;810 To 2025, Deduct</i>	-4.17	
<i>For &gt;2025, Deduct</i>	-6.67	
<b>02 41 16 13-0025 Concrete Foundation Wall Demolition (02 41 16 13-0021)</b>		
02 41 16 13-0026 SF 4" Thick Non Reinforced Concrete Foundation Wall Demolition .....	5.96	
<i>For &gt;500 To 2,000, Deduct</i>	-0.45	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.19	
<i>For &gt;6,000 To 8,000, Deduct</i>	-2.09	
<i>For &gt;8,000, Deduct</i>	-3.28	
02 41 16 13-0027 SF 6" Thick Non Reinforced Concrete Foundation Wall Demolition .....	7.94	
<i>For &gt;500 To 2,000, Deduct</i>	-0.60	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.59	
<i>For &gt;6,000 To 8,000, Deduct</i>	-2.78	
<i>For &gt;8,000, Deduct</i>	-4.37	
02 41 16 13-0028 SF 8" Thick Non Reinforced Concrete Foundation Wall Demolition .....	9.93	
<i>For &gt;500 To 2,000, Deduct</i>	-0.74	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.99	
<i>For &gt;6,000 To 8,000, Deduct</i>	-3.48	
<i>For &gt;8,000, Deduct</i>	-5.46	
02 41 16 13-0029 SF 10" Thick Non Reinforced Concrete Foundation Wall Demolition .....	11.91	
<i>For &gt;500 To 2,000, Deduct</i>	-0.89	
<i>For &gt;2,000 To 6,000, Deduct</i>	-2.38	
<i>For &gt;6,000 To 8,000, Deduct</i>	-4.17	
<i>For &gt;8,000, Deduct</i>	-6.55	
02 41 16 13-0030 SF 12" Thick Non Reinforced Concrete Foundation Wall Demolition .....	13.90	
<i>For &gt;500 To 2,000, Deduct</i>	-1.04	
<i>For &gt;2,000 To 6,000, Deduct</i>	-2.78	
<i>For &gt;6,000 To 8,000, Deduct</i>	-4.87	
<i>For &gt;8,000, Deduct</i>	-7.65	
02 41 16 13-0031 SF 16" Thick Non Reinforced Concrete Foundation Wall Demolition .....	15.89	
<i>For &gt;500 To 2,000, Deduct</i>	-1.19	
<i>For &gt;2,000 To 6,000, Deduct</i>	-3.18	
<i>For &gt;6,000 To 8,000, Deduct</i>	-5.56	
<i>For &gt;8,000, Deduct</i>	-8.74	
02 41 16 13-0032 SF 4" Thick Reinforced Concrete Foundation Wall Demolition .....	7.15	
<i>For &gt;500 To 2,000, Deduct</i>	-0.54	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.43	
<i>For &gt;6,000 To 8,000, Deduct</i>	-2.50	
<i>For &gt;8,000, Deduct</i>	-3.93	
02 41 16 13-0033 SF 6" Thick Reinforced Concrete Foundation Wall Demolition .....	9.53	
<i>For &gt;500 To 2,000, Deduct</i>	-0.71	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.91	
<i>For &gt;6,000 To 8,000, Deduct</i>	-3.34	
<i>For &gt;8,000, Deduct</i>	-5.24	
02 41 16 13-0034 SF 8" Thick Reinforced Concrete Foundation Wall Demolition .....	11.91	
<i>For &gt;500 To 2,000, Deduct</i>	-0.89	
<i>For &gt;2,000 To 6,000, Deduct</i>	-2.38	
<i>For &gt;6,000 To 8,000, Deduct</i>	-4.17	
<i>For &gt;8,000, Deduct</i>	-6.55	
02 41 16 13-0035 SF 10" Thick Reinforced Concrete Foundation Wall Demolition .....	14.10	
<i>For &gt;500 To 2,000, Deduct</i>	-1.06	
<i>For &gt;2,000 To 6,000, Deduct</i>	-2.82	
<i>For &gt;6,000 To 8,000, Deduct</i>	-4.94	
<i>For &gt;8,000, Deduct</i>	-7.76	
02 41 16 13-0036 SF 12" Thick Reinforced Concrete Foundation Wall Demolition .....	16.68	
<i>For &gt;500 To 2,000, Deduct</i>	-1.25	
<i>For &gt;2,000 To 6,000, Deduct</i>	-3.34	
<i>For &gt;6,000 To 8,000, Deduct</i>	-5.84	
<i>For &gt;8,000, Deduct</i>	-9.17	
02 41 16 13-0037 SF 16" Thick Reinforced Concrete Foundation Wall Demolition .....	19.07	
<i>For &gt;500 To 2,000, Deduct</i>	-1.43	
<i>For &gt;2,000 To 6,000, Deduct</i>	-3.81	
<i>For &gt;6,000 To 8,000, Deduct</i>	-6.67	
<i>For &gt;8,000, Deduct</i>	-10.49	
<b>02 41 16 13-0038 Concrete Block Foundation Wall Demolition (02 41 16 13-0021)</b>		
02 41 16 13-0039 SF 4" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	4.37	
<i>For &gt;500 To 2,000, Deduct</i>	-0.33	
<i>For &gt;2,000 To 6,000, Deduct</i>	-0.87	
<i>For &gt;6,000 To 8,000, Deduct</i>	-1.53	
<i>For &gt;8,000, Deduct</i>	-2.40	
02 41 16 13-0040 SF 6" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	4.67	
<i>For &gt;500 To 2,000, Deduct</i>	-0.35	
<i>For &gt;2,000 To 6,000, Deduct</i>	-0.93	
<i>For &gt;6,000 To 8,000, Deduct</i>	-1.63	
<i>For &gt;8,000, Deduct</i>	-2.57	
02 41 16 13-0041 SF 8" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	5.27	
<i>For &gt;500 To 2,000, Deduct</i>	-0.40	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.05	
<i>For &gt;6,000 To 8,000, Deduct</i>	-1.84	
<i>For &gt;8,000, Deduct</i>	-2.90	

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0042 SF 10" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	6.05	
For >500 To 2,000, Deduct	-0.45	
For >2,000 To 6,000, Deduct	-1.21	
For >6,000 To 8,000, Deduct	-2.12	
For >8,000, Deduct	-3.33	
02 41 16 13-0043 SF 12" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	6.76	
For >500 To 2,000, Deduct	-0.51	
For >2,000 To 6,000, Deduct	-1.35	
For >6,000 To 8,000, Deduct	-2.37	
For >8,000, Deduct	-3.72	
02 41 16 13-0044 SF 16" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	8.44	
For >500 To 2,000, Deduct	-0.63	
For >2,000 To 6,000, Deduct	-1.69	
For >6,000 To 8,000, Deduct	-2.95	
For >8,000, Deduct	-4.64	
02 41 16 13-0045 SF 4" Thick Reinforced Concrete Block Foundation Wall Demolition .....	5.25	
For >500 To 2,000, Deduct	-0.39	
For >2,000 To 6,000, Deduct	-1.05	
For >6,000 To 8,000, Deduct	-1.84	
For >8,000, Deduct	-2.89	
02 41 16 13-0046 SF 6" Thick Reinforced Concrete Block Foundation Wall Demolition .....	5.60	
For >500 To 2,000, Deduct	-0.42	
For >2,000 To 6,000, Deduct	-1.12	
For >6,000 To 8,000, Deduct	-1.96	
For >8,000, Deduct	-3.08	
02 41 16 13-0047 SF 8" Thick Reinforced Concrete Block Foundation Wall Demolition .....	6.32	
For >500 To 2,000, Deduct	-0.47	
For >2,000 To 6,000, Deduct	-1.26	
For >6,000 To 8,000, Deduct	-2.21	
For >8,000, Deduct	-3.48	
02 41 16 13-0048 SF 10" Thick Reinforced Concrete Block Foundation Wall Demolition .....	7.27	
For >500 To 2,000, Deduct	-0.55	
For >2,000 To 6,000, Deduct	-1.45	
For >6,000 To 8,000, Deduct	-2.54	
For >8,000, Deduct	-4.00	
02 41 16 13-0049 SF 12" Thick Reinforced Concrete Block Foundation Wall Demolition .....	8.10	
For >500 To 2,000, Deduct	-0.61	
For >2,000 To 6,000, Deduct	-1.62	
For >6,000 To 8,000, Deduct	-2.84	
For >8,000, Deduct	-4.46	
02 41 16 13-0050 SF 16" Thick Reinforced Concrete Block Foundation Wall Demolition .....	10.13	
For >500 To 2,000, Deduct	-0.76	
For >2,000 To 6,000, Deduct	-2.03	
For >6,000 To 8,000, Deduct	-3.55	
For >8,000, Deduct	-5.57	
<b>02 41 16 13-0051 Brick Foundation Wall Demolition (02 41 16 13-0021)</b> .....		
02 41 16 13-0052 SF 4" Thick Brick Foundation Wall Demolition .....	4.37	
For >500 To 2,000, Deduct	-0.33	
For >2,000 To 6,000, Deduct	-0.87	
For >6,000 To 8,000, Deduct	-1.53	
For >8,000, Deduct	-2.40	
02 41 16 13-0053 SF 6" Thick Brick Foundation Wall Demolition .....	4.67	
For >500 To 2,000, Deduct	-0.35	
For >2,000 To 6,000, Deduct	-0.93	
For >6,000 To 8,000, Deduct	-1.63	
For >8,000, Deduct	-2.57	
02 41 16 13-0054 SF 8" Thick Brick Foundation Wall Demolition .....	5.27	
For >500 To 2,000, Deduct	-0.40	
For >2,000 To 6,000, Deduct	-1.05	
For >6,000 To 8,000, Deduct	-1.84	
For >8,000, Deduct	-2.90	
02 41 16 13-0055 SF 10" Thick Brick Foundation Wall Demolition .....	6.05	
For >500 To 2,000, Deduct	-0.45	
For >2,000 To 6,000, Deduct	-1.21	
For >6,000 To 8,000, Deduct	-2.12	
For >8,000, Deduct	-3.33	
02 41 16 13-0056 SF 12" Thick Brick Foundation Wall Demolition .....	6.76	
For >500 To 2,000, Deduct	-0.51	
For >2,000 To 6,000, Deduct	-1.35	
For >6,000 To 8,000, Deduct	-2.37	
For >8,000, Deduct	-3.72	
02 41 16 13-0057 SF 16" Thick Brick Foundation Wall Demolition .....	8.44	
For >500 To 2,000, Deduct	-0.63	
For >2,000 To 6,000, Deduct	-1.69	
For >6,000 To 8,000, Deduct	-2.95	
For >8,000, Deduct	-4.64	
<b>02 41 16 13-0058 Stone Foundation Demolition (02 41 16 13-0021)</b> .....		
02 41 16 13-0059 CF Stone Footing Or Foundation Wall Demolition .....	13.90	
For >135 To 405, Deduct	-1.22	
For >405 To 810, Deduct	-2.43	
For >810 To 2025, Deduct	-3.48	
For >2025, Deduct	-5.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>02 41 16 13-0060 Other Foundation Demolition</b> <small>(02 41 16 13-0021)</small>		
02 41 16 13-0061 CF Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition.....		14.70
Note: Includes excavation.		
For >135 To 405, Deduct		-1.29
For >405 To 810, Deduct		-2.57
For >810 To 2025, Deduct		-3.68
For >2025, Deduct		-5.88
<b>02 41 19 Selective Demolition</b> <small>(02 41)</small>		
<b>02 41 19 13 Selective Building Demolition</b> <small>(02 41 19)</small>		
<b>02 41 19 13-0001 Saw Cutting</b> <small>(02 41 19 13)</small>		
Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0002 LF Bituminous Paving Up To 4" Depth, Saw Cut .....		2.15
For Each Additional Pass (Depth To 3"), Add		0.84
For >250, Deduct		-0.21
02 41 19 13-0003 LF Brick Masonry Up To 4" Depth, Saw Cut .....		8.17
For Each Additional Pass (Depth To 3"), Add		3.24
For >250, Deduct		-0.81
02 41 19 13-0004 LF Concrete Block Up To 4" Depth, Saw Cut .....		7.37
For Each Additional Pass (Depth To 3"), Add		2.92
For >250, Deduct		-0.73
02 41 19 13-0005 LF Non Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut .....		2.45
For Each Additional Pass (Depth To 3"), Add		0.95
For >250, Deduct		-0.23
02 41 19 13-0006 LF Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut .....		3.24
For Each Additional Pass (Depth To 3"), Add		1.26
For >250, Deduct		-0.31
02 41 19 13-0007 LF Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut .....		5.40
For Each Additional Pass (Depth To 3"), Add		2.12
For >250, Deduct		-0.53
02 41 19 13-0008 LF Plain Concrete Walls Up To 4" Depth, Saw Cut .....		10.45
For Each Additional Pass (Depth To 3"), Add		4.15
For >250, Deduct		-1.03
02 41 19 13-0009 LF Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth.....		14.04
For Each Additional Pass (Depth To 3"), Add		5.58
For >250, Deduct		-1.39
02 41 19 13-0010 LF Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets.....		2.87
For Each Additional Pass (Depth To 3"), Add		1.03
For >250, Deduct		-0.25
02 41 19 13-0011 LF Igneous Stone Pavements Up To 4" Depth, Saw Cut.....		7.39
For Each Additional Pass (Depth To 3"), Add		2.92
For >250, Deduct		-0.73
02 41 19 13-0012 LF Sedimentary Stone Pavements Up To 4" Depth, Saw Cut .....		7.39
For Each Additional Pass (Depth To 3"), Add		2.92
For >250, Deduct		-0.73
02 41 19 13-0013 LF Metamorphic Stone Pavements Up To 4" Depth, Saw Cut.....		7.39
For Each Additional Pass (Depth To 3"), Add		2.92
For >250, Deduct		-0.73
02 41 19 13-0014 LF Terrazzo Stone Pavements Up To 4" Depth, Saw Cut .....		7.39
For Each Additional Pass (Depth To 3"), Add		2.92
For >250, Deduct		-0.73
02 41 19 13-0015 EA Saw Cut Minimum Charge .....		1,024.92
Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
<b>02 41 19 13-0016 Torch Cutting</b> <small>(02 41 19 13)</small>		
Note: Includes grinding edge		
02 41 19 13-0017 LF Up To 1/2", Torch Cut Steel Plate.....		2.83
02 41 19 13-0018 LF >1/2" To 1" Thick, Torch Cut Steel Plate .....		5.65
02 41 19 13-0019 LF >1" To 1-1/2" Thick, Torch Cut Steel Plate .....		8.49
02 41 19 13-0020 LF >1-1/2" To 2" Thick, Torch Cut Steel Plate .....		11.31
02 41 19 13-0021 LF >2" To 2-1/2" Thick, Torch Cut Steel Plate .....		14.14
02 41 19 13-0022 LF >2-1/2" To 3" Thick, Torch Cut Steel Plate .....		16.96
02 41 19 13-0023 EA Torch Cutting Minimum Charge .....		931.09
Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
<b>02 41 19 13-0024 Drilling In Existing Materials</b> <small>(02 41 19 13)</small>		
Note: Includes drill bit wear, water, layout, set-up and clean-up.		
<b>02 41 19 13-0025 Concrete Core Drilling</b> <small>(02 41 19 13-0024)</small>		
<b>02 41 19 13-0026 Up To 4" Thick Concrete Core Drilling</b> <small>(02 41 19 13-0025)</small>		

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0027 EA Drill 1" Diameter Core In Up To 4" Concrete.....	39.89	
For Horizontal Cores, Add	7.93	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	15.87	
02 41 19 13-0028 EA Drill 1-1/2" Diameter Core In Up To 4" Concrete.....	44.28	
For Horizontal Cores, Add	8.81	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.62	
02 41 19 13-0029 EA Drill 2" Diameter Core In Up To 4" Concrete.....	49.19	
For Horizontal Cores, Add	9.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.59	
02 41 19 13-0030 EA Drill 3" Diameter Core In Up To 4" Concrete.....	70.25	
For Horizontal Cores, Add	13.99	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.98	
02 41 19 13-0031 EA Drill 4" Diameter Core In Up To 4" Concrete.....	94.13	
For Horizontal Cores, Add	18.75	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	37.50	
02 41 19 13-0032 EA Drill 6" Diameter Core In Up To 4" Concrete.....	105.43	
For Horizontal Cores, Add	20.99	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.98	
02 41 19 13-0033 EA Drill 8" Diameter Core In Up To 4" Concrete.....	168.58	
For Horizontal Cores, Add	33.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	67.16	
02 41 19 13-0034 EA Drill 10" Diameter Core In Up To 4" Concrete.....	210.80	
For Horizontal Cores, Add	41.98	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	83.95	
02 41 19 13-0035 EA Drill 12" Diameter Core In Up To 4" Concrete.....	245.97	
For Horizontal Cores, Add	48.97	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	97.95	
02 41 19 13-0036 EA Drill 14" Diameter Core In Up To 4" Concrete.....	281.12	
For Horizontal Cores, Add	55.96	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	111.92	
02 41 19 13-0037 EA Drill 18" Diameter Core In Up To 4" Concrete.....	316.46	
For Horizontal Cores, Add	62.96	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	125.91	
<b>02 41 19 13-0038 &gt;4" To 6" Thick Concrete Core Drilling (02 41 19 13-0025)</b>		
02 41 19 13-0039 EA Drill 1" Diameter Core In >4" To 6" Concrete.....	56.99	
For Horizontal Cores, Add	11.33	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.66	
02 41 19 13-0040 EA Drill 1-1/2" Diameter Core In >4" To 6" Concrete.....	63.28	
For Horizontal Cores, Add	12.59	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.18	
02 41 19 13-0041 EA Drill 2" Diameter Core In >4" To 6" Concrete.....	70.28	
For Horizontal Cores, Add	13.99	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.98	
02 41 19 13-0042 EA Drill 3" Diameter Core In >4" To 6" Concrete.....	84.40	
For Horizontal Cores, Add	16.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.58	
02 41 19 13-0043 EA Drill 4" Diameter Core In >4" To 6" Concrete.....	105.54	
For Horizontal Cores, Add	20.99	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.98	
02 41 19 13-0044 EA Drill 6" Diameter Core In >4" To 6" Concrete.....	140.67	
For Horizontal Cores, Add	27.98	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	55.97	
02 41 19 13-0045 EA Drill 8" Diameter Core In >4" To 6" Concrete.....	210.90	
For Horizontal Cores, Add	41.98	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	83.95	
02 41 19 13-0046 EA Drill 10" Diameter Core In >4" To 6" Concrete.....	246.25	
For Horizontal Cores, Add	48.97	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	97.95	
02 41 19 13-0047 EA Drill 12" Diameter Core In >4" To 6" Concrete.....	281.46	
For Horizontal Cores, Add	55.96	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	111.92	
02 41 19 13-0048 EA Drill 14" Diameter Core In >4" To 6" Concrete.....	316.78	
For Horizontal Cores, Add	62.96	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	125.91	
02 41 19 13-0049 EA Drill 18" Diameter Core In >4" To 6" Concrete.....	352.38	
For Horizontal Cores, Add	69.96	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	139.91	
<b>02 41 19 13-0050 &gt;6" To 8" Thick Concrete Core Drilling (02 41 19 13-0025)</b>		
02 41 19 13-0051 EA Drill 1" Diameter Core In >6" To 8" Concrete.....	62.78	
For Horizontal Cores, Add	12.47	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.93	
02 41 19 13-0052 EA Drill 1-1/2" Diameter Core In >6" To 8" Concrete.....	69.71	
For Horizontal Cores, Add	13.85	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.70	
02 41 19 13-0053 EA Drill 2" Diameter Core In >6" To 8" Concrete.....	77.40	
For Horizontal Cores, Add	15.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.78	
02 41 19 13-0054 EA Drill 3" Diameter Core In >6" To 8" Concrete.....	91.57	
For Horizontal Cores, Add	18.19	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0055 EA Drill 4" Diameter Core In >6" To 8" Concrete.....	119.74	
<i>For Horizontal Cores, Add</i>	23.79	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	47.57	
02 41 19 13-0056 EA Drill 6" Diameter Core In >6" To 8" Concrete.....	168.91	
<i>For Horizontal Cores, Add</i>	33.58	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	67.16	
02 41 19 13-0057 EA Drill 8" Diameter Core In >6" To 8" Concrete.....	281.18	
<i>For Horizontal Cores, Add</i>	55.96	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	111.92	
02 41 19 13-0058 EA Drill 10" Diameter Core In >6" To 8" Concrete.....	316.61	
<i>For Horizontal Cores, Add</i>	62.96	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	125.91	
02 41 19 13-0059 EA Drill 12" Diameter Core In >6" To 8" Concrete.....	351.97	
<i>For Horizontal Cores, Add</i>	69.96	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	139.91	
02 41 19 13-0060 EA Drill 14" Diameter Core In >6" To 8" Concrete.....	387.39	
<i>For Horizontal Cores, Add</i>	76.94	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	153.88	
02 41 19 13-0061 EA Drill 18" Diameter Core In >6" To 8" Concrete.....	423.26	
<i>For Horizontal Cores, Add</i>	83.95	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	167.90	
<b>02 41 19 13-0062 &gt;8" To 10" Thick Concrete Core Drilling (02 41 19 13-0025)</b>		
02 41 19 13-0063 EA Drill 1" Diameter Core In >8" To 10" Concrete.....	74.24	
<i>For Horizontal Cores, Add</i>	14.73	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	29.47	
02 41 19 13-0064 EA Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	82.42	
<i>For Horizontal Cores, Add</i>	16.37	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	32.74	
02 41 19 13-0065 EA Drill 2" Diameter Core In >8" To 10" Concrete.....	91.51	
<i>For Horizontal Cores, Add</i>	18.19	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	36.38	
02 41 19 13-0066 EA Drill 3" Diameter Core In >8" To 10" Concrete.....	105.72	
<i>For Horizontal Cores, Add</i>	20.99	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	41.98	
02 41 19 13-0067 EA Drill 4" Diameter Core In >8" To 10" Concrete.....	119.95	
<i>For Horizontal Cores, Add</i>	23.79	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	47.57	
02 41 19 13-0068 EA Drill 6" Diameter Core In >8" To 10" Concrete.....	169.17	
<i>For Horizontal Cores, Add</i>	33.58	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	67.16	
02 41 19 13-0069 EA Drill 8" Diameter Core In >8" To 10" Concrete.....	281.52	
<i>For Horizontal Cores, Add</i>	55.96	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	111.92	
02 41 19 13-0070 EA Drill 10" Diameter Core In >8" To 10" Concrete.....	317.07	
<i>For Horizontal Cores, Add</i>	62.96	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	125.91	
02 41 19 13-0071 EA Drill 12" Diameter Core In >8" To 10" Concrete.....	352.45	
<i>For Horizontal Cores, Add</i>	69.94	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	139.88	
02 41 19 13-0072 EA Drill 14" Diameter Core In >8" To 10" Concrete.....	388.08	
<i>For Horizontal Cores, Add</i>	76.94	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	153.88	
02 41 19 13-0073 EA Drill 18" Diameter Core In >8" To 10" Concrete.....	424.07	
<i>For Horizontal Cores, Add</i>	83.93	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	167.86	
<b>02 41 19 13-0074 &gt;10" To 12" Thick Concrete Core Drilling (02 41 19 13-0025)</b>		
02 41 19 13-0075 EA Drill 1" Diameter Core In >10" To 12" Concrete.....	80.02	
<i>For Horizontal Cores, Add</i>	15.87	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	31.73	
02 41 19 13-0076 EA Drill 1-1/2" Diameter Core In >10" To 12" Concrete.....	88.84	
<i>For Horizontal Cores, Add</i>	17.63	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	35.26	
02 41 19 13-0077 EA Drill 2" Diameter Core In >10" To 12" Concrete.....	98.64	
<i>For Horizontal Cores, Add</i>	19.59	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	39.18	
02 41 19 13-0078 EA Drill 3" Diameter Core In >10" To 12" Concrete.....	105.89	
<i>For Horizontal Cores, Add</i>	20.99	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	41.98	
02 41 19 13-0079 EA Drill 4" Diameter Core In >10" To 12" Concrete.....	141.15	
<i>For Horizontal Cores, Add</i>	27.98	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	55.97	
02 41 19 13-0080 EA Drill 6" Diameter Core In >10" To 12" Concrete.....	183.41	
<i>For Horizontal Cores, Add</i>	36.38	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	72.76	
02 41 19 13-0081 EA Drill 8" Diameter Core In >10" To 12" Concrete.....	295.88	
<i>For Horizontal Cores, Add</i>	58.76	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	117.53	
02 41 19 13-0082 EA Drill 10" Diameter Core In >10" To 12" Concrete.....	317.52	
<i>For Horizontal Cores, Add</i>	62.96	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	125.91	

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0083 EA Drill 12" Diameter Core In >10" To 12" Concrete .....	367.10	
For Horizontal Cores, Add	72.76	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	145.52	
<b>02 41 19 13-0084 &gt;12" Thick Concrete Core Drilling (02 41 19 13-0025)</b>		
02 41 19 13-0085 IN Drill 1" Diameter Core In >12" Concrete .....	9.75	
For Horizontal Cores, Add	1.94	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.88	
02 41 19 13-0086 IN Drill 1-1/2" Diameter Core In >12" Concrete .....	10.84	
For Horizontal Cores, Add	2.16	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.31	
02 41 19 13-0087 IN Drill 2" Diameter Core In >12" Concrete .....	12.03	
For Horizontal Cores, Add	2.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.79	
02 41 19 13-0088 IN Drill 3" Diameter Core In >12" Concrete .....	13.19	
For Horizontal Cores, Add	2.62	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.24	
02 41 19 13-0089 IN Drill 4" Diameter Core In >12" Concrete .....	17.58	
For Horizontal Cores, Add	3.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	6.99	
02 41 19 13-0090 IN Drill 6" Diameter Core In >12" Concrete .....	22.88	
For Horizontal Cores, Add	4.55	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	9.10	
02 41 19 13-0091 IN Drill 8" Diameter Core In >12" Concrete .....	36.93	
For Horizontal Cores, Add	7.35	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.70	
02 41 19 13-0092 IN Drill 10" Diameter Core In >12" Concrete .....	39.74	
For Horizontal Cores, Add	7.90	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	15.80	
02 41 19 13-0093 IN Drill 12" Diameter Core In >12" Concrete .....	45.77	
For Horizontal Cores, Add	9.10	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.20	
<b>02 41 19 13-0094 Brick/Concrete Block Core Drilling (02 41 19 13-0024)</b>		
<b>02 41 19 13-0095 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>		
02 41 19 13-0096 EA Drill 1" Diameter Core In Up To 4" Brick/Concrete Block .....	31.95	
For Horizontal Cores, Add	6.35	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.69	
02 41 19 13-0097 EA Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block .....	35.47	
For Horizontal Cores, Add	7.05	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.10	
02 41 19 13-0098 EA Drill 2" Diameter Core In Up To 4" Brick/Concrete Block .....	39.39	
For Horizontal Cores, Add	7.83	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	15.67	
02 41 19 13-0099 EA Drill 3" Diameter Core In Up To 4" Brick/Concrete Block .....	56.26	
For Horizontal Cores, Add	11.19	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.39	
02 41 19 13-0100 EA Drill 4" Diameter Core In Up To 4" Brick/Concrete Block .....	75.38	
For Horizontal Cores, Add	15.00	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.00	
02 41 19 13-0101 EA Drill 6" Diameter Core In Up To 4" Brick/Concrete Block .....	84.44	
For Horizontal Cores, Add	16.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.58	
02 41 19 13-0102 EA Drill 8" Diameter Core In Up To 4" Brick/Concrete Block .....	135.00	
For Horizontal Cores, Add	26.87	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	53.73	
02 41 19 13-0103 EA Drill 10" Diameter Core In Up To 4" Brick/Concrete Block .....	168.82	
For Horizontal Cores, Add	33.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	67.16	
02 41 19 13-0104 EA Drill 12" Diameter Core In Up To 4" Brick/Concrete Block .....	196.99	
For Horizontal Cores, Add	39.18	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	78.36	
02 41 19 13-0105 EA Drill 14" Diameter Core In Up To 4" Brick/Concrete Block .....	225.16	
For Horizontal Cores, Add	44.77	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	89.54	
02 41 19 13-0106 EA Drill 18" Diameter Core In Up To 4" Brick/Concrete Block .....	253.50	
For Horizontal Cores, Add	50.36	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	100.73	
<b>02 41 19 13-0107 &gt;4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>		
02 41 19 13-0108 EA Drill 1" Diameter Core In > 4" To 6" Brick/Concrete Block .....	45.65	
For Horizontal Cores, Add	9.06	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.13	
02 41 19 13-0109 EA Drill 1-1/2" Diameter Core In > 4" To 6" Brick/Concrete Block .....	50.69	
For Horizontal Cores, Add	10.07	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.14	
02 41 19 13-0110 EA Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block .....	56.29	
For Horizontal Cores, Add	11.19	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.38	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0111 EA Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block .....	67.61	
<i>For Horizontal Cores, Add</i>	13.43	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.86	
02 41 19 13-0112 EA Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block .....	84.55	
<i>For Horizontal Cores, Add</i>	16.79	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.58	
02 41 19 13-0113 EA Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block .....	112.68	
<i>For Horizontal Cores, Add</i>	22.39	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	44.77	
02 41 19 13-0114 EA Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block .....	168.92	
<i>For Horizontal Cores, Add</i>	33.58	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	67.16	
02 41 19 13-0115 EA Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block .....	197.27	
<i>For Horizontal Cores, Add</i>	39.18	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	78.36	
02 41 19 13-0116 EA Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block .....	225.50	
<i>For Horizontal Cores, Add</i>	44.77	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	89.54	
02 41 19 13-0117 EA Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block .....	253.82	
<i>For Horizontal Cores, Add</i>	50.36	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	100.73	
02 41 19 13-0118 EA Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block .....	282.42	
<i>For Horizontal Cores, Add</i>	55.96	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	111.93	
<b>02 41 19 13-0119 &gt;6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>		
02 41 19 13-0120 EA Drill 1" Diameter Core In > 6" To 8" Brick/Concrete Block .....	50.32	
<i>For Horizontal Cores, Add</i>	9.97	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.95	
02 41 19 13-0121 EA Drill 1-1/2" Diameter Core In > 6" To 8" Brick/Concrete Block .....	55.86	
<i>For Horizontal Cores, Add</i>	11.08	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.16	
02 41 19 13-0122 EA Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block .....	62.01	
<i>For Horizontal Cores, Add</i>	12.31	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.62	
02 41 19 13-0123 EA Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block .....	73.38	
<i>For Horizontal Cores, Add</i>	14.55	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	29.10	
02 41 19 13-0124 EA Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block .....	95.95	
<i>For Horizontal Cores, Add</i>	19.03	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.06	
02 41 19 13-0125 EA Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block .....	135.33	
<i>For Horizontal Cores, Add</i>	26.87	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	53.73	
02 41 19 13-0126 EA Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block .....	225.22	
<i>For Horizontal Cores, Add</i>	44.77	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	89.54	
02 41 19 13-0127 EA Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block .....	253.65	
<i>For Horizontal Cores, Add</i>	50.36	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	100.73	
02 41 19 13-0128 EA Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block .....	282.01	
<i>For Horizontal Cores, Add</i>	55.96	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	111.93	
02 41 19 13-0129 EA Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block .....	310.45	
<i>For Horizontal Cores, Add</i>	61.55	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	123.10	
02 41 19 13-0130 EA Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block .....	339.31	
<i>For Horizontal Cores, Add</i>	67.16	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	134.32	
<b>02 41 19 13-0131 &gt;8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>		
02 41 19 13-0132 EA Drill 1" Diameter Core In > 8" To 10" Brick/Concrete Block .....	59.50	
<i>For Horizontal Cores, Add</i>	11.79	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	23.57	
02 41 19 13-0133 EA Drill 1-1/2" Diameter Core In > 8" To 10" Brick/Concrete Block .....	66.05	
<i>For Horizontal Cores, Add</i>	13.10	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.19	
02 41 19 13-0134 EA Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block .....	73.32	
<i>For Horizontal Cores, Add</i>	14.55	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	29.10	
02 41 19 13-0135 EA Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block .....	84.73	
<i>For Horizontal Cores, Add</i>	16.79	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.58	
02 41 19 13-0136 EA Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block .....	96.16	
<i>For Horizontal Cores, Add</i>	19.03	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.06	
02 41 19 13-0137 EA Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block .....	135.59	
<i>For Horizontal Cores, Add</i>	26.87	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	53.73	
02 41 19 13-0138 EA Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block .....	225.56	
<i>For Horizontal Cores, Add</i>	44.77	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	89.54	

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0139 EA Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block .....	254.11	
For Horizontal Cores, Add	50.36	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	100.73	
02 41 19 13-0140 EA Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block .....	282.51	
For Horizontal Cores, Add	55.95	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	111.91	
02 41 19 13-0141 EA Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block .....	311.14	
For Horizontal Cores, Add	61.55	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	123.10	
02 41 19 13-0142 EA Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block .....	340.14	
For Horizontal Cores, Add	67.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	134.29	
<b>02 41 19 13-0143 &gt;10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>		
02 41 19 13-0144 EA Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block .....	64.15	
For Horizontal Cores, Add	12.69	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.38	
02 41 19 13-0145 EA Drill 1-1/2" Diameter Core In > 10" To 12" Brick/Concrete Block .....	71.21	
For Horizontal Cores, Add	14.10	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	28.21	
02 41 19 13-0146 EA Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block .....	79.04	
For Horizontal Cores, Add	15.67	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.34	
02 41 19 13-0147 EA Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block .....	84.90	
For Horizontal Cores, Add	16.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.58	
02 41 19 13-0148 EA Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block .....	113.16	
For Horizontal Cores, Add	22.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	44.77	
02 41 19 13-0149 EA Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block .....	147.03	
For Horizontal Cores, Add	29.10	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	58.21	
02 41 19 13-0150 EA Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block .....	237.11	
For Horizontal Cores, Add	47.01	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	94.02	
02 41 19 13-0151 EA Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block .....	254.56	
For Horizontal Cores, Add	50.36	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	100.73	
02 41 19 13-0152 EA Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block .....	294.34	
For Horizontal Cores, Add	58.21	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	116.42	
<b>02 41 19 13-0153 &gt;12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>		
02 41 19 13-0154 IN Drill 1" Diameter Core In >12" Brick/Concrete Block .....	7.82	
For Horizontal Cores, Add	1.55	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.10	
02 41 19 13-0155 IN Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block .....	8.68	
For Horizontal Cores, Add	1.72	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.45	
02 41 19 13-0156 IN Drill 2" Diameter Core In >12" Brick/Concrete Block .....	9.64	
For Horizontal Cores, Add	1.92	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.83	
02 41 19 13-0157 IN Drill 3" Diameter Core In >12" Brick/Concrete Block .....	10.56	
For Horizontal Cores, Add	2.10	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.19	
02 41 19 13-0158 IN Drill 4" Diameter Core In >12" Brick/Concrete Block .....	14.09	
For Horizontal Cores, Add	2.80	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.60	
02 41 19 13-0159 IN Drill 6" Diameter Core In >12" Brick/Concrete Block .....	18.33	
For Horizontal Cores, Add	3.64	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	7.28	
02 41 19 13-0160 IN Drill 8" Diameter Core In >12" Brick/Concrete Block .....	29.58	
For Horizontal Cores, Add	5.88	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.76	
02 41 19 13-0161 IN Drill 10" Diameter Core In >12" Brick/Concrete Block .....	31.85	
For Horizontal Cores, Add	6.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.65	
02 41 19 13-0162 IN Drill 12" Diameter Core In >12" Brick/Concrete Block .....	36.68	
For Horizontal Cores, Add	7.28	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.56	
<b>02 41 19 13-0163 Asphalt Core Drilling (02 41 19 13-0024)</b>		
<b>02 41 19 13-0164 Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0163)</b>		
02 41 19 13-0165 EA Drill 1" Diameter Core In Up To 2" Asphalt .....	19.20	
02 41 19 13-0166 EA Drill 1-1/2" Diameter Core In Up To 2" Asphalt .....	24.00	
02 41 19 13-0167 EA Drill 2" Diameter Core In Up To 2" Asphalt .....	30.01	
02 41 19 13-0168 EA Drill 3" Diameter Core In Up To 2" Asphalt .....	37.21	
02 41 19 13-0169 EA Drill 4" Diameter Core In Up To 2" Asphalt .....	46.82	
02 41 19 13-0170 EA Drill 6" Diameter Core In Up To 2" Asphalt .....	58.82	
02 41 19 13-0171 EA Drill 8" Diameter Core In Up To 2" Asphalt .....	73.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0172 EA Drill 10" Diameter Core In Up To 2" Asphalt .....	91.24	
02 41 19 13-0173 EA Drill 12" Diameter Core In Up To 2" Asphalt .....	114.03	
<b>02 41 19 13-0174 &gt;2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0163)</b>		
02 41 19 13-0175 EA Drill 1" Diameter Core In >2" To 3" Asphalt .....	24.00	
02 41 19 13-0176 EA Drill 1-1/2" Diameter Core In >2" To 3" Asphalt .....	31.19	
02 41 19 13-0177 EA Drill 2" Diameter Core In >2" To 3" Asphalt .....	38.40	
02 41 19 13-0178 EA Drill 3" Diameter Core In >2" To 3" Asphalt .....	48.00	
02 41 19 13-0179 EA Drill 4" Diameter Core In >2" To 3" Asphalt .....	60.01	
02 41 19 13-0180 EA Drill 6" Diameter Core In >2" To 3" Asphalt .....	75.61	
02 41 19 13-0181 EA Drill 8" Diameter Core In >2" To 3" Asphalt .....	93.64	
02 41 19 13-0182 EA Drill 10" Diameter Core In >2" To 3" Asphalt .....	117.62	
02 41 19 13-0183 EA Drill 12" Diameter Core In >2" To 3" Asphalt .....	146.41	
<b>02 41 19 13-0184 &gt;3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0163)</b>		
02 41 19 13-0185 EA Drill 1" Diameter Core In >3" To 4" Asphalt .....	31.20	
02 41 19 13-0186 EA Drill 1-1/2" Diameter Core In >3" To 4" Asphalt .....	39.60	
02 41 19 13-0187 EA Drill 2" Diameter Core In >3" To 4" Asphalt .....	49.20	
02 41 19 13-0188 EA Drill 3" Diameter Core In >3" To 4" Asphalt .....	61.22	
02 41 19 13-0189 EA Drill 4" Diameter Core In >3" To 4" Asphalt .....	76.83	
02 41 19 13-0190 EA Drill 6" Diameter Core In >3" To 4" Asphalt .....	96.04	
02 41 19 13-0191 EA Drill 8" Diameter Core In >3" To 4" Asphalt .....	120.08	
02 41 19 13-0192 EA Drill 10" Diameter Core In >3" To 4" Asphalt .....	150.07	
02 41 19 13-0193 EA Drill 12" Diameter Core In >3" To 4" Asphalt .....	187.27	
<b>02 41 19 13-0194 &gt;4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0163)</b>		
02 41 19 13-0195 EA Drill 1" Diameter Core In >4" To 6" Asphalt .....	40.81	
02 41 19 13-0196 EA Drill 1-1/2" Diameter Core In >4" To 6" Asphalt .....	50.43	
02 41 19 13-0197 EA Drill 2" Diameter Core In >4" To 6" Asphalt .....	62.43	
02 41 19 13-0198 EA Drill 3" Diameter Core In >4" To 6" Asphalt .....	79.26	
02 41 19 13-0199 EA Drill 4" Diameter Core In >4" To 6" Asphalt .....	98.49	
02 41 19 13-0200 EA Drill 6" Diameter Core In >4" To 6" Asphalt .....	122.51	
02 41 19 13-0201 EA Drill 8" Diameter Core In >4" To 6" Asphalt .....	153.78	
02 41 19 13-0202 EA Drill 10" Diameter Core In >4" To 6" Asphalt .....	192.18	
02 41 19 13-0203 EA Drill 12" Diameter Core In >4" To 6" Asphalt .....	240.19	
<b>02 41 19 13-0204 Manhole Core Drilling (02 41 19 13-0024)</b>		
02 41 19 13-0205 EA Drill 4" Diameter Core In 6" Brick Manhole .....	210.29	
02 41 19 13-0206 EA Drill 5" Diameter Core In 6" Brick Manhole .....	240.32	
02 41 19 13-0207 EA Drill 6" Diameter Core In 6" Brick Manhole .....	280.31	
02 41 19 13-0208 EA Drill 8" Diameter Core In 6" Brick Manhole .....	420.43	
02 41 19 13-0209 EA Drill 2" Diameter Core In 8" Concrete Manhole .....	281.84	
02 41 19 13-0210 EA Drill 3" Diameter Core In 8" Concrete Manhole .....	299.97	
02 41 19 13-0211 EA Drill 4" Diameter Core In 8" Concrete Manhole .....	330.10	
02 41 19 13-0212 EA Drill 5" Diameter Core In 8" Concrete Manhole .....	354.15	
02 41 19 13-0213 EA Drill 6" Diameter Core In 8" Concrete Manhole .....	420.09	
02 41 19 13-0214 EA Drill 8" Diameter Core In 8" Concrete Manhole .....	600.07	
02 41 19 13-0215 EA Drill 2" Diameter Core In Fiberglass Manhole .....	28.00	
02 41 19 13-0216 EA Drill 3" Diameter Core In Fiberglass Manhole .....	32.31	
02 41 19 13-0217 EA Drill 4" Diameter Core In Fiberglass Manhole .....	35.00	
02 41 19 13-0218 EA Drill 5" Diameter Core In Fiberglass Manhole .....	38.18	
02 41 19 13-0219 EA Drill 6" Diameter Core In Fiberglass Manhole .....	42.00	
02 41 19 13-0220 EA Drill 8" Diameter Core In Fiberglass Manhole .....	46.67	
<b>02 41 19 13-0221 Drilling In Concrete Per Inch Of Depth (02 41 19 13-0024)</b>		
Note: Includes layout.		
02 41 19 13-0222 IN 1/4" Diameter Drilling In Concrete Per Inch Of Depth .....	2.04	
02 41 19 13-0223 IN 3/8" Diameter Drilling In Concrete Per Inch Of Depth .....	2.14	
02 41 19 13-0224 IN 1/2" Diameter Drilling In Concrete Per Inch Of Depth .....	2.29	
02 41 19 13-0225 IN 5/8" Diameter Drilling In Concrete Per Inch Of Depth .....	2.44	
02 41 19 13-0226 IN 3/4" Diameter Drilling In Concrete Per Inch Of Depth .....	2.68	
02 41 19 13-0227 IN 7/8" Diameter Drilling In Concrete Per Inch Of Depth .....	2.91	
02 41 19 13-0228 IN 1" Diameter Drilling In Concrete Per Inch Of Depth .....	3.05	
02 41 19 13-0229 IN 1-1/4" Diameter Drilling In Concrete Per Inch Of Depth .....	3.37	
02 41 19 13-0230 IN 1-1/2" Diameter Drilling In Concrete Per Inch Of Depth .....	3.83	
<b>02 41 19 13-0231 Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0024)</b>		
Note: Includes layout.		
02 41 19 13-0232 IN 1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	1.70	
02 41 19 13-0233 IN 3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	1.78	
02 41 19 13-0234 IN 1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	1.91	
02 41 19 13-0235 IN 5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	2.04	
02 41 19 13-0236 IN 3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	2.23	
02 41 19 13-0237 IN 7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	2.43	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 41 19 13-0238	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	2.55
02 41 19 13-0239	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	2.82
02 41 19 13-0240	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	3.49
<b>02 41 19 13-0241</b>		<b>Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0024)</b>	
		Note: Includes layout.	
02 41 19 13-0242	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth .....	0.84
02 41 19 13-0243	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth .....	0.89
02 41 19 13-0244	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth .....	0.96
02 41 19 13-0245	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth .....	1.02
02 41 19 13-0246	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth .....	1.12
02 41 19 13-0247	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth .....	1.21
02 41 19 13-0248	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth .....	1.28
02 41 19 13-0249	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth .....	1.40
02 41 19 13-0250	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth .....	1.65
<b>02 41 19 13-0251</b>		<b>Drilling In Drywall Or Plaster Per Inch Of Depth (02 41 19 13-0024)</b>	
		Note: Includes layout, high efficiency particulate air (HEPA) vacuum and protection.	
02 41 19 13-0252	IN	1/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth .....	0.84
02 41 19 13-0253	IN	3/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth .....	0.89
02 41 19 13-0254	IN	1/2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth .....	0.96
02 41 19 13-0255	IN	5/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth .....	1.02
02 41 19 13-0256	IN	3/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth .....	1.12
02 41 19 13-0257	IN	7/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth .....	1.21
02 41 19 13-0258	IN	1" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth .....	1.28
02 41 19 13-0259	IN	1-1/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth .....	1.40
02 41 19 13-0260	IN	1-1/2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth .....	1.65
<b>02 41 19 13-0261</b>		<b>Limestone Core Drilling (02 41 19 13-0024)</b>	
<b>02 41 19 13-0262</b>		<b>10" To 14" Thick Limestone Core Drilling (02 41 19 13-0261)</b>	
02 41 19 13-0263	EA	Drill 1" Diameter Core In 10" To 14" Limestone .....	60.15
02 41 19 13-0264	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone .....	72.21
02 41 19 13-0265	EA	Drill 2" Diameter Core In 10" To 14" Limestone .....	78.27
02 41 19 13-0266	EA	Drill 3" Diameter Core In 10" To 14" Limestone .....	90.43
02 41 19 13-0267	EA	Drill 4" Diameter Core In 10" To 14" Limestone .....	102.59
02 41 19 13-0268	EA	Drill 6" Diameter Core In 10" To 14" Limestone .....	144.70
02 41 19 13-0269	EA	Drill 8" Diameter Core In 10" To 14" Limestone .....	240.85
<b>02 41 19 13-0270</b>		<b>15" To 18" Thick Limestone Core Drilling (02 41 19 13-0261)</b>	
02 41 19 13-0271	EA	Drill 1" Diameter Core In 15" To 18" Limestone .....	66.21
02 41 19 13-0272	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone .....	78.27
02 41 19 13-0273	EA	Drill 2" Diameter Core In 15" To 18" Limestone .....	84.37
02 41 19 13-0274	EA	Drill 3" Diameter Core In 15" To 18" Limestone .....	90.57
02 41 19 13-0275	EA	Drill 4" Diameter Core In 15" To 18" Limestone .....	120.72
02 41 19 13-0276	EA	Drill 6" Diameter Core In 15" To 18" Limestone .....	156.85
02 41 19 13-0277	EA	Drill 8" Diameter Core In 15" To 18" Limestone .....	253.21
<b>02 41 19 13-0278</b>		<b>19" To 24" Thick Limestone Core Drilling (02 41 19 13-0261)</b>	
02 41 19 13-0279	EA	Drill 1" Diameter Core In 19" To 24" Limestone .....	72.23
02 41 19 13-0280	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone .....	84.33
02 41 19 13-0281	EA	Drill 2" Diameter Core In 19" To 24" Limestone .....	90.44
02 41 19 13-0282	EA	Drill 3" Diameter Core In 19" To 24" Limestone .....	102.64
02 41 19 13-0283	EA	Drill 4" Diameter Core In 19" To 24" Limestone .....	144.82
02 41 19 13-0284	EA	Drill 6" Diameter Core In 19" To 24" Limestone .....	181.00
02 41 19 13-0285	EA	Drill 8" Diameter Core In 19" To 24" Limestone .....	271.57
<b>02 41 19 13-0286</b>		<b>Minimum Charge For Core Drilling (02 41 19 13-0024)</b>	
02 41 19 13-0287	EA	Core Drill Minimum Charge .....	824.42
		Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".	
<b>02 41 19 13-0288</b>		<b>Cutouts (02 41 19 13)</b>	
		Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.	
<b>02 41 19 13-0289</b>		<b>Reinforced Concrete Slab On Grade Cutouts (02 41 19 13-0288)</b>	
02 41 19 13-0290	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF .....	46.21
02 41 19 13-0291	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF .....	49.02
02 41 19 13-0292	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF .....	51.82
02 41 19 13-0293	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF .....	54.62
02 41 19 13-0294	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF .....	56.01



	MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0295		<b>Reinforced Concrete Elevated Slab Cutouts</b> <small>(02 41 19 13-0288)</small> Note: Includes cutting and removing steel decking.		
02 41 19 13-0296	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF .....	56.32	
02 41 19 13-0297	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF .....	59.74	
02 41 19 13-0298	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF .....	63.15	
02 41 19 13-0299	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF .....	66.56	
02 41 19 13-0300	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF .....	68.27	
02 41 19 13-0301		<b>Reinforced Concrete Wall Cutouts</b> <small>(02 41 19 13-0288)</small>		
02 41 19 13-0302	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	57.76	
02 41 19 13-0303	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	61.26	
02 41 19 13-0304	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	64.76	
02 41 19 13-0305	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	68.27	
02 41 19 13-0306	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	70.02	
02 41 19 13-0307		<b>Brick Wall Cutouts</b> <small>(02 41 19 13-0288)</small> Note: Excludes toothing.		
02 41 19 13-0308	SF	4" Thick Brick Wall Cutouts, <24 SF .....	17.51	
02 41 19 13-0309	SF	6" Thick Brick Wall Cutouts, <24 SF .....	28.88	
02 41 19 13-0310	SF	8" Thick Brick Wall Cutouts, <24 SF .....	40.22	
02 41 19 13-0311	SF	10" Thick Brick Wall Cutouts, <24 SF .....	49.02	
02 41 19 13-0312	SF	12" Thick Brick Wall Cutouts, <24 SF .....	58.64	
02 41 19 13-0313	SF	16" Thick Brick Wall Cutouts, <24 SF .....	69.15	
02 41 19 13-0314		<b>Concrete Block Wall Cutouts</b> <small>(02 41 19 13-0288)</small> Note: Excludes toothing.		
02 41 19 13-0315	SF	4" Thick Concrete Block Wall Cutouts, <24 SF .....	28.96	
02 41 19 13-0316	SF	6" Thick Concrete Block Wall Cutouts, <24 SF .....	30.67	
02 41 19 13-0317	SF	8" Thick Concrete Block Wall Cutouts, <24 SF .....	32.38	
02 41 19 13-0318	SF	10" Thick Concrete Block Wall Cutouts, <24 SF .....	34.13	
02 41 19 13-0319	SF	12" Thick Concrete Block Wall Cutouts, <24 SF .....	35.01	
02 41 19 13-0320	SF	16" Thick Concrete Block Wall Cutouts, <24 SF .....	36.76	
02 41 19 13-0321		<b>Limestone Cutouts</b> <small>(02 41 19 13-0288)</small>		
02 41 19 13-0322	SF	2" Thick Limestone Cutouts, <24 SF .....	49.02	
02 41 19 13-0323	SF	4" Thick Limestone Cutouts, <24 SF .....	59.51	
02 41 19 13-0324	SF	6" Thick Limestone Cutouts, <24 SF .....	63.01	
02 41 19 13-0325	SF	8" Thick Limestone Cutouts, <24 SF .....	66.52	
02 41 19 13-0326	SF	10" Thick Limestone Cutouts, <24 SF .....	70.02	
02 41 19 13-0327	SF	12" Thick Limestone Cutouts, <24 SF .....	73.52	
02 41 19 13-0328		<b>Toothing Masonry Cutouts</b> <small>(02 41 19 13-0288)</small> Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0329	VLF	Brick, Soft Old Mortar, Toothing Masonry Cutouts .....	17.51	
02 41 19 13-0330	VLF	Brick, Hard Mortar, Toothing Masonry Cutouts .....	23.63	
02 41 19 13-0331	VLF	Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts .....	10.50	
02 41 19 13-0332	VLF	Concrete Block, Hard Mortar, Toothing Masonry Cutouts .....	14.01	
02 41 19 13-0333		<b>Minimum Charge For Cutouts</b> <small>(02 41 19 13-0288)</small> Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0334	EA	Cutouts Minimum Charge .....	350.10	
02 41 19 13-0335		<b>Exterior Masonry Removal</b> <small>(02 41 19 13)</small>		
02 41 19 13-0336		<b>Masonry Columns Removal (Interior And Exterior)</b> <small>(02 41 19 13-0335)</small>		
02 41 19 13-0337	VLF	8" x 8" Masonry Column Removal .....	13.35	
02 41 19 13-0338	VLF	10" x 10" Masonry Column Removal .....	20.86	
02 41 19 13-0339	VLF	12" x 12" Masonry Column Removal .....	26.72	
02 41 19 13-0340	VLF	14" x 14" Masonry Column Removal .....	33.45	
02 41 19 13-0341	VLF	16" x 16" Masonry Column Removal .....	41.09	
02 41 19 13-0342	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square .....	23.07	
02 41 19 13-0343		<b>Masonry Chimney Removal</b> <small>(02 41 19 13-0335)</small>		
02 41 19 13-0344	CF	Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	27.07	
02 41 19 13-0345	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	20.32	
02 41 19 13-0346	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	15.55	
02 41 19 13-0347	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	10.77	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 41 19 13-0348	<b>Remove And Reset Precast, Stone Or Masonry Coping</b> <small>(02 41 19 13-0335)</small>		
	Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0349	LF Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping .....	18.91	
02 41 19 13-0350	LF >8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	28.41	
02 41 19 13-0351	LF >12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	54.53	
02 41 19 13-0352	<b>Facade Removal</b> <small>(02 41 19 13-0335)</small>		
	Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0353	SF Stone Or Brick Veneer Facade Removal.....	5.08	
	<i>For Cleaning and Storage For Reuse, Add</i>	7.62	
	<i>For Reinforcing, Add</i>	0.76	
02 41 19 13-0354	<b>Exterior Masonry Removal</b> <small>(02 41 19 13-0335)</small>		
	Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0355	SF Demolish 4" Thick Non Reinforced Concrete Block Exterior Wall.....	4.47	
02 41 19 13-0356	SF Demolish 6" Thick Non Reinforced Concrete Block Exterior Wall.....	5.04	
02 41 19 13-0357	SF Demolish 8" Thick Non Reinforced Concrete Block Exterior Wall.....	6.10	
02 41 19 13-0358	SF Demolish 10" Thick Non Reinforced Concrete Block Exterior Wall.....	6.66	
02 41 19 13-0359	SF Demolish 12" Thick Non Reinforced Concrete Block Exterior Wall.....	7.31	
02 41 19 13-0360	SF Demolish 16" Thick Non Reinforced Concrete Block Exterior Wall.....	9.15	
02 41 19 13-0361	SF Demolish 4" Thick Reinforced Concrete Block Exterior Wall.....	5.29	
02 41 19 13-0362	SF Demolish 6" Thick Reinforced Concrete Block Exterior Wall.....	6.05	
02 41 19 13-0363	SF Demolish 8" Thick Reinforced Concrete Block Exterior Wall.....	7.31	
02 41 19 13-0364	SF Demolish 10" Thick Reinforced Concrete Block Exterior Wall.....	8.00	
02 41 19 13-0365	SF Demolish 12" Thick Reinforced Concrete Block Exterior Wall.....	8.78	
02 41 19 13-0366	SF Demolish 16" Thick Reinforced Concrete Block Exterior Wall.....	10.98	
02 41 19 13-0367	SF Demolish 4" Thick Brick Exterior Wall.....	4.47	
	<i>For Cleaning and Storage For Reuse, Add</i>	6.71	
02 41 19 13-0368	SF Demolish 6" Thick Brick Exterior Wall.....	5.04	
	<i>For Cleaning and Storage For Reuse, Add</i>	7.56	
02 41 19 13-0369	SF Demolish 8" Thick Brick Exterior Wall.....	6.10	
	<i>For Cleaning and Storage For Reuse, Add</i>	9.15	
02 41 19 13-0370	SF Demolish 10" Thick Brick Exterior Wall.....	6.66	
	<i>For Cleaning and Storage For Reuse, Add</i>	9.99	
02 41 19 13-0371	SF Demolish 12" Thick Brick Exterior Wall.....	7.31	
	<i>For Cleaning and Storage For Reuse, Add</i>	10.97	
02 41 19 13-0372	SF Demolish 16" Thick Brick Exterior Wall.....	9.15	
	<i>For Cleaning and Storage For Reuse, Add</i>	13.73	
02 41 19 13-0373	CF Exterior Brick, Concrete Block Or Composite Removal.....	13.01	
	<i>For Cleaning and Storage For Reuse, Add</i>	19.52	
	<i>For Reinforcing, Add</i>	1.95	
02 41 19 13-0374	<b>Lintel Removal</b> <small>(02 41 19 13-0335)</small>		
	Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0375	LF Demolish Steel Lintel.....	17.41	
02 41 19 13-0376	LF Demolish Concrete Or Stone Lintel.....	23.22	
02 41 19 13-0377	LF Demolish Steel Shelf Angle.....	18.38	
02 41 19 13-0378	<b>Reinstall Lintel</b> <small>(02 41 19 13-0335)</small>		
	Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0379	LF Clean, Prime And Paint Steel Shelf Angle Or Lintel.....	8.89	
02 41 19 13-0380	LF Reinstall Existing Concrete Or Stone Lintel.....	23.22	
02 41 19 13-0381	LF Reinstall Existing Steel Shelf Angle.....	46.84	
	Note: Includes fasteners.		
02 41 19 13-0382	LF Reinstall Existing Steel Lintel.....	19.35	
02 41 19 13-0383	LF Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls.....	82.92	
02 41 19 13-0384	LF Removal And Replacement Of Steel Lintel Over Window Openings.....	135.69	
02 41 19 13-0385	<b>Exterior Concrete Wall Removal</b> <small>(02 41 19 13)</small>		
02 41 19 13-0386	SF Demolish 4" Thick Reinforced Concrete Exterior Wall.....	6.19	
02 41 19 13-0387	SF Demolish 6" Thick Reinforced Concrete Exterior Wall.....	11.22	
02 41 19 13-0388	SF Demolish 8" Thick Reinforced Concrete Exterior Wall.....	14.10	
02 41 19 13-0389	SF Demolish 10" Thick Reinforced Concrete Exterior Wall.....	16.64	
02 41 19 13-0390	SF Demolish 12" Thick Reinforced Concrete Exterior Wall.....	19.66	
02 41 19 13-0391	<b>Elevated Concrete Removal</b> <small>(02 41 19 13)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0392 CF Elevated Concrete Beam/Slab/Steps Removal, Reinforced .....	11.73	
<b>02 41 19 16 Selective Interior Demolition (02 41 19)</b>		
Note: Includes break-up of material, loading into truck or dumpster and clean-up.		
02 41 19 16-0001 Floor Removal (02 41 19 16)		
02 41 19 16-0002 Scarify Concrete (02 41 19 16-0001)		
Note: Up to 1/4" removal per pass.		
02 41 19 16-0003 SF Scarify Concrete Floor .....	0.29	
02 41 19 16-0004 SF Scarify Concrete Tread And Riser .....	2.40	
02 41 19 16-0005 SF Scarify Concrete Wall .....	2.18	
02 41 19 16-0006 Fireproofing Removal (02 41 19 16)		
02 41 19 16-0007 SF Removal Of Fireproofing From Concrete Or Steel .....	1.13	
02 41 19 16-0008 Demolish Ceiling (02 41 19 16)		
02 41 19 16-0009 SF Demolish Drywall Ceiling .....	0.87	
02 41 19 16-0010 SF Demolish Furred Plastered Ceiling .....	2.03	
02 41 19 16-0011 SF Demolish Suspended Plastered Ceiling And Suspension System .....	1.56	
02 41 19 16-0012 Demolish Concrete Stair (02 41 19 16)		
02 41 19 16-0013 CF Demolish Interior Reinforced Concrete Stairs .....	7.31	
02 41 19 16-0014 CF Demolish Exterior Reinforced Concrete Stairs .....	6.45	
02 41 19 16-0015 Demolish Interior Partition/Wall (02 41 19 16)		
Note: Price includes knock down, loading, clean-up.		
02 41 19 16-0016 Demolish Masonry And Concrete Interior Partition/Walls (02 41 19 16-0015)		
Note: Includes saw cutting, knock down, loading and clean-up.		
02 41 19 16-0017 Demolish Concrete Block Interior Partition/Walls (02 41 19 16-0016)		
02 41 19 16-0018 SF Demolish 4" Thick Non Reinforced Concrete Block Interior Partition/Wall .....	4.74	
02 41 19 16-0019 SF Demolish 6" Thick Non Reinforced Concrete Block Interior Partition/Wall .....	5.06	
02 41 19 16-0020 SF Demolish 8" Thick Non Reinforced Concrete Block Interior Partition/Wall .....	5.71	
02 41 19 16-0021 SF Demolish 12" Thick Non Reinforced Concrete Block Interior Partition/Wall .....	7.32	
02 41 19 16-0022 SF Demolish 16" Thick Non Reinforced Concrete Block Interior Partition/Wall .....	9.15	
02 41 19 16-0023 SF Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall .....	5.69	
02 41 19 16-0024 SF Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall .....	6.08	
02 41 19 16-0025 SF Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall .....	6.85	
02 41 19 16-0026 SF Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall .....	8.79	
02 41 19 16-0027 SF Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall .....	10.98	
02 41 19 16-0028 Demolish Brick Interior Partition/Walls (02 41 19 16-0016)		
02 41 19 16-0029 SF Demolish 4" Thick Brick Interior Partition/Wall .....	4.74	
02 41 19 16-0030 SF Demolish 8" Thick Brick Interior Partition/Wall .....	5.71	
02 41 19 16-0031 SF Demolish 12" Thick Brick Interior Partition/Wall .....	7.31	
02 41 19 16-0032 SF Demolish 16" Thick Brick Interior Partition/Wall .....	9.15	
02 41 19 16-0033 Demolish Glass Block Interior Partition/Walls (02 41 19 16-0016)		
02 41 19 16-0034 SF Demolish Glass Block Interior Partition/Walls .....	4.06	
02 41 19 16-0035 Demolish Concrete Interior Partition/Walls (02 41 19 16-0016)		
See CSI section 02 41 16 13-0021 for concrete foundation demolition.		
02 41 19 16-0036 SF Demolish 6" Thick Non Reinforced Concrete Interior Partition/Wall .....	8.62	
02 41 19 16-0037 SF Demolish 8" Thick Non Reinforced Concrete Interior Partition/Wall .....	10.77	
02 41 19 16-0038 SF Demolish 12" Thick Non Reinforced Concrete Interior Partition/Wall .....	15.08	
02 41 19 16-0039 SF Demolish 6" Thick Reinforced Concrete Interior Partition/Wall .....	10.34	
02 41 19 16-0040 SF Demolish 8" Thick Reinforced Concrete Interior Partition/Wall .....	13.01	
02 41 19 16-0041 SF Demolish 12" Thick Reinforced Concrete Interior Partition/Wall .....	18.09	
02 41 19 16-0042 Demolish Terra-Cotta Block Interior Partition/Walls (02 41 19 16-0016)		
02 41 19 16-0043 SF Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster .....	1.63	
02 41 19 16-0044 Demolish Stud Framed Interior Partition/Walls (02 41 19 16-0015)		
Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.		
02 41 19 16-0045 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side .....	2.87	
For Heights >14' To 20', Add		0.43
For Heights >20', Add		0.57
02 41 19 16-0046 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides .....	3.35	
For Heights >14' To 20', Add		0.50
For Heights >20', Add		0.67

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0047	SF		Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side.....	3.67	
			<i>For Heights &gt;14' To 20', Add</i>	0.55	
			<i>For Heights &gt;20', Add</i>	0.73	
02 41 19 16-0048	SF		Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides.....	5.10	
			<i>For Heights &gt;14' To 20', Add</i>	0.77	
			<i>For Heights &gt;20', Add</i>	1.02	
02 41 19 16-0049	SF		Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall.....	1.51	
			<i>For Heights &gt;14' To 20', Add</i>	0.23	
			<i>For Heights &gt;20', Add</i>	0.30	
02 41 19 16-0050	SF		Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall.....	1.80	
			<i>For Heights &gt;14' To 20', Add</i>	0.27	
			<i>For Heights &gt;20', Add</i>	0.36	

**02 42 Removal and Salvage of Construction Materials (02 40)****02 42 21 Salvage of Construction Materials (02 42)**

Note: Includes placement on pallets and storage on site.

**02 42 21 35 Roofing Salvage (02 42 21)****02 42 21 35-0001 Clay Tile Roof Remove And Salvage For Re-use (02 42 21 35)**

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 35-0002	SQ		Removal Of Clay Roof Tile, Salvage For Re-use.....	264.23	
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**02 42 21 47 Flooring Salvage (02 42 21)****02 42 21 47-0001 Remove And Salvage For Re-Use (02 42 21 47)**

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 47-0002	SF		Removal Of Brick Flooring And Salvage.....	2.40	
02 42 21 47-0003	SF		Removal Of Ceramic/Quarry Tile Floor And Salvage.....	2.40	
02 42 21 47-0004	SF		Removal Of Terrazzo Flooring And Salvage.....	3.32	
02 42 21 47-0005	SF		Removal Of Wood Strip Flooring And Salvage.....	1.94	
02 42 21 47-0006	SF		Removal Of Wood Parquet Flooring And Salvage.....	1.02	
02 42 21 47-0007	SF		Removal Of Resilient/Linoleum Flooring And Salvage.....	0.74	

**02 43 Structure Moving (02 40)****02 43 13 Structure Relocation (02 43)**

Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

**02 43 13 13 Building Relocation (02 43 13)****02 43 13 13-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete (02 43 13)**

Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.

02 43 13 13-0002	SF		Up To 800 SF, Move Relocatable Metal Frame Building.....	34.44	
02 43 13 13-0003	SF		>800 To 920 SF, Move Relocatable Metal Frame Building.....	32.55	
02 43 13 13-0004	SF		>920 SF, Move Relocatable Metal Frame Building.....	30.47	
02 43 13 13-0005	SF		Up To 800 SF, Move Relocatable Wood Frame Building.....	27.63	
02 43 13 13-0006	SF		>800 To 920 SF, Move Relocatable Wood Frame Building.....	25.82	
02 43 13 13-0007	SF		>920 SF, Move Relocatable Wood Frame Building.....	22.85	
02 43 13 13-0008	SF		Up To 800 SF, Move Relocatable Wood/Metal Frame Building.....	33.47	
02 43 13 13-0009	SF		>800 To 920 SF, Move Relocatable Wood/Metal Frame Building.....	30.47	
02 43 13 13-0010	SF		>920 SF, Move Relocatable Wood/Metal Frame Building.....	25.82	

**02 50 Site Remediation (02)****02 58 Snow Control (02 50)****02 58 13 Snow Fencing (02 58)****02 58 13 00-0001 Snow/Sand Fence On Steel Posts (02 58 13)**

02 58 13 00-0002	LF		Steel Fence Post, 10' On Center With 4' Wood Snow/Sand Fence.....	7.05	1.91
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**02 60 Contaminated Site Material Removal (02)****02 61 Removal and Disposal of Contaminated Soils (02 60)****02 61 13 Excavation and Handling of Contaminated Material (02 61)**

See CSI section 31 23 16 00-0000 for excavation.

**02 61 13 00-0001 Excavate Petroleum Contaminated Soil (02 61 13)**

02 61 13 00-0002	CY		Excavate Petroleum Contaminated Soil.....	13.31	
			Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.		
02 61 13 00-0003	CY		Load Excavated Petroleum Contaminated Soil.....	8.03	





		<b>Existing Conditions</b>	<b>02</b>
		<b>Contaminated Site Material Removal</b>	<b>02 60</b>
		<b>Removal and Disposal of Contaminated Soils</b>	<b>02 61</b>

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 61 13 00-004 CY Disposal Fees Of Petroleum Contaminated Soil.....	211.05	
<b>02 61 13 00-005 Accessories For Contaminated Soil Stockpile (02 61 13)</b> See CSI section 31 25 14 23-0001 for sand bags.		
02 61 13 00-006 SF 30 Mil Liner For Contaminated Soil Storage..... Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	1.39	
02 61 13 00-007 SF 10 Mil Liner For Contaminated Soil Storage..... Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.83	
<b>02 61 26 Removal and Disposal of Asbestos Contaminated Soils (02 61)</b> Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.		
<b>02 61 26 00-001 Removal and Disposal of Asbestos Contaminated Soils (02 61 26)</b> Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.		
02 61 26 00-002 EA Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	912.78 273.83	
02 61 26 00-003 CF >10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	60.51 18.15	
02 61 26 00-004 CF >100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	40.34 12.10	
02 61 26 00-005 CF >250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	30.30 9.09	
02 61 26 00-006 CF >500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	24.20 7.26	
02 61 26 00-007 CF >2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	20.58 6.17	
02 61 26 00-008 CF >10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	18.51 5.55	
<b>02 65 Underground Storage Tank Removal (02 60)</b> Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0039 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.		
<b>02 65 00 00-001 Monitoring, Sampling, Testing And Analysis (02 65)</b>		
<b>02 65 00 00-002 Field Samples For Testing Underground Storage Tank (02 65 00 00-0001)</b>		
02 65 00 00-0003 EA Collection Of Sludge Sample For Underground Storage Tank.....	20.83	
02 65 00 00-0004 EA Collection Of Pumpable Liquids Sample For Underground Storage Tank.....	20.83	
02 65 00 00-0005 EA Collection Of Contaminated Soil Sample.....	20.83	
<b>02 65 00 00-0006 Lab Tests For Underground Storage Tank Removal (02 65 00 00-0001)</b> Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.		
02 65 00 00-0007 EA Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test..... Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	187.64	
02 65 00 00-0008 EA Flashpoint, Lab Test..... Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	72.97	
02 65 00 00-0009 EA TOX 9020, Lab Test..... Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	175.54	
02 65 00 00-0010 EA TPH 8015 Modified, Lab Test..... Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	187.64	
02 65 00 00-0011 EA TRPH 418.1, Lab Test..... Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	145.94	
02 65 00 00-0012 EA VOC, Lab Test..... Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	396.13	
02 65 00 00-0013 EA Semi-Volatile Organic, Lab Test..... Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	729.72	
02 65 00 00-0014 EA Oil And Grease 413.1, Lab Test..... Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	87.77	
02 65 00 00-0015 EA TCLP (Extraction) - Metals, Lab Test..... Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	156.37	
02 65 00 00-0016 EA TCLP (Extraction) - Semi-Volatile Organic, Lab Test..... Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	208.49	

**02 Existing Conditions****02 60 Contaminated Site Material Removal****02 65 Underground Storage Tank Removal**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0017 EA Metals 6010 RCRA, Lab Test .....	233.51	
Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.		
02 65 00 00-0018 EA Metals (Arsenic) 7060, Lab Test .....	31.27	
Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.		
02 65 00 00-0019 EA Metals (Selenium) 7740, Lab Test .....	31.27	
Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.		
02 65 00 00-0020 EA Metals (Lead) 7421, Lab Test .....	31.27	
Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.		
02 65 00 00-0021 EA Metals (Mercury) 7470, Lab Test .....	58.38	
Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.		
02 65 00 00-0022 EA PNA/PAH 8100, Lab Test .....	333.58	
Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.		
02 65 00 00-0023 EA Fuel Id ASTM D3328-78, Lab Test .....	120.69	
Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.		
02 65 00 00-0024 EA pH, Lab Test .....	25.02	
02 65 00 00-0025 EA Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater .....	312.74	
02 65 00 00-0026 EA Methyl Tertiary Butyl Ether (MTBE), Lab Test .....	187.64	
<b>02 65 00 00-0027 Tests, Surveys And Maintenance For Underground Storage Tank (02 65 00 00-0001)</b>		
02 65 00 00-0028 EA Site Survey For AST/UST Location By Certified Tank Installer .....	948.94	
Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overflow performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.		
02 65 00 00-0029 EA Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems .....	169.15	
Note: By Certified Technician. Write report of findings for action if needed		
02 65 00 00-0030 EA Check And Report On Monitor Probes .....	38.91	
Note: By Certified Technician		
02 65 00 00-0031 EA Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report .....	270.84	
Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.		
02 65 00 00-0032 EA Removal And Replacement Of Anode On Impressed System .....	146.51	
02 65 00 00-0033 EA Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank .....	210.34	
02 65 00 00-0034 EA Removal And Replacement Of Monitor Probes On Underground Storage Tank .....	302.24	
02 65 00 00-0035 EA Ultrasonic Test On Underground Storage Tank .....	124.67	
<b>02 65 00 00-0036 Tests And Sampling Labor Hours (02 65 00 00-0001)</b>		
02 65 00 00-0037 HR Certified Tank Installer For Underground Storage Tank .....	105.29	
02 65 00 00-0038 HR Certified Geologist/Environmentalist .....	101.78	
02 65 00 00-0039 HR Hourly Office Work For Reports Required For EPA On Underground Storage Tank .....	109.86	
Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.		
<b>02 65 00 00-0040 Remove Tank Contents (02 65)</b>		
<b>02 65 00 00-0041 Transfer Liquid (02 65 00 00-0040)</b>		
Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042 GAL Transfer Reusable Liquid To Different Tank .....	0.76	
Note: Per gallon of material transferred.		
<b>02 65 00 00-0043 Remove And Dispose Of Liquid From Tank (02 65 00 00-0040)</b>		
02 65 00 00-0044 GAL Removal and Disposal Of Hazardous Liquids From Tank .....	3.53	
02 65 00 00-0045 GAL Removal and Disposal Of Non Hazardous Liquid From Tank .....	1.65	
<b>02 65 00 00-0046 Remove And Dispose Of Solids Or Sludge (02 65 00 00-0040)</b>		
Note: Includes scraping and solidifying agent.		
02 65 00 00-0047 GAL Removal and Disposal Of Hazardous Solids Or Sludge From Tank .....	7.82	
02 65 00 00-0048 GAL Removal and Disposal Of Non Hazardous Solids Or Sludge From Tank .....	2.25	
<b>02 65 00 00-0049 Purge Vapors, Open And Clean Tank (02 65)</b>		
<b>02 65 00 00-0050 Purge Vapors (02 65 00 00-0049)</b>		
02 65 00 00-0051 LB Purge Tank Using Dry Ice .....	4.20	
Note: Approximately 1.5 To 3.0 LBS of dry ice per 100 Gals of tank volume.		
<b>02 65 00 00-0052 High Pressure Water Wash And Rinse Of Tank Interior (02 65 00 00-0049)</b>		
Note: Includes removal and disposal of rinse water.		
02 65 00 00-0053 EA Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....	358.02	
02 65 00 00-0054 EA >275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....	485.91	
02 65 00 00-0055 EA >550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....	655.01	
02 65 00 00-0056 EA >1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....	941.81	
02 65 00 00-0057 EA >2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....	1,921.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0058 EA >5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,309.93	
02 65 00 00-0059 EA >6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,745.45	
02 65 00 00-0060 EA >8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	3,346.66	
02 65 00 00-0061 EA >10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	4,485.29	
02 65 00 00-0062 EA >15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	5,401.71	
02 65 00 00-0063 EA >20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	6,947.61	
02 65 00 00-0064 EA >30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	8,424.35	
02 65 00 00-0065 EA >40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	10,073.43	
<b>02 65 00 00-0066 Scrape Clean Tank Exterior (02 65 00 00-0049)</b>		
02 65 00 00-0067 EA Up To 275 Gallon Tank, Scrape Clean Tank Exterior.....	222.66	
02 65 00 00-0068 EA >275 To 550 Gallon Tank, Scrape Clean Tank Exterior.....	296.50	
02 65 00 00-0069 EA >550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior.....	388.52	
02 65 00 00-0070 EA >1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior.....	538.01	
02 65 00 00-0071 EA >2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior.....	1,191.45	
02 65 00 00-0072 EA >5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior.....	1,508.61	
02 65 00 00-0073 EA >6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior.....	1,765.35	
02 65 00 00-0074 EA >8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior.....	2,219.30	
02 65 00 00-0075 EA >10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior.....	2,884.55	
02 65 00 00-0076 EA >15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior.....	3,620.68	
02 65 00 00-0077 EA >20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior.....	4,714.42	
02 65 00 00-0078 EA >30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior.....	5,657.31	
02 65 00 00-0079 EA >40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior.....	7,071.63	
<b>02 65 00 00-0080 Tank And Piping Removal (02 65)</b>		
Note: Excludes excavation.		
<b>02 65 00 00-0081 Removal And Disposal Of Piping (02 65 00 00-0080)</b>		
Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.		
02 65 00 00-0082 LF Up To 4", Removal And Disposal Of Piping.....	17.97	
02 65 00 00-0083 LF >4" To 8", Removal And Disposal Of Piping.....	23.97	
<b>02 65 00 00-0084 Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement (02 65 00 00-0080)</b>		
Note: Excludes excavation or backfill.		
02 65 00 00-0085 EA Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	627.19	
02 65 00 00-0086 EA >275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	761.58	
02 65 00 00-0087 EA >550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	895.99	
02 65 00 00-0088 EA >1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,119.99	
02 65 00 00-0089 EA >2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,567.97	
02 65 00 00-0090 EA >5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,971.16	
02 65 00 00-0091 EA >6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,239.96	
02 65 00 00-0092 EA >8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,687.95	
02 65 00 00-0093 EA >10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	3,583.93	
02 65 00 00-0094 EA >15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	4,296.33	
02 65 00 00-0095 EA >20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	5,034.42	
02 65 00 00-0096 EA >30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	5,889.84	
02 65 00 00-0097 EA >40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	7,362.30	
<b>02 65 00 00-0098 Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary (02 65 00 00-0080)</b>		
Note: Includes 1 lengthwise at every 4' on-center height wise.		
02 65 00 00-0099 EA >1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	800.77	
02 65 00 00-0100 EA >2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	1,493.32	
02 65 00 00-0101 EA >5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	1,796.32	
02 65 00 00-0102 EA >6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	2,001.92	
02 65 00 00-0103 EA >8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	2,402.30	
02 65 00 00-0104 EA >10,000 To 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	2,986.64	
02 65 00 00-0105 EA >15,000 To 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	3,592.62	
02 65 00 00-0106 EA >20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	4,490.78	
02 65 00 00-0107 EA >30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	5,613.48	
02 65 00 00-0108 EA >40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	7,016.84	
<b>02 65 00 00-0109 Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station (02 65 00 00-0080)</b>		
Note: Includes disposal fee.		
02 65 00 00-0110 EA Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	513.12	
For Each Additional Mile >15 Miles, Add	4.33	
02 65 00 00-0111 EA >275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	728.65	
For Each Additional Mile >15 Miles, Add	5.47	
02 65 00 00-0112 EA >550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,177.98	
For Each Additional Mile >15 Miles, Add	8.20	
02 65 00 00-0113 EA >1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	2,082.51	
For Each Additional Mile >15 Miles, Add	9.57	

**02 Existing Conditions****02 60 Contaminated Site Material Removal****02 65 Underground Storage Tank Removal**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0114 EA >2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	3,677.29	
For Each Additional Mile >15 Miles, Add	16.86	
02 65 00 00-0115 EA >5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	3,731.97	
For Each Additional Mile >15 Miles, Add	18.23	
02 65 00 00-0116 EA >6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	3,823.12	
For Each Additional Mile >15 Miles, Add	20.51	
02 65 00 00-0117 EA >8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	5,739.61	
For Each Additional Mile >15 Miles, Add	27.34	
02 65 00 00-0118 EA >10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	7,589.58	
For Each Additional Mile >15 Miles, Add	41.02	
02 65 00 00-0119 EA >15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	9,074.99	
For Each Additional Mile >15 Miles, Add	45.57	
02 65 00 00-0120 EA >20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	11,365.88	
For Each Additional Mile >15 Miles, Add	54.69	
02 65 00 00-0121 EA >30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	16,789.21	
For Each Additional Mile >15 Miles, Add	65.62	
02 65 00 00-0122 EA >40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	20,582.37	
For Each Additional Mile >15 Miles, Add	75.47	
<b>02 65 00 00-0123 Other Storage Tank Removals (02 65 00 00-0080)</b>		
02 65 00 00-0124 GAL Removal Of Cement Lining.....	0.53	
02 65 00 00-0125 GAL Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams.....	0.19	
02 65 00 00-0126 GAL Install Epoxy For Interior Corrosion Protection .....	0.97	
<b>02 65 00 00-0127 Tank Closure Report (02 65 00 00-0080)</b>		
Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.		
02 65 00 00-0128 EA Prepare Tank Closure Report.....	3,393.16	
<b>02 65 00 00-0129 Temporary Tanks (02 65)</b>		
<b>02 65 00 00-0130 Temporary Holding Tanks (02 65 00 00-0129)</b>		
<b>02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental (02 65 00 00-0130)</b>		
02 65 00 00-0132 MO 550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental .....	867.59	
02 65 00 00-0133 MO 630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental .....	867.59	
02 65 00 00-0134 MO 630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental .....	1,735.18	
02 65 00 00-0135 MO 4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental .....	1,301.39	
02 65 00 00-0136 MO 4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental .....	3,036.57	
02 65 00 00-0137 MO 6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental.....	2,168.98	
02 65 00 00-0138 MO 21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental.....	4,932.15	
02 65 00 00-0139 MO 21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental .....	5,910.75	
02 65 00 00-0140 MO 21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental .....	9,981.72	
<b>02 65 00 00-0141 Secondary Containment Berm (02 65 00 00-0129)</b>		
02 65 00 00-0142 MO Secondary Containment Berm Monthly Rental .....	1,879.78	
<b>02 80 Facility Remediation (02)</b>		
<b>02 81 Transportation and Disposal of Hazardous Materials (02 80)</b>		
<b>02 81 00 00-0001 Hazardous Material Disposal (02 81)</b>		
02 81 00 00-0002 EA Non RCRA (Direct Landfill) Drums, No Stabilization.....	230.13	
02 81 00 00-0003 EA RCRA (Direct Landfill) Drums .....	459.99	
Note: Excludes stabilization. See CSI section 02 81 00 00-0004 for Stabilization (>5 ppm).		
02 81 00 00-0004 EA Stabilization (>5 ppm) .....	612.94	
02 81 00 00-0005 TON Bulk Hazardous Material Landfill Cost .....	388.04	
<b>02 81 00 00-0006 Equipment Oil Drain And Disposal (02 81)</b>		
02 81 00 00-0007 TRIP Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site .....	609.21	
Note: Excludes Disposal Cost.		
02 81 00 00-0008 DRM Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum.....	95.73	
Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0009 DRM Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum.....	435.15	
Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0010 DRM Disposal Of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum .....	783.27	
Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0011 CF Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site .....	104.48	
Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.		
<b>02 82 Asbestos Remediation (02 80)</b>		
See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0013 for decontamination chambers.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**02 82 13 Asbestos Abatement** (02 82)

**02 82 13 00-0001 Air Monitoring And Bulk Sampling, Asbestos Testing** (02 82 13)  
 Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.

02 82 13 00-0002	HR	Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring .....	72.95
02 82 13 00-0003	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	56.68
02 82 13 00-0004	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	66.45
02 82 13 00-0005	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	105.54
02 82 13 00-0006	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing .....	181.76
02 82 13 00-0007	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing .....	220.85
02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing .....	44.95
02 82 13 00-0009	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing .....	54.72
02 82 13 00-0010	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing .....	74.27
02 82 13 00-0011	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test .....	56.68
02 82 13 00-0012	EA	Next Day Turnaround, (Air Point Counting) PLM Test .....	66.45
02 82 13 00-0013	EA	Same Day Turnaround, (Air Point Counting) PLM Test .....	105.54
02 82 13 00-0014	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing .....	181.76
02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing .....	209.12
02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing .....	291.21

**02 82 16 Engineering Control of Asbestos Containing Materials** (02 82)

**02 82 16 00-0001 Asbestos Encapsulation (Lock-Down)** (02 82 16)

02 82 16 00-0002	SF	Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat .....	1.50
02 82 16 00-0003	SF	Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound) .....	2.06
02 82 16 00-0004	SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®) .....	2.25
02 82 16 00-0005	SF	Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®) .....	2.43
02 82 16 00-0006	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®) .....	7.60
02 82 16 00-0007	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®) .....	8.63

**02 82 33 Removal and Disposal of Asbestos Containing Materials** (02 82)

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. This does not apply to glove bag projects.

**02 82 33 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal** (02 82 33)

**02 82 33 00-0002 Pipe Insulation, Asbestos Abatement And Disposal** (02 82 33 00-0001)  
 Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

**02 82 33 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal** (02 82 33 00-0002)  
 See CSI section 02 82 33 00-0017 for projects with less than 10 LF.

02 82 33 00-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	961.57
		<i>For Work In Restricted Working Space, Add</i> .....	273.83
02 82 33 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	33.56
		<i>For Work In Restricted Working Space, Add</i> .....	9.34
02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	25.78
		<i>For Work In Restricted Working Space, Add</i> .....	7.00
02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	19.94
		<i>For Work In Restricted Working Space, Add</i> .....	5.25
02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	15.57
		<i>For Work In Restricted Working Space, Add</i> .....	3.94
02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	13.86
		<i>For Work In Restricted Working Space, Add</i> .....	3.43

**02 82 33 00-0010 >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal** (02 82 33 00-0002)  
 See CSI section 02 82 33 00-0017 for projects with less than 10 LF.

02 82 33 00-0011	SET	Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	1,010.36
		<i>For Work In Restricted Working Space, Add</i> .....	273.83
02 82 33 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	40.67
		<i>For Work In Restricted Working Space, Add</i> .....	10.74
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	31.72
		<i>For Work In Restricted Working Space, Add</i> .....	8.05
02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	25.01
		<i>For Work In Restricted Working Space, Add</i> .....	6.04
02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	19.97
		<i>For Work In Restricted Working Space, Add</i> .....	4.53
02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	18.01
		<i>For Work In Restricted Working Space, Add</i> .....	3.94

**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 82 33 00-0017	<b>Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0002) Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.	
02 82 33 00-0018	SET Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal .....	598.16
	<i>For Work In Restricted Working Space, Add</i> .....	175.06
02 82 33 00-0019	LF >3 To 20 LF Additional Glove Bag Work for Pipe Insulation .....	102.13
	<i>For Work In Restricted Working Space, Add</i> .....	29.18
02 82 33 00-0020	LF >20 To 250 LF Additional Glove Bag Work for Pipe Insulation .....	42.64
	<i>For Work In Restricted Working Space, Add</i> .....	11.33
02 82 33 00-0021	LF >250 To 500 LF Additional Glove Bag Work for Pipe Insulation .....	33.19
	<i>For Work In Restricted Working Space, Add</i> .....	8.49
02 82 33 00-0022	LF >500 LF Additional Glove Bag Work for Pipe Insulation .....	26.11
	<i>For Work In Restricted Working Space, Add</i> .....	6.37
02 82 33 00-0023	<b>Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0001) Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.	
02 82 33 00-0024	<b>Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0023) See CSI section 02 82 33 00-0017 for projects with less than 10 LF.	
02 82 33 00-0025	SET Up To 20 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	961.57
	<i>For Work In Restricted Working Space, Add</i> .....	273.83
02 82 33 00-0026	LF >20 To 250 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	33.56
	<i>For Work In Restricted Working Space, Add</i> .....	9.34
02 82 33 00-0027	LF >250 To 500 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	25.78
	<i>For Work In Restricted Working Space, Add</i> .....	7.00
02 82 33 00-0028	LF >500 To 2,500 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	19.94
	<i>For Work In Restricted Working Space, Add</i> .....	5.25
02 82 33 00-0029	LF >2,500 To 10,000 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	15.57
	<i>For Work In Restricted Working Space, Add</i> .....	3.94
02 82 33 00-0030	LF >10,000 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	13.86
	<i>For Work In Restricted Working Space, Add</i> .....	3.43
02 82 33 00-0031	<b>&gt;6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0023) See CSI section 02 82 33 00-0017 for projects with less than 10 LF.	
02 82 33 00-0032	SET Up To 20 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	1,010.36
	<i>For Work In Restricted Working Space, Add</i> .....	273.83
02 82 33 00-0033	LF >20 To 250 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	40.67
	<i>For Work In Restricted Working Space, Add</i> .....	10.74
02 82 33 00-0034	LF >250 To 500 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	31.72
	<i>For Work In Restricted Working Space, Add</i> .....	8.05
02 82 33 00-0035	LF >500 To 2,500 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	25.01
	<i>For Work In Restricted Working Space, Add</i> .....	6.04
02 82 33 00-0036	LF >2,500 To 10,000 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	19.97
	<i>For Work In Restricted Working Space, Add</i> .....	4.53
02 82 33 00-0037	LF >10,000 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal .....	18.01
	<i>For Work In Restricted Working Space, Add</i> .....	3.94
02 82 33 00-0038	<b>Thermal Insulation, Asbestos Abatement And Disposal</b> (02 82 33)	
02 82 33 00-0039	<b>Calcium Block Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0038)	
02 82 33 00-0040	SET Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal .....	937.17
02 82 33 00-0041	SF >10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal .....	39.63
02 82 33 00-0042	SF >500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal .....	33.03
02 82 33 00-0043	SF >2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal .....	26.88
02 82 33 00-0044	SF >10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal .....	22.30
02 82 33 00-0045	<b>Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0038)	
02 82 33 00-0046	SET Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal .....	924.98
02 82 33 00-0047	SF >10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal .....	34.16
02 82 33 00-0048	SF >500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal .....	27.56
02 82 33 00-0049	SF >2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal .....	21.42
02 82 33 00-0050	SF >10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal .....	16.83



<b>Existing Conditions</b>	<b>02</b>	<b>02</b>
<b>Facility Remediation</b>	<b>02 80</b>	
<b>Asbestos Remediation</b>	<b>02 82</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>02 82 33 00-0051</b> <b>Fibrous Glass Board Insulation, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0038)</small>		
02 82 33 00-0052    SET    Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	920.91	
02 82 33 00-0053    SF    >10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	30.10	
02 82 33 00-0054    SF    >500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	23.49	
02 82 33 00-0055    SF    >2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	17.36	
02 82 33 00-0056    SF    >10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	12.76	
<b>02 82 33 00-0057</b> <b>Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0039)</small>		
Note: e.g., duct, boiler, tank, etc.		
02 82 33 00-0058    SET    Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	943.27	
02 82 33 00-0059    SF    >25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	32.34	
02 82 33 00-0060    SF    >500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	25.73	
02 82 33 00-0061    SF    >2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	19.60	
02 82 33 00-0062    SF    >10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	15.00	
<b>02 82 33 00-0063</b> <b>Surfacing Material, Asbestos Abatement And Disposal</b> <small>(02 82 33)</small>		
<b>02 82 33 00-0064</b> <b>Fireproofing For Small Areas, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0063)</small>		
Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0066 for areas > 1 SF see CSI section.		
02 82 33 00-0065    EA    Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal.....	153.35	
Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.		
<b>02 82 33 00-0066</b> <b>Fireproofing, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0063)</small>		
Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0067    SET    Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal.....	943.27	
02 82 33 00-0068    SF    >25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal.....	38.55	
02 82 33 00-0069    SF    >500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal.....	29.21	
02 82 33 00-0070    SF    >2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	22.21	
02 82 33 00-0071    SF    >10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	16.96	
<b>02 82 33 00-0072</b> <b>Acoustical Plaster, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0063)</small>		
Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0073    SET    Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	933.11	
02 82 33 00-0074    SF    >25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	16.41	
02 82 33 00-0075    SF    >500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	12.60	
02 82 33 00-0076    SF    >2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	9.56	
02 82 33 00-0077    SF    >10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	7.28	
<b>02 82 33 00-0078</b> <b>Gypsum Wall Board, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0063)</small>		
02 82 33 00-0079    SET    Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	953.44	
For Additional Layer, Add		251.01
02 82 33 00-0080    SF    >50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	12.79	
For Additional Layer, Add		3.29
02 82 33 00-0081    SF    >500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	9.56	
For Additional Layer, Add		2.41
02 82 33 00-0082    SF    >2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	7.65	
For Additional Layer, Add		1.88
02 82 33 00-0083    SF    >10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	6.14	
For Additional Layer, Add		1.47
02 82 33 00-0084    SF    >50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	4.99	
For Additional Layer, Add		1.15
02 82 33 00-0085    SF    >100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	4.15	
For Additional Layer, Add		0.92
<b>02 82 33 00-0086</b> <b>Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0063)</small>		
02 82 33 00-0087    SET    Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	933.11	
02 82 33 00-0088    SF    >25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	23.55	
02 82 33 00-0089    SF    >500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	17.47	
02 82 33 00-0090    SF    >2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	13.82	
02 82 33 00-0091    SF    >10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	10.93	
02 82 33 00-0092    SF    >50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	8.03	
<b>02 82 33 00-0093</b> <b>Stucco, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0063)</small>		
02 82 33 00-0094    SET    Up To 50 SF, Stucco, Asbestos Abatement And Disposal.....	953.44	

**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0095 SF >50 To 500 SF, Stucco, Asbestos Abatement And Disposal .....	27.26	
02 82 33 00-0096 SF >500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal .....	20.65	
02 82 33 00-0097 SF >2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal .....	15.69	
02 82 33 00-0098 SF >10,000 SF, Stucco, Asbestos Abatement And Disposal .....	11.96	
<b>02 82 33 00-0099 Spray On Acoustical Ceiling, Asbestos Abatement And Disposal (02 82 33 00-0063)</b>		
02 82 33 00-0100 SET Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal .....	953.44	
02 82 33 00-0101 SF >50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal .....	10.95	
02 82 33 00-0102 SF >500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal .....	9.23	
02 82 33 00-0103 SF >2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal .....	6.52	
02 82 33 00-0104 SF >10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal .....	5.08	
<b>02 82 33 00-0105 Plywood, Asbestos Abatement And Disposal (02 82 33 00-0063)</b>		
02 82 33 00-0106 SET Up To 40 SF, Plywood, Asbestos Abatement And Disposal .....	945.31	
02 82 33 00-0107 SF >50 To 500 SF, Plywood, Asbestos Abatement And Disposal .....	13.74	
02 82 33 00-0108 SF >500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal .....	7.03	
02 82 33 00-0109 SF >2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal .....	5.01	
02 82 33 00-0110 SF >10,000 SF, Plywood, Asbestos Abatement And Disposal .....	4.38	
<b>02 82 33 00-0111 Flooring Material, Asbestos Abatement And Disposal (02 82 33)</b>		
<b>02 82 33 00-0112 Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal (02 82 33 00-0111)</b>		
<b>02 82 33 00-0113 Floor Tile, Asbestos Abatement And Disposal (02 82 33 00-0112)</b>		
Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0114 SET Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal .....	920.91	
For Each Additional Layer, Add	138.14	
02 82 33 00-0115 SF >100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal .....	7.03	
For Each Additional Layer, Add	1.05	
02 82 33 00-0116 SF >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal .....	5.86	
For Each Additional Layer, Add	0.88	
02 82 33 00-0117 SF >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal .....	4.81	
For Each Additional Layer, Add	0.72	
02 82 33 00-0118 SF >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal .....	3.51	
For Each Additional Layer, Add	0.53	
<b>02 82 33 00-0119 Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal (02 82 33 00-0112)</b>		
Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0120 SET Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal .....	920.91	
For Each Additional Layer, Add	138.14	
02 82 33 00-0121 SF >100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal .....	7.03	
For Each Additional Layer, Add	1.05	
02 82 33 00-0122 SF >500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal .....	5.89	
For Each Additional Layer, Add	0.88	
02 82 33 00-0123 SF >2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal .....	5.40	
For Each Additional Layer, Add	0.81	
02 82 33 00-0124 SF >10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal .....	4.48	
For Each Additional Layer, Add	0.67	
<b>02 82 33 00-0125 Carpet, Asbestos Abatement And Disposal (02 82 33 00-0112)</b>		
02 82 33 00-0126 SET Up To 100 SF, Non-Friable Carpet, Asbestos Abatement And Disposal .....	920.91	
02 82 33 00-0127 SF >100 To 500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal .....	5.60	
02 82 33 00-0128 SF >500 To 2,500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal .....	4.65	
02 82 33 00-0129 SF >2,500 To 10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal .....	3.56	
02 82 33 00-0130 SF >10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal .....	2.85	
<b>02 82 33 00-0131 Wall Or Cove Base, Asbestos Abatement And Disposal (02 82 33 00-0112)</b>		
Note: Up to 12".		
02 82 33 00-0132 SET Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal .....	314.42	
02 82 33 00-0133 LF >25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal .....	4.46	
02 82 33 00-0134 LF >100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal .....	2.84	
02 82 33 00-0135 LF >500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal .....	1.93	
02 82 33 00-0136 LF >2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal .....	1.48	
<b>02 82 33 00-0137 Carpet Containment (Burrito Wrap) And Disposal (02 82 33 00-0112)</b>		
02 82 33 00-0138 SET Up To 10 SF, Carpet, Non Friable Asbestos Burrito Wrap and Disposal .....	312.39	
02 82 33 00-0139 SF >10 To 500 SF, Carpet, Non Friable Asbestos Burrito Wrap and Disposal .....	2.39	
02 82 33 00-0140 SF >500 To 2,500 SF, Carpet, Non Friable Asbestos Burrito Wrap and Disposal .....	1.79	
02 82 33 00-0141 SF >2,500 To 10,000 SF, Carpet, Non Friable Asbestos Burrito Wrap and Disposal .....	1.38	
02 82 33 00-0142 SF >10,000 SF, Carpet, Non Friable Asbestos Burrito Wrap and Disposal .....	1.21	





<b>Existing Conditions</b>	<b>02</b>	<b>02</b>
Facility Remediation	02 80	
Asbestos Remediation	02 82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>02 82 33 00-0143 Mastic, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0111)</small>		
<small>Note: Applies to single layer or bottom layer only of multiple layers. Non hydrocarbon with pine, citrus or no odor.</small>		
02 82 33 00-0144 SET Up To 100 SF, Mastic, Asbestos Abatement And Disposal .....	933.12	
<small>Note: Applies to bottom layer only if multiple layers.</small>		
02 82 33 00-0145 SF >100 To 500 SF, Mastic, Asbestos Abatement And Disposal.....	2.48	
<small>Note: Applies to bottom layer only if multiple layers.</small>		
02 82 33 00-0146 SF >500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal.....	1.87	
<small>Note: Applies to bottom layer only if multiple layers.</small>		
02 82 33 00-0147 SF >2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal.....	1.49	
<small>Note: Applies to bottom layer only if multiple layers.</small>		
02 82 33 00-0148 SF >10,000 SF, Mastic, Asbestos Abatement And Disposal.....	1.22	
<small>Note: Applies to bottom layer only if multiple layers.</small>		
<b>02 82 33 00-0149 Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0111)</small>		
<small>Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.</small>		
02 82 33 00-0150 SET Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	994.11	
02 82 33 00-0151 SF >100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	8.00	
02 82 33 00-0152 SF >500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	6.06	
02 82 33 00-0153 SF >2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	4.92	
02 82 33 00-0154 SF >10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	4.00	
<b>02 82 33 00-0155 Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0111)</small>		
02 82 33 00-0156 SET Up To 100 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal .....	953.42	
02 82 33 00-0157 SF >100 To 500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	8.55	
02 82 33 00-0158 SF >500 To 2,500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	5.74	
<small>Note: Includes detachment of mounted objects before removal.</small>		
02 82 33 00-0159 SF >2,500 To 10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	4.59	
02 82 33 00-0160 SF >10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	3.83	
<b>02 82 33 00-0161 Roofing, Asbestos Abatement And Disposal</b> <small>(02 82 33)</small>		
<b>02 82 33 00-0162 Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0161)</small>		
<small>Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.</small>		
<b>02 82 33 00-0163 Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0162)</small>		
02 82 33 00-0164 SET Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	1,014.44	
02 82 33 00-0165 SF >125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.65	
02 82 33 00-0166 SF >1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.48	
02 82 33 00-0167 SF >5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.55	
02 82 33 00-0168 SF >10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.61	
02 82 33 00-0169 SF >20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.91	
<b>02 82 33 00-0170 &gt;2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0162)</small>		
02 82 33 00-0171 SET Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1,091.67	
02 82 33 00-0172 SF >110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	8.27	
02 82 33 00-0173 SF >1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.92	
02 82 33 00-0174 SF >5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.90	
02 82 33 00-0175 SF >10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.82	
02 82 33 00-0176 SF >20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	4.02	
<b>02 82 33 00-0177 &gt;5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0162)</small>		
02 82 33 00-0178 SET Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....	1,181.11	
02 82 33 00-0179 SF >110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	9.81	
02 82 33 00-0180 SF >1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	8.32	
02 82 33 00-0181 SF >5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	7.18	
02 82 33 00-0182 SF >10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.99	

**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

02 82 33 00-0183	SF	>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.10
<b>02 82 33 00-0184</b>		<b>Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0161)</b>	
<b>02 82 33 00-0185</b>		<b>Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0184)</b>	
02 82 33 00-0186	SET	Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal ..... Note: Single or first of multiple layers.	938.19
02 82 33 00-0187	SF	>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	6.04
		<i>For Each Additional Layer, Add</i>	1.21
02 82 33 00-0188	SF	>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	4.87
		<i>For Each Additional Layer, Add</i>	0.97
02 82 33 00-0189	SF	>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	3.94
		<i>For Each Additional Layer, Add</i>	0.79
02 82 33 00-0190	SF	>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	3.00
		<i>For Each Additional Layer, Add</i>	0.60
02 82 33 00-0191	SF	>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	2.30
		<i>For Each Additional Layer, Add</i>	0.46
<b>02 82 33 00-0192</b>		<b>Roof Penetration Mastic, Asbestos Abatement And Disposal (02 82 33 00-0161)</b>	
02 82 33 00-0193	SET	Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal .....	306.29
02 82 33 00-0194	SF	>10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal .....	2.48
02 82 33 00-0195	SF	>50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	2.07
02 82 33 00-0196	SF	>100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal .....	1.70
02 82 33 00-0197	SF	>250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal .....	1.30
<b>02 82 33 00-0198</b>		<b>Roof Curb Mastic, Asbestos Abatement And Disposal (02 82 33 00-0161)</b>	
02 82 33 00-0199	SET	Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal .....	306.29
02 82 33 00-0200	LF	>10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal .....	7.04
02 82 33 00-0201	LF	>20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal .....	5.68
02 82 33 00-0202	LF	>50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	4.76
02 82 33 00-0203	LF	>150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal .....	3.49
<b>02 82 33 00-0204</b>		<b>Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82 33)</b>	
<b>02 82 33 00-0205</b>		<b>Interior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0204)</b>	
		Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0206	SET	Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	953.42
02 82 33 00-0207	SF	>100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	6.63
02 82 33 00-0208	SF	>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	3.53
02 82 33 00-0209	SF	>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	2.89
02 82 33 00-0210	SF	>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	2.57
<b>02 82 33 00-0211</b>		<b>Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0204)</b>	
		Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0212	SET	Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	953.42
02 82 33 00-0213	SF	>100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	5.81
02 82 33 00-0214	SF	>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	3.18
02 82 33 00-0215	SF	>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.62
02 82 33 00-0216	SF	>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.34
<b>02 82 33 00-0217</b>		<b>Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal (02 82 33 00-0204)</b>	
02 82 33 00-0218	SET	Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	809.44
02 82 33 00-0219	LF	>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	36.00
02 82 33 00-0220	LF	>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	28.22
02 82 33 00-0221	LF	>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	22.38
02 82 33 00-0222	LF	>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	18.01
02 82 33 00-0223	LF	>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	14.73
02 82 33 00-0224	LF	>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	14.50
<b>02 82 33 00-0225</b>		<b>Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 33 00-0204)</b>	
02 82 33 00-0226	SET	Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal .....	981.69
		Note: Single or first of multiple layers.	
02 82 33 00-0227	SF	>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	5.27



<b>Existing Conditions</b>	<b>02</b>	<b>02</b>
Facility Remediation	02 80	
Asbestos Remediation	02 82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0228 SF >1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	4.30	
Note: Single or first of multiple layers.		
02 82 33 00-0229 SF >5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	3.53	
Note: Single or first of multiple layers.		
02 82 33 00-0230 SF >10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	2.74	
Note: Single or first of multiple layers.		
02 82 33 00-0231 SF >20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	2.16	
Note: Single or first of multiple layers.		
<b>02 82 33 00-0232 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33)</b>		
<b>02 82 33 00-0233 Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal (02 82 33 00-0232)</b>		
Note: For non-attic/crawl space surface cleaning including walls, floors, equipment, and furniture.		
02 82 33 00-0234 SET Up To 10 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal.....	460.45	
02 82 33 00-0235 SF >10 To 100 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal.....	1.16	
02 82 33 00-0236 SF >100 To 500 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal.....	0.87	
02 82 33 00-0237 SF >500 To 1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal.....	0.77	
02 82 33 00-0238 SF >1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal.....	0.70	
<b>02 82 33 00-0239 Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal (02 82 33 00-0232)</b>		
02 82 33 00-0240 SET Up To 10 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	624.78	
02 82 33 00-0241 SF >10 To 100 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	16.85	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0242 SF >100 To 250 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	11.90	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0243 SF >250 To 500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	9.23	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0244 SF >500 To 2,500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	7.72	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0245 SF >2,500 To 10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	6.96	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0246 SF >10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	6.19	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0247 SET Up To 10 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	789.11	
02 82 33 00-0248 SF >10 To 100 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	33.09	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0249 SF >100 To 250 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	23.02	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0250 SF >250 To 500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	18.00	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0251 SF >500 To 2,500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	14.95	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	

**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0252	SF		>2,500 To 10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	13.13	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0253	SF		>10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	12.11	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0254	SET		Up To 10 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	961.57	
02 82 33 00-0255	SF		>10 To 100 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	65.39	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0256	SF		>100 To 250 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	45.22	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0257	SF		>250 To 500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	35.18	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0258	SF		>500 To 2,500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	29.08	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0259	SF		>2,500 To 10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	25.46	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0260	SF		>10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	23.39	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
<b>02 82 33 00-0261</b>			<b>Asbestos Contaminated Debris, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0261)</small>		
02 82 33 00-0262	SET		Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	657.31	
			<i>For Work In Restricted Working Space, Add</i>	182.56	
02 82 33 00-0263	CF		>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	65.39	
			<i>For Work In Restricted Working Space, Add</i>	18.15	
02 82 33 00-0264	CF		>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	45.22	
			<i>For Work In Restricted Working Space, Add</i>	12.10	
02 82 33 00-0265	CF		>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	35.18	
			<i>For Work In Restricted Working Space, Add</i>	9.09	
02 82 33 00-0266	CF		>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	29.08	
			<i>For Work In Restricted Working Space, Add</i>	7.26	
02 82 33 00-0267	CF		>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	25.46	
			<i>For Work In Restricted Working Space, Add</i>	6.17	
02 82 33 00-0268	CF		>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	23.39	
			<i>For Work In Restricted Working Space, Add</i>	5.55	
<b>02 82 33 00-0269</b>			<b>Other Asbestos Containing Materials, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0269)</small>		
<b>02 82 33 00-0270</b>			<b>30" To 36" Fire Door, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0269)</small>		
02 82 33 00-0271	SET		Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	326.21	
02 82 33 00-0272	EA		>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	131.49	
02 82 33 00-0273	EA		>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	120.53	
<b>02 82 33 00-0274</b>			<b>HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0269)</small>		
02 82 33 00-0275	SET		Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	305.27	
02 82 33 00-0276	LF		>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	6.32	
02 82 33 00-0277	LF		>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	4.76	
02 82 33 00-0278	LF		>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	4.12	
02 82 33 00-0279	LF		>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	3.55	
02 82 33 00-0280	LF		>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	3.05	
02 82 33 00-0281	LF		>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	2.65	
<b>02 82 33 00-0282</b>			<b>Grout, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0269)</small>		
			Note: e.g. flue grout.		
02 82 33 00-0283	SET		Up To 10 LF, Grout, Asbestos Abatement And Disposal.....	304.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0284 LF >10 To 50 LF, Grout, Asbestos Abatement And Disposal .....	12.05	
02 82 33 00-0285 LF >50 To 100 LF, Grout, Asbestos Abatement And Disposal .....	8.32	
02 82 33 00-0286 LF >100 To 250 LF, Grout, Asbestos Abatement And Disposal .....	7.13	
02 82 33 00-0287 LF >250 To 1,000 LF, Grout, Asbestos Abatement And Disposal .....	6.14	
02 82 33 00-0288 LF >1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal .....	5.30	
02 82 33 00-0289 LF >2,500 LF, Grout, Asbestos Abatement And Disposal .....	4.55	
<b>02 82 33 00-0290 Gaskets, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
Note: e.g. rope, web cloth, flat.		
02 82 33 00-0291 SET Up To 10 LF, Gaskets, Asbestos Abatement And Disposal.....	305.27	
02 82 33 00-0292 LF >10 To 50 LF, Gaskets, Asbestos Abatement And Disposal .....	16.23	
02 82 33 00-0293 LF >50 To 250 LF, Gaskets, Asbestos Abatement And Disposal .....	12.20	
02 82 33 00-0294 LF >250 To 500 LF, Gaskets, Asbestos Abatement And Disposal .....	10.40	
02 82 33 00-0295 LF >500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal .....	9.38	
02 82 33 00-0296 LF >1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal .....	8.43	
02 82 33 00-0297 LF >2,500 LF, Gaskets, Asbestos Abatement And Disposal .....	8.03	
<b>02 82 33 00-0298 Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
Note: e.g. grid, spline, or glued on.		
02 82 33 00-0299 SET Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal.....	628.85	
Note: Including Glue Removal		
02 82 33 00-0300 SF >50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal .....	13.34	
Note: Including Glue Removal		
02 82 33 00-0301 SF >1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal .....	6.63	
Note: Including Glue Removal		
02 82 33 00-0302 SF >2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal .....	4.61	
Note: Including Glue Removal		
02 82 33 00-0303 SF >10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal .....	3.98	
Note: Including Glue Removal		
<b>02 82 33 00-0304 Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
Note: Includes ceiling tile, asbestos barrier paper, and furring strips.		
02 82 33 00-0305 SET Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	619.49	
02 82 33 00-0306 SF >50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	13.34	
02 82 33 00-0307 SF >1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal .....	6.63	
02 82 33 00-0308 SF >2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal .....	4.61	
02 82 33 00-0309 SF >10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	3.98	
<b>02 82 33 00-0310 Caulking, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
<b>02 82 33 00-0311 Non Friable Caulking, Asbestos Abatement And Disposal (02 82 33 00-0310)</b>		
02 82 33 00-0312 SET Up To 10 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	304.93	
02 82 33 00-0313 LF >10 To 50 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	9.05	
02 82 33 00-0314 LF >50 To 100 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	6.40	
02 82 33 00-0315 LF >100 To 250 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	4.78	
02 82 33 00-0316 LF >250 To 1,000 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	3.61	
02 82 33 00-0317 LF >1,000 To 2,500 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	2.87	
02 82 33 00-0318 LF >2,500 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	2.50	
<b>02 82 33 00-0319 Wood Wall Joint Compound, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
02 82 33 00-0320 SET Up To 10 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal .....	610.55	
02 82 33 00-0321 SF >10 To 500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal .....	12.18	
02 82 33 00-0322 SF >500 To 2,500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal.....	8.95	
02 82 33 00-0323 SF >2,500 To 10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal.....	7.04	
02 82 33 00-0324 SF >10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal.....	5.53	
<b>02 82 33 00-0325 Chalk Board Mastic, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
02 82 33 00-0326 SET Up To 100 SF, Chalk Board Mastic, Asbestos Abatement And Disposal .....	324.60	
02 82 33 00-0327 SF >100 To 1,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal .....	13.13	
02 82 33 00-0328 SF >1,000 To 2,500 SF, Chalk Board Mastic, Asbestos Abatement And Disposal .....	6.42	
02 82 33 00-0329 SF >2,500 To 10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal .....	4.40	
02 82 33 00-0330 SF >10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal .....	3.77	
<b>02 82 33 00-0331 Tack Board Mastic, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
02 82 33 00-0332 SET Up To 100 SF, Tack Board Mastic, Asbestos Abatement And Disposal .....	324.60	
02 82 33 00-0333 SF >100 To 1,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal .....	13.13	
02 82 33 00-0334 SF >1,000 To 2,500 SF, Tack Board Mastic, Asbestos Abatement And Disposal .....	6.42	

**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0335 SF >2,500 To 10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal.....	4.40	
02 82 33 00-0336 SF >10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal.....	3.77	
<b>02 82 33 00-0337 Dash Coat Over Wood Walls, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
02 82 33 00-0338 SET Up To 10 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal.....	610.55	
02 82 33 00-0339 SF >10 To 500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal .....	13.51	
02 82 33 00-0340 SF >500 To 2,500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal .....	10.12	
02 82 33 00-0341 SF >2,500 To 10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal .....	7.64	
02 82 33 00-0342 SF >10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal.....	5.79	
<b>02 82 33 00-0343 HEPA Vacuum, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
Note: For adjacent areas.		
02 82 33 00-0344 SF High Efficiency Particulate Air (HEPA) Vacuum And Cleaning Of Contaminated Area.....	0.81	
<b>02 82 33 00-0345 Window Putty, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
02 82 33 00-0346 SET Up To 10 LF, Window Putty, Asbestos Abatement And Disposal .....	304.93	
02 82 33 00-0347 LF >10 To 50 LF, Window Putty, Asbestos Abatement And Disposal.....	12.05	
02 82 33 00-0348 LF >50 To 100 LF, Window Putty, Asbestos Abatement And Disposal.....	8.32	
02 82 33 00-0349 LF >100 To 250 LF, Window Putty, Asbestos Abatement And Disposal.....	7.13	
02 82 33 00-0350 LF >250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal.....	6.14	
02 82 33 00-0351 LF >1,000 LF, Window Putty, Asbestos Abatement And Disposal.....	5.30	
<b>02 82 33 00-0352 Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal (02 82 33 00-0269)</b>		
02 82 33 00-0353 SET Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	702.19	
02 82 33 00-0354 EA >4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	77.87	
02 82 33 00-0355 EA >40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	59.73	
02 82 33 00-0356 EA >60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	50.69	
02 82 33 00-0357 EA >125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	45.21	
02 82 33 00-0358 EA >625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	41.94	
02 82 33 00-0359 EA >1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	40.08	
<b>02 83 Lead Remediation (02 80)</b>		
See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0013 for decontamination chambers.		
<b>02 83 19 Lead-Based Paint Remediation (02 83)</b>		
<b>02 83 19 13 Lead-Based Paint Abatement (02 83 19)</b>		
Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting.		
<b>02 83 19 13-0001 Lead Sampling And Testing (02 83 19 13)</b>		
Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.		
02 83 19 13-0002 HR Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring .....	81.50	
02 83 19 13-0003 EA X-Ray Fluorescence (XRF) Lead Testing .....	67.37	
Note: Including Technician, 3 Readings Per Surface And Lab Fee		
02 83 19 13-0004 EA 5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee .....	64.50	
02 83 19 13-0005 EA 48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee .....	97.72	
02 83 19 13-0006 EA 24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee .....	136.81	
02 83 19 13-0007 EA 5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee .....	25.41	
02 83 19 13-0008 EA 24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee .....	39.09	
02 83 19 13-0009 EA 8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee .....	48.86	
02 83 19 13-0010 EA 5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee.....	64.50	
02 83 19 13-0011 EA 3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee.....	97.72	
02 83 19 13-0012 EA 5 Day Turnaround Lead Wipe Samples And Lab Fee.....	10.75	
02 83 19 13-0013 EA 24 Hour Turnaround Lead Wipe Samples And Lab Fee .....	14.66	
02 83 19 13-0014 EA 8 Hour Turnaround Lead Wipe Samples And Lab Fee.....	21.50	
02 83 19 13-0015 EA 5 Day Turnaround Lead Air Samples And Lab Fee .....	10.75	
02 83 19 13-0016 EA 24 Hour Turnaround Lead Air Samples And Lab Fee .....	14.66	
02 83 19 13-0017 EA 8 Hour Turnaround Lead Air Samples And Lab Fee.....	21.50	
02 83 19 13-0018 EA 5 Day Turnaround Lead Water Test and Lab Fee.....	39.09	
02 83 19 13-0019 EA 24 Hour Turnaround Lead Water Test and Lab Fee .....	58.63	
02 83 19 13-0020 EA 8 Hour Turnaround Lead Water Test and Lab Fee .....	78.18	
02 83 19 13-0021 EA 5 Day Turnaround Lead Paint Chip Test and Lab Fee.....	40.42	
02 83 19 13-0022 EA 5 Day Turnaround Lead Soil Test and Lab Fee .....	80.85	
<b>02 83 19 13-0023 Minimum Charge For Lead-Based Paint Remediation (02 83 19 13)</b>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0024	EA			Lead-Based Paint Remediation Minimum Show Up Charge ..... 1,121.39 Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.		
02 83 19 13-0025				<b>Chemical Stripping Of Lead Contaminated Material</b> <small>(02 83 19 13)</small> Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0026	SF			Balustrades, Chemical Stripping Of Lead Contaminated Material ..... 31.27 <i>For 0.025" (25 mil) Application, Add</i> 1.78 <i>For 0.03" (30 mil) Application, Add</i> 2.81		
02 83 19 13-0027	SF			Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material ..... 46.36 <i>For 0.025" (25 mil) Application, Add</i> 2.54 <i>For 0.03" (30 mil) Application, Add</i> 3.94		
02 83 19 13-0028	LF			Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material ..... 13.45 <i>For 0.025" (25 mil) Application, Add</i> 0.80 <i>For 0.03" (30 mil) Application, Add</i> 1.29 <i>For 0.125" (125 mil) Application, Add</i> 7.32		
02 83 19 13-0029	LF			>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material ..... 27.43 <i>For 0.025" (25 mil) Application, Add</i> 1.50 <i>For 0.03" (30 mil) Application, Add</i> 2.34 <i>For 0.125" (125 mil) Application, Add</i> 10.82		
02 83 19 13-0030	SF			Cornice, Chemical Stripping Of Lead Contaminated Material ..... 14.63 <i>For 0.025" (25 mil) Application, Add</i> 0.95 <i>For 0.03" (30 mil) Application, Add</i> 1.56		
02 83 19 13-0031	SF			Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material ..... 41.34 <i>For 0.025" (25 mil) Application, Add</i> 2.29 <i>For 0.03" (30 mil) Application, Add</i> 3.56		
02 83 19 13-0032	SF			Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material ..... 9.03 <i>For 0.025" (25 mil) Application, Add</i> 0.63 <i>For 0.03" (30 mil) Application, Add</i> 1.05 <i>For 0.125" (125 mil) Application, Add</i> 7.54		
02 83 19 13-0033	SF			Cabinets, Chemical Stripping Of Lead Contaminated Material ..... 26.16 <i>For 0.025" (25 mil) Application, Add</i> 1.48 <i>For 0.03" (30 mil) Application, Add</i> 2.34		
02 83 19 13-0034	SF			Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material ..... 33.32 <i>For 0.025" (25 mil) Application, Add</i> 1.84 <i>For 0.03" (30 mil) Application, Add</i> 2.87		
02 83 19 13-0035	SF			Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material ..... 12.44 <i>For 0.025" (25 mil) Application, Add</i> 0.80 <i>For 0.03" (30 mil) Application, Add</i> 1.31		
02 83 19 13-0036	SF			Columns, Chemical Stripping Of Lead Contaminated Material ..... 11.96 <i>For 0.025" (25 mil) Application, Add</i> 0.82 <i>For 0.03" (30 mil) Application, Add</i> 1.36 <i>For 0.125" (125 mil) Application, Add</i> 9.53		
02 83 19 13-0037	SF			Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material ..... 10.54 <i>For 0.025" (25 mil) Application, Add</i> 0.70 <i>For 0.03" (30 mil) Application, Add</i> 1.16		
02 83 19 13-0038	SF			Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material ..... 10.99 <i>For 0.025" (25 mil) Application, Add</i> 0.73 <i>For 0.03" (30 mil) Application, Add</i> 1.20		
02 83 19 13-0039	SF			Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated ..... 19.05 <i>For 0.025" (25 mil) Application, Add</i> 1.17 <i>For 0.03" (30 mil) Application, Add</i> 1.89		
02 83 19 13-0040	EA			Electrical Devices, Chemical Stripping Of Lead Contaminated Material ..... 54.42 <i>For 0.025" (25 mil) Application, Add</i> 3.07 <i>For 0.03" (30 mil) Application, Add</i> 4.83		
02 83 19 13-0041	LF			Door Frames, Chemical Stripping Of Lead Contaminated Material ..... 13.52 <i>For 0.025" (25 mil) Application, Add</i> 0.85 <i>For 0.03" (30 mil) Application, Add</i> 1.39		
02 83 19 13-0042	SF			Wood Floors, Chemical Stripping Of Lead Contaminated Material ..... 7.45 <i>For 0.025" (25 mil) Application, Add</i> 0.55 <i>For 0.03" (30 mil) Application, Add</i> 0.93		
02 83 19 13-0043	SF			HVAC Grilles, Chemical Stripping Of Lead Contaminated Material ..... 27.94 <i>For 0.025" (25 mil) Application, Add</i> 1.57 <i>For 0.03" (30 mil) Application, Add</i> 2.47		
02 83 19 13-0044	SF			HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material ..... 33.32 <i>For 0.025" (25 mil) Application, Add</i> 1.84 <i>For 0.03" (30 mil) Application, Add</i> 2.87		
02 83 19 13-0045	EA			Hinges, Chemical Stripping Of Lead Contaminated Material ..... 17.53 <i>For 0.025" (25 mil) Application, Add</i> 1.14 <i>For 0.03" (30 mil) Application, Add</i> 1.87		
02 83 19 13-0046	EA			Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material ..... 21.58 <i>For 0.025" (25 mil) Application, Add</i> 1.34 <i>For 0.03" (30 mil) Application, Add</i> 2.18 <i>For 0.125" (125 mil) Application, Add</i> 13.26		
02 83 19 13-0047	LF			Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material ..... 6.04 <i>For 0.025" (25 mil) Application, Add</i> 0.43 <i>For 0.03" (30 mil) Application, Add</i> 0.73 <i>For 0.125" (125 mil) Application, Add</i> 5.47		

**02 Existing Conditions****02 80 Facility Remediation****02 83 Lead Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0048	LF	>2"	To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	9.68	
			<i>For 0.025" (25 mil) Application, Add</i>	0.62	
			<i>For 0.03" (30 mil) Application, Add</i>	1.01	
			<i>For 0.125" (125 mil) Application, Add</i>	6.38	
02 83 19 13-0049	LF	>4"	To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	17.31	
			<i>For 0.025" (25 mil) Application, Add</i>	1.08	
			<i>For 0.03" (30 mil) Application, Add</i>	1.76	
			<i>For 0.125" (125 mil) Application, Add</i>	10.87	
02 83 19 13-0050	LF	>8"	To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	23.72	
			<i>For 0.025" (25 mil) Application, Add</i>	1.45	
			<i>For 0.03" (30 mil) Application, Add</i>	2.34	
			<i>For 0.125" (125 mil) Application, Add</i>	13.79	
02 83 19 13-0051	LF	>12"	To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	42.52	
			<i>For 0.025" (25 mil) Application, Add</i>	2.52	
			<i>For 0.03" (30 mil) Application, Add</i>	4.03	
			<i>For 0.125" (125 mil) Application, Add</i>	22.45	
02 83 19 13-0052	SF	>16"	Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area .....	12.70	
			<i>For 0.025" (25 mil) Application, Add</i>	0.73	
			<i>For 0.03" (30 mil) Application, Add</i>	1.15	
			<i>For 0.125" (125 mil) Application, Add</i>	6.00	
02 83 19 13-0053	EA	Up To 12	SF Radiators, Chemical Stripping Of Lead Contaminated Material.....	252.36	
			<i>For 0.025" (25 mil) Application, Add</i>	13.89	
			<i>For 0.03" (30 mil) Application, Add</i>	21.62	
02 83 19 13-0054	SF	Flat And Raised Panel	Wood Shutters, Chemical Stripping Of Lead Contaminated Material .....	17.74	
			<i>For 0.025" (25 mil) Application, Add</i>	1.38	
			<i>For 0.03" (30 mil) Application, Add</i>	2.38	
02 83 19 13-0055	SF	Louvered	Wood Shutters, Chemical Stripping Of Lead Contaminated Material.....	19.41	
			<i>For 0.025" (25 mil) Application, Add</i>	1.46	
			<i>For 0.03" (30 mil) Application, Add</i>	2.50	
02 83 19 13-0056	SF	Siding,	Chemical Stripping Of Lead Contaminated Material .....	10.11	
			<i>For 0.025" (25 mil) Application, Add</i>	0.72	
			<i>For 0.03" (30 mil) Application, Add</i>	1.22	
			<i>For 0.125" (125 mil) Application, Add</i>	9.07	
02 83 19 13-0057	SF	Soffit,	Chemical Stripping Of Lead Contaminated Material .....	21.15	
			<i>For 0.025" (25 mil) Application, Add</i>	1.23	
			<i>For 0.03" (30 mil) Application, Add</i>	1.96	
			<i>For 0.125" (125 mil) Application, Add</i>	10.57	
02 83 19 13-0058	SF	Flat Steel Surfaces,	Chemical Stripping Of Lead Contaminated Material.....	9.75	
			<i>For 0.025" (25 mil) Application, Add</i>	0.66	
			<i>For 0.03" (30 mil) Application, Add</i>	1.11	
			<i>For 0.125" (125 mil) Application, Add</i>	7.72	
02 83 19 13-0059	SF	Corrugated Steel,	Chemical Stripping Of Lead Contaminated Material .....	11.06	
			<i>For 0.025" (25 mil) Application, Add</i>	0.73	
			<i>For 0.03" (30 mil) Application, Add</i>	1.20	
			<i>For 0.125" (125 mil) Application, Add</i>	8.05	
02 83 19 13-0060	SF	Steel Beams and Columns,	Chemical Stripping Of Lead Contaminated Material.....	11.03	
			<i>For 0.025" (25 mil) Application, Add</i>	0.73	
			<i>For 0.03" (30 mil) Application, Add</i>	1.20	
			<i>For 0.125" (125 mil) Application, Add</i>	8.04	
02 83 19 13-0061	SF	Steel Trusses,	Chemical Stripping Of Lead Contaminated Material .....	15.62	
			<i>For 0.025" (25 mil) Application, Add</i>	0.96	
			<i>For 0.03" (30 mil) Application, Add</i>	1.55	
			<i>For 0.125" (125 mil) Application, Add</i>	9.19	
02 83 19 13-0062	SF	Wood Surfaces,	Chemical Stripping Of Lead Contaminated Material.....	11.03	
			<i>For 0.025" (25 mil) Application, Add</i>	0.73	
			<i>For 0.03" (30 mil) Application, Add</i>	1.20	
			<i>For 0.125" (125 mil) Application, Add</i>	8.04	
02 83 19 13-0063	SF	Windows (Sash, Sill, Jambs, Casing Trim), One Side, 1/1 Light,	Chemical Stripping Of Lead Contaminated Material.....	25.38	
			<i>For 0.025" (25 mil) Application, Add</i>	1.45	
			<i>For 0.03" (30 mil) Application, Add</i>	2.28	
02 83 19 13-0064	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 2/2 Light,	Chemical Stripping Of Lead Contaminated Material.....	27.77	
			<i>For 0.025" (25 mil) Application, Add</i>	1.56	
			<i>For 0.03" (30 mil) Application, Add</i>	2.46	
02 83 19 13-0065	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 4/4 Light,	Chemical Stripping Of Lead Contaminated Material.....	29.39	
			<i>For 0.025" (25 mil) Application, Add</i>	1.65	
			<i>For 0.03" (30 mil) Application, Add</i>	2.58	
02 83 19 13-0066	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 6/6 Light,	Chemical Stripping Of Lead Contaminated Material.....	31.02	
			<i>For 0.025" (25 mil) Application, Add</i>	1.73	
			<i>For 0.03" (30 mil) Application, Add</i>	2.70	
02 83 19 13-0067	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 8/8 Light	Chemical Stripping Of Lead Contaminated Material.....	32.64	
			<i>For 0.025" (25 mil) Application, Add</i>	1.81	
			<i>For 0.03" (30 mil) Application, Add</i>	2.82	
02 83 19 13-0068	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 10/10 Light,	Chemical Stripping Of Lead Contaminated Material.....	34.33	
			<i>For 0.025" (25 mil) Application, Add</i>	1.89	
			<i>For 0.03" (30 mil) Application, Add</i>	2.95	
02 83 19 13-0069	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 12/12 light	Chemical Stripping Of Lead Contaminated Material.....	35.91	
			<i>For 0.025" (25 mil) Application, Add</i>	1.97	
			<i>For 0.03" (30 mil) Application, Add</i>	3.07	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0070 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material .....	36.72	
For 0.025" (25 mil) Application, Add	2.01	
For 0.03" (30 mil) Application, Add	3.13	
02 83 19 13-0071 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material .....	37.55	
For 0.025" (25 mil) Application, Add	2.05	
For 0.03" (30 mil) Application, Add	3.19	
02 83 19 13-0072 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material .....	38.33	
For 0.025" (25 mil) Application, Add	2.09	
For 0.03" (30 mil) Application, Add	3.25	
02 83 19 13-0073 SF Metal Stairs, Chemical Stripping Of Lead Contaminated Material .....	50.66	
For 0.025" (25 mil) Application, Add	2.88	
For 0.03" (30 mil) Application, Add	4.54	
For 0.125" (125 mil) Application, Add	23.17	
02 83 19 13-0074 LF Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material .....	8.81	
For 0.025" (25 mil) Application, Add	0.57	
For 0.03" (30 mil) Application, Add	0.94	
For 0.125" (125 mil) Application, Add	6.16	
02 83 19 13-0075 SF Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material .....	25.76	
Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.		
For 0.025" (25 mil) Application, Add	1.55	
For 0.03" (30 mil) Application, Add	2.49	
For 0.125" (125 mil) Application, Add	14.30	
02 83 19 13-0076 SF Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material .....	28.15	
For 0.025" (25 mil) Application, Add	1.63	
For 0.03" (30 mil) Application, Add	2.57	
For 0.125" (125 mil) Application, Add	13.58	

**02 83 19 13-0077**

**Demolish Lead Contaminated Material** (02 83 19 13)

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0078 SF Demolish Ceiling Suspension System, Lead Contaminated Material .....	2.22
02 83 19 13-0079 SF Demolish Suspended Ceiling System And Tile, Lead Contaminated Material .....	1.29
02 83 19 13-0080 SF Demolish Acoustical Ceiling Tile, Lead Contaminated Material .....	0.82
02 83 19 13-0081 SF Demolish Metal Pan Grid System, Lead Contaminated Material .....	1.29
02 83 19 13-0082 EA Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material .....	62.06
02 83 19 13-0083 EA Demolish >2' x 4' Light Fixtures, Lead Contaminated Material .....	82.32
02 83 19 13-0084 SF Demolish Non Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material .....	9.19
02 83 19 13-0085 SF Demolish Non Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material .....	5.15
02 83 19 13-0086 SF Demolish Brick, Lead Contaminated Material .....	3.87
02 83 19 13-0087 SF Demolish Concrete Block, Lead Contaminated Material .....	4.99
02 83 19 13-0088 SF Demolish Tile, Lead Contaminated Material .....	3.76
02 83 19 13-0089 SF Demolish Up To 6" Concrete, Lead Contaminated Material .....	5.66
02 83 19 13-0090 IN Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth .....	4.41
02 83 19 13-0091 IN Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth .....	5.88
02 83 19 13-0092 LF Demolish Wood Balustrades And Railings, Lead Contaminated Material .....	6.43
02 83 19 13-0093 LF Demolish Up To 6" Wide Baseboard, Lead Contaminated Material .....	1.67
02 83 19 13-0094 LF Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material .....	2.09
02 83 19 13-0095 LF Demolish Base Shoe Molding, Lead Contaminated Material .....	1.36
02 83 19 13-0096 SF Demolish Concrete, Lead Contaminated Material .....	12.80
02 83 19 13-0097 LF Demolish Cabinets, Lead Contaminated Material .....	29.81
02 83 19 13-0098 SF Demolish Ceilings, Gypsum Board, Lead Contaminated Material .....	1.69
02 83 19 13-0099 SF Demolish Up To 12" Diameter Columns, Lead Contaminated Material .....	16.52
02 83 19 13-0100 SF Demolish Cornice, Lead Contaminated Material .....	2.20
02 83 19 13-0101 EA Demolish Doors, Lead Contaminated Material .....	64.68
02 83 19 13-0102 LF Demolish Door And Window Trim Or Frames, Lead Contaminated Material .....	1.97
02 83 19 13-0103 EA Demolish Electrical Devices, Lead Contaminated Material .....	19.85
02 83 19 13-0104 LF Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material .....	2.55
02 83 19 13-0105 LF Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material .....	4.24
02 83 19 13-0106 SF Demolish Wood Floors, Lead Contaminated Material .....	3.06
02 83 19 13-0107 SF Demolish Grilles, Lead Contaminated Material .....	3.60
02 83 19 13-0108 EA Demolish Hinges, Lead Contaminated Material .....	7.21
02 83 19 13-0109 EA Demolish Up To 6" Diameter Hangers, Lead Contaminated Material .....	15.50
02 83 19 13-0110 LF Demolish Up To 2" Diameter Pipes, Lead Contaminated Material .....	6.36
02 83 19 13-0111 LF Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material .....	9.27
02 83 19 13-0112 LF Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material .....	14.01
02 83 19 13-0113 LF Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material .....	25.85
02 83 19 13-0114 EA Demolish Radiators, Lead Contaminated Material .....	111.65
02 83 19 13-0115 EA Demolish Shutters, Lead Contaminated Material .....	43.51
02 83 19 13-0116 SF Demolish Siding, Lead Contaminated Material .....	1.72
02 83 19 13-0117 SF Demolish Soffit, Lead Contaminated Material .....	1.47
02 83 19 13-0118 SF Demolish Flat Steel Surfaces, Lead Contaminated Material .....	4.02
02 83 19 13-0119 SF Demolish Steel Beams, Lead Contaminated Material .....	4.74
02 83 19 13-0120 SF Demolish Trusses, Lead Contaminated Material .....	6.21
02 83 19 13-0121 SF Demolish Walls, Wood, Lead Contaminated Material .....	4.59
02 83 19 13-0122 SF Demolish Windows, Lead Contaminated Material .....	15.44
02 83 19 13-0123 SF Demolish Metal Stair, Lead Contaminated Material .....	7.39
02 83 19 13-0124 LF Demolish Single Metal Hand Rail, Lead Contaminated Material .....	5.44
02 83 19 13-0125 LF Demolish Metal Railing And Posts, Lead Contaminated Material .....	8.87

**02 Existing Conditions****02 80 Facility Remediation****02 83 Lead Remediation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 83 19 13-0126	SF	Demolish Metal Picket Fence, Lead Contaminated Material.....	2.44
02 83 19 13-0127	SF	Demolish Plywood, Lead Contaminated Material.....	6.67
02 83 19 13-0128	SF	Demolish Planks (Various Sizes), Lead Contaminated Material.....	3.26
02 83 19 13-0129	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material.....	20.38
02 83 19 13-0130	SF	Demolish Ceramic Tile Block, Lead Contaminated Material.....	4.44
02 83 19 13-0131	LF	Demolish Metal Guard Rails, Lead Contaminated Material.....	12.23
02 83 19 13-0132	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material.....	6.51
02 83 19 13-0133	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material.....	4.69
02 83 19 13-0134	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material.....	3.67
02 83 19 13-0135	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material.....	2.86
02 83 19 13-0136	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material.....	20.38
02 83 19 13-0137	SF	Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material.....	14.49
02 83 19 13-0138	SF	Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material.....	10.87
02 83 19 13-0139	SF	Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material.....	8.15
02 83 19 13-0140	LF	Demolish Rain Gutters, Lead Contaminated Material.....	4.48
02 83 19 13-0141	LF	Demolish Downspouts, Lead Contaminated Material.....	3.67
<b>02 83 19 13-0142 Wet Sanding/Scraping Of Lead Contaminated Material (02 83 19 13)</b>			
Note: Remove loose, flaking lead-based paint to prepare for painting			
02 83 19 13-0143	SF	Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting.....	3.11
<b>02 83 19 13-0144 Lead Abatement Encapsulation (02 83 19 13)</b>			
Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.			
02 83 19 13-0145	SF	Balustrades, Lead Abatement Encapsulation.....	5.68
02 83 19 13-0146	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation.....	5.60
02 83 19 13-0147	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation.....	7.60
02 83 19 13-0148	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation.....	3.66
02 83 19 13-0149	SF	Ornate Cabinets, Lead Abatement Encapsulation.....	8.20
02 83 19 13-0150	SF	Simple Design Cabinets, Lead Abatement Encapsulation.....	6.69
02 83 19 13-0151	SF	Drywall Ceilings, Lead Abatement Encapsulation.....	2.32
02 83 19 13-0152	SF	Wood Ceilings, Lead Abatement Encapsulation.....	2.81
02 83 19 13-0153	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation.....	2.61
02 83 19 13-0154	SF	Columns, Lead Abatement Encapsulation.....	4.43
02 83 19 13-0155	SF	Doors, Lead Abatement Encapsulation.....	8.39
02 83 19 13-0156	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation.....	3.70
02 83 19 13-0157	SF	Picket Fence (Brush), Lead Abatement Encapsulation.....	2.66
02 83 19 13-0158	SF	Wood Floors (Roller), Lead Abatement Encapsulation.....	2.24
02 83 19 13-0159	SF	Grilles, Vents, Lead Abatement Encapsulation.....	6.13
02 83 19 13-0160	LF	Gutters And Downspouts, Lead Abatement Encapsulation.....	5.68
02 83 19 13-0161	EA	Hangers, Lead Abatement Encapsulation.....	48.01
02 83 19 13-0162	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	3.44
02 83 19 13-0163	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	5.00
02 83 19 13-0164	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	7.76
02 83 19 13-0165	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	11.45
02 83 19 13-0166	EA	Radiators, Lead Abatement Encapsulation.....	125.31
02 83 19 13-0167	EA	Up To 6" Shutters, Lead Abatement Encapsulation.....	178.49
02 83 19 13-0168	SF	Siding, Lead Abatement Encapsulation.....	3.17
02 83 19 13-0169	SF	Up To 12" Soffit, Lead Abatement Encapsulation.....	4.43
02 83 19 13-0170	SF	Steel, Flat Surfaces And Tanks Up To 12", Lead Abatement Encapsulation.....	3.66
02 83 19 13-0171	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation.....	4.78
02 83 19 13-0172	SF	Trusses, Lead Abatement Encapsulation.....	4.78
02 83 19 13-0173	SF	Drywall Walls, Lead Abatement Encapsulation.....	2.06
02 83 19 13-0174	SF	Wood Walls, Lead Abatement Encapsulation.....	2.53
02 83 19 13-0175	EA	Window Without Grille, Lead Abatement Encapsulation.....	106.32
02 83 19 13-0176	EA	Window With Grille, Lead Abatement Encapsulation.....	136.59
02 83 19 13-0177	LF	Wood Door Frames And Trim, Lead Abatement Encapsulation.....	3.23
02 83 19 13-0178	LF	Steel Lintels, Lead Abatement Encapsulation.....	3.71
<b>02 83 33 Removal and Disposal of Material Containing Lead (02 83)</b>			
<b>02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)</b>			
<b>02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead (02 83 33 13)</b>			
02 83 33 13-0002	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent.....	0.26
02 83 33 13-0003	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate.....	0.26
02 83 33 13-0004	SF	High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting.....	1.29

**02 84 Polychlorinated Biphenyl Remediation (02 80)****02 84 16 Handling of Lighting Ballasts and Lamps Containing PBCs and Mercury (02 84)****02 84 16 00-0001 Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures (02 84 16)**

Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 84 16 00-0002 EA Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling.....	8.36	
<b>02 84 16 00-0003 Recycle TSCA-Exempt PCB And Non-PCB Ballasts (02 84 16)</b> Note: Non leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.		
02 84 16 00-0004 EA Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	1.63	
02 84 16 00-0005 EA Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	2.44	
02 84 16 00-0006 EA Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	7.61	
02 84 16 00-0007 EA Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	17.39	
<b>02 84 16 00-0008 Disposal Of Leaking PCB And Non-PCB Ballasts (02 84 16)</b> Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.		
02 84 16 00-0009 EA Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	4.08	
02 84 16 00-0010 EA Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	6.11	
02 84 16 00-0011 EA Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	11.41	
02 84 16 00-0012 EA Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	26.08	
<b>02 84 33 Removal and Disposal of Polychlorinated Biphenyls (02 84)</b>		
<b>02 84 33 00-0001 Removal And Disposal Of Polychlorinated Biphenyls Oil Filled Transformers (02 84 33)</b> Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.		
02 84 33 00-0002 EA Removal And Disposal Of Transformers 2.5/3.5 KVA, Non Polychlorinated Biphenyl (PCB).....	2,155.35	
Note: Includes disposal costs.		
02 84 33 00-0003 EA Removal And Disposal Of Transformers 20 KVA, Non Polychlorinated Biphenyl (PCB).....	3,353.24	
Note: Includes disposal costs.		
02 84 33 00-0004 EA Removal And Disposal Of Switch, Non Polychlorinated Biphenyl (PCB).....	1,004.74	
02 84 33 00-0005 EA Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB).....	3,953.32	
Note: Includes disposal costs.		
02 84 33 00-0006 EA Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB).....	1,723.24	
02 84 33 00-0007 EA Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB).....	6,182.28	
Note: Includes disposal costs.		
<b>02 87 Bio-Hazard Material Remediation (02 80)</b>		
<b>02 87 13 Mold Remediation (02 87)</b> Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0013 for decontamination chambers.		
<b>02 87 13 33 Removal and Disposal of Materials with Mold (02 87 13)</b>		
02 87 13 33-0001 Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal (02 87 13 33) Note: Treat fittings as additional lf of insulation.		
02 87 13 33-0002 Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0001) Note: Diameter is outer size of insulation.		
02 87 13 33-0003 Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002) Note: Excludes encased fittings.		
02 87 13 33-0004 SET Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	632.91	
02 87 13 33-0005 LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	24.75	
02 87 13 33-0006 LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	18.87	
02 87 13 33-0007 LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	14.45	
02 87 13 33-0008 LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	11.14	
02 87 13 33-0009 LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	9.85	
02 87 13 33-0010 >6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)		
02 87 13 33-0011 SET Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	706.10	
02 87 13 33-0012 LF >20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	31.94	
02 87 13 33-0013 LF >250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	25.17	
02 87 13 33-0014 LF >500 To 2,500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	20.10	
02 87 13 33-0015 LF >2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	16.30	
02 87 13 33-0016 LF >10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	14.80	
02 87 13 33-0017 Thermal Insulation, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0018 Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal (02 87 13 33-0017)		
02 87 13 33-0019 SET Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	669.50	
02 87 13 33-0020 SF >50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	14.74	

**02 Existing Conditions****02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....	11.36
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal .....	8.82
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....	7.05
<b>02 87 13 33-0024</b>		<b>Surfacing Material, Mold Abatement And Disposal</b> (02 87 13 33)	
		Note: e.g. fireproofing, acoustical plaster, etc.	
<b>02 87 13 33-0025</b>		<b>Stucco, Mold Abatement And Disposal</b> (02 87 13 33-0024)	
		Note: Remove surface coat from brown coat or remove entire assembly, including lath.	
02 87 13 33-0026	SET	Up To 50 SF, Stucco, Mold Abatement And Disposal.....	649.18
02 87 13 33-0027	SF	>50 To 500 SF, Stucco, Mold Abatement And Disposal .....	14.33
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal .....	10.95
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal .....	8.41
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal .....	6.53
<b>02 87 13 33-0031</b>		<b>Acoustical Plaster, Mold Abatement And Disposal</b> (02 87 13 33-0024)	
		Note: Remove surface coat from brown coat or remove entire assembly, including lath.	
02 87 13 33-0032	SET	Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal .....	649.18
02 87 13 33-0033	SF	>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal .....	14.33
02 87 13 33-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal .....	10.95
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	8.41
02 87 13 33-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	6.53
<b>02 87 13 33-0037</b>		<b>Gypsum Board, Mold Abatement And Disposal</b> (02 87 13 33-0024)	
02 87 13 33-0038	SET	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal.....	689.85
02 87 13 33-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal .....	5.19
02 87 13 33-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal .....	4.23
02 87 13 33-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal .....	3.47
02 87 13 33-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal .....	2.72
<b>02 87 13 33-0043</b>		<b>Fireproofing, Mold Abatement And Disposal</b> (02 87 13 33-0024)	
		Note: Exposed surface area, includes associated overspray.	
02 87 13 33-0044	SET	Up To 50 SF, Fireproofing, Mold Abatement And Disposal .....	669.50
02 87 13 33-0045	SF	>50 To 500 SF, Fireproofing, Mold Abatement And Disposal .....	19.86
02 87 13 33-0046	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal .....	15.22
02 87 13 33-0047	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal .....	11.72
02 87 13 33-0048	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal .....	9.10
<b>02 87 13 33-0049</b>		<b>Flooring, Mold Abatement And Disposal</b> (02 87 13 33)	
		Note: Includes cove base.	
<b>02 87 13 33-0050</b>		<b>Floor Tile Or Linoleum, Mold Abatement And Disposal</b> (02 87 13 33-0049)	
<b>02 87 13 33-0051</b>		<b>Floor Tile Or Linoleum, Mold Abatement And Disposal</b> (02 87 13 33-0050)	
		Note: Single layer or first of multiple layers.	
02 87 13 33-0052	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	689.85
02 87 13 33-0053	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal .....	5.19
		For Each Additional Layer, Add	1.29
02 87 13 33-0054	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	3.15
		For Each Additional Layer, Add	0.79
02 87 13 33-0055	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	2.07
		For Each Additional Layer, Add	0.52
02 87 13 33-0056	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal .....	1.75
		For Each Additional Layer, Add	0.44
<b>02 87 13 33-0057</b>		<b>Carpet, Mold Abatement And Disposal</b> (02 87 13 33-0049)	
<b>02 87 13 33-0058</b>		<b>Carpet, Glue Down, Mold Abatement And Disposal</b> (02 87 13 33-0057)	
02 87 13 33-0059	SET	Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal .....	689.85
02 87 13 33-0060	SF	>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal .....	4.39
02 87 13 33-0061	SF	>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	2.99
02 87 13 33-0062	SF	>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	2.19
02 87 13 33-0063	SF	>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	1.82
<b>02 87 13 33-0064</b>		<b>Carpet, Padded With Tack Strips, Mold Abatement And Disposal</b> (02 87 13 33-0057)	
02 87 13 33-0065	SET	Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal .....	689.85
		Note: Includes tack strips.	
02 87 13 33-0066	SF	>100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal.....	4.86
		Note: Includes tack strips.	
02 87 13 33-0067	SF	>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal.....	3.71
		Note: Includes tack strips.	
02 87 13 33-0068	SF	>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal.....	3.06
		Note: Includes tack strips.	



<b>Existing Conditions</b>	<b>02</b>	<b>02</b>
<b>Facility Remediation</b>	<b>02 80</b>	
<b>Bio-Hazard Material Remediation</b>	<b>02 87</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0069 SF >10,000 SF, Carpet And Pad, Mold Abatement And Disposal..... Note: Includes tack strips.	2.50	
<b>02 87 13 33-0070 Subflooring, Mold Abatement And Disposal (02 87 13 33-0049)</b>		
02 87 13 33-0071 SET Up To 75 SF, Subflooring, Mold Abatement And Disposal .....	669.50	
02 87 13 33-0072 SF >75 To 500 SF, Subflooring, Mold Abatement And Disposal.....	5.84	
02 87 13 33-0073 SF >500 To 2,500 SF, Subflooring, Mold Abatement And Disposal.....	3.96	
02 87 13 33-0074 SF >2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal.....	2.63	
02 87 13 33-0075 SF >10,000 SF, Subflooring, Mold Abatement And Disposal.....	1.90	
<b>02 87 13 33-0076 Siding, Mold Abatement And Disposal (02 87 13 33)</b>		
<b>02 87 13 33-0077 Interior Paneling, Mold Abatement And Disposal (02 87 13 33-0076)</b> Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0078 SET Up To 100 SF, Interior Paneling, Mold Abatement And Disposal .....	689.85	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0079 SF >100 To 500 SF, Interior Paneling, Mold Abatement And Disposal.....	5.15	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0080 SF >500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal.....	3.79	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0081 SF >2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal.....	2.47	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0082 SF >10,000 SF, Interior Paneling, Mold Abatement And Disposal.....	2.03	
Note: Includes detachment of mounted objects before removal.		
<b>02 87 13 33-0083 Exterior Siding, Mold Abatement And Disposal (02 87 13 33-0076)</b>		
02 87 13 33-0084 SET Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal.....	689.85	
02 87 13 33-0085 SF >100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal .....	6.25	
02 87 13 33-0086 SF >500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal .....	4.52	
02 87 13 33-0087 SF >2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal .....	3.24	
02 87 13 33-0088 SF >10,000 SF, Exterior Siding Board, Mold Abatement And Disposal .....	2.99	
<b>02 87 13 33-0089 Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)</b>		
<b>02 87 13 33-0090 Contaminated Debris, Mold Abatement And Disposal (02 87 13 33-0089)</b>		
02 87 13 33-0091 SET Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal.....	706.10	
02 87 13 33-0092 CF >20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal .....	25.93	
02 87 13 33-0093 CF >100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal .....	18.91	
02 87 13 33-0094 CF >250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal .....	15.40	
02 87 13 33-0095 CF >500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal .....	13.30	
02 87 13 33-0096 CF >2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal .....	9.48	
02 87 13 33-0097 CF >10,000 CF, Contaminated Debris, Mold Abatement And Disposal .....	9.01	
<b>02 87 13 33-0098 Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)</b>		
<b>02 87 13 33-0099 Wood Studs, Mold Abatement And Disposal (02 87 13 33-0098)</b> Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0100 SET Up To 100 LF, Wood Studs, Mold Abatement And Disposal .....	344.90	
02 87 13 33-0101 LF >100 To 500 LF, Wood Studs, Mold Abatement And Disposal.....	2.86	
02 87 13 33-0102 LF >500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal.....	2.21	
02 87 13 33-0103 LF >2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal.....	1.78	
02 87 13 33-0104 LF >10,000 LF, Wood Studs, Mold Abatement And Disposal.....	1.43	
<b>02 87 13 33-0105 Ceiling Tile, Mold Abatement And Disposal (02 87 13 33-0098)</b> Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 87 13 33-0106 SET Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal.....	689.85	
02 87 13 33-0107 SF >100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal .....	8.41	
02 87 13 33-0108 SF >1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal .....	4.27	
02 87 13 33-0109 SF >2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal .....	3.24	
02 87 13 33-0110 SF >10,000 SF, Ceiling Tile, Mold Abatement And Disposal .....	2.99	
<b>02 87 13 33-0111 Caulking, Mold Abatement And Disposal (02 87 13 33-0098)</b>		
02 87 13 33-0112 SET Up To 20 LF, Caulking, Mold Abatement And Disposal.....	153.48	
02 87 13 33-0113 LF >20 To 50 LF, Caulking, Mold Abatement And Disposal .....	3.11	
02 87 13 33-0114 LF >50 To 100 LF, Caulking, Mold Abatement And Disposal .....	2.25	
02 87 13 33-0115 LF >100 To 250 LF, Caulking, Mold Abatement And Disposal .....	1.71	
02 87 13 33-0116 LF >250 To 1,000 LF, Caulking, Mold Abatement And Disposal .....	1.29	
02 87 13 33-0117 LF >1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal .....	1.05	
02 87 13 33-0118 LF >2,500 LF, Caulking, Mold Abatement And Disposal .....	0.92	
<b>02 87 13 33-0119 Wipe Down Walls, Ceilings And Floors (02 87 13 33-0098)</b>		

**02 Existing Conditions****02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0120	CSF		Wipe Down Floors With Mild Bleach Solution .....	16.93	
			<i>For &gt;25 To 50, Deduct</i> .....	-1.69	
			<i>For &gt;50 To 200, Deduct</i> .....	-4.23	
			<i>For &gt;200, Deduct</i> .....	-6.76	
02 87 13 33-0121	CSF		Wipe Down Walls With Mild Bleach Solution .....	19.91	
			<i>For &gt;25 To 50, Deduct</i> .....	-1.99	
			<i>For &gt;50 To 200, Deduct</i> .....	-4.97	
			<i>For &gt;200, Deduct</i> .....	-7.96	
02 87 13 33-0122	CSF		Wipe Down Ceilings With Mild Bleach Solution .....	22.64	
			<i>For &gt;25 To 50, Deduct</i> .....	-2.26	
			<i>For &gt;50 To 200, Deduct</i> .....	-5.66	
			<i>For &gt;200, Deduct</i> .....	-9.05	
02 87 13 33-0123	CSF		Wipe Down Countertops With Mild Bleach Solution .....	18.46	
			<i>For &gt;25 To 50, Deduct</i> .....	-1.84	
02 87 13 33-0124	CSF		Wipe Down Other Surfaces With Mild Bleach Solution .....	23.43	
			<i>For &gt;25 To 50, Deduct</i> .....	-2.34	
			<i>For &gt;50 To 200, Deduct</i> .....	-5.85	
			<i>For &gt;200, Deduct</i> .....	-9.36	
<b>02 87 13 33-0125</b>			<b>Cabinets</b> <small>(02 87 13 33-0098)</small> .....		
02 87 13 33-0126	SET		Up To 10 LF, Base Cabinet, Mold Abatement And Disposal .....	876.25	
02 87 13 33-0127	LF		>10 To 20 LF, Base Cabinet, Mold Abatement And Disposal .....	91.27	
02 87 13 33-0128	LF		>20 LF, Base Cabinet, Mold Abatement And Disposal .....	73.03	
02 87 13 33-0129	SET		Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal .....	729.88	
02 87 13 33-0130	LF		>10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal .....	69.35	
02 87 13 33-0131	LF		>20 LF, Wall Cabinet, Mold Abatement And Disposal .....	51.11	
<b>02 87 16</b>			<b>Excrement Removal</b> <small>(02 87)</small>		
			Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.		
<b>02 87 16 13</b>			<b>Bird Excrement Removal</b> <small>(02 87 16)</small>		
<b>02 87 16 13-0001</b>			<b>Bird Waste Removal</b> <small>(02 87 16 13)</small>		
			Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.		
02 87 16 13-0002	EA		Up To 10 SF Bird Waste Removal, Up To 3" Thickness .....	608.52	
			<i>For Work In Restricted Working Space, Add</i> .....	182.56	
02 87 16 13-0003	SF		>10 To 500 SF Bird Waste Removal, Up To 3" Thickness .....	10.14	
			<i>For Work In Restricted Working Space, Add</i> .....	3.04	
02 87 16 13-0004	SF		>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness .....	9.22	
			<i>For Work In Restricted Working Space, Add</i> .....	2.77	
02 87 16 13-0005	SF		>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness .....	8.38	
			<i>For Work In Restricted Working Space, Add</i> .....	2.51	
02 87 16 13-0006	SF		>10,000 SF Bird Waste Removal, Up To 3" Thickness .....	7.62	
			<i>For Work In Restricted Working Space, Add</i> .....	2.29	
<b>02 87 19</b>			<b>Bio-Hazard and Infectious Disease Control Remediation</b> <small>(02 87)</small>		
<b>02 87 19 00-0001</b>			<b>Temporary Barriers</b> <small>(02 87 19)</small>		
<b>02 87 19 00-0002</b>			<b>Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control</b> <small>(02 87 19 00-0001)</small>		
			Note: Panels are opal or transparent. Includes self leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.		
02 87 19 00-0003	EA		4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000) .....	957.77	
02 87 19 00-0004	EA		3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001) .....	909.23	
02 87 19 00-0005	EA		2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002) .....	715.05	
02 87 19 00-0006	EA		2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1) .....	828.32	
02 87 19 00-0007	EA		6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005) .....	438.43	
02 87 19 00-0008	EA		12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006) .....	470.79	
02 87 19 00-0009	EA		3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) .....	1,467.47	
			Note: Includes a hydraulic closer and a lever style lockset standard.		
02 87 19 00-0010	EA		4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003) .....	1,629.28	
			Note: Includes a hydraulic closer and a lever style lockset standard.		
02 87 19 00-0011	EA		4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) .....	1,952.90	
			Note: Includes a hydraulic closer and a lever style lockset standard.		
02 87 19 00-0012	EA		7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004) .....	320.99	
02 87 19 00-0013	EA		7'-8" To 10' High, Outside Corner Post (Edge Guard 4007) .....	264.36	
02 87 19 00-0014	EA		7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009) .....	264.36	
02 87 19 00-0015	EA		Closure Strips (Edge Guard 3003) .....	17.70	
			Note: To seal panels to existing walls		
02 87 19 00-0016	EA		Digital Differential Pressure Gauge Kit (Edge Guard 3005) .....	450.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>02 87 19 00-0017</b> Temporary Sheeting For Bio-Hazard And Infectious Disease Control <small>(02 87 19 00-0001)</small> Note: Includes removal and disposal in approved landfill after use.		
02 87 19 00-0018 SF 6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control .....	0.54	
02 87 19 00-0019 SF 6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control .....	0.71	
02 87 19 00-0020 SF 6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control .....	0.94	
02 87 19 00-0021 SF 6 Mil Plastic Fire Retardant, Anti Static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control .....	0.64	
02 87 19 00-0022 SF 6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control .....	0.81	
02 87 19 00-0023 SF 6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control .....	1.04	
<b>02 87 19 00-0024</b> Temporary Floor Protection For Bio-Hazard And Infectious Disease Control <small>(02 87 19 00-0001)</small> Note: Includes removal after use.		
02 87 19 00-0025 SF 1/8" Thick, Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control .....	1.73	
02 87 19 00-0026 SF 1/2" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control .....	1.82	
02 87 19 00-0027 SF 3/4" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control .....	2.15	
<b>02 87 19 00-0028</b> Temporary Stud Wall For Bio-Hazard And Infectious Disease Control <small>(02 87 19 00-0001)</small> Note: Includes removal after use.		
02 87 19 00-0029 SF 1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control .....	6.19	
02 87 19 00-0030 SF 1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control .....	8.50	
02 87 19 00-0031 SF 5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control .....	6.35	
02 87 19 00-0032 SF 5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control .....	8.81	
02 87 19 00-0033 SF 6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control .....	3.73	
<b>02 87 19 00-0034</b> Isolation Barriers For Bio-Hazard And Infectious Disease Control <small>(02 87 19 00-0001)</small>		
02 87 19 00-0035 GSF Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control .....	23.89	
Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock.		
02 87 19 00-0036 GSF Relocate Tent Construction To Different Area .....	2.71	
<b>02 87 19 00-0037</b> Plexiglass Barriers For Bio-Hazard And Infectious Disease Control <small>(02 87 19 00-0001)</small>		
02 87 19 00-0038 SF 3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control .....	20.78	
02 87 19 00-0039 SF 1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control .....	24.64	
02 87 19 00-0040 SF 3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control .....	34.82	
02 87 19 00-0041 PR Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control .....	1,368.50	
Note: Excludes gloves.		
02 87 19 00-0042 PR Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control .....	490.62	
Note: For installation in glove iris port.		
02 87 19 00-0043 PR Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control .....	783.14	
Note: For installation in glove iris port.		
02 87 19 00-0044 EA 5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease Control .....	141.24	
Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).		
<b>02 87 19 00-0045</b> Temporary Portable And Mobile Trailers <small>(02 87 19)</small>		
<b>02 87 19 00-0046</b> Trailer Delivery <small>(02 87 19 00-0045)</small>		
02 87 19 00-0047 EA Deliver Trailer Within 25 Miles .....	1,168.65	
<b>02 87 19 00-0048</b> Portable And Mobile Trailers, Purchase <small>(02 87 19 00-0045)</small> Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0049 EA 8' x 24' Mobile Trailer With Toilet, Purchase .....	12,053.94	
For Tie-Downs, Add		
02 87 19 00-0050 EA 8' x 32' Mobile Trailer With Toilet, Purchase .....	17,028.26	
For Tie-Downs, Add		
02 87 19 00-0051 EA 10' x 36' Mobile Trailer With Toilet, Purchase .....	24,295.53	
For Tie-Downs, Add		
02 87 19 00-0052 EA 10' x 44' Mobile Trailer With Toilet, Purchase .....	30,358.81	
For Tie-Downs, Add		
02 87 19 00-0053 EA 10' x 50' Mobile Trailer With Toilet, Purchase .....	34,514.80	
For Tie-Downs, Add		
02 87 19 00-0054 EA 12' x 50' Mobile Trailer With Toilet, Purchase .....	36,285.40	
For Tie-Downs, Add		

**02 Existing Conditions****02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0055 EA 12' x 60' Mobile Trailer With Toilet, Purchase <i>For Tie-Downs, Add</i>	40,374.65 119.82	
<b>02 87 19 00-0056 Accessories For Portable And Mobile Trailers</b> <small>(02 87 19 00-0045)</small>		
<b>02 87 19 00-0057 Skirting</b> <small>(02 87 19 00-0056)</small> Note: Includes 2" x 4" wood framing 16" on center.		
02 87 19 00-0058 SF 1'-8" High Vinyl Covered Skirt	4.96	1.87
02 87 19 00-0059 SF 3' High Vinyl Covered Skirt	7.24	3.07
<b>02 87 19 00-0060 Aluminum Modular Access Ramp</b> <small>(02 87 19 00-0056)</small> Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
02 87 19 00-0061 EA Up To 35" High, Aluminum Modular Access Ramp	3,520.58	35.67
<b>02 87 19 00-0062 Aluminum Modular Stairs</b> <small>(02 87 19 00-0056)</small> Note: Excludes earthwork		
02 87 19 00-0063 EA Aluminum Steps For Mobile Trailers	972.75	
<b>02 87 19 00-0064 Decontamination Chambers For Bio-Hazard And Infectious Disease Control</b> <small>(02 87 19)</small> Note: Includes removal after use.		
02 87 19 00-0065 EA Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	930.23	
02 87 19 00-0066 EA Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	1,096.22	
02 87 19 00-0067 EA Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	566.56	
<b>02 87 19 00-0068 Bio-Hazard And Infectious Disease Control Cleaning, Level 2</b> <small>(02 87 19)</small> Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0138 for disposal of material into approved landfill.		
<b>02 87 19 00-0069 Bio-Hazard And Infectious Disease Control Cleaning Mobilization</b> <small>(02 87 19 00-0068)</small>		
02 87 19 00-0070 EA Bio-Hazard And Infectious Disease Control Mobilization And Set-Up Note: Mobilization and set-up minimum for each site location.	355.14	
<b>02 87 19 00-0071 Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces</b> <small>(02 87 19 00-0068)</small> Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces		
02 87 19 00-0072 CSF Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	26.34	
<i>For &gt;25 To 50, Deduct</i>	-2.63	
<i>For &gt;50 To 200, Deduct</i>	-5.26	
<i>For &gt;200, Deduct</i>	-7.89	
<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>	13.48	
<i>For Level 1 Biohazard Cleaning, Deduct</i>	-5.26	
<i>For Level 3 Biohazard Cleaning, Add</i>	8.68	
02 87 19 00-0073 CSF Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	30.98	
<i>For &gt;25 To 50, Deduct</i>	-3.10	
<i>For &gt;50 To 200, Deduct</i>	-6.19	
<i>For &gt;200, Deduct</i>	-9.29	
<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>	13.48	
<i>For Level 1 Biohazard Cleaning, Deduct</i>	-6.19	
<i>For Level 3 Biohazard Cleaning, Add</i>	10.21	
02 87 19 00-0074 CSF Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	35.24	
<i>For &gt;25 To 50, Deduct</i>	-3.52	
<i>For &gt;50 To 200, Deduct</i>	-7.04	
<i>For &gt;200, Deduct</i>	-10.56	
<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>	13.48	
<i>For Level 1 Biohazard Cleaning, Deduct</i>	-7.04	
<i>For Level 3 Biohazard Cleaning, Add</i>	11.62	
02 87 19 00-0075 CSF Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	28.73	
<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>	13.48	
<i>For &gt;5 To 10, Deduct</i>	-1.44	
<i>For &gt;10 To 50, Deduct</i>	-2.87	
<i>For &gt;50, Deduct</i>	-5.74	
<i>For Level 1 Biohazard Cleaning, Deduct</i>	-5.74	
<i>For Level 3 Biohazard Cleaning, Add</i>	9.47	
02 87 19 00-0076 CSF Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	36.45	
<i>For &gt;25 To 50, Deduct</i>	-3.64	
<i>For &gt;50 To 200, Deduct</i>	-7.28	
<i>For &gt;200, Deduct</i>	-10.93	
<i>For Cleaning Surfaces With Goldshield® GS5, Add</i>	13.48	
<i>For Level 1 Biohazard Cleaning, Deduct</i>	-7.28	
<i>For Level 3 Biohazard Cleaning, Add</i>	12.02	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**02 87 19 00-0077 Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials** (02 87 19 00-0068)

Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect

02 87 19 00-0078	EA Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....	68.06
	For Level 1 Biohazard Cleaning, Deduct	-13.61
	For Level 3 Biohazard Cleaning, Add	22.45
	For Cleaning Surfaces With Goldshield® GS5, Add	6.74
02 87 19 00-0079	EA Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....	31.24
	For Level 1 Biohazard Cleaning, Deduct	-6.24
	For Level 3 Biohazard Cleaning, Add	10.30
	For Cleaning Surfaces With Goldshield® GS5, Add	4.49
02 87 19 00-0080	EA Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....	109.63
	For Level 1 Biohazard Cleaning, Deduct	-21.92
	For Level 3 Biohazard Cleaning, Add	36.17
	For Cleaning Surfaces With Goldshield® GS5, Add	6.74
02 87 19 00-0081	EA Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....	6.77
	For Level 1 Biohazard Cleaning, Deduct	-1.35
	For Level 3 Biohazard Cleaning, Add	2.22
	For Cleaning Surfaces With Goldshield® GS5, Add	1.35
02 87 19 00-0082	EA Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up .....	101.06
	Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers	
	For Level 1 Biohazard Cleaning, Deduct	-20.21
	For Level 3 Biohazard Cleaning, Add	33.34
	For Cleaning Surfaces With Goldshield® GS5, Add	6.74
02 87 19 00-0083	EA Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up .....	10.80
	For Level 1 Biohazard Cleaning, Deduct	-2.15
	For Level 3 Biohazard Cleaning, Add	3.55
	For Cleaning Surfaces With Goldshield® GS5, Add	1.35

**02 87 19 00-0084 Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork** (02 87 19 00-0068)

02 87 19 00-0085	LF Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning .....	3.97
	For Level 1 Biohazard Cleaning, Deduct	-0.79
	For Level 3 Biohazard Cleaning, Add	1.30
02 87 19 00-0086	LF >2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning .....	4.99
	For Level 1 Biohazard Cleaning, Deduct	-0.99
	For Level 3 Biohazard Cleaning, Add	1.63
02 87 19 00-0087	LF >4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning .....	6.69
	For Level 1 Biohazard Cleaning, Deduct	-1.32
	For Level 3 Biohazard Cleaning, Add	2.17
02 87 19 00-0088	LF >8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning .....	9.46
	For Level 1 Biohazard Cleaning, Deduct	-1.85
	For Level 3 Biohazard Cleaning, Add	3.05
02 87 19 00-0089	EA Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning .....	177.60
	For Level 1 Biohazard Cleaning, Deduct	-35.51
	For Level 3 Biohazard Cleaning, Add	58.60
02 87 19 00-0090	SF Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning .....	12.36
	For Level 1 Biohazard Cleaning, Deduct	-2.47
	For Level 3 Biohazard Cleaning, Add	4.07
02 87 19 00-0091	EA Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning .....	118.41
	For Level 1 Biohazard Cleaning, Deduct	-23.68
	For Level 3 Biohazard Cleaning, Add	39.07
02 87 19 00-0092	EA Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning .....	355.17
	For Level 1 Biohazard Cleaning, Deduct	-71.03
	For Level 3 Biohazard Cleaning, Add	117.20
02 87 19 00-0093	EA Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning .....	29.62
	Note: Includes removal and reinstallation.	
	For Level 1 Biohazard Cleaning, Deduct	-5.92
	For Level 3 Biohazard Cleaning, Add	9.76
02 87 19 00-0094	SF Apply Sporicidin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning .....	0.54
	For Level 1 Biohazard Cleaning, Deduct	-0.10
	For Level 3 Biohazard Cleaning, Add	0.16
02 87 19 00-0095	SF Apply Goldshield® GS5 Antimicrobial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning .....	0.62
	For Level 1 Biohazard Cleaning, Deduct	-0.10
	For Level 3 Biohazard Cleaning, Add	0.16

**02 87 19 00-0096 Bio-Hazard And Infectious Disease Control Equipment Rental** (02 87 19)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0097	DAY Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up .....	141.76
02 87 19 00-0098	WK Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up .....	603.81
02 87 19 00-0099	MO Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up .....	1,690.66

**02 Existing Conditions****02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0100 DAY Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up.....	144.42	
02 87 19 00-0101 WK Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up.....	397.14	
02 87 19 00-0102 MO Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up.....	1,083.12	
02 87 19 00-0103 DAY Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up.....	45.69	
02 87 19 00-0104 WK Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up.....	125.65	
02 87 19 00-0105 MO Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up.....	342.68	
02 87 19 00-0106 DAY Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	81.38	
02 87 19 00-0107 WK Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	334.24	
02 87 19 00-0108 MO Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	1,009.97	
02 87 19 00-0109 EA High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Clean-up..... Note: Required if over 800 hours operation.	173.27	
02 87 19 00-0110 DAY 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	456.46	
02 87 19 00-0111 WK 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	912.91	
02 87 19 00-0112 MO 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,825.82	
02 87 19 00-0113 DAY 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	608.61	
02 87 19 00-0114 WK 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,217.22	
02 87 19 00-0115 MO 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	2,434.43	
02 87 19 00-0116 DAY 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	906.78	
02 87 19 00-0117 WK 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,813.57	
02 87 19 00-0118 MO 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	3,627.13	
02 87 19 00-0119 DAY 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,209.04	
02 87 19 00-0120 WK 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	2,418.09	
02 87 19 00-0121 MO 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	4,836.18	
02 87 19 00-0122 DAY 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,511.31	
02 87 19 00-0123 WK 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	3,022.61	
02 87 19 00-0124 MO 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	6,045.22	
02 87 19 00-0125 EA Set-Up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up..... Note: Includes staking down tent.	108.22	
02 87 19 00-0126 EA Set-Up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up..... Note: Includes staking down tent.	216.43	
02 87 19 00-0127 EA Set-Up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up..... Note: Includes staking down tent.	649.29	
02 87 19 00-0128 EA Set-Up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up..... Note: Includes staking down tent.	1,298.59	
02 87 19 00-0129 EA Set-Up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up..... Note: Includes staking down tent.	2,164.32	
02 87 19 00-0130 DAY Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up.....	99.81	
02 87 19 00-0131 WK Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up.....	274.48	
02 87 19 00-0132 MO Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up.....	748.59	
<b>02 87 19 00-0133 Bio-Hazard And Infectious Disease Control Hauling By Truck</b> <small>(02 87 19)</small> Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.		
02 87 19 00-0134 EA Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up..... Note: Each first 15 miles per trip	101.56	
<i>For Each Additional Mile Over First 15 Miles, Add Per Mile</i>	1.27	
02 87 19 00-0135 EA Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Clean Up..... Note: Each first 15 miles per trip	173.95	
<i>For Each Additional Mile Over First 15 Miles, Add Per Mile</i>	2.17	
02 87 19 00-0136 EA Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up..... Note: Each first 15 miles per trip	179.84	
<i>For Each Additional Mile Over First 15 Miles, Add Per Mile</i>	2.25	
02 87 19 00-0137 EA Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up..... Note: Each first 15 miles per trip	174.31	
<i>For Each Additional Mile Over First 15 Miles, Add Per Mile</i>	2.18	
<b>02 87 19 00-0138 Bio-Hazard And Infectious Disease Control Disposal</b> <small>(02 87 19)</small> Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0139 CY Bio-Hazard And Infectious Disease Control Landfill Dump Fee.....	131.73	
<b>02 87 19 00-0140 BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters</b> <small>(02 87 19)</small> Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.		
02 87 19 00-0141 EA 20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P).....	41,809.87	
02 87 19 00-0142 EA 7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST).....	4,019.33	
02 87 19 00-0143 EA Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04).....	6,650.36	
02 87 19 00-0144 SF Sub Flooring For Medical Shelter (AKS-AB846).....	6.19	
02 87 19 00-0145 EA Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5).....	1,825.39	
02 87 19 00-0146 EA Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5).....	29,897.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0147 EA 3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915).....	1,042.10	
02 87 19 00-0148 EA Negative Pressure Isolation (NPI) System (AK-NPIS-5)..... Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case	47,058.20	
02 87 19 00-0149 EA 6' Step Ladder (AKS-AC595).....	283.10	
02 87 19 00-0150 EA 10 Lbs Sledgehammer (AKS-AA268).....	86.24	
<b>02 87 19 00-0151 Bio-Hazard And Infectious Disease Time And Material Tasks (02 87 19)</b> Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
<b>02 87 19 00-0152 Bio-Hazard And Infectious Disease Control Labor (02 87 19 00-0151)</b> Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0153 HR General Laborer For Bio-Hazard And Infectious Disease Control Clean Up .....	94.48	
02 87 19 00-0154 HR Skilled Tradesman For Bio-Hazard And Infectious Disease Control Clean Up.....	129.25	
02 87 19 00-0155 HR Biohazard Technician For Bio-Hazard And Infectious Disease Control Clean Up .....	101.25	
02 87 19 00-0156 HR Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Clean Up .....	121.74	
02 87 19 00-0157 HR Project Manager For Bio-Hazard And Infectious Disease Control Clean Up .....	133.89	
<b>02 87 19 00-0158 Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment (02 87 19 00-0151)</b> Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0159 EA Tyvek Coveralls For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	15.13	
02 87 19 00-0160 EA Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	24.81	
02 87 19 00-0161 PR Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	16.08	
02 87 19 00-0162 EA Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	116.39	
02 87 19 00-0163 EA Cartridge - Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	52.84	
02 87 19 00-0164 EA Full Face Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	355.09	
02 87 19 00-0165 EA 14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	48.54	
02 87 19 00-0166 EA 19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	88.19	
02 87 19 00-0167 BOX Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	27.41	
02 87 19 00-0168 EA Gloves - Rubber (Heavy Duty) For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	23.41	
02 87 19 00-0169 EA Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	2,373.51	
02 87 19 00-0170 <b>Bio-Hazard And Infectious Disease Control Expendables (02 87 19 00-0151)</b> Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0033 for temporary walls.		
02 87 19 00-0171 GAL Bleach For Bio-Hazard And Infectious Disease Control Clean-up.....	11.79	
02 87 19 00-0172 EA N95 Masks For Bio-Hazard And Infectious Disease Control Clean-up .....	3.90	
02 87 19 00-0173 GAL Disinfectant/Antimicrobial For Bio-Hazard And Infectious Disease Control Clean Up .....	115.55	
02 87 19 00-0174 GAL Goldshield® G55 Antimicrobial Concentrate For Bio-Hazard And Infectious Disease Control Clean-up .....	323.42	
02 87 19 00-0175 QT Hand Sanitizer For Bio-Hazard And Infectious Disease Control Clean-up .....	12.28	
02 87 19 00-0176 EA Sponges - Dry For Bio-Hazard And Infectious Disease Control Clean-up .....	5.78	
02 87 19 00-0177 ROL Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Clean-up .....	15.04	
02 87 19 00-0178 EA UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Clean-up .....	70.66	
02 87 19 00-0179 ROL Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Clean-up .....	60.61	
02 87 19 00-0180 LB Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Clean-up .....	8.96	
02 87 19 00-0181 EA Wyp-AIIs, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Clean-up.....	18.06	
02 87 19 00-0182 ROL 6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Clean Up .....	186.59	
<b>02 89 Hazmat Ancillary Tasks and Support (02 80)</b>		
<b>02 89 00 00-0001 Barriers And Protection (02 89)</b> Note: Includes removal and disposal after use.		
<b>02 89 00 00-0002 Isolation Barriers (02 89 00 00-0001)</b> See CSI section 01 56 16 00-0033 for temporary stud walls.		
<b>02 89 00 00-0003 Hazmat Containment Construction Plastic Sheeting (02 89 00 00-0001)</b>		

**02 Existing Conditions****02 80 Facility Remediation****02 89 Hazmat Ancillary Tasks and Support**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 89 00 00-0004 SF 4 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction .....	0.35	
02 89 00 00-0005 SF 6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction .....	0.38	
02 89 00 00-0006 SF 4 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction .....	0.44	
02 89 00 00-0007 SF 6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction .....	0.50	
02 89 00 00-0008 SF 4 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction .....	0.59	
02 89 00 00-0009 SF 6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction .....	0.66	
02 89 00 00-0010 SF 6 Mil Plastic Fire Retardant, Anti Static Sheeting, Applied To Floors, Hazmat Containment Construction .....	0.64	
02 89 00 00-0011 SF 6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction.....	0.81	
02 89 00 00-0012 SF 6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction .....	1.05	
<b>02 89 00 00-0013 Decontamination Chambers (02 89)</b> Note: Includes removal after use.		
02 89 00 00-0014 EA 3 Stage Portable Personnel Decontamination Wash Facility .....	932.45	
Note: Includes connection to negative air system.		
02 89 00 00-0015 EA 5 Stage Portable Personnel Decontamination Wash Facility .....	1,098.88	
Note: Includes connection to negative air system.		
02 89 00 00-0016 EA Portable Waste Decontamination Unit .....	568.34	
Note: Includes connection to negative air system.		
For Dismantling And Relocation To A Different Area, Add		361.13
<b>02 90 Disaster Recovery (02)</b> Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.		
<b>02 90 50 Cleaning and Disaster Clean-up (02 90)</b>		
<b>02 90 50 00-0001 Non-Mold Contaminated Wet Material Removal (02 90 50)</b> Note: For materials not requiring mold abatement.		
02 90 50 00-0002 SY Wet Broadloom Carpet Removal For Disaster Clean-up .....	23.30	
02 90 50 00-0003 SY Wet Carpet Tile Removal For Disaster Clean-up .....	5.67	
02 90 50 00-0004 SF Wet Batt Insulation Removal For Disaster Clean-up.....	0.47	
02 90 50 00-0005 SF Wet Ceiling Tile Removal For Disaster Clean-up.....	0.57	
02 90 50 00-0006 SF Single Layer, Wet Gypsum Board Removal For Disaster Clean-up.....	0.55	
02 90 50 00-0007 SF Double Layer, Wet Gypsum Board Removal For Disaster Clean-up .....	0.87	
<b>02 90 50 00-0008 Cleaning (02 90 50)</b> Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required		
<b>02 90 50 00-0009 Clean Furnishings (02 90 50 00-0008)</b>		
02 90 50 00-0010 EA Office Equipment, Exterior Wipe For Disaster Clean-up .....	27.80	
For Medium Clean, Add	11.68	
For Heavy Clean, Add	36.14	
02 90 50 00-0011 SF Bookcase (Per SF Of Face Area), Light Clean For Disaster Clean-up .....	1.55	
For Medium Clean, Add	0.65	
For Heavy Clean, Add	2.02	
02 90 50 00-0012 LF Shelving, Light Clean For Disaster Clean-up .....	2.78	
For Medium Clean, Add	1.17	
For Heavy Clean, Add	3.61	
02 90 50 00-0013 EA Plastic Or Metal Chair, Light Clean For Disaster Clean-up .....	8.03	
For Medium Clean, Add	3.37	
For Heavy Clean, Add	10.44	
02 90 50 00-0014 EA Upholstered Chair, Light Clean For Disaster Clean-up .....	25.95	
For Medium Clean, Add	10.90	
For Heavy Clean, Add	33.74	
02 90 50 00-0015 EA Upholstered Sofa, Light Clean For Disaster Clean-up .....	159.98	
For Medium Clean, Add	67.19	
For Heavy Clean, Add	207.97	
02 90 50 00-0016 EA Desk, Light Clean For Disaster Clean-up.....	32.74	
For Medium Clean, Add	13.75	
For Heavy Clean, Add	42.56	
02 90 50 00-0017 EA Table, Light Clean For Disaster Clean-up.....	30.89	
For Medium Clean, Add	12.97	
For Heavy Clean, Add	40.16	
02 90 50 00-0018 EA Two Drawer File Cabinet, Light Clean For Disaster Clean-up .....	6.77	
For Medium Clean, Add	2.84	
For Heavy Clean, Add	8.80	
02 90 50 00-0019 EA Four Drawer File Cabinet, Light Clean For Disaster Clean-up.....	8.66	
For Medium Clean, Add	3.64	
For Heavy Clean, Add	11.26	
02 90 50 00-0020 LF Base Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up.....	7.11	
For Medium Clean, Add	2.99	
For Heavy Clean, Add	9.24	
02 90 50 00-0021 LF Base Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up .....	13.90	
For Medium Clean, Add	5.84	
For Heavy Clean, Add	18.07	
02 90 50 00-0022 LF Wall Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up .....	7.11	
For Medium Clean, Add	2.99	
For Heavy Clean, Add	9.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0023 LF Wall Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up .....	12.35	
<i>For Medium Clean, Add</i>	5.19	
<i>For Heavy Clean, Add</i>	16.06	
02 90 50 00-0024 EA Picture Frame, Glass And Back, Light Clean For Disaster Clean-up.....	2.96	
<i>For Medium Clean, Add</i>	1.24	
<i>For Heavy Clean, Add</i>	3.85	
<b>02 90 50 00-0025 Clean Hard Surfaces (02 90 50 00-0008)</b>		
02 90 50 00-0026 LF Wood, Vinyl Or Rubber Baseboard, Light Clean For Disaster Clean-up.....	0.40	
<i>For Medium Clean, Add</i>	0.17	
<i>For Heavy Clean, Add</i>	0.52	
02 90 50 00-0027 EA Door And Hardware (Per Side), Light Clean For Disaster Clean-up.....	5.25	
<i>For Medium Clean, Add</i>	2.21	
<i>For Heavy Clean, Add</i>	6.83	
02 90 50 00-0028 EA Detailed Door And Hardware (Per Side), Light Clean For Disaster Clean-up.....	5.95	
<i>For Medium Clean, Add</i>	2.50	
<i>For Heavy Clean, Add</i>	7.74	
02 90 50 00-0029 SF Overhead Door, Light Clean For Disaster Clean-up .....	0.42	
<i>For Medium Clean, Add</i>	0.18	
<i>For Heavy Clean, Add</i>	0.55	
02 90 50 00-0030 SF Mirror, Light Clean For Disaster Clean-up .....	0.31	
<i>For Medium Clean, Add</i>	0.13	
<i>For Heavy Clean, Add</i>	0.40	
02 90 50 00-0031 SF Window, Light Clean For Disaster Clean-up.....	0.91	
<i>For Medium Clean, Add</i>	0.38	
<i>For Heavy Clean, Add</i>	1.18	
02 90 50 00-0032 LF Handrail, Light Clean For Disaster Clean-up .....	0.81	
<i>For Medium Clean, Add</i>	0.34	
<i>For Heavy Clean, Add</i>	1.05	
02 90 50 00-0033 LF Bumper Rail, Light Clean For Disaster Clean-up .....	0.44	
<i>For Medium Clean, Add</i>	0.18	
<i>For Heavy Clean, Add</i>	0.57	
02 90 50 00-0034 SF Hard Floor, Light Clean For Disaster Clean-up.....	0.36	
<i>For Medium Clean, Add</i>	0.15	
<i>For Heavy Clean, Add</i>	0.47	
02 90 50 00-0035 SF Carpet, Light Clean For Disaster Clean-up.....	0.37	
<i>For Medium Clean, Add</i>	0.16	
<i>For Heavy Clean, Add</i>	0.48	
02 90 50 00-0036 SF Hard Ceiling, Light Clean For Disaster Clean-up.....	0.28	
<i>For Medium Clean, Add</i>	0.12	
<i>For Heavy Clean, Add</i>	0.36	
02 90 50 00-0037 SF Suspended Ceiling, Tile And Grid, Light Clean For Disaster Clean-up.....	0.31	
<i>For Medium Clean, Add</i>	0.13	
<i>For Heavy Clean, Add</i>	0.40	
02 90 50 00-0038 SF Ceramic Tile Wall, Light Clean For Disaster Clean-up.....	0.26	
<i>For Medium Clean, Add</i>	0.11	
<i>For Heavy Clean, Add</i>	0.34	
02 90 50 00-0039 SF Wall, Light Clean For Disaster Clean-up.....	0.19	
<i>For Medium Clean, Add</i>	0.08	
<i>For Heavy Clean, Add</i>	0.25	
02 90 50 00-0040 SF Masonry Wall, Light Clean For Disaster Clean-up.....	0.26	
<i>For Medium Clean, Add</i>	0.11	
<i>For Heavy Clean, Add</i>	0.34	
02 90 50 00-0041 EA Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	65.15	
Note: Includes removal from site, cleaning, and return.		
<i>For Medium Clean, Add</i>	27.36	
<i>For Heavy Clean, Add</i>	84.70	
02 90 50 00-0042 EA >24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	81.43	
Note: Includes removal from site, cleaning, and return.		
<i>For Medium Clean, Add</i>	34.20	
<i>For Heavy Clean, Add</i>	105.86	
02 90 50 00-0043 EA >96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	97.71	
Note: Includes removal from site, cleaning, and return.		
<i>For Medium Clean, Add</i>	41.04	
<i>For Heavy Clean, Add</i>	127.02	
02 90 50 00-0044 EA >140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	114.00	
<i>For Medium Clean, Add</i>	47.88	
<i>For Heavy Clean, Add</i>	148.20	
<b>02 90 50 00-0045 Clean Window Treatments (02 90 50 00-0008)</b>		
02 90 50 00-0046 SF Window Blind, Light Clean For Disaster Clean-up.....	0.71	
<i>For Medium Clean, Add</i>	0.30	
<i>For Heavy Clean, Add</i>	0.92	
02 90 50 00-0047 EA Up To 6' Long Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.45	
<i>For Medium Clean, Add</i>	0.61	
<i>For Heavy Clean, Add</i>	1.89	
02 90 50 00-0048 EA Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.67	
<i>For Medium Clean, Add</i>	0.70	
<i>For Heavy Clean, Add</i>	2.17	
02 90 50 00-0049 EA >6' To 8' Drapery (Per Pleat), Light Clean For Disaster Clean-up .....	1.52	
<i>For Medium Clean, Add</i>	0.64	
<i>For Heavy Clean, Add</i>	1.98	

**02 Existing Conditions****02 90 Disaster Recovery****02 90 50 Cleaning and Disaster Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0050 EA >6' To 8' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.75	
For Medium Clean, Add	0.74	
For Heavy Clean, Add	2.28	
02 90 50 00-0051 EA >8' To 10' Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.86	
For Medium Clean, Add	0.78	
For Heavy Clean, Add	2.42	
02 90 50 00-0052 EA >8' To 10' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	2.14	
For Medium Clean, Add	0.90	
For Heavy Clean, Add	2.78	
<b>02 90 50 00-0053 Clean Appliances (02 90 50 00-0008)</b>		
02 90 50 00-0054 EA Microwave Oven, Outside, Light Clean For Disaster Clean-up.....	12.80	
For Medium Clean, Add	5.38	
For Heavy Clean, Add	16.64	
02 90 50 00-0055 EA Refrigerator, Outside, Light Clean For Disaster Clean-up.....	30.15	
For Medium Clean, Add	12.66	
For Heavy Clean, Add	39.20	
02 90 50 00-0056 EA Range, Outside, Light Clean For Disaster Clean-up.....	26.06	
For Medium Clean, Add	10.95	
For Heavy Clean, Add	33.88	
<b>02 90 50 00-0057 Clean Plumbing (02 90 50 00-0008)</b>		
02 90 50 00-0058 EA Water Heater, Light Clean For Disaster Clean-up.....	18.54	
For Medium Clean, Add	7.79	
For Heavy Clean, Add	24.10	
02 90 50 00-0059 EA Plumbing Fixture, Light Clean For Disaster Clean-up.....	18.72	
For Medium Clean, Add	7.86	
For Heavy Clean, Add	24.34	
02 90 50 00-0060 EA Restroom Accessory, Light Clean For Disaster Clean-up.....	8.59	
For Medium Clean, Add	3.61	
For Heavy Clean, Add	11.17	
<b>02 90 50 00-0061 Clean HVAC (02 90 50 00-0008)</b>		
02 90 50 00-0062 LF Baseboard Heater, Light Clean For Disaster Clean-up.....	5.53	
For Medium Clean, Add	2.32	
For Heavy Clean, Add	7.19	
02 90 50 00-0063 LF Ductwork, Exterior Wipe, Light Clean For Disaster Clean-up.....	15.45	
For Medium Clean, Add	6.49	
For Heavy Clean, Add	20.09	
02 90 50 00-0064 EA Ductwork, Interior (Per Grille/Register), Light Clean For Disaster Clean-up.....	59.30	
For Medium Clean, Add	24.91	
For Heavy Clean, Add	77.09	
02 90 50 00-0065 EA Grille/Register, Light Clean For Disaster Clean-up.....	5.56	
For Medium Clean, Add	2.34	
For Heavy Clean, Add	7.23	
02 90 50 00-0066 EA Air Handling Unit, Exterior Wipe, Light Clean For Disaster Clean-up.....	38.51	
For Medium Clean, Add	16.17	
For Heavy Clean, Add	50.06	
02 90 50 00-0067 EA Furnace, Exterior Wipe, Light Clean For Disaster Clean-up.....	34.29	
For Medium Clean, Add	14.40	
For Heavy Clean, Add	44.58	
<b>02 90 50 00-0068 Clean Electrical (02 90 50 00-0008)</b>		
02 90 50 00-0069 EA Electric Fan, Light Clean For Disaster Clean-up.....	22.86	
For Medium Clean, Add	9.60	
For Heavy Clean, Add	29.72	
02 90 50 00-0070 EA Ceiling Fan, Light Clean For Disaster Clean-up.....	24.71	
For Medium Clean, Add	10.38	
For Heavy Clean, Add	32.12	
02 90 50 00-0071 EA Ceiling Fan And Light, Light Clean For Disaster Clean-up.....	32.12	
For Medium Clean, Add	13.49	
For Heavy Clean, Add	41.76	
02 90 50 00-0072 EA Ceiling Exhaust Fan, Light Clean For Disaster Clean-up.....	22.54	
For Medium Clean, Add	9.47	
For Heavy Clean, Add	29.30	
02 90 50 00-0073 EA 2' x 4' Light Fixture, Light Clean For Disaster Clean-up.....	14.83	
For Medium Clean, Add	6.23	
For Heavy Clean, Add	19.28	
02 90 50 00-0074 EA Light Fixture, Light Clean For Disaster Clean-up.....	6.79	
For Medium Clean, Add	2.85	
For Heavy Clean, Add	8.83	
02 90 50 00-0075 EA Smoke Detector, Light Clean For Disaster Clean-up.....	5.25	
For Medium Clean, Add	2.21	
For Heavy Clean, Add	6.83	
02 90 50 00-0076 EA Thermostat, Light Clean For Disaster Clean-up.....	1.85	
For Medium Clean, Add	0.78	
For Heavy Clean, Add	2.41	
<b>02 90 50 00-0077 Thermal Fog (02 90 50 00-0008)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0078 CF Clean And Deodorize Building With Thermal Fog For Disaster Clean-up.....	0.02	
<b>02 90 50 00-0079 Contents Manipulation (02 90 50)</b>		
02 90 50 00-0080 SF Cover Contents With 6 Mil Plastic Sheeting For Disaster Clean-up.....	0.24	
02 90 50 00-0081 SF Floor Protection, Adhesive Film For Disaster Clean-up.....	0.29	
02 90 50 00-0082 SF Move Contents Out And Later Reset For Disaster Clean-up.....	0.49	
02 90 50 00-0083 MO 20' Long Job Site Storage Trailer For Disaster Clean-up.....	202.58	
02 90 50 00-0084 MO 40' Long Job Site Storage Trailer For Disaster Clean-up.....	268.66	
02 90 50 00-0085 EA Delivery Or Pickup Job Site Storage Trailer For Disaster Clean-up.....	143.67	
<b>02 90 50 00-0086 Water Disaster Clean-up (02 90 50)</b>		
02 90 50 00-0087 LF Detach Baseboard For Disaster Clean-up.....	0.67	
02 90 50 00-0088 LF Detach And Later Reset Baseboard For Disaster Clean-up.....	1.19	
02 90 50 00-0089 EA Block And Pad Furniture (Per Piece Of Furniture) For Disaster Clean-up.....	4.36	
02 90 50 00-0090 SF Water Extraction From Floor For Disaster Clean-up.....	0.45	
02 90 50 00-0091 SF Gray Water Extraction From Floor For Disaster Clean-up.....	0.73	
02 90 50 00-0092 SF Black Water Extraction From Floor For Disaster Clean-up.....	1.16	
02 90 50 00-0093 SF Tear Out Wet Non Salvageable Carpet For Disaster Clean-up.....	0.36	
02 90 50 00-0094 SF Tear Out Wet Non Salvageable Carpet, Black Water For Disaster Clean-up.....	0.43	
02 90 50 00-0095 SF Tear Out Wet Non Salvageable Glue Down Carpet For Disaster Clean-up.....	0.64	
02 90 50 00-0096 SF Tear Out Wet Non Salvageable Glue Down Carpet, Black Water For Disaster Clean-up.....	0.94	
02 90 50 00-0097 SF Tear Out Vinyl Flooring For Disaster Clean-up.....	0.89	
02 90 50 00-0098 SF Tear Out Vinyl Flooring, Black Water For Disaster Clean-up.....	1.30	
02 90 50 00-0099 SF Tear Out Wood Flooring, Black Water For Disaster Clean-up.....	3.38	
02 90 50 00-0100 SF Tear Out Laminated Wood Flooring For Disaster Clean-up.....	1.66	
02 90 50 00-0101 SF Tear Out Laminated Wood Flooring, Black Water For Disaster Clean-up.....	2.44	
02 90 50 00-0102 SF Tear Out Wet Ceiling Tile For Disaster Clean-up.....	0.28	
02 90 50 00-0103 SF Tear Out Batt Insulation For Disaster Clean-up.....	0.28	
02 90 50 00-0104 SF Tear Out Wet Gypsum Board For Disaster Clean-up.....	0.48	
02 90 50 00-0105 SF Apply Antimicrobial Agent For Disaster Clean-up.....	0.27	
02 90 50 00-0106 SF High Efficiency Particulate Air (HEPA) Vacuuming For Disaster Clean-up.....	0.35	
<b>02 90 50 00-0107 Board Up And Tarp Up (02 90 50)</b>		
02 90 50 00-0108 SF Polyethylene Tarp On Roof For Disaster Clean-up.....	0.28	
02 90 50 00-0109 SF 1/2" Temporary Plywood On Roof For Disaster Clean-up.....	2.02	
02 90 50 00-0110 SF 5/8" Temporary Plywood On Roof For Disaster Clean-up.....	2.26	
02 90 50 00-0111 SF 3/4" Temporary Plywood On Roof For Disaster Clean-up.....	2.50	
02 90 50 00-0112 SF 1/2" Temporary Plywood On Wall Or Windows For Disaster Clean-up.....	2.39	
02 90 50 00-0113 SF 5/8" Temporary Plywood On Wall Or Windows For Disaster Clean-up.....	2.63	
02 90 50 00-0114 SF 3/4" Temporary Plywood On Wall Or Windows For Disaster Clean-up.....	2.87	
<b>02 90 50 00-0115 Minimum Charges (02 90 50)</b>		
02 90 50 00-0116 EA Disaster Cleaning Minimum Charge.....	1,301.11	
02 90 50 00-0117 EA Disaster Water Extraction Minimum Charge.....	279.87	
02 90 50 00-0118 EA Disaster Carpet Cleaning Minimum Charge.....	260.83	
<b>02 90 50 00-0119 Document Restoration (02 90 50)</b>		
02 90 50 00-0120 EA Book Rebinding, Each For Document Restoration.....	134.70	
02 90 50 00-0121 EA Book Recasing, Each For Document Restoration.....	67.34	
02 90 50 00-0122 EA Boxes-MCS, 1.2 CF For Document Restoration.....	8.46	
02 90 50 00-0123 EA Boxes-MCS, 2.0 CF For Document Restoration.....	9.33	
02 90 50 00-0124 EA Boxes Bankers For Document Restoration.....	21.52	
02 90 50 00-0125 EA Boxes Standard Packout For Document Restoration.....	5.41	
02 90 50 00-0126 EA Boxes X Ray For Document Restoration.....	13.48	
02 90 50 00-0127 EA CD Scanning and Diagnostics, Each For Document Restoration.....	13.48	
02 90 50 00-0128 EA Cleaning Antique Books, Each For Document Restoration.....	404.07	
02 90 50 00-0129 EA Cleaning Catheter Roll, Per Roll For Document Restoration.....	53.86	
02 90 50 00-0130 EA Cleaning CD And DVD, Per Disc For Document Restoration.....	5.41	
02 90 50 00-0131 EA Cleaning Level 1 - Blue Prints, Each For Document Restoration.....	3.78	
02 90 50 00-0132 CF Cleaning Level 1 - Document Per CF For Document Restoration.....	117.17	
02 90 50 00-0133 EA Cleaning Level 1 - Linen, Each For Document Restoration.....	3.78	
02 90 50 00-0134 EA Cleaning Level 1 - Mylar, Each For Document Restoration.....	3.78	
02 90 50 00-0135 EA Cleaning Level 2 - Blue Print, Each For Document Restoration.....	4.70	
02 90 50 00-0136 CF Cleaning Level 2 - Document Per CF For Document Restoration.....	175.60	
02 90 50 00-0137 EA Cleaning Level 2 - Linen, Each For Document Restoration.....	4.70	
02 90 50 00-0138 EA Cleaning Level 2 - Mylar, Each For Document Restoration.....	4.70	
02 90 50 00-0139 EA Cleaning Level 3 - Blue Prints, Each For Document Restoration.....	6.66	
02 90 50 00-0140 CF Cleaning Level 3 - Document Per CF For Document Restoration.....	234.31	
02 90 50 00-0141 EA Cleaning Level 3 - Linen, Each For Document Restoration.....	6.66	
02 90 50 00-0142 EA Cleaning Level 3 - Mylar, Each For Document Restoration.....	6.66	
02 90 50 00-0143 EA Cleaning Level 4 - All Fire-Blue Print, Each For Document Restoration.....	9.34	
02 90 50 00-0144 EA Cleaning Level 4 - All Fire-Linen, Each For Document Restoration.....	9.34	
02 90 50 00-0145 EA Cleaning Level 4 - All Fire-Mylar, Each For Document Restoration.....	9.34	
02 90 50 00-0146 CF Cleaning Level 4 - Light Fire-Docum Per CF For Document Restoration.....	292.83	
02 90 50 00-0147 EA Cleaning Level 5 - Severe Fire-Blue Print, Each For Document Restoration.....	10.35	

**02 Existing Conditions****02 90 Disaster Recovery****02 90 50 Cleaning and Disaster Clean-up**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 90 50 00-0148	CF	Cleaning Level 5 - Severe Fire-Documnet Per CF For Document Restoration.....	439.38	
02 90 50 00-0149	EA	Cleaning Level 5 - Severe Fire-Linen, Each For Document Restoration.....	10.35	
02 90 50 00-0150	EA	Cleaning Level 5 - Severe Fire-Mylar, Each For Document Restoration.....	10.35	
02 90 50 00-0151	EA	Cleaning Microfiche Sheets, Each For Document Restoration.....	3.67	
02 90 50 00-0152	EA	Cleaning Microfiche Strips, Each For Document Restoration.....	0.85	
02 90 50 00-0153	EA	Cleaning Microfilm Rolls (In House), Per Roll For Document Restoration.....	134.70	
02 90 50 00-0154	EA	Cleaning Microfilm Rolls (Outside), Per Roll For Document Restoration.....	188.58	
02 90 50 00-0155	EA	Cleaning Photographs Negatives, Per Negative For Document Restoration.....	3.67	
02 90 50 00-0156	EA	Cleaning Photographs, Each For Document Restoration.....	0.85	
02 90 50 00-0157	EA	Cleaning Record Albums, Each For Document Restoration.....	5.41	
02 90 50 00-0158	EA	Cleaning VHS And Beta Tapes-In House, Each For Document Restoration.....	13.48	
02 90 50 00-0159	EA	Cleaning VHS And Beta Tapes-Outside, Each For Document Restoration.....	53.86	
02 90 50 00-0160	EA	Cleaning X Ray 1-1000, Per Film For Document Restoration.....	5.01	
02 90 50 00-0161	EA	Cleaning X Ray 1K-5K, Per Film For Document Restoration.....	4.28	
02 90 50 00-0162	EA	Cleaning X Ray 5K-Up, Per Film For Document Restoration.....	3.36	
02 90 50 00-0163	EA	Copying Clean Water, Per Page For Document Restoration.....	0.49	
02 90 50 00-0164	EA	Copying Greywater Fire, Per Page For Document Restoration.....	1.46	
02 90 50 00-0165	CF	Deodorization, Vapor Tech For Document Restoration.....	9.24	
02 90 50 00-0166	CF	Disinfectant-Fogging For Document Restoration.....	18.89	
02 90 50 00-0167	EA	Document Disposal In House No Shredding For Document Restoration.....	71.82	
02 90 50 00-0168	EA	Document Disposal In House With Shredding For Document Restoration.....	19.60	
02 90 50 00-0169	CF	Up To 150 CF, Drying-MCS Center For Document Restoration.....	242.44	
02 90 50 00-0170	CF	>150 To 500 CF, Drying-MCS Center For Document Restoration.....	188.58	
02 90 50 00-0171	CF	>500 CF, Drying-MCS Center For Document Restoration.....	161.63	
02 90 50 00-0172	CF	>50 To 150 CF, Drying-MCS Center For Document Restoration.....	215.51	
02 90 50 00-0173	CF	Up To 500 CF, Drying-Onsite For Document Restoration.....	404.07	
02 90 50 00-0174	CF	>500 CF, Drying-Onsite For Document Restoration.....	247.88	
02 90 50 00-0175	EA	Drying Antique Books, Each For Document Restoration.....	53.86	
02 90 50 00-0176	EA	Drying Blue Prints, Each For Document Restoration.....	6.74	
02 90 50 00-0177	EA	DVD Scanning And Diagnostics, Each For Document Restoration.....	13.48	
02 90 50 00-0178	EA	Freeze Drying (In House) For Document Restoration.....	121.84	
02 90 50 00-0179	EA	Freeze Drying (Outside) For Document Restoration.....	104.44	
02 90 50 00-0180	EA	Up To 48 CF, Irradiation - Gamma (Minimum Charge) For Document Restoration.....	2,871.99	
02 90 50 00-0181	CF	>48 CF, Irradiation - Gamma (Per CF Charge) For Document Restoration.....	26.11	
02 90 50 00-0182	EA	Minimal Drying Jobs For Document Restoration.....	1,209.72	
02 90 50 00-0183	EA	Monthly Storage For Document Restoration.....	225.70	
02 90 50 00-0184	EA	Mylar Prints For Document Restoration.....	13.48	
02 90 50 00-0185	CF	Ozoning For Document Restoration.....	8.30	
02 90 50 00-0186	CF	Stabilization Freezer Storage, Per Cubic Foot Per Month For Document Restoration.....	10.51	
02 90 50 00-0187	MO	Stabilization Freezer Storage, Per Page-Per Month For Document Restoration.....	0.13	
02 90 50 00-0188	EA	Wood Pallets, Each For Document Restoration.....	29.22	

**02 90 55 Emergency Clean-up (02 90)****02 90 55 00-0001 Emergency Clean-up (02 90 55)**

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

**02 90 55 00-0002 Emergency Clean-up Labor (02 90 55 00-0001)**

Note: Used in the performance of time and material projects. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0003	HR	Skilled Tradesman For Emergency Clean Up.....	60.72	
02 90 55 00-0004	HR	Restoration / Document Laborer For Emergency Clean Up.....	42.50	
02 90 55 00-0005	HR	Restoration / Document Supervisor For Emergency Clean Up.....	58.44	
02 90 55 00-0006	HR	Restoration / Document Project Manager For Emergency Clean Up.....	95.63	
02 90 55 00-0007	HR	Assistant Project Manager For Emergency Clean Up.....	79.70	
02 90 55 00-0008	HR	Senior Project Manager For Emergency Clean Up.....	111.57	
02 90 55 00-0009	HR	Project Director / Document Consultant / Account Manager For Emergency Clean Up.....	159.39	
02 90 55 00-0010	HR	Equipment Technician For Emergency Clean Up.....	116.89	
02 90 55 00-0011	HR	Mold Remediation Laborer For Emergency Clean Up.....	58.19	
02 90 55 00-0012	HR	Mold Remediation Supervisor For Emergency Clean Up.....	79.70	
02 90 55 00-0013	HR	Administrative Personnel For Emergency Clean Up.....	37.19	
02 90 55 00-0014	HR	Project Accountant For Emergency Clean Up.....	60.72	
02 90 55 00-0015	HR	Biohazard Technician For Emergency Clean Up.....	84.38	
02 90 55 00-0016	HR	Biohazard Supervisor For Emergency Clean Up.....	101.45	
02 90 55 00-0017	HR	Health And Safety Officer For Emergency Clean Up.....	91.08	
02 90 55 00-0018	HR	Resource And Logistics Coordinator For Emergency Clean Up.....	65.78	
02 90 55 00-0019	HR	Loss Control Specialist For Emergency Clean Up.....	63.76	
02 90 55 00-0020	HR	Moisture Control Specialist For Emergency Clean Up.....	52.62	
02 90 55 00-0021	HR	Mobilization Support For Emergency Clean Up.....	32.38	

**02 90 55 00-0022 Emergency Clean-up Equipment (02 90 55 00-0001)**

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

**02 90 55 00-0023 General Emergency Clean-up Equipment (02 90 55 00-0022)**

02 90 55 00-0024	DAY	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	141.76	
02 90 55 00-0025	WK	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	540.80	
02 90 55 00-0026	MO	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	1,480.64	
02 90 55 00-0027	DAY	13' Floor Buffer Rental For Emergency Clean-up.....	54.83	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0028	WK			13" Floor Buffer Rental For Emergency Clean-up.....	154.33	
02 90 55 00-0029	MO			13" Floor Buffer Rental For Emergency Clean-up.....	426.03	
02 90 55 00-0030	DAY			17" Floor Buffer Rental For Emergency Clean-up.....	106.51	
02 90 55 00-0031	WK			17" Floor Buffer Rental For Emergency Clean-up.....	271.70	
02 90 55 00-0032	MO			17" Floor Buffer Rental For Emergency Clean-up.....	641.21	
02 90 55 00-0033	DAY			Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	586.87	
02 90 55 00-0034	WK			Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	1,575.86	
02 90 55 00-0035	MO			Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	4,390.67	
02 90 55 00-0036	DAY			Ride-On Floor Scrubber Rental For Emergency Clean-up.....	1,325.90	
02 90 55 00-0037	WK			Ride-On Floor Scrubber Rental For Emergency Clean-up.....	3,499.50	
02 90 55 00-0038	MO			Ride-On Floor Scrubber Rental For Emergency Clean-up.....	9,433.42	
02 90 55 00-0039	DAY			4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	95.64	
02 90 55 00-0040	WK			4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	271.70	
02 90 55 00-0041	MO			4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	934.65	
02 90 55 00-0042	DAY			8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	89.12	
02 90 55 00-0043	WK			8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	239.10	
02 90 55 00-0044	MO			8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	619.48	
02 90 55 00-0045	DAY			17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	142.59	
02 90 55 00-0046	WK			17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	406.90	
02 90 55 00-0047	MO			17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	1,137.23	
02 90 55 00-0048	DAY			Truck Mounted Extractor Rental For Emergency Clean-up.....	893.77	
02 90 55 00-0049	WK			Truck Mounted Extractor Rental For Emergency Clean-up.....	2,681.32	
02 90 55 00-0050	MO			Truck Mounted Extractor Rental For Emergency Clean-up.....	8,043.95	
02 90 55 00-0051	DAY			16" Chain Saw Rental For Emergency Clean-up.....	104.33	
02 90 55 00-0052	WK			16" Chain Saw Rental For Emergency Clean-up.....	234.75	
02 90 55 00-0053	MO			16" Chain Saw Rental For Emergency Clean-up.....	626.00	
02 90 55 00-0054	DAY			20" Chain Saw Rental For Emergency Clean-up.....	130.42	
02 90 55 00-0055	WK			20" Chain Saw Rental For Emergency Clean-up.....	293.44	
02 90 55 00-0056	MO			20" Chain Saw Rental For Emergency Clean-up.....	782.50	
02 90 55 00-0057	EA			Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up.....	97.81	
02 90 55 00-0058	DAY			14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up.....	139.11	
02 90 55 00-0059	WK			14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up.....	380.38	
02 90 55 00-0060	MO			14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up.....	1,065.06	
02 90 55 00-0061	DAY			12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up.....	169.54	
02 90 55 00-0062	WK			12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up.....	576.00	
02 90 55 00-0063	MO			12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up.....	1,097.67	
02 90 55 00-0064	DAY			Wet Or Dry Portable Cleaning Unit For Emergency Clean-up.....	155.35	
02 90 55 00-0065	WK			Wet Or Dry Portable Cleaning Unit For Emergency Clean-up.....	427.21	
02 90 55 00-0066	MO			Wet Or Dry Portable Cleaning Unit For Emergency Clean-up.....	1,165.11	
02 90 55 00-0067	DAY			Extension Cords - 220 Volt For Emergency Clean-up.....	54.34	
02 90 55 00-0068	DAY			Extension Cords - 220 Volt Converter Box For Emergency Clean-up.....	32.60	
02 90 55 00-0069	DAY			Demolition Cart, 1 Yard For Emergency Clean-up.....	86.94	
02 90 55 00-0070	WK			Demolition Cart, 1 Yard For Emergency Clean-up.....	239.10	
02 90 55 00-0071	MO			Demolition Cart, 1 Yard For Emergency Clean-up.....	652.08	
02 90 55 00-0072	DAY			Demolition Cart, 1-1/2 Yard For Emergency Clean-up.....	108.68	
02 90 55 00-0073	WK			Demolition Cart, 1-1/2 Yard For Emergency Clean-up.....	298.87	
02 90 55 00-0074	MO			Demolition Cart, 1-1/2 Yard For Emergency Clean-up.....	815.10	
02 90 55 00-0075	EA			Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up.....	163.02	
02 90 55 00-0076	DAY			Dry-Ice Blasting System For Emergency Clean-up.....	1,757.75	
02 90 55 00-0077	DAY			Fogger - Mist For Emergency Clean-up.....	45.69	
02 90 55 00-0078	WK			Fogger - Mist For Emergency Clean-up.....	125.65	
02 90 55 00-0079	MO			Fogger - Mist For Emergency Clean-up.....	342.68	
02 90 55 00-0080	DAY			Fogger - Electric Thermal For Emergency Clean-up.....	65.79	
02 90 55 00-0081	WK			Fogger - Electric Thermal For Emergency Clean-up.....	180.94	
02 90 55 00-0082	MO			Fogger - Electric Thermal For Emergency Clean-up.....	493.46	
02 90 55 00-0083	DAY			Fogger - Gas Power Thermal For Emergency Clean-up.....	176.91	
02 90 55 00-0084	WK			Fogger - Gas Power Thermal For Emergency Clean-up.....	486.51	
02 90 55 00-0085	MO			Fogger - Gas Power Thermal For Emergency Clean-up.....	1,326.85	
02 90 55 00-0086	EA			Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up.....	217.58	
02 90 55 00-0087	WK			Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up.....	598.33	
02 90 55 00-0088	MO			Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up.....	1,631.81	
02 90 55 00-0089	DAY			Hand Trucks/Dollies For Emergency Clean-up.....	26.08	
02 90 55 00-0090	WK			Hand Trucks/Dollies For Emergency Clean-up.....	71.73	
02 90 55 00-0091	MO			Hand Trucks/Dollies For Emergency Clean-up.....	195.62	
02 90 55 00-0092	DAY			Heat Gun - Shrink Wrap For Emergency Clean-up.....	135.42	
02 90 55 00-0093	WK			Heat Gun - Shrinkwrap For Emergency Clean-up.....	372.40	
02 90 55 00-0094	MO			Heat Gun - Shrinkwrap For Emergency Clean-up.....	1,015.65	
02 90 55 00-0095	DAY			High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up..... Note: Includes all filters.	191.47	
02 90 55 00-0096	DAY			Ladder For Emergency Clean-up.....	36.95	
02 90 55 00-0097	DAY			Lights - Demo, Drop, Stand, String For Emergency Clean-up.....	32.90	
02 90 55 00-0098	DAY			Lights - Wobble For Emergency Clean-up.....	40.21	
02 90 55 00-0099	DAY			Moisture Meter For Emergency Clean-up.....	54.83	
02 90 55 00-0100	WK			Moisture Meter For Emergency Clean-up.....	150.78	
02 90 55 00-0101	MO			Moisture Meter For Emergency Clean-up.....	411.22	
02 90 55 00-0102	DAY			Nail Gun For Emergency Clean-up.....	97.81	
02 90 55 00-0103	WK			Nail Gun For Emergency Clean-up.....	268.98	
02 90 55 00-0104	MO			Nail Gun For Emergency Clean-up.....	733.59	
02 90 55 00-0105	DAY			Ozone Generator For Emergency Clean-up.....	228.45	
02 90 55 00-0106	DAY			PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up.....	130.42	
02 90 55 00-0107	DAY			Portable Generator, Up To 7,500 Watt For Emergency Clean-up.....	182.76	

**02 Existing Conditions****02 90 Disaster Recovery****02 90 55 Emergency Clean-up**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 90 55 00-0108	DAY	Pressure Washer, Hot For Emergency Clean-up.....	274.14	
02 90 55 00-0109	DAY	Pressure Washer, Cold For Emergency Clean-up.....	182.76	
02 90 55 00-0110	DAY	Scaffolding - Per Section For Emergency Clean-up.....	141.28	
02 90 55 00-0111	DAY	Small Tools - Tool Box For Emergency Clean-up.....	54.34	
02 90 55 00-0112	DAY	Soda Blasting Equipment For Emergency Clean-up.....	1,744.21	
02 90 55 00-0113	DAY	Sprayer - Hudson For Emergency Clean-up.....	17.39	
02 90 55 00-0114	WK	Sprayer - Hudson For Emergency Clean-up.....	47.82	
02 90 55 00-0115	MO	Sprayer - Hudson For Emergency Clean-up.....	130.42	
02 90 55 00-0116	DAY	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up.....	147.16	
02 90 55 00-0117	WK	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up.....	345.60	
02 90 55 00-0118	MO	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up.....	1,182.92	
02 90 55 00-0119	DAY	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up.....	231.62	
02 90 55 00-0120	WK	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up.....	545.96	
02 90 55 00-0121	MO	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up.....	1,522.09	
02 90 55 00-0122	DAY	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up.....	248.16	
02 90 55 00-0123	WK	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up.....	620.41	
02 90 55 00-0124	MO	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up.....	1,670.98	
02 90 55 00-0125	DAY	Storage Space (Per SF Per Day) For Emergency Clean-up.....	4.21	
02 90 55 00-0126	DAY	Submersible Pump For Emergency Clean-up.....	45.69	
02 90 55 00-0127	DAY	Trash Pump - 2" Gas Powered For Emergency Clean-up.....	250.98	
02 90 55 00-0128	DAY	Vehicle, Pick-up, SUV, Car For Emergency Clean-up.....	124.59	
02 90 55 00-0129	DAY	Vehicle, Van For Emergency Clean-up.....	203.13	
02 90 55 00-0130	DAY	16' Or 24' Box Truck Vehicle For Emergency Clean-up.....	245.71	
		Note: Includes Mileage		
02 90 55 00-0131	DAY	Trailer - Refrigerated 40' Storage For Emergency Clean-up.....	269.94	
02 90 55 00-0132	DAY	Utility Trailer For Emergency Clean-up.....	224.80	
		Note: Includes Mileage		
02 90 55 00-0133	DAY	Truck Mount, Per Wand Extraction For Emergency Clean-up.....	1,013.84	
02 90 55 00-0134	DAY	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up.....	45.69	
02 90 55 00-0135	WK	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up.....	125.65	
02 90 55 00-0136	MO	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up.....	342.68	
02 90 55 00-0137	DAY	Vacuum - Shop Vacuum For Emergency Clean-up.....	45.69	
02 90 55 00-0138	DAY	Vacuum - Commercial For Emergency Clean-up.....	137.07	
02 90 55 00-0139	DAY	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	155.35	
02 90 55 00-0140	WK	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	427.21	
02 90 55 00-0141	MO	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	1,165.11	
02 90 55 00-0142	DAY	Vacuum - Upright For Emergency Clean-up.....	29.79	
02 90 55 00-0143	WK	Vacuum - Upright For Emergency Clean-up.....	81.93	
02 90 55 00-0144	MO	Vacuum - Upright For Emergency Clean-up.....	223.44	
02 90 55 00-0145	DAY	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up.....	45.69	
02 90 55 00-0146	WK	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up.....	125.65	
02 90 55 00-0147	MO	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up.....	342.68	
02 90 55 00-0148	DAY	10' x 10' Canopy For Emergency Clean-up.....	136.94	
02 90 55 00-0149	WK	10' x 10' Canopy For Emergency Clean-up.....	273.87	
02 90 55 00-0150	MO	10' x 10' Canopy For Emergency Clean-up.....	547.75	
02 90 55 00-0151	DAY	10' x 20' Canopy For Emergency Clean-up.....	273.87	
02 90 55 00-0152	WK	10' x 20' Canopy For Emergency Clean-up.....	547.75	
02 90 55 00-0153	MO	10' x 20' Canopy For Emergency Clean-up.....	1,095.49	
02 90 55 00-0154	DAY	16' x 16' Canopy For Emergency Clean-up.....	343.43	
02 90 55 00-0155	WK	16' x 16' Canopy For Emergency Clean-up.....	686.86	
02 90 55 00-0156	MO	16' x 16' Canopy For Emergency Clean-up.....	1,373.72	
02 90 55 00-0157	DAY	20' x 20' Canopy For Emergency Clean-up.....	456.46	
02 90 55 00-0158	WK	20' x 20' Canopy For Emergency Clean-up.....	912.91	
02 90 55 00-0159	MO	20' x 20' Canopy For Emergency Clean-up.....	1,825.82	
02 90 55 00-0160	DAY	20' x 30' Canopy For Emergency Clean-up.....	521.66	
02 90 55 00-0161	WK	20' x 30' Canopy For Emergency Clean-up.....	1,043.33	
02 90 55 00-0162	MO	20' x 30' Canopy For Emergency Clean-up.....	2,086.66	
02 90 55 00-0163	DAY	20' x 40' Canopy For Emergency Clean-up.....	608.61	
02 90 55 00-0164	WK	20' x 40' Canopy For Emergency Clean-up.....	1,217.22	
02 90 55 00-0165	MO	20' x 40' Canopy For Emergency Clean-up.....	2,434.43	
02 90 55 00-0166	DAY	First Aid Station For Emergency Clean-up.....	328.65	
02 90 55 00-0167	WK	First Aid Station For Emergency Clean-up.....	903.78	
02 90 55 00-0168	MO	First Aid Station For Emergency Clean-up.....	2,464.86	
02 90 55 00-0169	DAY	Portable Eyewash Station For Emergency Clean-up.....	99.81	
02 90 55 00-0170	WK	Portable Eyewash Station For Emergency Clean-up.....	274.48	
02 90 55 00-0171	MO	Portable Eyewash Station For Emergency Clean-up.....	748.59	
02 90 55 00-0172	DAY	2 Way Radio For Emergency Clean-up.....	36.55	

**02 90 55 00-0173 Technical/Electronics Restoration Equipment (02 90 55 00-0022)**

02 90 55 00-0174	DAY	Computer - Diagnostic For Emergency Clean-up.....	54.34	
02 90 55 00-0175	WK	Computer - Diagnostic For Emergency Clean-up.....	149.44	
02 90 55 00-0176	MO	Computer - Diagnostic For Emergency Clean-up.....	407.55	
02 90 55 00-0177	DAY	Convection Oven - Large For Emergency Clean-up.....	788.14	
02 90 55 00-0178	WK	Convection Oven - Large For Emergency Clean-up.....	2,167.40	
02 90 55 00-0179	MO	Convection Oven - Large For Emergency Clean-up.....	5,911.08	
02 90 55 00-0180	DAY	Convection Oven - Small For Emergency Clean-up.....	195.62	
02 90 55 00-0181	WK	Convection Oven - Small For Emergency Clean-up.....	537.97	
02 90 55 00-0182	MO	Convection Oven - Small For Emergency Clean-up.....	1,467.18	
02 90 55 00-0183	DAY	Convection Oven - Vacuum For Emergency Clean-up.....	1,124.89	
02 90 55 00-0184	WK	Convection Oven - Vacuum For Emergency Clean-up.....	3,093.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0185 MO Convection Oven - Vacuum For Emergency Clean-up .....	8,436.67	
02 90 55 00-0186 DAY Decontamination Booth For Emergency Clean-up.....	929.88	
02 90 55 00-0187 WK Decontamination Booth For Emergency Clean-up.....	2,557.18	
02 90 55 00-0188 MO Decontamination Booth For Emergency Clean-up.....	6,974.13	
02 90 55 00-0189 DAY DI Water System For Emergency Clean-up.....	72.22	
02 90 55 00-0190 WK DI Water System For Emergency Clean-up.....	198.62	
02 90 55 00-0191 MO DI Water System For Emergency Clean-up.....	541.68	
02 90 55 00-0192 DAY ESD Bench Workstation For Emergency Clean-up.....	44.24	
02 90 55 00-0193 WK ESD Bench Workstation For Emergency Clean-up .....	121.65	
02 90 55 00-0194 MO ESD Bench Workstation For Emergency Clean-up .....	331.78	
02 90 55 00-0195 DAY Heater/Enclosure Control System For Emergency Clean-up.....	32.60	
02 90 55 00-0196 WK Heater/Enclosure Control System For Emergency Clean-up.....	89.66	
02 90 55 00-0197 MO Heater/Enclosure Control System For Emergency Clean-up.....	244.53	
02 90 55 00-0198 DAY Hi-Tech Mobile Cart/Workstation For Emergency Clean-up .....	113.75	
02 90 55 00-0199 WK Hi-Tech Mobile Cart/Workstation For Emergency Clean-up.....	312.82	
02 90 55 00-0200 MO Hi-Tech Mobile Cart/Workstation For Emergency Clean-up .....	853.15	
02 90 55 00-0201 DAY Micro-Blaster/Dust Collector For Emergency Clean-up .....	489.06	
02 90 55 00-0202 WK Micro-Blaster/Dust Collector For Emergency Clean-up .....	1,344.92	
02 90 55 00-0203 MO Micro-Blaster/Dust Collector For Emergency Clean-up .....	3,667.95	
02 90 55 00-0204 DAY Mobile Laboratory For Emergency Clean-up.....	1,358.50	
02 90 55 00-0205 WK Mobile Laboratory For Emergency Clean-up.....	3,735.88	
02 90 55 00-0206 MO Mobile Laboratory For Emergency Clean-up.....	10,188.75	
02 90 55 00-0207 DAY Nitrogen Enclosure Cabinet For Emergency Clean-up .....	26.08	
02 90 55 00-0208 WK Nitrogen Enclosure Cabinet For Emergency Clean-up.....	71.73	
02 90 55 00-0209 MO Nitrogen Enclosure Cabinet For Emergency Clean-up.....	195.62	
02 90 55 00-0210 DAY Odell Cleaning Station For Emergency Clean-up .....	760.76	
02 90 55 00-0211 WK Odell Cleaning Station For Emergency Clean-up .....	2,092.09	
02 90 55 00-0212 MO Odell Cleaning Station For Emergency Clean-up .....	5,705.70	
02 90 55 00-0213 DAY Parts Washer For Emergency Clean-up .....	54.34	
02 90 55 00-0214 WK Parts Washer For Emergency Clean-up .....	149.44	
02 90 55 00-0215 MO Parts Washer For Emergency Clean-up .....	407.55	
02 90 55 00-0216 DAY Ultrasonic Cleaning System For Emergency Clean-up.....	338.55	
02 90 55 00-0217 WK Ultrasonic Cleaning System For Emergency Clean-up.....	931.01	
02 90 55 00-0218 MO Ultrasonic Cleaning System For Emergency Clean-up.....	2,539.12	
02 90 55 00-0219 DAY Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up .....	144.42	
02 90 55 00-0220 WK Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up .....	397.14	
02 90 55 00-0221 MO Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up .....	1,083.12	
<b>02 90 55 00-0222</b>	<b>Drying/Dehumidification Equipment</b>	<small>(02 90 55 00-0022)</small>
02 90 55 00-0223 DAY 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up .....	228.45	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 55 00-0224 WK 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up .....	628.25	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 55 00-0225 MO 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up .....	1,713.40	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 55 00-0226 DAY 3,000 CFM Axial Air Mover For Emergency Clean-up.....	88.92	
02 90 55 00-0227 WK 3,000 CFM Axial Air Mover For Emergency Clean-up .....	244.54	
02 90 55 00-0228 MO 3,000 CFM Axial Air Mover For Emergency Clean-up .....	666.94	
02 90 55 00-0229 DAY Injectidry System For Emergency Clean-up.....	283.28	
02 90 55 00-0230 WK Injectidry System For Emergency Clean-up.....	779.03	
02 90 55 00-0231 MO Injectidry System For Emergency Clean-up.....	2,124.62	
02 90 55 00-0232 DAY Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	182.76	
02 90 55 00-0233 WK Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	502.60	
02 90 55 00-0234 MO Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	1,370.72	
02 90 55 00-0235 DAY >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up .....	271.70	
02 90 55 00-0236 WK >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	747.18	
02 90 55 00-0237 MO >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up .....	2,037.75	
02 90 55 00-0238 DAY >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up .....	252.39	
02 90 55 00-0239 WK >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up .....	694.06	
02 90 55 00-0240 MO >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up .....	1,892.90	
02 90 55 00-0241 DAY Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up .....	269.79	
02 90 55 00-0242 WK Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up .....	741.93	
02 90 55 00-0243 MO Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up .....	2,023.45	
02 90 55 00-0244 DAY Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up .....	269.79	
02 90 55 00-0245 WK Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up .....	741.93	
02 90 55 00-0246 MO Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up .....	2,023.45	
02 90 55 00-0247 DAY D-500 Desiccant Dehumidifier For Emergency Clean-up .....	304.60	
02 90 55 00-0248 WK D-500 Desiccant Dehumidifier For Emergency Clean-up .....	837.66	
02 90 55 00-0249 MO D-500 Desiccant Dehumidifier For Emergency Clean-up .....	2,284.54	
02 90 55 00-0250 DAY D-750 Desiccant Dehumidifier For Emergency Clean-up .....	639.67	
02 90 55 00-0251 WK D-750 Desiccant Dehumidifier For Emergency Clean-up .....	1,759.09	
02 90 55 00-0252 MO D-750 Desiccant Dehumidifier For Emergency Clean-up .....	4,797.53	
02 90 55 00-0253 DAY D-1000 Desiccant Dehumidifier For Emergency Clean-up .....	1,096.58	
02 90 55 00-0254 WK D-1000 Desiccant Dehumidifier For Emergency Clean-up .....	3,015.59	
02 90 55 00-0255 MO D-1000 Desiccant Dehumidifier For Emergency Clean-up .....	8,224.34	
02 90 55 00-0256 DAY D-1500 Desiccant Dehumidifier For Emergency Clean-up .....	1,688.38	
02 90 55 00-0257 WK D-1500 Desiccant Dehumidifier For Emergency Clean-up .....	4,643.05	
02 90 55 00-0258 MO D-1500 Desiccant Dehumidifier For Emergency Clean-up .....	12,662.86	
02 90 55 00-0259 DAY D-2000 Desiccant Dehumidifier For Emergency Clean-up .....	1,688.38	
02 90 55 00-0260 WK D-2000 Desiccant Dehumidifier For Emergency Clean-up .....	4,643.05	

**02 Existing Conditions****02 90 Disaster Recovery****02 90 55 Emergency Clean-up**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 90 55 00-0261	MO	D-2000 Desiccant Dehumidifier For Emergency Clean-up .....	12,662.86	
02 90 55 00-0262	DAY	D-2250 Desiccant Dehumidifier For Emergency Clean-up .....	1,763.23	
02 90 55 00-0263	WK	D-2250 Desiccant Dehumidifier For Emergency Clean-up .....	4,848.88	
02 90 55 00-0264	MO	D-2250 Desiccant Dehumidifier For Emergency Clean-up .....	13,224.21	
02 90 55 00-0265	DAY	D-3000 Desiccant Dehumidifier For Emergency Clean-up .....	2,193.16	
02 90 55 00-0266	WK	D-3000 Desiccant Dehumidifier For Emergency Clean-up .....	6,031.18	
02 90 55 00-0267	MO	D-3000 Desiccant Dehumidifier For Emergency Clean-up .....	16,448.67	
02 90 55 00-0268	DAY	D-4500 Desiccant Dehumidifier For Emergency Clean-up .....	2,467.30	
02 90 55 00-0269	WK	D-4500 Desiccant Dehumidifier For Emergency Clean-up .....	6,785.08	
02 90 55 00-0270	MO	D-4500 Desiccant Dehumidifier For Emergency Clean-up .....	18,504.75	
02 90 55 00-0271	DAY	D-5000 Desiccant Dehumidifier For Emergency Clean-up .....	2,650.06	
02 90 55 00-0272	WK	D-5000 Desiccant Dehumidifier For Emergency Clean-up .....	7,287.67	
02 90 55 00-0273	MO	D-5000 Desiccant Dehumidifier For Emergency Clean-up .....	19,875.48	
02 90 55 00-0274	DAY	D-9000 Desiccant Dehumidifier For Emergency Clean-up .....	3,481.20	
02 90 55 00-0275	WK	D-9000 Desiccant Dehumidifier For Emergency Clean-up .....	9,573.30	
02 90 55 00-0276	MO	D-9000 Desiccant Dehumidifier For Emergency Clean-up .....	26,109.00	
02 90 55 00-0277	DAY	D-10500 Desiccant Dehumidifier For Emergency Clean-up .....	3,655.26	
02 90 55 00-0278	WK	D-10500 Desiccant Dehumidifier For Emergency Clean-up .....	10,051.96	
02 90 55 00-0279	MO	D-10500 Desiccant Dehumidifier For Emergency Clean-up .....	27,414.45	
02 90 55 00-0280	DAY	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	593.98	
02 90 55 00-0281	WK	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,633.44	
02 90 55 00-0282	MO	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	4,454.85	
02 90 55 00-0283	DAY	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up .....	822.43	
02 90 55 00-0284	WK	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up .....	2,261.69	
02 90 55 00-0285	MO	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	6,168.25	
02 90 55 00-0286	DAY	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,096.58	
02 90 55 00-0287	WK	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	3,015.59	
02 90 55 00-0288	MO	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	8,224.34	
02 90 55 00-0289	DAY	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,462.10	
02 90 55 00-0290	WK	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	4,020.79	
02 90 55 00-0291	MO	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	10,965.78	
02 90 55 00-0292	DAY	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	2,467.30	
02 90 55 00-0293	WK	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	6,785.08	
02 90 55 00-0294	MO	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	18,504.75	
02 90 55 00-0295	DAY	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	2,741.44	
02 90 55 00-0296	WK	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	7,538.97	
02 90 55 00-0297	MO	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	20,560.84	
02 90 55 00-0298	DAY	25' Flex Duct For Emergency Clean-up .....	36.55	
02 90 55 00-0299	WK	25' Flex Duct For Emergency Clean-up .....	100.52	
02 90 55 00-0300	MO	25' Flex Duct For Emergency Clean-up .....	274.14	
02 90 55 00-0301	DAY	Hygrothermograph For Emergency Clean-up .....	54.34	
02 90 55 00-0302	WK	Hygrothermograph For Emergency Clean-up .....	149.44	
02 90 55 00-0303	MO	Hygrothermograph For Emergency Clean-up .....	407.55	
02 90 55 00-0304	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up.....	8,599.96	
		Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 55 00-0305	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up.....	23,649.89	
		Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 55 00-0306	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up.....	64,499.70	
		Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		

**02 90 55 00-0307 Power Equipment** (02 90 55 00-0022)

02 90 55 00-0308	WK	Up to 65 KVA Generator For Emergency Clean-up .....	1,131.39	
02 90 55 00-0309	WK	>65 to 125 KVA Generator For Emergency Clean-up.....	1,914.66	
02 90 55 00-0310	WK	>125 to 250 KVA Generator For Emergency Clean-up.....	1,867.42	
02 90 55 00-0311	WK	>250 to 375 KVA Generator For Emergency Clean-up.....	3,220.11	
02 90 55 00-0312	WK	>375 Up to 440 KVA Generator For Emergency Clean-up .....	4,351.50	
02 90 55 00-0313	WK	>440 to 625 KVA Generator For Emergency Clean-up.....	6,552.35	
02 90 55 00-0314	WK	>625 to 800 KVA Generator For Emergency Clean-up.....	6,701.31	
02 90 55 00-0315	WK	>800 to 1,000 KVA Generator For Emergency Clean-up.....	8,964.09	
02 90 55 00-0316	WK	>1,000 to 1,500 KVA Generator For Emergency Clean-up.....	13,489.65	
02 90 55 00-0317	EA	Generator Cable/Pigtails (Per Section) For Emergency Clean-up .....	29.24	
02 90 55 00-0318	EA	Sub-Distribution Panel (Spider Box) For Emergency Clean-up .....	140.12	
02 90 55 00-0319	EA	Electrical Distribution Panel For Emergency Clean-up .....	338.55	
02 90 55 00-0320	EA	Quad Box Strings (25' Sections) For Emergency Clean-up .....	52.65	
02 90 55 00-0321	EA	50' Power Cord For Spider Box For Emergency Clean-up.....	48.74	
02 90 55 00-0322	EA	Pig Tails (Per Each) For Emergency Clean-up .....	5.43	

**02 90 55 00-0323 Freight Charges** (02 90 55 00-0022)

02 90 55 00-0324	MI	Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment.....	2.72	
02 90 55 00-0325	MI	Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment .....	4.89	
02 90 55 00-0326	MI	Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment .....	4.89	
02 90 55 00-0327	MI	Freight Tractor Trailer For Emergency Clean-up Equipment .....	7.06	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**02 90 55 00-0328**

**Emergency Clean-up Personal Protection Equipment** (02 90 55 00-0001)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0329	EA Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment .....	15.13	
02 90 55 00-0330	EA Respirator Cartridge For Emergency Clean-up Personal Protection Equipment .....	52.84	
02 90 55 00-0331	BOX Dust Mask For Emergency Clean-up Personal Protection Equipment.....	58.92	
02 90 55 00-0332	PR Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment.....	4.06	
02 90 55 00-0333	BOX 5 Mil, Disposable Latex Gloves, Box of 100, For Emergency Clean-up Personal Protection Equipment .....	27.41	
02 90 55 00-0334	PR Leather Gloves For Emergency Clean-up Personal Protection Equipment .....	13.72	
02 90 55 00-0335	EA Heavy Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment .....	23.41	
02 90 55 00-0336	PR Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment .....	16.08	
02 90 55 00-0337	EA Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment .....	116.39	
02 90 55 00-0338	PR Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment .....	7.04	
02 90 55 00-0339	EA Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment .....	9.14	

**02 90 55 00-0340**

**Emergency Clean-up Expendables** (02 90 55 00-0001)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

**02 90 55 00-0341**

**General Materials** (02 90 55 00-0340)

02 90 55 00-0342	GAL Adhesive Remover For Emergency Clean-up.....	109.66	
02 90 55 00-0343	GAL Bio-HS For Emergency Clean-up .....	37.06	
02 90 55 00-0344	GAL Biocide For Emergency Clean-up .....	47.28	
02 90 55 00-0345	EA 10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up .....	5.78	
02 90 55 00-0346	EA 10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up .....	8.77	
02 90 55 00-0347	EA 10" x 15" x 24" Cardboard Storage Box For Emergency Clean-up .....	8.77	
02 90 55 00-0348	GAL Bleach For Emergency Clean-up .....	11.79	
02 90 55 00-0349	EA Small Stainless Brush For Emergency Clean-up .....	7.22	
02 90 55 00-0350	EA 2-1/2 Gallon Buckets For Emergency Clean-up.....	9.18	
02 90 55 00-0351	EA 5 Gallon Bucket For Emergency Clean-up.....	13.91	
02 90 55 00-0352	GAL Carpet Defoamer For Emergency Clean-up .....	35.79	
02 90 55 00-0353	GAL Carpet Pre-treat For Emergency Clean-up .....	26.72	
02 90 55 00-0354	GAL Carpet Spotter For Emergency Clean-up .....	44.78	
02 90 55 00-0355	GAL Carpet/Upholstery Cleaner For Emergency Clean-up .....	36.11	
02 90 55 00-0356	ROL Carpet Masking/Shield For Emergency Clean-up .....	100.19	
02 90 55 00-0357	EA Chemical Sponge For Emergency Clean-up .....	4.32	
02 90 55 00-0358	GAL Clear Seal For Emergency Clean-up .....	147.44	
02 90 55 00-0359	GAL Coil Cleaner For Emergency Clean-up .....	68.97	
02 90 55 00-0360	EA Comfort Masks, Per Box 50 For Emergency Clean-up Personal Protection Equipment .....	50.70	
02 90 55 00-0361	EA Hooded Coverall With Elastic Wrists/Ankles For Emergency Clean-up Personal Protection Equipment.....	22.42	
02 90 55 00-0362	EA Decontamination Chamber For Emergency Clean-up .....	299.73	
02 90 55 00-0363	GAL All Purpose Degreaser For Emergency Clean-up .....	48.25	
02 90 55 00-0364	GAL Heavy Duty Degreaser For Emergency Clean-up .....	58.25	
02 90 55 00-0365	GAL De-Foamer Liquid For Emergency Clean-up .....	63.41	
02 90 55 00-0366	EA Deodorization Membrane For Emergency Clean-up .....	124.61	
02 90 55 00-0367	GAL 9-D-9 Smoke Deodorizer For Emergency Clean-up .....	189.56	
02 90 55 00-0368	LB Deodorizing Gel For Emergency Clean-up .....	44.53	
02 90 55 00-0369	GAL Deodorizing Liquid For Emergency Clean-up .....	66.08	
02 90 55 00-0370	PAIL Deodorizing Block For Emergency Clean-up .....	11.20	
02 90 55 00-0371	GAL Disinfectant/Antimicrobial For Emergency Clean-up .....	115.55	
02 90 55 00-0372	GAL BruClean Disinfectant For Emergency Clean-up .....	35.09	
02 90 55 00-0373	GAL Dryclean For Emergency Clean-up .....	51.92	
02 90 55 00-0374	GAL Duct Sealant Spray For Emergency Clean-up .....	78.25	
02 90 55 00-0375	GAL Antifungal Duct Sealant For Emergency Clean-up .....	113.03	
02 90 55 00-0376	GAL Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up .....	170.94	
02 90 55 00-0377	PR Ear Plugs For Emergency Clean-up Personal Protection Equipment .....	0.70	
02 90 55 00-0378	GAL Encapsulant For Emergency Clean-up .....	118.45	
02 90 55 00-0379	GAL Aftershock Fiberlocke For Emergency Clean-up .....	104.00	
02 90 55 00-0380	GAL IAQ 2500 Fiberlocke For Emergency Clean-up .....	134.21	
02 90 55 00-0381	GAL IAS 6000 Fiberlocke For Emergency Clean-up .....	138.03	
02 90 55 00-0382	ROL Filter Material For Emergency Clean-up .....	268.82	
02 90 55 00-0383	EA Blue Paper Collection Bag Filter For Emergency Clean-up .....	7.24	
02 90 55 00-0384	EA CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up .....	574.96	
02 90 55 00-0385	EA Pre-Filter For Negative Air Machine For Emergency Clean-up .....	2.76	
02 90 55 00-0386	EA Pleated Filter For Negative Air Machine For Emergency Clean-up .....	12.28	
02 90 55 00-0387	EA Charcoal Filter For Negative Air Machine For Emergency Clean-up .....	43.72	
02 90 55 00-0388	EA High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up.....	415.85	
02 90 55 00-0389	EA Pleated Dehumidifier Filter For Emergency Clean-up.....	10.97	
02 90 55 00-0390	GAL Floor Stripper For Emergency Clean-up .....	24.34	
02 90 55 00-0391	GAL Floor Wax For Emergency Clean-up .....	34.78	
02 90 55 00-0392	GAL Fogger (Thermal) For Emergency Clean-up .....	201.05	
02 90 55 00-0393	BOX Furniture Blocks For Emergency Clean-up .....	161.93	
02 90 55 00-0394	EA Furniture Polish, Per 10 Oz Can For Emergency Clean-up .....	21.82	
02 90 55 00-0395	GAL Glass Cleaner For Emergency Clean-up .....	14.55	
02 90 55 00-0396	PR Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment .....	26.52	
02 90 55 00-0397	EA Goof Off Spray, 12 Oz For Emergency Clean-up .....	17.41	
02 90 55 00-0398	EA Halogen Light Bulbs For Emergency Clean-up .....	24.83	
02 90 55 00-0399	QT Hand Sanitizer For Emergency Clean-up .....	12.28	
02 90 55 00-0400	EA Hard Hats For Emergency Clean-up Personal Protection Equipment .....	10.11	

**02 Existing Conditions****02 90 Disaster Recovery****02 90 55 Emergency Clean-up**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 90 55 00-0401	BOX Hog Rings, Box Of 2,500 For Emergency Clean-up .....	21.21
02 90 55 00-0402	GAL HVAC Coal Cleaner For Emergency Clean-up .....	68.97
02 90 55 00-0403	BOX Inventory Tag, Box Of 1,000 For Emergency Clean-up .....	149.18
02 90 55 00-0404	EA Utility Knives For Emergency Clean-up .....	19.13
02 90 55 00-0405	ROL 13" Lay Flat Tubing (250' Roll) For Emergency Clean-up .....	127.97
02 90 55 00-0406	ROL 20" Lay Flat Tubing (250' Roll) For Emergency Clean-up .....	135.10
02 90 55 00-0407	ROL 29" Lay Flat Tubing (250' Roll) For Emergency Clean-up .....	268.99
02 90 55 00-0408	ROL 39" Lay Flat Tubing (250' Roll) For Emergency Clean-up .....	388.79
02 90 55 00-0409	GAL Lemon Oil For Emergency Clean-up .....	58.48
02 90 55 00-0410	GAL LPS 1/Mecca Lube For Emergency Clean-up .....	63.19
02 90 55 00-0411	GAL LPS 2 For Emergency Clean-up .....	66.88
02 90 55 00-0412	GAL LPS Contact Cleaner For Emergency Clean-up .....	66.56
02 90 55 00-0413	GAL Light Lubricant Preserve For Emergency Clean-up .....	155.72
02 90 55 00-0414	GAL Heavy Lubricant Preserver For Emergency Clean-up .....	34.78
02 90 55 00-0415	GAL Machinery Cleaning Solvent For Emergency Clean-up .....	280.00
02 90 55 00-0416	GAL Metal Polishing Paste For Emergency Clean-up .....	28.82
02 90 55 00-0417	GAL MediClean® Disinfectant For Emergency Clean-up .....	70.29
02 90 55 00-0418	GAL Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up .....	86.27
02 90 55 00-0419	EA Mop Heads For Emergency Clean-up .....	10.39
02 90 55 00-0420	EA Nylon Scouring Pads For Emergency Clean-up .....	1.91
02 90 55 00-0421	GAL Odor Neutralizer For Emergency Clean-up .....	44.78
02 90 55 00-0422	EA Packing Paper, 25 LB Bundle For Emergency Clean-up .....	77.58
02 90 55 00-0423	EA Paint Brushes For Emergency Clean-up .....	8.69
02 90 55 00-0424	ROL Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up .....	180.91
02 90 55 00-0425	EA Putty Knives For Emergency Clean-up .....	7.88
02 90 55 00-0426	ROL Red Resin Paper, 200' Roll For Emergency Clean-up .....	39.48
02 90 55 00-0427	GAL Reodorant For Emergency Clean-up .....	147.80
02 90 55 00-0428	EA N95 Respirator For Emergency Clean-up Personal Protection Equipment .....	5.06
02 90 55 00-0429	EA N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment .....	7.86
02 90 55 00-0430	PR 3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment .....	52.72
02 90 55 00-0431	PR P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment .....	52.72
02 90 55 00-0432	EA Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment .....	42.19
02 90 55 00-0433	GAL Restoracide For Emergency Clean-up .....	69.33
02 90 55 00-0434	GAL Rust Remover For Emergency Clean-up .....	102.35
02 90 55 00-0435	EA Saltesmo Test Samples For Emergency Clean-up .....	9.51
02 90 55 00-0436	EA Sand Bag For Emergency Clean-up .....	2.49
	Note: Excludes sand material	
02 90 55 00-0437	EA Scotch-Brite 7447, Per Box 50 For Emergency Clean-up .....	31.07
02 90 55 00-0438	EA Small Scrub Brushes For Emergency Clean-up .....	16.61
02 90 55 00-0439	GAL Clear Soot Sealant For Emergency Clean-up .....	118.70
02 90 55 00-0440	GAL Pigmented Soot Sealant For Emergency Clean-up .....	320.10
02 90 55 00-0441	ROL Shrinkwrap Plastic For Emergency Clean-up .....	73.69
02 90 55 00-0442	EA Dry Sponges For Emergency Clean-up .....	5.78
02 90 55 00-0443	EA Spray Adhesive, Per Can For Emergency Clean-up .....	7.69
02 90 55 00-0444	EA Spray Bot./Trigger For Emergency Clean-up .....	6.71
02 90 55 00-0445	GAL Stain Remover For Emergency Clean-up .....	40.45
02 90 55 00-0446	GAL Stainless Steel Cleaner For Emergency Clean-up .....	14.48
02 90 55 00-0447	EA Stainless Steel Polish, Per Can For Emergency Clean-up .....	19.01
02 90 55 00-0448	LB Sweeping Compound For Emergency Clean-up .....	0.64
02 90 55 00-0449	ROL Duct Tape, 2" x 50 YD For Emergency Clean-up .....	15.04
02 90 55 00-0450	ROL Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up .....	14.15
02 90 55 00-0451	ROL HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up .....	38.26
02 90 55 00-0452	ROL Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up .....	20.14
02 90 55 00-0453	ROL Poly Box Tape, 2" x 110 YD For Emergency Clean-up .....	6.21
02 90 55 00-0454	LB Terry Towels For Emergency Clean-up .....	8.96
02 90 55 00-0455	GAL Thermal Fog For Emergency Clean-up .....	91.00
02 90 55 00-0456	ROL 1.7 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up .....	46.79
02 90 55 00-0457	ROL 3 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up .....	115.20
02 90 55 00-0458	ROL 4 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up .....	147.80
02 90 55 00-0459	ROL 6 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up .....	186.59
02 90 55 00-0460	EA Trisodium Phosphate, 20 LB Pail For Emergency Clean-up .....	63.45
02 90 55 00-0461	EA Backpack Vacuum Bags For Emergency Clean-up .....	2.14
02 90 55 00-0462	EA Upright Vacuum Bags For Emergency Clean-up .....	2.85
02 90 55 00-0463	GAL Vinyl And Leather Cleaner For Emergency Clean-up .....	36.11
02 90 55 00-0464	ROL 1 Mil Visqueen, 12' x 400', For Emergency Clean-up .....	60.61
02 90 55 00-0465	ROL 4 Mil Visqueen, 32' x 100', For Emergency Clean-up .....	164.59
02 90 55 00-0466	ROL 6 Mil Visqueen, 32' x 400', For Emergency Clean-up .....	224.58
02 90 55 00-0467	LB Wipes, Cotton Cloth For Emergency Clean-up .....	6.36
02 90 55 00-0468	ROL 12" x 750', Wrap, Bubble/Anti-Static For Emergency Clean-up .....	184.85
02 90 55 00-0469	EA Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up .....	18.06
02 90 55 00-0470	EA Zip Wall Zippers For Emergency Clean-up .....	28.06

**02 90 55 00-0471 Technical/Electronics Restoration Materials (02 90 55 00-0440)**

02 90 55 00-0472	EA Brush - Brass For Emergency Clean-up .....	6.52
02 90 55 00-0473	EA 1" Brush, Natural Bristle For Emergency Clean-up .....	2.09
02 90 55 00-0474	EA 1/2" Brush, Natural Bristle For Emergency Clean-up .....	1.74
02 90 55 00-0475	EA 1/4" Brush, Natural Bristle For Emergency Clean-up .....	1.48
02 90 55 00-0476	EA Brush - Parts For Emergency Clean-up .....	9.04
02 90 55 00-0477	EA Brush - Plastic For Emergency Clean-up .....	4.70
02 90 55 00-0478	EA Brush - Wire Grout For Emergency Clean-up .....	9.48



<b>Existing Conditions</b>	<b>02</b>	<b>02</b>
Disaster Recovery	02 90	
Emergency Clean-up	02 90 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0479 EA Brushing Tool For Emergency Clean-up.....	18.28	
02 90 55 00-0480 EA Cleaning Swabs, Cotton For Emergency Clean-up .....	0.43	
02 90 55 00-0481 EA Cleaning Swabs, Foam Tip For Emergency Clean-up.....	0.52	
02 90 55 00-0482 EA Contact Restorer, Per Can For Emergency Clean-up.....	39.53	
02 90 55 00-0483 EA Contact Spray, Per Can For Emergency Clean-up.....	26.90	
02 90 55 00-0484 UNT Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up .....	4.17	
02 90 55 00-0485 UNT Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up .....	11.95	
02 90 55 00-0486 UNT Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up .....	15.49	
02 90 55 00-0487 LB Cotton Cleaning Cloths For Emergency Clean-up .....	24.45	
02 90 55 00-0488 EA 12" x 17" Dust Cloths For Emergency Clean-up .....	0.39	
02 90 55 00-0489 EA 24" x 24" Dust Cloths For Emergency Clean-up .....	1.07	
02 90 55 00-0490 EA Deoxidizing Agent, Per Can For Emergency Clean-up.....	19.15	
02 90 55 00-0491 GAL Electronic Grade Detergent For Emergency Clean-up .....	40.63	
02 90 55 00-0492 SHT Inventory Labels For Emergency Clean-up.....	0.22	
02 90 55 00-0493 GAL Isopropyl Alcohol For Emergency Clean-up.....	107.66	
02 90 55 00-0494 GAL Lubrication/Penetrating Oil, Per Can For Emergency Clean-up.....	157.02	
02 90 55 00-0495 GAL PC Board Detergent For Emergency Clean-up.....	111.67	
02 90 55 00-0496 GAL Rust Inhibitor, Regular Duty For Emergency Clean-up.....	180.94	
02 90 55 00-0497 GAL Rust Inhibitor, Moderate Duty For Emergency Clean-up .....	182.29	
02 90 55 00-0498 GAL Rust Inhibitor, Severe Duty For Emergency Clean-up .....	194.85	
02 90 55 00-0499 LB Wipes, Lint Free Cloths For Emergency Clean-up.....	6.84	
02 90 55 00-0500 EA Wire Marker Card For Emergency Clean-up.....	3.04	
02 90 55 00-0501 EA Steel Wool, 16 Pad Sleeve For Emergency Clean-up .....	1.53	

**END OF SECTION 02**

02

**02 Existing Conditions**

02 90 Disaster Recovery

02 90 55 Emergency Clean-up



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MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 03 Concrete

### 03 01 Maintenance of Concrete <sup>(03)</sup>

#### 03 01 30 Maintenance of Cast-In-Place Concrete <sup>(03 01)</sup>

#### **03 01 30 51 Cleaning of Cast-In-Place Concrete <sup>(03 01 30)</sup>**

<b>03 01 30 51-0001</b>	<b>Abrasive Blasting <sup>(03 01 30 51)</sup></b> Note: Includes containment and clean-up of all material. Includes steel ball media.	
03 01 30 51-0002	SF Concrete Floors, Abrasive Shot (Bead) Blasting.....	3.39
	For Up To 100, Add	2.92
	For >100 To 250, Add	0.73
	For >250 To 500, Add	0.37
	For >5,000 To 10,000, Deduct	-0.07
	For >10,000, Deduct	-0.15
03 01 30 51-0003	SF Concrete Walls, Abrasive Shot (Bead) Blasting.....	4.84
	For Up To 100, Add	5.82
	For >100 To 250, Add	1.46
	For >250 To 500, Add	0.73
	For >5,000 To 10,000, Deduct	-0.15
	For >10,000, Deduct	-0.29

#### **03 01 30 71 Rehabilitation of Cast-In-Place Concrete <sup>(03 01 30)</sup>**

03 01 30 71-0001	Concrete Resurfacing/Repair <sup>(03 01 30 71)</sup> See CSI section 09 01 90 52-0002 for surface preparation as required.	
03 01 30 71-0002	<b>Spall Concrete Repair <sup>(03 01 30 71-0001)</sup></b> Note: Includes removal of defective concrete with chipping hammers, water blasting, cleaning of rebar, formwork, cementitious mortar, curing, and finishing.	
03 01 30 71-0003	SF Spall Concrete Repair, Up To 3/4" Deep On Vertical/Overhead Surfaces.....	81.33
	For Up To 100, Add	57.73
	For >100 To 250, Add	28.86
03 01 30 71-0004	SF Spall Concrete Repair, >3/4" To 1-1/2" Deep On Vertical/Overhead Surfaces.....	94.24
	For Up To 100, Add	64.14
	For >100 To 250, Add	32.07
03 01 30 71-0005	SF Spall Concrete Repair, >1-1/2" To 3" Deep On Vertical/Overhead Surfaces.....	141.37
	For Up To 100, Add	96.22
	For >100 To 250, Add	48.11
03 01 30 71-0006	SF Spall Concrete Repair, >3" To 4" Deep On Vertical/Overhead Surfaces.....	184.21
	For Up To 100, Add	125.08
	For >100 To 250, Add	62.54
03 01 30 71-0007	SF Spall Concrete Repair, Up To 3/4" Deep On Floor Surfaces.....	58.25
	For Up To 100, Add	40.42
	For >100 To 250, Add	20.21
03 01 30 71-0008	SF Spall Concrete Repair, >3/4" To 1-1/2" Deep On Floor Surfaces.....	68.59
	For Up To 100, Add	44.90
	For >100 To 250, Add	22.45
03 01 30 71-0009	SF Spall Concrete Repair, >1-1/2" To 3" Deep On Floor Surfaces.....	102.88
	For Up To 100, Add	67.35
	For >100 To 250, Add	33.68
03 01 30 71-0010	SF Spall Concrete Repair, >3" To 4" Deep On Floor Surfaces.....	134.18
	For Up To 100, Add	87.56
	For >100 To 250, Add	43.78

03 01 30 71-0011	Concrete Cleaning <sup>(03 01 30 71-0001)</sup>	
03 01 30 71-0012	SF Clean Calcite/Staining On Concrete .....	21.42

03 01 30 71-0013	Concrete Repair <sup>(03 01 30 71-0001)</sup>	
03 01 30 71-0014	<b>Decks Or Floors <sup>(03 01 30 71-0013)</sup></b> Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0015	SF Patch Decks Or Floors With 1/8" To 1/4" Thick Cementitious Mortar .....	6.05
03 01 30 71-0016	SF Patch Decks Or Floors With 1/8" To 1/4" Thick Epoxy Cementitious Mortar .....	18.77
03 01 30 71-0017	SF Patch Decks Or Floors With White Aluminum Oxide Grit (Non Slip Aggregate) .....	0.53

03 01 30 71-0018	Verticals Or Overheads <sup>(03 01 30 71-0013)</sup> Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0019	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Cementitious Mortar .....	9.08
03 01 30 71-0020	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Epoxy Cementitious Mortar .....	25.90
03 01 30 71-0021	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Latex Cementitious Mortar .....	29.12
03 01 30 71-0022	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Elastomeric Compound .....	8.34
03 01 30 71-0023	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Copolymer Cementitious Compound.....	14.79
	Note: Rapid Set - W/underFixx	

03 01 30 71-0024	Bridge Deck Treatment <sup>(03 01 30 71-0013)</sup>	
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**03 Concrete**  
**03 01 Maintenance of Concrete**  
**03 01 30 Maintenance of Cast-In-Place Concrete**



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
03 01 30 71-0025	SF	Sweep Bridge Deck .....	0.02	
03 01 30 71-0026	SF	Clean Bridge Deck .....	0.03	
03 01 30 71-0027	SF	Treat Bridge Deck With Methacrylate Resin Sealant .....	2.08	
<b>03 01 30 71-0028</b>		<b>Concrete Finishes</b> (03 01 30 71-0001)		
<b>03 01 30 71-0029</b>		<b>Concrete Patching</b> (03 01 30 71-0028)		
<b>03 01 30 71-0030</b>		<b>Walls</b> (03 01 30 71-0029)		
03 01 30 71-0031	BAG	Sika Top 111 Plus.....	161.41	
		Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 lbs. of 3/8" pea gravel).		
		For Up To 10, Add	59.15	
		For >10 To 25, Add	35.49	
		For >25 To 50, Add	23.66	
		For >50 To 75, Add	11.83	
03 01 30 71-0032	BAG	Sika Grout 212, 50 LB Bag .....	110.84	
		Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.		
		For Up To 10, Add	37.45	
		For >10 To 25, Add	22.47	
		For >25 To 50, Add	14.98	
		For >50 To 75, Add	7.49	
03 01 30 71-0033	EA	Sika Flex 1A, 10.3 Ounce Tube .....	37.48	
		Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.		
03 01 30 71-0034	BAG	Pea Gravel.....	28.44	
<b>03 01 30 71-0035</b>		<b>Crack Repair For Concrete</b> (03 01 30 71-0001)		
<b>03 01 30 71-0036</b>		<b>Non Structural Crack Repair For Concrete</b> (03 01 30 71-0035)		
<b>03 01 30 71-0037</b>		<b>Surface Applied, Non Structural Crack Repair For Concrete</b> (03 01 30 71-0036)		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.		
03 01 30 71-0038	LF	Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	5.74	
		For V-Grooving Crack With Grinder, Add	4.57	
03 01 30 71-0039	LF	>1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	7.52	
		For V-Grooving Crack With Grinder, Add	4.46	
03 01 30 71-0040	LF	Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	5.87	
		For V-Grooving Crack With Grinder, Add	4.57	
03 01 30 71-0041	LF	>1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	7.77	
		For V-Grooving Crack With Grinder, Add	4.46	
03 01 30 71-0042	LF	Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	6.34	
		For V-Grooving Crack With Grinder, Add	4.57	
03 01 30 71-0043	LF	>1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	8.71	
		For V-Grooving Crack With Grinder, Add	4.46	
03 01 30 71-0044	LF	Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	6.68	
		For V-Grooving Crack With Grinder, Add	4.57	
03 01 30 71-0045	LF	>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	9.40	
		For V-Grooving Crack With Grinder, Add	4.46	
<b>03 01 30 71-0046</b>		<b>Pressure Injected, Non Structural Crack Repair For Concrete</b> (03 01 30 71-0036)		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0047	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570).....	27.20	
		For Cracks Accessible From Both Sides, Add	5.54	
<b>03 01 30 71-0048</b>		<b>Structural Crack Repair For Concrete</b> (03 01 30 71-0035)		
<b>03 01 30 71-0049</b>		<b>Surface Applied, Structural Crack Repair For Concrete</b> (03 01 30 71-0048)		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.		
03 01 30 71-0050	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	6.77	
		For V-Grooving Crack With Grinder, Add	4.57	
03 01 30 71-0051	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	9.57	
		For V-Grooving Crack With Grinder, Add	4.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0052 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52).....	6.58	
<i>For V-Grooving Crack With Grinder, Add</i>	4.57	
03 01 30 71-0053 LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52).....	9.21	
<i>For V-Grooving Crack With Grinder, Add</i>	4.46	
03 01 30 71-0054 LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	8.11	
<i>For V-Grooving Crack With Grinder, Add</i>	4.57	
03 01 30 71-0055 LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	12.27	
<i>For V-Grooving Crack With Grinder, Add</i>	4.46	
<b>03 01 30 71-0056 Pressure Injected, Structural Crack Repair For Concrete</b> <small>(03 01 30 71-0048)</small>		
<small>Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.</small>		
03 01 30 71-0057 LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35).....	23.54	
<i>For Cracks Accessible From Both Sides, Add</i>	5.54	
03 01 30 71-0058 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52).....	23.35	
<i>For Cracks Accessible From Both Sides, Add</i>	5.54	
<b>03 01 30 71-0059 Carbon Fiber Strengthening System</b> <small>(03 01 30 71-0001)</small>		
<small>Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.</small>		
03 01 30 71-0060 SF Carbon Fiber Strengthening System For Concrete Beams, Per Layer .....	77.97	
<small>Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.</small>		
03 01 30 71-0061 SF Carbon Fiber Strengthening System For Concrete Columns, Per Layer .....	69.18	
<small>Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.</small>		
03 01 30 71-0062 SF Carbon Fiber Strengthening System For Concrete Ceiling Slabs, Per Layer.....	64.24	
<small>Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.</small>		
03 01 30 71-0063 SF Carbon Fiber Strengthening System For Walls, Per Layer .....	61.50	
<small>Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.</small>		
<b>03 01 30 72 Strengthening Of Cast-in-Place Concrete</b> <small>(03 01 30)</small>		
<b>03 01 30 72-0001 Concrete Surface Repairs</b> <small>(03 01 30 72)</small>		
03 01 30 72-0002 SF Sound The Concrete Surface To Locate Delaminated Areas .....	0.35	
<b>03 05 Common Work Results For Concrete</b> <small>(03)</small>		
<b>03 05 13 Concrete Admixtures</b> <small>(03 05)</small>		
<b>03 05 13 00-0001 Concrete Admixtures</b> <small>(03 05 13)</small>		
03 05 13 00-0002 CY Low Range Water Reducing (LRWR), Type A Concrete Admixture .....	6.23	
03 05 13 00-0003 CY Set Retarding, Type B Concrete Admixture .....	4.32	
03 05 13 00-0004 CY 1% Calcium Chloride Accelerating, Type C Concrete Admixture.....	6.71	
03 05 13 00-0005 CY 2% Calcium Chloride Accelerating, Type C Concrete Admixture.....	13.43	
03 05 13 00-0006 CY 1% Non-Chloride Accelerating, Type C Concrete Admixture.....	11.99	
03 05 13 00-0007 CY 2% Non-Chloride Accelerating, Type C Concrete Admixture.....	23.98	
03 05 13 00-0008 CY Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture .....	5.18	
03 05 13 00-0009 CY 1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture .....	7.19	
03 05 13 00-0010 CY 2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture .....	14.38	
03 05 13 00-0011 CY Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture .....	5.05	
03 05 13 00-0012 CY High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture.....	11.51	
03 05 13 00-0013 CY 1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture .....	15.34	
03 05 13 00-0014 CY 25 LB/CY Steel Fibers, Concrete Admixture .....	37.71	
03 05 13 00-0015 CY 10% Microsilica (Silica Fume), Concrete Admixture .....	76.72	
03 05 13 00-0016 CY Corrosion Inhibiting Concrete Admixture .....	28.77	
03 05 13 00-0017 CY Winter Service Or Heat, Concrete Add.....	6.71	
03 05 13 00-0018 CY Chilled Water, Concrete Add .....	6.71	
03 05 13 00-0019 CY Subtle Color (See Davis Colors Color Card), Concrete Admixture .....	38.84	
03 05 13 00-0020 CY Standard Color (See Davis Colors Color Card), Concrete Admixture .....	64.73	
03 05 13 00-0021 CY Premium Color (See Davis Colors Color Card), Concrete Admixture .....	124.29	
03 05 13 00-0022 CY Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture .....	172.62	

**03 10 Concrete Forming and Accessories** (03)

**03 11 Concrete Forming** (03 10)

**03 11 13 Structural Cast-In-Place Concrete Forming** (03 11)

Note: Per square foot of formwork.

**03 Concrete****03 10 Concrete Forming and Accessories****03 11 Concrete Forming**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0001			<b>Wood Formwork</b> <small>(03 11 13)</small> Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0002			<b>Foundation Wood Formwork</b> <small>(03 11 13 00-0001)</small> Note: For foundation work below or at grade.		
03 11 13 00-0003	SF		Continuous Footings Foundation Wood Formwork.....	8.33	
			For <1,000, Add	1.51	
			For Foundations >8' Below Grade, Add	1.43	
			For Curved Formwork, Add	2.86	
03 11 13 00-0004	SF		Pile Cap, Pier Or Spread Footings Foundation Wood Formwork.....	9.83	
			For <1,000, Add	1.80	
			For Foundations >8' Below Grade, Add	1.72	
			For Curved Formwork, Add	3.44	
03 11 13 00-0005	SF		Mat Foundation Wood Formwork.....	11.25	
			For <1,000, Add	2.10	
			For Foundations >8' Below Grade, Add	2.02	
			For Curved Formwork, Add	4.04	
03 11 13 00-0006	SF		Grade Beams Or Duct Bank Foundation Wood Formwork .....	9.49	
			For <1,000, Add	1.74	
			For Foundations >8' Below Grade, Add	1.67	
			For Curved Formwork, Add	3.33	
03 11 13 00-0007	SF		Below Grade Walls Foundation Wood Formwork .....	13.50	
			Note: Excludes footing		
			For <1,000, Add	2.47	
			For Foundations >8' Below Grade, Add	2.36	
			For Curved Formwork, Add	4.72	
03 11 13 00-0008			<b>Slab Edge And Block-Out Wood Formwork</b> <small>(03 11 13 00-0001)</small>		
03 11 13 00-0009	LF		Up To 6" High Slab Edge and Block-Out Wood Formwork .....	6.28	
			For Foundations >8' Below Grade, Add	1.13	
			For Curved Formwork, Add	2.26	
			For Up To 250, Add	1.17	
03 11 13 00-0010	LF		>6" To 12" High Slab Edge and Block-Out Wood Formwork .....	9.18	
			For Foundations >8' Below Grade, Add	1.59	
			For Curved Formwork, Add	3.18	
			For Up To 250, Add	1.67	
03 11 13 00-0011	SF		>12" High Slab Edge and Block-Out Wood Formwork .....	11.76	
			For Foundations >8' Below Grade, Add	2.05	
			For Curved Formwork, Add	4.11	
			For <1,000, Add	2.15	
03 11 13 00-0012			<b>Column Wood Formwork</b> <small>(03 11 13 00-0001)</small>		
03 11 13 00-0013	LF		Up To 8" Square Column Wood Formwork.....	49.55	
03 11 13 00-0014	LF		>8" To 12" Square Column Wood Formwork .....	72.94	
03 11 13 00-0015	LF		>12" To 18" Square Column Wood Formwork.....	90.94	
03 11 13 00-0016	LF		>18" To 24" Square Column Wood Formwork.....	128.85	
03 11 13 00-0017	LF		>24" To 36" Square Column Wood Formwork.....	184.40	
03 11 13 00-0018	LF		>36" To 48" Square Column Wood Formwork.....	242.21	
03 11 13 00-0019			<b>Above Grade Wall Wood Formwork</b> <small>(03 11 13 00-0001)</small>		
03 11 13 00-0020	SF		Up To 8' High Above Grade Wall Wood Formwork.....	14.98	
			For Curved Formwork, Add	5.31	
			For <1,000, Add	2.77	
03 11 13 00-0021	SF		>8' High Above Grade Wall Wood Formwork .....	17.72	
			For Curved Formwork, Add	6.30	
			For <1,000, Add	3.28	
03 11 13 00-0022			<b>Elevated Beam Wood Formwork</b> <small>(03 11 13 00-0001)</small> Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023	SF		Bottom of Elevated Beam Wood Formwork .....	19.31	
			For Curved Formwork, Add	6.90	
			For <1,000, Add	3.59	
03 11 13 00-0024	SF		Vertical Sides of Elevated Beam Wood Formwork.....	12.40	
			For Curved Formwork, Add	4.42	
			For <1,000, Add	2.30	
03 11 13 00-0025			<b>Elevated Slab Wood Formwork</b> <small>(03 11 13 00-0001)</small> Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026	SF		Elevated Slab Wood Formwork.....	11.70	
			For <1,000, Add	2.08	
03 11 13 00-0027			<b>Metal Framed Formwork</b> <small>(03 11 13)</small> Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		



<b>Concrete</b>	<b>03</b>	<b>CS</b>	
<b>Concrete Forming and Accessories</b>			<b>03 10</b>
<b>Concrete Forming</b>			<b>03 11</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>03 11 13 00-0028</b> Foundation Metal Framed Formwork <small>(03 11 13 00-0027)</small>		
Note: For foundation work below or at grade.		
03 11 13 00-0029 SF Continuous Footings Foundation Metal Framed Formwork .....	7.04	
For <1,000, Add	1.31	
For Foundations >8' Below Grade, Add	1.26	
For Curved Formwork, Add	2.51	
03 11 13 00-0030 SF Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork .....	7.82	
For <1,000, Add	1.46	
For Foundations >8' Below Grade, Add	1.41	
For Curved Formwork, Add	2.82	
03 11 13 00-0031 SF Mat Foundation Metal Framed Formwork .....	8.74	
For <1,000, Add	1.62	
For Foundations >8' Below Grade, Add	1.55	
For Curved Formwork, Add	3.11	
03 11 13 00-0032 SF Grade Beams Or Duct Bank Foundation Metal Framed Formwork .....	7.38	
For <1,000, Add	1.36	
For Foundations >8' Below Grade, Add	1.31	
For Curved Formwork, Add	2.62	
03 11 13 00-0033 SF Below Grade Walls Foundation Metal Framed Formwork .....	11.27	
Note: Excludes footing.		
For <1,000, Add	2.12	
For Foundations >8' Below Grade, Add	2.05	
For Curved Formwork, Add	4.09	
<b>03 11 13 00-0034</b> Slab Edge And Block-Out Metal Framed Formwork <small>(03 11 13 00-0027)</small>		
03 11 13 00-0035 LF Up To 6" High Slab Edge and Block-Out Metal Framed Formwork .....	5.13	
For Foundations >8' Below Grade, Add	1.00	
For Curved Formwork, Add	2.00	
For <250, Add	1.01	
03 11 13 00-0036 LF >6" To 12" High Slab Edge and Block-Out Metal Framed Formwork .....	6.41	
For Foundations >8' Below Grade, Add	1.24	
For Curved Formwork, Add	2.49	
For <250, Add	1.26	
03 11 13 00-0037 SF >12" High Slab Edge and Block-Out Metal Framed Formwork .....	7.09	
For Foundations >8' Below Grade, Add	1.37	
For Curved Formwork, Add	2.75	
For <1,000, Add	1.39	
<b>03 11 13 00-0038</b> Column Metal Framed Formwork <small>(03 11 13 00-0027)</small>		
<b>03 11 13 00-0039</b> Square Columns <small>(03 11 13 00-0038)</small>		
03 11 13 00-0040 LF Up To 12" Square Column Metal Framed Formwork .....	42.87	
03 11 13 00-0041 LF >12" To 16" Square Column Metal Framed Formwork .....	51.75	
03 11 13 00-0042 LF >16" To 20" Square Column Metal Framed Formwork .....	60.65	
03 11 13 00-0043 LF >20" To 24" Square Column Metal Framed Formwork .....	72.51	
03 11 13 00-0044 LF >24" To 30" Square Column Metal Framed Formwork .....	87.32	
03 11 13 00-0045 LF >30" To 36" Square Column Metal Framed Formwork .....	104.78	
03 11 13 00-0046 LF >36" To 48" Square Column Metal Framed Formwork .....	134.41	
03 11 13 00-0047 LF >48" To 60" Square Column Metal Framed Formwork .....	165.70	
<b>03 11 13 00-0048</b> Round Columns <small>(03 11 13 00-0038)</small>		
03 11 13 00-0049 LF Up To 12" Diameter Column Metal Formwork .....	40.30	
03 11 13 00-0050 LF >12" To 16" Diameter Column Metal Formwork .....	44.98	
03 11 13 00-0051 LF >16" To 20" Diameter Column Metal Formwork .....	51.79	
03 11 13 00-0052 LF >20" To 24" Diameter Column Metal Formwork .....	60.66	
03 11 13 00-0053 LF >24" To 30" Diameter Column Metal Formwork .....	71.80	
03 11 13 00-0054 LF >30" To 36" Diameter Column Metal Formwork .....	82.37	
03 11 13 00-0055 LF >36" To 48" Diameter Column Metal Formwork .....	106.09	
03 11 13 00-0056 LF >48" To 60" Diameter Column Metal Formwork .....	136.72	
<b>03 11 13 00-0057</b> Above Grade Wall Metal Framed Formwork <small>(03 11 13 00-0027)</small>		
03 11 13 00-0058 SF Up to 8' High Above Grade Wall Metal Framed Formwork .....	6.85	
For Curved Formwork, Add	2.33	
For <1,000, Add	1.23	
03 11 13 00-0059 SF >8' High Above Grade Wall Metal Framed Formwork .....	8.34	
For Curved Formwork, Add	2.80	
For <1,000, Add	1.49	
<b>03 11 13 00-0060</b> Elevated Beam Metal Framed Formwork <small>(03 11 13 00-0027)</small>		
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0061 SF Bottom of Elevated Beam Metal Framed Formwork .....	6.95	
For Curved Formwork, Add	2.19	
For <1,000, Add	1.19	
03 11 13 00-0062 SF Vertical Sides of Elevated Beam Metal Framed Formwork .....	5.09	
For Curved Formwork, Add	1.70	
For <1,000, Add	0.91	

**03 Concrete****03 10 Concrete Forming and Accessories****03 11 Concrete Forming**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 11 13 00-0063	<b>Elevated Slab Metal Framed Formwork</b> <small>(03 11 13 00-0027)</small>		
	Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0064	SF Elevated Slab Metal Framed Formwork.....	9.71	
	For <1,000, Add		1.47
03 11 13 00-0065	<b>Fiber Tube Formwork</b> <small>(03 11 13)</small>		
	Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
03 11 13 00-0066	<b>Round Column Fiber Tube Formwork</b> <small>(03 11 13 00-0065)</small>		
03 11 13 00-0067	LF 6" Diameter Round Fiber Tube Formwork .....	18.76	
	For Plastic Lined, Add		0.86
	For Columns >12' In Length, Add		1.88
03 11 13 00-0068	LF 8" Diameter Round Fiber Tube Formwork .....	19.86	
	For Plastic Lined, Add		1.01
	For Columns >12' In Length, Add		1.99
03 11 13 00-0069	LF 10" Diameter Round Fiber Tube Formwork .....	21.96	
	For Plastic Lined, Add		1.16
	For Columns >12' In Length, Add		2.20
03 11 13 00-0070	LF 12" Diameter Round Fiber Tube Formwork .....	26.12	
	For Plastic Lined, Add		1.66
	For Columns >12' In Length, Add		2.61
03 11 13 00-0071	LF 14" Diameter Round Fiber Tube Formwork .....	29.78	
	For Plastic Lined, Add		2.25
	For Columns >12' In Length, Add		2.98
03 11 13 00-0072	LF 16" Diameter Round Fiber Tube Formwork .....	32.57	
	For Plastic Lined, Add		2.85
	For Columns >12' In Length, Add		3.26
03 11 13 00-0073	LF 18" Diameter Round Fiber Tube Formwork .....	34.29	
	For Plastic Lined, Add		3.10
	For Columns >12' In Length, Add		3.43
03 11 13 00-0074	LF 20" Diameter Round Fiber Tube Formwork .....	37.75	
	For Plastic Lined, Add		3.87
	For Columns >12' In Length, Add		3.78
03 11 13 00-0075	LF 22" Diameter Round Fiber Tube Formwork .....	41.64	
	For Plastic Lined, Add		4.67
	For Columns >12' In Length, Add		4.16
03 11 13 00-0076	LF 24" Diameter Round Fiber Tube Formwork .....	45.56	
	For Plastic Lined, Add		5.47
	For Columns >12' In Length, Add		4.56
03 11 13 00-0077	LF 26" Diameter Round Fiber Tube Formwork .....	47.71	
	For Plastic Lined, Add		5.96
	For Columns >12' In Length, Add		4.77
03 11 13 00-0078	LF 28" Diameter Round Fiber Tube Formwork .....	51.11	
	For Plastic Lined, Add		6.83
	For Columns >12' In Length, Add		5.11
03 11 13 00-0079	LF 30" Diameter Round Fiber Tube Formwork .....	54.78	
	For Plastic Lined, Add		7.79
	For Columns >12' In Length, Add		5.48
03 11 13 00-0080	LF 36" Diameter Round Fiber Tube Formwork .....	67.77	
	For Plastic Lined, Add		11.15
	For Columns >12' In Length, Add		6.78
03 11 13 00-0081	LF 42" Diameter Round Fiber Tube Formwork .....	95.02	
	For Plastic Lined, Add		18.93
	For Columns >12' In Length, Add		9.50
03 11 13 00-0082	LF 48" Diameter Round Fiber Tube Formwork .....	114.53	
	For Plastic Lined, Add		24.40
	For Columns >12' In Length, Add		11.45
03 11 13 00-0083	LF 54" Diameter Round Fiber Tube Formwork .....	195.73	
	For Plastic Lined, Add		48.13
	For Columns >12' In Length, Add		19.57
03 11 13 00-0084	LF 60" Diameter Round Fiber Tube Formwork .....	218.16	
	For Plastic Lined, Add		54.38
	For Columns >12' In Length, Add		21.82
03 11 13 00-0085	<b>Accessories For Formwork</b> <small>(03 11 13)</small>		
03 11 13 00-0086	<b>Keyway Forms, All Materials</b> <small>(03 11 13 00-0085)</small>		
03 11 13 00-0087	LF 2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials.....	2.25	
03 11 13 00-0088	<b>Chamfer Strips, All Materials</b> <small>(03 11 13 00-0085)</small>		
03 11 13 00-0089	LF 1/2" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.37	
03 11 13 00-0090	LF 3/4" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.77	
03 11 13 00-0091	LF 1" Wide Chamfer Strips for Concrete Formwork, All Materials.....	3.20	
03 11 13 00-0092	<b>Strip Out Reglets For Concrete Formwork</b> <small>(03 11 13 00-0085)</small>		
03 11 13 00-0093	LF 24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork.....	11.50	
03 11 13 00-0094	<b>Sleeves And Chases, Plastic Or Sheet Metal</b> <small>(03 11 13 00-0085)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0095 EA 2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	13.01	
03 11 13 00-0096 EA 4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	15.69	
03 11 13 00-0097 EA 6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	18.98	
03 11 13 00-0098 EA 8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	21.48	
03 11 13 00-0099 EA 12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	27.64	
03 11 13 00-0100 EA 18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	59.93	
 <b>03 11 16 Architectural Cast-In-Place Concrete Forming (03 11)</b>		
<b>03 11 16 13 Concrete Form Liners (03 11 16)</b>		
<b>03 11 16 13-0001 Concrete Form Liners (03 11 16 13)</b>		
03 11 16 13-0002 SF Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork.....	5.30	
03 11 16 13-0003 SF Beveled Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork.....	7.08	
03 11 16 13-0004 SF Square Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork.....	9.32	
 <b>03 11 23 Permanent Stair Forming (03 11)</b>		
<b>03 11 23 00-0001 Stairway Wood Formwork (03 11 23)</b>		
03 11 23 00-0002 SF Cast On Grade Stairway Wood Formwork.....	18.44	
<i>For Curved Formwork, Add</i>	6.96	
<i>For &lt;1,000, Add</i>	3.55	
03 11 23 00-0003 SF Elevated Stairway Wood Formwork.....	36.73	
<i>Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.</i>		
<i>For Curved Formwork, Add</i>	13.62	
<i>For &lt;1,000, Add</i>	6.99	
 <b>03 11 23 00-0004 Stairway Metal Framed Formwork (03 11 23)</b>		
03 11 23 00-0005 SF Cast On Grade Stairway Metal Framed Formwork.....	14.85	
<i>For Curved Formwork, Add</i>	5.66	
<i>For &lt;1,000, Add</i>	2.88	
03 11 23 00-0006 SF Elevated Stairway Metal Framed Formwork.....	27.66	
<i>Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.</i>		
<i>For Curved Formwork, Add</i>	10.51	
<i>For &lt;1,000, Add</i>	5.35	
 <b>03 15 Concrete Accessories (03 15)</b>		
<b>03 15 13 Waterstops (03 15)</b>		
<b>03 15 13 13 Non-Expanding Waterstops (03 15 13)</b>		
<b>03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops (03 15 13 13)</b>		
03 15 13 13-0002 LF 3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	8.41	
03 15 13 13-0003 LF 3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	9.41	
03 15 13 13-0004 LF 3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	11.21	
03 15 13 13-0005 LF 3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	12.24	
03 15 13 13-0006 LF 1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	17.87	
03 15 13 13-0007 LF 3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop.....	8.97	
03 15 13 13-0008 LF 3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop.....	11.31	
03 15 13 13-0009 LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop.....	19.42	
03 15 13 13-0010 LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	15.56	
 <b>03 15 13 13-0011 Rubber Waterstops (03 15 13 13)</b>		
03 15 13 13-0012 LF 3/8" Thick x 6" Wide Rubber Dumbbell Waterstop.....	9.35	
03 15 13 13-0013 LF 3/8" Thick x 9" Wide Rubber Dumbbell Waterstop.....	10.66	
03 15 13 13-0014 LF 1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	9.59	
03 15 13 13-0015 LF 1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	12.93	
03 15 13 13-0016 LF 3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	10.94	
03 15 13 13-0017 LF 3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	13.81	
 <b>03 15 13 16 Expanding Waterstops (03 15 13)</b>		
<b>03 15 13 16-0001 Bentonite Waterstops (03 15 13 16)</b>		
03 15 13 16-0002 LF 3/4" x 3/8" Bentonite Waterstop.....	7.36	
03 15 13 16-0003 LF 1-1/4" x 1/2" Bentonite Waterstop.....	11.12	
03 15 13 16-0004 LF 1" x 3/4" Bentonite Waterstop.....	12.45	
03 15 13 16-0005 LF 1" x 1" Bentonite Waterstop.....	14.02	
 <b>03 15 16 Concrete Construction Joints (03 15)</b>		
<b>03 15 16 00-0001 Poured Expansion Joint (03 15 16)</b>		
03 15 16 00-0002 LF 1/2" x 1" Plain Asphalt Expansion Joint, Poured.....	2.76	0.79
<i>For Installation In Walls, Add</i>	1.33	
03 15 16 00-0003 LF 1" x 2" Plain Asphalt Expansion Joint, Poured.....	5.98	0.79
<i>For Installation In Walls, Add</i>	1.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0004	LF		1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied .....	2.67	0.79
			<i>For Installation In Walls, Add</i>	1.33	
03 15 16 00-0005	LF		1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied .....	5.62	0.79
			<i>For Installation In Walls, Add</i>	1.49	
03 15 16 00-0006	LF		1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts .....	3.67	0.79
			<i>For Installation In Walls, Add</i>	1.49	
03 15 16 00-0007	LF		1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts .....	6.56	0.79
			<i>For Installation In Walls, Add</i>	2.42	
03 15 16 00-0008	LF		1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied .....	3.04	0.79
			<i>For Installation In Walls, Add</i>	1.33	
03 15 16 00-0009	LF		1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant .....	3.70	0.79
			<i>For Installation In Walls, Add</i>	1.33	
03 15 16 00-0010	LF		1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant .....	9.39	0.79
			<i>For Installation In Walls, Add</i>	1.49	
<b>03 15 16 00-0011</b>			<b>Premolded Expansion Joints (03 15 16)</b>		
<b>03 15 16 00-0012</b>			<b>Asphalt Saturated Fiber, Premolded Expansion Joints (03 15 16 00-0011)</b>		
03 15 16 00-0013	LF		1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.35	1.09
03 15 16 00-0014	LF		1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.70	1.15
03 15 16 00-0015	LF		1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.91	1.20
03 15 16 00-0016	LF		1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.14	1.25
03 15 16 00-0017	LF		3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.57	1.09
03 15 16 00-0018	LF		3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.87	1.15
03 15 16 00-0019	LF		3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.22	1.20
03 15 16 00-0020	LF		3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.73	1.25
03 15 16 00-0021	LF		1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.33	1.04
03 15 16 00-0022	LF		1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.53	1.09
03 15 16 00-0023	LF		1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.79	1.15
03 15 16 00-0024	LF		1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.99	1.20
03 15 16 00-0025	LF		1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.25	1.25
03 15 16 00-0026	LF		1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.61	1.31
03 15 16 00-0027	LF		1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.89	1.36
03 15 16 00-0028	LF		1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint .....	4.35	1.42
03 15 16 00-0029	LF		3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.80	1.15
03 15 16 00-0030	LF		3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.21	1.20
03 15 16 00-0031	LF		3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.93	1.31
03 15 16 00-0032	SF		1" Asphalt Saturated Fiber, Premolded Expansion Joint .....	6.78	1.80
<b>03 15 16 00-0033</b>			<b>Cork, Premolded Expansion Joints (03 15 16 00-0011)</b>		
03 15 16 00-0034	LF		1/2" x 4" Cork, Premolded Expansion Joint .....	4.01	1.15
03 15 16 00-0035	LF		1/2" x 6" Cork, Premolded Expansion Joint .....	4.51	1.25
03 15 16 00-0036	LF		1/2" x 8" Cork, Premolded Expansion Joint .....	4.90	1.31
03 15 16 00-0037	LF		1/2" x 10" Cork, Premolded Expansion Joint .....	6.85	1.36
03 15 16 00-0038	LF		1/2" x 12" Cork, Premolded Expansion Joint .....	7.28	1.42
03 15 16 00-0039	SF		1/2" Cork, Premolded Expansion Joint .....	8.05	1.80
03 15 16 00-0040	SF		3/4" Cork, Premolded Expansion Joint .....	9.33	1.80
03 15 16 00-0041	SF		1" Cork, Premolded Expansion Joint .....	9.91	1.80
<b>03 15 16 00-0042</b>			<b>Flexible Polyethylene Foam, Premolded Expansion Joints (03 15 16 00-0011)</b>		
03 15 16 00-0043	LF		1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.56	1.15
03 15 16 00-0044	LF		1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.67	1.20
03 15 16 00-0045	LF		1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.82	1.25
03 15 16 00-0046	LF		1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint .....	3.27	1.31
03 15 16 00-0047	LF		1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.63	1.15
03 15 16 00-0048	LF		1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.75	1.20
03 15 16 00-0049	LF		1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.87	1.25
03 15 16 00-0050	LF		1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint .....	3.15	1.31
<b>03 15 16 00-0051</b>			<b>Zip Strip, Premolded Expansion Joints (03 15 16 00-0011)</b>		
03 15 16 00-0052	LF		1" Zip Strip, Premolded Expansion Joint .....	2.59	1.15
03 15 16 00-0053	LF		1-1/2" Zip Strip, Premolded Expansion Joint .....	2.82	1.20
03 15 16 00-0054	LF		2" Zip Strip, Premolded Expansion Joint .....	3.14	1.31
<b>03 15 16 00-0055</b>			<b>Sponge Rubber, Premolded Expansion Joints (03 15 16 00-0011)</b>		
03 15 16 00-0056	LF		1/2" x 4" Sponge Rubber, Premolded Expansion Joint .....	4.19	1.09
03 15 16 00-0057	LF		1/2" x 6" Sponge Rubber, Premolded Expansion Joint .....	5.03	1.09
<b>03 15 16 00-0058</b>			<b>Asphalt Felt Control Joints Or Bond Breaker (03 15 16)</b>		
03 15 16 00-0059	SF		Asphalt Felt Control Joint, 30 LB Felt Bond Breaker .....	1.19	0.82
			>1,250, Deduct	-0.06	
03 15 16 00-0060	SF		Asphalt Felt Control Joint, 15 LB Felt Bond Breaker .....	1.14	0.82
			>1,250, Deduct	-0.06	





<b>Concrete</b>	<b>03</b>	<b>CS</b>	
<b>Concrete Forming and Accessories</b>			<b>03 10</b>
<b>Concrete Accessories</b>			<b>03 15</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>03 15 16 00-0061</b> <b>Keyed Cold Expansion And Control Joints</b> <small>(03 15 16)</small>		
<b>03 15 16 00-0062</b> <b>24 Gauge Galvanized Steel With Stakes</b> <small>(03 15 16 00-0061)</small>		
03 15 16 00-0063    LF    24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint.....	6.12	
03 15 16 00-0064    LF    24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint.....	6.22	
03 15 16 00-0065    LF    24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint.....	6.44	
03 15 16 00-0066    LF    24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint.....	6.81	
03 15 16 00-0067    LF    24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint.....	8.34	
 <b>03 15 19</b> <b>Cast-In Concrete Anchors</b> <small>(03 15)</small>		
<b>03 15 19 00-0001</b> <b>Cast In Place Anchors</b> <small>(03 15 19)</small>		
Note: For cast in place installations. Includes nut and washer.		
<b>03 15 19 00-0002</b> <b>J-Type Anchor Bolts</b> <small>(03 15 19 00-0001)</small>		
See CSI section 03 11 13 00-0002 for template.		
<b>03 15 19 00-0003</b> <b>1/2" And 5/8" Diameter</b> <small>(03 15 19 00-0002)</small>		
03 15 19 00-0004    EA    1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	9.54	
For Galvanized, Add	1.68	
For Stainless Steel, Add	11.73	
For >10 To 50, Deduct	-0.31	
For >50 To 100, Deduct	-0.70	
For >100, Deduct	-1.41	
03 15 19 00-0005    EA    1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	10.94	
For Galvanized, Add	2.14	
For Stainless Steel, Add	14.95	
For >10 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.55	
03 15 19 00-0006    EA    1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	13.11	
For Galvanized, Add	2.95	
For Stainless Steel, Add	20.62	
For >10 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-0.87	
For >100, Deduct	-1.74	
03 15 19 00-0007    EA    5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	14.91	
For Galvanized, Add	3.85	
For Stainless Steel, Add	26.92	
For >10 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-0.91	
For >100, Deduct	-1.83	
03 15 19 00-0008    EA    5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	18.16	
For Galvanized, Add	5.14	
For Stainless Steel, Add	35.95	
For >10 To 50, Deduct	-0.39	
For >50 To 100, Deduct	-1.05	
For >100, Deduct	-2.09	
03 15 19 00-0009    EA    5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	20.40	
For Galvanized, Add	5.87	
For Stainless Steel, Add	41.06	
For >10 To 50, Deduct	-0.43	
For >50 To 100, Deduct	-1.16	
For >100, Deduct	-2.32	
 <b>03 15 19 00-0010</b> <b>3/4" And 7/8" Diameter</b> <small>(03 15 19 00-0002)</small>		
03 15 19 00-0011    EA    3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	20.32	
For Galvanized, Add	5.83	
For Stainless Steel, Add	40.78	
For >10 To 50, Deduct	-0.43	
For >50 To 100, Deduct	-1.16	
For >100, Deduct	-2.32	
03 15 19 00-0012    EA    3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	23.21	
For Galvanized, Add	6.79	
For Stainless Steel, Add	47.53	
For >10 To 50, Deduct	-0.48	
For >50 To 100, Deduct	-1.30	
For >100, Deduct	-2.61	
03 15 19 00-0013    EA    3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	28.23	
For Galvanized, Add	8.70	
For Stainless Steel, Add	60.87	
For >10 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.52	
For >100, Deduct	-3.04	
03 15 19 00-0014    EA    3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	34.06	
For Galvanized, Add	10.96	
For Stainless Steel, Add	76.72	
For >10 To 50, Deduct	-0.61	
For >50 To 100, Deduct	-1.76	
For >100, Deduct	-3.52	

**03 Concrete****03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 15 19 00-0015	EA 7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	26.76	
	For Galvanized, Add	7.96	
	For Stainless Steel, Add	55.72	
	For >10 To 50, Deduct	-0.54	
	For >50 To 100, Deduct	-1.48	
	For >100, Deduct	-2.96	
03 15 19 00-0016	EA 7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	31.46	
	For Galvanized, Add	9.54	
	For Stainless Steel, Add	66.75	
	For >10 To 50, Deduct	-0.62	
	For >50 To 100, Deduct	-1.72	
	For >100, Deduct	-3.43	
03 15 19 00-0017	EA 7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	39.87	
	For Galvanized, Add	12.71	
	For Stainless Steel, Add	88.97	
	For >10 To 50, Deduct	-0.72	
	For >50 To 100, Deduct	-2.08	
	For >100, Deduct	-4.16	
<b>03 15 19 00-0018</b>	<b>1" And 1-1/8" Diameter</b> <small>(03 15 19 00-0002)</small>		
03 15 19 00-0019	EA 1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	32.99	
	For Galvanized, Add	10.30	
	For Stainless Steel, Add	72.10	
	For >10 To 50, Deduct	-0.62	
	For >50 To 100, Deduct	-1.75	
	For >100, Deduct	-3.51	
03 15 19 00-0020	EA 1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	39.24	
	For Galvanized, Add	12.40	
	For Stainless Steel, Add	86.77	
	For >10 To 50, Deduct	-0.72	
	For >50 To 100, Deduct	-2.06	
	For >100, Deduct	-4.13	
03 15 19 00-0021	EA 1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	48.41	
	For Galvanized, Add	15.54	
	For Stainless Steel, Add	108.75	
	For >10 To 50, Deduct	-0.87	
	For >50 To 100, Deduct	-2.51	
	For >100, Deduct	-5.02	
03 15 19 00-0022	EA 1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	59.64	
	For Galvanized, Add	18.99	
	For Stainless Steel, Add	132.90	
	For >10 To 50, Deduct	-1.08	
	For >50 To 100, Deduct	-3.12	
	For >100, Deduct	-6.23	
03 15 19 00-0023	EA 1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	39.35	
	For Galvanized, Add	12.88	
	For Stainless Steel, Add	90.13	
	For >10 To 50, Deduct	-0.68	
	For >50 To 100, Deduct	-2.00	
	For >100, Deduct	-4.01	
03 15 19 00-0024	EA 1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	46.85	
	For Galvanized, Add	15.50	
	For Stainless Steel, Add	108.47	
	For >10 To 50, Deduct	-0.79	
	For >50 To 100, Deduct	-2.36	
	For >100, Deduct	-4.72	
03 15 19 00-0025	EA 1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	57.88	
	For Galvanized, Add	19.43	
	For Stainless Steel, Add	135.98	
	For >10 To 50, Deduct	-0.95	
	For >50 To 100, Deduct	-2.87	
	For >100, Deduct	-5.75	
03 15 19 00-0026	EA 1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	71.26	
	For Galvanized, Add	23.73	
	For Stainless Steel, Add	166.11	
	For >10 To 50, Deduct	-1.19	
	For >50 To 100, Deduct	-3.57	
	For >100, Deduct	-7.13	
<b>03 15 19 00-0027</b>	<b>1-1/4" And 1-1/2" Diameter</b> <small>(03 15 19 00-0002)</small>		
03 15 19 00-0028	EA 1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	47.25	
	For Galvanized, Add	16.10	
	For Stainless Steel, Add	112.67	
	For >10 To 50, Deduct	-0.75	
	For >50 To 100, Deduct	-2.31	
	For >100, Deduct	-4.62	
03 15 19 00-0029	EA 1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	56.30	
	For Galvanized, Add	19.37	
	For Stainless Steel, Add	135.59	
	For >10 To 50, Deduct	-0.88	
	For >50 To 100, Deduct	-2.72	
	For >100, Deduct	-5.45	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0030	EA			1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	69.66	
				<i>For Galvanized, Add</i>	24.29	
				<i>For Stainless Steel, Add</i>	170.00	
				<i>For &gt;10 To 50, Deduct</i>	-1.05	
				<i>For &gt;50 To 100, Deduct</i>	-3.32	
				<i>For &gt;100, Deduct</i>	-6.65	
03 15 19 00-0031	EA			1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	85.67	
				<i>For Galvanized, Add</i>	29.66	
				<i>For Stainless Steel, Add</i>	207.62	
				<i>For &gt;10 To 50, Deduct</i>	-1.32	
				<i>For &gt;50 To 100, Deduct</i>	-4.12	
				<i>For &gt;100, Deduct</i>	-8.24	
03 15 19 00-0032	EA			1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	57.12	
				<i>For Galvanized, Add</i>	20.12	
				<i>For Stainless Steel, Add</i>	140.81	
				<i>For &gt;10 To 50, Deduct</i>	-0.84	
				<i>For &gt;50 To 100, Deduct</i>	-2.69	
				<i>For &gt;100, Deduct</i>	-5.39	
03 15 19 00-0033	EA			1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	68.12	
				<i>For Galvanized, Add</i>	24.21	
				<i>For Stainless Steel, Add</i>	169.47	
				<i>For &gt;10 To 50, Deduct</i>	-0.99	
				<i>For &gt;50 To 100, Deduct</i>	-3.18	
				<i>For &gt;100, Deduct</i>	-6.36	
03 15 19 00-0034	EA			1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	84.37	
				<i>For Galvanized, Add</i>	30.36	
				<i>For Stainless Steel, Add</i>	212.52	
				<i>For &gt;10 To 50, Deduct</i>	-1.18	
				<i>For &gt;50 To 100, Deduct</i>	-3.88	
				<i>For &gt;100, Deduct</i>	-7.77	
03 15 19 00-0035	EA			1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	103.71	
				<i>For Galvanized, Add</i>	37.08	
				<i>For Stainless Steel, Add</i>	259.56	
				<i>For &gt;10 To 50, Deduct</i>	-1.48	
				<i>For &gt;50 To 100, Deduct</i>	-4.81	
				<i>For &gt;100, Deduct</i>	-9.62	
03 15 19 00-0036				<b>L-Type Anchor Bolts</b> <small>(03 15 19 00-0001)</small>		
				See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0037				<b>3/4" And 7/8" Diameter</b> <small>(03 15 19 00-0036)</small>		
03 15 19 00-0038	EA			3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	18.54	
				<i>For Galvanized, Add</i>	4.46	
				<i>For Stainless Steel, Add</i>	31.19	
				<i>For &gt;10 To 50, Deduct</i>	-0.48	
				<i>For &gt;50 To 100, Deduct</i>	-1.19	
				<i>For &gt;100, Deduct</i>	-2.37	
03 15 19 00-0039	EA			3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	21.84	
				<i>For Galvanized, Add</i>	5.50	
				<i>For Stainless Steel, Add</i>	38.50	
				<i>For &gt;10 To 50, Deduct</i>	-0.54	
				<i>For &gt;50 To 100, Deduct</i>	-1.36	
				<i>For &gt;100, Deduct</i>	-2.72	
03 15 19 00-0040	EA			3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	25.00	
				<i>For Galvanized, Add</i>	6.31	
				<i>For Stainless Steel, Add</i>	44.14	
				<i>For &gt;10 To 50, Deduct</i>	-0.62	
				<i>For &gt;50 To 100, Deduct</i>	-1.55	
				<i>For &gt;100, Deduct</i>	-3.11	
03 15 19 00-0041	EA			3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	27.55	
				<i>For Galvanized, Add</i>	6.55	
				<i>For Stainless Steel, Add</i>	45.85	
				<i>For &gt;10 To 50, Deduct</i>	-0.72	
				<i>For &gt;50 To 100, Deduct</i>	-1.77	
				<i>For &gt;100, Deduct</i>	-3.55	
03 15 19 00-0042	EA			3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	31.09	
				<i>For Galvanized, Add</i>	6.88	
				<i>For Stainless Steel, Add</i>	48.13	
				<i>For &gt;10 To 50, Deduct</i>	-0.87	
				<i>For &gt;50 To 100, Deduct</i>	-2.08	
				<i>For &gt;100, Deduct</i>	-4.16	
03 15 19 00-0043	EA			7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	21.88	
				<i>For Galvanized, Add</i>	5.52	
				<i>For Stainless Steel, Add</i>	38.64	
				<i>For &gt;10 To 50, Deduct</i>	-0.54	
				<i>For &gt;50 To 100, Deduct</i>	-1.36	
				<i>For &gt;100, Deduct</i>	-2.72	
03 15 19 00-0044	EA			7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	25.26	
				<i>For Galvanized, Add</i>	6.44	
				<i>For Stainless Steel, Add</i>	45.05	
				<i>For &gt;10 To 50, Deduct</i>	-0.62	
				<i>For &gt;50 To 100, Deduct</i>	-1.56	
				<i>For &gt;100, Deduct</i>	-3.12	

**03 Concrete****03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 15 19 00-0045	EA 7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	29.20	
	For Galvanized, Add	7.38	
	For Stainless Steel, Add	51.63	
	For >10 To 50, Deduct	-0.72	
	For >50 To 100, Deduct	-1.81	
	For >100, Deduct	-3.63	
03 15 19 00-0046	EA 7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	32.66	
	For Galvanized, Add	7.66	
	For Stainless Steel, Add	53.62	
	For >10 To 50, Deduct	-0.87	
	For >50 To 100, Deduct	-2.12	
	For >100, Deduct	-4.23	
03 15 19 00-0047	EA 7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	37.76	
	For Galvanized, Add	8.05	
	For Stainless Steel, Add	56.32	
	For >10 To 50, Deduct	-1.08	
	For >50 To 100, Deduct	-2.57	
	For >100, Deduct	-5.14	
<b>03 15 19 00-0048</b>	<b>1" And 1-1/8" Diameter</b> <small>(03 15 19 00-0036)</small> .....		
03 15 19 00-0049	EA 1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	26.55	
	For Galvanized, Add	7.08	
	For Stainless Steel, Add	49.56	
	For >10 To 50, Deduct	-0.62	
	For >50 To 100, Deduct	-1.59	
	For >100, Deduct	-3.19	
03 15 19 00-0050	EA 1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	30.37	
	For Galvanized, Add	7.96	
	For Stainless Steel, Add	55.72	
	For >10 To 50, Deduct	-0.72	
	For >50 To 100, Deduct	-1.84	
	For >100, Deduct	-3.69	
03 15 19 00-0051	EA 1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	35.15	
	For Galvanized, Add	8.91	
	For Stainless Steel, Add	62.34	
	For >10 To 50, Deduct	-0.87	
	For >50 To 100, Deduct	-2.18	
	For >100, Deduct	-4.36	
03 15 19 00-0052	EA 1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	37.49	
	For Galvanized, Add	9.33	
	For Stainless Steel, Add	65.28	
	For >10 To 50, Deduct	-0.94	
	For >50 To 100, Deduct	-2.35	
	For >100, Deduct	-4.70	
03 15 19 00-0053	EA 1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	41.20	
	For Galvanized, Add	9.77	
	For Stainless Steel, Add	68.36	
	For >10 To 50, Deduct	-1.08	
	For >50 To 100, Deduct	-2.66	
	For >100, Deduct	-5.31	
03 15 19 00-0054	EA 1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	46.71	
	For Galvanized, Add	11.32	
	For Stainless Steel, Add	79.21	
	For >10 To 50, Deduct	-1.20	
	For >50 To 100, Deduct	-2.97	
	For >100, Deduct	-5.95	
03 15 19 00-0055	EA 1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	55.38	
	For Galvanized, Add	13.25	
	For Stainless Steel, Add	92.72	
	For >10 To 50, Deduct	-1.44	
	For >50 To 100, Deduct	-3.55	
	For >100, Deduct	-7.10	
03 15 19 00-0056	EA 1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	33.08	
	For Galvanized, Add	9.32	
	For Stainless Steel, Add	65.21	
	For >10 To 50, Deduct	-0.72	
	For >50 To 100, Deduct	-1.91	
	For >100, Deduct	-3.82	
03 15 19 00-0057	EA 1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	38.19	
	For Galvanized, Add	10.43	
	For Stainless Steel, Add	72.98	
	For >10 To 50, Deduct	-0.87	
	For >50 To 100, Deduct	-2.26	
	For >100, Deduct	-4.51	
03 15 19 00-0058	EA 1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	40.65	
	For Galvanized, Add	10.91	
	For Stainless Steel, Add	76.34	
	For >10 To 50, Deduct	-0.94	
	For >50 To 100, Deduct	-2.43	
	For >100, Deduct	-4.86	
<b>03 15 19 00-0059</b>	<b>1-1/4" And 1-3/8" Diameter</b> <small>(03 15 19 00-0036)</small> .....		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0060	EA			1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	39.87	
				<i>For Galvanized, Add</i>	11.27	
				<i>For Stainless Steel, Add</i>	78.86	
				<i>For &gt;10 To 50, Deduct</i>	-0.87	
				<i>For &gt;50 To 100, Deduct</i>	-2.30	
				<i>For &gt;100, Deduct</i>	-4.59	
03 15 19 00-0061	EA			1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	48.03	
				<i>For Galvanized, Add</i>	13.18	
				<i>For Stainless Steel, Add</i>	92.26	
				<i>For &gt;10 To 50, Deduct</i>	-1.08	
				<i>For &gt;50 To 100, Deduct</i>	-2.83	
				<i>For &gt;100, Deduct</i>	-5.65	
03 15 19 00-0062	EA			1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	52.67	
				<i>For Galvanized, Add</i>	14.93	
				<i>For Stainless Steel, Add</i>	104.51	
				<i>For &gt;10 To 50, Deduct</i>	-1.14	
				<i>For &gt;50 To 100, Deduct</i>	-3.03	
				<i>For &gt;100, Deduct</i>	-6.06	
03 15 19 00-0063	EA			1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	57.80	
				<i>For Galvanized, Add</i>	16.86	
				<i>For Stainless Steel, Add</i>	118.02	
				<i>For &gt;10 To 50, Deduct</i>	-1.20	
				<i>For &gt;50 To 100, Deduct</i>	-3.25	
				<i>For &gt;100, Deduct</i>	-6.50	
03 15 19 00-0064	EA			1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	63.76	
				<i>For Galvanized, Add</i>	18.34	
				<i>For Stainless Steel, Add</i>	128.35	
				<i>For &gt;10 To 50, Deduct</i>	-1.35	
				<i>For &gt;50 To 100, Deduct</i>	-3.63	
				<i>For &gt;100, Deduct</i>	-7.25	
03 15 19 00-0065	EA			1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	70.23	
				<i>For Galvanized, Add</i>	19.64	
				<i>For Stainless Steel, Add</i>	137.45	
				<i>For &gt;10 To 50, Deduct</i>	-1.55	
				<i>For &gt;50 To 100, Deduct</i>	-4.08	
				<i>For &gt;100, Deduct</i>	-8.16	
03 15 19 00-0066	EA			1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	78.15	
				<i>For Galvanized, Add</i>	21.02	
				<i>For Stainless Steel, Add</i>	147.11	
				<i>For &gt;10 To 50, Deduct</i>	-1.81	
				<i>For &gt;50 To 100, Deduct</i>	-4.66	
				<i>For &gt;100, Deduct</i>	-9.33	
03 15 19 00-0067	EA			1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	89.83	
				<i>For Galvanized, Add</i>	23.24	
				<i>For Stainless Steel, Add</i>	162.68	
				<i>For &gt;10 To 50, Deduct</i>	-2.17	
				<i>For &gt;50 To 100, Deduct</i>	-5.50	
				<i>For &gt;100, Deduct</i>	-10.99	
03 15 19 00-0068	EA			1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	45.50	
				<i>For Galvanized, Add</i>	14.08	
				<i>For Stainless Steel, Add</i>	98.56	
				<i>For &gt;10 To 50, Deduct</i>	-0.87	
				<i>For &gt;50 To 100, Deduct</i>	-2.44	
				<i>For &gt;100, Deduct</i>	-4.88	
03 15 19 00-0069	EA			1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	54.63	
				<i>For Galvanized, Add</i>	16.48	
				<i>For Stainless Steel, Add</i>	115.36	
				<i>For &gt;10 To 50, Deduct</i>	-1.08	
				<i>For &gt;50 To 100, Deduct</i>	-2.99	
				<i>For &gt;100, Deduct</i>	-5.98	
03 15 19 00-0070	EA			1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	60.13	
				<i>For Galvanized, Add</i>	18.66	
				<i>For Stainless Steel, Add</i>	130.62	
				<i>For &gt;10 To 50, Deduct</i>	-1.14	
				<i>For &gt;50 To 100, Deduct</i>	-3.21	
				<i>For &gt;100, Deduct</i>	-6.43	
03 15 19 00-0071	EA			1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	66.22	
				<i>For Galvanized, Add</i>	21.07	
				<i>For Stainless Steel, Add</i>	147.49	
				<i>For &gt;10 To 50, Deduct</i>	-1.20	
				<i>For &gt;50 To 100, Deduct</i>	-3.46	
				<i>For &gt;100, Deduct</i>	-6.92	
03 15 19 00-0072	EA			1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	72.94	
				<i>For Galvanized, Add</i>	22.93	
				<i>For Stainless Steel, Add</i>	160.48	
				<i>For &gt;10 To 50, Deduct</i>	-1.35	
				<i>For &gt;50 To 100, Deduct</i>	-3.86	
				<i>For &gt;100, Deduct</i>	-7.71	
03 15 19 00-0073	EA			1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	80.06	
				<i>For Galvanized, Add</i>	24.55	
				<i>For Stainless Steel, Add</i>	171.85	
				<i>For &gt;10 To 50, Deduct</i>	-1.55	
				<i>For &gt;50 To 100, Deduct</i>	-4.32	
				<i>For &gt;100, Deduct</i>	-8.65	

**03 Concrete****03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 15 19 00-0074	EA 1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	89.09	
	<i>For Galvanized, Add</i>	26.49	
	<i>For Stainless Steel, Add</i>	185.40	
	<i>For &gt;10 To 50, Deduct</i>	-1.81	
	<i>For &gt;50 To 100, Deduct</i>	-4.94	
	<i>For &gt;100, Deduct</i>	-9.87	
03 15 19 00-0075	EA 1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	101.46	
	<i>For Galvanized, Add</i>	29.06	
	<i>For Stainless Steel, Add</i>	203.39	
	<i>For &gt;10 To 50, Deduct</i>	-2.17	
	<i>For &gt;50 To 100, Deduct</i>	-5.79	
	<i>For &gt;100, Deduct</i>	-11.58	
<b>03 15 19 00-0076</b>	<b>1-1/2", 1-3/4", And 2" Diameter</b> <small>(03 15 19 00-0036)</small>		
03 15 19 00-0077	EA 1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	58.74	
	<i>For Galvanized, Add</i>	19.52	
	<i>For Stainless Steel, Add</i>	136.64	
	<i>For &gt;10 To 50, Deduct</i>	-0.99	
	<i>For &gt;50 To 100, Deduct</i>	-2.95	
	<i>For &gt;100, Deduct</i>	-5.89	
03 15 19 00-0078	EA 1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	63.75	
	<i>For Galvanized, Add</i>	20.47	
	<i>For Stainless Steel, Add</i>	143.29	
	<i>For &gt;10 To 50, Deduct</i>	-1.14	
	<i>For &gt;50 To 100, Deduct</i>	-3.30	
	<i>For &gt;100, Deduct</i>	-6.61	
03 15 19 00-0079	EA 1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	70.55	
	<i>For Galvanized, Add</i>	22.53	
	<i>For Stainless Steel, Add</i>	157.68	
	<i>For &gt;10 To 50, Deduct</i>	-1.28	
	<i>For &gt;50 To 100, Deduct</i>	-3.68	
	<i>For &gt;100, Deduct</i>	-7.35	
03 15 19 00-0080	EA 1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	76.31	
	<i>For Galvanized, Add</i>	24.61	
	<i>For Stainless Steel, Add</i>	172.27	
	<i>For &gt;10 To 50, Deduct</i>	-1.35	
	<i>For &gt;50 To 100, Deduct</i>	-3.94	
	<i>For &gt;100, Deduct</i>	-7.88	
03 15 19 00-0081	EA 1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	82.28	
	<i>For Galvanized, Add</i>	26.70	
	<i>For Stainless Steel, Add</i>	186.87	
	<i>For &gt;10 To 50, Deduct</i>	-1.44	
	<i>For &gt;50 To 100, Deduct</i>	-4.22	
	<i>For &gt;100, Deduct</i>	-8.45	
03 15 19 00-0082	EA 1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	90.76	
	<i>For Galvanized, Add</i>	28.71	
	<i>For Stainless Steel, Add</i>	200.94	
	<i>For &gt;10 To 50, Deduct</i>	-1.67	
	<i>For &gt;50 To 100, Deduct</i>	-4.77	
	<i>For &gt;100, Deduct</i>	-9.54	
03 15 19 00-0083	EA 1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	101.52	
	<i>For Galvanized, Add</i>	31.06	
	<i>For Stainless Steel, Add</i>	217.39	
	<i>For &gt;10 To 50, Deduct</i>	-1.97	
	<i>For &gt;50 To 100, Deduct</i>	-5.49	
	<i>For &gt;100, Deduct</i>	-10.99	
03 15 19 00-0084	EA 1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	117.04	
	<i>For Galvanized, Add</i>	34.44	
	<i>For Stainless Steel, Add</i>	241.08	
	<i>For &gt;10 To 50, Deduct</i>	-2.41	
	<i>For &gt;50 To 100, Deduct</i>	-6.54	
	<i>For &gt;100, Deduct</i>	-13.08	
03 15 19 00-0085	EA 1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	80.40	
	<i>For Galvanized, Add</i>	29.37	
	<i>For Stainless Steel, Add</i>	205.56	
	<i>For &gt;10 To 50, Deduct</i>	-1.08	
	<i>For &gt;50 To 100, Deduct</i>	-3.64	
	<i>For &gt;100, Deduct</i>	-7.27	
03 15 19 00-0086	EA 1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	84.09	
	<i>For Galvanized, Add</i>	30.01	
	<i>For Stainless Steel, Add</i>	210.04	
	<i>For &gt;10 To 50, Deduct</i>	-1.20	
	<i>For &gt;50 To 100, Deduct</i>	-3.91	
	<i>For &gt;100, Deduct</i>	-7.82	
03 15 19 00-0087	EA 1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	86.48	
	<i>For Galvanized, Add</i>	30.49	
	<i>For Stainless Steel, Add</i>	213.43	
	<i>For &gt;10 To 50, Deduct</i>	-1.28	
	<i>For &gt;50 To 100, Deduct</i>	-4.07	
	<i>For &gt;100, Deduct</i>	-8.15	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0088	EA			1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	97.52	
				<i>For Galvanized, Add</i>	35.22	
				<i>For Stainless Steel, Add</i>	246.51	
				<i>For &gt;10 To 50, Deduct</i>	-1.35	
				<i>For &gt;50 To 100, Deduct</i>	-4.47	
				<i>For &gt;100, Deduct</i>	-8.94	
03 15 19 00-0089	EA			1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	112.26	
				<i>For Galvanized, Add</i>	40.65	
				<i>For Stainless Steel, Add</i>	284.55	
				<i>For &gt;10 To 50, Deduct</i>	-1.55	
				<i>For &gt;50 To 100, Deduct</i>	-5.13	
				<i>For &gt;100, Deduct</i>	-10.26	
03 15 19 00-0090	EA			1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	118.49	
				<i>For Galvanized, Add</i>	41.19	
				<i>For Stainless Steel, Add</i>	288.30	
				<i>For &gt;10 To 50, Deduct</i>	-1.81	
				<i>For &gt;50 To 100, Deduct</i>	-5.67	
				<i>For &gt;100, Deduct</i>	-11.34	
03 15 19 00-0091	EA			1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	132.30	
				<i>For Galvanized, Add</i>	44.48	
				<i>For Stainless Steel, Add</i>	311.33	
				<i>For &gt;10 To 50, Deduct</i>	-2.17	
				<i>For &gt;50 To 100, Deduct</i>	-6.56	
				<i>For &gt;100, Deduct</i>	-13.12	
03 15 19 00-0092	EA			1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	149.98	
				<i>For Galvanized, Add</i>	47.90	
				<i>For Stainless Steel, Add</i>	335.30	
				<i>For &gt;10 To 50, Deduct</i>	-2.71	
				<i>For &gt;50 To 100, Deduct</i>	-7.81	
				<i>For &gt;100, Deduct</i>	-15.63	
03 15 19 00-0093	EA			2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	114.91	
				<i>For Galvanized, Add</i>	44.71	
				<i>For Stainless Steel, Add</i>	312.94	
				<i>For &gt;10 To 50, Deduct</i>	-1.28	
				<i>For &gt;50 To 100, Deduct</i>	-4.79	
				<i>For &gt;100, Deduct</i>	-9.57	
03 15 19 00-0094	EA			2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	125.55	
				<i>For Galvanized, Add</i>	48.33	
				<i>For Stainless Steel, Add</i>	338.31	
				<i>For &gt;10 To 50, Deduct</i>	-1.44	
				<i>For &gt;50 To 100, Deduct</i>	-5.31	
				<i>For &gt;100, Deduct</i>	-10.61	
03 15 19 00-0095	EA			2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	138.71	
				<i>For Galvanized, Add</i>	52.68	
				<i>For Stainless Steel, Add</i>	368.76	
				<i>For &gt;10 To 50, Deduct</i>	-1.67	
				<i>For &gt;50 To 100, Deduct</i>	-5.97	
				<i>For &gt;100, Deduct</i>	-11.94	
03 15 19 00-0096	EA			2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	150.99	
				<i>For Galvanized, Add</i>	55.79	
				<i>For Stainless Steel, Add</i>	390.53	
				<i>For &gt;10 To 50, Deduct</i>	-1.97	
				<i>For &gt;50 To 100, Deduct</i>	-6.73	
				<i>For &gt;100, Deduct</i>	-13.46	
03 15 19 00-0097	EA			2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	163.25	
				<i>For Galvanized, Add</i>	59.95	
				<i>For Stainless Steel, Add</i>	419.65	
				<i>For &gt;10 To 50, Deduct</i>	-2.17	
				<i>For &gt;50 To 100, Deduct</i>	-7.33	
				<i>For &gt;100, Deduct</i>	-14.67	
03 15 19 00-0098	EA			2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	176.19	
				<i>For Galvanized, Add</i>	64.02	
				<i>For Stainless Steel, Add</i>	448.11	
				<i>For &gt;10 To 50, Deduct</i>	-2.41	
				<i>For &gt;50 To 100, Deduct</i>	-8.02	
				<i>For &gt;100, Deduct</i>	-16.03	
03 15 19 00-0099	EA			2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	199.43	
				<i>For Galvanized, Add</i>	68.75	
				<i>For Stainless Steel, Add</i>	481.25	
				<i>For &gt;10 To 50, Deduct</i>	-3.10	
				<i>For &gt;50 To 100, Deduct</i>	-9.63	
				<i>For &gt;100, Deduct</i>	-19.26	
03 15 19 00-0100	EA			2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	213.09	
				<i>For Galvanized, Add</i>	75.58	
				<i>For Stainless Steel, Add</i>	529.06	
				<i>For &gt;10 To 50, Deduct</i>	-3.10	
				<i>For &gt;50 To 100, Deduct</i>	-9.97	
				<i>For &gt;100, Deduct</i>	-19.94	
03 15 19 00-0101	EA			2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	240.27	
				<i>For Galvanized, Add</i>	84.02	
				<i>For Stainless Steel, Add</i>	588.11	
				<i>For &gt;10 To 50, Deduct</i>	-3.61	
				<i>For &gt;50 To 100, Deduct</i>	-11.42	
				<i>For &gt;100, Deduct</i>	-22.85	

03 15 19 00-0102 2-1/2" And 2-3/4" Diameter (03 15 19 00-0096)

**03 Concrete****03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 15 19 00-0103	EA 2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	224.14	
	For Galvanized, Add	99.32	
	For Stainless Steel, Add	695.24	
	For >10 To 50, Deduct	-1.28	
	For >50 To 100, Deduct	-7.52	
	For >100, Deduct	-15.03	
03 15 19 00-0104	EA 2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	236.52	
	For Galvanized, Add	103.82	
	For Stainless Steel, Add	726.71	
	For >10 To 50, Deduct	-1.44	
	For >50 To 100, Deduct	-8.08	
	For >100, Deduct	-16.16	
03 15 19 00-0105	EA 2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	258.52	
	For Galvanized, Add	112.59	
	For Stainless Steel, Add	788.10	
	For >10 To 50, Deduct	-1.67	
	For >50 To 100, Deduct	-8.96	
	For >100, Deduct	-17.93	
03 15 19 00-0106	EA 2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	276.71	
	For Galvanized, Add	118.65	
	For Stainless Steel, Add	830.55	
	For >10 To 50, Deduct	-1.97	
	For >50 To 100, Deduct	-9.87	
	For >100, Deduct	-19.75	
03 15 19 00-0107	EA 2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	293.37	
	For Galvanized, Add	125.01	
	For Stainless Steel, Add	875.07	
	For >10 To 50, Deduct	-2.17	
	For >50 To 100, Deduct	-10.59	
	For >100, Deduct	-21.17	
03 15 19 00-0108	EA 2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	312.43	
	For Galvanized, Add	132.14	
	For Stainless Steel, Add	924.95	
	For >10 To 50, Deduct	-2.41	
	For >50 To 100, Deduct	-11.42	
	For >100, Deduct	-22.85	
03 15 19 00-0109	EA 2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	340.79	
	For Galvanized, Add	139.43	
	For Stainless Steel, Add	976.01	
	For >10 To 50, Deduct	-3.10	
	For >50 To 100, Deduct	-13.16	
	For >100, Deduct	-26.33	
03 15 19 00-0110	EA 2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	251.97	
	For Galvanized, Add	112.44	
	For Stainless Steel, Add	787.08	
	For >10 To 50, Deduct	-1.35	
	For >50 To 100, Deduct	-8.33	
	For >100, Deduct	-16.66	
03 15 19 00-0111	EA 2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	271.51	
	For Galvanized, Add	120.28	
	For Stainless Steel, Add	841.93	
	For >10 To 50, Deduct	-1.55	
	For >50 To 100, Deduct	-9.11	
	For >100, Deduct	-18.22	
03 15 19 00-0112	EA 2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	292.49	
	For Galvanized, Add	128.19	
	For Stainless Steel, Add	897.30	
	For >10 To 50, Deduct	-1.81	
	For >50 To 100, Deduct	-10.02	
	For >100, Deduct	-20.04	
03 15 19 00-0113	EA 2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	313.97	
	For Galvanized, Add	135.31	
	For Stainless Steel, Add	947.17	
	For >10 To 50, Deduct	-2.17	
	For >50 To 100, Deduct	-11.10	
	For >100, Deduct	-22.20	
03 15 19 00-0114	EA 2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	334.35	
	For Galvanized, Add	143.10	
	For Stainless Steel, Add	1,001.67	
	For >10 To 50, Deduct	-2.41	
	For >50 To 100, Deduct	-11.97	
	For >100, Deduct	-23.94	
03 15 19 00-0115	EA 2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	362.48	
	For Galvanized, Add	154.15	
	For Stainless Steel, Add	1,079.05	
	For >10 To 50, Deduct	-2.71	
	For >50 To 100, Deduct	-13.13	
	For >100, Deduct	-26.25	
03 15 19 00-0116	EA 2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	397.49	
	For Galvanized, Add	162.63	
	For Stainless Steel, Add	1,138.38	
	For >10 To 50, Deduct	-3.61	
	For >50 To 100, Deduct	-15.36	
	For >100, Deduct	-30.71	





	<b>Concrete</b>	<b>03</b>
	Concrete Reinforcing	03 20
	Concrete Accessories	03 15

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

### 03 20 Concrete Reinforcing<sup>(03)</sup>

Note: Includes cutting or torching to size, bending where necessary and tie wires.

#### 03 21 Reinforcement Bars<sup>(03 20)</sup>

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 - 0.167 Lbs./LF, #3 - 0.376 Lbs./LF, #4 - 0.668 Lbs./LF, #5 - 1.043 Lbs./LF, #6 - 1.502 Lbs./LF, #7 - 2.044 Lbs./LF, #8 - 2.670 Lbs./LF, #9 - 3.400 Lbs./LF, #10 - 4.303 Lbs./LF, #11 - 5.313 Lbs./LF, #14 - 7.650 Lbs./LF, #18 - 13.600 Lbs./LF.

#### 03 21 11 Plain Steel Reinforcement Bars<sup>(03 21)</sup>

##### 03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar<sup>(03 21 11)</sup>

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	0.64
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	1.07
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	1.61
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	2.22
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	0.66
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	1.10
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	1.64
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	2.27
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	0.68
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	1.13
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	1.70
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	2.35
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	3.03
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	3.77
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	4.61
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	5.63
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	6.69
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	9.26
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	15.77
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	2.42
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	3.13
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	3.90
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	4.79
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	5.85
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	6.96
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	9.64
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	16.46
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	0.69
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	1.16
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	1.74
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	2.40
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	3.11
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	3.87
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	4.74
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	5.80
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	6.89
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	9.55
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	16.29

##### 03 21 11 00-0040 Columns, Steel Reinforcement Bar<sup>(03 21 11)</sup>

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar.....	0.66
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar.....	1.14
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar.....	1.70
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar.....	2.33
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar.....	0.68
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar.....	1.17
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar.....	1.73
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar.....	2.38
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar.....	0.70
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar.....	1.20
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar.....	1.79
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar.....	2.46
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar.....	3.18
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar.....	3.94
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar.....	4.81
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar.....	5.86
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar.....	6.94
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar.....	9.60
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar.....	16.31
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar.....	2.53
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar.....	3.28
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar.....	4.07
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar.....	4.99
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar.....	6.08
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar.....	7.21
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar.....	9.98
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar.....	17.00



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	0.71
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	1.23
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	1.83
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	2.51
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	3.26
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	4.04
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	4.94
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	6.03
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	7.14
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	9.89
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	16.83

### 03 21 11 00-0079 Footings, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar.....	0.58
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar.....	0.98
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar.....	1.48
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar.....	2.04
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar.....	0.60
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar.....	1.01
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar.....	1.51
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar.....	2.09
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar.....	0.62
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar.....	1.04
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar.....	1.57
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar.....	2.17
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar.....	2.81
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar.....	3.51
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar.....	4.31
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar.....	5.28
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar.....	6.29
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar.....	8.74
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar.....	14.95
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar.....	2.24
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar.....	2.91
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar.....	3.64
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar.....	4.49
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar.....	5.50
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar.....	6.56
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar.....	9.12
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar.....	15.64
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	0.63
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	1.07
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	1.61
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	2.22
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	2.89
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	3.61
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	4.44
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	5.45
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	6.49
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	9.03
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	15.47

### 03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar.....	0.56
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar.....	0.95
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar.....	1.43
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar.....	1.97
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar.....	0.58
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar.....	0.98
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar.....	1.46
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar.....	2.02
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	0.60
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	1.01
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	1.52
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	2.10
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	2.75
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	3.42
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	4.21
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	5.16
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	6.16
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	8.57
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	14.69
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar.....	2.17
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar.....	2.85
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar.....	3.55
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar.....	4.39
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar.....	5.38



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	.....	6.43	
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	.....	8.95	
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	.....	15.38	
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	0.61	
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	1.04	
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	1.56	
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	2.15	
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	2.83	
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	3.52	
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	4.34	
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	5.33	
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	6.36	
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	8.86	
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	15.21	

**03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar (03 21 11)**

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	.....	0.52	
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	.....	0.88	
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	.....	1.34	
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	.....	1.85	
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	.....	0.54	
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	.....	0.91	
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	.....	1.37	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	.....	1.90	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	0.56	
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	0.94	
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	1.43	
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	1.98	
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	2.60	
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	3.25	
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	4.01	
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	4.93	
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	5.90	
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	8.23	
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	14.15	
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	2.05	
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	2.70	
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	3.38	
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	4.19	
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	5.15	
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	6.17	
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	8.61	
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	14.84	
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	0.57	
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	0.97	
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	1.47	
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	2.03	
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	2.68	
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	3.35	
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	4.14	
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	5.10	
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	6.10	
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	8.52	
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	.....	14.67	

**03 21 11 00-0196 Walls, Steel Reinforcement Bar (03 21 11)**

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar	.....	0.50	
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar	.....	0.85	
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar	.....	1.29	
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar	.....	1.79	
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar	.....	0.52	
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar	.....	0.88	
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar	.....	1.32	
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar	.....	1.84	
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar	.....	0.54	
03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar	.....	0.91	
03 21 11 00-0207	LF	#5, Grade 60, Walls, Steel Reinforcement Bar	.....	1.38	
03 21 11 00-0208	LF	#6, Grade 60, Walls, Steel Reinforcement Bar	.....	1.92	
03 21 11 00-0209	LF	#7, Grade 60, Walls, Steel Reinforcement Bar	.....	2.51	
03 21 11 00-0210	LF	#8, Grade 60, Walls, Steel Reinforcement Bar	.....	3.17	
03 21 11 00-0211	LF	#9, Grade 60, Walls, Steel Reinforcement Bar	.....	3.91	
03 21 11 00-0212	LF	#10, Grade 60, Walls, Steel Reinforcement Bar	.....	4.81	
03 21 11 00-0213	LF	#11, Grade 60, Walls, Steel Reinforcement Bar	.....	5.77	
03 21 11 00-0214	LF	#14, Grade 60, Walls, Steel Reinforcement Bar	.....	8.06	
03 21 11 00-0215	LF	#18, Grade 60, Walls, Steel Reinforcement Bar	.....	13.89	
03 21 11 00-0216	LF	#6, Grade 75, Walls, Steel Reinforcement Bar	.....	1.99	
03 21 11 00-0217	LF	#7, Grade 75, Walls, Steel Reinforcement Bar	.....	2.61	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 21 11 00-0218	LF	#8, Grade 75, Walls, Steel Reinforcement Bar .....	3.30
03 21 11 00-0219	LF	#9, Grade 75, Walls, Steel Reinforcement Bar .....	4.09
03 21 11 00-0220	LF	#10, Grade 75, Walls, Steel Reinforcement Bar .....	5.03
03 21 11 00-0221	LF	#11, Grade 75, Walls, Steel Reinforcement Bar .....	6.04
03 21 11 00-0222	LF	#14, Grade 75, Walls, Steel Reinforcement Bar .....	8.44
03 21 11 00-0223	LF	#18, Grade 75, Walls, Steel Reinforcement Bar .....	14.58
03 21 11 00-0224	LF	#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	0.55
03 21 11 00-0225	LF	#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	0.94
03 21 11 00-0226	LF	#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	1.42
03 21 11 00-0227	LF	#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	1.97
03 21 11 00-0228	LF	#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	2.59
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	3.27
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	4.04
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	4.98
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	5.97
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	8.35
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	14.41
<b>03 21 11 00-0235</b>		<b>Mechanical Joint Connection (03 21 11)</b>	
<b>03 21 11 00-0236</b>		<b>Thermal Type Mechanical Joint Connection (03 21 11 00-0235)</b>	
03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice .....	211.10
<b>03 21 11 00-0238</b>		<b>Screwed Type Mechanical Joint Connection (03 21 11 00-0235)</b>	
03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice.....	115.64
<b>03 21 11 00-0240</b>		<b>Deformed Straight Dowels (03 21 11)</b>	
		Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.	
03 21 11 00-0241	EA	3/8" Diameter x 24" Long, Deformed Straight Dowel .....	2.80
		For Up To 12" Length, Deduct	-0.36
		For >12" To <24" Length, Deduct	-0.18
03 21 11 00-0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel .....	3.36
		For Up To 12" Length, Deduct	-0.47
		For >12" To <24" Length, Deduct	-0.24
03 21 11 00-0243	EA	5/8" Diameter x 24" Long, Deformed Straight Dowel .....	4.16
		For Up To 12" Length, Deduct	-0.74
		For >12" To <24" Length, Deduct	-0.37
03 21 11 00-0244	EA	3/4" Diameter x 24" Long, Deformed Straight Dowel .....	5.10
		For Up To 12" Length, Deduct	-1.07
		For >12" To <24" Length, Deduct	-0.54
03 21 11 00-0245	EA	7/8" Diameter x 24" Long, Deformed Straight Dowel .....	6.09
		For Up To 12" Length, Deduct	-1.49
		For >12" To <24" Length, Deduct	-0.75
03 21 11 00-0246	EA	1" Diameter x 24" Long, Deformed Straight Dowel .....	7.70
		For Up To 12" Length, Deduct	-1.92
		For >12" To <24" Length, Deduct	-0.96
03 21 11 00-0247	EA	1-1/8" Diameter x 24" Long, Deformed Straight Dowel .....	9.09
		For Up To 12" Length, Deduct	-2.36
		For >12" To <24" Length, Deduct	-1.18
03 21 11 00-0248	EA	1-1/4" Diameter x 24" Long, Deformed Straight Dowel .....	11.20
		For Up To 12" Length, Deduct	-3.09
		For >12" To <24" Length, Deduct	-1.54
03 21 11 00-0249	EA	1-3/8" Diameter x 24" Long, Deformed Straight Dowel .....	13.34
		For Up To 12" Length, Deduct	-3.81
		For >12" To <24" Length, Deduct	-1.91
<b>03 21 11 00-0250</b>		<b>Spirals, Reinforcing Steel (03 21 11)</b>	
03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel .....	3,502.89
		For Grade 75, Add	140.68
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,463.83
		For Grade 75, Add	140.68
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,434.05
		For Grade 75, Add	140.68
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,385.33
		For Grade 75, Add	140.68
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,319.46
		For Grade 75, Add	140.68
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,300.44
		For Grade 75, Add	144.14
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,245.29
		For Grade 75, Add	144.14
<b>03 21 11 00-0258</b>		<b>Accessories For Reinforcing Steel (03 21 11)</b>	
<b>03 21 11 00-0259</b>		<b>Reinforcing Steel Lap-Weld Splice (03 21 11 00-0258)</b>	
03 21 11 00-0260	EA	Up To #6 Reinforcing Steel Lap-Weld Splice .....	56.40
03 21 11 00-0261	EA	>#6 Reinforcing Steel Lap-Weld Splice.....	89.53



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>03 21 11 00-0262</b>	<b>Reinforcing Steel Sleeve And Wedge Splice Joint</b> <small>(0321 11 00-0258)</small>		
03 21 11 00-0263	EA Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	30.74	
03 21 11 00-0264	EA #5 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	46.28	
03 21 11 00-0265	EA #6 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	68.33	

**03 21 13 Galvanized Reinforcement Steel Bars** (0321)

<b>03 21 13 00-0001</b>	<b>Beams And Girders, Galvanized Steel Reinforcement Bar</b> <small>(03 21 13)</small>		
<small>Note: ASTM A-767 Hot Dipped Galvanized Steel.</small>			
03 21 13 00-0002	LF #3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar.....	0.78	
03 21 13 00-0003	LF #4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar.....	1.30	
03 21 13 00-0004	LF #5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar.....	1.97	
03 21 13 00-0005	LF #6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.74	
03 21 13 00-0006	LF #3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar.....	0.79	
03 21 13 00-0007	LF #4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar.....	1.33	
03 21 13 00-0008	LF #5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.00	
03 21 13 00-0009	LF #6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.79	
03 21 13 00-0010	LF #3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	0.81	
03 21 13 00-0011	LF #4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	1.36	
03 21 13 00-0012	LF #5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.06	
03 21 13 00-0013	LF #6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.87	
03 21 13 00-0014	LF #7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	3.74	
03 21 13 00-0015	LF #8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	4.69	
03 21 13 00-0016	LF #9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	5.79	
03 21 13 00-0017	LF #10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	7.13	
03 21 13 00-0018	LF #11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	8.54	
03 21 13 00-0019	LF #14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	11.91	
03 21 13 00-0020	LF #18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	20.49	
03 21 13 00-0021	LF #6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.94	
03 21 13 00-0022	LF #7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	3.84	
03 21 13 00-0023	LF #8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	4.83	
03 21 13 00-0024	LF #9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	5.97	
03 21 13 00-0025	LF #10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	7.34	
03 21 13 00-0026	LF #11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	8.81	
03 21 13 00-0027	LF #14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	12.30	
03 21 13 00-0028	LF #18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	21.18	

**03 21 13 00-0029 Columns, Galvanized Steel Reinforcement Bar** (03 21 13)

<small>Note: ASTM A-767 Hot Dipped Galvanized Steel.</small>			
03 21 13 00-0030	LF #3, Grade 40, Columns, Galvanized Steel Reinforcement Bar.....	0.80	
03 21 13 00-0031	LF #4, Grade 40, Columns, Galvanized Steel Reinforcement Bar.....	1.37	
03 21 13 00-0032	LF #5, Grade 40, Columns, Galvanized Steel Reinforcement Bar.....	2.06	
03 21 13 00-0033	LF #6, Grade 40, Columns, Galvanized Steel Reinforcement Bar.....	2.85	
03 21 13 00-0034	LF #3, Grade 50, Columns, Galvanized Steel Reinforcement Bar.....	0.81	
03 21 13 00-0035	LF #4, Grade 50, Columns, Galvanized Steel Reinforcement Bar.....	1.40	
03 21 13 00-0036	LF #5, Grade 50, Columns, Galvanized Steel Reinforcement Bar.....	2.09	
03 21 13 00-0037	LF #6, Grade 50, Columns, Galvanized Steel Reinforcement Bar.....	2.90	
03 21 13 00-0038	LF #3, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	0.83	
03 21 13 00-0039	LF #4, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	1.43	
03 21 13 00-0040	LF #5, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	2.15	
03 21 13 00-0041	LF #6, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	2.98	
03 21 13 00-0042	LF #7, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	3.89	
03 21 13 00-0043	LF #8, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	4.86	
03 21 13 00-0044	LF #9, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	5.99	
03 21 13 00-0045	LF #10, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	7.36	
03 21 13 00-0046	LF #11, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	8.79	
03 21 13 00-0047	LF #14, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	12.25	
03 21 13 00-0048	LF #18, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	21.03	
03 21 13 00-0049	LF #6, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	3.05	
03 21 13 00-0050	LF #7, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	3.99	
03 21 13 00-0051	LF #8, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	5.00	
03 21 13 00-0052	LF #9, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	6.17	
03 21 13 00-0053	LF #10, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	7.57	
03 21 13 00-0054	LF #11, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	9.06	
03 21 13 00-0055	LF #14, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	12.64	
03 21 13 00-0056	LF #18, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	21.72	

**03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar** (03 21 13)

<small>Note: ASTM A-767 Hot Dipped Galvanized Steel.</small>			
03 21 13 00-0058	LF #3, Grade 40, Footings, Galvanized Steel Reinforcement Bar.....	0.72	
03 21 13 00-0059	LF #4, Grade 40, Footings, Galvanized Steel Reinforcement Bar.....	1.21	
03 21 13 00-0060	LF #5, Grade 40, Footings, Galvanized Steel Reinforcement Bar.....	1.84	
03 21 13 00-0061	LF #6, Grade 40, Footings, Galvanized Steel Reinforcement Bar.....	2.56	
03 21 13 00-0062	LF #3, Grade 50, Footings, Galvanized Steel Reinforcement Bar.....	0.73	
03 21 13 00-0063	LF #4, Grade 50, Footings, Galvanized Steel Reinforcement Bar.....	1.24	
03 21 13 00-0064	LF #5, Grade 50, Footings, Galvanized Steel Reinforcement Bar.....	1.87	



MINOR  
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TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.61
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.75
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.27
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.93
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.69
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.52
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.43
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	5.49
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	6.78
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	8.14
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	11.39
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	19.67
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.76
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.62
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.57
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.67
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	6.99
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	8.41
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	11.78
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	20.36

### 03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.70
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.18
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.79
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	2.49
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.71
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.21
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.82
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.54
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.73
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.24
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.88
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.62
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.46
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.34
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.39
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	6.66
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	8.01
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	11.22
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	19.41
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.69
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.56
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.48
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.57
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	6.87
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	8.28
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	11.61
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	20.10

### 03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.66
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.11
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.70
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.37
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.67
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.14
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.73
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.42
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.69
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.17
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.79
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.50
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.31
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.17
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.19
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.43
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.75
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	10.88
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	18.87
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.57
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.41
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.31
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.37
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.64
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.02
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	11.27



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 13 00-0140 LF #18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar ..... 19.56

**03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar** (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0142	LF #3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.64	
03 21 13 00-0143	LF #4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.08	
03 21 13 00-0144	LF #5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.65	
03 21 13 00-0145	LF #6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	2.31	
03 21 13 00-0146	LF #3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.65	
03 21 13 00-0147	LF #4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.11	
03 21 13 00-0148	LF #5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.68	
03 21 13 00-0149	LF #6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	2.36	
03 21 13 00-0150	LF #3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.67	
03 21 13 00-0151	LF #4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.14	
03 21 13 00-0152	LF #5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.74	
03 21 13 00-0153	LF #6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.44	
03 21 13 00-0154	LF #7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.22	
03 21 13 00-0155	LF #8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.09	
03 21 13 00-0156	LF #9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.09	
03 21 13 00-0157	LF #10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	6.31	
03 21 13 00-0158	LF #11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	7.62	
03 21 13 00-0159	LF #14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	10.71	
03 21 13 00-0160	LF #18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	18.61	
03 21 13 00-0161	LF #6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.51	
03 21 13 00-0162	LF #7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.32	
03 21 13 00-0163	LF #8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.23	
03 21 13 00-0164	LF #9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.27	
03 21 13 00-0165	LF #10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	6.52	
03 21 13 00-0166	LF #11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	7.89	
03 21 13 00-0167	LF #14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	11.10	
03 21 13 00-0168	LF #18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	19.30	

**03 21 16 Epoxy-Coated Reinforcement Steel Bars** (03 21)

**03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar** (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002	LF #3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.76	
03 21 16 00-0003	LF #4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.28	
03 21 16 00-0004	LF #5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.93	
03 21 16 00-0005	LF #6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.68	
03 21 16 00-0006	LF #3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.77	
03 21 16 00-0007	LF #4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.30	
03 21 16 00-0008	LF #5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.96	
03 21 16 00-0009	LF #6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.73	
03 21 16 00-0010	LF #3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.79	
03 21 16 00-0011	LF #4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.34	
03 21 16 00-0012	LF #5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.02	
03 21 16 00-0013	LF #6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.81	
03 21 16 00-0014	LF #7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.66	
03 21 16 00-0015	LF #8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.59	
03 21 16 00-0016	LF #9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.66	
03 21 16 00-0017	LF #10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.96	
03 21 16 00-0018	LF #11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.34	
03 21 16 00-0019	LF #14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	11.62	
03 21 16 00-0020	LF #18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	19.98	
03 21 16 00-0021	LF #6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.89	
03 21 16 00-0022	LF #7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.76	
03 21 16 00-0023	LF #8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.73	
03 21 16 00-0024	LF #9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.84	
03 21 16 00-0025	LF #10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	7.18	
03 21 16 00-0026	LF #11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.60	
03 21 16 00-0027	LF #14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	12.01	
03 21 16 00-0028	LF #18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	20.67	

**03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar** (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0030	LF #3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	0.78	
03 21 16 00-0031	LF #4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.35	
03 21 16 00-0032	LF #5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.02	
03 21 16 00-0033	LF #6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.79	
03 21 16 00-0034	LF #3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	0.79	
03 21 16 00-0035	LF #4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.37	
03 21 16 00-0036	LF #5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.05	
03 21 16 00-0037	LF #6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.84	
03 21 16 00-0038	LF #3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	0.81	
03 21 16 00-0039	LF #4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.41	
03 21 16 00-0040	LF #5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.11	
03 21 16 00-0041	LF #6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.92	
03 21 16 00-0042	LF #7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.81	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	4.76
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	5.86
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	7.19
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	8.59
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	11.96
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	20.52
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	3.00
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	3.91
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	4.90
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	6.04
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	7.41
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	8.85
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	12.35
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	21.21

### 03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar .....	0.70
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.19
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.80
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar .....	2.50
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar .....	0.71
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.21
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.83
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar .....	2.55
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	0.73
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.25
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.89
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	2.63
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	3.44
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	4.33
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	5.36
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	6.61
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	7.94
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	11.10
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	19.16
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar .....	2.71
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar .....	3.54
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar .....	4.47
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar .....	5.54
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar .....	6.83
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar .....	8.20
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar .....	11.49
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar .....	19.85

### 03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	0.68
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	1.16
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	1.75
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	2.43
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	0.69
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	1.18
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	1.78
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	2.48
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	0.71
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	1.22
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	1.84
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	2.56
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	3.38
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	4.24
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	5.26
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	6.49
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	7.81
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	10.93
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	18.90
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	2.64
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	3.48
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	4.38
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	5.44
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	6.71
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	8.07
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	11.32
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	19.59

### 03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar .....	0.64
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0115 LF #4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.09	
03 21 16 00-0116 LF #5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.66	
03 21 16 00-0117 LF #6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.31	
03 21 16 00-0118 LF #3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.65	
03 21 16 00-0119 LF #4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.11	
03 21 16 00-0120 LF #5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.69	
03 21 16 00-0121 LF #6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.36	
03 21 16 00-0122 LF #3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.67	
03 21 16 00-0123 LF #4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.15	
03 21 16 00-0124 LF #5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.75	
03 21 16 00-0125 LF #6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.44	
03 21 16 00-0126 LF #7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.23	
03 21 16 00-0127 LF #8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.07	
03 21 16 00-0128 LF #9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.06	
03 21 16 00-0129 LF #10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	6.26	
03 21 16 00-0130 LF #11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.55	
03 21 16 00-0131 LF #14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	10.59	
03 21 16 00-0132 LF #18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	18.36	
03 21 16 00-0133 LF #6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.52	
03 21 16 00-0134 LF #7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.33	
03 21 16 00-0135 LF #8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.21	
03 21 16 00-0136 LF #9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.24	
03 21 16 00-0137 LF #10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	6.48	
03 21 16 00-0138 LF #11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.81	
03 21 16 00-0139 LF #14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	10.98	
03 21 16 00-0140 LF #18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	19.05	

**03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar (03 21 16)**

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142 LF #3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.62	
03 21 16 00-0143 LF #4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.06	
03 21 16 00-0144 LF #5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.61	
03 21 16 00-0145 LF #6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.25	
03 21 16 00-0146 LF #3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.63	
03 21 16 00-0147 LF #4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.08	
03 21 16 00-0148 LF #5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.64	
03 21 16 00-0149 LF #6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.30	
03 21 16 00-0150 LF #3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.65	
03 21 16 00-0151 LF #4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.12	
03 21 16 00-0152 LF #5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.70	
03 21 16 00-0153 LF #6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.38	
03 21 16 00-0154 LF #7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.14	
03 21 16 00-0155 LF #8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.99	
03 21 16 00-0156 LF #9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.96	
03 21 16 00-0157 LF #10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	6.14	
03 21 16 00-0158 LF #11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.42	
03 21 16 00-0159 LF #14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	10.42	
03 21 16 00-0160 LF #18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	18.10	
03 21 16 00-0161 LF #6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.46	
03 21 16 00-0162 LF #7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.24	
03 21 16 00-0163 LF #8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.13	
03 21 16 00-0164 LF #9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.14	
03 21 16 00-0165 LF #10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	6.36	
03 21 16 00-0166 LF #11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.68	
03 21 16 00-0167 LF #14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	10.81	
03 21 16 00-0168 LF #18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	18.79	

**03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels (03 21 16)**

Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.

03 21 16 00-0170 EA 3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	4.62	
For Up To 12" Length, Deduct	-0.50	
For >12" To <24" Length, Deduct	-0.25	
03 21 16 00-0171 EA 1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	5.49	
For Up To 12" Length, Deduct	-0.76	
For >12" To <24" Length, Deduct	-0.38	
03 21 16 00-0172 EA 5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	6.85	
For Up To 12" Length, Deduct	-1.13	
For >12" To <24" Length, Deduct	-0.56	
03 21 16 00-0173 EA 3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	8.54	
For Up To 12" Length, Deduct	-1.50	
For >12" To <24" Length, Deduct	-0.75	
03 21 16 00-0174 EA 7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	10.34	
For Up To 12" Length, Deduct	-2.04	
For >12" To <24" Length, Deduct	-1.02	
03 21 16 00-0175 EA 1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	12.06	
For Up To 12" Length, Deduct	-2.52	
For >12" To <24" Length, Deduct	-1.26	
03 21 16 00-0176 EA 1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	14.26	
For Up To 12" Length, Deduct	-3.04	
For >12" To <24" Length, Deduct	-1.52	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	17.18
		<i>For Up To 12" Length, Deduct</i>	-3.69
		<i>For &gt;12" To &lt;24" Length, Deduct</i>	-1.84

### 03 22 Fabric and Grid Reinforcing (03 20)

#### 03 22 11 Plain Steel Welded Wire Fabric Reinforcing (03 22)

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

#### 03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 11)

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.80
		<i>For &gt;5 Ton, Deduct</i>	-0.12
03 22 11 00-0003	SF	6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	0.93
		<i>For &gt;5 Ton, Deduct</i>	-0.14
03 22 11 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.05
		<i>For &gt;5 Ton, Deduct</i>	-0.15
03 22 11 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.25
		<i>For &gt;5 Ton, Deduct</i>	-0.18
03 22 11 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.97
		<i>For &gt;5 Ton, Deduct</i>	-0.14
03 22 11 00-0007	SF	4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.10
		<i>For &gt;5 Ton, Deduct</i>	-0.16
03 22 11 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.39
		<i>For &gt;5 Ton, Deduct</i>	-0.19
03 22 11 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.63
		<i>For &gt;5 Ton, Deduct</i>	-0.22
03 22 11 00-0010	SF	2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9).....	1.53
		<i>For &gt;5 Ton, Deduct</i>	-0.20

#### 03 22 13 Galvanized Welded Wire Fabric Reinforcing (03 22)

#### 03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 13)

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.90
		<i>For &gt;5 Ton, Deduct</i>	-0.13
03 22 13 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.04
		<i>For &gt;5 Ton, Deduct</i>	-0.15
03 22 13 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.20
		<i>For &gt;5 Ton, Deduct</i>	-0.17
03 22 13 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.46
		<i>For &gt;5 Ton, Deduct</i>	-0.20
03 22 13 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.11
		<i>For &gt;5 Ton, Deduct</i>	-0.16
03 22 13 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.26
		<i>For &gt;5 Ton, Deduct</i>	-0.17
03 22 13 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.66
		<i>For &gt;5 Ton, Deduct</i>	-0.22
03 22 13 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.97
		<i>For &gt;5 Ton, Deduct</i>	-0.25

#### 03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns (03 22 13)

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF	2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5).....	3.13
		<i>For &gt;5 Ton, Deduct</i>	-0.48

#### 03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing (03 22)

#### 03 22 16 00-0001 Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 16)

Note: Includes bar chairs. Under 5 tons.

03 22 16 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.89
		<i>For &gt;5 Ton, Deduct</i>	-0.13
03 22 16 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.03
		<i>For &gt;5 Ton, Deduct</i>	-0.15
03 22 16 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.19
		<i>For &gt;5 Ton, Deduct</i>	-0.17
03 22 16 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.44
		<i>For &gt;5 Ton, Deduct</i>	-0.20
03 22 16 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.09
		<i>For &gt;5 Ton, Deduct</i>	-0.15
03 22 16 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.24
		<i>For &gt;5 Ton, Deduct</i>	-0.17
03 22 16 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.63
		<i>For &gt;5 Ton, Deduct</i>	-0.21
03 22 16 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.92
		<i>For &gt;5 Ton, Deduct</i>	-0.25



<b>Concrete</b>	<b>03</b>	<b>03</b>
Concrete Reinforcing	03 20	
Fabric and Grid Reinforcing	03 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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### 03 30 Cast-In-Place Concrete (03)

See CSI section 01 74 19 00-0039 for hauling over 15 miles.

#### 03 30 53 Miscellaneous Cast-in-Place Concrete (03 30)

##### 03 30 53 00-0001 Place Concrete Thrust Blocks And Backfill (03 30 53)

03 30 53 00-0002	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks.....	215.54
		<i>For 2,000 PSI Concrete, Deduct</i>	-7.85
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.93
		<i>For 3,500 PSI Concrete, Add</i>	7.27
		<i>For 3,750 PSI Concrete, Add</i>	9.89
		<i>For 4,000 PSI Concrete, Add</i>	12.50
		<i>For 4,500 PSI Concrete, Add</i>	14.54
		<i>For 5,000 PSI Concrete, Add</i>	16.57
		<i>For 6,000 PSI Concrete, Add</i>	39.25
		<i>For White Cement Concrete, Add</i>	17.45
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	18.90
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	14.54
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	43.61
		<i>For Up To 20, Add</i>	28.06
		<i>For &gt;20 To 50, Add</i>	10.52
		<i>For &gt;100 To 200, Deduct</i>	-4.31
		<i>For &gt;200 To 400, Deduct</i>	-8.62
		<i>For &gt;400, Deduct</i>	-12.93

##### 03 30 53 00-0003 Place Concrete Slurry (03 30 53)

03 30 53 00-0004	CY	Direct Chute, Place Two Sack Cement, Concrete Slurry.....	164.34
		Note: Two 94# sack cement per CY.	
03 30 53 00-0005	CY	Concrete Pump, Place Two Sack Cement, Concrete Slurry.....	158.16
		Note: Two 94# sack cement per CY. Excludes pumping equipment.	

##### 03 30 53 00-0006 Hand Mix And Place Concrete (03 30 53)

03 30 53 00-0007	CF	Hand Mix And Place Concrete.....	29.03
		Note: For use where conventional equipment access is limited or when directed by the owner.	
		<i>For 2,000 PSI Concrete, Deduct</i>	-0.34
		<i>For 2,500 PSI Concrete, Deduct</i>	-0.17
		<i>For 3,500 PSI Concrete, Add</i>	0.31
		<i>For 3,750 PSI Concrete, Add</i>	0.42
		<i>For 4,000 PSI Concrete, Add</i>	0.53
		<i>For 4,500 PSI Concrete, Add</i>	0.62
		<i>For 5,000 PSI Concrete, Add</i>	0.71
		<i>For 6,000 PSI Concrete, Add</i>	1.68
		<i>For White Cement Concrete, Add</i>	0.75
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	0.81
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	0.62
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	1.86

### 03 31 Structural Concrete (03 30)

#### 03 31 13 Heavyweight Structural Concrete (03 31)

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-0088 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

##### 03 31 13 00-0001 Concrete Slab Assemblies (03 31 13)

##### 03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies (03 31 13 00-0001)

Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0003	SF	4" 3,000 PSI Slab On Grade Concrete Slabs Assembly.....	7.08
		<i>For 2,000 PSI Concrete, Deduct</i>	-0.19
		<i>For 2,500 PSI Concrete, Deduct</i>	-0.10
		<i>For 3,500 PSI Concrete, Add</i>	0.07
		<i>For 4,000 PSI Concrete, Add</i>	0.22
		<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13
		<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40
		<i>For Up To 500, Add</i>	2.84
		<i>For &gt;500 To 1,000, Add</i>	1.95
		<i>For &gt;1,000 To 2,000, Add</i>	1.06
		<i>For &gt;2,000 To 5,000, Add</i>	0.53
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.18
		<i>For &gt;20,000 To 35,000, Deduct</i>	-0.35
		<i>For &gt;35,000 To 50,000, Deduct</i>	-0.53
		<i>For &gt;50,000 To 70,000, Deduct</i>	-0.71
		<i>For &gt;70,000, Deduct</i>	-0.88

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0004	SF	5"	3,000 PSI Slab On Grade Concrete Slabs Assembly .....	7.73	
			<i>For 2,000 PSI Concrete, Deduct</i>	-0.22	
			<i>For 2,500 PSI Concrete, Deduct</i>	-0.11	
			<i>For 3,500 PSI Concrete, Add</i>	0.08	
			<i>For 4,000 PSI Concrete, Add</i>	0.25	
			<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13	
			<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40	
			<i>For Up To 500, Add</i>	3.03	
			<i>For &gt;500 To 1,000, Add</i>	2.09	
			<i>For &gt;1,000 To 2,000, Add</i>	1.15	
			<i>For &gt;2,000 To 5,000, Add</i>	0.57	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.20	
			<i>For &gt;20,000 To 35,000, Deduct</i>	-0.39	
			<i>For &gt;35,000 To 50,000, Deduct</i>	-0.59	
			<i>For &gt;50,000 To 70,000, Deduct</i>	-0.78	
			<i>For &gt;70,000, Deduct</i>	-0.97	
03 31 13 00-0005	SF	6"	3,000 PSI Slab On Grade Concrete Slabs Assembly .....	8.65	
			<i>For 2,000 PSI Concrete, Deduct</i>	-0.25	
			<i>For 2,500 PSI Concrete, Deduct</i>	-0.13	
			<i>For 3,500 PSI Concrete, Add</i>	0.09	
			<i>For 4,000 PSI Concrete, Add</i>	0.29	
			<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13	
			<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40	
			<i>For Up To 500, Add</i>	3.32	
			<i>For &gt;500 To 1,000, Add</i>	2.29	
			<i>For &gt;1,000 To 2,000, Add</i>	1.26	
			<i>For &gt;2,000 To 5,000, Add</i>	0.63	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23	
			<i>For &gt;20,000 To 35,000, Deduct</i>	-0.45	
			<i>For &gt;35,000 To 50,000, Deduct</i>	-0.67	
			<i>For &gt;50,000 To 70,000, Deduct</i>	-0.88	
			<i>For &gt;70,000, Deduct</i>	-1.10	
03 31 13 00-0006	SF	7"	3,000 PSI Slab On Grade Concrete Slabs Assembly .....	9.52	
			<i>For 2,000 PSI Concrete, Deduct</i>	-0.29	
			<i>For 2,500 PSI Concrete, Deduct</i>	-0.15	
			<i>For 3,500 PSI Concrete, Add</i>	0.10	
			<i>For 4,000 PSI Concrete, Add</i>	0.34	
			<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13	
			<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40	
			<i>For Up To 500, Add</i>	3.56	
			<i>For &gt;500 To 1,000, Add</i>	2.46	
			<i>For &gt;1,000 To 2,000, Add</i>	1.37	
			<i>For &gt;2,000 To 5,000, Add</i>	0.68	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.27	
			<i>For &gt;20,000 To 35,000, Deduct</i>	-0.51	
			<i>For &gt;35,000 To 50,000, Deduct</i>	-0.75	
			<i>For &gt;50,000 To 70,000, Deduct</i>	-0.98	
			<i>For &gt;70,000, Deduct</i>	-1.22	
03 31 13 00-0007	SF	8"	3,000 PSI Slab On Grade Concrete Slabs Assembly .....	10.27	
			<i>For 2,000 PSI Concrete, Deduct</i>	-0.32	
			<i>For 2,500 PSI Concrete, Deduct</i>	-0.16	
			<i>For 3,500 PSI Concrete, Add</i>	0.11	
			<i>For 4,000 PSI Concrete, Add</i>	0.38	
			<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13	
			<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40	
			<i>For Up To 500, Add</i>	3.77	
			<i>For &gt;500 To 1,000, Add</i>	2.62	
			<i>For &gt;1,000 To 2,000, Add</i>	1.46	
			<i>For &gt;2,000 To 5,000, Add</i>	0.73	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.30	
			<i>For &gt;20,000 To 35,000, Deduct</i>	-0.56	
			<i>For &gt;35,000 To 50,000, Deduct</i>	-0.81	
			<i>For &gt;50,000 To 70,000, Deduct</i>	-1.07	
			<i>For &gt;70,000, Deduct</i>	-1.33	
03 31 13 00-0008	SF	10"	3,000 PSI Slab On Grade Concrete Slabs Assembly .....	12.17	
			<i>For 2,000 PSI Concrete, Deduct</i>	-0.41	
			<i>For 2,500 PSI Concrete, Deduct</i>	-0.20	
			<i>For 3,500 PSI Concrete, Add</i>	0.14	
			<i>For 4,000 PSI Concrete, Add</i>	0.48	
			<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13	
			<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40	
			<i>For Up To 500, Add</i>	4.29	
			<i>For &gt;500 To 1,000, Add</i>	2.98	
			<i>For &gt;1,000 To 2,000, Add</i>	1.68	
			<i>For &gt;2,000 To 5,000, Add</i>	0.84	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.38	
			<i>For &gt;20,000 To 35,000, Deduct</i>	-0.68	
			<i>For &gt;35,000 To 50,000, Deduct</i>	-0.99	
			<i>For &gt;50,000 To 70,000, Deduct</i>	-1.29	
			<i>For &gt;70,000, Deduct</i>	-1.59	



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0009 SF 12" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	13.65	
For 2,000 PSI Concrete, Deduct	-0.47	
For 2,500 PSI Concrete, Deduct	-0.23	
For 3,500 PSI Concrete, Add	0.17	
For 4,000 PSI Concrete, Add	0.55	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
For Up To 500, Add	4.71	
For >500 To 1,000, Add	3.29	
For >1,000 To 2,000, Add	1.86	
For >2,000 To 5,000, Add	0.93	
For >10,000 To 20,000, Deduct	-0.43	
For >20,000 To 35,000, Deduct	-0.78	
For >35,000 To 50,000, Deduct	-1.12	
For >50,000 To 70,000, Deduct	-1.46	
For >70,000, Deduct	-1.80	
 03 31 13 00-0010 Concrete Delivery And Placement <sup>(03 31 13)</sup>		
Note: Includes cleaning out equipment and standard concrete placement tests.		
 03 31 13 00-0011 Place Concrete By Method Indicated <sup>(03 31 13 00-0010)</sup>		
Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.		
 03 31 13 00-0012 Place Concrete Pile Caps <sup>(03 31 13 00-0011)</sup>		
03 31 13 00-0013 CY Crane And Bucket, Place 3,000 PSI Concrete Pile Caps .....	266.00	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.93	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.45	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	48.25	
For >20 To 50, Add	18.09	
For >100 To 200, Deduct	-5.32	
For >200 To 400, Deduct	-10.64	
For >400, Deduct	-15.96	
03 31 13 00-0014 CY Direct Chute, Place 3,000 PSI Concrete Pile Caps .....	196.96	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.92	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	20.64	
For >20 To 50, Add	7.74	
For >100 To 200, Deduct	-3.94	
For >200 To 400, Deduct	-7.88	
For >400, Deduct	-11.82	
03 31 13 00-0015 CY Concrete Pump, Place 3,000 PSI Concrete Pile Caps .....	206.62	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-8.50	
For 2,500 PSI Concrete, Deduct	-4.25	
For 3,500 PSI Concrete, Add	7.87	
For 3,750 PSI Concrete, Add	10.71	
For 4,000 PSI Concrete, Add	13.54	
For 4,500 PSI Concrete, Add	15.75	
For 5,000 PSI Concrete, Add	17.95	
For 6,000 PSI Concrete, Add	42.52	
For White Cement Concrete, Add	18.90	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.47	
For High Early Strength, Type 3 ASTM C150, Add	15.75	
For Lightweight Aggregate, ASTM C330, Add	47.25	
For Up To 20, Add	19.65	
For >20 To 50, Add	7.37	
For >100 To 200, Deduct	-4.13	
For >200 To 400, Deduct	-8.26	
For >400, Deduct	-12.40	
 03 31 13 00-0016 Place Concrete Continuous Footings <sup>(03 31 13 00-0011)</sup>		

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0017	CY Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings.....	252.59
	For 2,000 PSI Concrete, Deduct	-7.85
	For 2,500 PSI Concrete, Deduct	-3.92
	For 3,500 PSI Concrete, Add	7.27
	For 3,750 PSI Concrete, Add	9.89
	For 4,000 PSI Concrete, Add	12.50
	For 4,500 PSI Concrete, Add	14.54
	For 5,000 PSI Concrete, Add	16.57
	For 6,000 PSI Concrete, Add	39.25
	For White Cement Concrete, Add	17.44
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90
	For High Early Strength, Type 3 ASTM C150, Add	14.54
	For Lightweight Aggregate, ASTM C330, Add	43.61
	For Up To 20, Add	42.89
	For >20 To 50, Add	16.08
	For >100 To 200, Deduct	-5.05
	For >200 To 400, Deduct	-10.10
	For >400, Deduct	-15.16
03 31 13 00-0018	CY Direct Chute, Place 3,000 PSI Concrete Continuous Footings.....	191.23
	For 2,000 PSI Concrete, Deduct	-7.85
	For 2,500 PSI Concrete, Deduct	-3.92
	For 3,500 PSI Concrete, Add	7.27
	For 3,750 PSI Concrete, Add	9.89
	For 4,000 PSI Concrete, Add	12.50
	For 4,500 PSI Concrete, Add	14.54
	For 5,000 PSI Concrete, Add	16.57
	For 6,000 PSI Concrete, Add	39.25
	For White Cement Concrete, Add	17.44
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90
	For High Early Strength, Type 3 ASTM C150, Add	14.54
	For Lightweight Aggregate, ASTM C330, Add	43.61
	For Up To 20, Add	18.34
	For >20 To 50, Add	6.88
	For >100 To 200, Deduct	-3.82
	For >200 To 400, Deduct	-7.65
	For >400, Deduct	-11.47
03 31 13 00-0019	CY Concrete Pump, Place 3,000 PSI Concrete Continuous Footings.....	201.16
	Note: Excludes pumping equipment.	
	For 2,000 PSI Concrete, Deduct	-8.50
	For 2,500 PSI Concrete, Deduct	-4.25
	For 3,500 PSI Concrete, Add	7.87
	For 3,750 PSI Concrete, Add	10.71
	For 4,000 PSI Concrete, Add	13.54
	For 4,500 PSI Concrete, Add	15.75
	For 5,000 PSI Concrete, Add	17.95
	For 6,000 PSI Concrete, Add	42.52
	For White Cement Concrete, Add	18.90
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.47
	For High Early Strength, Type 3 ASTM C150, Add	15.75
	For Lightweight Aggregate, ASTM C330, Add	47.25
	For Up To 20, Add	17.47
	For >20 To 50, Add	6.55
	For >100 To 200, Deduct	-4.02
	For >200 To 400, Deduct	-8.05
	For >400, Deduct	-12.07
03 31 13 00-0020	Place Concrete Spread Footings (03 31 13 00-0011)	
03 31 13 00-0021	CY Crane And Bucket, Place 3,000 PSI Concrete Spread Footings.....	326.31
	For 2,000 PSI Concrete, Deduct	-7.85
	For 2,500 PSI Concrete, Deduct	-3.92
	For 3,500 PSI Concrete, Add	7.27
	For 3,750 PSI Concrete, Add	9.89
	For 4,000 PSI Concrete, Add	12.50
	For 4,500 PSI Concrete, Add	14.54
	For 5,000 PSI Concrete, Add	16.57
	For 6,000 PSI Concrete, Add	39.25
	For White Cement Concrete, Add	17.44
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90
	For High Early Strength, Type 3 ASTM C150, Add	14.54
	For Lightweight Aggregate, ASTM C330, Add	43.61
	For Up To 20, Add	72.38
	For >20 To 50, Add	27.14
	For >100 To 200, Deduct	-6.53
	For >200 To 400, Deduct	-13.05
	For >400, Deduct	-19.58



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0022 CY Direct Chute, Place 3,000 PSI Concrete Spread Footings .....	222.75	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.92	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	30.95	
For >20 To 50, Add	11.61	
For >100 To 200, Deduct	-4.46	
For >200 To 400, Deduct	-8.91	
For >400, Deduct	-13.37	
03 31 13 00-0023 CY Concrete Pump, Place 3,000 PSI Concrete Spread Footings .....	231.19	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-8.50	
For 2,500 PSI Concrete, Deduct	-4.25	
For 3,500 PSI Concrete, Add	7.87	
For 3,750 PSI Concrete, Add	10.71	
For 4,000 PSI Concrete, Add	13.54	
For 4,500 PSI Concrete, Add	15.75	
For 5,000 PSI Concrete, Add	17.95	
For 6,000 PSI Concrete, Add	42.52	
For White Cement Concrete, Add	18.90	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.47	
For High Early Strength, Type 3 ASTM C150, Add	15.75	
For Lightweight Aggregate, ASTM C330, Add	47.25	
For Up To 20, Add	29.48	
For >20 To 50, Add	11.06	
For >100 To 200, Deduct	-4.62	
For >200 To 400, Deduct	-9.25	
For >400, Deduct	-13.87	
<b>03 31 13 00-0024 Place Concrete Mat Foundation (03 31 13 00-0011)</b>		
03 31 13 00-0025 CY Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation.....	177.53	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.92	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	12.86	
For >20 To 50, Add	4.82	
For >100 To 200, Deduct	-3.55	
For >200 To 400, Deduct	-7.10	
For >400, Deduct	-10.65	
03 31 13 00-0026 CY Direct Chute, Place 3,000 PSI Concrete Mat Foundation.....	159.13	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.92	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	5.50	
For >20 To 50, Add	2.06	
For >100 To 200, Deduct	-3.18	
For >200 To 400, Deduct	-6.37	
For >400, Deduct	-9.55	

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0027	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation .....	168.96
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-8.50
		For 2,500 PSI Concrete, Deduct	-4.25
		For 3,500 PSI Concrete, Add	7.87
		For 3,750 PSI Concrete, Add	10.71
		For 4,000 PSI Concrete, Add	13.54
		For 4,500 PSI Concrete, Add	15.75
		For 5,000 PSI Concrete, Add	17.95
		For 6,000 PSI Concrete, Add	42.52
		For White Cement Concrete, Add	18.90
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.47
		For High Early Strength, Type 3 ASTM C150, Add	15.75
		For Lightweight Aggregate, ASTM C330, Add	47.25
		For Up To 20, Add	4.59
		For >20 To 50, Add	1.72
		For >100 To 200, Deduct	-3.38
		For >200 To 400, Deduct	-6.76
		For >400, Deduct	-10.14

**03 31 13 00-0028 Place Concrete Grade Beams** (03 31 13 00-0011)

03 31 13 00-0029	CY	Crane And Bucket, Place 3,000 PSI Concrete Grade Beams .....	231.15
		For 2,000 PSI Concrete, Deduct	-7.85
		For 2,500 PSI Concrete, Deduct	-3.92
		For 3,500 PSI Concrete, Add	7.27
		For 3,750 PSI Concrete, Add	9.89
		For 4,000 PSI Concrete, Add	12.50
		For 4,500 PSI Concrete, Add	14.54
		For 5,000 PSI Concrete, Add	16.57
		For 6,000 PSI Concrete, Add	39.25
		For White Cement Concrete, Add	17.44
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90
		For High Early Strength, Type 3 ASTM C150, Add	14.54
		For Lightweight Aggregate, ASTM C330, Add	43.61
		For Up To 20, Add	34.31
		For >20 To 50, Add	12.87
		For >100 To 200, Deduct	-4.62
		For >200 To 400, Deduct	-9.25
		For >400, Deduct	-13.87
03 31 13 00-0030	CY	Direct Chute, Place 3,000 PSI Concrete Grade Beams .....	182.06
		For 2,000 PSI Concrete, Deduct	-7.85
		For 2,500 PSI Concrete, Deduct	-3.92
		For 3,500 PSI Concrete, Add	7.27
		For 3,750 PSI Concrete, Add	9.89
		For 4,000 PSI Concrete, Add	12.50
		For 4,500 PSI Concrete, Add	14.54
		For 5,000 PSI Concrete, Add	16.57
		For 6,000 PSI Concrete, Add	39.25
		For White Cement Concrete, Add	17.44
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90
		For High Early Strength, Type 3 ASTM C150, Add	14.54
		For Lightweight Aggregate, ASTM C330, Add	43.61
		For Up To 20, Add	14.68
		For >20 To 50, Add	5.50
		For >100 To 200, Deduct	-3.64
		For >200 To 400, Deduct	-7.28
		For >400, Deduct	-10.92
03 31 13 00-0031	CY	Concrete Pump, Place 3,000 PSI Concrete Grade Beams .....	192.43
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-8.50
		For 2,500 PSI Concrete, Deduct	-4.25
		For 3,500 PSI Concrete, Add	7.87
		For 3,750 PSI Concrete, Add	10.71
		For 4,000 PSI Concrete, Add	13.54
		For 4,500 PSI Concrete, Add	15.75
		For 5,000 PSI Concrete, Add	17.95
		For 6,000 PSI Concrete, Add	42.52
		For White Cement Concrete, Add	18.90
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.47
		For High Early Strength, Type 3 ASTM C150, Add	15.75
		For Lightweight Aggregate, ASTM C330, Add	47.25
		For Up To 20, Add	13.98
		For >20 To 50, Add	5.24
		For >100 To 200, Deduct	-3.85
		For >200 To 400, Deduct	-7.70
		For >400, Deduct	-11.55

**03 31 13 00-0032 Place Concrete Slab On Grade** (03 31 13 00-0011)





<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0033 CY Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	233.16	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.92	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	35.12	
For >20 To 50, Add	13.17	
For >100 To 200, Deduct	-4.66	
For >200 To 400, Deduct	-9.33	
For >400, Deduct	-13.99	
03 31 13 00-0034 CY >6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade .....	211.99	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.92	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	26.65	
For >20 To 50, Add	9.99	
For >100 To 200, Deduct	-4.24	
For >200 To 400, Deduct	-8.48	
For >400, Deduct	-12.72	
03 31 13 00-0035 CY Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	182.92	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.92	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	15.02	
For >20 To 50, Add	5.63	
For >100 To 200, Deduct	-3.66	
For >200 To 400, Deduct	-7.32	
For >400, Deduct	-10.98	
03 31 13 00-0036 CY >6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade .....	173.86	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.92	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	11.40	
For >20 To 50, Add	4.27	
For >100 To 200, Deduct	-3.48	
For >200 To 400, Deduct	-6.95	
For >400, Deduct	-10.43	

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0037	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	188.78
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-8.50
		For 2,500 PSI Concrete, Deduct	-4.25
		For 3,500 PSI Concrete, Add	7.87
		For 3,750 PSI Concrete, Add	10.71
		For 4,000 PSI Concrete, Add	13.54
		For 4,500 PSI Concrete, Add	15.75
		For 5,000 PSI Concrete, Add	17.95
		For 6,000 PSI Concrete, Add	42.52
		For White Cement Concrete, Add	18.90
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.47
		For High Early Strength, Type 3 ASTM C150, Add	15.75
		For Lightweight Aggregate, ASTM C330, Add	47.25
		For Up To 20, Add	12.52
		For >20 To 50, Add	4.69
		For >100 To 200, Deduct	-3.78
		For >200 To 400, Deduct	-7.55
		For >400, Deduct	-11.33
03 31 13 00-0038	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	181.23
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-8.50
		For 2,500 PSI Concrete, Deduct	-4.25
		For 3,500 PSI Concrete, Add	7.87
		For 3,750 PSI Concrete, Add	10.71
		For 4,000 PSI Concrete, Add	13.54
		For 4,500 PSI Concrete, Add	15.75
		For 5,000 PSI Concrete, Add	17.95
		For 6,000 PSI Concrete, Add	42.52
		For White Cement Concrete, Add	18.90
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.47
		For High Early Strength, Type 3 ASTM C150, Add	15.75
		For Lightweight Aggregate, ASTM C330, Add	47.25
		For Up To 20, Add	9.50
		For >20 To 50, Add	3.56
		For >100 To 200, Deduct	-3.62
		For >200 To 400, Deduct	-7.25
		For >400, Deduct	-10.87
03 31 13 00-0039		<b>Place Concrete Duct Bank</b> (03 31 13 00-0011)	
03 31 13 00-0040	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank .....	176.44
		For 2,000 PSI Concrete, Deduct	-7.85
		For 2,500 PSI Concrete, Deduct	-3.92
		For 3,500 PSI Concrete, Add	7.27
		For 3,750 PSI Concrete, Add	9.89
		For 4,000 PSI Concrete, Add	12.50
		For 4,500 PSI Concrete, Add	14.54
		For 5,000 PSI Concrete, Add	16.57
		For 6,000 PSI Concrete, Add	39.25
		For White Cement Concrete, Add	17.44
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90
		For High Early Strength, Type 3 ASTM C150, Add	14.54
		For Lightweight Aggregate, ASTM C330, Add	43.61
		For Up To 20, Add	12.43
		For >20 To 50, Add	4.66
		For >100 To 200, Deduct	-3.53
		For >200 To 400, Deduct	-7.06
		For >400, Deduct	-10.59
03 31 13 00-0041		<b>Place Concrete Stairs</b> (03 31 13 00-0011)	
03 31 13 00-0042	CY	Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs.....	540.38
		For 2,000 PSI Concrete, Deduct	-7.85
		For 2,500 PSI Concrete, Deduct	-3.92
		For 3,500 PSI Concrete, Add	7.27
		For 3,750 PSI Concrete, Add	9.89
		For 4,000 PSI Concrete, Add	12.50
		For 4,500 PSI Concrete, Add	14.54
		For 5,000 PSI Concrete, Add	16.57
		For 6,000 PSI Concrete, Add	39.25
		For White Cement Concrete, Add	17.44
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90
		For High Early Strength, Type 3 ASTM C150, Add	14.54
		For Lightweight Aggregate, ASTM C330, Add	43.61
		For Up To 20, Add	158.00
		For >20 To 50, Add	59.25
		For >100 To 200, Deduct	-10.81
		For >200 To 400, Deduct	-21.62
		For >400, Deduct	-32.42



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0043 CY Direct Chute, Place 3,000 PSI On Grade Concrete Stairs.....	314.34	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.92	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	67.59	
For >20 To 50, Add	25.35	
For >100 To 200, Deduct	-6.29	
For >200 To 400, Deduct	-12.57	
For >400, Deduct	-18.86	
03 31 13 00-0044 CY Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs.....	298.31	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-8.50	
For 2,500 PSI Concrete, Deduct	-4.25	
For 3,500 PSI Concrete, Add	7.87	
For 3,750 PSI Concrete, Add	10.71	
For 4,000 PSI Concrete, Add	13.54	
For 4,500 PSI Concrete, Add	15.75	
For 5,000 PSI Concrete, Add	17.95	
For 6,000 PSI Concrete, Add	42.52	
For White Cement Concrete, Add	18.90	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.47	
For High Early Strength, Type 3 ASTM C150, Add	15.75	
For Lightweight Aggregate, ASTM C330, Add	47.25	
For Up To 20, Add	56.33	
For >20 To 50, Add	21.12	
For >100 To 200, Deduct	-5.97	
For >200 To 400, Deduct	-11.93	
For >400, Deduct	-17.90	
<b>03 31 13 00-0045 Place Concrete Superstructure By Method Indicated (03 31 13 00-0010)</b>		
See CSI section 03 37 16 00-0001 for concrete pump truck.		
<b>03 31 13 00-0046 Place Elevated Concrete Beams (03 31 13 00-0045)</b>		
03 31 13 00-0047 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams.....	359.81	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.92	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	85.78	
For >20 To 50, Add	32.17	
For >100 To 200, Deduct	-7.20	
For >200 To 400, Deduct	-14.39	
For >400, Deduct	-21.59	
03 31 13 00-0048 CY Concrete Pump, Place 3,000 PSI Elevated Concrete Beams.....	244.83	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-8.50	
For 2,500 PSI Concrete, Deduct	-4.25	
For 3,500 PSI Concrete, Add	7.87	
For 3,750 PSI Concrete, Add	10.71	
For 4,000 PSI Concrete, Add	13.54	
For 4,500 PSI Concrete, Add	15.75	
For 5,000 PSI Concrete, Add	17.95	
For 6,000 PSI Concrete, Add	42.52	
For White Cement Concrete, Add	18.90	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.47	
For High Early Strength, Type 3 ASTM C150, Add	15.75	
For Lightweight Aggregate, ASTM C330, Add	47.25	
For Up To 20, Add	34.94	
For >20 To 50, Add	13.10	
For >100 To 200, Deduct	-4.90	
For >200 To 400, Deduct	-9.79	
For >400, Deduct	-14.69	
<b>03 31 13 00-0049 Place Elevated Concrete Slab (03 31 13 00-0045)</b>		

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0050	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab.....	246.33	
		<i>For 2,000 PSI Concrete, Deduct</i>	-7.85	
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.92	
		<i>For 3,500 PSI Concrete, Add</i>	7.27	
		<i>For 3,750 PSI Concrete, Add</i>	9.89	
		<i>For 4,000 PSI Concrete, Add</i>	12.50	
		<i>For 4,500 PSI Concrete, Add</i>	14.54	
		<i>For 5,000 PSI Concrete, Add</i>	16.57	
		<i>For 6,000 PSI Concrete, Add</i>	39.25	
		<i>For White Cement Concrete, Add</i>	17.44	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	18.90	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	14.54	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	43.61	
		<i>For Up To 20, Add</i>	40.38	
		<i>For &gt;20 To 50, Add</i>	15.14	
		<i>For &gt;100 To 200, Deduct</i>	-4.93	
		<i>For &gt;200 To 400, Deduct</i>	-9.85	
		<i>For &gt;400, Deduct</i>	-14.78	
03 31 13 00-0051	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab .....	221.97	
		<i>For 2,000 PSI Concrete, Deduct</i>	-7.85	
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.92	
		<i>For 3,500 PSI Concrete, Add</i>	7.27	
		<i>For 3,750 PSI Concrete, Add</i>	9.89	
		<i>For 4,000 PSI Concrete, Add</i>	12.50	
		<i>For 4,500 PSI Concrete, Add</i>	14.54	
		<i>For 5,000 PSI Concrete, Add</i>	16.57	
		<i>For 6,000 PSI Concrete, Add</i>	39.25	
		<i>For White Cement Concrete, Add</i>	17.44	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	18.90	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	14.54	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	43.61	
		<i>For Up To 20, Add</i>	30.64	
		<i>For &gt;20 To 50, Add</i>	11.49	
		<i>For &gt;100 To 200, Deduct</i>	-4.44	
		<i>For &gt;200 To 400, Deduct</i>	-8.88	
		<i>For &gt;400, Deduct</i>	-13.32	
03 31 13 00-0052	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab.....	198.62	
		Note: Excludes pumping equipment.		
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.50	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.25	
		<i>For 3,500 PSI Concrete, Add</i>	7.87	
		<i>For 3,750 PSI Concrete, Add</i>	10.71	
		<i>For 4,000 PSI Concrete, Add</i>	13.54	
		<i>For 4,500 PSI Concrete, Add</i>	15.75	
		<i>For 5,000 PSI Concrete, Add</i>	17.95	
		<i>For 6,000 PSI Concrete, Add</i>	42.52	
		<i>For White Cement Concrete, Add</i>	18.90	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	20.47	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	15.75	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	47.25	
		<i>For Up To 20, Add</i>	16.45	
		<i>For &gt;20 To 50, Add</i>	6.17	
		<i>For &gt;100 To 200, Deduct</i>	-3.97	
		<i>For &gt;200 To 400, Deduct</i>	-7.94	
		<i>For &gt;400, Deduct</i>	-11.92	
03 31 13 00-0053	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab .....	188.70	
		Note: Excludes pumping equipment.		
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.50	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.25	
		<i>For 3,500 PSI Concrete, Add</i>	7.87	
		<i>For 3,750 PSI Concrete, Add</i>	10.71	
		<i>For 4,000 PSI Concrete, Add</i>	13.54	
		<i>For 4,500 PSI Concrete, Add</i>	15.75	
		<i>For 5,000 PSI Concrete, Add</i>	17.95	
		<i>For 6,000 PSI Concrete, Add</i>	42.52	
		<i>For White Cement Concrete, Add</i>	18.90	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	20.47	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	15.75	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	47.25	
		<i>For Up To 20, Add</i>	12.48	
		<i>For &gt;20 To 50, Add</i>	4.68	
		<i>For &gt;100 To 200, Deduct</i>	-3.77	
		<i>For &gt;200 To 400, Deduct</i>	-7.55	
		<i>For &gt;400, Deduct</i>	-11.32	

03 31 13 00-0054 Place Concrete Columns (03 31 13 00-0045)



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0055 CY 12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	376.97	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.92	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	92.64	
For >20 To 50, Add	34.74	
For >100 To 200, Deduct	-7.54	
For >200 To 400, Deduct	-15.08	
For >400, Deduct	-22.62	
03 31 13 00-0056 CY 18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	313.71	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.92	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	67.34	
For >20 To 50, Add	25.25	
For >100 To 200, Deduct	-6.27	
For >200 To 400, Deduct	-12.55	
For >400, Deduct	-18.82	
03 31 13 00-0057 CY 24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	268.46	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.92	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	49.24	
For >20 To 50, Add	18.46	
For >100 To 200, Deduct	-5.37	
For >200 To 400, Deduct	-10.74	
For >400, Deduct	-16.11	
03 31 13 00-0058 CY 36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	248.31	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.92	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	41.18	
For >20 To 50, Add	15.44	
For >100 To 200, Deduct	-4.97	
For >200 To 400, Deduct	-9.93	
For >400, Deduct	-14.90	

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0059	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	251.83
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-8.50
		For 2,500 PSI Concrete, Deduct	-4.25
		For 3,500 PSI Concrete, Add	7.87
		For 3,750 PSI Concrete, Add	10.71
		For 4,000 PSI Concrete, Add	13.54
		For 4,500 PSI Concrete, Add	15.75
		For 5,000 PSI Concrete, Add	17.95
		For 6,000 PSI Concrete, Add	42.52
		For White Cement Concrete, Add	18.90
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.47
		For High Early Strength, Type 3 ASTM C150, Add	15.75
		For Lightweight Aggregate, ASTM C330, Add	47.25
		For Up To 20, Add	37.74
		For >20 To 50, Add	14.15
		For >100 To 200, Deduct	-5.04
		For >200 To 400, Deduct	-10.07
		For >400, Deduct	-15.11
03 31 13 00-0060	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	226.06
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-8.50
		For 2,500 PSI Concrete, Deduct	-4.25
		For 3,500 PSI Concrete, Add	7.87
		For 3,750 PSI Concrete, Add	10.71
		For 4,000 PSI Concrete, Add	13.54
		For 4,500 PSI Concrete, Add	15.75
		For 5,000 PSI Concrete, Add	17.95
		For 6,000 PSI Concrete, Add	42.52
		For White Cement Concrete, Add	18.90
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.47
		For High Early Strength, Type 3 ASTM C150, Add	15.75
		For Lightweight Aggregate, ASTM C330, Add	47.25
		For Up To 20, Add	27.43
		For >20 To 50, Add	10.29
		For >100 To 200, Deduct	-4.52
		For >200 To 400, Deduct	-9.04
		For >400, Deduct	-13.56
03 31 13 00-0061	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	207.63
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-8.50
		For 2,500 PSI Concrete, Deduct	-4.25
		For 3,500 PSI Concrete, Add	7.87
		For 3,750 PSI Concrete, Add	10.71
		For 4,000 PSI Concrete, Add	13.54
		For 4,500 PSI Concrete, Add	15.75
		For 5,000 PSI Concrete, Add	17.95
		For 6,000 PSI Concrete, Add	42.52
		For White Cement Concrete, Add	18.90
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.47
		For High Early Strength, Type 3 ASTM C150, Add	15.75
		For Lightweight Aggregate, ASTM C330, Add	47.25
		For Up To 20, Add	20.06
		For >20 To 50, Add	7.52
		For >100 To 200, Deduct	-4.15
		For >200 To 400, Deduct	-8.31
		For >400, Deduct	-12.46
03 31 13 00-0062	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	199.41
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-8.50
		For 2,500 PSI Concrete, Deduct	-4.25
		For 3,500 PSI Concrete, Add	7.87
		For 3,750 PSI Concrete, Add	10.71
		For 4,000 PSI Concrete, Add	13.54
		For 4,500 PSI Concrete, Add	15.75
		For 5,000 PSI Concrete, Add	17.95
		For 6,000 PSI Concrete, Add	42.52
		For White Cement Concrete, Add	18.90
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.47
		For High Early Strength, Type 3 ASTM C150, Add	15.75
		For Lightweight Aggregate, ASTM C330, Add	47.25
		For Up To 20, Add	16.77
		For >20 To 50, Add	6.29
		For >100 To 200, Deduct	-3.99
		For >200 To 400, Deduct	-7.98
		For >400, Deduct	-11.96

03 31 13 00-0063 Place Concrete Walls (03 31 13 00-0045)



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0064 CY Up To 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls .....	362.50	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.92	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	86.85	
For >20 To 50, Add	32.57	
For >100 To 200, Deduct	-7.25	
For >200 To 400, Deduct	-14.50	
For >400, Deduct	-21.75	
03 31 13 00-0065 CY 12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls .....	344.50	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.92	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	79.65	
For >20 To 50, Add	29.87	
For >100 To 200, Deduct	-6.89	
For >200 To 400, Deduct	-13.78	
For >400, Deduct	-20.67	
03 31 13 00-0066 CY 15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls .....	297.36	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.92	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	60.80	
For >20 To 50, Add	22.80	
For >100 To 200, Deduct	-5.95	
For >200 To 400, Deduct	-11.89	
For >400, Deduct	-17.84	
03 31 13 00-0067 CY Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls .....	238.23	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.92	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	37.14	
For >20 To 50, Add	13.93	
For >100 To 200, Deduct	-4.76	
For >200 To 400, Deduct	-9.53	
For >400, Deduct	-14.29	

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0068	CY 12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls .....	219.66	
	For 2,000 PSI Concrete, Deduct	-7.85	
	For 2,500 PSI Concrete, Deduct	-3.92	
	For 3,500 PSI Concrete, Add	7.27	
	For 3,750 PSI Concrete, Add	9.89	
	For 4,000 PSI Concrete, Add	12.50	
	For 4,500 PSI Concrete, Add	14.54	
	For 5,000 PSI Concrete, Add	16.57	
	For 6,000 PSI Concrete, Add	39.25	
	For White Cement Concrete, Add	17.44	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
	For High Early Strength, Type 3 ASTM C150, Add	14.54	
	For Lightweight Aggregate, ASTM C330, Add	43.61	
	For Up To 20, Add	29.72	
	For >20 To 50, Add	11.14	
	For >100 To 200, Deduct	-4.39	
	For >200 To 400, Deduct	-8.79	
	For >400, Deduct	-13.18	
03 31 13 00-0069	CY 15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls .....	210.37	
	For 2,000 PSI Concrete, Deduct	-7.85	
	For 2,500 PSI Concrete, Deduct	-3.92	
	For 3,500 PSI Concrete, Add	7.27	
	For 3,750 PSI Concrete, Add	9.89	
	For 4,000 PSI Concrete, Add	12.50	
	For 4,500 PSI Concrete, Add	14.54	
	For 5,000 PSI Concrete, Add	16.57	
	For 6,000 PSI Concrete, Add	39.25	
	For White Cement Concrete, Add	17.44	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
	For High Early Strength, Type 3 ASTM C150, Add	14.54	
	For Lightweight Aggregate, ASTM C330, Add	43.61	
	For Up To 20, Add	26.00	
	For >20 To 50, Add	9.75	
	For >100 To 200, Deduct	-4.21	
	For >200 To 400, Deduct	-8.41	
	For >400, Deduct	-12.62	
03 31 13 00-0070	CY Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls .....	245.92	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-8.50	
	For 2,500 PSI Concrete, Deduct	-4.25	
	For 3,500 PSI Concrete, Add	7.87	
	For 3,750 PSI Concrete, Add	10.71	
	For 4,000 PSI Concrete, Add	13.54	
	For 4,500 PSI Concrete, Add	15.75	
	For 5,000 PSI Concrete, Add	17.95	
	For 6,000 PSI Concrete, Add	42.52	
	For White Cement Concrete, Add	18.90	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.47	
	For High Early Strength, Type 3 ASTM C150, Add	15.75	
	For Lightweight Aggregate, ASTM C330, Add	47.25	
	For Up To 20, Add	35.37	
	For >20 To 50, Add	13.26	
	For >100 To 200, Deduct	-4.92	
	For >200 To 400, Deduct	-9.84	
	For >400, Deduct	-14.76	
03 31 13 00-0071	CY 12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls .....	228.24	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-8.50	
	For 2,500 PSI Concrete, Deduct	-4.25	
	For 3,500 PSI Concrete, Add	7.87	
	For 3,750 PSI Concrete, Add	10.71	
	For 4,000 PSI Concrete, Add	13.54	
	For 4,500 PSI Concrete, Add	15.75	
	For 5,000 PSI Concrete, Add	17.95	
	For 6,000 PSI Concrete, Add	42.52	
	For White Cement Concrete, Add	18.90	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.47	
	For High Early Strength, Type 3 ASTM C150, Add	15.75	
	For Lightweight Aggregate, ASTM C330, Add	47.25	
	For Up To 20, Add	28.30	
	For >20 To 50, Add	10.61	
	For >100 To 200, Deduct	-4.56	
	For >200 To 400, Deduct	-9.13	
	For >400, Deduct	-13.69	





<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0072 CY 15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls .....	219.40	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-8.50	
For 2,500 PSI Concrete, Deduct	-4.25	
For 3,500 PSI Concrete, Add	7.87	
For 3,750 PSI Concrete, Add	10.71	
For 4,000 PSI Concrete, Add	13.54	
For 4,500 PSI Concrete, Add	15.75	
For 5,000 PSI Concrete, Add	17.95	
For 6,000 PSI Concrete, Add	42.52	
For White Cement Concrete, Add	18.90	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.47	
For High Early Strength, Type 3 ASTM C150, Add	15.75	
For Lightweight Aggregate, ASTM C330, Add	47.25	
For Up To 20, Add	24.76	
For >20 To 50, Add	9.29	
For >100 To 200, Deduct	-4.39	
For >200 To 400, Deduct	-8.78	
For >400, Deduct	-13.16	
<b>03 31 13 00-0073 Place Elevated Concrete Stairs (03 31 13 00-0045)</b>		
03 31 13 00-0074 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs .....	584.32	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.92	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	175.58	
For >20 To 50, Add	65.84	
For >100 To 200, Deduct	-11.69	
For >200 To 400, Deduct	-23.37	
For >400, Deduct	-35.06	
03 31 13 00-0075 CY Direct Chute, Place 3,000 PSI Elevated Concrete Stairs.....	333.10	
For 2,000 PSI Concrete, Deduct	-7.85	
For 2,500 PSI Concrete, Deduct	-3.92	
For 3,500 PSI Concrete, Add	7.27	
For 3,750 PSI Concrete, Add	9.89	
For 4,000 PSI Concrete, Add	12.50	
For 4,500 PSI Concrete, Add	14.54	
For 5,000 PSI Concrete, Add	16.57	
For 6,000 PSI Concrete, Add	39.25	
For White Cement Concrete, Add	17.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90	
For High Early Strength, Type 3 ASTM C150, Add	14.54	
For Lightweight Aggregate, ASTM C330, Add	43.61	
For Up To 20, Add	75.09	
For >20 To 50, Add	28.16	
For >100 To 200, Deduct	-6.66	
For >200 To 400, Deduct	-13.32	
For >400, Deduct	-19.99	
03 31 13 00-0076 CY Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs.....	313.93	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-8.50	
For 2,500 PSI Concrete, Deduct	-4.25	
For 3,500 PSI Concrete, Add	7.87	
For 3,750 PSI Concrete, Add	10.71	
For 4,000 PSI Concrete, Add	13.54	
For 4,500 PSI Concrete, Add	15.75	
For 5,000 PSI Concrete, Add	17.95	
For 6,000 PSI Concrete, Add	42.52	
For White Cement Concrete, Add	18.90	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.47	
For High Early Strength, Type 3 ASTM C150, Add	15.75	
For Lightweight Aggregate, ASTM C330, Add	47.25	
For Up To 20, Add	62.58	
For >20 To 50, Add	23.47	
For >100 To 200, Deduct	-6.28	
For >200 To 400, Deduct	-12.56	
For >400, Deduct	-18.84	
<b>03 31 13 00-0077 Place Concrete Coping (03 31 13 00-0045)</b>		

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0078	CY Crane And Bucket, Place 3,000 PSI Concrete Coping .....	599.49
	For 2,000 PSI Concrete, Deduct	-7.85
	For 2,500 PSI Concrete, Deduct	-3.92
	For 3,500 PSI Concrete, Add	7.27
	For 3,750 PSI Concrete, Add	9.89
	For 4,000 PSI Concrete, Add	12.50
	For 4,500 PSI Concrete, Add	14.54
	For 5,000 PSI Concrete, Add	16.57
	For 6,000 PSI Concrete, Add	39.25
	For White Cement Concrete, Add	17.44
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90
	For High Early Strength, Type 3 ASTM C150, Add	14.54
	For Lightweight Aggregate, ASTM C330, Add	43.61
	For Up To 20, Add	181.65
	For >20 To 50, Add	68.12
	For >100 To 200, Deduct	-11.99
	For >200 To 400, Deduct	-23.98
	For >400, Deduct	-35.97
03 31 13 00-0079	CY Direct Chute, Place 3,000 PSI Concrete Coping .....	331.84
	For 2,000 PSI Concrete, Deduct	-7.85
	For 2,500 PSI Concrete, Deduct	-3.92
	For 3,500 PSI Concrete, Add	7.27
	For 3,750 PSI Concrete, Add	9.89
	For 4,000 PSI Concrete, Add	12.50
	For 4,500 PSI Concrete, Add	14.54
	For 5,000 PSI Concrete, Add	16.57
	For 6,000 PSI Concrete, Add	39.25
	For White Cement Concrete, Add	17.44
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.90
	For High Early Strength, Type 3 ASTM C150, Add	14.54
	For Lightweight Aggregate, ASTM C330, Add	43.61
	For Up To 20, Add	74.59
	For >20 To 50, Add	27.97
	For >100 To 200, Deduct	-6.64
	For >200 To 400, Deduct	-13.27
	For >400, Deduct	-19.91
03 31 13 00-0080	CY Concrete Pump, Place 3,000 PSI Concrete Coping.....	439.92
	Note: Excludes pumping equipment.	
	For 2,000 PSI Concrete, Deduct	-8.50
	For 2,500 PSI Concrete, Deduct	-4.25
	For 3,500 PSI Concrete, Add	7.87
	For 3,750 PSI Concrete, Add	10.71
	For 4,000 PSI Concrete, Add	13.54
	For 4,500 PSI Concrete, Add	15.75
	For 5,000 PSI Concrete, Add	17.95
	For 6,000 PSI Concrete, Add	42.52
	For White Cement Concrete, Add	18.90
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.47
	For High Early Strength, Type 3 ASTM C150, Add	15.75
	For Lightweight Aggregate, ASTM C330, Add	47.25
	For Up To 20, Add	112.97
	For >20 To 50, Add	42.36
	For >100 To 200, Deduct	-8.80
	For >200 To 400, Deduct	-17.60
	For >400, Deduct	-26.40
03 31 13 00-0081	<b>Concrete Carts</b> <small>(03 31 13 00-0010)</small>	
	Note: Used to place concrete were necessary.	
03 31 13 00-0082	CY 50' Haul, Non Motorized, Concrete Buggy .....	22.22
03 31 13 00-0083	CY 150' Haul, Non Motorized, Concrete Buggy .....	29.75
03 31 13 00-0084	CY 250' Haul, Non Motorized, Concrete Buggy .....	39.68
03 31 13 00-0085	CY 50' Haul, Motorized, Concrete Buggy .....	10.13
03 31 13 00-0086	CY 150' Haul, Motorized, Concrete Buggy.....	13.59
03 31 13 00-0087	CY 250' Haul, Motorized, Concrete Buggy.....	18.12
03 31 13 00-0088	<b>Delivery Fee For Small Concrete Purchases (Short Load)</b> <small>(03 31 13)</small>	
03 31 13 00-0089	CY Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY.....	30.78
	Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.	
03 31 13 00-0090	<b>Equipment Pads</b> <small>(03 31 13)</small>	
03 31 13 00-0091	<b>Small Concrete Equipment Housekeeping Pad Assemblies</b> <small>(03 31 13 00-0090)</small>	
	Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project. See CSI section 03 31 13 00-0002 for >50 SF concrete pads.	
03 31 13 00-0092	SF 4" Equipment Pad With Welded Wire Reinforcement .....	17.71
	For >5 To 20 Pads, Deduct	-2.18
	For >20 To 50 Pads, Deduct	-4.00
	For >50 Pads, Deduct	-5.82
03 31 13 00-0093	SF 4" Equipment Pad With Rebar .....	22.04
	For >5 To 20 Pads, Deduct	-2.52
	For >20 To 50 Pads, Deduct	-4.62
	For >50 Pads, Deduct	-6.72



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0094 SF 6" Equipment Pad With Rebar.....	27.74	
<i>For &gt;5 To 20 Pads, Deduct</i>	-3.17	
<i>For &gt;20 To 50 Pads, Deduct</i>	-5.81	
<i>For &gt;50 Pads, Deduct</i>	-8.44	
03 31 13 00-0095 SF 8" Equipment Pad With Rebar.....	34.86	
<i>For &gt;5 To 20 Pads, Deduct</i>	-4.02	
<i>For &gt;20 To 50 Pads, Deduct</i>	-7.38	
<i>For &gt;50 Pads, Deduct</i>	-10.73	
<b>03 31 16 Lightweight Structural Concrete (03 31)</b>		
03 31 16 00-0001 Low Density Cellular / Foam Concrete Fill (03 31 16)		
03 31 16 00-0002 CY Lightweight Low Density Cellular/Foam Concrete, 100 To 120 PCF Density Range.....	281.79	
<b>03 35 Concrete Finishing (03 30)</b>		
<b>03 35 13 High-Tolerance Concrete Floor Finishing (03 35)</b>		
03 35 13 00-0001 Floor Finishes (03 35 13)		
Note: Task is for final finish type and includes all required prior finishes.		
03 35 13 00-0002 SF Screed, Concrete Floor Finish.....	0.96	
<i>For Up To 100, Add</i>	1.92	
<i>For &gt;100 To 250, Add</i>	0.48	
<i>For &gt;250 To 500, Add</i>	0.24	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
<i>For &gt;10,000, Deduct</i>	-0.10	
03 35 13 00-0003 SF Darby, Concrete Floor Finish.....	1.15	
<i>For Up To 100, Add</i>	2.30	
<i>For &gt;100 To 250, Add</i>	0.58	
<i>For &gt;250 To 500, Add</i>	0.29	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
<i>For &gt;10,000, Deduct</i>	-0.12	
03 35 13 00-0004 SF Broom, Concrete Floor Finish.....	1.26	
<i>For Up To 100, Add</i>	2.52	
<i>For &gt;100 To 250, Add</i>	0.63	
<i>For &gt;250 To 500, Add</i>	0.32	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
<i>For &gt;10,000, Deduct</i>	-0.13	
03 35 13 00-0005 SF Final Float, Concrete Floor Finish.....	1.47	
<i>For Up To 100, Add</i>	2.94	
<i>For &gt;100 To 250, Add</i>	0.74	
<i>For &gt;250 To 500, Add</i>	0.37	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
<i>For &gt;10,000, Deduct</i>	-0.15	
03 35 13 00-0006 SF Steel Trowel, Concrete Floor Finish.....	1.66	
<i>For Up To 100, Add</i>	3.32	
<i>For &gt;100 To 250, Add</i>	0.83	
<i>For &gt;250 To 500, Add</i>	0.42	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
<i>For &gt;10,000, Deduct</i>	-0.17	
03 35 13 00-0007 SF Concrete Floor Finishes, Machine.....	1.47	
<i>For Up To 100, Add</i>	2.94	
<i>For &gt;100 To 250, Add</i>	0.74	
<i>For &gt;250 To 500, Add</i>	0.37	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
<i>For &gt;10,000, Deduct</i>	-0.15	
<b>03 35 16 Heavy-Duty Concrete Floor Finishing (03 35)</b>		
03 35 16 00-0001 Shake On Floor Hardeners (03 35 16)		
03 35 16 00-0002 SF 0.3 LB/SF, Metallic, Shake On Floor Hardener.....	1.17	
03 35 16 00-0003 SF 0.65 LB/SF, Metallic, Shake On Floor Hardener.....	1.77	
03 35 16 00-0004 SF 0.3 LB/SF, Non Metallic, Shake On Floor Hardener.....	1.11	
03 35 16 00-0005 SF 0.65 LB/SF, Non Metallic, Shake On Floor Hardener.....	1.32	
<b>03 35 19 Colored Concrete Finishing (03 35)</b>		
03 35 19 00-0001 Concrete Surface Treatments (03 35 19)		
03 35 19 00-0002 SF Acrylic Latex Bonding Agent.....	0.49	
03 35 19 00-0003 SF Epoxy Resin Bonding Agent.....	2.98	
03 35 19 00-0004 SF Clear Acrylic Sealer, Hardener And Dustproofers.....	0.35	
03 35 19 00-0005 SF Colored Acrylic Sealer, Hardener And Dustproofers.....	0.37	
<b>03 35 23 Exposed Aggregate Concrete Finishing (03 35)</b>		
03 35 23 00-0001 Exposed Aggregate, Concrete Finish (03 35 23)		
03 35 23 00-0002 SF Exposed Aggregate, Concrete Floor Finish.....	3.13	

<b>03</b>	<b>03 Concrete</b>
	<b>03 30 Cast-In-Place Concrete</b>
	<b>03 35 Concrete Finishing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**03 35 26 Grooved Concrete Surface Finishing (03 35)**

03 35 26 00-0001	Ramp, Grooved Concrete Surface Finishing (03 35 26)	
03 35 26 00-0002	SF Ramp, Grooved Concrete Surface Finishing .....	4.56

**03 35 29 Tooled Concrete Finishing (03 35)**

03 35 29 00-0001	Solid Board Concrete Finish (03 35 29)	
03 35 29 00-0002	SF Solid Board Concrete, Uniform Finish, 1 Use, Add To Formwork .....	14.40
03 35 29 00-0003	SF Solid Board Concrete, Non Uniform Finish, 1 Use, Add To Formwork.....	15.43

**03 35 29 00-0004 Marblecrete Finishes (03 35 29)**

03 35 29 00-0005	SF 2" Thick Marblecrete And Finish .....	35.51
03 35 29 00-0006	SF 4" Thick Marblecrete And Finish .....	47.64

**03 35 33 Stamped Concrete Finishing (03 35)**

03 35 33 00-0001	Stamped Concrete Finishes (03 35 33)	
03 35 33 00-0002	SF Up To 2,500 SF Stamped Concrete Finish .....	3.84
03 35 33 00-0003	SF >2,500 To 10,000 SF Stamped Concrete Finish.....	3.48
03 35 33 00-0004	SF >10,000 SF Stamped Concrete Finish.....	3.33

**03 35 43 Polished Concrete Finishing (03 35)**

03 35 43 00-0001	Concrete Floor Polishing System (03 35 43)	
Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.		
03 35 43 00-0002	SF Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels.....	1.80
	For Up To 500, Add	3.41
	For >500 To 1,000, Add	3.17
	For >1,000 To 2,500, Add	2.09
	For >2,500 To 4,000, Add	1.09
	For >8,000 To 15,000, Deduct	-0.42
	For >15,000 To 25,000, Deduct	-0.54
	For >25,000, Deduct	-0.76
03 35 43 00-0003	SF Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels.....	1.45
	For Up To 500, Add	2.74
	For >500 To 1,000, Add	2.54
	For >1,000 To 2,500, Add	1.68
	For >2,500 To 4,000, Add	0.87
	For >8,000 To 15,000, Deduct	-0.34
	For >15,000 To 25,000, Deduct	-0.43
	For >25,000, Deduct	-0.61
03 35 43 00-0004	SF Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels .....	1.22
	For Up To 500, Add	2.29
	For >500 To 1,000, Add	2.12
	For >1,000 To 2,500, Add	1.40
	For >2,500 To 4,000, Add	0.73
	For >8,000 To 15,000, Deduct	-0.28
	For >15,000 To 25,000, Deduct	-0.36
	For >25,000, Deduct	-0.51
03 35 43 00-0005	SF Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels.....	1.13
	For Up To 500, Add	2.11
	For >500 To 1,000, Add	1.96
	For >1,000 To 2,500, Add	1.30
	For >2,500 To 4,000, Add	0.68
	For >8,000 To 15,000, Deduct	-0.26
	For >15,000 To 25,000, Deduct	-0.33
	For >25,000, Deduct	-0.47
03 35 43 00-0006	SF Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels .....	1.05
	For Up To 500, Add	1.96
	For >500 To 1,000, Add	1.82
	For >1,000 To 2,500, Add	1.20
	For >2,500 To 4,000, Add	0.63
	For >8,000 To 15,000, Deduct	-0.24
	For >15,000 To 25,000, Deduct	-0.31
	For >25,000, Deduct	-0.43
03 35 43 00-0007	SF Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels .....	1.05
	For Up To 500, Add	1.96
	For >500 To 1,000, Add	1.82
	For >1,000 To 2,500, Add	1.20
	For >2,500 To 4,000, Add	0.63
	For >8,000 To 15,000, Deduct	-0.24
	For >15,000 To 25,000, Deduct	-0.31
	For >25,000, Deduct	-0.43



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Cast-In-Place Concrete</b>	<b>03 30</b>	
<b>Concrete Finishing</b>	<b>03 35</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0008 SF Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels .....	1.05	
For Up To 500, Add	1.96	
For >500 To 1,000, Add	1.82	
For >1,000 To 2,500, Add	1.20	
For >2,500 To 4,000, Add	0.63	
For >8,000 To 15,000, Deduct	-0.24	
For >15,000 To 25,000, Deduct	-0.31	
For >25,000, Deduct	-0.43	
03 35 43 00-0009 SF Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels .....	1.05	
For Up To 500, Add	1.96	
For >500 To 1,000, Add	1.82	
For >1,000 To 2,500, Add	1.20	
For >2,500 To 4,000, Add	0.63	
For >8,000 To 15,000, Deduct	-0.24	
For >15,000 To 25,000, Deduct	-0.31	
For >25,000, Deduct	-0.43	
03 35 43 00-0010 SF High Speed Burnish Concrete Floor With Diamond Pads .....	0.26	
For Up To 500, Add	0.43	
For >500 To 1,000, Add	0.40	
For >1,000 To 2,500, Add	0.26	
For >2,500 To 4,000, Add	0.14	
For >8,000 To 15,000, Deduct	-0.05	
For >15,000 To 25,000, Deduct	-0.07	
For >25,000, Deduct	-0.09	
03 35 43 00-0011 SF Apply 1 Coat Of Concrete Densifier .....	0.49	
For Up To 500, Add	0.52	
For >500 To 1,000, Add	0.49	
For >1,000 To 2,500, Add	0.32	
For >2,500 To 4,000, Add	0.17	
For >8,000 To 15,000, Deduct	-0.06	
For >15,000 To 25,000, Deduct	-0.08	
For >25,000, Deduct	-0.12	
03 35 43 00-0012 SF Apply 2 Coats Of Concrete Densifier With Stain Protector .....	0.83	
For Up To 500, Add	0.78	
For >500 To 1,000, Add	0.72	
For >1,000 To 2,500, Add	0.48	
For >2,500 To 4,000, Add	0.25	
For >8,000 To 15,000, Deduct	-0.10	
For >15,000 To 25,000, Deduct	-0.12	
For >25,000, Deduct	-0.17	
03 35 43 00-0013 SF Concrete Floor Polishing Final Clean Up .....	0.14	
For Up To 500, Add	0.27	
For >500 To 1,000, Add	0.25	
For >1,000 To 2,500, Add	0.17	
For >2,500 To 4,000, Add	0.09	
For >8,000 To 15,000, Deduct	-0.03	
For >15,000 To 25,000, Deduct	-0.04	
For >25,000, Deduct	-0.06	
<b>03 35 43 00-0014 Additional Concrete Floor Polishing Tasks (03 35 43)</b>		
Note: The following tasks are only to be used with concrete floor polishing systems.		
03 35 43 00-0015 SF Removal Of Carpet And Mastic .....	0.85	
03 35 43 00-0016 SF Removal Of VCT And Mastic .....	1.08	
03 35 43 00-0017 SF 8 Mil, 100% Solids, Epoxy Grout Coat .....	1.17	
03 35 43 00-0018 LF Picture Frame Epoxy Boarders .....	6.20	
Note: Includes layout and up to 6" width water based or 100% solids epoxy boarder.		
03 35 43 00-0019 LF Install Cementitious Overlays .....	24.25	
Note: 3/8" overlay for damaged concrete or for decorative work.		
03 35 43 00-0020 LF Up To 1/4" Wide, Joint Fill .....	3.55	
Note: Includes urethane, polyurea or epoxy joint fill material.		
03 35 43 00-0021 LF Up To 1/4" Wide, Joint Replacement .....	6.24	
Note: Includes removing existing joint material and replacing with urethane, polyurea or epoxy joint fill material.		
03 35 43 00-0022 LF Up To 1/4" Wide, Joint Reconstruction .....	38.61	
Note: Includes milling out damaged joint up to 1/2" depth and up to 3" on both sides. Includes rebuilding damaged joint with high impact plastic mortar and cutting new joint.		
03 35 43 00-0023 LF Up To 1/4" Wide, Crack Fill .....	5.16	
Note: Includes urethane, polyurea or epoxy crack fill material.		
03 35 43 00-0024 LF Up To 1/4" Wide, Crack Chase And Fill .....	8.76	
Note: Includes chasing crack and filling crack with urethane, polyurea or epoxy crack fill material.		
03 35 43 00-0025 LF Hand Detail Work/Grinding .....	34.09	
03 35 43 00-0026 SF Dye .....	0.99	
<b>03 35 63 Slip-Resistant Floor Finishing (03 35)</b>		
<b>03 35 63 00-0001 Slip-Resistant Floor Finishing (03 35 63)</b>		
03 35 63 00-0002 SF Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF .....	1.31	
For Up To 100, Add	1.84	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.23	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000, Deduct	-0.09	

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 35</b>	<b>Concrete Finishing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 63 00-0003 SF Silicone Carbide Abrasive Floor Finish 0.25 LB/SF .....	1.20	
For Up To 100, Add	1.84	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.23	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000, Deduct	-0.09	
<b>03 35 66 Acid Etch Floor Finishing (03 35)</b>		
<b>03 35 66 00-0001 Acid Etch Floor (03 35 66)</b>		
03 35 66 00-0002 SF Concrete Floor Finishes, Etch With Acid And Rinse .....	0.90	
For Up To 100, Add	0.88	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.11	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000, Deduct	-0.04	
<b>03 35 83 Concrete Wall Finishing (03 35)</b>		
<b>03 35 83 00-0001 Wall Finishes (03 35 83)</b>		
03 35 83 00-0002 SF Burlap Rub With Grout, New Concrete Wall Finishes .....	1.68	
For Up To 100, Add	3.20	
For >100 To 250, Add	0.80	
For >250 To 500, Add	0.40	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000, Deduct	-0.16	
03 35 83 00-0003 SF 1/16" Float Finish, New Concrete Wall Finishes .....	2.53	
For Up To 100, Add	4.80	
For >100 To 250, Add	1.20	
For >250 To 500, Add	0.60	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000, Deduct	-0.24	
03 35 83 00-0004 SF Etch With Acid And Rinse, New Concrete Wall Finishes .....	0.99	
For Up To 100, Add	1.06	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.13	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000, Deduct	-0.05	
03 35 83 00-0005 SF Bush Hammer Green Concrete, New Concrete Wall Finishes.....	5.12	
For Up To 100, Add	10.16	
For >100 To 250, Add	2.54	
For >250 To 500, Add	1.27	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000, Deduct	-0.51	
03 35 83 00-0006 SF Bush Hammer Cured Concrete, New Concrete Wall Finishes.....	7.92	
For Up To 100, Add	15.68	
For >100 To 250, Add	3.92	
For >250 To 500, Add	1.96	
For >5,000 To 10,000, Deduct	-0.39	
For >10,000, Deduct	-0.78	
03 35 83 00-0007 SF Break Ties And Patch, New Concrete Wall Finishes .....	0.96	
For Up To 100, Add	1.72	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.22	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000, Deduct	-0.09	
03 35 83 00-0008 SF Carborundum Dry Rub, New Concrete Wall Finishes .....	3.29	
For Up To 100, Add	6.38	
For >100 To 250, Add	1.60	
For >250 To 500, Add	0.80	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000, Deduct	-0.32	
03 35 83 00-0009 SF Carborundum Wet Rub, New Concrete Wall Finishes .....	5.03	
For Up To 100, Add	9.86	
For >100 To 250, Add	2.47	
For >250 To 500, Add	1.23	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000, Deduct	-0.49	
03 35 83 00-0010 SF Up To 1/4" Penetration Sand Blasting, New Concrete Wall Finishes.....	5.09	
Note: 4.5 Lbs of sand or abrasive material per SF		
For Up To 100, Add	8.26	
For >100 To 250, Add	2.07	
For >250 To 500, Add	1.03	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000, Deduct	-0.41	
03 35 83 00-0011 SF >1/4" To 1/2" Penetration Sand Blasting, New Concrete Wall Finishes.....	10.17	
Note: 9 Lbs of sand abrasive material per SF		
For Up To 100, Add	16.48	
For >100 To 250, Add	4.12	
For >250 To 500, Add	2.06	
For >5,000 To 10,000, Deduct	-0.41	
For >10,000, Deduct	-0.82	



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Specialty Placed Concrete	03 37	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**03 37 Specialty Placed Concrete** (03 30)

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

**03 37 13 Shotcrete** (03 37)

**03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair** (03 37 13)

03 37 13 00-0002	SF 1" Thick Shotcrete, Fiber Reinforced .....	3.24
	For Up To 25, Add	0.61
	For >25 To 50, Add	0.35
	For >50 To 150, Add	0.14
03 37 13 00-0003	SF 2" Thick Shotcrete, Fiber Reinforced .....	6.11
	For Up To 25, Add	1.12
	For >25 To 50, Add	0.65
	For >50 To 150, Add	0.26
03 37 13 00-0004	SF 3" Thick Shotcrete, Fiber Reinforced .....	8.65
	For Up To 25, Add	1.56
	For >25 To 50, Add	0.89
	For >50 To 150, Add	0.35
03 37 13 00-0005	SF 4" Thick Shotcrete, Fiber Reinforced .....	10.91
	For Up To 25, Add	1.92
	For >25 To 50, Add	1.10
	For >50 To 150, Add	0.41
03 37 13 00-0006	SF 6" Thick Shotcrete, Fiber Reinforced .....	14.79
	For Up To 25, Add	2.49
	For >25 To 50, Add	1.41
	For >50 To 150, Add	0.50

**03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed** (03 37 13)

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37 13 00-0008	SF 1" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	3.54
	For Radius Or Irregular Surface, Add	1.05
	For Up To 25, Add	0.75
	For >25 To 50, Add	0.44
	For >50 To 150, Add	0.20
03 37 13 00-0009	SF 2" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	6.52
	For Radius Or Irregular Surface, Add	1.88
	For Up To 25, Add	1.36
	For >25 To 50, Add	0.80
	For >50 To 150, Add	0.35
03 37 13 00-0010	SF 3" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	9.09
	For Radius Or Irregular Surface, Add	2.54
	For Up To 25, Add	1.86
	For >25 To 50, Add	1.09
	For >50 To 150, Add	0.48
03 37 13 00-0011	SF 4" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	11.28
	For Radius Or Irregular Surface, Add	3.05
	For Up To 25, Add	2.27
	For >25 To 50, Add	1.33
	For >50 To 150, Add	0.57
03 37 13 00-0012	SF 5" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	13.14
	For Radius Or Irregular Surface, Add	3.42
	For Up To 25, Add	2.60
	For >25 To 50, Add	1.51
	For >50 To 150, Add	0.64
03 37 13 00-0013	SF 6" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	14.73
	For Radius Or Irregular Surface, Add	3.70
	For Up To 25, Add	2.86
	For >25 To 50, Add	1.66
	For >50 To 150, Add	0.69
03 37 13 00-0014	SF 8" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	18.41
	For Radius Or Irregular Surface, Add	4.44
	For Up To 25, Add	3.50
	For >25 To 50, Add	2.03
	For >50 To 150, Add	0.83
03 37 13 00-0015	SF 10" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	21.63
	For Radius Or Irregular Surface, Add	4.99
	For Up To 25, Add	4.04
	For >25 To 50, Add	2.33
	For >50 To 150, Add	0.94
03 37 13 00-0016	SF 12" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	24.45
	For Radius Or Irregular Surface, Add	5.39
	For Up To 25, Add	4.47
	For >25 To 50, Add	2.57
	For >50 To 150, Add	1.01

**03 37 16 Pumped Concrete** (03 37)

**03 37 16 00-0001 Concrete Pumping With Boom Truck** (03 37 16)

Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 37</b>	<b>Specialty Placed Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 37 16 00-0002	HR	55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating)	176.54
03 37 16 00-0003	HR	70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	187.90
03 37 16 00-0004	HR	90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	228.92
03 37 16 00-0005	HR	105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	254.46
03 37 16 00-0006	HR	120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	280.81
03 37 16 00-0007	HR	135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	336.63
03 37 16 00-0008	HR	148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	369.93
03 37 16 00-0009	HR	170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating)	450.59
03 37 16 00-0010	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump	123.01

Note: Includes hoses

### 03 39 Concrete Curing <sup>(03 39)</sup>

#### 03 39 13 Water Concrete Curing <sup>(03 39)</sup>

##### 03 39 13 00-0001 Water Concrete Curing <sup>(03 39 13)</sup>

03 39 13 00-0002	SF	Water Based Curing, Sealing, Hardening And Dustproofing Compound	0.33
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Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.

#### 03 39 23 Membrane Concrete Curing <sup>(03 39)</sup>

##### 03 39 23 23 Sheet Membrane Concrete Curing <sup>(03 39 23)</sup>

##### 03 39 23 23-0001 Warm Weather Concrete Curing Blankets <sup>(03 39 23 23)</sup>

03 39 23 23-0002	CSF	Warm Weather Concrete Curing Blankets	29.47
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##### 03 39 23 23-0003 Cold Weather Concrete Curing Blankets <sup>(03 39 23 23)</sup>

03 39 23 23-0004	CSF	Electric, Cold Weather Concrete Curing Blanket	284.53
03 39 23 23-0005	CSF	Non-Electric, Cold Weather Concrete Curing Blanket	34.52

### 03 40 Precast Concrete <sup>(03)</sup>

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Includes the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

#### 03 41 Precast Structural Concrete <sup>(03 41)</sup>

##### 03 41 16 Precast Concrete Slabs <sup>(03 41)</sup>

##### 03 41 16 00-0001 Flat Floor Slab/Floor Plank <sup>(03 41 16)</sup>

##### 03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane <sup>(03 41 16 00-0001)</sup>

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0003	EA	Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane	341.69	273.38
03 41 16 00-0004	EA	Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	379.84	303.82
03 41 16 00-0005	EA	Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	403.33	322.65
03 41 16 00-0006	EA	Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane	427.58	342.08
03 41 16 00-0007	EA	Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	457.58	366.05
03 41 16 00-0008	EA	Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	489.04	391.24
03 41 16 00-0009	EA	Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	525.15	420.09
03 41 16 00-0010	EA	Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	571.15	456.89
03 41 16 00-0011	EA	Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane	621.01	496.87

##### 03 41 16 00-0012 Material Cost <sup>(03 41 16 00-0001)</sup>

Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.

03 41 16 00-0013	SF	4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	29.12
		For 3,500 PSI Concrete, Add	0.58
		For 4,000 PSI Concrete, Add	0.87
		For 4,500 PSI Concrete, Add	1.16
		For 5,000 PSI Concrete, Add	1.75
03 41 16 00-0014	SF	5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	34.95
		For 3,500 PSI Concrete, Add	0.70
		For 4,000 PSI Concrete, Add	1.05
		For 4,500 PSI Concrete, Add	1.40
		For 5,000 PSI Concrete, Add	2.10
03 41 16 00-0015	SF	6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	42.71
		For 3,500 PSI Concrete, Add	0.85
		For 4,000 PSI Concrete, Add	1.28
		For 4,500 PSI Concrete, Add	1.71
		For 5,000 PSI Concrete, Add	2.56
03 41 16 00-0016	SF	8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	56.69
		For 3,500 PSI Concrete, Add	1.13
		For 4,000 PSI Concrete, Add	1.70
		For 4,500 PSI Concrete, Add	2.27
		For 5,000 PSI Concrete, Add	3.40





<b>Concrete</b>	<b>03</b>	<b>CS</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Structural Concrete</b>	<b>03 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>03 41 16 00-0017</b> Floor Units, Combination Beam And Slab <small>(03 41 16)</small>		
<b>03 41 16 00-0018</b> Erection Costs For Using 90 Ton Crawler Crane <small>(03 41 16 00-0017)</small> Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0019 EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane .....	419.30	335.43
03 41 16 00-0020 EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane .....	457.02	365.66
03 41 16 00-0021 EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane .....	505.12	404.05
03 41 16 00-0022 EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane .....	560.88	448.67
03 41 16 00-0023 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane .....	630.48	504.34
 <b>03 41 16 00-0024</b> Erection Costs Using A 125 Ton Crawler Crane <small>(03 41 16 00-0017)</small> Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0025 EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane .....	535.77	428.64
03 41 16 00-0026 EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane .....	583.95	467.13
03 41 16 00-0027 EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane.....	645.42	516.38
03 41 16 00-0028 EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane.....	716.67	573.35
03 41 16 00-0029 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane.....	805.60	644.54
03 41 16 00-0030 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane.....	875.93	700.70
03 41 16 00-0031 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane.....	968.14	774.50
03 41 16 00-0032 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane.....	1,071.52	857.28
03 41 16 00-0033 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane.....	1,212.83	970.27
 <b>03 41 16 00-0034</b> Material Cost <small>(03 41 16 00-0017)</small> Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.		
<b>03 41 16 00-0035</b> 4" Slab <small>(03 41 16 00-0034)</small>		
03 41 16 00-0036 CY Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,067.63	
For 3,500 PSI Concrete, Add	61.35	
For 4,000 PSI Concrete, Add	92.03	
For 4,500 PSI Concrete, Add	122.71	
For 5,000 PSI Concrete, Add	184.06	
03 41 16 00-0037 CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,106.46	
For 3,500 PSI Concrete, Add	62.13	
For 4,000 PSI Concrete, Add	93.19	
For 4,500 PSI Concrete, Add	124.26	
For 5,000 PSI Concrete, Add	186.39	
03 41 16 00-0038 CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	3,494.77	
For 3,500 PSI Concrete, Add	69.90	
For 4,000 PSI Concrete, Add	104.84	
For 4,500 PSI Concrete, Add	139.79	
For 5,000 PSI Concrete, Add	209.69	
 <b>03 41 16 00-0039</b> 5" Slab <small>(03 41 16 00-0034)</small>		
03 41 16 00-0040 CY Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,145.29	
For 3,500 PSI Concrete, Add	62.91	
For 4,000 PSI Concrete, Add	94.36	
For 4,500 PSI Concrete, Add	125.81	
For 5,000 PSI Concrete, Add	188.72	
03 41 16 00-0041 CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,261.78	
For 3,500 PSI Concrete, Add	65.24	
For 4,000 PSI Concrete, Add	97.85	
For 4,500 PSI Concrete, Add	130.47	
For 5,000 PSI Concrete, Add	195.71	
03 41 16 00-0042 CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	4,154.89	
For 3,500 PSI Concrete, Add	83.10	
For 4,000 PSI Concrete, Add	124.65	
For 4,500 PSI Concrete, Add	166.20	
For 5,000 PSI Concrete, Add	249.29	
 <b>03 41 16 00-0043</b> 6" Slab <small>(03 41 16 00-0034)</small>		
03 41 16 00-0044 CY Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,261.78	
For 3,500 PSI Concrete, Add	65.24	
For 4,000 PSI Concrete, Add	97.85	
For 4,500 PSI Concrete, Add	130.47	
For 5,000 PSI Concrete, Add	195.71	
03 41 16 00-0045 CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,883.07	
For 3,500 PSI Concrete, Add	77.66	
For 4,000 PSI Concrete, Add	116.49	
For 4,500 PSI Concrete, Add	155.32	
For 5,000 PSI Concrete, Add	232.98	
03 41 16 00-0046 CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	4,737.35	
For 3,500 PSI Concrete, Add	94.75	
For 4,000 PSI Concrete, Add	142.12	
For 4,500 PSI Concrete, Add	189.49	
For 5,000 PSI Concrete, Add	284.24	

**03 Concrete****03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**03 41 19 Precast Concrete Wall Panels (03 41)**

03 41 19 00-0001

**Structural Wall Panels (03 41 19)**

Note: Gray, smooth form or board finish one side.

03 41 19 00-0002

**Erection Cost Using 50 Ton Hydraulic Crane (03 41 19 00-0001)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0003	EA	Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	340.13	272.12
03 41 19 00-0004	EA	Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	378.10	302.43
03 41 19 00-0005	EA	Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	425.62	340.52
03 41 19 00-0006	EA	Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	455.49	364.37
03 41 19 00-0007	EA	Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	486.80	389.45
03 41 19 00-0008	EA	Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	522.74	418.17
03 41 19 00-0009	EA	Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	568.53	454.80
03 41 19 00-0010	EA	Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	618.17	494.60

03 41 19 00-0011

**Erection Cost Using 90 Ton Crawler Crane (03 41 19 00-0001)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0012	EA	Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	377.19	301.71
03 41 19 00-0013	EA	Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	419.30	335.43
03 41 19 00-0014	EA	Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	472.00	377.66
03 41 19 00-0015	EA	Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	505.12	404.05
03 41 19 00-0016	EA	Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	539.85	431.88
03 41 19 00-0017	EA	Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	579.70	463.79
03 41 19 00-0018	EA	Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane.....	630.48	504.34
03 41 19 00-0019	EA	Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	685.52	548.37
03 41 19 00-0020	EA	Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	757.68	606.19
03 41 19 00-0021	EA	Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	838.60	670.85
03 41 19 00-0022	EA	Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	949.18	759.39
03 41 19 00-0023	EA	Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,079.70	863.75
03 41 19 00-0024	EA	Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane.....	1,251.82	1,001.48

03 41 19 00-0025

**Material Cost (03 41 19 00-0001)**

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

03 41 19 00-0026	SF	4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	38.83	
		For 3,500 PSI Concrete, Add	0.78	
		For 4,000 PSI Concrete, Add	1.16	
		For 4,500 PSI Concrete, Add	1.55	
		For 5,000 PSI Concrete, Add	2.33	
		For White Facing, Add	7.77	
		For Solid White Through Thickness, Add	7.77	
		For Broken Rib Finish, Add	3.88	
		For Fluted Surface, Add	3.88	
		For Exposed Aggregate, Add	7.77	
		For Sandblasting Of Surface, Add	3.88	
		For 2" Polystyrene Insulation, Add	1.15	
03 41 19 00-0027	SF	5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	47.76	
		For 3,500 PSI Concrete, Add	0.96	
		For 4,000 PSI Concrete, Add	1.43	
		For 4,500 PSI Concrete, Add	1.91	
		For 5,000 PSI Concrete, Add	2.87	
		For White Facing, Add	9.55	
		For Solid White Through Thickness, Add	9.55	
		For Broken Rib Finish, Add	4.78	
		For Fluted Surface, Add	4.78	
		For Exposed Aggregate, Add	9.55	
		For Sandblasting Of Surface, Add	4.78	
		For 2" Polystyrene Insulation, Add	1.15	
03 41 19 00-0028	SF	6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	57.47	
		For 3,500 PSI Concrete, Add	1.15	
		For 4,000 PSI Concrete, Add	1.72	
		For 4,500 PSI Concrete, Add	2.30	
		For 5,000 PSI Concrete, Add	3.45	
		For White Facing, Add	11.49	
		For Solid White Through Thickness, Add	11.49	
		For Broken Rib Finish, Add	5.75	
		For Fluted Surface, Add	5.75	
		For Exposed Aggregate, Add	11.49	
		For Sandblasting Of Surface, Add	5.75	
		For 2" Polystyrene Insulation, Add	1.15	



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Structural Concrete</b>	<b>03 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0029 SF 8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	75.72	
For 3,500 PSI Concrete, Add	1.51	
For 4,000 PSI Concrete, Add	2.27	
For 4,500 PSI Concrete, Add	3.03	
For 5,000 PSI Concrete, Add	4.54	
For White Facing, Add	15.14	
For Solid White Through Thickness, Add	15.14	
For Broken Rib Finish, Add	7.57	
For Fluted Surface, Add	7.57	
For Exposed Aggregate, Add	15.14	
For Sandblasting Of Surface, Add	7.57	
For 2" Polystyrene Insulation, Add	1.15	
<b>03 41 19 00-0030 Partition Panels (03 41 19)</b>		
<b>03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane (03 41 19 00-0030)</b>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0032 EA Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane.....	268.69	214.91
03 41 19 00-0033 EA Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane.....	298.68	238.97
03 41 19 00-0034 EA Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane.....	336.22	268.97
03 41 19 00-0035 EA Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane.....	384.55	307.64
03 41 19 00-0036 EA Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane.....	412.94	330.39
03 41 19 00-0037 EA Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane.....	449.12	359.28
03 41 19 00-0038 EA Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane.....	488.33	390.71
03 41 19 00-0039 EA Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane.....	539.73	431.80
<b>03 41 19 00-0040 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0030)</b>		
Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0041 EA Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	340.13	272.12
03 41 19 00-0042 EA Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	378.10	302.43
03 41 19 00-0043 EA Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	425.62	340.52
03 41 19 00-0044 EA Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	486.80	389.45
03 41 19 00-0045 EA Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	522.74	418.17
03 41 19 00-0046 EA Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	568.53	454.80
03 41 19 00-0047 EA Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	618.17	494.60
03 41 19 00-0048 EA Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	683.24	546.56
03 41 19 00-0049 EA Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane.....	756.20	604.98
03 41 19 00-0050 EA Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane.....	855.93	684.69
03 41 19 00-0051 EA Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	973.61	778.89
03 41 19 00-0052 EA Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane.....	1,128.82	903.03
<b>03 41 19 00-0053 Material Cost (03 41 19 00-0030)</b>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0054 SF 4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	36.89	
For 4,000 PSI Concrete, Add	1.11	
For 4,500 PSI Concrete, Add	1.48	
For 5,000 PSI Concrete, Add	2.21	
For White Facing, Add	7.38	
For Solid White Through Thickness, Add	7.38	
For Broken Rib Finish, Add	3.69	
For Fluted Surface, Add	3.69	
For Exposed Aggregate, Add	7.38	
For Sandblasting Of Surface, Add	3.69	
03 41 19 00-0055 SF 5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	45.43	
For 4,000 PSI Concrete, Add	1.36	
For 4,500 PSI Concrete, Add	1.82	
For 5,000 PSI Concrete, Add	2.73	
For White Facing, Add	9.09	
For Solid White Through Thickness, Add	9.09	
For Broken Rib Finish, Add	4.54	
For Fluted Surface, Add	4.54	
For Exposed Aggregate, Add	9.09	
For Sandblasting Of Surface, Add	4.54	
03 41 19 00-0056 SF 6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	54.36	
For 4,000 PSI Concrete, Add	1.63	
For 4,500 PSI Concrete, Add	2.17	
For 5,000 PSI Concrete, Add	3.26	
For White Facing, Add	10.87	
For Solid White Through Thickness, Add	10.87	
For Broken Rib Finish, Add	5.44	
For Fluted Surface, Add	5.44	
For Exposed Aggregate, Add	10.87	
For Sandblasting Of Surface, Add	5.44	

**03 Concrete****03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0057	SF		8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	71.84	
			<i>For 4,000 PSI Concrete, Add</i>	2.16	
			<i>For 4,500 PSI Concrete, Add</i>	2.87	
			<i>For 5,000 PSI Concrete, Add</i>	4.31	
			<i>For White Facing, Add</i>	14.37	
			<i>For Solid White Through Thickness, Add</i>	14.37	
			<i>For Broken Rib Finish, Add</i>	7.18	
			<i>For Fluted Surface, Add</i>	7.18	
			<i>For Exposed Aggregate, Add</i>	14.37	
			<i>For Sandblasting Of Surface, Add</i>	7.18	
<b>03 41 19 00-0058</b>			<b>Cladding Panels</b> <small>(03 41 19)</small>		
<b>03 41 19 00-0059</b>			<b>Erection Costs Using 50 Ton Hydraulic Crane</b> <small>(03 41 19 00-0058)</small>		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0060	EA		Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	358.93	287.09
03 41 19 00-0061	EA		Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	401.49	321.17
03 41 19 00-0062	EA		Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	455.49	364.37
03 41 19 00-0063	EA		Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	486.80	389.45
03 41 19 00-0064	EA		Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	522.74	418.17
03 41 19 00-0065	EA		Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	568.53	454.80
03 41 19 00-0066	EA		Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	618.17	494.60
03 41 19 00-0067	EA		Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	683.24	546.56
<b>03 41 19 00-0068</b>			<b>Erection Costs Using 90 Ton Crawler Crane</b> <small>(03 41 19 00-0058)</small>		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0069	EA		Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	398.04	318.39
03 41 19 00-0070	EA		Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	445.23	356.18
03 41 19 00-0071	EA		Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	505.12	404.05
03 41 19 00-0072	EA		Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	539.85	431.88
03 41 19 00-0073	EA		Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	579.70	463.79
03 41 19 00-0074	EA		Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	630.48	504.34
03 41 19 00-0075	EA		Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane.....	685.52	548.37
03 41 19 00-0076	EA		Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	757.68	606.19
03 41 19 00-0077	EA		Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	838.60	670.85
03 41 19 00-0078	EA		Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	949.18	759.39
03 41 19 00-0079	EA		Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	1,079.70	863.75
03 41 19 00-0080	EA		Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,251.82	1,001.48
<b>03 41 19 00-0081</b>			<b>Material Cost</b> <small>(03 41 19 00-0058)</small>		
			Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 19 00-0082	SF		4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	36.89	
			<i>For 3,500 PSI Concrete, Add</i>	0.74	
			<i>For 4,000 PSI Concrete, Add</i>	1.11	
			<i>For 4,500 PSI Concrete, Add</i>	1.48	
			<i>For 5,000 PSI Concrete, Add</i>	2.21	
			<i>For White Facing, Add</i>	7.38	
			<i>For Solid White Through Thickness, Add</i>	7.38	
			<i>For Broken Rib Finish, Add</i>	3.69	
			<i>For Fluted Surface, Add</i>	3.69	
			<i>For Exposed Aggregate, Add</i>	7.38	
			<i>For Sandblasting Of Surface, Add</i>	3.69	
03 41 19 00-0083	SF		5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	45.43	
			<i>For 3,500 PSI Concrete, Add</i>	0.91	
			<i>For 4,000 PSI Concrete, Add</i>	1.36	
			<i>For 4,500 PSI Concrete, Add</i>	1.82	
			<i>For 5,000 PSI Concrete, Add</i>	2.73	
			<i>For White Facing, Add</i>	9.09	
			<i>For Solid White Through Thickness, Add</i>	9.09	
			<i>For Broken Rib Finish, Add</i>	4.54	
			<i>For Fluted Surface, Add</i>	4.54	
			<i>For Exposed Aggregate, Add</i>	9.09	
			<i>For Sandblasting Of Surface, Add</i>	4.54	
03 41 19 00-0084	SF		6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	54.36	
			<i>For 3,500 PSI Concrete, Add</i>	1.09	
			<i>For 4,000 PSI Concrete, Add</i>	1.63	
			<i>For 4,500 PSI Concrete, Add</i>	2.17	
			<i>For 5,000 PSI Concrete, Add</i>	3.26	
			<i>For White Facing, Add</i>	10.87	
			<i>For Solid White Through Thickness, Add</i>	10.87	
			<i>For Broken Rib Finish, Add</i>	5.44	
			<i>For Fluted Surface, Add</i>	5.44	
			<i>For Exposed Aggregate, Add</i>	10.87	
			<i>For Sandblasting Of Surface, Add</i>	5.44	



<b>Concrete</b>	<b>03</b>	<b>CS</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Structural Concrete</b>	<b>03 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0085 SF 8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	71.84	
For 3,500 PSI Concrete, Add	1.44	
For 4,000 PSI Concrete, Add	2.16	
For 4,500 PSI Concrete, Add	2.87	
For 5,000 PSI Concrete, Add	4.31	
For White Facing, Add	14.37	
For Solid White Through Thickness, Add	14.37	
For Broken Rib Finish, Add	7.18	
For Fluted Surface, Add	7.18	
For Exposed Aggregate, Add	14.37	
For Sandblasting Of Surface, Add	7.18	
<b>03 41 19 00-0086 Sandwich Panel</b> <small>(03 41 19)</small>		
<b>03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane</b> <small>(03 41 19 00-0086)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0088 EA Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane .....	358.93	287.09
03 41 19 00-0089 EA Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane .....	401.49	321.17
03 41 19 00-0090 EA Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane .....	455.49	364.37
03 41 19 00-0091 EA Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane .....	486.80	389.45
03 41 19 00-0092 EA Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane .....	522.74	418.17
03 41 19 00-0093 EA Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane .....	568.53	454.80
03 41 19 00-0094 EA Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane .....	618.17	494.60
03 41 19 00-0095 EA Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane .....	683.24	546.56
<b>03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane</b> <small>(03 41 19 00-0086)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0097 EA Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane .....	360.58	288.41
03 41 19 00-0098 EA Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane .....	403.33	322.65
03 41 19 00-0099 EA Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane .....	457.58	366.05
03 41 19 00-0100 EA Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane .....	489.04	391.24
03 41 19 00-0101 EA Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane .....	525.15	420.09
03 41 19 00-0102 EA Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane .....	571.15	456.89
03 41 19 00-0103 EA Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane .....	621.01	496.87
03 41 19 00-0104 EA Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane .....	686.38	549.07
03 41 19 00-0105 EA Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane .....	759.68	607.76
03 41 19 00-0106 EA Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane .....	859.86	687.84
03 41 19 00-0107 EA Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane .....	978.09	782.47
03 41 19 00-0108 EA Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane .....	1,134.01	907.18
<b>03 41 19 00-0109 Material Cost</b> <small>(03 41 19 00-0086)</small>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.		
03 41 19 00-0110 SF 4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	50.48	
For 3,500 PSI Concrete, Add	1.01	
For 4,000 PSI Concrete, Add	1.51	
For 4,500 PSI Concrete, Add	2.02	
For 5,000 PSI Concrete, Add	3.03	
For White Facing, Add	10.10	
For Solid White Through Thickness, Add	10.10	
For Broken Rib Finish, Add	5.05	
For Fluted Surface, Add	5.05	
For Exposed Aggregate, Add	10.10	
For Sandblasting Of Surface, Add	5.05	
03 41 19 00-0111 SF 5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	59.41	
For 3,500 PSI Concrete, Add	1.19	
For 4,000 PSI Concrete, Add	1.78	
For 4,500 PSI Concrete, Add	2.38	
For 5,000 PSI Concrete, Add	3.56	
For White Facing, Add	11.88	
For Solid White Through Thickness, Add	11.88	
For Broken Rib Finish, Add	5.94	
For Fluted Surface, Add	5.94	
For Exposed Aggregate, Add	11.88	
For Sandblasting Of Surface, Add	5.94	
03 41 19 00-0112 SF 6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	69.12	
For 3,500 PSI Concrete, Add	1.38	
For 4,000 PSI Concrete, Add	2.07	
For 4,500 PSI Concrete, Add	2.76	
For 5,000 PSI Concrete, Add	4.15	
For White Facing, Add	13.82	
For Solid White Through Thickness, Add	13.82	
For Broken Rib Finish, Add	6.91	
For Fluted Surface, Add	6.91	
For Exposed Aggregate, Add	13.82	
For Sandblasting Of Surface, Add	6.91	

<b>03</b>	<b>Concrete</b>
<b>03 40</b>	<b>Precast Concrete</b>
<b>03 41</b>	<b>Precast Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	87.37	
		<i>For 3,500 PSI Concrete, Add</i>	1.75	
		<i>For 4,000 PSI Concrete, Add</i>	2.62	
		<i>For 4,500 PSI Concrete, Add</i>	3.49	
		<i>For 5,000 PSI Concrete, Add</i>	5.24	
		<i>For White Facing, Add</i>	17.47	
		<i>For Solid White Through Thickness, Add</i>	17.47	
		<i>For Broken Rib Finish, Add</i>	8.74	
		<i>For Fluted Surface, Add</i>	8.74	
		<i>For Exposed Aggregate, Add</i>	17.47	
		<i>For Sandblasting Of Surface, Add</i>	8.74	

### 03 41 23 Precast Concrete Stairs (03 41)

#### 03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane (03 41 23)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	378.10	302.43
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	401.49	321.17
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	425.62	340.52
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	455.49	364.37
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	486.80	389.45
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	522.74	418.17
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	568.53	454.80
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	618.17	494.60

#### 03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane (03 41 23)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane.....	378.10	302.43
03 41 23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	401.49	321.17
03 41 23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane.....	425.62	340.52
03 41 23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	455.49	364.37
03 41 23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	486.80	389.45
03 41 23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	522.74	418.17
03 41 23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	568.53	454.80
03 41 23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	618.17	494.60

#### 03 41 23 00-0019 Material Cost (03 41 23)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.

03 41 23 00-0020	EA	3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser.....	778.21	
		<i>For 3,500 PSI Concrete, Add</i>	101.56	
		<i>For 4,000 PSI Concrete, Add</i>	190.82	
		<i>For 4,500 PSI Concrete, Add</i>	280.47	
		<i>For 5,000 PSI Concrete, Add</i>	381.56	

### 03 41 26 Precast Concrete Structural Sections (03 41)

#### 03 41 26 00-0001 Precast Beams, Girder And Joists (03 41 26)

#### 03 41 26 00-0002 Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0003	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane .....	472.00	377.66
03 41 26 00-0004	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane .....	505.12	404.05
03 41 26 00-0005	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane.....	539.85	431.88
03 41 26 00-0006	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane.....	579.70	463.79

#### 03 41 26 00-0007 Erection Costs Using A 125 Ton Crawler Crane (03 41 26 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0008	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane.....	603.10	482.44
03 41 26 00-0009	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane.....	645.42	516.38
03 41 26 00-0010	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane.....	689.79	551.83
03 41 26 00-0011	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane.....	740.72	592.53
03 41 26 00-0012	EA	Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane.....	805.60	644.54
03 41 26 00-0013	EA	Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane.....	875.93	700.70
03 41 26 00-0014	EA	Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane.....	968.14	774.50
03 41 26 00-0015	EA	Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane.....	1,071.52	857.28

#### 03 41 26 00-0016 Material Cost (03 41 26 00-0001)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.

#### 03 41 26 00-0017 1,000 LB/LF Live Load (03 41 26 00-0016)



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Structural Concrete</b>	<b>03 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0018 LF Precast Structural Sections, 1,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	155.62	
For 3,500 PSI Concrete, Add	4.25	
For 4,000 PSI Concrete, Add	6.38	
For 4,500 PSI Concrete, Add	8.50	
For 5,000 PSI Concrete, Add	12.76	
03 41 26 00-0019 LF Precast Structural Sections, 1,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	194.52	
For 3,500 PSI Concrete, Add	5.31	
For 4,000 PSI Concrete, Add	7.98	
For 4,500 PSI Concrete, Add	10.62	
For 5,000 PSI Concrete, Add	15.95	
03 41 26 00-0020 LF Precast Structural Sections, 1,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	233.43	
For 3,500 PSI Concrete, Add	6.37	
For 4,000 PSI Concrete, Add	9.57	
For 4,500 PSI Concrete, Add	12.75	
For 5,000 PSI Concrete, Add	19.14	
<b>03 41 26 00-0021 3,000 LB/LF Live Load</b> <small>(03 41 26 00-0016)</small>		
03 41 26 00-0022 LF Precast Structural Sections, 3,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	194.52	
For 3,500 PSI Concrete, Add	5.31	
For 4,000 PSI Concrete, Add	7.98	
For 4,500 PSI Concrete, Add	10.62	
For 5,000 PSI Concrete, Add	15.95	
03 41 26 00-0023 LF Precast Structural Sections, 3,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	233.43	
For 3,500 PSI Concrete, Add	6.37	
For 4,000 PSI Concrete, Add	9.57	
For 4,500 PSI Concrete, Add	12.75	
For 5,000 PSI Concrete, Add	19.14	
03 41 26 00-0024 LF Precast Structural Sections, 3,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	311.24	
For 3,500 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	12.76	
For 4,500 PSI Concrete, Add	16.99	
For 5,000 PSI Concrete, Add	25.52	
<b>03 41 26 00-0025 5,000 LB/LF Live Load</b> <small>(03 41 26 00-0016)</small>		
03 41 26 00-0026 LF Precast Structural Sections, 5,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	272.33	
For 3,500 PSI Concrete, Add	7.43	
For 4,000 PSI Concrete, Add	11.17	
For 4,500 PSI Concrete, Add	14.87	
For 5,000 PSI Concrete, Add	22.33	
03 41 26 00-0027 LF Precast Structural Sections, 5,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	311.24	
For 3,500 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	12.76	
For 4,500 PSI Concrete, Add	16.99	
For 5,000 PSI Concrete, Add	25.52	
03 41 26 00-0028 LF Precast Structural Sections, 5,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	389.05	
For 3,500 PSI Concrete, Add	10.62	
For 4,000 PSI Concrete, Add	15.95	
For 4,500 PSI Concrete, Add	21.24	
For 5,000 PSI Concrete, Add	31.90	
<b>03 41 26 00-0029 Precast Concrete Columns</b> <small>(03 41 26)</small>		
<b>03 41 26 00-0030 Erection Costs Using A 90 Ton Crawler Crane</b> <small>(03 41 26 00-0029)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031 EA Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane .....	273.59	218.85
03 41 26 00-0032 EA Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane .....	290.88	232.67
03 41 26 00-0033 EA Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane .....	311.74	249.41
03 41 26 00-0034 EA Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane .....	334.39	267.51
03 41 26 00-0035 EA Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane .....	360.58	288.41
03 41 26 00-0036 EA Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane .....	391.24	312.99
03 41 26 00-0037 EA Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane .....	427.58	342.08
<b>03 41 26 00-0038 Material Cost</b> <small>(03 41 26 00-0029)</small>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.		
<b>03 41 26 00-0039 12" x 12" Column, Square, Tied</b> <small>(03 41 26 00-0038)</small>		
03 41 26 00-0040 CY 12" x 12" Precast Column, Tied, Average Reinforced 351 LB/CY .....	805.45	
For 3,500 PSI Concrete, Add	60.41	
For 4,000 PSI Concrete, Add	113.57	
For 4,500 PSI Concrete, Add	167.53	
For 5,000 PSI Concrete, Add	227.94	
<b>03 41 26 00-0041 16" x 16" Column, Square, Tied</b> <small>(03 41 26 00-0038)</small>		
03 41 26 00-0042 CY 16" x 16" Precast Column, Tied, Average Reinforced 368 LB/CY .....	825.34	
For 3,500 PSI Concrete, Add	61.90	
For 4,000 PSI Concrete, Add	116.37	
For 4,500 PSI Concrete, Add	171.67	
For 5,000 PSI Concrete, Add	233.57	

**03 Concrete****03 40 Precast Concrete****03 41 Precast Structural Concrete**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 41 26 00-0043	20" x 20" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0044	CY 20" x 20" Precast Column, Tied, Average Reinforced 357 LB/CY .....	826.93	
	For 3,500 PSI Concrete, Add	62.02	
	For 4,000 PSI Concrete, Add	116.60	
	For 4,500 PSI Concrete, Add	172.00	
	For 5,000 PSI Concrete, Add	234.02	
03 41 26 00-0045	24" x 24" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0046	CY 24" x 24" Precast Column, Tied, Average Reinforced 365 LB/CY .....	826.93	
	For 3,500 PSI Concrete, Add	62.02	
	For 4,000 PSI Concrete, Add	116.60	
	For 4,500 PSI Concrete, Add	172.00	
	For 5,000 PSI Concrete, Add	234.02	
03 41 26 00-0047	28" x 28" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0048	CY 28" x 28" Precast Column, Tied, Average Reinforced 347 LB/CY .....	826.93	
	For 3,500 PSI Concrete, Add	62.02	
	For 4,000 PSI Concrete, Add	116.60	
	For 4,500 PSI Concrete, Add	172.00	
	For 5,000 PSI Concrete, Add	234.02	
03 41 26 00-0049	32" x 32" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0050	CY 32" x 32" Precast Column, Tied, Average Reinforced 351 LB/CY .....	825.34	
	For 3,500 PSI Concrete, Add	61.90	
	For 4,000 PSI Concrete, Add	116.37	
	For 4,500 PSI Concrete, Add	171.67	
	For 5,000 PSI Concrete, Add	233.57	
03 41 26 00-0051	36" x 36" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0052	CY 36" x 36" Precast Column, Tied, Average Reinforced 278 LB/CY .....	826.93	
	For 3,500 PSI Concrete, Add	62.02	
	For 4,000 PSI Concrete, Add	116.60	
	For 4,500 PSI Concrete, Add	172.00	
	For 5,000 PSI Concrete, Add	234.02	
<b>03 41 33</b>	<b>Precast Structural Pretensioned Concrete (03 41)</b>		
03 41 33 00-0001	Slabs, Roof And Floor Members (03 41 33)		
03 41 33 00-0002	SF 4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor .....	16.53	2.20
03 41 33 00-0003	SF 6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor .....	20.58	2.20
03 41 33 00-0004	SF 8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor .....	24.65	2.32
03 41 33 00-0005	SF 10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor .....	28.72	2.42
03 41 33 00-0006	Tee Members (03 41 33)		
03 41 33 00-0007	Multiple Tee, Roof And Floor (03 41 33 00-0006)		
03 41 33 00-0008	SF Prestressed Multiple Tee, Roof And Floor Members .....	37.06	2.87
03 41 33 00-0009	Double Tee Wall Member (03 41 33 00-0006)		
03 41 33 00-0010	SF Prestressed Double Tee Wall Members Precast Concrete, <40' Span .....	52.60	7.82
03 41 33 00-0011	Single Tee, Short Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0012	SF Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span .....	43.61	4.74
03 41 33 00-0013	Single Tee, Long Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0014	SF Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span .....	52.29	4.08
03 41 33 00-0015	Prestressed Concrete Items (03 41 33)		
03 41 33 00-0016	Prestressed Quad Tee (03 41 33 00-0015)		
03 41 33 00-0017	SF Tees, Prestressed Quad Tee, Short Spans, Roof .....	26.80	0.88
03 41 33 00-0018	SF Tees, Prestressed Quad Tee, Short Spans, Floor .....	27.97	0.88
03 41 33 00-0019	Prestressed Double Tee (03 41 33 00-0015)		
03 41 33 00-0020	SF Tees, Double Tee, Floor Members, 60' Span .....	44.52	0.77
03 41 33 00-0021	SF Tees, Double Tee, Floor Members, 80' Span .....	61.30	0.77
03 41 33 00-0022	SF Tees, Double Tee, Roof Members, 30' Span .....	30.41	1.32
03 41 33 00-0023	SF Tees, Double Tee, Roof Members, 50' Span .....	47.08	0.88





<b>Concrete</b>	<b>03</b>	<b>03</b>
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0024 SF Tees, Double Tee, Wall Members, Up To 55' High.....	32.97	1.76
<b>03 41 33 00-0025 Prestressed Single Tee</b> (03 41 33 00-0015)		
03 41 33 00-0026 SF Tees, Single Tee Roof Members, 40' Span .....	52.73	1.98
03 41 33 00-0027 SF Tees, Single Tee Roof Members, 80' Span .....	61.03	1.21
03 41 33 00-0028 SF Tees, Single Tee Roof Members, 100' Span .....	80.73	1.11
03 41 33 00-0029 SF Tees, Single Tee Roof Members, 120' Span .....	85.01	1.11
<b>03 41 33 00-0030 Prestressed Double Tee Floor Members</b> (03 41 33 00-0015)		
03 41 33 00-0031 EA Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45' .....	13,626.14	317.34
03 41 33 00-0032 EA Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50' .....	14,837.48	352.60
03 41 33 00-0033 EA Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60' .....	24,814.58	396.68
03 41 33 00-0034 EA Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25' .....	5,341.18	288.59
03 41 33 00-0035 EA Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25' .....	7,011.43	317.34
03 41 33 00-0036 EA Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35' .....	8,956.93	317.34
03 41 33 00-0037 EA Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45' .....	9,973.73	352.60
03 41 33 00-0038 EA Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50' .....	12,752.46	396.68
03 41 33 00-0039 EA Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60' .....	22,940.18	453.54
<b>03 41 33 00-0040 Prestressed Double Tee Roof Members</b> (03 41 33 00-0015)		
03 41 33 00-0041 EA Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45' .....	10,707.89	317.34
03 41 33 00-0042 EA Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50' .....	14,059.28	352.60
03 41 33 00-0043 EA Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60' .....	23,063.63	396.68
03 41 33 00-0044 EA Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30' .....	7,169.95	288.59
03 41 33 00-0045 EA Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30' .....	7,556.17	317.34
03 41 33 00-0046 EA Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30' .....	8,373.28	317.34
03 41 33 00-0047 EA Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40' .....	8,611.87	352.60
03 41 33 00-0048 EA Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50' .....	11,390.61	396.68
03 41 33 00-0049 EA Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60' .....	19,632.82	453.54
<b>03 41 33 00-0050 Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab</b> (03 41 33)		
03 41 33 00-0051 SF Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete .....	28.30	
03 41 33 00-0052 SF Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete .....	29.48	
03 41 33 00-0053 SF Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete .....	30.85	
03 41 33 00-0054 SF Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete .....	31.88	
03 41 33 00-0055 SF Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete .....	34.07	
<b>03 41 33 00-0056 Double And Single Tees</b> (03 41 33)		
<b>03 41 33 00-0057 Double And Single Tees With 16" Roof And Floor Loading</b> (03 41 33 00-0056)		
03 41 33 00-0058 SF Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete .....	34.22	
03 41 33 00-0059 SF Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete .....	33.41	
03 41 33 00-0060 SF Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete .....	31.55	
03 41 33 00-0061 SF Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete .....	34.22	
03 41 33 00-0062 SF Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete .....	34.11	
03 41 33 00-0063 SF Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete .....	52.43	
03 41 33 00-0064 SF Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete .....	51.27	
03 41 33 00-0065 SF Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete .....	48.01	
03 41 33 00-0066 SF Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete .....	52.43	
03 41 33 00-0067 SF Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete .....	49.17	
<b>03 41 33 00-0068 Double And Single Tees With 24" Roof And Floor Loading</b> (03 41 33 00-0056)		
03 41 33 00-0069 SF Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete .....	35.27	
03 41 33 00-0070 SF Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete .....	34.46	
03 41 33 00-0071 SF Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete .....	33.30	
03 41 33 00-0072 SF Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete .....	35.27	
03 41 33 00-0073 SF Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete .....	34.11	
03 41 33 00-0074 SF Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete .....	53.83	
03 41 33 00-0075 SF Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete .....	52.67	
03 41 33 00-0076 SF Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete .....	50.81	
03 41 33 00-0077 SF Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete .....	53.83	
03 41 33 00-0078 SF Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete .....	52.32	
<b>03 41 33 00-0079 Double And Single Tees With 32" Roof And Floor Loading</b> (03 41 33 00-0056)		
03 41 33 00-0080 SF Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete .....	37.21	
03 41 33 00-0081 SF Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete .....	36.03	
03 41 33 00-0082 SF Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete .....	34.86	
03 41 33 00-0083 SF Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete .....	57.17	
03 41 33 00-0084 SF Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete .....	55.29	
03 41 33 00-0085 SF Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete .....	53.07	

<b>03</b>	<b>Concrete</b>
<b>03 40</b>	<b>Precast Concrete</b>
<b>03 48</b>	<b>Precast Concrete Specialties</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

### 03 48 Precast Concrete Specialties (03 40)

#### 03 48 16 Precast Concrete Splash Blocks (03 48)

##### 03 48 16 00-0001 Precast Concrete Splash Blocks (03 48 16)

03 48 16 00-0002 EA Precast Concrete Splash Blocks, 20" x 12" x 3" .....36.16 3.57

#### 03 48 21 Precast Concrete Handrails (03 48)

##### 03 48 21 00-0001 Installation Cost (03 48 21)

Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.

03 48 21 00-0002 EA Install Precast Handrails, 0-2 Ton/Handrail.....152.82 68.79  
03 48 21 00-0003 EA Install Precast Handrails, Over 2 Ton/Handrail .....183.27 82.44

##### 03 48 21 00-0004 Material Cost (03 48 21)

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.

03 48 21 00-0005 CY 4" Thick 3,000 PSI Concrete Precast Concrete Handrail.....3,074.00  
For 3,500 PSI Concrete, Add 200.58  
For 4,000 PSI Concrete, Add 376.87  
For 4,500 PSI Concrete, Add 553.93  
For 5,000 PSI Concrete, Add 753.59  
03 48 21 00-0006 CY 5" Thick 3,000 PSI Concrete Precast Concrete Handrail.....3,190.73  
For 3,500 PSI Concrete, Add 208.20  
For 4,000 PSI Concrete, Add 391.18  
For 4,500 PSI Concrete, Add 574.97  
For 5,000 PSI Concrete, Add 782.21  
03 48 21 00-0007 CY 6" Thick 3,000 PSI Concrete Precast Concrete Handrail.....3,307.46  
For 3,500 PSI Concrete, Add 215.81  
For 4,000 PSI Concrete, Add 405.49  
For 4,500 PSI Concrete, Add 596.00  
For 5,000 PSI Concrete, Add 810.82  
03 48 21 00-0008 CY 8" Thick 3,000 PSI Concrete Precast Concrete Handrail.....3,463.11  
For 3,500 PSI Concrete, Add 225.97  
For 4,000 PSI Concrete, Add 424.58  
For 4,500 PSI Concrete, Add 624.05  
For 5,000 PSI Concrete, Add 848.98

#### 03 48 22 Precast Concrete Sun Screen and Trellis (03 48)

##### 03 48 22 00-0001 Sun Screen Blades (03 48 22)

##### 03 48 22 00-0002 Installation Cost (03 48 22 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.

03 48 22 00-0003 EA Install Precast Sun Screen Blade, 0-1 Ton/Each.....76.41 34.40  
03 48 22 00-0004 EA Install Precast Sun Screen Blade, 1-2 Ton/Each .....91.79 41.28  
03 48 22 00-0005 EA Install Precast Sun Screen Blade, 2-3 Ton/Each .....114.70 51.65

##### 03 48 22 00-0006 Material Cost (03 48 22 00-0001)

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 22 00-0007 CY 4" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....3,268.55  
For 3,500 PSI Concrete, Add 213.27  
For 4,000 PSI Concrete, Add 400.72  
For 4,500 PSI Concrete, Add 588.99  
For 5,000 PSI Concrete, Add 801.29  
03 48 22 00-0008 CY 5" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....3,385.29  
For 3,500 PSI Concrete, Add 220.89  
For 4,000 PSI Concrete, Add 415.04  
For 4,500 PSI Concrete, Add 610.03  
For 5,000 PSI Concrete, Add 829.90  
03 48 22 00-0009 CY 6" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....3,540.93  
For 3,500 PSI Concrete, Add 231.05  
For 4,000 PSI Concrete, Add 434.12  
For 4,500 PSI Concrete, Add 638.08  
For 5,000 PSI Concrete, Add 868.06  
03 48 22 00-0010 CY 8" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....3,696.58  
For 3,500 PSI Concrete, Add 241.20  
For 4,000 PSI Concrete, Add 453.20  
For 4,500 PSI Concrete, Add 666.12  
For 5,000 PSI Concrete, Add 906.22

##### 03 48 22 00-0011 Sun Screen/Trellis Units (03 48 22)

##### 03 48 22 00-0012 Installation Cost Using A 50 Ton Hydraulic Crane (03 48 22 00-0011)

Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.

03 48 22 00-0013 EA Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane .....358.93 161.49  
03 48 22 00-0014 EA Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane .....401.49 180.73  
03 48 22 00-0015 EA Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane .....455.49 204.95  
03 48 22 00-0016 EA Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane .....486.80 219.07



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Concrete Specialties</b>	<b>03 48</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>03 48 22 00-0017</b> <b>Material Cost</b> <small>(03 48 22 00-0017)</small>		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018    CY    4" Thick 3,000 PSI Concrete Precast Trellises Blades .....	3,774.40	
For 3,500 PSI Concrete, Add	246.28	
For 4,000 PSI Concrete, Add	462.74	
For 4,500 PSI Concrete, Add	680.15	
For 5,000 PSI Concrete, Add	925.29	
03 48 22 00-0019    CY    5" Thick 3,000 PSI Concrete Precast Trellises Blades .....	3,891.13	
For 3,500 PSI Concrete, Add	253.90	
For 4,000 PSI Concrete, Add	477.05	
For 4,500 PSI Concrete, Add	701.18	
For 5,000 PSI Concrete, Add	953.91	
03 48 22 00-0020    CY    6" Thick 3,000 PSI Concrete Precast Trellises Blades .....	4,046.78	
For 3,500 PSI Concrete, Add	264.05	
For 4,000 PSI Concrete, Add	496.14	
For 4,500 PSI Concrete, Add	729.23	
For 5,000 PSI Concrete, Add	992.07	
03 48 22 00-0021    CY    8" Thick 3,000 PSI Concrete Precast Trellises Blades .....	4,241.34	
For 3,500 PSI Concrete, Add	276.75	
For 4,000 PSI Concrete, Add	519.99	
For 4,500 PSI Concrete, Add	764.29	
For 5,000 PSI Concrete, Add	1,039.76	
 <b>03 48 24</b> <b>Precast Minaret Segments</b> <small>(03 48)</small>		
<b>03 48 24 00-0001</b> <b>Installation Costs Using A 50 Ton Hydraulic Crane</b> <small>(03 48 24)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
<b>03 48 24 00-0002</b> <b>L - Shaped Segments</b> <small>(03 48 24 00-0001)</small>		
03 48 24 00-0003    EA    Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane .....	349.28	279.43
03 48 24 00-0004    EA    Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane .....	391.40	313.14
03 48 24 00-0005    EA    Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane .....	442.55	354.03
03 48 24 00-0006    EA    Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane .....	472.05	377.63
 <b>03 48 24 00-0007</b> <b>O - Shaped Segments</b> <small>(03 48 24 00-0001)</small>		
03 48 24 00-0008    EA    Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane .....	369.14	295.37
03 48 24 00-0009    EA    Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane .....	414.31	331.39
03 48 24 00-0010    EA    Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane .....	469.21	375.32
03 48 24 00-0011    EA    Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane .....	502.51	401.98
 <b>03 48 24 00-0012</b> <b>Platform Segment</b> <small>(03 48 24 00-0001)</small>		
03 48 24 00-0013    EA    Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane .....	708.08	566.52
03 48 24 00-0014    EA    Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane .....	855.93	684.69
03 48 24 00-0015    EA    Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane .....	949.86	759.90
03 48 24 00-0016    EA    Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane .....	1,066.97	853.62
 <b>03 48 24 00-0017</b> <b>Cap Segment</b> <small>(03 48 24 00-0001)</small>		
03 48 24 00-0018    EA    Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane .....	387.50	309.97
03 48 24 00-0019    EA    Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane .....	432.72	346.12
03 48 24 00-0020    EA    Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane .....	492.97	394.32
03 48 24 00-0021    EA    Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane .....	526.28	420.96
 <b>03 48 24 00-0022</b> <b>Installation Costs Using A 90 Ton Crawler Crane</b> <small>(03 48 24)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
<b>03 48 24 00-0023</b> <b>L - Shaped Segments</b> <small>(03 48 24 00-0022)</small>		
03 48 24 00-0024    EA    Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	350.88	280.72
03 48 24 00-0025    EA    Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	393.20	314.58
03 48 24 00-0026    EA    Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	444.59	355.66
03 48 24 00-0027    EA    Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane .....	474.22	379.37
 <b>03 48 24 00-0028</b> <b>O - Shaped Segment</b> <small>(03 48 24 00-0022)</small>		
03 48 24 00-0029    EA    Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	370.84	296.73
03 48 24 00-0030    EA    Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	416.21	332.92
03 48 24 00-0031    EA    Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	471.37	377.05
03 48 24 00-0032    EA    Install Minaret, O-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane .....	504.82	403.83
 <b>03 48 24 00-0033</b> <b>Platform Segment</b> <small>(03 48 24 00-0022)</small>		
03 48 24 00-0034    EA    Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	567.01	453.59
03 48 24 00-0035    EA    Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	686.38	549.07
03 48 24 00-0036    EA    Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	759.68	607.76
03 48 24 00-0037    EA    Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane .....	859.86	687.84

**03 Concrete****03 40 Precast Concrete****03 48 Precast Concrete Specialties**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
03 48 24 00-0038		<b>Cap Segment</b> <small>(03 48 24 00-0022)</small>			
03 48 24 00-0039	EA	Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	389.29		311.40
03 48 24 00-0040	EA	Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	434.71		347.71
03 48 24 00-0041	EA	Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	495.24		396.13
03 48 24 00-0042	EA	Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane .....	528.70		422.90
03 48 24 00-0043		<b>Material Costs</b> <small>(03 48 24)</small>			
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.			
03 48 24 00-0044	CY	Precast Concrete Minaret, L-Shaped Segments, 3,000 PSI Concrete.....	9,338.20		
		Note: Including Post Tension Cost			
03 48 24 00-0045	CY	Precast Concrete Minaret, O-Shaped Segments, 3,000 PSI Concrete.....	9,338.20		
		Note: Including Post Tension Cost			
03 48 24 00-0046	CY	Precast Concrete Minaret, Platform Segments, 3,000 PSI Concrete.....	9,338.20		
		Note: Including Post Tension Cost			
03 48 24 00-0047	CY	Precast Concrete Minaret, Cap Segments, 3,000 PSI Concrete .....	9,338.20		
		Note: Including Post Tension Cost			
<b>03 48 29</b>		<b>Precast Accessories</b> <small>(03 48)</small>			
		Note: Includes installation labor, material and equipment.			
03 48 29 00-0001		<b>Bearing Pads For Precast Members</b> <small>(03 48 29)</small>			
03 48 29 00-0002		<b>Continuous 2" Wide Strips</b> <small>(03 48 29 00-0001)</small>			
03 48 29 00-0003	LF	Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips .....	1.18		
		Note: For precast members			
03 48 29 00-0004	LF	Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips .....	1.64		
		Note: For precast members.			
03 48 29 00-0005	LF	Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips .....	2.65		
		Note: For precast members			
03 48 29 00-0006	LF	Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips .....	3.69		
		Note: For precast members			
03 48 29 00-0007	LF	Bearing Pads, Continuous 2" Wide x 1" Thick Strips .....	4.77		
		Note: For precast members			
03 48 29 00-0008	LF	Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips .....	6.83		
		Note: For precast members			
03 48 29 00-0009		<b>Bearing Pad Pipe Supports</b> <small>(03 48 29)</small>			
03 48 29 00-0010	LF	4" x 4" Precast Pipe Support.....	8.26		
<b>03 48 46</b>		<b>Precast Skylight Shells</b> <small>(03 48)</small>			
03 48 46 00-0001		<b>Installation Cost Using A 90 Ton Crawler Crane</b> <small>(03 48 46)</small>			
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.			
03 48 46 00-0002	EA	Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane.....	505.12		227.34
03 48 46 00-0003	EA	Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane.....	560.88		252.40
03 48 46 00-0004	EA	Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane.....	630.48		283.72
03 48 46 00-0005		<b>Material Cost</b> <small>(03 48 46)</small>			
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.			
03 48 46 00-0006	CY	3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius .....	3,906.81		
<b>03 48 49</b>		<b>Precast Landings</b> <small>(03 48)</small>			
03 48 49 00-0001	SF	3" Thick Precast Landing .....	96.31		
03 48 49 00-0002	SF	4" Thick Precast Landing .....	112.37		
03 48 49 00-0003	SF	5" Thick Precast Landing .....	127.57		
03 48 49 00-0004	SF	6" Thick Precast Landing .....	147.04		
<b>03 48 54</b>		<b>Precast Concrete Blocks</b> <small>(03 48)</small>			
03 48 54 00-0001		<b>Precast Concrete Blocks</b> <small>(03 48 54)</small>			
03 48 54 00-0002	EA	2' x 2' x 2' Precast Concrete Block.....	129.08		39.72
03 48 54 00-0003	EA	2' x 2' x 4' Precast Concrete Block.....	179.97		49.65
03 48 54 00-0004	EA	2' x 2' x 8' Precast Concrete Block.....	285.50		59.59
03 50		<b>Cast Decks and Underlayment</b> <small>(03)</small>			
03 51		<b>Cast Roof Decks</b> <small>(03 50)</small>			
<b>03 51 13</b>		<b>Cementitious Wood Fiber Decks</b> <small>(03 51)</small>			
03 51 13 00-0001		<b>Cement Fiber Tongue And Groove Planks</b> <small>(03 51 13)</small>			
03 51 13 00-0002	SF	1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System .....	3.42		
03 51 13 00-0003	SF	1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System .....	3.54		
03 51 13 00-0004	SF	2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System .....	3.71		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				03 51 13 00-0005 SF 2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System.....	4.18	
				03 51 13 00-0006 SF 3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System.....	4.70	
				03 51 13 00-0007 SF 3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System.....	5.31	
				03 51 13 00-0008 SF 4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System.....	6.03	
<b>03 51 16 Gypsum Concrete Roof Decks (03 51)</b>						
<b>03 51 16 00-0001 Class A Gypsum Fill Concrete Deck (03 51 16)</b>						
				03 51 16 00-0002 SF 2" Thick Precast Gypsum Fill Concrete Deck, Class A.....	10.75	0.53
				03 51 16 00-0003 SF 2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A.....	13.32	0.61
				03 51 16 00-0004 SF 3" Thick Precast Gypsum Fill Concrete Deck, Class A.....	15.92	0.70
				03 51 16 00-0005 SF 3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A.....	18.53	0.78
				03 51 16 00-0006 SF 4" Thick Precast Gypsum Fill Concrete Deck, Class A.....	21.16	0.88
<b>03 51 16 00-0007 Form Board For Lightweight Deck (03 51 16)</b>						
				03 51 16 00-0008 SF Gypsum Deck Form Board, 1/2" Drywall For Lightweight Deck.....	2.20	
				03 51 16 00-0009 SF Gypsum Deck Form Board, 1" Mineral Fiber Board For Lightweight Deck.....	2.97	
				03 51 16 00-0010 SF Gypsum Deck Form Board, 1-1/2" Mineral Fiber Board For Lightweight Deck.....	6.19	
				03 51 16 00-0011 SF Gypsum Deck Form Board, 1" Cementitious Fiber Board For Lightweight Deck.....	2.45	0.57
				03 51 16 00-0012 SF Gypsum Deck Form Board, 1-1/2" Cementitious Fiber Board For Lightweight Deck.....	2.98	0.57
				03 51 16 00-0013 SF Gypsum Deck Form Board, 1" Glass Fiber Board For Lightweight Deck.....	3.33	0.57
				03 51 16 00-0014 SF Gypsum Deck Form Board, 1-1/2" Glass Fiber Board For Lightweight Deck.....	4.13	0.57
<b>03 51 16 00-0015 Gypsum Plank (03 51 16)</b>						
				03 51 16 00-0016 SF 2" Thick, Insulating Concrete Gypsum Plank, Roof Deck.....	3.56	
				03 51 16 00-0017 SF 3" Thick, Insulating Concrete Gypsum Plank, Roof Deck.....	4.65	
<b>03 53 Concrete Topping (03 50)</b>						
Note: Installed over new or existing concrete.						
<b>03 53 14 Granolithic Concrete Topping (03 53)</b>						
<b>03 53 14 00-0001 Granolithic Topping Laid After (03 53 14)</b>						
Note: Using 1:1:1-1/2 mix.						
				03 53 14 00-0002 SF 1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	4.01	
				03 53 14 00-0003 SF 1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	4.33	
				03 53 14 00-0004 SF 2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	5.41	
<b>03 53 19 Concrete Overlayment (03 53)</b>						
<b>03 53 19 00-0001 Integral Topping Including Hard Trowel Finish (03 53 19)</b>						
Note: Using 1:1:2 mix.						
				03 53 19 00-0002 SF 3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.38	
				03 53 19 00-0003 SF 1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.67	
				03 53 19 00-0004 SF 3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	3.11	
				03 53 19 00-0005 SF 1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	3.68	
				03 53 19 00-0006 SF 2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	5.18	
				03 53 19 00-0007 SF 2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	4.39	
				03 53 19 00-0008 SF 3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	4.90	
<b>03 54 Cast Underlayment (03 50)</b>						
Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).						
<b>03 54 16 Hydraulic Cement Underlayment (03 54)</b>						
<b>03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors (03 54 16)</b>						
Note: Includes primer.						
				03 54 16 00-0002 SF 1/8" Thick Self Leveling Cementitious Underlayment For Floors.....	1.51	
				Note: Including Surface Preparation		
				For Up To 100 SF, Add	0.14	
				For >100 To 250 SF, Add	0.07	
				03 54 16 00-0003 SF 1/4" Thick Self Leveling Cementitious Underlayment For Floors.....	2.54	
				Note: Including Surface Preparation		
				For Up To 100 SF, Add	0.14	
				For >100 To 250 SF, Add	0.07	
				03 54 16 00-0004 SF 3/8" Thick Self Leveling Cementitious Underlayment For Floors.....	3.22	
				Note: Including Surface Preparation		
				For Up To 100 SF, Add	0.14	
				For >100 To 250 SF, Add	0.07	
				03 54 16 00-0005 SF 1/2" Thick Self Leveling Cementitious Underlayment For Floors.....	4.60	
				Note: Including Surface Preparation		
				For Up To 100 SF, Add	0.14	
				For >100 To 250 SF, Add	0.07	
				03 54 16 00-0006 SF 5/8" Thick Self Leveling Cementitious Underlayment For Floors.....	5.42	
				Note: Including Surface Preparation		
				For Up To 100 SF, Add	0.14	
				For >100 To 250 SF, Add	0.07	

**03 Concrete****03 50 Cast Decks and Underlayment****03 54 Cast Underlayment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 54 16 00-0007	SF		3/4" Thick Self Leveling Cementitious Underlayment For Floors .....6.70 Note: Including Surface Preparation		
			For Up To 100 SF, Add	0.16	
			For >100 To 250 SF, Add	0.08	
03 54 16 00-0008	SF		1" Thick Self Leveling Cementitious Underlayment For Floors .....8.76 Note: Including Surface Preparation		
			For Up To 100 SF, Add	0.16	
			For >100 To 250 SF, Add	0.08	
03 54 16 00-0009	SF		1-1/4" Thick Self Leveling Cementitious Underlayment For Floors .....11.54 Note: Including Surface Preparation		
			For Up To 100 SF, Add	0.18	
			For >100 To 250 SF, Add	0.09	
03 54 16 00-0010	SF		1-1/2" Thick Self Leveling Cementitious Underlayment For Floors .....12.93 Note: Including Surface Preparation		
			For Up To 100 SF, Add	0.18	
			For >100 To 250 SF, Add	0.09	
03 54 16 00-0011	SF		1-3/4" Thick Self Leveling Cementitious Underlayment For Floors .....17.14 Note: Including Surface Preparation		
			For Up To 100 SF, Add	0.22	
			For >100 To 250 SF, Add	0.11	

**03 60 Grouting (03)****03 61 Cementitious Grouting (03 60)**

Note: 1 part cement to 3 parts sand by volume.

**03 61 16 Cementitious Flowable Grout (03 61)****03 61 16 00-0001 Cementitious Flowable Grout (03 61 16)**

03 61 16 00-0002 CY Cementitious Flowable Grout.....410.73

**03 62 Non-Shrink Grouting (03 60)****03 62 13 Non-Metallic Non-Shrink Grouting (03 62)****03 62 13 00-0001 Fluid Type, Non-Metallic Non-Shrink Grouting For Bases (03 62 13)**03 62 13 00-0002 SF 1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases .....24.11  
03 62 13 00-0003 SF 2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases .....35.29**03 62 13 00-0004 Non-Metallic Non-Shrink Grouting For Bases (03 62 13)**03 62 13 00-0005 SF 1" Deep, Non-Metallic Non-Shrink Grout For Bases .....36.75  
03 62 13 00-0006 SF 2" Deep, Non-Metallic Non-Shrink Grout For Bases .....58.40**03 62 13 00-0007 Non-Metallic Non-Shrink Grouting For Joints (03 62 13)****03 62 13 00-0008 1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints (03 62 13 00-0007)**03 62 13 00-0009 LF 4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints .....1.93  
03 62 13 00-0010 LF 6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints .....2.52  
03 62 13 00-0011 LF 8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints .....3.34**03 62 13 00-0012 1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints (03 62 13 00-0007)**03 62 13 00-0013 LF 4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints .....2.83  
03 62 13 00-0014 LF 6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints .....3.75  
03 62 13 00-0015 LF 8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints .....4.98**03 62 16 Metallic Non-Shrink Grouting (03 62)****03 62 16 00-0001 Metallic Non-Shrink Grouting For Bases (03 62 16)**03 62 16 00-0002 SF 1" Deep, Metallic Non-Shrink Grout For Bases .....31.50  
03 62 16 00-0003 SF 2" Deep, Metallic Non-Shrink Grout For Bases .....48.22**03 62 16 00-0004 Metallic Non-Shrink Grouting For Joints (03 62 16)****03 62 16 00-0005 1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints (03 62 16 00-0004)**03 62 16 00-0006 LF 4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints .....1.60  
03 62 16 00-0007 LF 6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints .....2.03  
03 62 16 00-0008 LF 8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints .....2.70**03 62 16 00-0009 1" Joint Thickness, Metallic Non-Shrink Grout For Joints (03 62 16 00-0004)**03 62 16 00-0010 LF 4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints .....2.19  
03 62 16 00-0011 LF 6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints .....2.76  
03 62 16 00-0012 LF 8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints .....3.68



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Grouting</b>	<b>03 60</b>	
<b>Injection Grouting</b>	<b>03 64</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**03 64 Injection Grouting** (03 60)

Note: By volume of void filled. Includes injection ports.

**03 64 23 Epoxy Injection Grouting** (03 64)

**03 64 23 00-0001 Pressure Injected Epoxy Grout** (03 64 23)

03 64 23 00-0002 CF Pressure Injected Epoxy Grout..... 1,236.91  
For >4, Deduct -130.93

**03 64 26 Cementitious Injection Grouting** (03 64)

**03 64 26 00-0001 Pressure Injected Cementitious Grout** (03 64 26)

03 64 26 00-0002 CF Pressure Injected Cementitious Grout..... 215.85  
For >4, Deduct -56.17

**03 80 Concrete Cutting and Boring** (03)

**03 81 Concrete Cutting** (03 80)

**03 81 13 Flat Concrete Sawing** (03 81)

See CSI section 02 41 19 13-0001 for saw cutting.

**03 81 16 Track Mounted Concrete Wall Sawing** (03 81)

See CSI section 02 41 19 13-0001 for saw cutting.

**03 82 Concrete Boring** (03 80)

**03 82 13 Concrete Core Drilling** (03 82)

See CSI section 02 41 19 13-0024 for core drilling.

**END OF SECTION 03**

03	<b>03 Concrete</b>
	03 80 Concrete Cutting and Boring
	03 82 Concrete Boring




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MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 04 Masonry

### 04 01 Maintenance of Masonry <sup>(04)</sup>

#### 04 01 20 Maintenance of Unit Masonry <sup>(04 01)</sup>

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

#### 04 01 20 41 Unit Masonry Stabilization <sup>(04 01 20)</sup>

04 01 20 41-0001 Unit Masonry Stabilization (Helifix®) <sup>(04 01 20 41)</sup>

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) <sup>(04 01 20 41-0001)</sup>

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) <sup>(04 01 20 41-0002)</sup>

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	22.13
		For Up To 10, Add	10.51
		For >10 To 50, Add	5.26
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	31.26
		For Up To 10, Add	10.51
		For >10 To 50, Add	5.26
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	41.17
		For Up To 10, Add	10.51
		For >10 To 50, Add	5.26

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) <sup>(04 01 20 41-0002)</sup>

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	24.11
		For Up To 10, Add	10.51
		For >10 To 50, Add	5.26
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	34.77
		For Up To 10, Add	10.51
		For >10 To 50, Add	5.26
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	46.44
		For Up To 10, Add	10.51
		For >10 To 50, Add	5.26

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) <sup>(04 01 20 41-0001)</sup>

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) <sup>(04 01 20 41-0011)</sup>

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	61.13
		For Up To 10, Add	42.05
		For >10 To 50, Add	21.03
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	66.31
		For Up To 10, Add	42.05
		For >10 To 50, Add	21.03
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	186.62
		For Up To 10, Add	42.05
		For >10 To 50, Add	21.03
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	61.13
		For Up To 10, Add	42.05
		For >10 To 50, Add	21.03
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	66.31
		For Up To 10, Add	42.05
		For >10 To 50, Add	21.03
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	72.21
		For Up To 10, Add	42.05
		For >10 To 50, Add	21.03
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	83.30
		For Up To 10, Add	42.05
		For >10 To 50, Add	21.03
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	186.62
		For Up To 10, Add	42.05
		For >10 To 50, Add	21.03



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 01 20 41-0021	<b>316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar)</b> <small>(04 01 20 41-0011)</small>	
04 01 20 41-0022	EA 4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	63.95
	For Up To 10, Add .....	42.05
	For >10 To 50, Add .....	21.03
04 01 20 41-0023	EA 4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	70.08
	For Up To 10, Add .....	42.05
	For >10 To 50, Add .....	21.03
04 01 20 41-0024	EA 4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	210.15
	For Up To 10, Add .....	42.05
	For >10 To 50, Add .....	21.03
04 01 20 41-0025	EA 6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	63.95
	For Up To 10, Add .....	42.05
	For >10 To 50, Add .....	21.03
04 01 20 41-0026	EA 6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	70.08
	For Up To 10, Add .....	42.05
	For >10 To 50, Add .....	21.03
04 01 20 41-0027	EA 6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	76.92
	For Up To 10, Add .....	42.05
	For >10 To 50, Add .....	21.03
04 01 20 41-0028	EA 6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	89.89
	For Up To 10, Add .....	42.05
	For >10 To 50, Add .....	21.03
04 01 20 41-0029	EA 6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	210.15
	For Up To 10, Add .....	42.05
	For >10 To 50, Add .....	21.03
04 01 20 41-0030	<b>Mechanical Repair Anchors (Helifix® TorkFix)</b> <small>(04 01 20 41-0001)</small>	
	Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.	
04 01 20 41-0031	<b>304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix)</b> <small>(04 01 20 41-0030)</small>	
04 01 20 41-0032	EA 4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	11.32
	For Up To 10, Add .....	6.31
	For >10 To 50, Add .....	3.16
04 01 20 41-0033	EA 5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	12.25
	For Up To 10, Add .....	6.31
	For >10 To 50, Add .....	3.16
04 01 20 41-0034	EA 6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	13.18
	For Up To 10, Add .....	6.31
	For >10 To 50, Add .....	3.16
04 01 20 41-0035	EA 7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	14.11
	For Up To 10, Add .....	6.31
	For >10 To 50, Add .....	3.16
04 01 20 41-0036	EA 8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	15.04
	For Up To 10, Add .....	6.31
	For >10 To 50, Add .....	3.16
04 01 20 41-0037	EA 9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	15.97
	For Up To 10, Add .....	6.31
	For >10 To 50, Add .....	3.16
04 01 20 41-0038	EA 4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	11.32
	For Up To 10, Add .....	6.31
	For >10 To 50, Add .....	3.16
04 01 20 41-0039	EA 5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	12.25
	For Up To 10, Add .....	6.31
	For >10 To 50, Add .....	3.16
04 01 20 41-0040	EA 6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	13.18
	For Up To 10, Add .....	6.31
	For >10 To 50, Add .....	3.16
04 01 20 41-0041	EA 7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	14.11
	For Up To 10, Add .....	6.31
	For >10 To 50, Add .....	3.16
04 01 20 41-0042	EA 8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	15.04
	For Up To 10, Add .....	6.31
	For >10 To 50, Add .....	3.16
04 01 20 41-0043	EA 10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	16.89
	For Up To 10, Add .....	6.31
	For >10 To 50, Add .....	3.16
04 01 20 41-0044	EA 4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) .....	11.32
	For Up To 10, Add .....	6.31
	For >10 To 50, Add .....	3.16
04 01 20 41-0045	EA 6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) .....	13.18
	For Up To 10, Add .....	6.31
	For >10 To 50, Add .....	3.16
04 01 20 41-0046	EA 8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) .....	14.57
	For Up To 10, Add .....	6.31
	For >10 To 50, Add .....	3.16



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>04 01 20 41-0047</b>				<b>316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix)</b> <small>(04 01 20 41-0030)</small>		
	EA			4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	11.32	
				<i>For Up To 10, Add</i>	6.31	
				<i>For &gt;10 To 50, Add</i>	3.16	
	EA			5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.25	
				<i>For Up To 10, Add</i>	6.31	
				<i>For &gt;10 To 50, Add</i>	3.16	
	EA			6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.18	
				<i>For Up To 10, Add</i>	6.31	
				<i>For &gt;10 To 50, Add</i>	3.16	
	EA			7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.11	
				<i>For Up To 10, Add</i>	6.31	
				<i>For &gt;10 To 50, Add</i>	3.16	
	EA			8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.04	
				<i>For Up To 10, Add</i>	6.31	
				<i>For &gt;10 To 50, Add</i>	3.16	
	EA			9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.97	
				<i>For Up To 10, Add</i>	6.31	
				<i>For &gt;10 To 50, Add</i>	3.16	
	EA			4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	11.32	
				<i>For Up To 10, Add</i>	6.31	
				<i>For &gt;10 To 50, Add</i>	3.16	
	EA			5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.25	
				<i>For Up To 10, Add</i>	6.31	
				<i>For &gt;10 To 50, Add</i>	3.16	
	EA			6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.18	
				<i>For Up To 10, Add</i>	6.31	
				<i>For &gt;10 To 50, Add</i>	3.16	
	EA			7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.11	
				<i>For Up To 10, Add</i>	6.31	
				<i>For &gt;10 To 50, Add</i>	3.16	
	EA			8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.04	
				<i>For Up To 10, Add</i>	6.31	
				<i>For &gt;10 To 50, Add</i>	3.16	
	EA			10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	16.89	
				<i>For Up To 10, Add</i>	6.31	
				<i>For &gt;10 To 50, Add</i>	3.16	
	EA			4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	11.32	
				<i>For Up To 10, Add</i>	6.31	
				<i>For &gt;10 To 50, Add</i>	3.16	
	EA			6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	13.18	
				<i>For Up To 10, Add</i>	6.31	
				<i>For &gt;10 To 50, Add</i>	3.16	
	EA			8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	14.57	
				<i>For Up To 10, Add</i>	6.31	
				<i>For &gt;10 To 50, Add</i>	3.16	
<b>04 01 20 41-0063</b>				<b>Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)</b> <small>(04 01 20 41-0001)</small>		
				Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.		
<b>04 01 20 41-0064</b>				<b>304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)</b> <small>(04 01 20 41-0063)</small>		
	EA			8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.13	
				<i>For Up To 10, Add</i>	6.31	
				<i>For &gt;10 To 50, Add</i>	3.16	
				<i>For Metal Stud Clip, Add</i>	2.49	
	EA			8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.47	
				<i>For Up To 10, Add</i>	6.31	
				<i>For &gt;10 To 50, Add</i>	3.16	
				<i>For Metal Stud Clip, Add</i>	2.49	
	EA			8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.53	
				<i>For Up To 10, Add</i>	6.31	
				<i>For &gt;10 To 50, Add</i>	3.16	
				<i>For Metal Stud Clip, Add</i>	2.49	
	EA			8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.67	
				<i>For Up To 10, Add</i>	6.31	
				<i>For &gt;10 To 50, Add</i>	3.16	
				<i>For Metal Stud Clip, Add</i>	2.49	

## 04 Masonry

## 04 01 Maintenance of Masonry

## 04 01 20 Maintenance of Unit Masonry



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
04 01 20 41-0069	EA	8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.91	
		<i>For Up To 10, Add</i>	6.31	
		<i>For &gt;10 To 50, Add</i>	3.16	
		<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0070	EA	8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.12	
		<i>For Up To 10, Add</i>	6.31	
		<i>For &gt;10 To 50, Add</i>	3.16	
		<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0071	EA	8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.22	
		<i>For Up To 10, Add</i>	6.31	
		<i>For &gt;10 To 50, Add</i>	3.16	
		<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0072	EA	8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.35	
		<i>For Up To 10, Add</i>	6.31	
		<i>For &gt;10 To 50, Add</i>	3.16	
		<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0073	EA	8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.94	
		<i>For Up To 10, Add</i>	6.31	
		<i>For &gt;10 To 50, Add</i>	3.16	
		<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0074	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.03	
		<i>For Up To 10, Add</i>	6.31	
		<i>For &gt;10 To 50, Add</i>	3.16	
		<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0075	EA	8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.74	
		<i>For Up To 10, Add</i>	6.31	
		<i>For &gt;10 To 50, Add</i>	3.16	
		<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0076	EA	8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.35	
		<i>For Up To 10, Add</i>	6.31	
		<i>For &gt;10 To 50, Add</i>	3.16	
		<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0077	EA	8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.87	
		<i>For Up To 10, Add</i>	6.31	
		<i>For &gt;10 To 50, Add</i>	3.16	
		<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0078	EA	8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.69	
		<i>For Up To 10, Add</i>	6.31	
		<i>For &gt;10 To 50, Add</i>	3.16	
		<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0079	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.31	
		<i>For Up To 10, Add</i>	6.31	
		<i>For &gt;10 To 50, Add</i>	3.16	
		<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0080	EA	8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	18.47	
		<i>For Up To 10, Add</i>	6.31	
		<i>For &gt;10 To 50, Add</i>	3.16	
		<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0081	EA	10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.25	
		<i>For Up To 10, Add</i>	6.31	
		<i>For &gt;10 To 50, Add</i>	3.16	
		<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0082	EA	10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.61	
		<i>For Up To 10, Add</i>	6.31	
		<i>For &gt;10 To 50, Add</i>	3.16	
		<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0083	EA	10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.93	
		<i>For Up To 10, Add</i>	6.31	
		<i>For &gt;10 To 50, Add</i>	3.16	
		<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0084	EA	10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.22	
		<i>For Up To 10, Add</i>	6.31	
		<i>For &gt;10 To 50, Add</i>	3.16	
		<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0085	EA	10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.41	
		<i>For Up To 10, Add</i>	6.31	
		<i>For &gt;10 To 50, Add</i>	3.16	
		<i>For Metal Stud Clip, Add</i>	2.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0086 EA 10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.54	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0087 EA 10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.75	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0088 EA 10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.84	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0089 EA 10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.26	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0090 EA 10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.86	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0091 EA 10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.36	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0092 EA 10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.00	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0093 EA 10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.42	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0094 EA 10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.33	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0095 EA 10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.31	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0096 EA 8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	10.03	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0097 EA 8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	10.24	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0098 EA 8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	10.38	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0099 EA 8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	10.48	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0100 EA 8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	10.78	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0101 EA 8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	11.25	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0102 EA 8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	11.43	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	

<b>04</b>	<b>Masonry</b>
<b>04 01</b>	<b>Maintenance of Masonry</b>
<b>04 01 20</b>	<b>Maintenance of Unit Masonry</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 01 20 41-0103	EA		8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	11.90	
			<i>For Up To 10, Add</i>	6.31	
			<i>For &gt;10 To 50, Add</i>	3.16	
			<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0104	EA		10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	10.58	
			<i>For Up To 10, Add</i>	6.31	
			<i>For &gt;10 To 50, Add</i>	3.16	
			<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0105	EA		10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	10.99	
			<i>For Up To 10, Add</i>	6.31	
			<i>For &gt;10 To 50, Add</i>	3.16	
			<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0106	EA		10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	11.28	
			<i>For Up To 10, Add</i>	6.31	
			<i>For &gt;10 To 50, Add</i>	3.16	
			<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0107	EA		10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	11.46	
			<i>For Up To 10, Add</i>	6.31	
			<i>For &gt;10 To 50, Add</i>	3.16	
			<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0108	EA		10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	11.59	
			<i>For Up To 10, Add</i>	6.31	
			<i>For &gt;10 To 50, Add</i>	3.16	
			<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0109	EA		10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	11.90	
			<i>For Up To 10, Add</i>	6.31	
			<i>For &gt;10 To 50, Add</i>	3.16	
			<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0110	EA		304 Stainless Steel, Seismic Connector (Helifix® DryFix®) .....	4.83	
			Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
			<i>For Up To 10, Add</i>	3.15	
			<i>For &gt;10 To 50, Add</i>	1.58	

**04 01 20 41-0111 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)**

04 01 20 41-0112	EA		8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	9.66	
			<i>For Up To 10, Add</i>	6.31	
			<i>For &gt;10 To 50, Add</i>	3.16	
			<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0113	EA		8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	10.08	
			<i>For Up To 10, Add</i>	6.31	
			<i>For &gt;10 To 50, Add</i>	3.16	
			<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0114	EA		8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	10.16	
			<i>For Up To 10, Add</i>	6.31	
			<i>For &gt;10 To 50, Add</i>	3.16	
			<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0115	EA		8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	10.33	
			<i>For Up To 10, Add</i>	6.31	
			<i>For &gt;10 To 50, Add</i>	3.16	
			<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0116	EA		8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	10.64	
			<i>For Up To 10, Add</i>	6.31	
			<i>For &gt;10 To 50, Add</i>	3.16	
			<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0117	EA		8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	10.89	
			<i>For Up To 10, Add</i>	6.31	
			<i>For &gt;10 To 50, Add</i>	3.16	
			<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0118	EA		8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	11.02	
			<i>For Up To 10, Add</i>	6.31	
			<i>For &gt;10 To 50, Add</i>	3.16	
			<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0119	EA		8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	11.19	
			<i>For Up To 10, Add</i>	6.31	
			<i>For &gt;10 To 50, Add</i>	3.16	
			<i>For Metal Stud Clip, Add</i>	2.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0120 EA 8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.80	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0121 EA 8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.91	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0122 EA 8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.80	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0123 EA 8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.56	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0124 EA 8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.21	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0125 EA 8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.48	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0126 EA 8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.33	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0127 EA 8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.02	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0128 EA 10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.88	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0129 EA 10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.29	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0130 EA 10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.69	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0131 EA 10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.06	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0132 EA 10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.29	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0133 EA 10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.45	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0134 EA 10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.72	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0135 EA 10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.83	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0136 EA 10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.32	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	

<b>04</b>	<b>Masonry</b>
<b>04 01</b>	<b>Maintenance of Masonry</b>
<b>04 01 20</b>	<b>Maintenance of Unit Masonry</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0137	EA		10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.00	
			<i>For Up To 10, Add</i> .....	6.31	
			<i>For &gt;10 To 50, Add</i> .....	3.16	
			<i>For Metal Stud Clip, Add</i> .....	2.49	
04 01 20 41-0138	EA		10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.62	
			<i>For Up To 10, Add</i> .....	6.31	
			<i>For &gt;10 To 50, Add</i> .....	3.16	
			<i>For Metal Stud Clip, Add</i> .....	2.49	
04 01 20 41-0139	EA		10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.41	
			<i>For Up To 10, Add</i> .....	6.31	
			<i>For &gt;10 To 50, Add</i> .....	3.16	
			<i>For Metal Stud Clip, Add</i> .....	2.49	
04 01 20 41-0140	EA		10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.68	
			<i>For Up To 10, Add</i> .....	6.31	
			<i>For &gt;10 To 50, Add</i> .....	3.16	
			<i>For Metal Stud Clip, Add</i> .....	2.49	
04 01 20 41-0141	EA		10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	20.73	
			<i>For Up To 10, Add</i> .....	6.31	
			<i>For &gt;10 To 50, Add</i> .....	3.16	
			<i>For Metal Stud Clip, Add</i> .....	2.49	
04 01 20 41-0142	EA		10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	24.45	
			<i>For Up To 10, Add</i> .....	6.31	
			<i>For &gt;10 To 50, Add</i> .....	3.16	
			<i>For Metal Stud Clip, Add</i> .....	2.49	
04 01 20 41-0143	EA		8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.87	
			<i>For Up To 10, Add</i> .....	6.31	
			<i>For &gt;10 To 50, Add</i> .....	3.16	
			<i>For Metal Stud Clip, Add</i> .....	2.49	
04 01 20 41-0144	EA		8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.11	
			<i>For Up To 10, Add</i> .....	6.31	
			<i>For &gt;10 To 50, Add</i> .....	3.16	
			<i>For Metal Stud Clip, Add</i> .....	2.49	
04 01 20 41-0145	EA		8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.27	
			<i>For Up To 10, Add</i> .....	6.31	
			<i>For &gt;10 To 50, Add</i> .....	3.16	
			<i>For Metal Stud Clip, Add</i> .....	2.49	
04 01 20 41-0146	EA		8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.40	
			<i>For Up To 10, Add</i> .....	6.31	
			<i>For &gt;10 To 50, Add</i> .....	3.16	
			<i>For Metal Stud Clip, Add</i> .....	2.49	
04 01 20 41-0147	EA		8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.78	
			<i>For Up To 10, Add</i> .....	6.31	
			<i>For &gt;10 To 50, Add</i> .....	3.16	
			<i>For Metal Stud Clip, Add</i> .....	2.49	
04 01 20 41-0148	EA		8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.37	
			<i>For Up To 10, Add</i> .....	6.31	
			<i>For &gt;10 To 50, Add</i> .....	3.16	
			<i>For Metal Stud Clip, Add</i> .....	2.49	
04 01 20 41-0149	EA		8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.56	
			<i>For Up To 10, Add</i> .....	6.31	
			<i>For &gt;10 To 50, Add</i> .....	3.16	
			<i>For Metal Stud Clip, Add</i> .....	2.49	
04 01 20 41-0150	EA		8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	13.15	
			<i>For Up To 10, Add</i> .....	6.31	
			<i>For &gt;10 To 50, Add</i> .....	3.16	
			<i>For Metal Stud Clip, Add</i> .....	2.49	
04 01 20 41-0151	EA		10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.47	
			<i>For Up To 10, Add</i> .....	6.31	
			<i>For &gt;10 To 50, Add</i> .....	3.16	
			<i>For Metal Stud Clip, Add</i> .....	2.49	
04 01 20 41-0152	EA		10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.99	
			<i>For Up To 10, Add</i> .....	6.31	
			<i>For &gt;10 To 50, Add</i> .....	3.16	
			<i>For Metal Stud Clip, Add</i> .....	2.49	
04 01 20 41-0153	EA		10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.35	
			<i>For Up To 10, Add</i> .....	6.31	
			<i>For &gt;10 To 50, Add</i> .....	3.16	
			<i>For Metal Stud Clip, Add</i> .....	2.49	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0154 EA 10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	12.58	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0155 EA 10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	12.74	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0156 EA 10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	13.12	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<i>For Metal Stud Clip, Add</i>	2.49	
04 01 20 41-0157 EA 316 Stainless Steel, Seismic Connector (Helifix® DryFix®) .....	5.24	
Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
<i>For Up To 10, Add</i>	3.15	
<i>For &gt;10 To 50, Add</i>	1.58	
<b>04 01 20 41-0158 Concrete Patching Pins (Helifix® PatchPin) <small>(04 01 20 41-0001)</small></b>		
Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.		
<b>04 01 20 41-0159 304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)</b>		
<small>(04 01 20 41-0158)</small>		
04 01 20 41-0160 EA 8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) .....	7.84	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
04 01 20 41-0161 EA 8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) .....	7.88	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<b>04 01 20 41-0162 316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)</b>		
<small>(04 01 20 41-0158)</small>		
04 01 20 41-0163 EA 8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) .....	8.12	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
04 01 20 41-0164 EA 8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) .....	8.19	
<i>For Up To 10, Add</i>	6.31	
<i>For &gt;10 To 50, Add</i>	3.16	
<b>04 01 20 41-0165 Movement Joint Ties (Helifix® Movement Joint Tie) <small>(04 01 20 41-0001)</small></b>		
Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
<b>04 01 20 41-0166 304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie)</b>		
<small>(04 01 20 41-0165)</small>		
04 01 20 41-0167 EA 6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie) .....	50.77	
<i>For Up To 10, Add</i>	42.05	
<i>For &gt;10 To 50, Add</i>	21.03	
<b>04 01 20 41-0168 316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie)</b>		
<small>(04 01 20 41-0165)</small>		
04 01 20 41-0169 EA 6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie) .....	52.07	
<i>For Up To 10, Add</i>	42.05	
<i>For &gt;10 To 50, Add</i>	21.03	
<b>04 01 20 41-0170 Unit Masonry Stabilization <small>(04 01 20 41)</small></b>		
<b>04 01 20 41-0171 Repair Bulging Or Loose Masonry <small>(04 01 20 41-0170)</small></b>		
04 01 20 41-0172 SF Repair Bulging Or Loose Masonry Using Existing Masonry.....	80.12	
Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.		
04 01 20 41-0173 SF Repair Bulging Or Loose Masonry Using New Masonry.....	84.83	
Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.		
<b>04 01 20 51 Unit Masonry Maintenance <small>(04 01 20)</small></b>		
<b>04 01 20 51-0001 Grind Unit Masonry <small>(04 01 20 51)</small></b>		
04 01 20 51-0002 SF Grind Smooth Masonry Wall.....	3.86	
<b>04 01 20 91 Unit Masonry Restoration <small>(04 01 20)</small></b>		

<b>04</b>	<b>Masonry</b>
<b>04 01</b>	<b>Maintenance of Masonry</b>
<b>04 01 20</b>	<b>Maintenance of Unit Masonry</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>04 01 20 91-0001</b>	<b>Cut And Repoint Masonry</b> <small>(04 01 20 91)</small>	
	Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.	
04 01 20 91-0002	SF Cut And Repoint, Hard Mortar, Running Bond, Brick.....	10.46
	For Common Bond, Add	0.39
	For Flemish Bond, Add	1.38
	For English Bond, Add	2.27
	For Oversized Or Larger Than Standard, Deduct	-1.57
	For >250 To 1,000, Deduct	-0.49
	For >1,000, Deduct	-1.02
04 01 20 91-0003	SF Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick.....	7.29
	For Common Bond, Add	0.27
	For Flemish Bond, Add	0.94
	For English Bond, Add	1.54
	For Oversized Or Larger Than Standard, Deduct	-1.09
	For >250 To 1,000, Deduct	-0.33
	For >1,000, Deduct	-0.70
04 01 20 91-0004	SF Cut And Repoint, Hard Mortar, Running Bond, Concrete Block.....	5.33
	For Common Bond, Add	0.19
	For Oversized Or Larger Than Standard, Deduct	-0.80
	For >250 To 1,000, Deduct	-0.24
	For >1,000, Deduct	-0.50
04 01 20 91-0005	SF Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block.....	3.83
	For Common Bond, Add	0.13
	For Oversized Or Larger Than Standard, Deduct	-0.57
	For >250 To 1,000, Deduct	-0.16
	For >1,000, Deduct	-0.35
04 01 20 91-0006	LF Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area.....	3.20

<b>04 01 20 91-0007</b>	<b>Repair Masonry</b> <small>(04 01 20 91)</small>	
	Note: Includes mortar for repair.	
04 01 20 91-0008	SF Patch And Repair Terra Cotta Walls Or Coping.....	19.43
	Note: Including Replacement Of Damaged Material	
04 01 20 91-0009	SF Patch And Repair Terra Cotta Floors.....	18.08
	Note: Including Replacement Of Damaged Material	
04 01 20 91-0010	LF Chip And Repair With Masonry Patch, Cracks Up To 1/4".....	4.81
04 01 20 91-0011	SF Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade.....	7.37
04 01 20 91-0012	LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570).....	31.93
	For Cracks Accessible From Both Sides, Add	6.49
04 01 20 91-0013	LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52).....	28.08
	For Cracks Accessible From Both Sides, Add	6.49
04 01 20 91-0014	LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52).....	7.37
	For V-Grooving Crack With Grinder, Add	5.22
04 01 20 91-0015	LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52).....	10.00
	For V-Grooving Crack With Grinder, Add	4.96

#### 04 01 50 Maintenance of Refractory Masonry (04 01)

##### 04 01 50 52 Refractory Masonry Cleaning (04 01 50)

<b>04 01 50 52-0001</b>	<b>Chimney Cleaning</b> <small>(04 01 50 52)</small>	
04 01 50 52-0002	LF Up To 2 SF Cross Section Chimney Cleaning.....	6.35
04 01 50 52-0003	LF >2 To 4 SF Cross Section Chimney Cleaning.....	12.69
04 01 50 52-0004	LF >4 SF Cross Section Chimney Cleaning.....	19.05

#### 04 05 Common Work Results for Masonry (04)

##### 04 05 13 Masonry Mortaring (04 05)

##### 04 05 13 26 Engineered Masonry Mortaring (04 05 13)

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

<b>04 05 13 26-0001</b>	<b>Masonry Cement Mortar</b> <small>(04 05 13 26)</small>	
	Note: Ratio is bag material to sand.	
04 05 13 26-0002	CF Type M Masonry Cement 1:1:6 Mix.....	7.29
04 05 13 26-0003	CF Type N Masonry Cement 1:3 Mix.....	6.73
04 05 13 26-0004	CF Type O Masonry Cement 1:3 Mix.....	6.90
04 05 13 26-0005	CF Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI.....	7.56
04 05 13 26-0006	CF Type S Masonry Cement 1/2:1:4 Mix.....	7.97

##### 04 05 13 26-0007 Mortar Admixture (04 05 13 26)

04 05 13 26-0008	CF Water - Repellent Stearate - Cost Based On CF Of Mortar.....	0.36
04 05 13 26-0009	CF Pozzolanic Plasticizers - Cost Based On CF Of Mortar.....	0.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>04 05 13 26-0010 Color Admixtures For Mortar</b> <small>(04 05 13 26)</small>		
<i>Note: Costs are based on CF of mortar.</i>		
04 05 13 26-0011 CF Buff Colored Admixture.....	2.27	
04 05 13 26-0012 CF Brown Colored Admixture.....	2.57	
04 05 13 26-0013 CF Black Colored Admixture.....	3.18	
04 05 13 26-0014 CF Red Colored Admixture.....	6.97	
<b>04 05 13 26-0015 Portland Cement</b> <small>(04 05 13 26)</small>		
04 05 13 26-0016 CF Normal Portland Cement (Type I).....	12.07	
04 05 13 26-0017 CF Modified Portland Cement (Type II).....	6.02	
04 05 13 26-0018 CF High Early Strength Portland Cement (Type III).....	6.39	
04 05 13 26-0019 CF White Non Staining Portland Cement (Type I).....	13.38	
<b>04 05 16 Masonry Grouting</b> <small>(04 05)</small>		
<b>04 05 16 26 Engineered Masonry Grouting</b> <small>(04 05 16)</small>		
<i>Note: Excludes reinforcement.</i>		
<b>04 05 16 26-0001 Grout Bond Beams And Lintels, Grout Fill</b> <small>(04 05 16 26)</small>		
<i>Note: Excludes block.</i>		
04 05 16 26-0002 LF Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep.....	4.36	
04 05 16 26-0003 LF Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep.....	4.75	
04 05 16 26-0004 LF Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep.....	5.27	
04 05 16 26-0005 LF Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep.....	5.87	
<b>04 05 16 26-0006 Grout Concrete Block Cores, Grout Fill</b> <small>(04 05 16 26)</small>		
<i>Note: Per SF of face area filled.</i>		
04 05 16 26-0007 SF Grout Concrete Block Cores- 4" Block, Grout Fill Block Solid (0.067 CF/SF).....	3.46	
04 05 16 26-0008 SF Grout Concrete Block Cores- 6" Block, Grout Fill Block Solid (0.175 CF/SF).....	4.96	
04 05 16 26-0009 SF Grout Concrete Block Cores- 8" Block, Grout Fill Block Solid (0.258 CF/SF).....	7.07	
04 05 16 26-0010 SF Grout Concrete Block Cores- 10" Block, Grout Fill Block Solid (0.34 CF/SF).....	8.66	
04 05 16 26-0011 SF Grout Concrete Block Cores- 12" Block, Grout Fill Block Solid (0.422 CF/SF).....	10.21	
<b>04 05 16 26-0012 Grout Cavity Walls, Grout Fill</b> <small>(04 05 16 26)</small>		
<i>Note: Per SF of face area filled.</i>		
04 05 16 26-0013 SF Grout Cavity Walls - 2" Space, Grout Fill (0.167 CF/SF).....	3.99	
04 05 16 26-0014 SF Grout Cavity Walls - 3" Space, Grout Fill (0.250 CF/SF).....	5.61	
04 05 16 26-0015 SF Grout Cavity Walls - 4" Space, Grout Fill (0.333 CF/SF).....	7.03	
04 05 16 26-0016 SF Grout Cavity Walls - 6" Space, Grout Fill (0.500 CF/SF).....	9.50	
<b>04 05 16 26-0017 Grout Frames, Grout Fill</b> <small>(04 05 16 26)</small>		
04 05 16 26-0018 LF Grout Door Frames - Grout Fill.....	6.23	
04 05 16 26-0019 LF Grout Window Frames - Grout Fill.....	5.32	
<b>04 05 16 26-0020 Sand Filled Walls</b> <small>(04 05 16 26)</small>		
<b>04 05 16 26-0021 Sand Fill Cavity Walls, Sand Fill</b> <small>(04 05 16 26-0020)</small>		
<i>Note: Per SF of face area filled.</i>		
04 05 16 26-0022 SF Sand Fill Cavity Walls - 2" Space, Sand Fill (0.167 CF/SF).....	3.44	
04 05 16 26-0023 SF Sand Fill Cavity Walls - 3" Space, Sand Fill (0.250 CF/SF).....	4.75	
04 05 16 26-0024 SF Sand Fill Cavity Walls - 4" Space, Sand Fill (0.333 CF/SF).....	5.84	
04 05 16 26-0025 SF Sand Fill Cavity Walls - 6" Space, Sand Fill (0.500 CF/SF).....	7.79	
<b>04 05 19 Masonry Anchorage and Reinforcing</b> <small>(04 05)</small>		
<b>04 05 19 13 Continuous Joint Reinforcing</b> <small>(04 05 19)</small>		
<i>Note: Includes cutting and bending.</i>		
<b>04 05 19 13-0001 Continuous Joint Reinforcing</b> <small>(04 05 19 13)</small>		
<b>04 05 19 13-0002 Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0001)</small>		
<b>04 05 19 13-0003 Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>		
<b>04 05 19 13-0004 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0005 CLF #4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	58.77	
<i>For Hot-Dipped Galvanized, Add</i>	8.80	
<i>For Stainless Steel, Add</i>	35.20	
04 05 19 13-0006 CLF #6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	62.48	
<i>For Hot-Dipped Galvanized, Add</i>	9.25	
<i>For Stainless Steel, Add</i>	36.98	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0007 CLF #8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	67.48	
For Hot-Dipped Galvanized, Add	9.75	
For Stainless Steel, Add	38.98	
04 05 19 13-0008 CLF #10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	73.41	
For Hot-Dipped Galvanized, Add	10.31	
For Stainless Steel, Add	41.24	
04 05 19 13-0009 CLF #12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	80.38	
For Hot-Dipped Galvanized, Add	10.86	
For Stainless Steel, Add	43.44	
04 05 19 13-0010 CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	85.61	
For Hot-Dipped Galvanized, Add	11.13	
For Stainless Steel, Add	44.52	
04 05 19 13-0011 CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	89.39	
For Hot-Dipped Galvanized, Add	11.44	
For Stainless Steel, Add	45.76	
04 05 19 13-0012 CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	102.18	
For Hot-Dipped Galvanized, Add	15.73	
For Stainless Steel, Add	62.90	
04 05 19 13-0013 CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	123.58	
For Hot-Dipped Galvanized, Add	24.31	
For Stainless Steel, Add	97.24	
<b>04 05 19 13-0014 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0015 CLF #4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	68.54	
For Hot-Dipped Galvanized, Add	13.68	
For Stainless Steel, Add	54.72	
04 05 19 13-0016 CLF #6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	72.34	
For Hot-Dipped Galvanized, Add	14.18	
For Stainless Steel, Add	56.70	
04 05 19 13-0017 CLF #8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	77.45	
For Hot-Dipped Galvanized, Add	14.73	
For Stainless Steel, Add	58.92	
04 05 19 13-0018 CLF #10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	83.27	
For Hot-Dipped Galvanized, Add	15.24	
For Stainless Steel, Add	60.96	
04 05 19 13-0019 CLF #12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	90.22	
For Hot-Dipped Galvanized, Add	15.78	
For Stainless Steel, Add	63.12	
04 05 19 13-0020 CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	95.48	
For Hot-Dipped Galvanized, Add	16.08	
For Stainless Steel, Add	64.30	
04 05 19 13-0021 CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	99.21	
For Hot-Dipped Galvanized, Add	16.35	
For Stainless Steel, Add	65.38	
04 05 19 13-0022 CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	115.16	
For Hot-Dipped Galvanized, Add	22.22	
For Stainless Steel, Add	88.86	
04 05 19 13-0023 CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	145.83	
For Hot-Dipped Galvanized, Add	35.44	
For Stainless Steel, Add	141.76	
<b>04 05 19 13-0024 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0025 CLF #4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	78.00	
For Hot-Dipped Galvanized, Add	18.41	
For Stainless Steel, Add	73.64	
04 05 19 13-0026 CLF #6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	83.19	
For Hot-Dipped Galvanized, Add	19.42	
For Stainless Steel, Add	77.68	
04 05 19 13-0027 CLF #8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	88.37	
For Hot-Dipped Galvanized, Add	20.43	
For Stainless Steel, Add	81.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0028 CLF #10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	96.08	
<i>For Hot-Dipped Galvanized, Add</i>	21.65	
<i>For Stainless Steel, Add</i>	86.58	
04 05 19 13-0029 CLF #12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	103.76	
<i>For Hot-Dipped Galvanized, Add</i>	22.84	
<i>For Stainless Steel, Add</i>	91.36	
04 05 19 13-0030 CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	110.33	
<i>For Hot-Dipped Galvanized, Add</i>	23.49	
<i>For Stainless Steel, Add</i>	93.96	
04 05 19 13-0031 CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	114.07	
<i>For Hot-Dipped Galvanized, Add</i>	24.04	
<i>For Stainless Steel, Add</i>	96.16	
04 05 19 13-0032 CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	121.03	
<i>For Hot-Dipped Galvanized, Add</i>	25.15	
<i>For Stainless Steel, Add</i>	100.58	
04 05 19 13-0033 CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	158.51	
<i>For Hot-Dipped Galvanized, Add</i>	41.78	
<i>For Stainless Steel, Add</i>	167.10	
<b>04 05 19 13-0034 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0035 CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	81.25	
<i>For Hot-Dipped Galvanized, Add</i>	20.04	
<i>For Stainless Steel, Add</i>	80.14	
04 05 19 13-0036 CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	84.93	
<i>For Hot-Dipped Galvanized, Add</i>	20.47	
<i>For Stainless Steel, Add</i>	81.88	
04 05 19 13-0037 CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	89.93	
<i>For Hot-Dipped Galvanized, Add</i>	20.97	
<i>For Stainless Steel, Add</i>	83.88	
04 05 19 13-0038 CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	95.86	
<i>For Hot-Dipped Galvanized, Add</i>	21.54	
<i>For Stainless Steel, Add</i>	86.14	
04 05 19 13-0039 CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	102.84	
<i>For Hot-Dipped Galvanized, Add</i>	22.09	
<i>For Stainless Steel, Add</i>	88.36	
04 05 19 13-0040 CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	108.07	
<i>For Hot-Dipped Galvanized, Add</i>	22.36	
<i>For Stainless Steel, Add</i>	89.44	
04 05 19 13-0041 CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	111.83	
<i>For Hot-Dipped Galvanized, Add</i>	22.67	
<i>For Stainless Steel, Add</i>	90.66	
04 05 19 13-0042 CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	124.64	
<i>For Hot-Dipped Galvanized, Add</i>	26.95	
<i>For Stainless Steel, Add</i>	107.80	
<b>04 05 19 13-0043 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0044 CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	91.00	
<i>For Hot-Dipped Galvanized, Add</i>	24.91	
<i>For Stainless Steel, Add</i>	99.64	
04 05 19 13-0045 CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	94.81	
<i>For Hot-Dipped Galvanized, Add</i>	25.41	
<i>For Stainless Steel, Add</i>	101.64	
04 05 19 13-0046 CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	99.92	
<i>For Hot-Dipped Galvanized, Add</i>	25.97	
<i>For Stainless Steel, Add</i>	103.86	
04 05 19 13-0047 CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	105.75	
<i>For Hot-Dipped Galvanized, Add</i>	26.48	
<i>For Stainless Steel, Add</i>	105.92	
04 05 19 13-0048 CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	112.69	
<i>For Hot-Dipped Galvanized, Add</i>	27.02	
<i>For Stainless Steel, Add</i>	108.06	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0049	CLF	#13	(For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	117.95	
			<i>For Hot-Dipped Galvanized, Add</i> .....	27.31	
			<i>For Stainless Steel, Add</i> .....	109.24	
04 05 19 13-0050	CLF	#14	(For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	121.68	
			<i>For Hot-Dipped Galvanized, Add</i> .....	27.58	
			<i>For Stainless Steel, Add</i> .....	110.32	
04 05 19 13-0051	CLF	#16	(For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	137.62	
			<i>For Hot-Dipped Galvanized, Add</i> .....	33.45	
			<i>For Stainless Steel, Add</i> .....	133.78	
04 05 19 13-0052	CLF	#18	(For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	168.30	
			<i>For Hot-Dipped Galvanized, Add</i> .....	46.68	
			<i>For Stainless Steel, Add</i> .....	186.72	
<b>04 05 19 13-0053</b>			<b>Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0054	CLF	#4	(For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	100.45	
			<i>For Hot-Dipped Galvanized, Add</i> .....	29.64	
			<i>For Stainless Steel, Add</i> .....	118.54	
04 05 19 13-0055	CLF	#6	(For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	105.65	
			<i>For Hot-Dipped Galvanized, Add</i> .....	30.65	
			<i>For Stainless Steel, Add</i> .....	122.60	
04 05 19 13-0056	CLF	#8	(For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	110.84	
			<i>For Hot-Dipped Galvanized, Add</i> .....	31.67	
			<i>For Stainless Steel, Add</i> .....	126.66	
04 05 19 13-0057	CLF	#10	(For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	118.53	
			<i>For Hot-Dipped Galvanized, Add</i> .....	32.87	
			<i>For Stainless Steel, Add</i> .....	131.48	
04 05 19 13-0058	CLF	#12	(For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	126.23	
			<i>For Hot-Dipped Galvanized, Add</i> .....	34.08	
			<i>For Stainless Steel, Add</i> .....	136.30	
04 05 19 13-0059	CLF	#13	(For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	132.78	
			<i>For Hot-Dipped Galvanized, Add</i> .....	34.72	
			<i>For Stainless Steel, Add</i> .....	138.86	
04 05 19 13-0060	CLF	#14	(For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	136.53	
			<i>For Hot-Dipped Galvanized, Add</i> .....	35.27	
			<i>For Stainless Steel, Add</i> .....	141.08	
04 05 19 13-0061	CLF	#16	(For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	143.49	
			<i>For Hot-Dipped Galvanized, Add</i> .....	36.38	
			<i>For Stainless Steel, Add</i> .....	145.50	
04 05 19 13-0062	CLF	#18	(For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	180.97	
			<i>For Hot-Dipped Galvanized, Add</i> .....	53.01	
			<i>For Stainless Steel, Add</i> .....	212.02	
<b>04 05 19 13-0063</b>			<b>Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0064	CLF	#4	(For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	103.71	
			<i>For Hot-Dipped Galvanized, Add</i> .....	31.27	
			<i>For Stainless Steel, Add</i> .....	125.06	
04 05 19 13-0065	CLF	#6	(For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	107.39	
			<i>For Hot-Dipped Galvanized, Add</i> .....	31.70	
			<i>For Stainless Steel, Add</i> .....	126.80	
04 05 19 13-0066	CLF	#8	(For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	112.39	
			<i>For Hot-Dipped Galvanized, Add</i> .....	32.20	
			<i>For Stainless Steel, Add</i> .....	128.80	
04 05 19 13-0067	CLF	#10	(For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	118.32	
			<i>For Hot-Dipped Galvanized, Add</i> .....	32.77	
			<i>For Stainless Steel, Add</i> .....	131.06	
04 05 19 13-0068	CLF	#12	(For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	125.30	
			<i>For Hot-Dipped Galvanized, Add</i> .....	33.32	
			<i>For Stainless Steel, Add</i> .....	133.28	
04 05 19 13-0069	CLF	#13	(For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	130.53	
			<i>For Hot-Dipped Galvanized, Add</i> .....	33.59	
			<i>For Stainless Steel, Add</i> .....	134.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0070 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	134.29	
<i>For Hot-Dipped Galvanized, Add</i>	33.90	
<i>For Stainless Steel, Add</i>	135.58	
04 05 19 13-0071 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	147.11	
<i>For Hot-Dipped Galvanized, Add</i>	38.19	
<i>For Stainless Steel, Add</i>	152.74	
04 05 19 13-0072 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	168.49	
<i>For Hot-Dipped Galvanized, Add</i>	46.77	
<i>For Stainless Steel, Add</i>	187.08	
<b>04 05 19 13-0073 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0074 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	113.46	
<i>For Hot-Dipped Galvanized, Add</i>	36.14	
<i>For Stainless Steel, Add</i>	144.56	
04 05 19 13-0075 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	117.27	
<i>For Hot-Dipped Galvanized, Add</i>	36.64	
<i>For Stainless Steel, Add</i>	146.56	
04 05 19 13-0076 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	122.38	
<i>For Hot-Dipped Galvanized, Add</i>	37.20	
<i>For Stainless Steel, Add</i>	148.78	
04 05 19 13-0077 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	128.21	
<i>For Hot-Dipped Galvanized, Add</i>	37.71	
<i>For Stainless Steel, Add</i>	150.84	
04 05 19 13-0078 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	135.15	
<i>For Hot-Dipped Galvanized, Add</i>	38.25	
<i>For Stainless Steel, Add</i>	152.98	
04 05 19 13-0079 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	140.41	
<i>For Hot-Dipped Galvanized, Add</i>	38.54	
<i>For Stainless Steel, Add</i>	154.16	
04 05 19 13-0080 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	144.14	
<i>For Hot-Dipped Galvanized, Add</i>	38.81	
<i>For Stainless Steel, Add</i>	155.24	
04 05 19 13-0081 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	160.08	
<i>For Hot-Dipped Galvanized, Add</i>	44.68	
<i>For Stainless Steel, Add</i>	178.70	
04 05 19 13-0082 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	190.76	
<i>For Hot-Dipped Galvanized, Add</i>	57.91	
<i>For Stainless Steel, Add</i>	231.64	
<b>04 05 19 13-0083 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0084 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	122.91	
<i>For Hot-Dipped Galvanized, Add</i>	40.87	
<i>For Stainless Steel, Add</i>	163.46	
04 05 19 13-0085 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	128.11	
<i>For Hot-Dipped Galvanized, Add</i>	41.88	
<i>For Stainless Steel, Add</i>	167.52	
04 05 19 13-0086 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	133.30	
<i>For Hot-Dipped Galvanized, Add</i>	42.90	
<i>For Stainless Steel, Add</i>	171.58	
04 05 19 13-0087 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	140.99	
<i>For Hot-Dipped Galvanized, Add</i>	44.10	
<i>For Stainless Steel, Add</i>	176.40	
04 05 19 13-0088 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	148.69	
<i>For Hot-Dipped Galvanized, Add</i>	45.31	
<i>For Stainless Steel, Add</i>	181.22	
04 05 19 13-0089 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	155.25	
<i>For Hot-Dipped Galvanized, Add</i>	45.95	
<i>For Stainless Steel, Add</i>	183.80	
04 05 19 13-0090 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	158.99	
<i>For Hot-Dipped Galvanized, Add</i>	46.50	
<i>For Stainless Steel, Add</i>	186.00	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0091 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	165.95	
<i>For Hot-Dipped Galvanized, Add</i> .....	47.61	
<i>For Stainless Steel, Add</i> .....	190.42	
04 05 19 13-0092 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	203.43	
<i>For Hot-Dipped Galvanized, Add</i> .....	64.24	
<i>For Stainless Steel, Add</i> .....	256.94	
<b>04 05 19 13-0093 Ladder-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>		
<b>04 05 19 13-0094 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0093)</small>		
04 05 19 13-0095 CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	83.38	
<i>For Hot-Dipped Galvanized, Add</i> .....	14.96	
<i>For Stainless Steel, Add</i> .....	59.84	
04 05 19 13-0096 CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	92.06	
<i>For Hot-Dipped Galvanized, Add</i> .....	16.34	
<i>For Stainless Steel, Add</i> .....	65.34	
04 05 19 13-0097 CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	100.42	
<i>For Hot-Dipped Galvanized, Add</i> .....	17.55	
<i>For Stainless Steel, Add</i> .....	70.18	
04 05 19 13-0098 CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	107.76	
<i>For Hot-Dipped Galvanized, Add</i> .....	18.25	
<i>For Stainless Steel, Add</i> .....	72.98	
04 05 19 13-0099 CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	112.03	
<i>For Hot-Dipped Galvanized, Add</i> .....	18.90	
<i>For Stainless Steel, Add</i> .....	75.58	
04 05 19 13-0100 CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	120.25	
<i>For Hot-Dipped Galvanized, Add</i> .....	20.34	
<i>For Stainless Steel, Add</i> .....	81.34	
04 05 19 13-0101 CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	127.37	
<i>For Hot-Dipped Galvanized, Add</i> .....	21.52	
<i>For Stainless Steel, Add</i> .....	86.08	
<b>04 05 19 13-0102 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0093)</small>		
04 05 19 13-0103 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	95.53	
<i>For Hot-Dipped Galvanized, Add</i> .....	21.04	
<i>For Stainless Steel, Add</i> .....	84.14	
04 05 19 13-0104 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	104.24	
<i>For Hot-Dipped Galvanized, Add</i> .....	22.43	
<i>For Stainless Steel, Add</i> .....	89.70	
04 05 19 13-0105 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	112.47	
<i>For Hot-Dipped Galvanized, Add</i> .....	23.57	
<i>For Stainless Steel, Add</i> .....	94.28	
04 05 19 13-0106 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	119.95	
<i>For Hot-Dipped Galvanized, Add</i> .....	24.34	
<i>For Stainless Steel, Add</i> .....	97.36	
04 05 19 13-0107 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	124.18	
<i>For Hot-Dipped Galvanized, Add</i> .....	24.97	
<i>For Stainless Steel, Add</i> .....	99.88	
04 05 19 13-0108 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	132.41	
<i>For Hot-Dipped Galvanized, Add</i> .....	26.42	
<i>For Stainless Steel, Add</i> .....	105.66	
04 05 19 13-0109 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	139.69	
<i>For Hot-Dipped Galvanized, Add</i> .....	27.68	
<i>For Stainless Steel, Add</i> .....	110.72	
<b>04 05 19 13-0110 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0093)</small>		
04 05 19 13-0111 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	101.44	
<i>For Hot-Dipped Galvanized, Add</i> .....	23.99	
<i>For Stainless Steel, Add</i> .....	95.96	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0112 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	111.54	
<i>For Hot-Dipped Galvanized, Add</i>	26.08	
<i>For Stainless Steel, Add</i>	104.30	
04 05 19 13-0113 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	121.58	
<i>For Hot-Dipped Galvanized, Add</i>	28.13	
<i>For Stainless Steel, Add</i>	112.50	
04 05 19 13-0114 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	129.70	
<i>For Hot-Dipped Galvanized, Add</i>	29.22	
<i>For Stainless Steel, Add</i>	116.86	
04 05 19 13-0115 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	134.67	
<i>For Hot-Dipped Galvanized, Add</i>	30.22	
<i>For Stainless Steel, Add</i>	120.86	
04 05 19 13-0116 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	144.27	
<i>For Hot-Dipped Galvanized, Add</i>	32.35	
<i>For Stainless Steel, Add</i>	129.38	
04 05 19 13-0117 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	153.19	
<i>For Hot-Dipped Galvanized, Add</i>	34.43	
<i>For Stainless Steel, Add</i>	137.72	
<b>04 05 19 13-0118 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>		
<b>04 05 19 13-0119 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0118)</small>		
04 05 19 13-0120 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	116.10	
<i>For Hot-Dipped Galvanized, Add</i>	31.32	
<i>For Stainless Steel, Add</i>	125.28	
04 05 19 13-0121 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	123.94	
<i>For Hot-Dipped Galvanized, Add</i>	32.28	
<i>For Stainless Steel, Add</i>	129.10	
04 05 19 13-0122 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	131.82	
<i>For Hot-Dipped Galvanized, Add</i>	33.25	
<i>For Stainless Steel, Add</i>	132.98	
04 05 19 13-0123 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	142.89	
<i>For Hot-Dipped Galvanized, Add</i>	34.33	
<i>For Stainless Steel, Add</i>	137.30	
04 05 19 13-0124 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	150.38	
<i>For Hot-Dipped Galvanized, Add</i>	35.40	
<i>For Stainless Steel, Add</i>	141.60	
04 05 19 13-0125 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	158.42	
<i>For Hot-Dipped Galvanized, Add</i>	37.05	
<i>For Stainless Steel, Add</i>	148.18	
<b>04 05 19 13-0126 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0118)</small>		
04 05 19 13-0127 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	135.15	
<i>For Hot-Dipped Galvanized, Add</i>	40.85	
<i>For Stainless Steel, Add</i>	163.38	
04 05 19 13-0128 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	143.02	
<i>For Hot-Dipped Galvanized, Add</i>	41.82	
<i>For Stainless Steel, Add</i>	167.26	
04 05 19 13-0129 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	151.15	
<i>For Hot-Dipped Galvanized, Add</i>	42.91	
<i>For Stainless Steel, Add</i>	171.64	
04 05 19 13-0130 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	161.97	
<i>For Hot-Dipped Galvanized, Add</i>	43.87	
<i>For Stainless Steel, Add</i>	175.46	
04 05 19 13-0131 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	169.49	
<i>For Hot-Dipped Galvanized, Add</i>	44.96	
<i>For Stainless Steel, Add</i>	179.82	
04 05 19 13-0132 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	176.43	
<i>For Hot-Dipped Galvanized, Add</i>	46.05	
<i>For Stainless Steel, Add</i>	184.20	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 05 19 13-0133	3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0118)	
04 05 19 13-0134	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	136.55
	For Hot-Dipped Galvanized, Add	41.55
	For Stainless Steel, Add	166.18
04 05 19 13-0135	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	145.48
	For Hot-Dipped Galvanized, Add	43.05
	For Stainless Steel, Add	172.18
04 05 19 13-0136	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	154.38
	For Hot-Dipped Galvanized, Add	44.53
	For Stainless Steel, Add	178.10
04 05 19 13-0137	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	166.88
	For Hot-Dipped Galvanized, Add	46.32
	For Stainless Steel, Add	185.28
04 05 19 13-0138	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	175.77
	For Hot-Dipped Galvanized, Add	48.10
	For Stainless Steel, Add	192.38
04 05 19 13-0139	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	184.05
	For Hot-Dipped Galvanized, Add	49.86
	For Stainless Steel, Add	199.44
04 05 19 13-0140	Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0002)	
04 05 19 13-0141	9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0140)	
04 05 19 13-0142	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	125.59
	For Hot-Dipped Galvanized, Add	33.10
	For Stainless Steel, Add	132.40
04 05 19 13-0143	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	133.41
	For Hot-Dipped Galvanized, Add	34.04
	For Stainless Steel, Add	136.16
04 05 19 13-0144	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	144.21
	For Hot-Dipped Galvanized, Add	34.99
	For Stainless Steel, Add	139.94
04 05 19 13-0145	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	151.79
	For Hot-Dipped Galvanized, Add	36.11
	For Stainless Steel, Add	144.42
04 05 19 13-0146	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	158.69
	For Hot-Dipped Galvanized, Add	37.18
	For Stainless Steel, Add	148.72
04 05 19 13-0147	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	166.34
	For Hot-Dipped Galvanized, Add	39.35
	For Stainless Steel, Add	157.40
04 05 19 13-0148	3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0140)	
04 05 19 13-0149	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	144.67
	For Hot-Dipped Galvanized, Add	42.64
	For Stainless Steel, Add	170.56
04 05 19 13-0150	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	152.52
	For Hot-Dipped Galvanized, Add	43.60
	For Stainless Steel, Add	174.38
04 05 19 13-0151	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	163.59
	For Hot-Dipped Galvanized, Add	44.68
	For Stainless Steel, Add	178.70
04 05 19 13-0152	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	170.84
	For Hot-Dipped Galvanized, Add	45.63
	For Stainless Steel, Add	182.52
04 05 19 13-0153	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	177.77
	For Hot-Dipped Galvanized, Add	46.72
	For Stainless Steel, Add	186.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0154 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	185.67	
<i>For Hot-Dipped Galvanized, Add</i>	49.02	
<i>For Stainless Steel, Add</i>	196.06	
<b>04 05 19 13-0155 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0140)</small>		
04 05 19 13-0156 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	146.02	
<i>For Hot-Dipped Galvanized, Add</i>	43.32	
<i>For Stainless Steel, Add</i>	173.26	
04 05 19 13-0157 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	154.95	
<i>For Hot-Dipped Galvanized, Add</i>	44.81	
<i>For Stainless Steel, Add</i>	179.24	
04 05 19 13-0158 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	166.88	
<i>For Hot-Dipped Galvanized, Add</i>	46.32	
<i>For Stainless Steel, Add</i>	185.28	
04 05 19 13-0159 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	175.77	
<i>For Hot-Dipped Galvanized, Add</i>	48.10	
<i>For Stainless Steel, Add</i>	192.38	
04 05 19 13-0160 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	184.05	
<i>For Hot-Dipped Galvanized, Add</i>	49.86	
<i>For Stainless Steel, Add</i>	199.44	
04 05 19 13-0161 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	192.43	
<i>For Hot-Dipped Galvanized, Add</i>	52.40	
<i>For Stainless Steel, Add</i>	209.58	
<b>04 05 19 13-0162 Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>		
<b>04 05 19 13-0163 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0162)</small>		
04 05 19 13-0164 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	119.31	
<i>For Hot-Dipped Galvanized, Add</i>	29.96	
<i>For Stainless Steel, Add</i>	119.84	
<i>For Seismic Hook And Eye, Add</i>	12.88	
04 05 19 13-0165 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	126.81	
<i>For Hot-Dipped Galvanized, Add</i>	30.74	
<i>For Stainless Steel, Add</i>	122.96	
<i>For Seismic Hook And Eye, Add</i>	13.22	
04 05 19 13-0166 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	137.39	
<i>For Hot-Dipped Galvanized, Add</i>	31.58	
<i>For Stainless Steel, Add</i>	126.30	
<i>For Seismic Hook And Eye, Add</i>	13.58	
04 05 19 13-0167 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	144.51	
<i>For Hot-Dipped Galvanized, Add</i>	32.47	
<i>For Stainless Steel, Add</i>	129.86	
<i>For Seismic Hook And Eye, Add</i>	13.96	
04 05 19 13-0168 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	151.12	
<i>For Hot-Dipped Galvanized, Add</i>	33.40	
<i>For Stainless Steel, Add</i>	133.58	
<i>For Seismic Hook And Eye, Add</i>	14.36	
04 05 19 13-0169 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	156.10	
<i>For Hot-Dipped Galvanized, Add</i>	34.23	
<i>For Stainless Steel, Add</i>	136.92	
<i>For Seismic Hook And Eye, Add</i>	14.72	
<b>04 05 19 13-0170 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0162)</small>		
04 05 19 13-0171 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	137.20	
<i>For Hot-Dipped Galvanized, Add</i>	38.91	
<i>For Stainless Steel, Add</i>	155.62	
<i>For Seismic Hook And Eye, Add</i>	16.73	
04 05 19 13-0172 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	144.35	
<i>For Hot-Dipped Galvanized, Add</i>	39.51	
<i>For Stainless Steel, Add</i>	158.04	
<i>For Seismic Hook And Eye, Add</i>	16.99	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0173 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	154.99	
For Hot-Dipped Galvanized, Add	40.38	
For Stainless Steel, Add	161.50	
For Seismic Hook And Eye, Add	17.36	
04 05 19 13-0174 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	162.00	
For Hot-Dipped Galvanized, Add	41.21	
For Stainless Steel, Add	164.84	
For Seismic Hook And Eye, Add	17.72	
04 05 19 13-0175 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	168.42	
For Hot-Dipped Galvanized, Add	42.05	
For Stainless Steel, Add	168.18	
For Seismic Hook And Eye, Add	18.08	
04 05 19 13-0176 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	175.34	
For Hot-Dipped Galvanized, Add	43.85	
For Stainless Steel, Add	175.40	
For Seismic Hook And Eye, Add	18.86	
<b>04 05 19 13-0177 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0162)</b>		
04 05 19 13-0178 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	138.52	
For Hot-Dipped Galvanized, Add	39.57	
For Stainless Steel, Add	158.26	
For Seismic Hook And Eye, Add	17.01	
04 05 19 13-0179 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	147.32	
For Hot-Dipped Galvanized, Add	41.00	
For Stainless Steel, Add	163.98	
For Seismic Hook And Eye, Add	17.63	
04 05 19 13-0180 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	159.06	
For Hot-Dipped Galvanized, Add	42.41	
For Stainless Steel, Add	169.64	
For Seismic Hook And Eye, Add	18.24	
04 05 19 13-0181 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	167.80	
For Hot-Dipped Galvanized, Add	44.11	
For Stainless Steel, Add	176.44	
For Seismic Hook And Eye, Add	18.97	
04 05 19 13-0182 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	175.94	
For Hot-Dipped Galvanized, Add	45.81	
For Stainless Steel, Add	183.22	
For Seismic Hook And Eye, Add	19.70	
04 05 19 13-0183 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	182.62	
For Hot-Dipped Galvanized, Add	47.49	
For Stainless Steel, Add	189.96	
For Seismic Hook And Eye, Add	20.42	
<b>04 05 19 13-0184 Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0002)</b>		
<b>04 05 19 13-0185 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0184)</b>		
04 05 19 13-0186 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	128.80	
For Hot-Dipped Galvanized, Add	31.74	
For Stainless Steel, Add	126.94	
For Seismic Hook And Eye, Add	13.65	
04 05 19 13-0187 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	139.25	
For Hot-Dipped Galvanized, Add	32.51	
For Stainless Steel, Add	130.02	
For Seismic Hook And Eye, Add	13.98	
04 05 19 13-0188 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	146.13	
For Hot-Dipped Galvanized, Add	33.28	
For Stainless Steel, Add	133.10	
For Seismic Hook And Eye, Add	14.31	
04 05 19 13-0189 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	152.84	
For Hot-Dipped Galvanized, Add	34.26	
For Stainless Steel, Add	137.02	
For Seismic Hook And Eye, Add	14.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0190 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	157.93	
<i>For Hot-Dipped Galvanized, Add</i>	35.15	
<i>For Stainless Steel, Add</i>	140.58	
<i>For Seismic Hook And Eye, Add</i>	15.11	
<b>04 05 19 13-0191 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0184)</small>		
04 05 19 13-0192 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	146.05	
<i>For Hot-Dipped Galvanized, Add</i>	40.36	
<i>For Stainless Steel, Add</i>	161.44	
<i>For Seismic Hook And Eye, Add</i>	17.35	
04 05 19 13-0193 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	156.63	
<i>For Hot-Dipped Galvanized, Add</i>	41.20	
<i>For Stainless Steel, Add</i>	164.78	
<i>For Seismic Hook And Eye, Add</i>	17.71	
04 05 19 13-0194 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	163.75	
<i>For Hot-Dipped Galvanized, Add</i>	42.09	
<i>For Stainless Steel, Add</i>	168.34	
<i>For Seismic Hook And Eye, Add</i>	18.10	
04 05 19 13-0195 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	169.93	
<i>For Hot-Dipped Galvanized, Add</i>	42.80	
<i>For Stainless Steel, Add</i>	171.20	
<i>For Seismic Hook And Eye, Add</i>	18.40	
04 05 19 13-0196 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	175.18	
<i>For Hot-Dipped Galvanized, Add</i>	43.77	
<i>For Stainless Steel, Add</i>	175.08	
<i>For Seismic Hook And Eye, Add</i>	18.82	
<b>04 05 19 13-0197 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0184)</small>		
04 05 19 13-0198 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	147.83	
<i>For Hot-Dipped Galvanized, Add</i>	41.25	
<i>For Stainless Steel, Add</i>	165.00	
<i>For Seismic Hook And Eye, Add</i>	17.74	
04 05 19 13-0199 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	159.60	
<i>For Hot-Dipped Galvanized, Add</i>	42.68	
<i>For Stainless Steel, Add</i>	170.72	
<i>For Seismic Hook And Eye, Add</i>	18.35	
04 05 19 13-0200 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	167.80	
<i>For Hot-Dipped Galvanized, Add</i>	44.11	
<i>For Stainless Steel, Add</i>	176.44	
<i>For Seismic Hook And Eye, Add</i>	18.97	
04 05 19 13-0201 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	175.94	
<i>For Hot-Dipped Galvanized, Add</i>	45.81	
<i>For Stainless Steel, Add</i>	183.22	
<i>For Seismic Hook And Eye, Add</i>	19.70	
04 05 19 13-0202 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	182.62	
<i>For Hot-Dipped Galvanized, Add</i>	47.49	
<i>For Stainless Steel, Add</i>	189.96	
<i>For Seismic Hook And Eye, Add</i>	20.42	
<b>04 05 19 13-0203 Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0001)</small>		
<b>04 05 19 13-0204 Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0203)</small>		
<b>04 05 19 13-0205 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0206 CLF #4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	66.13	
<i>For Hot-Dipped Galvanized, Add</i>	12.48	
<i>For Stainless Steel, Add</i>	49.92	
04 05 19 13-0207 CLF #6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	69.22	
<i>For Hot-Dipped Galvanized, Add</i>	12.62	
<i>For Stainless Steel, Add</i>	50.46	
04 05 19 13-0208 CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	74.21	
<i>For Hot-Dipped Galvanized, Add</i>	13.11	
<i>For Stainless Steel, Add</i>	52.44	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0209	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	80.31		
		<i>For Hot-Dipped Galvanized, Add</i>	13.76		
		<i>For Stainless Steel, Add</i>	55.04		
04 05 19 13-0210	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	87.63		
		<i>For Hot-Dipped Galvanized, Add</i>	14.49		
		<i>For Stainless Steel, Add</i>	57.94		
04 05 19 13-0211	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	93.11		
		<i>For Hot-Dipped Galvanized, Add</i>	14.88		
		<i>For Stainless Steel, Add</i>	59.52		
04 05 19 13-0212	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	96.88		
		<i>For Hot-Dipped Galvanized, Add</i>	15.45		
		<i>For Stainless Steel, Add</i>	61.78		
04 05 19 13-0213	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	114.12		
		<i>For Hot-Dipped Galvanized, Add</i>	21.70		
		<i>For Stainless Steel, Add</i>	86.78		
04 05 19 13-0214	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	120.82		
		<i>For Hot-Dipped Galvanized, Add</i>	22.94		
		<i>For Stainless Steel, Add</i>	91.74		
04 05 19 13-0215	CLF	#20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	159.59		
		<i>For Hot-Dipped Galvanized, Add</i>	39.68		
		<i>For Stainless Steel, Add</i>	158.70		
<b>04 05 19 13-0216</b>		<b>Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>			
04 05 19 13-0217	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	75.79		
		<i>For Hot-Dipped Galvanized, Add</i>	17.31		
		<i>For Stainless Steel, Add</i>	69.22		
04 05 19 13-0218	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	79.08		
		<i>For Hot-Dipped Galvanized, Add</i>	17.55		
		<i>For Stainless Steel, Add</i>	70.18		
04 05 19 13-0219	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	84.08		
		<i>For Hot-Dipped Galvanized, Add</i>	18.05		
		<i>For Stainless Steel, Add</i>	72.18		
04 05 19 13-0220	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	90.15		
		<i>For Hot-Dipped Galvanized, Add</i>	18.68		
		<i>For Stainless Steel, Add</i>	74.72		
04 05 19 13-0221	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	97.34		
		<i>For Hot-Dipped Galvanized, Add</i>	19.34		
		<i>For Stainless Steel, Add</i>	77.36		
04 05 19 13-0222	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	102.92		
		<i>For Hot-Dipped Galvanized, Add</i>	19.80		
		<i>For Stainless Steel, Add</i>	79.18		
04 05 19 13-0223	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	106.55		
		<i>For Hot-Dipped Galvanized, Add</i>	20.28		
		<i>For Stainless Steel, Add</i>	81.12		
04 05 19 13-0224	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	127.11		
		<i>For Hot-Dipped Galvanized, Add</i>	28.19		
		<i>For Stainless Steel, Add</i>	112.76		
04 05 19 13-0225	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	133.81		
		<i>For Hot-Dipped Galvanized, Add</i>	29.43		
		<i>For Stainless Steel, Add</i>	117.72		
04 05 19 13-0226	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	186.16		
		<i>For Hot-Dipped Galvanized, Add</i>	55.61		
		<i>For Stainless Steel, Add</i>	222.42		
<b>04 05 19 13-0227</b>		<b>Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>			
04 05 19 13-0228	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	90.56		
		<i>For Hot-Dipped Galvanized, Add</i>	24.69		
		<i>For Stainless Steel, Add</i>	98.76		
04 05 19 13-0229	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	94.35		
		<i>For Hot-Dipped Galvanized, Add</i>	25.00		
		<i>For Stainless Steel, Add</i>	100.00		
04 05 19 13-0230	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	99.34		
		<i>For Hot-Dipped Galvanized, Add</i>	25.92		
		<i>For Stainless Steel, Add</i>	103.66		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0231 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	107.13	
<i>For Hot-Dipped Galvanized, Add</i>	27.17	
<i>For Stainless Steel, Add</i>	108.68	
04 05 19 13-0232 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	115.54	
<i>For Hot-Dipped Galvanized, Add</i>	28.73	
<i>For Stainless Steel, Add</i>	114.92	
04 05 19 13-0233 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	122.24	
<i>For Hot-Dipped Galvanized, Add</i>	29.45	
<i>For Stainless Steel, Add</i>	117.78	
04 05 19 13-0234 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	127.01	
<i>For Hot-Dipped Galvanized, Add</i>	30.51	
<i>For Stainless Steel, Add</i>	122.04	
04 05 19 13-0235 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	156.39	
<i>For Hot-Dipped Galvanized, Add</i>	42.83	
<i>For Stainless Steel, Add</i>	171.30	
04 05 19 13-0236 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	165.47	
<i>For Hot-Dipped Galvanized, Add</i>	45.26	
<i>For Stainless Steel, Add</i>	181.02	
04 05 19 13-0237 CLF #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	236.73	
<i>For Hot-Dipped Galvanized, Add</i>	78.25	
<i>For Stainless Steel, Add</i>	312.98	
<b>04 05 19 13-0238 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0239 CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	81.25	
<i>For Hot-Dipped Galvanized, Add</i>	20.04	
<i>For Stainless Steel, Add</i>	80.14	
04 05 19 13-0240 CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	84.93	
<i>For Hot-Dipped Galvanized, Add</i>	20.47	
<i>For Stainless Steel, Add</i>	81.88	
04 05 19 13-0241 CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	89.93	
<i>For Hot-Dipped Galvanized, Add</i>	20.97	
<i>For Stainless Steel, Add</i>	83.88	
04 05 19 13-0242 CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	95.86	
<i>For Hot-Dipped Galvanized, Add</i>	21.54	
<i>For Stainless Steel, Add</i>	86.14	
04 05 19 13-0243 CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	102.84	
<i>For Hot-Dipped Galvanized, Add</i>	22.09	
<i>For Stainless Steel, Add</i>	88.36	
04 05 19 13-0244 CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	108.07	
<i>For Hot-Dipped Galvanized, Add</i>	22.36	
<i>For Stainless Steel, Add</i>	89.44	
04 05 19 13-0245 CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	111.83	
<i>For Hot-Dipped Galvanized, Add</i>	22.67	
<i>For Stainless Steel, Add</i>	90.66	
04 05 19 13-0246 CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	124.64	
<i>For Hot-Dipped Galvanized, Add</i>	26.95	
<i>For Stainless Steel, Add</i>	107.80	
<b>04 05 19 13-0247 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0248 CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	91.00	
<i>For Hot-Dipped Galvanized, Add</i>	24.91	
<i>For Stainless Steel, Add</i>	99.64	
04 05 19 13-0249 CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	94.81	
<i>For Hot-Dipped Galvanized, Add</i>	25.41	
<i>For Stainless Steel, Add</i>	101.64	
04 05 19 13-0250 CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	99.92	
<i>For Hot-Dipped Galvanized, Add</i>	25.97	
<i>For Stainless Steel, Add</i>	103.86	
04 05 19 13-0251 CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	105.75	
<i>For Hot-Dipped Galvanized, Add</i>	26.48	
<i>For Stainless Steel, Add</i>	105.92	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0252	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	112.69	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	27.02	
		<i>For Stainless Steel, Add</i>	.....	108.06	
04 05 19 13-0253	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	117.95	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	27.31	
		<i>For Stainless Steel, Add</i>	.....	109.24	
04 05 19 13-0254	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	121.68	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	27.58	
		<i>For Stainless Steel, Add</i>	.....	110.32	
04 05 19 13-0255	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	137.62	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	33.45	
		<i>For Stainless Steel, Add</i>	.....	133.78	
04 05 19 13-0256	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	168.30	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	46.68	
		<i>For Stainless Steel, Add</i>	.....	186.72	
<b>04 05 19 13-0257</b>		<b>Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement</b>			
		<small>(04 05 19 13-0204)</small>			
04 05 19 13-0258	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	100.45	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	29.64	
		<i>For Stainless Steel, Add</i>	.....	118.54	
04 05 19 13-0259	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	105.65	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	30.65	
		<i>For Stainless Steel, Add</i>	.....	122.60	
04 05 19 13-0260	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	110.84	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	31.67	
		<i>For Stainless Steel, Add</i>	.....	126.66	
04 05 19 13-0261	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	118.53	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	32.87	
		<i>For Stainless Steel, Add</i>	.....	131.48	
04 05 19 13-0262	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	126.23	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	34.08	
		<i>For Stainless Steel, Add</i>	.....	136.30	
04 05 19 13-0263	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	132.78	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	34.72	
		<i>For Stainless Steel, Add</i>	.....	138.86	
04 05 19 13-0264	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	136.53	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	35.27	
		<i>For Stainless Steel, Add</i>	.....	141.08	
04 05 19 13-0265	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	143.49	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	36.38	
		<i>For Stainless Steel, Add</i>	.....	145.50	
04 05 19 13-0266	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	180.97	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	53.01	
		<i>For Stainless Steel, Add</i>	.....	212.02	
<b>04 05 19 13-0267</b>		<b>Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b>			
		<small>(04 05 19 13-0204)</small>			
04 05 19 13-0268	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	103.71	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	31.27	
		<i>For Stainless Steel, Add</i>	.....	125.06	
04 05 19 13-0269	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	107.39	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	31.70	
		<i>For Stainless Steel, Add</i>	.....	126.80	
04 05 19 13-0270	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	112.39	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	32.20	
		<i>For Stainless Steel, Add</i>	.....	128.80	
04 05 19 13-0271	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	118.32	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	32.77	
		<i>For Stainless Steel, Add</i>	.....	131.06	
04 05 19 13-0272	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	125.30	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	33.32	
		<i>For Stainless Steel, Add</i>	.....	133.28	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0273 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	130.53	
<i>For Hot-Dipped Galvanized, Add</i> .....	33.59	
<i>For Stainless Steel, Add</i> .....	134.36	
04 05 19 13-0274 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	134.29	
<i>For Hot-Dipped Galvanized, Add</i> .....	33.90	
<i>For Stainless Steel, Add</i> .....	135.58	
04 05 19 13-0275 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	147.11	
<i>For Hot-Dipped Galvanized, Add</i> .....	38.19	
<i>For Stainless Steel, Add</i> .....	152.74	
04 05 19 13-0276 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	168.49	
<i>For Hot-Dipped Galvanized, Add</i> .....	46.77	
<i>For Stainless Steel, Add</i> .....	187.08	
<b>04 05 19 13-0277 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0278 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	113.46	
<i>For Hot-Dipped Galvanized, Add</i> .....	36.14	
<i>For Stainless Steel, Add</i> .....	144.56	
04 05 19 13-0279 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	117.27	
<i>For Hot-Dipped Galvanized, Add</i> .....	36.64	
<i>For Stainless Steel, Add</i> .....	146.56	
04 05 19 13-0280 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	122.38	
<i>For Hot-Dipped Galvanized, Add</i> .....	37.20	
<i>For Stainless Steel, Add</i> .....	148.78	
04 05 19 13-0281 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	128.21	
<i>For Hot-Dipped Galvanized, Add</i> .....	37.71	
<i>For Stainless Steel, Add</i> .....	150.84	
04 05 19 13-0282 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	135.15	
<i>For Hot-Dipped Galvanized, Add</i> .....	38.25	
<i>For Stainless Steel, Add</i> .....	152.98	
04 05 19 13-0283 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	140.41	
<i>For Hot-Dipped Galvanized, Add</i> .....	38.54	
<i>For Stainless Steel, Add</i> .....	154.16	
04 05 19 13-0284 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	144.14	
<i>For Hot-Dipped Galvanized, Add</i> .....	38.81	
<i>For Stainless Steel, Add</i> .....	155.24	
04 05 19 13-0285 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	160.08	
<i>For Hot-Dipped Galvanized, Add</i> .....	44.68	
<i>For Stainless Steel, Add</i> .....	178.70	
04 05 19 13-0286 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	190.76	
<i>For Hot-Dipped Galvanized, Add</i> .....	57.91	
<i>For Stainless Steel, Add</i> .....	231.64	
<b>04 05 19 13-0287 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0288 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	122.91	
<i>For Hot-Dipped Galvanized, Add</i> .....	40.87	
<i>For Stainless Steel, Add</i> .....	163.46	
04 05 19 13-0289 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	128.11	
<i>For Hot-Dipped Galvanized, Add</i> .....	41.88	
<i>For Stainless Steel, Add</i> .....	167.52	
04 05 19 13-0290 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	133.30	
<i>For Hot-Dipped Galvanized, Add</i> .....	42.90	
<i>For Stainless Steel, Add</i> .....	171.58	
04 05 19 13-0291 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	140.99	
<i>For Hot-Dipped Galvanized, Add</i> .....	44.10	
<i>For Stainless Steel, Add</i> .....	176.40	
04 05 19 13-0292 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	148.69	
<i>For Hot-Dipped Galvanized, Add</i> .....	45.31	
<i>For Stainless Steel, Add</i> .....	181.22	
04 05 19 13-0293 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	155.25	
<i>For Hot-Dipped Galvanized, Add</i> .....	45.95	
<i>For Stainless Steel, Add</i> .....	183.80	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
04 05 19 13-0294	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	158.99	
	<i>For Hot-Dipped Galvanized, Add</i> .....	46.50	
	<i>For Stainless Steel, Add</i> .....	186.00	
04 05 19 13-0295	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	165.95	
	<i>For Hot-Dipped Galvanized, Add</i> .....	47.61	
	<i>For Stainless Steel, Add</i> .....	190.42	
04 05 19 13-0296	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	203.43	
	<i>For Hot-Dipped Galvanized, Add</i> .....	64.24	
	<i>For Stainless Steel, Add</i> .....	256.94	
04 05 19 13-0297	<b>Truss-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0203)</small>		
04 05 19 13-0298	<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0297)</small>		
04 05 19 13-0299	CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	92.57	
	<i>For Hot-Dipped Galvanized, Add</i> .....	19.56	
	<i>For Stainless Steel, Add</i> .....	78.22	
04 05 19 13-0300	CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	100.38	
	<i>For Hot-Dipped Galvanized, Add</i> .....	20.50	
	<i>For Stainless Steel, Add</i> .....	81.98	
04 05 19 13-0301	CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	108.72	
	<i>For Hot-Dipped Galvanized, Add</i> .....	21.70	
	<i>For Stainless Steel, Add</i> .....	86.78	
04 05 19 13-0302	CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	116.31	
	<i>For Hot-Dipped Galvanized, Add</i> .....	22.52	
	<i>For Stainless Steel, Add</i> .....	90.08	
04 05 19 13-0303	CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	120.65	
	<i>For Hot-Dipped Galvanized, Add</i> .....	23.21	
	<i>For Stainless Steel, Add</i> .....	92.82	
04 05 19 13-0304	CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	129.31	
	<i>For Hot-Dipped Galvanized, Add</i> .....	24.87	
	<i>For Stainless Steel, Add</i> .....	99.46	
04 05 19 13-0305	CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	137.37	
	<i>For Hot-Dipped Galvanized, Add</i> .....	26.52	
	<i>For Stainless Steel, Add</i> .....	106.08	
04 05 19 13-0306	<b>3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0297)</small>		
04 05 19 13-0307	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	104.75	
	<i>For Hot-Dipped Galvanized, Add</i> .....	25.65	
	<i>For Stainless Steel, Add</i> .....	102.58	
04 05 19 13-0308	CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	112.59	
	<i>For Hot-Dipped Galvanized, Add</i> .....	26.60	
	<i>For Stainless Steel, Add</i> .....	106.40	
04 05 19 13-0309	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	120.88	
	<i>For Hot-Dipped Galvanized, Add</i> .....	27.78	
	<i>For Stainless Steel, Add</i> .....	111.10	
04 05 19 13-0310	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	128.49	
	<i>For Hot-Dipped Galvanized, Add</i> .....	28.61	
	<i>For Stainless Steel, Add</i> .....	114.44	
04 05 19 13-0311	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	132.75	
	<i>For Hot-Dipped Galvanized, Add</i> .....	29.26	
	<i>For Stainless Steel, Add</i> .....	117.02	
04 05 19 13-0312	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	141.44	
	<i>For Hot-Dipped Galvanized, Add</i> .....	30.93	
	<i>For Stainless Steel, Add</i> .....	123.72	
04 05 19 13-0313	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	149.55	
	<i>For Hot-Dipped Galvanized, Add</i> .....	32.61	
	<i>For Stainless Steel, Add</i> .....	130.44	
04 05 19 13-0314	<b>3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0297)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0315 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	116.04	
<i>For Hot-Dipped Galvanized, Add</i>	31.29	
<i>For Stainless Steel, Add</i>	125.16	
04 05 19 13-0316 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	124.94	
<i>For Hot-Dipped Galvanized, Add</i>	32.78	
<i>For Stainless Steel, Add</i>	131.10	
04 05 19 13-0317 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	134.95	
<i>For Hot-Dipped Galvanized, Add</i>	34.81	
<i>For Stainless Steel, Add</i>	139.24	
04 05 19 13-0318 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	143.10	
<i>For Hot-Dipped Galvanized, Add</i>	35.92	
<i>For Stainless Steel, Add</i>	143.66	
04 05 19 13-0319 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	148.28	
<i>For Hot-Dipped Galvanized, Add</i>	37.02	
<i>For Stainless Steel, Add</i>	148.08	
04 05 19 13-0320 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	158.60	
<i>For Hot-Dipped Galvanized, Add</i>	39.51	
<i>For Stainless Steel, Add</i>	158.04	
04 05 19 13-0321 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	167.48	
<i>For Hot-Dipped Galvanized, Add</i>	41.58	
<i>For Stainless Steel, Add</i>	166.30	
 04 05 19 13-0322 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
 04 05 19 13-0323 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0322)</small>		
04 05 19 13-0324 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	130.54	
<i>For Hot-Dipped Galvanized, Add</i>	38.54	
<i>For Stainless Steel, Add</i>	154.16	
04 05 19 13-0325 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	137.01	
<i>For Hot-Dipped Galvanized, Add</i>	38.81	
<i>For Stainless Steel, Add</i>	155.24	
04 05 19 13-0326 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	144.84	
<i>For Hot-Dipped Galvanized, Add</i>	39.76	
<i>For Stainless Steel, Add</i>	159.02	
04 05 19 13-0327 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	156.26	
<i>For Hot-Dipped Galvanized, Add</i>	41.01	
<i>For Stainless Steel, Add</i>	164.04	
04 05 19 13-0328 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	164.56	
<i>For Hot-Dipped Galvanized, Add</i>	42.49	
<i>For Stainless Steel, Add</i>	169.96	
04 05 19 13-0329 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	172.92	
<i>For Hot-Dipped Galvanized, Add</i>	44.30	
<i>For Stainless Steel, Add</i>	177.18	
 04 05 19 13-0330 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0322)</small>		
04 05 19 13-0331 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	149.38	
<i>For Hot-Dipped Galvanized, Add</i>	47.96	
<i>For Stainless Steel, Add</i>	191.84	
04 05 19 13-0332 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	156.12	
<i>For Hot-Dipped Galvanized, Add</i>	48.37	
<i>For Stainless Steel, Add</i>	193.46	
04 05 19 13-0333 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	163.95	
<i>For Hot-Dipped Galvanized, Add</i>	49.31	
<i>For Stainless Steel, Add</i>	197.24	
04 05 19 13-0334 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	175.31	
<i>For Hot-Dipped Galvanized, Add</i>	50.54	
<i>For Stainless Steel, Add</i>	202.14	
04 05 19 13-0335 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	183.37	
<i>For Hot-Dipped Galvanized, Add</i>	51.90	
<i>For Stainless Steel, Add</i>	207.58	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0336 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	190.87	
For Hot-Dipped Galvanized, Add	53.27	
For Stainless Steel, Add	213.08	
<b>04 05 19 13-0337 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> (04 05 19 13-0322)		
04 05 19 13-0338 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	159.71	
For Hot-Dipped Galvanized, Add	53.13	
For Stainless Steel, Add	212.50	
04 05 19 13-0339 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	166.45	
For Hot-Dipped Galvanized, Add	53.53	
For Stainless Steel, Add	214.12	
04 05 19 13-0340 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	175.35	
For Hot-Dipped Galvanized, Add	55.01	
For Stainless Steel, Add	220.04	
04 05 19 13-0341 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	188.14	
For Hot-Dipped Galvanized, Add	56.95	
For Stainless Steel, Add	227.80	
04 05 19 13-0342 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	198.39	
For Hot-Dipped Galvanized, Add	59.41	
For Stainless Steel, Add	237.62	
04 05 19 13-0343 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	208.58	
For Hot-Dipped Galvanized, Add	62.13	
For Stainless Steel, Add	248.50	
<b>04 05 19 13-0344 Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> (04 05 19 13-0203)		
<b>04 05 19 13-0345 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> (04 05 19 13-0344)		
04 05 19 13-0346 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	140.06	
For Hot-Dipped Galvanized, Add	40.34	
For Stainless Steel, Add	161.34	
04 05 19 13-0347 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	146.56	
For Hot-Dipped Galvanized, Add	40.62	
For Stainless Steel, Add	162.46	
04 05 19 13-0348 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	157.31	
For Hot-Dipped Galvanized, Add	41.54	
For Stainless Steel, Add	166.14	
04 05 19 13-0349 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	165.13	
For Hot-Dipped Galvanized, Add	42.78	
For Stainless Steel, Add	171.10	
04 05 19 13-0350 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	172.90	
For Hot-Dipped Galvanized, Add	44.29	
For Stainless Steel, Add	177.14	
04 05 19 13-0351 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	179.28	
For Hot-Dipped Galvanized, Add	45.82	
For Stainless Steel, Add	183.28	
<b>04 05 19 13-0352 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> (04 05 19 13-0344)		
04 05 19 13-0353 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	158.84	
For Hot-Dipped Galvanized, Add	49.73	
For Stainless Steel, Add	198.90	
04 05 19 13-0354 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	165.59	
For Hot-Dipped Galvanized, Add	50.13	
For Stainless Steel, Add	200.52	
04 05 19 13-0355 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	176.39	
For Hot-Dipped Galvanized, Add	51.08	
For Stainless Steel, Add	204.30	
04 05 19 13-0356 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	184.21	
For Hot-Dipped Galvanized, Add	52.32	
For Stainless Steel, Add	209.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0357 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	191.68	
<i>For Hot-Dipped Galvanized, Add</i>	53.68	
<i>For Stainless Steel, Add</i>	214.70	
04 05 19 13-0358 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	198.23	
<i>For Hot-Dipped Galvanized, Add</i>	55.30	
<i>For Stainless Steel, Add</i>	221.18	
<b>04 05 19 13-0359 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0344)</small>		
04 05 19 13-0360 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	169.19	
<i>For Hot-Dipped Galvanized, Add</i>	54.90	
<i>For Stainless Steel, Add</i>	219.60	
04 05 19 13-0361 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	175.92	
<i>For Hot-Dipped Galvanized, Add</i>	55.30	
<i>For Stainless Steel, Add</i>	221.18	
04 05 19 13-0362 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	187.84	
<i>For Hot-Dipped Galvanized, Add</i>	56.80	
<i>For Stainless Steel, Add</i>	227.20	
04 05 19 13-0363 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	197.04	
<i>For Hot-Dipped Galvanized, Add</i>	58.73	
<i>For Stainless Steel, Add</i>	234.92	
04 05 19 13-0364 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	206.67	
<i>For Hot-Dipped Galvanized, Add</i>	61.17	
<i>For Stainless Steel, Add</i>	244.68	
04 05 19 13-0365 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	213.70	
<i>For Hot-Dipped Galvanized, Add</i>	63.03	
<i>For Stainless Steel, Add</i>	252.12	
<b>04 05 19 13-0366 Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0203)</small>		
<b>04 05 19 13-0367 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0366)</small>		
04 05 19 13-0368 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	132.81	
<i>For Hot-Dipped Galvanized, Add</i>	36.71	
<i>For Stainless Steel, Add</i>	146.84	
<i>For Seismic Hook And Eye, Add</i>	15.79	
04 05 19 13-0369 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	139.26	
<i>For Hot-Dipped Galvanized, Add</i>	36.97	
<i>For Stainless Steel, Add</i>	147.86	
<i>For Seismic Hook And Eye, Add</i>	15.89	
04 05 19 13-0370 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	149.76	
<i>For Hot-Dipped Galvanized, Add</i>	37.76	
<i>For Stainless Steel, Add</i>	151.04	
<i>For Seismic Hook And Eye, Add</i>	16.24	
04 05 19 13-0371 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	157.39	
<i>For Hot-Dipped Galvanized, Add</i>	38.91	
<i>For Stainless Steel, Add</i>	155.62	
<i>For Seismic Hook And Eye, Add</i>	16.73	
04 05 19 13-0372 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	164.51	
<i>For Hot-Dipped Galvanized, Add</i>	40.09	
<i>For Stainless Steel, Add</i>	160.36	
<i>For Seismic Hook And Eye, Add</i>	17.24	
04 05 19 13-0373 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	170.73	
<i>For Hot-Dipped Galvanized, Add</i>	41.55	
<i>For Stainless Steel, Add</i>	166.18	
<i>For Seismic Hook And Eye, Add</i>	17.86	
<b>04 05 19 13-0374 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0366)</small>		
04 05 19 13-0375 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	150.11	
<i>For Hot-Dipped Galvanized, Add</i>	45.36	
<i>For Stainless Steel, Add</i>	181.44	
<i>For Seismic Hook And Eye, Add</i>	19.50	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0376 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	156.75	
For Hot-Dipped Galvanized, Add	45.71	
For Stainless Steel, Add	182.84	
For Seismic Hook And Eye, Add	19.66	
04 05 19 13-0377 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	167.12	
For Hot-Dipped Galvanized, Add	46.44	
For Stainless Steel, Add	185.76	
For Seismic Hook And Eye, Add	19.97	
04 05 19 13-0378 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	174.64	
For Hot-Dipped Galvanized, Add	47.53	
For Stainless Steel, Add	190.12	
For Seismic Hook And Eye, Add	20.44	
04 05 19 13-0379 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	181.74	
For Hot-Dipped Galvanized, Add	48.71	
For Stainless Steel, Add	194.82	
For Seismic Hook And Eye, Add	20.94	
04 05 19 13-0380 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	187.63	
For Hot-Dipped Galvanized, Add	50.00	
For Stainless Steel, Add	199.98	
For Seismic Hook And Eye, Add	21.50	
<b>04 05 19 13-0381 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0386)</b>		
04 05 19 13-0382 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	160.57	
For Hot-Dipped Galvanized, Add	50.59	
For Stainless Steel, Add	202.36	
For Seismic Hook And Eye, Add	21.75	
04 05 19 13-0383 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	167.29	
For Hot-Dipped Galvanized, Add	50.98	
For Stainless Steel, Add	203.92	
For Seismic Hook And Eye, Add	21.92	
04 05 19 13-0384 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	179.03	
For Hot-Dipped Galvanized, Add	52.40	
For Stainless Steel, Add	209.58	
For Seismic Hook And Eye, Add	22.53	
04 05 19 13-0385 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	188.06	
For Hot-Dipped Galvanized, Add	54.24	
For Stainless Steel, Add	216.96	
For Seismic Hook And Eye, Add	23.32	
04 05 19 13-0386 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	197.48	
For Hot-Dipped Galvanized, Add	56.58	
For Stainless Steel, Add	226.30	
For Seismic Hook And Eye, Add	24.33	
04 05 19 13-0387 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	205.96	
For Hot-Dipped Galvanized, Add	59.16	
For Stainless Steel, Add	236.64	
For Seismic Hook And Eye, Add	25.44	
<b>04 05 19 13-0388 Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0203)</b>		
<b>04 05 19 13-0389 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall (04 05 19 13-0388)</b>		
04 05 19 13-0390 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	142.20	
For Hot-Dipped Galvanized, Add	38.44	
For Stainless Steel, Add	153.74	
For Seismic Hook And Eye, Add	16.53	
04 05 19 13-0391 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	151.65	
For Hot-Dipped Galvanized, Add	38.71	
For Stainless Steel, Add	154.82	
For Seismic Hook And Eye, Add	16.64	
04 05 19 13-0392 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	158.69	
For Hot-Dipped Galvanized, Add	39.56	
For Stainless Steel, Add	158.22	
For Seismic Hook And Eye, Add	17.01	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	04 05 19 13-0393	CLF		#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	165.86	
				<i>For Hot-Dipped Galvanized, Add</i> .....	40.77	
				<i>For Stainless Steel, Add</i> .....	163.06	
				<i>For Seismic Hook And Eye, Add</i> .....	17.53	
	04 05 19 13-0394	CLF		#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	171.97	
				<i>For Hot-Dipped Galvanized, Add</i> .....	42.17	
				<i>For Stainless Steel, Add</i> .....	168.66	
				<i>For Seismic Hook And Eye, Add</i> .....	18.13	
	<b>04 05 19 13-0395</b>			<b>3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0388)</small>		
	04 05 19 13-0396	CLF		#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	160.85	
				<i>For Hot-Dipped Galvanized, Add</i> .....	47.76	
				<i>For Stainless Steel, Add</i> .....	191.04	
				<i>For Seismic Hook And Eye, Add</i> .....	20.54	
	04 05 19 13-0397	CLF		#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	170.35	
				<i>For Hot-Dipped Galvanized, Add</i> .....	48.06	
				<i>For Stainless Steel, Add</i> .....	192.22	
				<i>For Seismic Hook And Eye, Add</i> .....	20.66	
	04 05 19 13-0398	CLF		#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	177.34	
				<i>For Hot-Dipped Galvanized, Add</i> .....	48.88	
				<i>For Stainless Steel, Add</i> .....	195.52	
				<i>For Seismic Hook And Eye, Add</i> .....	21.02	
	04 05 19 13-0399	CLF		#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	184.30	
				<i>For Hot-Dipped Galvanized, Add</i> .....	49.99	
				<i>For Stainless Steel, Add</i> .....	199.94	
				<i>For Seismic Hook And Eye, Add</i> .....	21.49	
	04 05 19 13-0400	CLF		#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	189.87	
				<i>For Hot-Dipped Galvanized, Add</i> .....	51.12	
				<i>For Stainless Steel, Add</i> .....	204.46	
				<i>For Seismic Hook And Eye, Add</i> .....	21.98	
	<b>04 05 19 13-0401</b>			<b>3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0388)</small>		
	04 05 19 13-0402	CLF		#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	169.91	
				<i>For Hot-Dipped Galvanized, Add</i> .....	52.29	
				<i>For Stainless Steel, Add</i> .....	209.16	
				<i>For Seismic Hook And Eye, Add</i> .....	22.48	
	04 05 19 13-0403	CLF		#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	179.57	
				<i>For Hot-Dipped Galvanized, Add</i> .....	52.67	
				<i>For Stainless Steel, Add</i> .....	210.66	
				<i>For Seismic Hook And Eye, Add</i> .....	22.65	
	04 05 19 13-0404	CLF		#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	187.77	
				<i>For Hot-Dipped Galvanized, Add</i> .....	54.10	
				<i>For Stainless Steel, Add</i> .....	216.38	
				<i>For Seismic Hook And Eye, Add</i> .....	23.26	
	04 05 19 13-0405	CLF		#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	196.18	
				<i>For Hot-Dipped Galvanized, Add</i> .....	55.93	
				<i>For Stainless Steel, Add</i> .....	223.70	
				<i>For Seismic Hook And Eye, Add</i> .....	24.05	
	04 05 19 13-0406	CLF		#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	204.16	
				<i>For Hot-Dipped Galvanized, Add</i> .....	58.26	
				<i>For Stainless Steel, Add</i> .....	233.04	
				<i>For Seismic Hook And Eye, Add</i> .....	25.05	
	<b>04 05 19 16</b>			<b>Masonry Anchors</b> <small>(04 05 19)</small>		
	04 05 19 16-0001			Rectangular, Wire Masonry Wall Ties <small>(04 05 19 16)</small>		
	04 05 19 16-0002			Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties <small>(04 05 19 16-0001)</small>		
	04 05 19 16-0003	EA		2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.24	
	04 05 19 16-0004	EA		2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.30	
	04 05 19 16-0005	EA		2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.35	
	04 05 19 16-0006	EA		2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.42	
	04 05 19 16-0007	EA		2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.48	
	04 05 19 16-0008	EA		4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.35	
	04 05 19 16-0009	EA		4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.42	
	04 05 19 16-0010	EA		4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.48	
	04 05 19 16-0011	EA		4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.55	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>04 05 19 16-0012</b>	<b>Mill Galvanized, Rectangular, Wire Masonry Wall Ties</b> <small>(04 05 19 16-0001)</small>	
04 05 19 16-0013	EA 2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.15
04 05 19 16-0014	EA 2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.17
04 05 19 16-0015	EA 2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.19
04 05 19 16-0016	EA 2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.23
04 05 19 16-0017	EA 2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.27
04 05 19 16-0018	EA 4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.19
04 05 19 16-0019	EA 4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.23
04 05 19 16-0020	EA 4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.27
04 05 19 16-0021	EA 4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.30
<b>04 05 19 16-0022</b>	<b>Z-Type, Wire Masonry Wall Ties</b> <small>(04 05 19 16)</small>	
<b>04 05 19 16-0023</b>	<b>Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties</b> <small>(04 05 19 16-0022)</small>	
04 05 19 16-0024	EA 6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.15
04 05 19 16-0025	EA 8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.18
04 05 19 16-0026	EA 10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.28
04 05 19 16-0027	EA 12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.32
04 05 19 16-0028	EA 6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.33
04 05 19 16-0029	EA 8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.39
04 05 19 16-0030	EA 10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.47
04 05 19 16-0031	EA 12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.51
<b>04 05 19 16-0032</b>	<b>Mill Galvanized, Z-Type, Wire Masonry Wall Ties</b> <small>(04 05 19 16-0022)</small>	
04 05 19 16-0033	EA 6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.08
04 05 19 16-0034	EA 8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.09
04 05 19 16-0035	EA 10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.16
04 05 19 16-0036	EA 12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.18
04 05 19 16-0037	EA 6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.19
04 05 19 16-0038	EA 8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.23
04 05 19 16-0039	EA 10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.27
04 05 19 16-0040	EA 12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.31
<b>04 05 19 16-0041</b>	<b>Wire Beam Ties</b> <small>(04 05 19 16)</small>	
<b>04 05 19 16-0042</b>	<b>Hot-Dipped Galvanized, Wire Beam Ties</b> <small>(04 05 19 16-0041)</small>	
04 05 19 16-0043	EA 2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie .....	1.41
04 05 19 16-0044	EA 4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie .....	1.44
04 05 19 16-0045	EA 6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie .....	1.46
04 05 19 16-0046	EA 8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie .....	1.48
04 05 19 16-0047	EA 10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie .....	1.52
<b>04 05 19 16-0048</b>	<b>Mill Galvanized, Wire Beam Ties</b> <small>(04 05 19 16-0041)</small>	
04 05 19 16-0049	EA 2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie .....	1.61
04 05 19 16-0050	EA 4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie .....	1.66
04 05 19 16-0051	EA 6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie .....	1.72
04 05 19 16-0052	EA 8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie .....	1.75
04 05 19 16-0053	EA 10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie .....	1.79
<b>04 05 19 16-0054</b>	<b>Adjustable Double Pintle, Wire Masonry Wall Ties</b> <small>(04 05 19 16)</small>	
<b>04 05 19 16-0055</b>	<b>Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties</b> <small>(04 05 19 16-0054)</small>	
04 05 19 16-0056	EA 6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.52
04 05 19 16-0057	EA 7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.58
04 05 19 16-0058	EA 8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.59
04 05 19 16-0059	EA 9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.63
04 05 19 16-0060	EA 10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.65
<b>04 05 19 16-0061</b>	<b>Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties</b> <small>(04 05 19 16-0054)</small>	
04 05 19 16-0062	EA 6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.35
04 05 19 16-0063	EA 7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.38
04 05 19 16-0064	EA 8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.40
04 05 19 16-0065	EA 9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.42
04 05 19 16-0066	EA 10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.43
<b>04 05 19 16-0067</b>	<b>Corrugated Buck (Brick) Anchors</b> <small>(04 05 19 16)</small>	
<b>04 05 19 16-0068</b>	<b>Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors</b> <small>(04 05 19 16-0067)</small>	
04 05 19 16-0069	EA 3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.77
04 05 19 16-0070	EA 4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.82
04 05 19 16-0071	EA 5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.88





	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0072	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.93	
04 05 19 16-0073	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.98	
04 05 19 16-0074	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.81	
04 05 19 16-0075	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.87	
04 05 19 16-0076	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.93	
04 05 19 16-0077	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.99	
04 05 19 16-0078	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.05	
<b>04 05 19 16-0079</b>	<b>Mill Galvanized, Corrugated Buck (Brick) Anchors</b> <small>(04 05 19 16-0067)</small>			
04 05 19 16-0080	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.58	
04 05 19 16-0081	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.62	
04 05 19 16-0082	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.66	
04 05 19 16-0083	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.70	
04 05 19 16-0084	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.74	
04 05 19 16-0085	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.61	
04 05 19 16-0086	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.66	
04 05 19 16-0087	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.70	
04 05 19 16-0088	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.74	
04 05 19 16-0089	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.78	
<b>04 05 19 16-0090</b>	<b>Corrugated Wall Ties</b> <small>(04 05 19 16)</small>			
<b>04 05 19 16-0091</b>	<b>Hot-Dipped Galvanized, Corrugated Wall Ties</b> <small>(04 05 19 16-0090)</small>			
04 05 19 16-0092	EA	7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.08	
04 05 19 16-0093	EA	7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.12	
04 05 19 16-0094	EA	7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.14	
04 05 19 16-0095	EA	7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.15	
04 05 19 16-0096	EA	7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.30	
<b>04 05 19 16-0097</b>	<b>Mill Galvanized, Corrugated Wall Ties</b> <small>(04 05 19 16-0090)</small>			
04 05 19 16-0098	EA	7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.09	
04 05 19 16-0099	EA	7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.11	
04 05 19 16-0100	EA	7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.12	
04 05 19 16-0101	EA	7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.23	
<b>04 05 19 16-0102</b>	<b>Stainless Steel, Corrugated Wall Ties</b> <small>(04 05 19 16-0090)</small>			
04 05 19 16-0103	EA	7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.46	
04 05 19 16-0104	EA	7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.52	
04 05 19 16-0105	EA	7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.59	
04 05 19 16-0106	EA	7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.65	
04 05 19 16-0107	EA	7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.98	
<b>04 05 19 16-0108</b>	<b>Wire Mesh Wall Ties</b> <small>(04 05 19 16)</small>			
Note: 1/2" square mesh.				
04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	1.98	
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	2.34	
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	2.70	
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	3.33	
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	3.24	
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	3.81	
<b>04 05 19 16-0115</b>	<b>Triangle Brick Ties</b> <small>(04 05 19 16)</small>			
<b>04 05 19 16-0116</b>	<b>Hot-Dipped Galvanized, Triangle Brick Ties</b> <small>(04 05 19 16-0115)</small>			
04 05 19 16-0117	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.78	
04 05 19 16-0118	EA	3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.81	
04 05 19 16-0119	EA	4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.83	
04 05 19 16-0120	EA	4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.90	
04 05 19 16-0121	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.93	
04 05 19 16-0122	EA	6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.02	
04 05 19 16-0123	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.07	
04 05 19 16-0124	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.19	
04 05 19 16-0125	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.02	
04 05 19 16-0126	EA	3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.04	
04 05 19 16-0127	EA	4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.06	
04 05 19 16-0128	EA	4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.13	
04 05 19 16-0129	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.15	
04 05 19 16-0130	EA	6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.23	
04 05 19 16-0131	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.27	
04 05 19 16-0132	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.40	
<b>04 05 19 16-0133</b>	<b>Mill Galvanized, Triangle Brick Ties</b> <small>(04 05 19 16-0115)</small>			
04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.67	
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.68	

**04 Masonry**  
**04 05 Common Work Results for Masonry**  
**04 05 19 Masonry Anchorage and Reinforcing**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0136 EA 4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.68	
04 05 19 16-0137 EA 4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.74	
04 05 19 16-0138 EA 5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.75	
04 05 19 16-0139 EA 6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.82	
04 05 19 16-0140 EA 7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.83	
04 05 19 16-0141 EA 9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.87	
04 05 19 16-0142 EA 3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.81	
04 05 19 16-0143 EA 3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.82	
04 05 19 16-0144 EA 4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.84	
04 05 19 16-0145 EA 4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.90	
04 05 19 16-0146 EA 5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.91	
04 05 19 16-0147 EA 6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.99	
04 05 19 16-0148 EA 7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.01	
04 05 19 16-0149 EA 9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.08	
<b>04 05 19 16-0150 Seismic Veneer Anchors</b> (04 05 19 16)		
04 05 19 16-0151 EA 3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor.....	6.21	
Note: For horizontal wire attachment. Excludes wire.		
<b>04 05 19 16-0152 Slip-Set, Joint Stabilization Anchors</b> (04 05 19 16)		
Note: For restraining lateral movement at control joints. Field bendable.		
04 05 19 16-0153 EA 9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor.....	4.51	
04 05 19 16-0154 EA 9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor.....	4.86	
04 05 19 16-0155 EA 9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor.....	6.21	
<b>04 05 19 16-0156 Strap Partition Top Anchors</b> (04 05 19 16)		
04 05 19 16-0157 EA 12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor.....	2.75	
04 05 19 16-0158 EA 12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor.....	6.53	
<b>04 05 19 16-0159 Rigid Partition Anchors</b> (04 05 19 16)		
<b>04 05 19 16-0160 Hot-Dipped Galvanized, Rigid Partition Anchors</b> (04 05 19 16-0159)		
04 05 19 16-0161 EA 1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.36	
04 05 19 16-0162 EA 1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.51	
04 05 19 16-0163 EA 1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.69	
04 05 19 16-0164 EA 1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.86	
04 05 19 16-0165 EA 2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.03	
04 05 19 16-0166 EA 2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.19	
04 05 19 16-0167 EA 1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.03	
04 05 19 16-0168 EA 1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.56	
04 05 19 16-0169 EA 1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.10	
04 05 19 16-0170 EA 1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.63	
04 05 19 16-0171 EA 2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	5.17	
04 05 19 16-0172 EA 2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	5.71	
<b>04 05 19 16-0173 Mill Galvanized, Rigid Partition Anchors</b> (04 05 19 16-0159)		
04 05 19 16-0174 EA 1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.21	
04 05 19 16-0175 EA 1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.34	
04 05 19 16-0176 EA 1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.47	
04 05 19 16-0177 EA 1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.60	
04 05 19 16-0178 EA 2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.73	
04 05 19 16-0179 EA 2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.86	
<b>04 05 19 16-0180 Screw-On Masonry Veneer Anchor Plates</b> (04 05 19 16)		
04 05 19 16-0181 EA 12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	1.53	
04 05 19 16-0182 EA 14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	1.58	
<b>04 05 19 16-0183 Wire Column Ties</b> (04 05 19 16)		
<b>04 05 19 16-0184 Hot-Dipped Galvanized, Wire Column Ties</b> (04 05 19 16-0183)		
04 05 19 16-0185 EA 3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.76	
04 05 19 16-0186 EA 5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.85	
04 05 19 16-0187 EA 7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.91	
04 05 19 16-0188 EA 9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.00	
04 05 19 16-0189 EA 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.84	
04 05 19 16-0190 EA 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.91	
04 05 19 16-0191 EA 14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.97	
04 05 19 16-0192 EA 16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.03	
04 05 19 16-0193 EA 3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.23	
04 05 19 16-0194 EA 5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.38	
04 05 19 16-0195 EA 7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.48	
04 05 19 16-0196 EA 9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.63	
04 05 19 16-0197 EA 10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.38	
04 05 19 16-0198 EA 12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0199 EA 14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	2.57	
04 05 19 16-0200 EA 16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	2.67	
<b>04 05 19 16-0201 Mill Galvanized, Wire Column Ties (04 05 19 16-0183)</b>		
04 05 19 16-0202 EA 3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.60	
04 05 19 16-0203 EA 5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.66	
04 05 19 16-0204 EA 7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.69	
04 05 19 16-0205 EA 9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.75	
04 05 19 16-0206 EA 10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.62	
04 05 19 16-0207 EA 12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.68	
04 05 19 16-0208 EA 14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.71	
04 05 19 16-0209 EA 16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.76	
04 05 19 16-0210 EA 3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.95	
04 05 19 16-0211 EA 5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	2.05	
04 05 19 16-0212 EA 7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	2.09	
04 05 19 16-0213 EA 9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	2.19	
04 05 19 16-0214 EA 10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.90	
04 05 19 16-0215 EA 12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	2.07	
04 05 19 16-0216 EA 14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	2.14	
04 05 19 16-0217 EA 16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	2.19	
<b>04 05 19 16-0218 Dovetail Anchors, Slots And Ties (04 05 19 16)</b>		
<b>04 05 19 16-0219 Dovetail Anchor Slots (04 05 19 16-0218)</b>		
<b>04 05 19 16-0220 Hot-Dipped Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)</b>		
04 05 19 16-0221 LF 24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot .....	3.61	
04 05 19 16-0222 LF 22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot .....	3.87	
04 05 19 16-0223 LF 20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot .....	4.02	
04 05 19 16-0224 LF 18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot .....	4.10	
04 05 19 16-0225 LF 16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot .....	4.27	
<b>04 05 19 16-0226 Mill Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)</b>		
04 05 19 16-0227 LF 24 Gauge, Mill Galvanized, Dovetail Anchor Slot .....	3.08	
04 05 19 16-0228 LF 22 Gauge, Mill Galvanized, Dovetail Anchor Slot .....	3.41	
04 05 19 16-0229 LF 20 Gauge, Mill Galvanized, Dovetail Anchor Slot .....	3.49	
04 05 19 16-0230 LF 18 Gauge, Mill Galvanized, Dovetail Anchor Slot .....	3.61	
04 05 19 16-0231 LF 16 Gauge, Mill Galvanized, Dovetail Anchor Slot .....	3.68	
<b>04 05 19 16-0232 304 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)</b>		
04 05 19 16-0233 LF 24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot .....	4.00	
04 05 19 16-0234 LF 22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot .....	4.44	
04 05 19 16-0235 LF 20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot .....	4.59	
04 05 19 16-0236 LF 18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot .....	5.09	
04 05 19 16-0237 LF 16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot .....	5.57	
<b>04 05 19 16-0238 316 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)</b>		
04 05 19 16-0239 LF 24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot .....	4.34	
04 05 19 16-0240 LF 22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot .....	4.68	
04 05 19 16-0241 LF 20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot .....	5.01	
04 05 19 16-0242 LF 18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot .....	5.44	
04 05 19 16-0243 LF 16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot .....	5.69	
<b>04 05 19 16-0244 Dovetail Corrugated Brick Ties (04 05 19 16-0218)</b>		
<b>04 05 19 16-0245 Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)</b>		
04 05 19 16-0246 EA 3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie .....	1.36	
04 05 19 16-0247 EA 5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie .....	1.44	
04 05 19 16-0248 EA 7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie .....	1.53	
04 05 19 16-0249 EA 3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie .....	1.38	
04 05 19 16-0250 EA 5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie .....	1.54	
04 05 19 16-0251 EA 7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie .....	1.66	
04 05 19 16-0252 EA 3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie .....	1.43	
04 05 19 16-0253 EA 5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie .....	1.53	
04 05 19 16-0254 EA 7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie .....	1.64	
<b>04 05 19 16-0255 Mill Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)</b>		
04 05 19 16-0256 EA 3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie .....	1.28	
04 05 19 16-0257 EA 5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie .....	1.34	
04 05 19 16-0258 EA 7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie .....	1.39	
04 05 19 16-0259 EA 3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie .....	1.32	
04 05 19 16-0260 EA 5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie .....	1.43	
04 05 19 16-0261 EA 7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie .....	1.51	
04 05 19 16-0262 EA 3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie .....	1.34	

**04 Masonry**  
**04 05 Common Work Results for Masonry**  
**04 05 19 Masonry Anchorage and Reinforcing**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 05 19 16-0263	EA	5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.47
04 05 19 16-0264	EA	7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.55
<b>04 05 19 16-0265</b>		<b>Dovetail Stone Anchors (04 05 19 16-0218)</b>	
<b>04 05 19 16-0266</b>		<b>Hot-Dipped Galvanized, Dovetail Stone Anchors (04 05 19 16-0265)</b>	
04 05 19 16-0267	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.54
04 05 19 16-0268	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.62
04 05 19 16-0269	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.71
<b>04 05 19 16-0270</b>		<b>Dovetail Partition Top Anchors (04 05 19 16-0218)</b>	
04 05 19 16-0271	EA	3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor.....	2.93
04 05 19 16-0272	EA	3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor.....	7.04
<b>04 05 19 16-0273</b>		<b>Dovetail Flexible Triangle Brick Ties (04 05 19 16-0218)</b>	
<b>04 05 19 16-0274</b>		<b>Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)</b>	
04 05 19 16-0275	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.19
04 05 19 16-0276	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.30
04 05 19 16-0277	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.38
04 05 19 16-0278	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.45
<b>04 05 19 16-0279</b>		<b>Mill Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)</b>	
04 05 19 16-0280	EA	3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.03
04 05 19 16-0281	EA	5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.04
04 05 19 16-0282	EA	7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.09
04 05 19 16-0283	EA	9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.21
<b>04 05 19 26</b>		<b>Masonry Reinforcing Bars (04 05 19)</b>	
		Note: Includes cutting and bending.	
<b>04 05 19 26-0001</b>		<b>Plain Steel Masonry Reinforcement Bar (04 05 19 26)</b>	
04 05 19 26-0002	LF	#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.91
04 05 19 26-0003	LF	#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.50
04 05 19 26-0004	LF	#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.11
04 05 19 26-0005	LF	#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.75
04 05 19 26-0006	LF	#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.93
04 05 19 26-0007	LF	#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.53
04 05 19 26-0008	LF	#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.14
04 05 19 26-0009	LF	#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.80
04 05 19 26-0010	LF	#3, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.95
04 05 19 26-0011	LF	#4, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.56
04 05 19 26-0012	LF	#5, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.20
04 05 19 26-0013	LF	#6, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.88
04 05 19 26-0014	LF	#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.08
04 05 19 26-0015	LF	#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.75
04 05 19 26-0016	LF	#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.47
04 05 19 26-0017	LF	#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.18
04 05 19 26-0018	LF	#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.10
04 05 19 26-0019	LF	#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.78
04 05 19 26-0020	LF	#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.50
04 05 19 26-0021	LF	#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.23
04 05 19 26-0022	LF	#3, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.12
04 05 19 26-0023	LF	#4, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.81
04 05 19 26-0024	LF	#5, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.56
04 05 19 26-0025	LF	#6, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.31
<b>04 05 19 26-0026</b>		<b>Galvanized Steel Masonry Reinforcement Bar (04 05 19 26)</b>	
04 05 19 26-0027	LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.05
04 05 19 26-0028	LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.73
04 05 19 26-0029	LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.47
04 05 19 26-0030	LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.27
04 05 19 26-0031	LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.06
04 05 19 26-0032	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.76
04 05 19 26-0033	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.50
04 05 19 26-0034	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.32
04 05 19 26-0035	LF	#3, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.08
04 05 19 26-0036	LF	#4, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.79
04 05 19 26-0037	LF	#5, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.56
04 05 19 26-0038	LF	#6, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.40
04 05 19 26-0039	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.22
04 05 19 26-0040	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.98
04 05 19 26-0041	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.83
04 05 19 26-0042	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.70
04 05 19 26-0043	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 26-0044 LF #4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.01	
04 05 19 26-0045 LF #5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.86	
04 05 19 26-0046 LF #6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.75	
04 05 19 26-0047 LF #3, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.25	
04 05 19 26-0048 LF #4, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.04	
04 05 19 26-0049 LF #5, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.92	
04 05 19 26-0050 LF #6, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.83	
<b>04 05 19 26-0051 Epoxy-Coated Masonry Reinforcement Bar (04 05 19 26)</b>		
04 05 19 26-0052 LF #3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.03	
04 05 19 26-0053 LF #4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.71	
04 05 19 26-0054 LF #5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.43	
04 05 19 26-0055 LF #6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.21	
04 05 19 26-0056 LF #3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.04	
04 05 19 26-0057 LF #4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.73	
04 05 19 26-0058 LF #5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.46	
04 05 19 26-0059 LF #6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.26	
04 05 19 26-0060 LF #3, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.06	
04 05 19 26-0061 LF #4, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.77	
04 05 19 26-0062 LF #5, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.52	
04 05 19 26-0063 LF #6, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.34	
04 05 19 26-0064 LF #3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.20	
04 05 19 26-0065 LF #4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.96	
04 05 19 26-0066 LF #5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.79	
04 05 19 26-0067 LF #6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.64	
04 05 19 26-0068 LF #3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.21	
04 05 19 26-0069 LF #4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.98	
04 05 19 26-0070 LF #5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.82	
04 05 19 26-0071 LF #6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.69	
04 05 19 26-0072 LF #3, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.23	
04 05 19 26-0073 LF #4, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.02	
04 05 19 26-0074 LF #5, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.88	
04 05 19 26-0075 LF #6, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.77	
<b>04 05 23 Masonry Accessories (04 05)</b>		
<b>04 05 23 13 Masonry Control and Expansion Joints (04 05 23)</b>		
<b>04 05 23 13-0001 Masonry Control Joints (04 05 23 13)</b>		
<b>04 05 23 13-0002 Rubber, Masonry Control Joints (04 05 23 13-0001)</b>		
04 05 23 13-0003 LF 1-5/8" Width, T-Style, Rubber, Masonry Control Joint.....	4.98	1.05
04 05 23 13-0004 LF 2-5/8" Width, Rubber, Masonry Control Joint.....	4.87	1.05
04 05 23 13-0005 LF 6-7/8" Width, Rubber, Masonry Control Joint.....	9.56	1.05
<b>04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints (04 05 23 13-0001)</b>		
04 05 23 13-0007 LF 1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint.....	3.46	1.05
04 05 23 13-0008 LF 2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	3.55	1.05
04 05 23 13-0009 LF 4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	4.46	1.05
04 05 23 13-0010 LF 6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	5.00	1.05
04 05 23 13-0011 LF 11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	4.80	1.05
<b>04 05 23 16 Masonry Embedded Flashing (04 05 23)</b>		
<b>04 05 23 16-0001 Lead Coated Copper Through Wall Flashing (04 05 23 16)</b>		
<b>04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)</b>		
04 05 23 16-0003 SF 2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	9.68	2.15
04 05 23 16-0004 SF 3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	10.64	2.15
04 05 23 16-0005 SF 5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	13.28	2.15
04 05 23 16-0006 SF 7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	15.62	2.15
<b>04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)</b>		
04 05 23 16-0008 SF 2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	10.61	2.15
04 05 23 16-0009 SF 3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	11.47	2.15
04 05 23 16-0010 SF 5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	14.52	2.15
04 05 23 16-0011 SF 7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	17.34	2.15
<b>04 05 23 16-0012 Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)</b>		
04 05 23 16-0013 SF 2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	9.90	2.15
04 05 23 16-0014 SF 3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	11.09	2.15
04 05 23 16-0015 SF 5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	12.81	2.15
04 05 23 16-0016 SF 7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	16.38	2.15



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 05 23 16-0017		Copper Through Wall Flashing <small>(04 05 23 16)</small>		
04 05 23 16-0018		2 Sides Coated With Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
04 05 23 16-0019	SF	2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	8.25	2.01
04 05 23 16-0020	SF	3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	8.95	2.01
04 05 23 16-0021	SF	5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	10.89	2.01
04 05 23 16-0022	SF	7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	12.60	2.01
04 05 23 16-0023	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	13.33	2.01
04 05 23 16-0024		2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
04 05 23 16-0025	SF	2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	8.94	2.01
04 05 23 16-0026	SF	3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	9.56	2.01
04 05 23 16-0027	SF	5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	11.80	2.01
04 05 23 16-0028	SF	7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	13.85	2.01
04 05 23 16-0029	SF	10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	15.07	2.01
04 05 23 16-0030		1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
04 05 23 16-0031	SF	2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	8.32	2.01
04 05 23 16-0032	SF	3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	9.04	2.01
04 05 23 16-0033	SF	5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	10.97	2.01
04 05 23 16-0034	SF	7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	12.67	2.01
04 05 23 16-0035	SF	10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	13.40	2.01
04 05 23 16-0036		2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
04 05 23 16-0037	SF	2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	8.42	2.01
04 05 23 16-0038	SF	3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	9.28	2.01
04 05 23 16-0039	SF	5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	10.54	2.01
04 05 23 16-0040	SF	7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	13.16	2.01
04 05 23 16-0041	SF	10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	8.92	2.01
04 05 23 16-0042		2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
04 05 23 16-0043	SF	3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	11.29	2.01
04 05 23 16-0044	SF	5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	13.88	2.01
04 05 23 16-0045		2 Sides Glass Fabric, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
		Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0046	SF	3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing .....	9.79	2.01
04 05 23 16-0047	SF	5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing .....	12.11	2.01
04 05 23 16-0048		Stainless Steel Through Wall Flashing <small>(04 05 23 16)</small>		
04 05 23 16-0049		Paper Backed 2 Sides, Stainless Steel Through Wall Flashing <small>(04 05 23 16-0048)</small>		
04 05 23 16-0050	SF	0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing .....	8.47	2.01
04 05 23 16-0051		Polyvinyl Chloride (PVC) Through Wall Flashing <small>(04 05 23 16)</small>		
04 05 23 16-0052	SF	0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	3.68	1.57
04 05 23 16-0053	SF	0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	3.85	1.57
04 05 23 16-0054	SF	0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	4.03	1.57
04 05 23 16-0055	SF	0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	4.66	1.57
04 05 23 19		<b>Masonry Cavity Drainage, Weepholes, and Vents</b> <small>(04 05 23)</small>		
04 05 23 19-0001		Brick Vents, 4" Deep, With Insect Screen <small>(04 05 23 19)</small>		
		Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002	EA	8-1/8" x 2-3/8" Aluminum Brick Vent .....	77.10	
04 05 23 19-0003	EA	8-1/8" x 4-3/4" Aluminum Brick Vent .....	95.74	
04 05 23 19-0004	EA	8-1/8" x 7-3/4" Aluminum Brick Vent .....	120.99	
04 05 23 19-0005	EA	12" x 2-3/8" Aluminum Brick Vent .....	94.77	
04 05 23 19-0006	EA	12" x 4-3/4" Aluminum Brick Vent .....	117.22	
04 05 23 19-0007	EA	12" x 7-3/4" Aluminum Brick Vent .....	148.56	
04 05 23 19-0008	EA	16-1/2" x 2-3/8" Aluminum Brick Vent .....	112.32	
04 05 23 19-0009	EA	16-1/2" x 4-3/4" Aluminum Brick Vent .....	152.54	
04 05 23 19-0010	EA	16-1/2" x 7-3/4" Aluminum Brick Vent .....	186.78	
04 05 23 19-0011	EA	24" x 2-3/8" Aluminum Brick Vent .....	153.34	
04 05 23 19-0012	EA	24" x 4-3/4" Aluminum Brick Vent .....	199.83	
04 05 23 19-0013	EA	24" x 7-3/4" Aluminum Brick Vent .....	246.20	

## 04 20 Unit Masonry (04)



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Note: Includes finishing joints (pointing) and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

**04 21 Clay Unit Masonry** (04 20)

**04 21 13 Brick Masonry** (04 21)

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

**04 21 13 00-0001 Brick Masonry** (04 21 13)

04 21 13 00-0002	SF Standard Size Red Brick, Running Bond.....	24.60	
	Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)		
	For Buff Or Gray, Add	0.78	
	For Common Or American Bond, Add	0.80	
	For English Bond, Add	1.59	
	For Flemish Bond, Add	3.22	
	For Stacked Bond, Add	2.23	
	For <10, Small Area Replacements (Individual Areas), Add	30.09	
	For Curved Wall, Add	3.98	
	For Corbels, Add	14.93	
	For Severe Weather (SW) Brick, Add	0.71	
	For Glazed Brick, Add	16.45	
04 21 13 00-0003	SF Engineer Standard Size Red Brick, Running Bond.....	25.28	
	Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)		
	For Buff Or Gray, Add	0.97	
	For Common Or American Bond, Add	0.78	
	For English Bond, Add	1.56	
	For Flemish Bond, Add	3.21	
	For Stacked Bond, Add	2.24	
	For <10, Small Area Replacements (Individual Areas), Add	29.47	
	For Curved Wall, Add	3.89	
	For Corbels, Add	14.59	
	For Severe Weather (SW) Brick, Add	0.87	
	For Glazed Brick, Add	20.41	
04 21 13 00-0004	SF Modular Size Red Brick, Running Bond.....	24.60	
	Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)		
	For Buff Or Gray, Add	0.78	
	For Common Or American Bond, Add	0.80	
	For English Bond, Add	1.59	
	For Flemish Bond, Add	3.22	
	For Stacked Bond, Add	2.23	
	For <10, Small Area Replacements (Individual Areas), Add	30.09	
	For Curved Wall, Add	3.98	
	For Corbels, Add	14.93	
	For Severe Weather (SW) Brick, Add	0.71	
	For Glazed Brick, Add	16.45	
04 21 13 00-0005	SF Engineer Modular Size Red Brick, Running Bond .....	25.28	
	Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)		
	For Buff Or Gray, Add	0.97	
	For Common Or American Bond, Add	0.78	
	For English Bond, Add	1.56	
	For Flemish Bond, Add	3.21	
	For Stacked Bond, Add	2.24	
	For <10, Small Area Replacements (Individual Areas), Add	29.47	
	For Curved Wall, Add	3.89	
	For Corbels, Add	14.59	
	For Severe Weather (SW) Brick, Add	0.87	
	For Glazed Brick, Add	20.41	
04 21 13 00-0006	SF Economy Size Red Brick, Running Bond.....	25.13	
	Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)		
	For Buff Or Gray, Add	0.95	
	For Common Or American Bond, Add	0.78	
	For English Bond, Add	1.56	
	For Flemish Bond, Add	3.20	
	For Stacked Bond, Add	2.23	
	For <10, Small Area Replacements (Individual Areas), Add	29.46	
	For Curved Wall, Add	3.89	
	For Corbels, Add	14.59	
	For Severe Weather (SW) Brick, Add	0.85	
	For Glazed Brick, Add	19.88	
04 21 13 00-0007	SF Utility Size Red Brick, Running Bond.....	18.44	
	Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)		
	For Buff Or Gray, Add	0.81	
	For Common Or American Bond, Add	0.54	
	For English Bond, Add	1.09	
	For Flemish Bond, Add	2.28	
	For Stacked Bond, Add	1.60	
	For <10, Small Area Replacements (Individual Areas), Add	20.61	
	For Curved Wall, Add	2.72	
	For Corbels, Add	10.19	
	For Severe Weather (SW) Brick, Add	0.73	
	For Glazed Brick, Add	17.01	

<b>04</b>	<b>Masonry</b>
<b>04 20</b>	<b>Unit Masonry</b>
<b>04 21</b>	<b>Clay Unit Masonry</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0008	SF		Double Utility Size Red Brick, Running Bond.....	16.99	
			Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)		
			For Buff Or Gray, Add	0.57	
			For Common Or American Bond, Add	0.54	
			For English Bond, Add	1.09	
			For Flemish Bond, Add	2.21	
			For Stacked Bond, Add	1.53	
			For <10, Small Area Replacements (Individual Areas), Add	20.54	
			For Curved Wall, Add	2.72	
			For Corbels, Add	10.19	
			For Severe Weather (SW) Brick, Add	0.51	
			For Glazed Brick, Add	11.94	
04 21 13 00-0009	SF		Norman Size Red Brick, Running Bond.....	25.57	
			Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)		
			For Buff Or Gray, Add	1.02	
			For Common Or American Bond, Add	0.78	
			For English Bond, Add	1.56	
			For Flemish Bond, Add	3.22	
			For Stacked Bond, Add	2.25	
			For <10, Small Area Replacements (Individual Areas), Add	29.48	
			For Curved Wall, Add	3.89	
			For Corbels, Add	14.59	
			For Severe Weather (SW) Brick, Add	0.92	
			For Glazed Brick, Add	21.42	
04 21 13 00-0010	SF		Roman Size Red Brick, Running Bond.....	26.86	
			Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)		
			For Buff Or Gray, Add	1.24	
			For Common Or American Bond, Add	0.78	
			For English Bond, Add	1.56	
			For Flemish Bond, Add	3.29	
			For Stacked Bond, Add	2.32	
			For <10, Small Area Replacements (Individual Areas), Add	29.55	
			For Curved Wall, Add	3.89	
			For Corbels, Add	14.59	
			For Severe Weather (SW) Brick, Add	1.11	
			For Glazed Brick, Add	25.94	
<b>04 21 13 00-0011</b>			<b>Fire Brick</b> <small>(04 21 13)</small>		
04 21 13 00-0012	SF		Running Bond, Red Fire Brick.....	28.15	
			For Buff Or Gray, Add	1.45	
			For Common Or American Bond, Add	0.78	
			For English Bond, Add	1.56	
			For Flemish Bond, Add	3.35	
			For Stacked Bond, Add	2.38	
			For <10, Small Area Replacements (Individual Areas), Add	29.61	
<b>04 21 13 00-0013</b>			<b>Window Sill</b> <small>(04 21 13)</small>		
04 21 13 00-0014	LF		Standard Size Red Brick, Window Sill.....	22.90	
			Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.		
			For Buff Or Gray, Add	0.26	
04 21 13 00-0015	LF		Engineer Standard Size Red Brick, Window Sill.....	23.09	
			Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.		
			For Buff Or Gray, Add	0.29	
04 21 13 00-0016	LF		Modular Size Red Brick, Window Sill.....	22.90	
			Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.		
			For Buff Or Gray, Add	0.26	
04 21 13 00-0017	LF		Engineer Modular Size Red Brick, Window Sill.....	23.21	
			Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.		
			For Buff Or Gray, Add	0.31	
04 21 13 00-0018	LF		Economy Size Red Brick, Window Sill.....	24.02	
			Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.		
			For Buff Or Gray, Add	0.44	
04 21 13 00-0019	LF		Utility Size Red Brick, Window Sill.....	24.18	
			Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.		
			For Buff Or Gray, Add	0.47	
04 21 13 00-0020	LF		Double Utility Size Red Brick, Window Sill.....	24.18	
			Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.		
			For Buff Or Gray, Add	0.47	
04 21 13 00-0021	LF		Norman Size Red Brick, Window Sill.....	23.32	
			Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.		
			For Buff Or Gray, Add	0.33	
04 21 13 00-0022	LF		Roman Size Red Brick, Window Sill.....	23.40	
			Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge.		
			For Buff Or Gray, Add	0.34	
<b>04 21 26</b>			<b>Glazed Structural Clay Tile Masonry</b> <small>(04 21)</small>		
			Note: Includes tile and mortar in all colors.		
04 21 26 00-0001			6T Series Structural Glazed Clay Tile <small>(04 21 26)</small>		
04 21 26 00-0002			Glazed On One Side 6T Series Structural Glazed Clay Tile <small>(04 21 26 00-0001)</small>		
04 21 26 00-0003	SF		2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	31.90	
			For Stacked Bond, Add	2.13	





<b>Masonry</b>	<b>04</b>	<b>04</b>
Unit Masonry	04 20	
Clay Unit Masonry	04 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 26 00-0004 SF 4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"..... <i>For Stacked Bond, Add</i>	35.59 2.13	
04 21 26 00-0005 SF 6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"..... <i>For Stacked Bond, Add</i>	43.25 2.23	
<b>04 21 26 00-0006 Special Shapes 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)</b>		
04 21 26 00-0007 LF Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	33.56 2.52	
04 21 26 00-0008 LF 2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	39.72 2.52	
<b>04 21 26 00-0009 8W Series Structural Glazed Clay Tile (04 21 26)</b>		
<b>04 21 26 00-0010 Glazed On One Side 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)</b>		
04 21 26 00-0011 SF 2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"..... <i>For Stacked Bond, Add</i>	24.85 1.35	
04 21 26 00-0012 SF 4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"..... <i>For Stacked Bond, Add</i>	30.78 1.45	
04 21 26 00-0013 SF 6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"..... <i>For Stacked Bond, Add</i>	42.25 1.55	
<b>04 21 26 00-0014 Special Shapes 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)</b>		
04 21 26 00-0015 LF Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile ..... <i>For Stacked Bond, Add</i>	33.92 1.74	
04 21 26 00-0016 LF 2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	33.87 1.74	
<b>04 21 26 00-0017 4W Series Structural Glazed Clay Tile (04 21 26)</b>		
<b>04 21 26 00-0018 Glazed On One Side 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)</b>		
04 21 26 00-0019 SF 2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"..... <i>For Stacked Bond, Add</i>	33.28 2.13	
04 21 26 00-0020 SF 4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"..... <i>For Stacked Bond, Add</i>	35.13 2.13	
04 21 26 00-0021 SF 6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"..... <i>For Stacked Bond, Add</i>	43.48 2.23	
<b>04 21 26 00-0022 Special Shapes 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)</b>		
04 21 26 00-0023 LF Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile ..... <i>For Stacked Bond, Add</i>	34.69 2.52	
04 21 26 00-0024 LF 2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	39.61 2.52	
<b>04 21 26 00-0025 6T Series Sound Absorbing Structural Glazed Tile (04 21 26)</b>		
04 21 26 00-0026 SF 4" Thick, 6T Sound Absorbing Structural Glazed Tile.....	34.47	
04 21 26 00-0027 SF 6" Thick, 6T Sound Absorbing Structural Glazed Tile.....	37.20	
04 21 26 00-0028 SF 8" Thick, 6T Sound Absorbing Structural Glazed Tile.....	43.42	
<b>04 21 26 00-0029 8T Series Sound Absorbing Structural Glazed Tile (04 21 26)</b>		
04 21 26 00-0030 SF 4" Thick, 8T Sound Absorbing Structural Glazed Tile.....	37.67	
04 21 26 00-0031 SF 6" Thick, 8T Sound Absorbing Structural Glazed Tile.....	42.44	
04 21 26 00-0032 SF 8" Thick, 8T Acoustical Glazed Tile .....	50.42	

**04 22 Concrete Unit Masonry (04 20)**

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

**04 22 23 Architectural Concrete Unit Masonry (04 22)**

**04 22 23 13 Exposed Aggregate Concrete Unit Masonry (04 22 23)**

**04 22 23 13-0001 Concrete Blocks (04 22 23 13)**

**04 22 23 13-0002 Lightweight Concrete Blocks (04 22 23 13-0001)**

**04 22 23 13-0003 Cored, Lightweight, Concrete Blocks (04 22 23 13-0002)**

04 22 23 13-0004 SF 4" x 8" x 16", Cored, Lightweight, Concrete Block .....	12.51	
<i>For Stacked Bond, Add</i>	2.68	
<i>For Scored Block, Add</i>	0.44	
<i>For Curved Wall Application, Add</i>	2.06	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	15.60	
04 22 23 13-0005 SF 6" x 8" x 16", Cored, Lightweight, Concrete Block .....	13.94	
<i>For Stacked Bond, Add</i>	2.89	
<i>For Scored Block, Add</i>	0.56	
<i>For Curved Wall Application, Add</i>	2.23	
<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	16.91	

<b>04</b>	<b>Masonry</b>
<b>04 20</b>	<b>Unit Masonry</b>
<b>04 22</b>	<b>Concrete Unit Masonry</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0006	SF		8" x 8" x 16", Cored, Lightweight, Concrete Block .....	15.11	
			<i>For Stacked Bond, Add</i>	3.11	
			<i>For Scored Block, Add</i>	0.63	
			<i>For Curved Wall Application, Add</i>	2.39	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	18.16	
04 22 23 13-0007	SF		10" x 8" x 16", Cored, Lightweight, Concrete Block .....	16.72	
			<i>For Stacked Bond, Add</i>	3.25	
			<i>For Scored Block, Add</i>	0.84	
			<i>For Curved Wall Application, Add</i>	2.50	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	19.07	
04 22 23 13-0008	SF		12" x 8" x 16", Cored, Lightweight, Concrete Block .....	19.75	
			<i>For Stacked Bond, Add</i>	3.95	
			<i>For Scored Block, Add</i>	0.91	
			<i>For Curved Wall Application, Add</i>	3.04	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	23.16	
<b>04 22 23 13-0009</b>			<b>Solid, Lightweight, Concrete Blocks</b> (04 22 23 13-0002)		
04 22 23 13-0010	SF		4" x 8" x 16", Solid, Lightweight, Concrete Block .....	13.50	
			<i>For Stacked Bond, Add</i>	2.74	
			<i>For Scored Block, Add</i>	0.59	
			<i>For Curved Wall Application, Add</i>	2.11	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	16.05	
04 22 23 13-0011	SF		6" x 8" x 16", Solid, Lightweight, Concrete Block .....	14.80	
			<i>For Stacked Bond, Add</i>	3.02	
			<i>For Scored Block, Add</i>	0.64	
			<i>For Curved Wall Application, Add</i>	2.32	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	17.64	
04 22 23 13-0012	SF		8" x 8" x 16", Solid, Lightweight, Concrete Block .....	15.62	
			<i>For Stacked Bond, Add</i>	3.20	
			<i>For Scored Block, Add</i>	0.66	
			<i>For Curved Wall Application, Add</i>	2.46	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	18.71	
04 22 23 13-0013	SF		10" x 8" x 16", Solid, Lightweight, Concrete Block .....	17.47	
			<i>For Stacked Bond, Add</i>	3.35	
			<i>For Scored Block, Add</i>	0.91	
			<i>For Curved Wall Application, Add</i>	2.58	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	19.69	
04 22 23 13-0014	SF		12" x 8" x 16", Solid, Lightweight, Concrete Block .....	20.61	
			<i>For Stacked Bond, Add</i>	4.09	
			<i>For Scored Block, Add</i>	0.98	
			<i>For Curved Wall Application, Add</i>	3.14	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	23.95	
<b>04 22 23 13-0015</b>			<b>Normal Weight Concrete Blocks</b> (04 22 23 13-0001)		
<b>04 22 23 13-0016</b>			<b>Cored, Normal Weight, Concrete Blocks</b> (04 22 23 13-0015)		
04 22 23 13-0017	SF		4" x 8" x 16", Cored, Normal Weight, Concrete Block .....	12.77	
			<i>For Stacked Bond, Add</i>	2.74	
			<i>For Scored Block, Add</i>	0.44	
			<i>For Curved Wall Application, Add</i>	2.11	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	15.99	
04 22 23 13-0018	SF		6" x 8" x 16", Cored, Normal Weight, Concrete Block .....	14.13	
			<i>For Stacked Bond, Add</i>	3.02	
			<i>For Scored Block, Add</i>	0.51	
			<i>For Curved Wall Application, Add</i>	2.32	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	17.59	
04 22 23 13-0019	SF		8" x 8" x 16", Cored, Normal Weight, Concrete Block .....	15.23	
			<i>For Stacked Bond, Add</i>	3.20	
			<i>For Scored Block, Add</i>	0.58	
			<i>For Curved Wall Application, Add</i>	2.46	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	18.68	
04 22 23 13-0020	SF		10" x 8" x 16", Cored, Normal Weight, Concrete Block .....	18.52	
			<i>For Stacked Bond, Add</i>	3.35	
			<i>For Scored Block, Add</i>	1.12	
			<i>For Curved Wall Application, Add</i>	2.58	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	19.77	
04 22 23 13-0021	SF		12" x 8" x 16", Cored, Normal Weight, Concrete Block .....	21.52	
			<i>For Stacked Bond, Add</i>	4.09	
			<i>For Scored Block, Add</i>	1.16	
			<i>For Curved Wall Application, Add</i>	3.14	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	24.02	
<b>04 22 23 13-0022</b>			<b>Solid, Normal Weight, Concrete Blocks</b> (04 22 23 13-0015)		
04 22 23 13-0023	SF		4" x 8" x 16", Solid, Normal Weight, Concrete Block .....	13.64	
			<i>For Stacked Bond, Add</i>	2.82	
			<i>For Scored Block, Add</i>	0.56	
			<i>For Curved Wall Application, Add</i>	2.17	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	16.46	
04 22 23 13-0024	SF		6" x 8" x 16", Solid, Normal Weight, Concrete Block .....	14.55	
			<i>For Stacked Bond, Add</i>	3.11	
			<i>For Scored Block, Add</i>	0.52	
			<i>For Curved Wall Application, Add</i>	2.39	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	18.12	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	04 22 23	13-0025	SF	8" x 8" x 16", Solid, Normal Weight, Concrete Block.....	15.72	
				<i>For Stacked Bond, Add</i>	3.30	
				<i>For Scored Block, Add</i>	0.60	
				<i>For Curved Wall Application, Add</i>	2.54	
				<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	19.28	
	04 22 23	13-0026	SF	10" x 8" x 16", Solid, Normal Weight, Concrete Block.....	17.36	
				<i>For Stacked Bond, Add</i>	3.46	
				<i>For Scored Block, Add</i>	0.81	
				<i>For Curved Wall Application, Add</i>	2.66	
				<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	20.28	
	04 22 23	13-0027	SF	12" x 8" x 16", Solid, Normal Weight, Concrete Block.....	20.48	
				<i>For Stacked Bond, Add</i>	4.23	
				<i>For Scored Block, Add</i>	0.84	
				<i>For Curved Wall Application, Add</i>	3.25	
				<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	24.71	
	<b>04 22 23</b>	<b>13-0028</b>		<b>Bond Beam Or Lintel Concrete Blocks</b> <small>(04 22 23 13)</small>		
	<b>04 22 23</b>	<b>13-0029</b>		<b>Lightweight, Bond Beam Or Lintel Concrete Blocks</b> <small>(04 22 23 13-0028)</small>		
				Note: Excludes concrete fill and reinforcing.		
	04 22 23	13-0030	LF	6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	14.60	
				<i>For Stacked Bond, Add</i>	2.89	
				<i>For Grout And Fill With 2 #5 Rebar, Add</i>	9.04	
				<i>For Scored Block, Add</i>	0.69	
				<i>For Curved Wall Application, Add</i>	2.23	
	04 22 23	13-0031	LF	8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	16.14	
				<i>For Stacked Bond, Add</i>	3.11	
				<i>For Grout And Fill With 2 #5 Rebar, Add</i>	10.17	
				<i>For Scored Block, Add</i>	0.84	
				<i>For Curved Wall Application, Add</i>	2.39	
	04 22 23	13-0032	LF	12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	19.67	
				<i>For Stacked Bond, Add</i>	3.95	
				<i>For Grout And Fill With 2 #5 Rebar, Add</i>	12.07	
				<i>For Scored Block, Add</i>	0.89	
				<i>For Curved Wall Application, Add</i>	3.04	
	<b>04 22 23</b>	<b>13-0033</b>		<b>Normal Weight, Bond Beam Or Lintel Concrete Blocks</b> <small>(04 22 23 13-0028)</small>		
				Note: Excludes concrete fill and reinforcing.		
	04 22 23	13-0034	LF	6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block .....	14.57	
				<i>For Stacked Bond, Add</i>	3.02	
				<i>For Grout And Fill With 2 #5 Rebar, Add</i>	8.77	
				<i>For Scored Block, Add</i>	0.59	
				<i>For Curved Wall Application, Add</i>	2.32	
	04 22 23	13-0035	LF	8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block .....	16.00	
				<i>For Stacked Bond, Add</i>	3.20	
				<i>For Grout And Fill With 2 #5 Rebar, Add</i>	9.85	
				<i>For Scored Block, Add</i>	0.74	
				<i>For Curved Wall Application, Add</i>	2.46	
	04 22 23	13-0036	LF	12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block .....	19.68	
				<i>For Stacked Bond, Add</i>	4.09	
				<i>For Grout And Fill With 2 #5 Rebar, Add</i>	11.82	
				<i>For Scored Block, Add</i>	0.79	
				<i>For Curved Wall Application, Add</i>	3.14	
	<b>04 22 23</b>	<b>23</b>		<b>Prefaced Concrete Unit Masonry</b> <small>(04 22 23)</small>		
	<b>04 22 23</b>	<b>23-0001</b>		<b>Ground Face Concrete Blocks</b> <small>(04 22 23 23)</small>		
	04 22 23	23-0002	SF	4" x 8" x 16", Ground Face, Concrete Block .....	16.45	
				<i>For Stacked Bond, Add</i>	3.35	
				<i>For Scored Block, Add</i>	0.71	
				<i>For Curved Wall Application, Add</i>	2.58	
				<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	19.62	
	04 22 23	23-0003	SF	6" x 8" x 16", Ground Face, Concrete Block .....	18.55	
				<i>For Stacked Bond, Add</i>	3.77	
				<i>For Scored Block, Add</i>	0.81	
				<i>For Curved Wall Application, Add</i>	2.90	
				<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	22.07	
	04 22 23	23-0004	SF	8" x 8" x 16", Ground Face, Concrete Block .....	20.11	
				<i>For Stacked Bond, Add</i>	3.99	
				<i>For Scored Block, Add</i>	0.96	
				<i>For Curved Wall Application, Add</i>	3.07	
				<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	23.35	
	04 22 23	23-0005	SF	10" x 8" x 16", Ground Face, Concrete Block .....	21.53	
				<i>For Stacked Bond, Add</i>	4.23	
				<i>For Scored Block, Add</i>	1.05	
				<i>For Curved Wall Application, Add</i>	3.25	
				<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	24.79	
	04 22 23	23-0006	SF	12" x 8" x 16", Ground Face, Concrete Block .....	25.42	
				<i>For Stacked Bond, Add</i>	5.11	
				<i>For Scored Block, Add</i>	1.15	
				<i>For Curved Wall Application, Add</i>	3.93	
				<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	29.91	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**04 22 23 26 Sound-Absorbing Concrete Unit Masonry (04 22 23)**

<b>04 22 23 26-0001</b>	<b>Slotted, Acoustical Concrete Block (04 22 23 26)</b>	
04 22 23 26-0002	SF 4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block.....	22.70
	For Stacked Bond, Add	3.35
	For Curved Wall Application, Add	2.58
	For <10, Small Area Replacements (Individual Areas), Add	20.09
04 22 23 26-0003	SF 6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block.....	25.50
	For Stacked Bond, Add	3.64
	For Curved Wall Application, Add	2.80
	For <10, Small Area Replacements (Individual Areas), Add	21.88
04 22 23 26-0004	SF 8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block.....	29.50
	For Stacked Bond, Add	3.99
	For Curved Wall Application, Add	3.07
	For <10, Small Area Replacements (Individual Areas), Add	24.06

**04 22 23 29 Split-Face Concrete Unit Masonry (04 22 23)**

<b>04 22 23 29-0001</b>	<b>Split Face, Concrete Blocks (04 22 23 29)</b>	
<b>04 22 23 29-0002</b>	<b>Plain Or Scored, Split Face, Concrete Blocks (04 22 23 29-0001)</b>	
04 22 23 29-0003	SF 4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block.....	16.87
	For Stacked Bond, Add	3.35
	For Curved Wall Application, Add	2.58
	For <10, Small Area Replacements (Individual Areas), Add	19.65
04 22 23 29-0004	SF 6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block.....	19.05
	For Stacked Bond, Add	3.77
	For Curved Wall Application, Add	2.90
	For <10, Small Area Replacements (Individual Areas), Add	22.11
04 22 23 29-0005	SF 8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block.....	20.67
	For Stacked Bond, Add	3.99
	For Curved Wall Application, Add	3.07
	For <10, Small Area Replacements (Individual Areas), Add	23.40
04 22 23 29-0006	SF 10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block.....	22.20
	For Stacked Bond, Add	4.23
	For Curved Wall Application, Add	3.25
	For <10, Small Area Replacements (Individual Areas), Add	24.84
04 22 23 29-0007	SF 12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block.....	25.38
	For Stacked Bond, Add	5.11
	For Curved Wall Application, Add	3.93
	For <10, Small Area Replacements (Individual Areas), Add	29.90

**04 22 23 29-0008 Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks (04 22 23 29-0001)**

04 22 23 29-0009	SF 4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block.....	17.87
	For Stacked Bond, Add	3.35
	For Grout And Fill With 2 #5 Rebar, Add	11.42
	For Curved Wall Application, Add	2.58
	For <10, Small Area Replacements (Individual Areas), Add	19.72
04 22 23 29-0010	SF 6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block.....	20.18
	For Stacked Bond, Add	3.77
	For Grout And Fill With 2 #5 Rebar, Add	12.93
	For Curved Wall Application, Add	2.90
	For <10, Small Area Replacements (Individual Areas), Add	22.19
04 22 23 29-0011	SF 8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block.....	22.01
	For Stacked Bond, Add	3.99
	For Grout And Fill With 2 #5 Rebar, Add	14.35
	For Curved Wall Application, Add	3.07
	For <10, Small Area Replacements (Individual Areas), Add	23.50
04 22 23 29-0012	SF 10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block.....	23.69
	For Stacked Bond, Add	4.23
	For Grout And Fill With 2 #5 Rebar, Add	15.56
	For Curved Wall Application, Add	3.25
	For <10, Small Area Replacements (Individual Areas), Add	24.95
04 22 23 29-0013	SF 12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block.....	26.81
	For Stacked Bond, Add	5.11
	For Grout And Fill With 2 #5 Rebar, Add	16.99
	For Curved Wall Application, Add	3.93
	For <10, Small Area Replacements (Individual Areas), Add	30.01

**04 22 23 29-0014 Split Rib, Concrete Block (04 22 23 29)**

**04 22 23 29-0015 Split Rib, Concrete Block (04 22 23 29-0014)**

04 22 23 29-0016	SF 4" x 8" x 16", Split Rib, Concrete Block.....	16.56
	For Stacked Bond, Add	3.35
	For Curved Wall Application, Add	2.58
	For <10, Small Area Replacements (Individual Areas), Add	19.62
04 22 23 29-0017	SF 6" x 8" x 16", Split Rib, Concrete Block.....	19.78
	For Stacked Bond, Add	3.77
	For Curved Wall Application, Add	2.90
	For <10, Small Area Replacements (Individual Areas), Add	22.16



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 29-0018	SF		8" x 8" x 16", Split Rib, Concrete Block.....	21.06	
			<i>For Stacked Bond, Add</i>	3.99	
			<i>For Curved Wall Application, Add</i>	3.07	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	23.42	
04 22 23 29-0019	SF		10" x 8" x 16", Split Rib, Concrete Block.....	22.52	
			<i>For Stacked Bond, Add</i>	4.23	
			<i>For Curved Wall Application, Add</i>	3.25	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	24.86	
04 22 23 29-0020	SF		12" x 8" x 16", Split Rib, Concrete Block.....	26.51	
			<i>For Stacked Bond, Add</i>	5.11	
			<i>For Curved Wall Application, Add</i>	3.93	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	29.99	
<b>04 22 23 31</b>			<b>Glazed Concrete Masonry Unit</b> <small>(04 22 23)</small>		
04 22 23 31-0001			One Glazed Face, Concrete Blocks <small>(04 22 23 31)</small>		
04 22 23 31-0002			One Glazed Face, Concrete Blocks <small>(04 22 23 31-0001)</small>		
04 22 23 31-0003	SF		4" x 8" x 16", One Glazed Face, Concrete Block.....	30.07	
			<i>For Stacked Bond, Add</i>	3.25	
			<i>For Curved Wall Application, Add</i>	2.50	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	20.07	
04 22 23 31-0004	SF		6" x 8" x 16", One Glazed Face, Concrete Block.....	32.17	
			<i>For Stacked Bond, Add</i>	3.58	
			<i>For Curved Wall Application, Add</i>	2.75	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	22.04	
04 22 23 31-0005	SF		8" x 8" x 16", One Glazed Face, Concrete Block.....	34.07	
			<i>For Stacked Bond, Add</i>	3.77	
			<i>For Curved Wall Application, Add</i>	2.90	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	23.23	
04 22 23 31-0006	SF		10" x 8" x 16", One Glazed Face, Concrete Block.....	36.10	
			<i>For Stacked Bond, Add</i>	3.99	
			<i>For Curved Wall Application, Add</i>	3.07	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	24.55	
04 22 23 31-0007	SF		12" x 8" x 16", One Glazed Face, Concrete Block.....	40.28	
			<i>For Stacked Bond, Add</i>	4.81	
			<i>For Curved Wall Application, Add</i>	3.70	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	29.38	
04 22 23 31-0008			Two Glazed Faces, Concrete Blocks <small>(04 22 23 31)</small>		
04 22 23 31-0009			Two Glazed Faces, Concrete Blocks <small>(04 22 23 31-0008)</small>		
04 22 23 31-0010	SF		4" x 8" x 16", Two Glazed Faces, Concrete Block.....	40.36	
			<i>For Stacked Bond, Add</i>	3.71	
			<i>For Curved Wall Application, Add</i>	2.85	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	23.35	
04 22 23 31-0011	SF		6" x 8" x 16", Two Glazed Faces, Concrete Block.....	42.29	
			<i>For Stacked Bond, Add</i>	3.99	
			<i>For Curved Wall Application, Add</i>	3.07	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	25.02	
04 22 23 31-0012	SF		8" x 8" x 16", Two Glazed Faces, Concrete Block.....	45.06	
			<i>For Stacked Bond, Add</i>	4.40	
			<i>For Curved Wall Application, Add</i>	3.39	
			<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	27.50	
04 23			Glass Unit Masonry <small>(04 20)</small>		
<b>04 23 13</b>			<b>Vertical Glass Unit Masonry</b> <small>(04 23)</small>		
			Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.		
04 23 13 00-0001			Glass Block Unit Masonry <small>(04 23 13)</small>		
04 23 13 00-0002	SF		6" x 6" x 4" Plain Glass Block.....	71.70	
			<i>For Solar Reflective (Suntrol) Blocks, Add</i>	13.58	
			<i>For Essex (Horizontal Striated) Blocks, Add</i>	7.76	
			<i>For Sculptured Or Patterned Blocks, Add</i>	13.58	
			<i>For Colored Glass, Add</i>	38.81	
			<i>For Thinline Block, Deduct</i>	-9.70	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-5.21	
			<i>For &gt;5,000, Deduct</i>	-8.79	
04 23 13 00-0003	SF		8" x 8" x 4" Plain Glass Block.....	51.65	
			<i>For Solar Reflective (Suntrol) Blocks, Add</i>	9.61	
			<i>For Essex (Horizontal Striated) Blocks, Add</i>	5.49	
			<i>For Sculptured Or Patterned Blocks, Add</i>	9.61	
			<i>For Colored Glass, Add</i>	27.47	
			<i>For Thinline Block, Deduct</i>	-6.87	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-3.78	
			<i>For &gt;5,000, Deduct</i>	-6.36	

<b>04</b>	<b>04</b>	<b>Masonry</b>
	<b>04 20</b>	<b>Unit Masonry</b>
	<b>04 23</b>	<b>Glass Unit Masonry</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 23 13 00-0004 SF 12" x 12" x 4" Plain Glass Block.....	57.35	
For Solar Reflective (Suntrol) Blocks, Add	12.29	
For Essex (Horizontal Striated) Blocks, Add	7.02	
For Sculptured Or Patterned Blocks, Add	12.29	
For Colored Glass, Add	35.10	
For Thinline Block, Deduct	-8.78	
For >1,000 To 5,000, Deduct	-3.97	
For >5,000, Deduct	-6.83	
<b>04 23 13 00-0005 Solid Glass Block (Vistabrik®) (04 23 13)</b>		
04 23 13 00-0006 SF 3" x 8" x 3" Solid Glass Block (Vistabrik®).....	682.57	
04 23 13 00-0007 SF 4" x 8" x 3" Solid Glass Block (Vistabrik®).....	517.98	
04 23 13 00-0008 SF 6" x 8" x 3" Solid Glass Block (Vistabrik®).....	355.37	
04 23 13 00-0009 SF 8" x 8" x 3" Solid Glass Block (Vistabrik®).....	248.91	
<b>04 40 Stone Assemblies (04)</b>		
Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.		
<b>04 41 Dry-Placed Stone (04 40)</b>		
<b>04 41 00 00-0001 Ashlar Veneer, Random Size, Square Cut Rough Stone (04 41)</b>		
04 41 00 00-0002 SF 4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone.....	26.09	8.12
04 41 00 00-0003 SF 6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone.....	26.52	8.12
<b>04 42 Exterior Stone Cladding (04 40)</b>		
<b>04 42 43 Stone Panels for Curtain Walls (04 42)</b>		
<b>04 42 43 00-0001 Marble Facing Panels (04 42 43)</b>		
Note: 3' x 1.5'		
04 42 43 00-0002 SF 3/4" Thick Marble Facing Panels.....	66.89	17.23
04 42 43 00-0003 SF 7/8" Thick Marble Facing Panels.....	70.41	17.45
04 42 43 00-0004 SF 1-1/2" Thick Marble Facing Panels.....	80.72	17.79
04 42 43 00-0005 SF 2" Thick Marble Facing Panels.....	88.38	18.35
04 42 43 00-0006 SF 2-1/4" Thick Marble Facing Panels.....	94.16	19.46
04 42 43 00-0007 CF Marble Face Panel.....	391.94	63.37
<b>04 42 43 00-0008 Smooth Limestone Panels (04 42 43)</b>		
Note: Up to 12' x 5' panels.		
04 42 43 00-0009 SF 1-1/2" Thick Smooth Limestone Panels.....	58.62	34.58
04 42 43 00-0010 SF 2" Thick Smooth Limestone Panels.....	62.12	36.24
04 42 43 00-0011 SF 3" Thick Smooth Limestone Panels.....	65.77	37.91
04 42 43 00-0012 SF 4" Thick Smooth Limestone Panels.....	75.92	41.69
<b>04 42 43 00-0013 Sandstone Panels (04 42 43)</b>		
04 42 43 00-0014 SF 2-1/2" Thick Sandstone Panels.....	66.77	36.24
04 42 43 00-0015 SF 4" Thick Sandstone Panels.....	73.56	41.69
04 42 43 00-0016 SF Split Face Sandstone Panels, Random Sizes.....	68.05	41.69
<b>04 43 Stone Masonry (04 40)</b>		
<b>04 43 16 Stone Fabrications (04 43)</b>		
<b>04 43 16 00-0001 Marble (04 43 16)</b>		
<b>04 43 16 00-0002 Marble Base (04 43 16 00-0001)</b>		
Note: 1" thick.		
04 43 16 00-0003 LF 4" High Marble Base.....	107.79	70.05
04 43 16 00-0004 LF 6" High Marble Base.....	121.63	76.31
<b>04 43 16 00-0005 Marble Columns (04 43 16 00-0001)</b>		
04 43 16 00-0006 CF Plain Faced Solid Marble Columns.....	275.61	63.37
04 43 16 00-0007 CF Fluted, Carved Solid Marble Columns.....	446.54	63.37
<b>04 43 16 00-0008 Marble Flooring (04 43 16 00-0001)</b>		
04 43 16 00-0009 SF 3/8" Uniform Color Marble Flooring.....	29.48	16.04
04 43 16 00-0010 SF 1/2" Uniform Color Marble Flooring.....	31.38	16.04
04 43 16 00-0011 SF 1/2" Travertine Marble Flooring.....	37.43	18.32
<b>04 43 16 00-0012 Marble Items (04 43 16 00-0001)</b>		
04 43 16 00-0013 LF 12" Wide Marble Stair Treads.....	74.76	25.35
04 43 16 00-0014 LF 6" Wide Marble Stair Risers.....	57.14	20.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 16 00-0015 LF 6" Wide x 2" Thick Marble Window Sills.....	34.78	15.00
04 43 16 00-0016 LF 5" Wide x 7/8" Thick Marble Window Stool, Polished.....	65.34	18.41
04 43 16 00-0017 SF 7/8" Thick, Non Skid, Marble Patio Blocks.....	39.75	23.25
<b>04 43 16 00-0018 Limestone (04 43 16)</b>		
<b>04 43 16 00-0019 Ashlar Veneer Limestone (04 43 16 00-0018)</b>		
04 43 16 00-0020 SF 4" Ashlar Veneer Limestone, Random Sizes.....	58.57	25.35
04 43 16 00-0021 SF 6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes.....	88.39	34.82
<b>04 43 16 00-0022 Limestone Coping (04 43 16 00-0018)</b>		
Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.		
04 43 16 00-0023 SF 2-1/2" Thick Limestone Coping.....	28.42	8.90
04 43 16 00-0024 SF 3" Thick Limestone Coping.....	31.66	9.45
04 43 16 00-0025 SF 3-1/2" Thick Limestone Coping.....	34.90	10.01
04 43 16 00-0026 SF 4" Thick Limestone Coping.....	37.03	10.34
04 43 16 00-0027 SF 5" Thick Limestone Coping.....	42.38	10.56
04 43 16 00-0028 SF 6" Thick Limestone Coping.....	60.25	11.12
04 43 16 00-0029 CF >6" Thick Limestone Coping.....	99.52	22.78
<b>04 43 16 00-0030 Limestone Stair Treads (04 43 16 00-0018)</b>		
04 43 16 00-0031 SF 2" Thick Limestone Treads.....	34.66	8.34
04 43 16 00-0032 SF 2-1/2" Thick Limestone Treads.....	36.79	8.90
04 43 16 00-0033 SF 3" Thick Limestone Treads.....	41.02	9.45
04 43 16 00-0034 SF 3-1/2" Thick Limestone Treads.....	44.16	10.01
04 43 16 00-0035 SF 4" Thick Limestone Treads.....	47.29	10.01
04 43 16 00-0036 SF 5" Thick Limestone Treads.....	51.33	10.56
04 43 16 00-0037 SF 6" Thick Limestone Tread, Smooth Finish.....	69.47	11.12
<b>04 43 16 00-0038 Limestone Items (04 43 16 00-0018)</b>		
04 43 16 00-0039 CF Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim.....	179.68	85.42
<b>04 43 16 00-0040 Granite (04 43 16)</b>		
<b>04 43 16 00-0041 Polished Granite Veneer Facing Panels (04 43 16 00-0040)</b>		
Note: Excludes structural support steel.		
04 43 16 00-0042 SF 7/8" Thick Black Polished Granite Veneer Facing Panels.....	94.40	34.80
04 43 16 00-0043 SF 7/8" Thick Gray Polished Granite Veneer Facing Panels.....	86.80	34.80
<b>04 43 16 00-0044 Granite Stair Treads (04 43 16 00-0040)</b>		
04 43 16 00-0045 SF 2" Thick Granite Stair Tread.....	54.91	8.34
<b>04 43 16 00-0046 Slate (04 43 16)</b>		
<b>04 43 16 00-0047 Slate Panels Or Sills (04 43 16 00-0046)</b>		
04 43 16 00-0048 SF 1" Thick Slate Panels.....	60.36	34.80
04 43 16 00-0049 SF 2" Thick Slate Panels.....	69.42	34.80
<b>04 43 16 00-0050 Slate Sills Or Stools (04 43 16 00-0046)</b>		
04 43 16 00-0051 LF 6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	27.53	15.09
04 43 16 00-0052 LF 10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	33.29	15.09
04 43 16 00-0053 LF 6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	32.48	15.09
04 43 16 00-0054 LF 10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	44.84	15.09
<b>04 43 16 00-0055 Slate Stair Treads (04 43 16 00-0046)</b>		
04 43 16 00-0056 SF 2" Thick Slate Stair Tread.....	40.26	8.34
<b>04 50 Refractory Masonry (04)</b>		
<b>04 51 Flue Liner Masonry (04 50)</b>		
Note: Includes mortar joints.		
<b>04 51 00 00-0001 Rectangular Flue Liners (04 51)</b>		
04 51 00 00-0002 VLF 4" x 8" Clay Flue Liners.....	19.46	
04 51 00 00-0003 VLF 8" x 8" Clay Flue Liners.....	26.84	
04 51 00 00-0004 VLF 8" x 12" Clay Flue Liners.....	30.60	
04 51 00 00-0005 VLF 12" x 12" Clay Flue Liners.....	38.08	
04 51 00 00-0006 VLF 12" x 16" Clay Flue Liners.....	46.49	
04 51 00 00-0007 VLF 12" x 18" Clay Flue Liners.....	52.86	
04 51 00 00-0008 VLF 16" x 16" Clay Flue Liners.....	57.64	

<b>04</b>	<b>Masonry</b>
<b>04 50</b>	<b>Refractory Masonry</b>
<b>04 51</b>	<b>Flue Liner Masonry</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 51 00 00-0009	VLF		16" x 20" Clay Flue Liners.....	71.13	
04 51 00 00-0010	VLF		18" x 18" Clay Flue Liners.....	75.99	
04 51 00 00-0011	VLF		20" x 20" Clay Flue Liners.....	97.90	
04 51 00 00-0012	VLF		20" x 24" Clay Flue Liners.....	106.65	
04 51 00 00-0013	VLF		24" x 24" Clay Flue Liners.....	126.47	
<b>04 51 00 00-0014</b>			<b>Round Flue Liners (04 51)</b>		
04 51 00 00-0015	VLF		6" Diameter Clay Flue Liners .....	47.52	
04 51 00 00-0016	VLF		8" Diameter Clay Flue Liners .....	69.15	
04 51 00 00-0017	VLF		10" Diameter Clay Flue Liners .....	90.95	
04 51 00 00-0018	VLF		12" Diameter Clay Flue Liners .....	110.78	
04 51 00 00-0019	VLF		15" Diameter Clay Flue Liners .....	135.87	
04 51 00 00-0020	VLF		18" Diameter Clay Flue Liners .....	146.87	
04 51 00 00-0021	VLF		21" Diameter Clay Flue Liners .....	187.37	
04 51 00 00-0022	VLF		24" Diameter Clay Flue Liners .....	230.09	
04 51 00 00-0023	VLF		27" Diameter Clay Flue Liners .....	265.52	
04 51 00 00-0024	VLF		30" Diameter Clay Flue Liners .....	302.02	
04 51 00 00-0025	VLF		33" Diameter Clay Flue Liners .....	316.76	
04 51 00 00-0026	VLF		36" Diameter Clay Flue Liners .....	322.67	
<b>04 51 00 00-0027</b>			<b>Standard Chimney Block (04 51)</b>		
			Note: Includes refractory mortar. Excludes flue liners.		
04 51 00 00-0028	EA		14" x 14" x 8" Concrete Block Chimney Unit.....	31.37	
04 51 00 00-0029	EA		14" x 18" x 8" Concrete Block Chimney Unit.....	34.32	
04 51 00 00-0030	EA		16" x 16" x 8" Concrete Block Chimney Unit.....	34.55	
04 51 00 00-0031	EA		17" x 17" x 8" Concrete Block Chimney Unit.....	36.26	
04 51 00 00-0032	EA		16" x 20" x 8" Concrete Block Chimney Unit.....	38.16	
04 51 00 00-0033	EA		17" x 21" x 8" Concrete Block Chimney Unit.....	40.20	
04 51 00 00-0034	EA		21" x 21" x 8" Concrete Block Chimney Unit.....	45.40	
<b>04 70</b>			<b>Manufactured Masonry (04)</b>		
<b>04 72</b>			<b>Cast Stone Masonry (04 70)</b>		
<b>04 72 00 00-0001</b>			<b>Precast Concrete Lintels (04 72)</b>		
<b>04 72 00 00-0002</b>			<b>Solid Precast Concrete Lintels (04 72 00 00-0001)</b>		
04 72 00 00-0003	LF		4" x 8", Solid Precast Concrete Lintel .....	17.08	
04 72 00 00-0004	LF		6" x 8", Solid Precast Concrete Lintel .....	21.72	
04 72 00 00-0005	LF		8" x 8", Solid Precast Concrete Lintel .....	26.78	
<b>04 72 00 00-0006</b>			<b>U Shaped Precast Concrete Lintels (04 72 00 00-0001)</b>		
			Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.		
04 72 00 00-0007	LF		6" x 8", U Shaped Precast Concrete Lintel .....	18.31	
04 72 00 00-0008	LF		8" x 8", U Shaped Precast Concrete Lintel .....	22.16	
04 72 00 00-0009	LF		12" x 8", U Shaped Precast Concrete Lintel .....	36.29	
<b>04 72 00 00-0010</b>			<b>Precast Concrete Coping (04 72)</b>		
			Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.		
<b>04 72 00 00-0011</b>			<b>Precast Concrete Coping (04 72 00 00-0010)</b>		
			Note: Measured at highest point.		
04 72 00 00-0012	SF		2" Thick Precast Concrete Coping .....	54.65	12.34
04 72 00 00-0013	SF		2-1/2" Thick Precast Concrete Coping.....	61.71	13.29
04 72 00 00-0014	SF		3" Thick Precast Concrete Coping .....	71.30	14.23
04 72 00 00-0015	SF		3-1/2" Thick Precast Concrete Coping.....	76.79	15.19
04 72 00 00-0016	SF		4" Thick Precast Concrete Coping .....	82.33	16.13
04 72 00 00-0017	SF		5" Thick Precast Concrete Coping .....	98.00	17.09
04 72 00 00-0018	SF		6" Thick Precast Concrete Coping .....	111.90	18.03
<b>04 72 00 00-0019</b>			<b>Precast Concrete Window Sills (04 72)</b>		
			Note: Includes caulk and ties.		
<b>04 72 00 00-0020</b>			<b>Precast Concrete Window Sills (04 72 00 00-0019)</b>		
04 72 00 00-0021	LF		6" Wide Precast Concrete Window Sill .....	40.09	9.49
04 72 00 00-0022	LF		10" Wide Precast Concrete Window Sill .....	60.34	9.49
04 72 00 00-0023	LF		14" Wide Precast Concrete Window Sill .....	71.37	9.49

**END OF SECTION 04**





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 05 Metals

### 05 05 Common Work Results for Metals (05)

#### 05 05 19 Post-Installed Concrete Anchors (05 05)

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

#### 05 05 19 00-0001 Concrete And Masonry Anchors (05 05 19)

#### 05 05 19 00-0002 Expansion Anchors (05 05 19 00-0001)

Note: Includes drilling.

#### 05 05 19 00-0003 Wedge Expansion Bolt Anchors (05 05 19 00-0002)

#### 05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)

Note: Includes nut and washer.

05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	11.35	
	For >10 To 50, Deduct	-0.54	
	For >50 To 100, Deduct	-1.09	
	For >100, Deduct	-2.18	
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	11.45	
	For >10 To 50, Deduct	-0.54	
	For >50 To 100, Deduct	-1.09	
	For >100, Deduct	-2.19	
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	11.79	
	For >10 To 50, Deduct	-0.55	
	For >50 To 100, Deduct	-1.12	
	For >100, Deduct	-2.25	
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	13.92	
	For >10 To 50, Deduct	-0.65	
	For >50 To 100, Deduct	-1.33	
	For >100, Deduct	-2.66	
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	13.99	
	For >10 To 50, Deduct	-0.65	
	For >50 To 100, Deduct	-1.33	
	For >100, Deduct	-2.66	
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	14.01	
	For >10 To 50, Deduct	-0.65	
	For >50 To 100, Deduct	-1.33	
	For >100, Deduct	-2.66	
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	14.28	
	For >10 To 50, Deduct	-0.65	
	For >50 To 100, Deduct	-1.34	
	For >100, Deduct	-2.67	
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	20.12	
	For >10 To 50, Deduct	-0.93	
	For >50 To 100, Deduct	-1.90	
	For >100, Deduct	-3.80	
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	20.18	
	For >10 To 50, Deduct	-0.93	
	For >50 To 100, Deduct	-1.90	
	For >100, Deduct	-3.80	
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	20.29	
	For >10 To 50, Deduct	-0.93	
	For >50 To 100, Deduct	-1.90	
	For >100, Deduct	-3.80	
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	20.59	
	For >10 To 50, Deduct	-0.93	
	For >50 To 100, Deduct	-1.91	
	For >100, Deduct	-3.82	
05 05 19 00-0016	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	21.01	
	For >10 To 50, Deduct	-0.93	
	For >50 To 100, Deduct	-1.92	
	For >100, Deduct	-3.84	
05 05 19 00-0017	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	26.02	
	For >10 To 50, Deduct	-1.15	
	For >50 To 100, Deduct	-2.37	
	For >100, Deduct	-4.74	
05 05 19 00-0018	EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	26.11	
	For >10 To 50, Deduct	-1.15	
	For >50 To 100, Deduct	-2.37	
	For >100, Deduct	-4.75	
05 05 19 00-0019	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	26.30	
	For >10 To 50, Deduct	-1.15	
	For >50 To 100, Deduct	-2.38	
	For >100, Deduct	-4.76	
05 05 19 00-0020	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	26.67	
	For >10 To 50, Deduct	-1.15	
	For >50 To 100, Deduct	-2.39	
	For >100, Deduct	-4.78	
05 05 19 00-0021	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	27.04	
	For >10 To 50, Deduct	-1.15	
	For >50 To 100, Deduct	-2.40	
	For >100, Deduct	-4.79	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0022	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	29.96	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.47	
			<i>For &gt;100, Deduct</i>	-4.94	
05 05 19 00-0023	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	32.46	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.53	
			<i>For &gt;100, Deduct</i>	-5.07	
05 05 19 00-0024	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	31.36	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.83	
			<i>For &gt;100, Deduct</i>	-5.66	
05 05 19 00-0025	EA		3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	31.44	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.83	
			<i>For &gt;100, Deduct</i>	-5.67	
05 05 19 00-0026	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	31.89	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.85	
			<i>For &gt;100, Deduct</i>	-5.69	
05 05 19 00-0027	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	32.43	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.86	
			<i>For &gt;100, Deduct</i>	-5.72	
05 05 19 00-0028	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	33.04	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.87	
			<i>For &gt;100, Deduct</i>	-5.75	
05 05 19 00-0029	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	35.39	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.93	
			<i>For &gt;100, Deduct</i>	-5.87	
05 05 19 00-0030	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	38.50	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-3.01	
			<i>For &gt;100, Deduct</i>	-6.02	
05 05 19 00-0031	EA		3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	42.02	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-3.10	
			<i>For &gt;100, Deduct</i>	-6.20	
05 05 19 00-0032	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	41.22	
			<i>For &gt;10 To 50, Deduct</i>	-1.48	
			<i>For &gt;50 To 100, Deduct</i>	-3.25	
			<i>For &gt;100, Deduct</i>	-6.51	
05 05 19 00-0033	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	43.07	
			<i>For &gt;10 To 50, Deduct</i>	-1.48	
			<i>For &gt;50 To 100, Deduct</i>	-3.30	
			<i>For &gt;100, Deduct</i>	-6.60	
05 05 19 00-0034	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	45.52	
			<i>For &gt;10 To 50, Deduct</i>	-1.48	
			<i>For &gt;50 To 100, Deduct</i>	-3.36	
			<i>For &gt;100, Deduct</i>	-6.72	
05 05 19 00-0035	EA		1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	51.24	
			<i>For &gt;10 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-4.16	
			<i>For &gt;100, Deduct</i>	-8.32	
05 05 19 00-0036	EA		1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	54.72	
			<i>For &gt;10 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-4.25	
			<i>For &gt;100, Deduct</i>	-8.49	
05 05 19 00-0037	EA		1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	58.17	
			<i>For &gt;10 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-4.33	
			<i>For &gt;100, Deduct</i>	-8.66	
05 05 19 00-0038	EA		1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	66.65	
			<i>For &gt;10 To 50, Deduct</i>	-2.46	
			<i>For &gt;50 To 100, Deduct</i>	-5.35	
			<i>For &gt;100, Deduct</i>	-10.70	
05 05 19 00-0039	EA		1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	69.13	
			<i>For &gt;10 To 50, Deduct</i>	-2.46	
			<i>For &gt;50 To 100, Deduct</i>	-5.41	
			<i>For &gt;100, Deduct</i>	-10.82	
05 05 19 00-0040			<b>304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt</b> <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0041	EA		1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.41	
			<i>For &gt;10 To 50, Deduct</i>	-0.54	
			<i>For &gt;50 To 100, Deduct</i>	-1.12	
			<i>For &gt;100, Deduct</i>	-2.23	
05 05 19 00-0042	EA		1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.80	
			<i>For &gt;10 To 50, Deduct</i>	-0.54	
			<i>For &gt;50 To 100, Deduct</i>	-1.13	
			<i>For &gt;100, Deduct</i>	-2.25	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0043	EA			1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.32	
				<i>For &gt;10 To 50, Deduct</i>	-0.55	
				<i>For &gt;50 To 100, Deduct</i>	-1.16	
				<i>For &gt;100, Deduct</i>	-2.32	
05 05 19 00-0044	EA			3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.86	
				<i>For &gt;10 To 50, Deduct</i>	-0.65	
				<i>For &gt;50 To 100, Deduct</i>	-1.38	
				<i>For &gt;100, Deduct</i>	-2.76	
05 05 19 00-0045	EA			3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.19	
				<i>For &gt;10 To 50, Deduct</i>	-0.65	
				<i>For &gt;50 To 100, Deduct</i>	-1.39	
				<i>For &gt;100, Deduct</i>	-2.77	
05 05 19 00-0046	EA			3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.42	
				<i>For &gt;10 To 50, Deduct</i>	-0.65	
				<i>For &gt;50 To 100, Deduct</i>	-1.39	
				<i>For &gt;100, Deduct</i>	-2.78	
05 05 19 00-0047	EA			3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	18.22	
				<i>For &gt;10 To 50, Deduct</i>	-0.65	
				<i>For &gt;50 To 100, Deduct</i>	-1.44	
				<i>For &gt;100, Deduct</i>	-2.87	
05 05 19 00-0048	EA			1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	24.42	
				<i>For &gt;10 To 50, Deduct</i>	-0.93	
				<i>For &gt;50 To 100, Deduct</i>	-2.01	
				<i>For &gt;100, Deduct</i>	-4.01	
05 05 19 00-0049	EA			1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	25.04	
				<i>For &gt;10 To 50, Deduct</i>	-0.93	
				<i>For &gt;50 To 100, Deduct</i>	-2.02	
				<i>For &gt;100, Deduct</i>	-4.04	
05 05 19 00-0050	EA			1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	25.40	
				<i>For &gt;10 To 50, Deduct</i>	-0.93	
				<i>For &gt;50 To 100, Deduct</i>	-2.03	
				<i>For &gt;100, Deduct</i>	-4.06	
05 05 19 00-0051	EA			1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	27.04	
				<i>For &gt;10 To 50, Deduct</i>	-0.93	
				<i>For &gt;50 To 100, Deduct</i>	-2.07	
				<i>For &gt;100, Deduct</i>	-4.14	
05 05 19 00-0052	EA			1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	29.50	
				<i>For &gt;10 To 50, Deduct</i>	-0.93	
				<i>For &gt;50 To 100, Deduct</i>	-2.13	
				<i>For &gt;100, Deduct</i>	-4.27	
05 05 19 00-0053	EA			5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	34.75	
				<i>For &gt;10 To 50, Deduct</i>	-1.15	
				<i>For &gt;50 To 100, Deduct</i>	-2.59	
				<i>For &gt;100, Deduct</i>	-5.18	
05 05 19 00-0054	EA			5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	36.35	
				<i>For &gt;10 To 50, Deduct</i>	-1.15	
				<i>For &gt;50 To 100, Deduct</i>	-2.63	
				<i>For &gt;100, Deduct</i>	-5.26	
05 05 19 00-0055	EA			5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	38.09	
				<i>For &gt;10 To 50, Deduct</i>	-1.15	
				<i>For &gt;50 To 100, Deduct</i>	-2.67	
				<i>For &gt;100, Deduct</i>	-5.35	
05 05 19 00-0056	EA			5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	40.39	
				<i>For &gt;10 To 50, Deduct</i>	-1.15	
				<i>For &gt;50 To 100, Deduct</i>	-2.73	
				<i>For &gt;100, Deduct</i>	-5.46	
05 05 19 00-0057	EA			5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	50.50	
				<i>For &gt;10 To 50, Deduct</i>	-1.15	
				<i>For &gt;50 To 100, Deduct</i>	-2.98	
				<i>For &gt;100, Deduct</i>	-5.97	
05 05 19 00-0058	EA			3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	41.48	
				<i>For &gt;10 To 50, Deduct</i>	-1.37	
				<i>For &gt;50 To 100, Deduct</i>	-3.09	
				<i>For &gt;100, Deduct</i>	-6.17	
05 05 19 00-0059	EA			3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	44.74	
				<i>For &gt;10 To 50, Deduct</i>	-1.37	
				<i>For &gt;50 To 100, Deduct</i>	-3.17	
				<i>For &gt;100, Deduct</i>	-6.33	
05 05 19 00-0060	EA			3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	47.52	
				<i>For &gt;10 To 50, Deduct</i>	-1.37	
				<i>For &gt;50 To 100, Deduct</i>	-3.24	
				<i>For &gt;100, Deduct</i>	-6.47	
05 05 19 00-0061	EA			3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	47.86	
				<i>For &gt;10 To 50, Deduct</i>	-1.37	
				<i>For &gt;50 To 100, Deduct</i>	-3.24	
				<i>For &gt;100, Deduct</i>	-6.49	
05 05 19 00-0062	EA			3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	50.47	
				<i>For &gt;10 To 50, Deduct</i>	-1.37	
				<i>For &gt;50 To 100, Deduct</i>	-3.31	
				<i>For &gt;100, Deduct</i>	-6.62	
05 05 19 00-0063	EA			3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	57.25	
				<i>For &gt;10 To 50, Deduct</i>	-1.37	
				<i>For &gt;50 To 100, Deduct</i>	-3.48	
				<i>For &gt;100, Deduct</i>	-6.96	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0064	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	66.81	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-3.72	
			<i>For &gt;100, Deduct</i>	-7.44	
05 05 19 00-0065	EA		7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	67.35	
			<i>For &gt;10 To 50, Deduct</i>	-1.48	
			<i>For &gt;50 To 100, Deduct</i>	-3.91	
			<i>For &gt;100, Deduct</i>	-7.81	
05 05 19 00-0066	EA		1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	97.51	
			<i>For &gt;10 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-5.31	
			<i>For &gt;100, Deduct</i>	-10.63	
05 05 19 00-0067	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	111.64	
			<i>For &gt;10 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-5.67	
			<i>For &gt;100, Deduct</i>	-11.34	
<b>05 05 19 00-0068</b>			<b>316 Stainless Steel, Wedge Anchor Expansion Bolt</b> <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0069	EA		1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.74	
			<i>For &gt;10 To 50, Deduct</i>	-0.54	
			<i>For &gt;50 To 100, Deduct</i>	-1.13	
			<i>For &gt;100, Deduct</i>	-2.25	
05 05 19 00-0070	EA		1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.46	
			<i>For &gt;10 To 50, Deduct</i>	-0.55	
			<i>For &gt;50 To 100, Deduct</i>	-1.16	
			<i>For &gt;100, Deduct</i>	-2.33	
05 05 19 00-0071	EA		3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.93	
			<i>For &gt;10 To 50, Deduct</i>	-0.65	
			<i>For &gt;50 To 100, Deduct</i>	-1.40	
			<i>For &gt;100, Deduct</i>	-2.81	
05 05 19 00-0072	EA		3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.50	
			<i>For &gt;10 To 50, Deduct</i>	-0.65	
			<i>For &gt;50 To 100, Deduct</i>	-1.42	
			<i>For &gt;100, Deduct</i>	-2.84	
05 05 19 00-0073	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.64	
			<i>For &gt;10 To 50, Deduct</i>	-0.65	
			<i>For &gt;50 To 100, Deduct</i>	-1.42	
			<i>For &gt;100, Deduct</i>	-2.84	
05 05 19 00-0074	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.35	
			<i>For &gt;10 To 50, Deduct</i>	-0.65	
			<i>For &gt;50 To 100, Deduct</i>	-1.49	
			<i>For &gt;100, Deduct</i>	-2.98	
05 05 19 00-0075	EA		1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	27.02	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-2.07	
			<i>For &gt;100, Deduct</i>	-4.14	
05 05 19 00-0076	EA		1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	28.59	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-2.11	
			<i>For &gt;100, Deduct</i>	-4.22	
05 05 19 00-0077	EA		1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.45	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-2.18	
			<i>For &gt;100, Deduct</i>	-4.36	
05 05 19 00-0078	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.16	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-2.20	
			<i>For &gt;100, Deduct</i>	-4.40	
05 05 19 00-0079	EA		5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	43.51	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.81	
			<i>For &gt;100, Deduct</i>	-5.62	
05 05 19 00-0080	EA		5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	44.37	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.83	
			<i>For &gt;100, Deduct</i>	-5.66	
05 05 19 00-0081	EA		3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	53.74	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-3.39	
			<i>For &gt;100, Deduct</i>	-6.78	
05 05 19 00-0082	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	57.31	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-3.48	
			<i>For &gt;100, Deduct</i>	-6.96	
<b>05 05 19 00-0083</b>			<b>Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt</b> <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0084	EA		1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	22.49	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-1.96	
			<i>For &gt;100, Deduct</i>	-3.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0085 EA 1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	23.52	
For >10 To 50, Deduct	-0.93	
For >50 To 100, Deduct	-1.98	
For >100, Deduct	-3.97	
05 05 19 00-0086 EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	24.54	
For >10 To 50, Deduct	-0.93	
For >50 To 100, Deduct	-2.01	
For >100, Deduct	-4.02	
05 05 19 00-0087 EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	25.06	
For >10 To 50, Deduct	-0.93	
For >50 To 100, Deduct	-2.02	
For >100, Deduct	-4.04	
05 05 19 00-0088 EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	30.33	
For >10 To 50, Deduct	-1.15	
For >50 To 100, Deduct	-2.48	
For >100, Deduct	-4.96	
05 05 19 00-0089 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	29.10	
For >10 To 50, Deduct	-1.15	
For >50 To 100, Deduct	-2.45	
For >100, Deduct	-4.90	
05 05 19 00-0090 EA 3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	38.80	
For >10 To 50, Deduct	-1.37	
For >50 To 100, Deduct	-3.02	
For >100, Deduct	-6.04	
05 05 19 00-0091 EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	39.93	
For >10 To 50, Deduct	-1.37	
For >50 To 100, Deduct	-3.05	
For >100, Deduct	-6.09	
05 05 19 00-0092 EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	45.48	
For >10 To 50, Deduct	-1.37	
For >50 To 100, Deduct	-3.19	
For >100, Deduct	-6.37	
05 05 19 00-0093 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	50.17	
For >10 To 50, Deduct	-1.92	
For >50 To 100, Deduct	-4.13	
For >100, Deduct	-8.26	
05 05 19 00-0094 EA 1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	53.37	
For >10 To 50, Deduct	-1.92	
For >50 To 100, Deduct	-4.21	
For >100, Deduct	-8.42	
05 05 19 00-0095 EA 1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	56.53	
For >10 To 50, Deduct	-1.92	
For >50 To 100, Deduct	-4.29	
For >100, Deduct	-8.58	
<b>05 05 19 00-0096 Concrete Sleeve Anchors</b> <small>(05 05 19 00-0002)</small>		
<b>05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors</b> <small>(05 05 19 00-0096)</small>		
Note: Includes nut and washer.		
05 05 19 00-0098 EA 1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	11.43	
For >10 To 50, Deduct	-0.55	
For >50 To 100, Deduct	-1.11	
For >100, Deduct	-2.22	
05 05 19 00-0099 EA 1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	11.56	
For >10 To 50, Deduct	-0.55	
For >50 To 100, Deduct	-1.11	
For >100, Deduct	-2.23	
05 05 19 00-0100 EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	11.72	
For >10 To 50, Deduct	-0.55	
For >50 To 100, Deduct	-1.12	
For >100, Deduct	-2.23	
05 05 19 00-0101 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	12.04	
For >10 To 50, Deduct	-0.58	
For >50 To 100, Deduct	-1.17	
For >100, Deduct	-2.33	
05 05 19 00-0102 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	12.16	
For >10 To 50, Deduct	-0.58	
For >50 To 100, Deduct	-1.17	
For >100, Deduct	-2.34	
05 05 19 00-0103 EA 3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	13.64	
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.32	
For >100, Deduct	-2.64	
05 05 19 00-0104 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	13.86	
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.33	
For >100, Deduct	-2.65	
05 05 19 00-0105 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	14.08	
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.33	
For >100, Deduct	-2.66	
05 05 19 00-0106 EA 1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	19.62	
For >10 To 50, Deduct	-0.93	
For >50 To 100, Deduct	-1.88	
For >100, Deduct	-3.77	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0107	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	19.90	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-1.89	
			<i>For &gt;100, Deduct</i>	-3.78	
05 05 19 00-0108	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	20.15	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-1.90	
			<i>For &gt;100, Deduct</i>	-3.79	
05 05 19 00-0109	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	20.44	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-1.90	
			<i>For &gt;100, Deduct</i>	-3.81	
05 05 19 00-0110	EA		5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	24.55	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.33	
			<i>For &gt;100, Deduct</i>	-4.67	
05 05 19 00-0111	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	24.98	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.35	
			<i>For &gt;100, Deduct</i>	-4.69	
05 05 19 00-0112	EA		5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	25.30	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.35	
			<i>For &gt;100, Deduct</i>	-4.71	
05 05 19 00-0113	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	26.22	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.38	
			<i>For &gt;100, Deduct</i>	-4.75	
05 05 19 00-0114	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	30.00	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.80	
			<i>For &gt;100, Deduct</i>	-5.60	
05 05 19 00-0115	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	30.79	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.82	
			<i>For &gt;100, Deduct</i>	-5.64	
05 05 19 00-0116	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	31.51	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.84	
			<i>For &gt;100, Deduct</i>	-5.67	
05 05 19 00-0117	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	32.65	
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.86	
			<i>For &gt;100, Deduct</i>	-5.73	
<b>05 05 19 00-0118</b>			<b>304/18-8 Stainless Steel, Concrete Sleeve Anchors</b> (05 05 19 00-0096)		
			Note: Includes nut and washer.		
05 05 19 00-0119	EA		1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	13.04	
			<i>For &gt;10 To 50, Deduct</i>	-0.55	
			<i>For &gt;50 To 100, Deduct</i>	-1.15	
			<i>For &gt;100, Deduct</i>	-2.30	
05 05 19 00-0120	EA		3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	16.91	
			<i>For &gt;10 To 50, Deduct</i>	-0.65	
			<i>For &gt;50 To 100, Deduct</i>	-1.40	
			<i>For &gt;100, Deduct</i>	-2.81	
05 05 19 00-0121	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	18.43	
			<i>For &gt;10 To 50, Deduct</i>	-0.65	
			<i>For &gt;50 To 100, Deduct</i>	-1.44	
			<i>For &gt;100, Deduct</i>	-2.88	
05 05 19 00-0122	EA		1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	25.09	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-2.02	
			<i>For &gt;100, Deduct</i>	-4.04	
05 05 19 00-0123	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	27.83	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-2.09	
			<i>For &gt;100, Deduct</i>	-4.18	
05 05 19 00-0124	EA		5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	37.83	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.67	
			<i>For &gt;100, Deduct</i>	-5.33	
<b>05 05 19 00-0125</b>			<b>Concrete Strike Anchors</b> (05 05 19 00-0002)		
			Note: Includes nut and washer.		
05 05 19 00-0126	EA		1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	12.07	
			<i>For &gt;10 To 50, Deduct</i>	-0.55	
			<i>For &gt;50 To 100, Deduct</i>	-1.13	
			<i>For &gt;100, Deduct</i>	-2.25	
05 05 19 00-0127	EA		1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor .....	12.30	
			<i>For &gt;10 To 50, Deduct</i>	-0.55	
			<i>For &gt;50 To 100, Deduct</i>	-1.13	
			<i>For &gt;100, Deduct</i>	-2.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128 EA 5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	12.84	
<i>For &gt;10 To 50, Deduct</i>	-0.58	
<i>For &gt;50 To 100, Deduct</i>	-1.19	
<i>For &gt;100, Deduct</i>	-2.37	
05 05 19 00-0129 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	13.77	
<i>For &gt;10 To 50, Deduct</i>	-0.58	
<i>For &gt;50 To 100, Deduct</i>	-1.21	
<i>For &gt;100, Deduct</i>	-2.42	
05 05 19 00-0130 EA 3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor.....	14.65	
<i>For &gt;10 To 50, Deduct</i>	-0.65	
<i>For &gt;50 To 100, Deduct</i>	-1.35	
<i>For &gt;100, Deduct</i>	-2.69	
05 05 19 00-0131 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor.....	15.34	
<i>For &gt;10 To 50, Deduct</i>	-0.65	
<i>For &gt;50 To 100, Deduct</i>	-1.36	
<i>For &gt;100, Deduct</i>	-2.73	
05 05 19 00-0132 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor.....	15.88	
<i>For &gt;10 To 50, Deduct</i>	-0.65	
<i>For &gt;50 To 100, Deduct</i>	-1.38	
<i>For &gt;100, Deduct</i>	-2.75	
05 05 19 00-0133 EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	21.34	
<i>For &gt;10 To 50, Deduct</i>	-0.93	
<i>For &gt;50 To 100, Deduct</i>	-1.93	
<i>For &gt;100, Deduct</i>	-3.85	
05 05 19 00-0134 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor.....	21.76	
<i>For &gt;10 To 50, Deduct</i>	-0.93	
<i>For &gt;50 To 100, Deduct</i>	-1.94	
<i>For &gt;100, Deduct</i>	-3.88	
05 05 19 00-0135 EA 1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	22.98	
<i>For &gt;10 To 50, Deduct</i>	-0.93	
<i>For &gt;50 To 100, Deduct</i>	-1.97	
<i>For &gt;100, Deduct</i>	-3.94	
05 05 19 00-0136 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor.....	24.56	
<i>For &gt;10 To 50, Deduct</i>	-0.93	
<i>For &gt;50 To 100, Deduct</i>	-2.01	
<i>For &gt;100, Deduct</i>	-4.02	
05 05 19 00-0137 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	28.21	
<i>For &gt;10 To 50, Deduct</i>	-1.15	
<i>For &gt;50 To 100, Deduct</i>	-2.43	
<i>For &gt;100, Deduct</i>	-4.85	
05 05 19 00-0138 EA 5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	29.67	
<i>For &gt;10 To 50, Deduct</i>	-1.15	
<i>For &gt;50 To 100, Deduct</i>	-2.46	
<i>For &gt;100, Deduct</i>	-4.92	
05 05 19 00-0139 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor.....	30.95	
<i>For &gt;10 To 50, Deduct</i>	-1.15	
<i>For &gt;50 To 100, Deduct</i>	-2.49	
<i>For &gt;100, Deduct</i>	-4.99	
05 05 19 00-0140 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor.....	36.07	
<i>For &gt;10 To 50, Deduct</i>	-1.37	
<i>For &gt;50 To 100, Deduct</i>	-2.95	
<i>For &gt;100, Deduct</i>	-5.90	
05 05 19 00-0141 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor.....	37.44	
<i>For &gt;10 To 50, Deduct</i>	-1.37	
<i>For &gt;50 To 100, Deduct</i>	-2.98	
<i>For &gt;100, Deduct</i>	-5.97	
<b>05 05 19 00-0142 Multi-Set Drop-In Anchors</b> <small>(05 05 19 00-0002)</small>		
<b>05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors</b> <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0144 EA 1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	15.88	
<i>For &gt;10 To 50, Deduct</i>	-0.77	
<i>For &gt;50 To 100, Deduct</i>	-1.54	
<i>For &gt;100, Deduct</i>	-3.09	
05 05 19 00-0145 EA 3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	19.42	
<i>For &gt;10 To 50, Deduct</i>	-0.93	
<i>For &gt;50 To 100, Deduct</i>	-1.89	
<i>For &gt;100, Deduct</i>	-3.77	
05 05 19 00-0146 EA 1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	23.61	
<i>For &gt;10 To 50, Deduct</i>	-1.10	
<i>For &gt;50 To 100, Deduct</i>	-2.24	
<i>For &gt;100, Deduct</i>	-4.48	
05 05 19 00-0147 EA 5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	26.71	
<i>For &gt;10 To 50, Deduct</i>	-1.21	
<i>For &gt;50 To 100, Deduct</i>	-2.48	
<i>For &gt;100, Deduct</i>	-4.96	
05 05 19 00-0148 EA 3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	31.88	
<i>For &gt;10 To 50, Deduct</i>	-1.37	
<i>For &gt;50 To 100, Deduct</i>	-2.86	
<i>For &gt;100, Deduct</i>	-5.72	
<b>05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors</b> <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 19 00-0150	EA 1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	19.15	
	<i>For &gt;10 To 50, Deduct</i>	-0.77	
	<i>For &gt;50 To 100, Deduct</i>	-1.63	
	<i>For &gt;100, Deduct</i>	-3.25	
05 05 19 00-0151	EA 3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	25.55	
	<i>For &gt;10 To 50, Deduct</i>	-0.93	
	<i>For &gt;50 To 100, Deduct</i>	-2.04	
	<i>For &gt;100, Deduct</i>	-4.08	
05 05 19 00-0152	EA 1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	31.78	
	<i>For &gt;10 To 50, Deduct</i>	-1.10	
	<i>For &gt;50 To 100, Deduct</i>	-2.44	
	<i>For &gt;100, Deduct</i>	-4.89	
05 05 19 00-0153	EA 5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	39.86	
	<i>For &gt;10 To 50, Deduct</i>	-1.21	
	<i>For &gt;50 To 100, Deduct</i>	-2.81	
	<i>For &gt;100, Deduct</i>	-5.62	
05 05 19 00-0154	EA 3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	54.48	
	<i>For &gt;10 To 50, Deduct</i>	-1.37	
	<i>For &gt;50 To 100, Deduct</i>	-3.42	
	<i>For &gt;100, Deduct</i>	-6.85	
<b>05 05 19 00-0155</b>	<b>Single Bolt Expansion Anchors</b> (05 05 19 00-0002)		
	Note: Excludes bolt, nut and washer.		
05 05 19 00-0156	EA 1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	11.62	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.11	
	<i>For &gt;100, Deduct</i>	-2.23	
05 05 19 00-0157	EA 5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	12.40	
	<i>For &gt;10 To 50, Deduct</i>	-0.58	
	<i>For &gt;50 To 100, Deduct</i>	-1.18	
	<i>For &gt;100, Deduct</i>	-2.35	
05 05 19 00-0158	EA 3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	14.03	
	<i>For &gt;10 To 50, Deduct</i>	-0.65	
	<i>For &gt;50 To 100, Deduct</i>	-1.33	
	<i>For &gt;100, Deduct</i>	-2.66	
05 05 19 00-0159	EA 1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	20.44	
	<i>For &gt;10 To 50, Deduct</i>	-0.93	
	<i>For &gt;50 To 100, Deduct</i>	-1.90	
	<i>For &gt;100, Deduct</i>	-3.81	
05 05 19 00-0160	EA 5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	28.03	
	<i>For &gt;10 To 50, Deduct</i>	-1.15	
	<i>For &gt;50 To 100, Deduct</i>	-2.42	
	<i>For &gt;100, Deduct</i>	-4.84	
05 05 19 00-0161	EA 3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	33.79	
	<i>For &gt;10 To 50, Deduct</i>	-1.37	
	<i>For &gt;50 To 100, Deduct</i>	-2.89	
	<i>For &gt;100, Deduct</i>	-5.79	
<b>05 05 19 00-0162</b>	<b>Concrete Lag Shield Anchors</b> (05 05 19 00-0002)		
	Note: Excludes lag bolt and washer.		
05 05 19 00-0163	EA 1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	11.68	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.12	
	<i>For &gt;100, Deduct</i>	-2.23	
05 05 19 00-0164	EA 5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	13.90	
	<i>For &gt;10 To 50, Deduct</i>	-0.65	
	<i>For &gt;50 To 100, Deduct</i>	-1.33	
	<i>For &gt;100, Deduct</i>	-2.66	
05 05 19 00-0165	EA 3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	14.46	
	<i>For &gt;10 To 50, Deduct</i>	-0.65	
	<i>For &gt;50 To 100, Deduct</i>	-1.34	
	<i>For &gt;100, Deduct</i>	-2.68	
05 05 19 00-0166	EA 1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	20.40	
	<i>For &gt;10 To 50, Deduct</i>	-0.93	
	<i>For &gt;50 To 100, Deduct</i>	-1.90	
	<i>For &gt;100, Deduct</i>	-3.81	
05 05 19 00-0167	EA 5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	27.16	
	<i>For &gt;10 To 50, Deduct</i>	-1.15	
	<i>For &gt;50 To 100, Deduct</i>	-2.40	
	<i>For &gt;100, Deduct</i>	-4.80	
05 05 19 00-0168	EA 3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	30.65	
	<i>For &gt;10 To 50, Deduct</i>	-1.37	
	<i>For &gt;50 To 100, Deduct</i>	-2.81	
	<i>For &gt;100, Deduct</i>	-5.63	
<b>05 05 19 00-0169</b>	<b>Chemical And Adhesive Anchors</b> (05 05 19 00-0001)		
<b>05 05 19 00-0170</b>	<b>Chemically Adhered Anchor Rods</b> (05 05 19 00-0169)		
	Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0171	EA			1/4" x 1-9/16" Long Chemically Adhered Anchor Rod .....	14.67	
				<i>For &gt;10 To 50, Deduct</i>	-0.60	
				<i>For &gt;50 To 100, Deduct</i>	-1.27	
				<i>For &gt;100, Deduct</i>	-2.55	
05 05 19 00-0172	EA			5/16" x 2-3/8" Long Chemically Adhered Anchor Rod .....	16.94	
				<i>For &gt;10 To 50, Deduct</i>	-0.66	
				<i>For &gt;50 To 100, Deduct</i>	-1.41	
				<i>For &gt;100, Deduct</i>	-2.82	
05 05 19 00-0173	EA			3/8" x 2-3/4" Long Chemically Adhered Anchor Rod .....	21.04	
				<i>For &gt;10 To 50, Deduct</i>	-0.82	
				<i>For &gt;50 To 100, Deduct</i>	-1.76	
				<i>For &gt;100, Deduct</i>	-3.52	
05 05 19 00-0174	EA			1/2" x 3-11/16" Long Chemically Adhered Anchor Rod .....	24.60	
				<i>For &gt;10 To 50, Deduct</i>	-0.93	
				<i>For &gt;50 To 100, Deduct</i>	-2.01	
				<i>For &gt;100, Deduct</i>	-4.02	
05 05 19 00-0175	EA			1/2" x 5-1/2" Long Chemically Adhered Anchor Rod .....	25.97	
				<i>For &gt;10 To 50, Deduct</i>	-0.93	
				<i>For &gt;50 To 100, Deduct</i>	-2.04	
				<i>For &gt;100, Deduct</i>	-4.09	
05 05 19 00-0176	EA			5/8" x 7" Long Chemically Adhered Anchor Rod.....	32.12	
				<i>For &gt;10 To 50, Deduct</i>	-1.15	
				<i>For &gt;50 To 100, Deduct</i>	-2.52	
				<i>For &gt;100, Deduct</i>	-5.05	
05 05 19 00-0177	EA			3/4" x 9-1/2" Long Chemically Adhered Anchor Rod .....	41.53	
				<i>For &gt;10 To 50, Deduct</i>	-1.37	
				<i>For &gt;50 To 100, Deduct</i>	-3.09	
				<i>For &gt;100, Deduct</i>	-6.17	
05 05 19 00-0178	EA			7/8" x 10" Long Chemically Adhered Anchor Rod.....	49.00	
				<i>For &gt;10 To 50, Deduct</i>	-1.48	
				<i>For &gt;50 To 100, Deduct</i>	-3.44	
				<i>For &gt;100, Deduct</i>	-6.89	
05 05 19 00-0179	EA			1" x 11-3/4" Long Chemically Adhered Anchor Rod .....	66.79	
				<i>For &gt;10 To 50, Deduct</i>	-1.92	
				<i>For &gt;50 To 100, Deduct</i>	-4.55	
				<i>For &gt;100, Deduct</i>	-9.09	
05 05 19 00-0180	EA			1-1/4" x 14" Long Chemically Adhered Anchor Rod .....	95.35	
				<i>For &gt;10 To 50, Deduct</i>	-2.42	
				<i>For &gt;50 To 100, Deduct</i>	-6.01	
				<i>For &gt;100, Deduct</i>	-12.02	
<b>05 05 19 00-0181</b>				<b>Chemical Adhesives For Bolts, Dowels Or Threaded Rod</b> <small>(05 05 19 00-0169)</small>		
				Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored.		
				Includes drilling. Excludes bolt, dowel or rod.		
05 05 19 00-0182	EA			1/4" Chemical Adhesive For Bolt Or Threaded Rod .....	12.41	
				<i>For &gt;10 To 50, Deduct</i>	-0.60	
				<i>For &gt;50 To 100, Deduct</i>	-1.22	
				<i>For &gt;100, Deduct</i>	-2.43	
05 05 19 00-0183	EA			5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	13.58	
				<i>For &gt;10 To 50, Deduct</i>	-0.66	
				<i>For &gt;50 To 100, Deduct</i>	-1.33	
				<i>For &gt;100, Deduct</i>	-2.66	
05 05 19 00-0184	EA			3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	17.01	
				<i>For &gt;10 To 50, Deduct</i>	-0.82	
				<i>For &gt;50 To 100, Deduct</i>	-1.66	
				<i>For &gt;100, Deduct</i>	-3.32	
05 05 19 00-0185	EA			1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	19.33	
				<i>For &gt;10 To 50, Deduct</i>	-0.93	
				<i>For &gt;50 To 100, Deduct</i>	-1.88	
				<i>For &gt;100, Deduct</i>	-3.75	
05 05 19 00-0186	EA			5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	24.76	
				<i>For &gt;10 To 50, Deduct</i>	-1.15	
				<i>For &gt;50 To 100, Deduct</i>	-2.34	
				<i>For &gt;100, Deduct</i>	-4.68	
05 05 19 00-0187	EA			3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	30.50	
				<i>For &gt;10 To 50, Deduct</i>	-1.37	
				<i>For &gt;50 To 100, Deduct</i>	-2.81	
				<i>For &gt;100, Deduct</i>	-5.62	
05 05 19 00-0188	EA			7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	33.83	
				<i>For &gt;10 To 50, Deduct</i>	-1.48	
				<i>For &gt;50 To 100, Deduct</i>	-3.06	
				<i>For &gt;100, Deduct</i>	-6.13	
05 05 19 00-0189	EA			1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	44.73	
				<i>For &gt;10 To 50, Deduct</i>	-1.92	
				<i>For &gt;50 To 100, Deduct</i>	-3.99	
				<i>For &gt;100, Deduct</i>	-7.99	
05 05 19 00-0190	EA			1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod .....	51.22	
				<i>For &gt;10 To 50, Deduct</i>	-2.17	
				<i>For &gt;50 To 100, Deduct</i>	-4.53	
				<i>For &gt;100, Deduct</i>	-9.07	
05 05 19 00-0191	EA			1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod .....	58.57	
				<i>For &gt;10 To 50, Deduct</i>	-2.42	
				<i>For &gt;50 To 100, Deduct</i>	-5.09	
				<i>For &gt;100, Deduct</i>	-10.18	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 19 00-0192	EA 1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	63.32	
	<i>For &gt;10 To 50, Deduct</i>	-2.53	
	<i>For &gt;50 To 100, Deduct</i>	-5.37	
	<i>For &gt;100, Deduct</i>	-10.75	
05 05 19 00-0193	EA 1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	69.78	
	<i>For &gt;10 To 50, Deduct</i>	-2.64	
	<i>For &gt;50 To 100, Deduct</i>	-5.70	
	<i>For &gt;100, Deduct</i>	-11.40	
05 05 19 00-0194	EA 1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	82.69	
	<i>For &gt;10 To 50, Deduct</i>	-2.86	
	<i>For &gt;50 To 100, Deduct</i>	-6.35	
	<i>For &gt;100, Deduct</i>	-12.71	
05 05 19 00-0195	EA 2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	110.42	
	<i>For &gt;10 To 50, Deduct</i>	-2.97	
	<i>For &gt;50 To 100, Deduct</i>	-7.21	
	<i>For &gt;100, Deduct</i>	-14.42	
<b>05 05 19 00-0196</b>	<b>Grout Concrete Anchor Bolt Or Threaded Rod (05 05 19 00-0169)</b>		
05 05 19 00-0197	EA Grout Concrete Anchor Bolt or Threaded Rod.....	4.44	
	<i>For &gt;10 To 50, Deduct</i>	-0.22	
	<i>For &gt;50 To 100, Deduct</i>	-0.43	
	<i>For &gt;100, Deduct</i>	-0.87	
<b>05 05 19 00-0198</b>	<b>Other Concrete And Masonry Anchors (05 05 19 00-0001)</b>		
<b>05 05 19 00-0199</b>	<b>Tapcon Masonry Screws (05 05 19 00-0198)</b>		
	Note: Includes drilling. Countersunk or hex head.		
05 05 19 00-0200	EA 3/16" x 1-1/4" Tapcon Masonry Screw.....	11.25	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.11	
	<i>For &gt;100, Deduct</i>	-2.21	
05 05 19 00-0201	EA 3/16" x 2-1/4" Tapcon Masonry Screw.....	11.31	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.11	
	<i>For &gt;100, Deduct</i>	-2.21	
05 05 19 00-0202	EA 3/16" x 3-1/4" Tapcon Masonry Screw.....	11.46	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.11	
	<i>For &gt;100, Deduct</i>	-2.22	
05 05 19 00-0203	EA 1/4" x 1-1/4" Tapcon Masonry Screw.....	11.33	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.11	
	<i>For &gt;100, Deduct</i>	-2.22	
05 05 19 00-0204	EA 1/4" x 2-1/4" Tapcon Masonry Screw.....	11.41	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.11	
	<i>For &gt;100, Deduct</i>	-2.22	
05 05 19 00-0205	EA 1/4" x 3-1/4" Tapcon Masonry Screw.....	11.58	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.11	
	<i>For &gt;100, Deduct</i>	-2.23	
<b>05 05 19 00-0206</b>	<b>Large Diameter, Self-Threading Concrete Fasteners (05 05 19 00-0198)</b>		
	Note: Includes drilling. Zinc plated.		
05 05 19 00-0207	EA 3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	12.23	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.13	
	<i>For &gt;100, Deduct</i>	-2.26	
05 05 19 00-0208	EA 3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	12.68	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.14	
	<i>For &gt;100, Deduct</i>	-2.28	
05 05 19 00-0209	EA 3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	12.80	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.14	
	<i>For &gt;100, Deduct</i>	-2.29	
05 05 19 00-0210	EA 3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	13.02	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.15	
	<i>For &gt;100, Deduct</i>	-2.30	
05 05 19 00-0211	EA 3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	13.21	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.15	
	<i>For &gt;100, Deduct</i>	-2.31	
05 05 19 00-0212	EA 1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	13.59	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.16	
	<i>For &gt;100, Deduct</i>	-2.33	
05 05 19 00-0213	EA 1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	14.07	
	<i>For &gt;10 To 50, Deduct</i>	-0.55	
	<i>For &gt;50 To 100, Deduct</i>	-1.18	
	<i>For &gt;100, Deduct</i>	-2.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0214 EA 1/2" x 5", Large Diameter, Self-Threading Concrete Fastener.....	14.52	
<i>For &gt;10 To 50, Deduct</i>	-0.55	
<i>For &gt;50 To 100, Deduct</i>	-1.19	
<i>For &gt;100, Deduct</i>	-2.37	
05 05 19 00-0215 EA 1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	15.75	
<i>For &gt;10 To 50, Deduct</i>	-0.55	
<i>For &gt;50 To 100, Deduct</i>	-1.22	
<i>For &gt;100, Deduct</i>	-2.44	
05 05 19 00-0216 EA 5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	15.90	
<i>For &gt;10 To 50, Deduct</i>	-0.55	
<i>For &gt;50 To 100, Deduct</i>	-1.22	
<i>For &gt;100, Deduct</i>	-2.44	
05 05 19 00-0217 EA 5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	16.66	
<i>For &gt;10 To 50, Deduct</i>	-0.55	
<i>For &gt;50 To 100, Deduct</i>	-1.24	
<i>For &gt;100, Deduct</i>	-2.48	
05 05 19 00-0218 EA 5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	17.44	
<i>For &gt;10 To 50, Deduct</i>	-0.55	
<i>For &gt;50 To 100, Deduct</i>	-1.26	
<i>For &gt;100, Deduct</i>	-2.52	
05 05 19 00-0219 EA 5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	17.93	
<i>For &gt;10 To 50, Deduct</i>	-0.55	
<i>For &gt;50 To 100, Deduct</i>	-1.27	
<i>For &gt;100, Deduct</i>	-2.55	
05 05 19 00-0220 EA 3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	17.71	
<i>For &gt;10 To 50, Deduct</i>	-0.55	
<i>For &gt;50 To 100, Deduct</i>	-1.27	
<i>For &gt;100, Deduct</i>	-2.53	
05 05 19 00-0221 EA 3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	18.43	
<i>For &gt;10 To 50, Deduct</i>	-0.55	
<i>For &gt;50 To 100, Deduct</i>	-1.29	
<i>For &gt;100, Deduct</i>	-2.57	
05 05 19 00-0222 EA 3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	20.11	
<i>For &gt;10 To 50, Deduct</i>	-0.55	
<i>For &gt;50 To 100, Deduct</i>	-1.33	
<i>For &gt;100, Deduct</i>	-2.65	
<b>05 05 19 00-0223 Pin Bolt Drives</b> <small>(05 05 19 00-0198)</small>		
Note: Includes drilling. Zinc plated.		
05 05 19 00-0224 EA 1/4" x 1" Pin Bolt Drive.....	6.98	
<i>For &gt;10 To 50, Deduct</i>	-0.33	
<i>For &gt;50 To 100, Deduct</i>	-0.67	
<i>For &gt;100, Deduct</i>	-1.34	
05 05 19 00-0225 EA 1/4" x 1-1/4" Pin Bolt Drive.....	6.98	
<i>For &gt;10 To 50, Deduct</i>	-0.33	
<i>For &gt;50 To 100, Deduct</i>	-0.67	
<i>For &gt;100, Deduct</i>	-1.34	
05 05 19 00-0226 EA 1/4" x 1-1/2" Pin Bolt Drive.....	7.03	
<i>For &gt;10 To 50, Deduct</i>	-0.33	
<i>For &gt;50 To 100, Deduct</i>	-0.67	
<i>For &gt;100, Deduct</i>	-1.34	
05 05 19 00-0227 EA 1/4" x 2" Pin Bolt Drive.....	7.05	
<i>For &gt;10 To 50, Deduct</i>	-0.33	
<i>For &gt;50 To 100, Deduct</i>	-0.67	
<i>For &gt;100, Deduct</i>	-1.34	
<b>05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors</b> <small>(05 05 19 00-0198)</small>		
05 05 19 00-0229 EA 0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor.....	1.72	
<i>For &gt;10 To 50, Deduct</i>	-0.07	
<i>For &gt;50 To 100, Deduct</i>	-0.15	
<i>For &gt;100, Deduct</i>	-0.31	
05 05 19 00-0230 EA 0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor.....	1.81	
<i>For &gt;10 To 50, Deduct</i>	-0.08	
<i>For &gt;50 To 100, Deduct</i>	-0.16	
<i>For &gt;100, Deduct</i>	-0.32	
05 05 19 00-0231 EA 0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor.....	1.97	
<i>For &gt;10 To 50, Deduct</i>	-0.08	
<i>For &gt;50 To 100, Deduct</i>	-0.17	
<i>For &gt;100, Deduct</i>	-0.35	
05 05 19 00-0232 EA 0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor.....	2.18	
<i>For &gt;10 To 50, Deduct</i>	-0.09	
<i>For &gt;50 To 100, Deduct</i>	-0.19	
<i>For &gt;100, Deduct</i>	-0.37	
05 05 19 00-0233 EA 0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor.....	2.28	
<i>For &gt;10 To 50, Deduct</i>	-0.09	
<i>For &gt;50 To 100, Deduct</i>	-0.19	
<i>For &gt;100, Deduct</i>	-0.38	
<b>05 05 19 00-0234 Powder Actuated, Shot-In Place Anchors With Exposed Thread</b> <small>(05 05 19 00-0198)</small>		

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0235 EA 0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor .....	2.01	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.17	
For >100, Deduct	-0.33	
05 05 19 00-0236 EA 0.205" Diameter x 1-1/16" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor .....	2.72	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.21	
For >100, Deduct	-0.42	
<b>05 05 21 Fastening Methods for Metal (05 05)</b>		
<b>05 05 21 00-0001 Welding (05 05 21)</b>		
<b>05 05 21 00-0002 Minimum Charge For Welding (05 05 21 00-0001)</b>		
05 05 21 00-0003 EA Welding Minimum Charge .....	447.31	
Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
<b>05 05 21 00-0004 Spot Welding (05 05 21 00-0001)</b>		
05 05 21 00-0005 EA Up To 15 Spot Weldings, Welds Up To 1" Length Each .....	11.50	
For Aluminum Welding, Add	1.80	
For Stainless Steel Welding, Add	2.97	
05 05 21 00-0006 EA >15 Spot Weldings, Welds Up To 1" Length Each .....	8.97	
For Aluminum Welding, Add	1.42	
For Stainless Steel Welding, Add	2.33	
<b>05 05 21 00-0007 Field Welding (Seam And Stitch Welding) (05 05 21 00-0001)</b>		
<b>05 05 21 00-0008 Vertical Fillet Welds (05 05 21 00-0007)</b>		
Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 05 21 00-0009 LF 1/8" Vertical Fillet Weld .....	7.26	
For Aluminum Welding, Add	1.44	
For Stainless Steel Welding, Add	2.26	
For Up To 25, Add	2.39	
For >25 To 50, Add	1.70	
05 05 21 00-0010 LF 3/16" Vertical Fillet Weld .....	14.05	
For Aluminum Welding, Add	2.55	
For Stainless Steel Welding, Add	4.06	
For Up To 25, Add	4.74	
For >25 To 50, Add	3.37	
05 05 21 00-0011 LF 1/4" Vertical Fillet Weld .....	21.10	
For Aluminum Welding, Add	3.83	
For Stainless Steel Welding, Add	6.11	
For Up To 25, Add	7.11	
For >25 To 50, Add	5.05	
05 05 21 00-0012 LF 5/16" Vertical Fillet Weld .....	27.84	
For Aluminum Welding, Add	5.08	
For Stainless Steel Welding, Add	8.09	
For Up To 25, Add	9.37	
For >25 To 50, Add	6.66	
05 05 21 00-0013 LF 3/8" Vertical Fillet Weld .....	35.15	
For Aluminum Welding, Add	6.38	
For Stainless Steel Welding, Add	10.17	
For Up To 25, Add	11.84	
For >25 To 50, Add	8.42	
05 05 21 00-0014 LF 7/16" Vertical Fillet Weld .....	40.92	
For Aluminum Welding, Add	7.01	
For Stainless Steel Welding, Add	11.33	
For Up To 25, Add	13.96	
For >25 To 50, Add	9.94	
05 05 21 00-0015 LF 1/2" Vertical Fillet Weld .....	48.07	
For Aluminum Welding, Add	8.76	
For Stainless Steel Welding, Add	13.95	
For Up To 25, Add	16.18	
For >25 To 50, Add	11.50	
05 05 21 00-0016 LF 9/16" Vertical Fillet Weld .....	56.23	
For Aluminum Welding, Add	9.82	
For Stainless Steel Welding, Add	15.79	
For Up To 25, Add	19.10	
For >25 To 50, Add	13.60	
05 05 21 00-0017 LF 5/8" Vertical Fillet Weld .....	65.19	
For Aluminum Welding, Add	11.42	
For Stainless Steel Welding, Add	18.35	
For Up To 25, Add	22.13	
For >25 To 50, Add	15.75	
05 05 21 00-0018 LF 3/4" Vertical Fillet Weld .....	87.98	
For Aluminum Welding, Add	16.01	
For Stainless Steel Welding, Add	25.51	
For Up To 25, Add	29.62	
For >25 To 50, Add	21.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0019 LF 7/8" Vertical Fillet Weld.....	130.15	
<i>For Aluminum Welding, Add</i>	22.66	
<i>For Stainless Steel Welding, Add</i>	36.46	
<i>For Up To 25, Add</i>	44.25	
<i>For &gt;25 To 50, Add</i>	31.49	
05 05 21 00-0020 LF 1" Vertical Fillet Weld.....	175.32	
<i>For Aluminum Welding, Add</i>	31.55	
<i>For Stainless Steel Welding, Add</i>	50.40	
<i>For Up To 25, Add</i>	59.17	
<i>For &gt;25 To 50, Add</i>	42.08	
<b>05 05 21 00-0021 Horizontal Or Flat Fillet Welds</b> <small>(05 05 21 00-0007)</small>		
<i>Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.</i>		
05 05 21 00-0022 LF 1/8" Horizontal Or Flat Fillet Weld.....	6.11	
<i>For Aluminum Welding, Add</i>	1.27	
<i>For Stainless Steel Welding, Add</i>	1.97	
<i>For Up To 25, Add</i>	1.99	
<i>For &gt;25 To 50, Add</i>	1.41	
05 05 21 00-0023 LF 3/16" Horizontal Or Flat Fillet Weld.....	11.91	
<i>For Aluminum Welding, Add</i>	2.25	
<i>For Stainless Steel Welding, Add</i>	3.56	
<i>For Up To 25, Add</i>	3.98	
<i>For &gt;25 To 50, Add</i>	2.82	
05 05 21 00-0024 LF 1/4" Horizontal Or Flat Fillet Weld.....	17.81	
<i>For Aluminum Welding, Add</i>	3.36	
<i>For Stainless Steel Welding, Add</i>	5.32	
<i>For Up To 25, Add</i>	5.95	
<i>For &gt;25 To 50, Add</i>	4.22	
05 05 21 00-0025 LF 5/16" Horizontal Or Flat Fillet Weld.....	23.54	
<i>For Aluminum Welding, Add</i>	4.48	
<i>For Stainless Steel Welding, Add</i>	7.07	
<i>For Up To 25, Add</i>	7.84	
<i>For &gt;25 To 50, Add</i>	5.57	
05 05 21 00-0026 LF 3/8" Horizontal Or Flat Fillet Weld.....	29.71	
<i>For Aluminum Welding, Add</i>	5.61	
<i>For Stainless Steel Welding, Add</i>	8.87	
<i>For Up To 25, Add</i>	9.92	
<i>For &gt;25 To 50, Add</i>	7.04	
05 05 21 00-0027 LF 7/16" Horizontal Or Flat Fillet Weld.....	34.44	
<i>For Aluminum Welding, Add</i>	6.09	
<i>For Stainless Steel Welding, Add</i>	9.77	
<i>For Up To 25, Add</i>	11.67	
<i>For &gt;25 To 50, Add</i>	8.30	
05 05 21 00-0028 LF 1/2" Horizontal Or Flat Fillet Weld.....	40.59	
<i>For Aluminum Welding, Add</i>	7.70	
<i>For Stainless Steel Welding, Add</i>	12.17	
<i>For Up To 25, Add</i>	13.53	
<i>For &gt;25 To 50, Add</i>	9.61	
05 05 21 00-0029 LF 9/16" Horizontal Or Flat Fillet Weld.....	47.44	
<i>For Aluminum Welding, Add</i>	8.59	
<i>For Stainless Steel Welding, Add</i>	13.71	
<i>For Up To 25, Add</i>	15.99	
<i>For &gt;25 To 50, Add</i>	11.37	
05 05 21 00-0030 LF 5/8" Horizontal Or Flat Fillet Weld.....	55.25	
<i>For Aluminum Welding, Add</i>	10.20	
<i>For Stainless Steel Welding, Add</i>	16.21	
<i>For Up To 25, Add</i>	18.54	
<i>For &gt;25 To 50, Add</i>	13.17	
05 05 21 00-0031 LF 3/4" Horizontal Or Flat Fillet Weld.....	74.36	
<i>For Aluminum Welding, Add</i>	14.11	
<i>For Stainless Steel Welding, Add</i>	22.28	
<i>For Up To 25, Add</i>	24.80	
<i>For &gt;25 To 50, Add</i>	17.61	
05 05 21 00-0032 LF 7/8" Horizontal Or Flat Fillet Weld.....	108.98	
<i>For Aluminum Welding, Add</i>	19.28	
<i>For Stainless Steel Welding, Add</i>	30.91	
<i>For Up To 25, Add</i>	36.92	
<i>For &gt;25 To 50, Add</i>	26.27	
05 05 21 00-0033 LF 1" Horizontal Or Flat Fillet Weld.....	147.65	
<i>For Aluminum Welding, Add</i>	27.66	
<i>For Stainless Steel Welding, Add</i>	43.81	
<i>For Up To 25, Add</i>	49.38	
<i>For &gt;25 To 50, Add</i>	35.07	

**05 05 23 Metal Fastenings** (05 05)

**05 05 23 00-0001 Hex Bolts** (05 05 23)  
*Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0221 for drilling into concrete, 02 41 19 13-0231 for drilling into brick or block, 02 41 19 13-0241 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.*

**05 05 23 00-0002 A307B Heavy Hex Bolts** (05 05 23 00-0001)  
*Note: Includes A307B heavy hex nut and two structural washers.*



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0003			Plain Finish A307B Heavy Hex Bolts <small>(05 05 23 00-0002)</small>		
05 05 23 00-0004	EA		1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt .....	12.58	1.27
			For >10 To 50, Deduct	-0.53	
			For >50 To 100, Deduct	-1.11	
			For >100, Deduct	-2.23	
05 05 23 00-0005	EA		1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt .....	13.70	1.27
			For >10 To 50, Deduct	-0.53	
			For >50 To 100, Deduct	-1.14	
			For >100, Deduct	-2.28	
05 05 23 00-0006	EA		5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt .....	13.73	1.27
			For >10 To 50, Deduct	-0.53	
			For >50 To 100, Deduct	-1.14	
			For >100, Deduct	-2.28	
05 05 23 00-0007	EA		5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt .....	16.28	1.46
			For >10 To 50, Deduct	-0.61	
			For >50 To 100, Deduct	-1.32	
			For >100, Deduct	-2.64	
05 05 23 00-0008	EA		3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt .....	15.61	1.27
			For >10 To 50, Deduct	-0.53	
			For >50 To 100, Deduct	-1.19	
			For >100, Deduct	-2.38	
05 05 23 00-0009	EA		3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt .....	18.60	1.46
			For >10 To 50, Deduct	-0.61	
			For >50 To 100, Deduct	-1.38	
			For >100, Deduct	-2.75	
05 05 23 00-0010	EA		3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt .....	23.09	1.52
			For >10 To 50, Deduct	-0.64	
			For >50 To 100, Deduct	-1.53	
			For >100, Deduct	-3.06	
05 05 23 00-0011	EA		3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt .....	24.75	1.60
			For >10 To 50, Deduct	-0.67	
			For >50 To 100, Deduct	-1.62	
			For >100, Deduct	-3.24	
05 05 23 00-0012	EA		7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt .....	18.50	1.38
			For >10 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-1.33	
			For >100, Deduct	-2.66	
05 05 23 00-0013	EA		7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt .....	22.10	1.52
			For >10 To 50, Deduct	-0.63	
			For >50 To 100, Deduct	-1.50	
			For >100, Deduct	-3.01	
05 05 23 00-0014	EA		1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt .....	25.75	1.60
			For >10 To 50, Deduct	-0.67	
			For >50 To 100, Deduct	-1.65	
			For >100, Deduct	-3.29	
05 05 23 00-0015	EA		1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt .....	35.94	1.68
			For >10 To 50, Deduct	-0.70	
			For >50 To 100, Deduct	-1.95	
			For >100, Deduct	-3.90	
05 05 23 00-0016	EA		1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt .....	41.97	1.91
			For >10 To 50, Deduct	-0.79	
			For >50 To 100, Deduct	-2.24	
			For >100, Deduct	-4.48	
05 05 23 00-0017	EA		1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt .....	47.11	2.04
			For >10 To 50, Deduct	-0.85	
			For >50 To 100, Deduct	-2.45	
			For >100, Deduct	-4.91	
05 05 23 00-0018			Galvanized A307B Heavy Hex Bolts <small>(05 05 23 00-0002)</small>		
05 05 23 00-0019	EA		1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt .....	13.13	1.27
			For >10 To 50, Deduct	-0.53	
			For >50 To 100, Deduct	-1.13	
			For >100, Deduct	-2.25	
05 05 23 00-0020	EA		1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt .....	14.07	1.27
			For >10 To 50, Deduct	-0.53	
			For >50 To 100, Deduct	-1.15	
			For >100, Deduct	-2.30	
05 05 23 00-0021	EA		5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt .....	15.08	1.27
			For >10 To 50, Deduct	-0.53	
			For >50 To 100, Deduct	-1.18	
			For >100, Deduct	-2.35	
05 05 23 00-0022	EA		5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt .....	17.63	1.46
			For >10 To 50, Deduct	-0.61	
			For >50 To 100, Deduct	-1.35	
			For >100, Deduct	-2.71	
05 05 23 00-0023	EA		3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt .....	17.14	1.27
			For >10 To 50, Deduct	-0.53	
			For >50 To 100, Deduct	-1.23	
			For >100, Deduct	-2.45	
05 05 23 00-0024	EA		3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt .....	21.44	1.46
			For >10 To 50, Deduct	-0.61	
			For >50 To 100, Deduct	-1.45	
			For >100, Deduct	-2.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0025 EA 3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	27.98	1.52
<i>For &gt;10 To 50, Deduct</i>	-0.64	
<i>For &gt;50 To 100, Deduct</i>	-1.65	
<i>For &gt;100, Deduct</i>	-3.31	
05 05 23 00-0026 EA 3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt.....	32.67	1.60
<i>For &gt;10 To 50, Deduct</i>	-0.67	
<i>For &gt;50 To 100, Deduct</i>	-1.82	
<i>For &gt;100, Deduct</i>	-3.64	
05 05 23 00-0027 EA 7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	22.52	1.38
<i>For &gt;10 To 50, Deduct</i>	-0.58	
<i>For &gt;50 To 100, Deduct</i>	-1.43	
<i>For &gt;100, Deduct</i>	-2.86	
05 05 23 00-0028 EA 7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	26.64	1.52
<i>For &gt;10 To 50, Deduct</i>	-0.63	
<i>For &gt;50 To 100, Deduct</i>	-1.62	
<i>For &gt;100, Deduct</i>	-3.24	
05 05 23 00-0029 EA 1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	31.60	1.60
<i>For &gt;10 To 50, Deduct</i>	-0.67	
<i>For &gt;50 To 100, Deduct</i>	-1.79	
<i>For &gt;100, Deduct</i>	-3.59	
05 05 23 00-0030 EA 1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	46.54	1.68
<i>For &gt;10 To 50, Deduct</i>	-0.70	
<i>For &gt;50 To 100, Deduct</i>	-2.22	
<i>For &gt;100, Deduct</i>	-4.43	
05 05 23 00-0031 EA 1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	46.72	1.91
<i>For &gt;10 To 50, Deduct</i>	-0.79	
<i>For &gt;50 To 100, Deduct</i>	-2.36	
<i>For &gt;100, Deduct</i>	-4.72	
05 05 23 00-0032 EA 1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	58.09	2.04
<i>For &gt;10 To 50, Deduct</i>	-0.85	
<i>For &gt;50 To 100, Deduct</i>	-2.73	
<i>For &gt;100, Deduct</i>	-5.45	
<b>05 05 23 00-0033 A325 High Strength Structural Bolts</b> (05 05 23 00-0001)		
<b>05 05 23 00-0034 Plain Finish A325 High Strength Structural Bolts</b> (05 05 23 00-0033)		
Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0035 EA 1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	12.33	1.27
<i>For &gt;10 To 50, Deduct</i>	-0.53	
<i>For &gt;50 To 100, Deduct</i>	-1.11	
<i>For &gt;100, Deduct</i>	-2.21	
05 05 23 00-0036 EA 1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	12.57	1.27
<i>For &gt;10 To 50, Deduct</i>	-0.53	
<i>For &gt;50 To 100, Deduct</i>	-1.11	
<i>For &gt;100, Deduct</i>	-2.23	
05 05 23 00-0037 EA 5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	13.36	1.27
<i>For &gt;10 To 50, Deduct</i>	-0.53	
<i>For &gt;50 To 100, Deduct</i>	-1.13	
<i>For &gt;100, Deduct</i>	-2.27	
05 05 23 00-0038 EA 5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	16.30	1.46
<i>For &gt;10 To 50, Deduct</i>	-0.61	
<i>For &gt;50 To 100, Deduct</i>	-1.32	
<i>For &gt;100, Deduct</i>	-2.64	
05 05 23 00-0039 EA 5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	18.72	1.52
<i>For &gt;10 To 50, Deduct</i>	-0.64	
<i>For &gt;50 To 100, Deduct</i>	-1.42	
<i>For &gt;100, Deduct</i>	-2.84	
05 05 23 00-0040 EA 3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	14.46	1.27
<i>For &gt;10 To 50, Deduct</i>	-0.53	
<i>For &gt;50 To 100, Deduct</i>	-1.16	
<i>For &gt;100, Deduct</i>	-2.32	
05 05 23 00-0041 EA 3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	17.46	1.46
<i>For &gt;10 To 50, Deduct</i>	-0.61	
<i>For &gt;50 To 100, Deduct</i>	-1.35	
<i>For &gt;100, Deduct</i>	-2.70	
05 05 23 00-0042 EA 3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	19.75	1.52
<i>For &gt;10 To 50, Deduct</i>	-0.64	
<i>For &gt;50 To 100, Deduct</i>	-1.45	
<i>For &gt;100, Deduct</i>	-2.89	
05 05 23 00-0043 EA 3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	24.06	1.60
<i>For &gt;10 To 50, Deduct</i>	-0.67	
<i>For &gt;50 To 100, Deduct</i>	-1.60	
<i>For &gt;100, Deduct</i>	-3.21	
05 05 23 00-0044 EA 7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	16.69	1.38
<i>For &gt;10 To 50, Deduct</i>	-0.58	
<i>For &gt;50 To 100, Deduct</i>	-1.28	
<i>For &gt;100, Deduct</i>	-2.57	
05 05 23 00-0045 EA 7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	20.18	1.52
<i>For &gt;10 To 50, Deduct</i>	-0.63	
<i>For &gt;50 To 100, Deduct</i>	-1.46	
<i>For &gt;100, Deduct</i>	-2.91	
05 05 23 00-0046 EA 7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	22.92	1.60
<i>For &gt;10 To 50, Deduct</i>	-0.67	
<i>For &gt;50 To 100, Deduct</i>	-1.58	
<i>For &gt;100, Deduct</i>	-3.15	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0047	EA		7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	24.79	1.68
			<i>For &gt;10 To 50, Deduct</i>	-0.70	
			<i>For &gt;50 To 100, Deduct</i>	-1.67	
			<i>For &gt;100, Deduct</i>	-3.35	
05 05 23 00-0048	EA		1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	18.37	1.44
			<i>For &gt;10 To 50, Deduct</i>	-0.60	
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100, Deduct</i>	-2.72	
05 05 23 00-0049	EA		1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	21.99	1.60
			<i>For &gt;10 To 50, Deduct</i>	-0.67	
			<i>For &gt;50 To 100, Deduct</i>	-1.55	
			<i>For &gt;100, Deduct</i>	-3.11	
05 05 23 00-0050	EA		1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	25.32	1.68
			<i>For &gt;10 To 50, Deduct</i>	-0.70	
			<i>For &gt;50 To 100, Deduct</i>	-1.69	
			<i>For &gt;100, Deduct</i>	-3.37	
05 05 23 00-0051	EA		1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	32.09	1.79
			<i>For &gt;10 To 50, Deduct</i>	-0.75	
			<i>For &gt;50 To 100, Deduct</i>	-1.92	
			<i>For &gt;100, Deduct</i>	-3.85	
05 05 23 00-0052	EA		1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	30.71	1.79
			<i>For &gt;10 To 50, Deduct</i>	-0.75	
			<i>For &gt;50 To 100, Deduct</i>	-1.89	
			<i>For &gt;100, Deduct</i>	-3.78	
05 05 23 00-0053	EA		1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	34.69	1.91
			<i>For &gt;10 To 50, Deduct</i>	-0.79	
			<i>For &gt;50 To 100, Deduct</i>	-2.06	
			<i>For &gt;100, Deduct</i>	-4.11	
05 05 23 00-0054	EA		1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	40.55	2.04
			<i>For &gt;10 To 50, Deduct</i>	-0.85	
			<i>For &gt;50 To 100, Deduct</i>	-2.29	
			<i>For &gt;100, Deduct</i>	-4.58	
05 05 23 00-0055	EA		1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	47.40	2.18
			<i>For &gt;10 To 50, Deduct</i>	-0.91	
			<i>For &gt;50 To 100, Deduct</i>	-2.54	
			<i>For &gt;100, Deduct</i>	-5.09	
05 05 23 00-0056			<b>Galvanized A325 High Strength Structural Bolts</b> <small>(05 05 23 00-0033)</small>		
			Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0057	EA		1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt.....	12.82	1.27
			<i>For &gt;10 To 50, Deduct</i>	-0.53	
			<i>For &gt;50 To 100, Deduct</i>	-1.12	
			<i>For &gt;100, Deduct</i>	-2.24	
05 05 23 00-0058	EA		1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	12.99	1.27
			<i>For &gt;10 To 50, Deduct</i>	-0.53	
			<i>For &gt;50 To 100, Deduct</i>	-1.12	
			<i>For &gt;100, Deduct</i>	-2.25	
05 05 23 00-0059	EA		5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	14.40	1.27
			<i>For &gt;10 To 50, Deduct</i>	-0.53	
			<i>For &gt;50 To 100, Deduct</i>	-1.16	
			<i>For &gt;100, Deduct</i>	-2.32	
05 05 23 00-0060	EA		5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	17.04	1.46
			<i>For &gt;10 To 50, Deduct</i>	-0.61	
			<i>For &gt;50 To 100, Deduct</i>	-1.34	
			<i>For &gt;100, Deduct</i>	-2.68	
05 05 23 00-0061	EA		5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	18.01	1.52
			<i>For &gt;10 To 50, Deduct</i>	-0.64	
			<i>For &gt;50 To 100, Deduct</i>	-1.40	
			<i>For &gt;100, Deduct</i>	-2.81	
05 05 23 00-0062	EA		3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	14.94	1.27
			<i>For &gt;10 To 50, Deduct</i>	-0.53	
			<i>For &gt;50 To 100, Deduct</i>	-1.17	
			<i>For &gt;100, Deduct</i>	-2.34	
05 05 23 00-0063	EA		3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	18.06	1.46
			<i>For &gt;10 To 50, Deduct</i>	-0.61	
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100, Deduct</i>	-2.73	
05 05 23 00-0064	EA		3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	20.69	1.52
			<i>For &gt;10 To 50, Deduct</i>	-0.64	
			<i>For &gt;50 To 100, Deduct</i>	-1.47	
			<i>For &gt;100, Deduct</i>	-2.94	
05 05 23 00-0065	EA		3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	26.28	1.60
			<i>For &gt;10 To 50, Deduct</i>	-0.67	
			<i>For &gt;50 To 100, Deduct</i>	-1.66	
			<i>For &gt;100, Deduct</i>	-3.32	
05 05 23 00-0066	EA		7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	19.56	1.38
			<i>For &gt;10 To 50, Deduct</i>	-0.58	
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100, Deduct</i>	-2.71	
05 05 23 00-0067	EA		7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	21.88	1.52
			<i>For &gt;10 To 50, Deduct</i>	-0.63	
			<i>For &gt;50 To 100, Deduct</i>	-1.50	
			<i>For &gt;100, Deduct</i>	-3.00	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0068 EA 7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	24.98	1.60
<i>For &gt;10 To 50, Deduct</i>	-0.67	
<i>For &gt;50 To 100, Deduct</i>	-1.63	
<i>For &gt;100, Deduct</i>	-3.25	
05 05 23 00-0069 EA 7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	30.96	1.68
<i>For &gt;10 To 50, Deduct</i>	-0.70	
<i>For &gt;50 To 100, Deduct</i>	-1.83	
<i>For &gt;100, Deduct</i>	-3.66	
05 05 23 00-0070 EA 1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	20.60	1.44
<i>For &gt;10 To 50, Deduct</i>	-0.60	
<i>For &gt;50 To 100, Deduct</i>	-1.42	
<i>For &gt;100, Deduct</i>	-2.83	
05 05 23 00-0071 EA 1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	27.10	1.60
<i>For &gt;10 To 50, Deduct</i>	-0.67	
<i>For &gt;50 To 100, Deduct</i>	-1.68	
<i>For &gt;100, Deduct</i>	-3.36	
05 05 23 00-0072 EA 1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	29.60	1.68
<i>For &gt;10 To 50, Deduct</i>	-0.70	
<i>For &gt;50 To 100, Deduct</i>	-1.79	
<i>For &gt;100, Deduct</i>	-3.59	
05 05 23 00-0073 EA 1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	37.37	1.79
<i>For &gt;10 To 50, Deduct</i>	-0.75	
<i>For &gt;50 To 100, Deduct</i>	-2.06	
<i>For &gt;100, Deduct</i>	-4.11	
05 05 23 00-0074 EA 1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	37.15	1.79
<i>For &gt;10 To 50, Deduct</i>	-0.75	
<i>For &gt;50 To 100, Deduct</i>	-2.05	
<i>For &gt;100, Deduct</i>	-4.10	
05 05 23 00-0075 EA 1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	39.61	1.91
<i>For &gt;10 To 50, Deduct</i>	-0.79	
<i>For &gt;50 To 100, Deduct</i>	-2.18	
<i>For &gt;100, Deduct</i>	-4.36	
05 05 23 00-0076 EA 1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	46.19	2.04
<i>For &gt;10 To 50, Deduct</i>	-0.85	
<i>For &gt;50 To 100, Deduct</i>	-2.43	
<i>For &gt;100, Deduct</i>	-4.86	
05 05 23 00-0077 EA 1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	53.30	2.18
<i>For &gt;10 To 50, Deduct</i>	-0.91	
<i>For &gt;50 To 100, Deduct</i>	-2.69	
<i>For &gt;100, Deduct</i>	-5.38	
05 05 23 00-0078 A490 High Strength Structural Bolts <small>(05 05 23 00-0001)</small>		
Note: Includes A490 heavy hex nut and two structural washers.		
05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts <small>(05 05 23 00-0078)</small>		
05 05 23 00-0080 EA 5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	13.75	1.27
<i>For &gt;10 To 50, Deduct</i>	-0.53	
<i>For &gt;50 To 100, Deduct</i>	-1.14	
<i>For &gt;100, Deduct</i>	-2.29	
05 05 23 00-0081 EA 5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	18.98	1.46
<i>For &gt;10 To 50, Deduct</i>	-0.61	
<i>For &gt;50 To 100, Deduct</i>	-1.39	
<i>For &gt;100, Deduct</i>	-2.77	
05 05 23 00-0082 EA 5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	20.26	1.52
<i>For &gt;10 To 50, Deduct</i>	-0.64	
<i>For &gt;50 To 100, Deduct</i>	-1.46	
<i>For &gt;100, Deduct</i>	-2.92	
05 05 23 00-0083 EA 3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	15.27	1.27
<i>For &gt;10 To 50, Deduct</i>	-0.53	
<i>For &gt;50 To 100, Deduct</i>	-1.18	
<i>For &gt;100, Deduct</i>	-2.36	
05 05 23 00-0084 EA 3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	18.38	1.46
<i>For &gt;10 To 50, Deduct</i>	-0.61	
<i>For &gt;50 To 100, Deduct</i>	-1.37	
<i>For &gt;100, Deduct</i>	-2.74	
05 05 23 00-0085 EA 3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	21.24	1.52
<i>For &gt;10 To 50, Deduct</i>	-0.64	
<i>For &gt;50 To 100, Deduct</i>	-1.48	
<i>For &gt;100, Deduct</i>	-2.97	
05 05 23 00-0086 EA 3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	26.95	1.60
<i>For &gt;10 To 50, Deduct</i>	-0.67	
<i>For &gt;50 To 100, Deduct</i>	-1.68	
<i>For &gt;100, Deduct</i>	-3.35	
05 05 23 00-0087 EA 7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	17.63	1.38
<i>For &gt;10 To 50, Deduct</i>	-0.58	
<i>For &gt;50 To 100, Deduct</i>	-1.31	
<i>For &gt;100, Deduct</i>	-2.61	
05 05 23 00-0088 EA 7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	20.48	1.52
<i>For &gt;10 To 50, Deduct</i>	-0.63	
<i>For &gt;50 To 100, Deduct</i>	-1.46	
<i>For &gt;100, Deduct</i>	-2.93	
05 05 23 00-0089 EA 7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	28.96	1.60
<i>For &gt;10 To 50, Deduct</i>	-0.67	
<i>For &gt;50 To 100, Deduct</i>	-1.73	
<i>For &gt;100, Deduct</i>	-3.45	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0090	EA		1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	20.55	1.44
			<i>For &gt;10 To 50, Deduct</i>	-0.60	
			<i>For &gt;50 To 100, Deduct</i>	-1.41	
			<i>For &gt;100, Deduct</i>	-2.83	
05 05 23 00-0091	EA		1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	24.44	1.60
			<i>For &gt;10 To 50, Deduct</i>	-0.67	
			<i>For &gt;50 To 100, Deduct</i>	-1.61	
			<i>For &gt;100, Deduct</i>	-3.23	
05 05 23 00-0092	EA		1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	27.95	1.68
			<i>For &gt;10 To 50, Deduct</i>	-0.70	
			<i>For &gt;50 To 100, Deduct</i>	-1.75	
			<i>For &gt;100, Deduct</i>	-3.51	
05 05 23 00-0093	EA		1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt.....	34.61	1.79
			<i>For &gt;10 To 50, Deduct</i>	-0.75	
			<i>For &gt;50 To 100, Deduct</i>	-1.99	
			<i>For &gt;100, Deduct</i>	-3.97	
05 05 23 00-0094	EA		1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	44.00	1.91
			<i>For &gt;10 To 50, Deduct</i>	-0.79	
			<i>For &gt;50 To 100, Deduct</i>	-2.29	
			<i>For &gt;100, Deduct</i>	-4.58	
05 05 23 00-0095	EA		1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	46.35	2.04
			<i>For &gt;10 To 50, Deduct</i>	-0.85	
			<i>For &gt;50 To 100, Deduct</i>	-2.43	
			<i>For &gt;100, Deduct</i>	-4.87	
05 05 23 00-0096	EA		1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	48.40	2.18
			<i>For &gt;10 To 50, Deduct</i>	-0.91	
			<i>For &gt;50 To 100, Deduct</i>	-2.57	
			<i>For &gt;100, Deduct</i>	-5.14	
05 05 23 00-0097			<b>Hex Head Bolts</b> <small>(05 05 23 00-0001)</small>		
05 05 23 00-0098			<b>Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0097)</small>		
05 05 23 00-0099			<b>1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0098)</small>		
05 05 23 00-0100	EA		1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.95	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0101	EA		1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.98	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0102	EA		1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.04	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0103	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.07	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0104	EA		1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.30	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0105	EA		1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.33	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0106	EA		1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.42	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0107	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.63	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0108	EA		1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.66	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0109	EA		1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.81	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0110	EA		1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.11	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0111	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.22	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0112 EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.37	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0113 EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.90	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0114 EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.14	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0115 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.20	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-0116 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small></b>		
05 05 23 00-0117 EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.01	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0118 EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.03	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0119 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.09	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0120 EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.13	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0121 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.37	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0122 EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.47	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0123 EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.51	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0124 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.80	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0125 EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.94	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0126 EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.00	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0127 EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.23	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0128 EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.29	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0129 EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.83	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0130 EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.29	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0131 EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.53	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0132 EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.74	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0133			<b>3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0098)</small>		
	EA		3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.08	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0135	EA		3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0136	EA		3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.17	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0137	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.24	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0138	EA		3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.49	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0139	EA		3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.62	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0140	EA		3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.74	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0141	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.06	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0142	EA		3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.23	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0143	EA		3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.32	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0144	EA		3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.67	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0145	EA		3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.76	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0146	EA		3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.83	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0147	EA		3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.07	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0148	EA		3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.17	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0149	EA		3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.31	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0150			<b>7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0098)</small>		
05 05 23 00-0151	EA		7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.35	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0152	EA		7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.45	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0153	EA		7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.46	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0154	EA		7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.80	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0155 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.95	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0156 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.08	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0157 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.60	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0158 EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.69	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0159 EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.87	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0160 EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.38	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0161 EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.47	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0162 EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.70	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0163 EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.99	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0164 EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.20	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0165 EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.61	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
<b>05 05 23 00-0166 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small></b>		
05 05 23 00-0167 EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.27	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0168 EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.39	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0169 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.51	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0170 EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.84	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0171 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.97	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0172 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.10	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0173 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.45	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0174 EA 1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.60	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0175 EA 1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.85	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0176	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.09	
	<i>For &gt;100 To 250, Deduct</i>	-1.69	
	<i>For &gt;250 To 500, Deduct</i>	-2.11	
	<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0177	EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.12	
	<i>For &gt;100 To 250, Deduct</i>	-1.69	
	<i>For &gt;250 To 500, Deduct</i>	-2.11	
	<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0178	EA 1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.34	
	<i>For &gt;100 To 250, Deduct</i>	-1.69	
	<i>For &gt;250 To 500, Deduct</i>	-2.11	
	<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0179	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.72	
	<i>For &gt;100 To 250, Deduct</i>	-1.73	
	<i>For &gt;250 To 500, Deduct</i>	-2.16	
	<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0180	EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.86	
	<i>For &gt;100 To 250, Deduct</i>	-1.73	
	<i>For &gt;250 To 500, Deduct</i>	-2.16	
	<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0181	EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.23	
	<i>For &gt;100 To 250, Deduct</i>	-1.73	
	<i>For &gt;250 To 500, Deduct</i>	-2.16	
	<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0182	EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.60	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0183	EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.74	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0184	EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.26	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0185	EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.40	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.21	
	<i>For &gt;500, Deduct</i>	-2.65	
<b>05 05 23 00-0186</b>	<b>9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small></b>		
05 05 23 00-0187	EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.39	
	<i>For &gt;100 To 250, Deduct</i>	-1.57	
	<i>For &gt;250 To 500, Deduct</i>	-1.96	
	<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0188	EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.56	
	<i>For &gt;100 To 250, Deduct</i>	-1.57	
	<i>For &gt;250 To 500, Deduct</i>	-1.96	
	<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0189	EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.60	
	<i>For &gt;100 To 250, Deduct</i>	-1.57	
	<i>For &gt;250 To 500, Deduct</i>	-1.96	
	<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0190	EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.34	
	<i>For &gt;100 To 250, Deduct</i>	-1.61	
	<i>For &gt;250 To 500, Deduct</i>	-2.01	
	<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0191	EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.56	
	<i>For &gt;100 To 250, Deduct</i>	-1.61	
	<i>For &gt;250 To 500, Deduct</i>	-2.01	
	<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0192	EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.63	
	<i>For &gt;100 To 250, Deduct</i>	-1.61	
	<i>For &gt;250 To 500, Deduct</i>	-2.01	
	<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0193	EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.85	
	<i>For &gt;100 To 250, Deduct</i>	-1.65	
	<i>For &gt;250 To 500, Deduct</i>	-2.06	
	<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0194	EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.90	
	<i>For &gt;100 To 250, Deduct</i>	-1.65	
	<i>For &gt;250 To 500, Deduct</i>	-2.06	
	<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0195	EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.09	
	<i>For &gt;100 To 250, Deduct</i>	-1.65	
	<i>For &gt;250 To 500, Deduct</i>	-2.06	
	<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0196	EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.34	
	<i>For &gt;100 To 250, Deduct</i>	-1.69	
	<i>For &gt;250 To 500, Deduct</i>	-2.11	
	<i>For &gt;500, Deduct</i>	-2.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0197 EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.39	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0198 EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.55	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0199 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.92	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0200 EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.11	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0201 EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.31	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0202 EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.67	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0203 EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.90	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0204 EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.05	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0205 EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.29	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
<b>05 05 23 00-0206 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small></b>		
05 05 23 00-0207 EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.74	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0208 EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.85	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0209 EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.99	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0210 EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.39	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0211 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.60	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0212 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.87	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0213 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.40	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0214 EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.81	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0215 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.13	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0216 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.46	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0217 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.50	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0218	EA		5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.04	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0219	EA		5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.54	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0220	EA		5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0221	EA		5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.48	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0222	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.22	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0223	EA		5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.71	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0224	EA		5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.22	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0225	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.61	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
<b>05 05 23 00-0226</b>			<b>3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0098)</small>		
05 05 23 00-0227	EA		3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0228	EA		3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.33	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0229	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.53	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0230	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.99	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0231	EA		3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.31	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0232	EA		3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.59	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0233	EA		3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.08	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0234	EA		3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.47	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0235	EA		3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0236	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.62	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0237	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.88	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0238	EA		3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.36	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0239 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.58	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0240 EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.71	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0241 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.23	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0242 EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.12	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0243 EA 3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.64	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0244 EA 3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.34	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0245 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.02	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0246 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0247 EA 7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.26	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0248 EA 7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.45	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0249 EA 7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.54	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0250 EA 7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.00	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0251 EA 7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.51	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0252 EA 7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.11	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0253 EA 7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.81	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0254 EA 7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.68	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0255 EA 7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.16	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0256 EA 7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.73	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0257 EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.02	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0258 EA 7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.71	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0259 EA 7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.60	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0260	EA 7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.29	
	For >100 To 250, Deduct	-2.12	
	For >250 To 500, Deduct	-2.65	
	For >500, Deduct	-3.18	
05 05 23 00-0261	EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.98	
	For >100 To 250, Deduct	-2.12	
	For >250 To 500, Deduct	-2.65	
	For >500, Deduct	-3.18	
05 05 23 00-0262	EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.82	
	For >100 To 250, Deduct	-2.16	
	For >250 To 500, Deduct	-2.70	
	For >500, Deduct	-3.23	
05 05 23 00-0263	EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.55	
	For >100 To 250, Deduct	-2.16	
	For >250 To 500, Deduct	-2.70	
	For >500, Deduct	-3.23	
05 05 23 00-0264	EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.21	
	For >100 To 250, Deduct	-2.16	
	For >250 To 500, Deduct	-2.70	
	For >500, Deduct	-3.23	
05 05 23 00-0265	EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.93	
	For >100 To 250, Deduct	-2.16	
	For >250 To 500, Deduct	-2.70	
	For >500, Deduct	-3.23	
05 05 23 00-0266	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098).....		
05 05 23 00-0267	EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.11	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
05 05 23 00-0268	EA 1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.37	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
05 05 23 00-0269	EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.36	
	For >100 To 250, Deduct	-2.00	
	For >250 To 500, Deduct	-2.50	
	For >500, Deduct	-3.00	
05 05 23 00-0270	EA 1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.35	
	For >100 To 250, Deduct	-2.00	
	For >250 To 500, Deduct	-2.50	
	For >500, Deduct	-3.00	
05 05 23 00-0271	EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.26	
	For >100 To 250, Deduct	-2.00	
	For >250 To 500, Deduct	-2.50	
	For >500, Deduct	-3.00	
05 05 23 00-0272	EA 1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.39	
	For >100 To 250, Deduct	-2.04	
	For >250 To 500, Deduct	-2.55	
	For >500, Deduct	-3.06	
05 05 23 00-0273	EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.26	
	For >100 To 250, Deduct	-2.04	
	For >250 To 500, Deduct	-2.55	
	For >500, Deduct	-3.06	
05 05 23 00-0274	EA 1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.17	
	For >100 To 250, Deduct	-2.04	
	For >250 To 500, Deduct	-2.55	
	For >500, Deduct	-3.06	
05 05 23 00-0275	EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.81	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0276	EA 1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.24	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0277	EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.00	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0278	EA 1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.96	
	For >100 To 250, Deduct	-2.12	
	For >250 To 500, Deduct	-2.65	
	For >500, Deduct	-3.18	
05 05 23 00-0279	EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.71	
	For >100 To 250, Deduct	-2.12	
	For >250 To 500, Deduct	-2.65	
	For >500, Deduct	-3.18	
05 05 23 00-0280	EA 1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.49	
	For >100 To 250, Deduct	-2.12	
	For >250 To 500, Deduct	-2.65	
	For >500, Deduct	-3.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0281 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.30	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0282 EA 1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.19	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0283 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.97	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0284 EA 1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.76	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0285 Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0286 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0287 EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.00	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0288 EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.04	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0289 EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.07	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0290 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.14	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0291 EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.40	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0292 EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.51	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0293 EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.64	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0294 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.95	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0295 EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.10	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0296 EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.21	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0297 EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.52	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0298 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.62	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0299 EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.72	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0300 EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.06	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0301 EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.20	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0302 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.34	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0303	5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0304	EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.08	
	For >100 To 250, Deduct	-1.37	
	For >250 To 500, Deduct	-1.72	
	For >500, Deduct	-2.06	
05 05 23 00-0305	EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.11	
	For >100 To 250, Deduct	-1.37	
	For >250 To 500, Deduct	-1.72	
	For >500, Deduct	-2.06	
05 05 23 00-0306	EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.15	
	For >100 To 250, Deduct	-1.37	
	For >250 To 500, Deduct	-1.72	
	For >500, Deduct	-2.06	
05 05 23 00-0307	EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.24	
	For >100 To 250, Deduct	-1.37	
	For >250 To 500, Deduct	-1.72	
	For >500, Deduct	-2.06	
05 05 23 00-0308	EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.50	
	For >100 To 250, Deduct	-1.41	
	For >250 To 500, Deduct	-1.77	
	For >500, Deduct	-2.12	
05 05 23 00-0309	EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.61	
	For >100 To 250, Deduct	-1.41	
	For >250 To 500, Deduct	-1.77	
	For >500, Deduct	-2.12	
05 05 23 00-0310	EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.82	
	For >100 To 250, Deduct	-1.41	
	For >250 To 500, Deduct	-1.77	
	For >500, Deduct	-2.12	
05 05 23 00-0311	EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.12	
	For >100 To 250, Deduct	-1.45	
	For >250 To 500, Deduct	-1.82	
	For >500, Deduct	-2.18	
05 05 23 00-0312	EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.27	
	For >100 To 250, Deduct	-1.45	
	For >250 To 500, Deduct	-1.82	
	For >500, Deduct	-2.18	
05 05 23 00-0313	EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.42	
	For >100 To 250, Deduct	-1.45	
	For >250 To 500, Deduct	-1.82	
	For >500, Deduct	-2.18	
05 05 23 00-0314	EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.90	
	For >100 To 250, Deduct	-1.49	
	For >250 To 500, Deduct	-1.86	
	For >500, Deduct	-2.24	
05 05 23 00-0315	EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.95	
	For >100 To 250, Deduct	-1.49	
	For >250 To 500, Deduct	-1.86	
	For >500, Deduct	-2.24	
05 05 23 00-0316	EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.14	
	For >100 To 250, Deduct	-1.49	
	For >250 To 500, Deduct	-1.86	
	For >500, Deduct	-2.24	
05 05 23 00-0317	EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.60	
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.30	
05 05 23 00-0318	EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.87	
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.30	
05 05 23 00-0319	EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.12	
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.30	
05 05 23 00-0320	3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0321	EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.12	
	For >100 To 250, Deduct	-1.37	
	For >250 To 500, Deduct	-1.72	
	For >500, Deduct	-2.06	
05 05 23 00-0322	EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.14	
	For >100 To 250, Deduct	-1.37	
	For >250 To 500, Deduct	-1.72	
	For >500, Deduct	-2.06	
05 05 23 00-0323	EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.23	
	For >100 To 250, Deduct	-1.37	
	For >250 To 500, Deduct	-1.72	
	For >500, Deduct	-2.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0324 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.33	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0325 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.62	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0326 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.73	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0327 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.91	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0328 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.30	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0329 EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.71	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0330 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.89	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0331 EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.33	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0332 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.50	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0333 EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.81	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0334 EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.24	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0335 EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.65	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0336 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.98	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0338 EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.28	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0339 EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.36	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0340 EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.57	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0341 EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.93	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0342 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.09	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0343 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.23	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0344 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.61	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0345	EA		7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.42	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0346	EA		7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0347	EA		7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0348	EA		7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.26	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0349	EA		7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.44	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0350	EA		7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.86	
			<i>For &gt;100 To 250, Deduct</i>	-1.73	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0351	EA		7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.73	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0352	EA		7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.34	
			<i>For &gt;100 To 250, Deduct</i>	-1.73	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500, Deduct</i>	-2.59	
<b>05 05 23 00-0353</b>			<b>1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0354	EA		1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.39	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0355	EA		1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0356	EA		1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.62	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0357	EA		1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.02	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0358	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.20	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0359	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.39	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0360	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.76	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0361	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.40	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0362	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.44	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0363	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.08	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0364	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.32	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0365	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0366 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.73	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0367 EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.08	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0368 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.22	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0369 EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.07	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0370 EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.69	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0371 EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.57	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0372 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.91	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
<b>05 05 23 00-0373 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0374 EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.73	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0375 EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.94	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0376 EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.12	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0377 EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.53	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0378 EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.78	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0379 EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.07	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0380 EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.59	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0381 EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.70	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0382 EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.99	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0383 EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.52	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0384 EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.82	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0385 EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.85	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0386 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.30	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0387	EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	15.72	
	For >100 To 250, Deduct	-1.73	
	For >250 To 500, Deduct	-2.16	
	For >500, Deduct	-2.59	
05 05 23 00-0388	EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	16.43	
	For >100 To 250, Deduct	-1.73	
	For >250 To 500, Deduct	-2.16	
	For >500, Deduct	-2.59	
05 05 23 00-0389	EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.29	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
05 05 23 00-0390	EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.54	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
05 05 23 00-0391	EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.80	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
05 05 23 00-0392	EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	18.44	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
<b>05 05 23 00-0393</b>	<b>5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> (05 05 23 00-0285)		
05 05 23 00-0394	EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.93	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
05 05 23 00-0395	EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.00	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
05 05 23 00-0396	EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.06	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
05 05 23 00-0397	EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.46	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0398	EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.80	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0399	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	11.10	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0400	EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	11.61	
	For >100 To 250, Deduct	-1.84	
	For >250 To 500, Deduct	-2.30	
	For >500, Deduct	-2.76	
05 05 23 00-0401	EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.21	
	For >100 To 250, Deduct	-1.84	
	For >250 To 500, Deduct	-2.30	
	For >500, Deduct	-2.76	
05 05 23 00-0402	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.53	
	For >100 To 250, Deduct	-1.84	
	For >250 To 500, Deduct	-2.30	
	For >500, Deduct	-2.76	
05 05 23 00-0403	EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.89	
	For >100 To 250, Deduct	-1.88	
	For >250 To 500, Deduct	-2.35	
	For >500, Deduct	-2.82	
05 05 23 00-0404	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	13.40	
	For >100 To 250, Deduct	-1.88	
	For >250 To 500, Deduct	-2.35	
	For >500, Deduct	-2.82	
05 05 23 00-0405	EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	14.21	
	For >100 To 250, Deduct	-1.88	
	For >250 To 500, Deduct	-2.35	
	For >500, Deduct	-2.82	
05 05 23 00-0406	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	15.14	
	For >100 To 250, Deduct	-1.92	
	For >250 To 500, Deduct	-2.40	
	For >500, Deduct	-2.88	
05 05 23 00-0407	EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	15.81	
	For >100 To 250, Deduct	-1.92	
	For >250 To 500, Deduct	-2.40	
	For >500, Deduct	-2.88	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0408 EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.91	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0409 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.32	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0410 EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.23	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0411 EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.55	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0412 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.01	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
<b>05 05 23 00-0413 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0414 EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.69	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0415 EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.82	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0416 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.89	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0417 EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.38	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0418 EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.72	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0419 EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.23	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0420 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.77	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0421 EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.10	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0422 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.80	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0423 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.32	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0424 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.89	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0425 EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.59	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0426 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.77	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0427 EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.50	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0428 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.91	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0429	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.20	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0430	EA		3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.57	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0431	EA		3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.77	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0432	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.07	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0433			<b>7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> (05 05 23 00-0285)		
05 05 23 00-0434	EA		7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.62	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0435	EA		7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.79	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0436	EA		7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.01	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0437	EA		7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.44	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0438	EA		7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.12	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0439	EA		7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.57	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0440	EA		7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.11	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0441	EA		7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.91	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0442	EA		7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.51	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0443	EA		7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.99	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0444	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.49	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0445	EA		7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.65	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0446	EA		7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.62	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0447	EA		7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.56	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0448	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.62	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0449	EA		7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.18	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0450 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.10	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0451 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.89	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0452 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	25.68	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
<b>05 05 23 00-0453 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0454 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.13	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0455 EA 1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.18	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0456 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.89	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0457 EA 1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.54	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0458 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.03	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0459 EA 1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.84	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0460 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.61	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0461 EA 1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.73	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0462 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.72	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0463 EA 1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.96	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0464 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.52	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0465 EA 1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.72	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0466 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.39	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0467 EA 1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.86	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0468 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	30.37	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0469 EA 1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	30.80	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0470 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	31.94	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0471 EA 1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	32.72	
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-2.70	
For >500, Deduct	-3.23	
<b>05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0097)</b>		
<b>05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)</b>		
05 05 23 00-0474 EA 1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.02	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.06	
05 05 23 00-0475 EA 1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.10	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.06	
05 05 23 00-0476 EA 1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.14	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.06	
05 05 23 00-0477 EA 1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.22	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.06	
05 05 23 00-0478 EA 1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.47	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0479 EA 1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.56	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0480 EA 1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.65	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0481 EA 1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.86	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.82	
For >500, Deduct	-2.18	
05 05 23 00-0482 EA 1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.12	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.82	
For >500, Deduct	-2.18	
05 05 23 00-0483 EA 1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.36	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.82	
For >500, Deduct	-2.18	
05 05 23 00-0484 EA 1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.67	
For >100 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-1.86	
For >500, Deduct	-2.24	
05 05 23 00-0485 EA 1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.80	
For >100 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-1.86	
For >500, Deduct	-2.24	
05 05 23 00-0486 EA 1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.97	
For >100 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-1.86	
For >500, Deduct	-2.24	
05 05 23 00-0487 EA 1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.28	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-0488 EA 1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.60	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-0489 EA 1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.74	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
<b>05 05 23 00-0490 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)</b>		
05 05 23 00-0491 EA 5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.09	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.06	
05 05 23 00-0492 EA 5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.14	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0493 EA 5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.29	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0494 EA 5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.32	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0495 EA 5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.60	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0496 EA 5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.82	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0497 EA 5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.89	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0498 EA 5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.22	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0499 EA 5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	8.37	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0500 EA 5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.70	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0501 EA 5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.08	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0502 EA 5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.21	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0503 EA 5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.40	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0504 EA 5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.73	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0505 EA 5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.88	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0506 EA 5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.15	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-0507 3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)</b>		
05 05 23 00-0508 EA 3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.25	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0509 EA 3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.27	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0510 EA 3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.28	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0511 EA 3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.46	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0512 EA 3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.76	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0513 EA 3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.94	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0514	EA		3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0515	EA		3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.81	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0516	EA		3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.02	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0517	EA		3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.06	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0518	EA		3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.33	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0519	EA		3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.55	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0520	EA		3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.56	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0521	EA		3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.00	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0522	EA		3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.45	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0523	EA		3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.51	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0524			<b>7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0472)</small>		
05 05 23 00-0525	EA		7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.40	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0526	EA		7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.42	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0527	EA		7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.71	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0528	EA		7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.93	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0529	EA		7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.25	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0530	EA		7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.43	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0531	EA		7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.65	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0532	EA		7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.35	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0533	EA		7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.91	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0534	EA		7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.49	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0535 EA 7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.68	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0536 EA 7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.97	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0537 EA 7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.59	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0538 EA 7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.53	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0539 EA 7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.60	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
<b>05 05 23 00-0540 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0472)</small>		
05 05 23 00-0541 EA 1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.58	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0542 EA 1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.79	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0543 EA 1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.92	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0544 EA 1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.25	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0545 EA 1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.48	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0546 EA 1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.99	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0547 EA 1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.54	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0548 EA 1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.84	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0549 EA 1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.05	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0550 EA 1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.63	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0551 EA 1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.28	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0552 EA 1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.87	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0553 EA 1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.58	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0554 EA 1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.84	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0555 EA 1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.58	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0556	EA		1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.01	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0557	EA		1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.54	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0558	EA		1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.82	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0559	EA		1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.14	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0560			9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small> .....	8.77	
05 05 23 00-0561	EA		9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.77	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0562	EA		9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.90	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0563	EA		9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.18	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0564	EA		9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.81	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0565	EA		9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.91	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0566	EA		9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.33	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0567	EA		9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.80	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0568	EA		9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.17	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0569	EA		9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.44	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0570	EA		9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.86	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0571	EA		9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.46	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0572	EA		9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.71	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0573	EA		9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.54	
			<i>For &gt;100 To 250, Deduct</i>	-1.73	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0574	EA		9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.79	
			<i>For &gt;100 To 250, Deduct</i>	-1.73	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0575	EA		9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.33	
			<i>For &gt;100 To 250, Deduct</i>	-1.73	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500, Deduct</i>	-2.59	

05 05 23 00-0576 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0577 EA 5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.20	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0578 EA 5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	10.32	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0579 EA 5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.64	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0580 EA 5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.30	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0581 EA 5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.68	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0582 EA 5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.88	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0583 EA 5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.22	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0584 EA 5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	12.89	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0585 EA 5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.19	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0586 EA 5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	13.71	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0587 EA 5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.03	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0588 EA 5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	14.70	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0589 EA 5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.47	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0590 EA 5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	17.23	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0591 EA 5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.54	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0592 EA 5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	19.09	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0593 EA 5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.58	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0594 EA 5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	20.69	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0595 EA 5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.08	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
<b>05 05 23 00-0596 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0472)</small>		
05 05 23 00-0597 EA 3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.90	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0598	EA 3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.04	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
05 05 23 00-0599	EA 3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.13	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-2.65	
05 05 23 00-0600	EA 3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.52	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0601	EA 3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.80	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0602	EA 3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.61	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0603	EA 3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.14	
	For >100 To 250, Deduct	-1.84	
	For >250 To 500, Deduct	-2.30	
	For >500, Deduct	-2.76	
05 05 23 00-0604	EA 3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.21	
	For >100 To 250, Deduct	-1.84	
	For >250 To 500, Deduct	-2.30	
	For >500, Deduct	-2.76	
05 05 23 00-0605	EA 3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.31	
	For >100 To 250, Deduct	-1.84	
	For >250 To 500, Deduct	-2.30	
	For >500, Deduct	-2.76	
05 05 23 00-0606	EA 3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.91	
	For >100 To 250, Deduct	-1.88	
	For >250 To 500, Deduct	-2.35	
	For >500, Deduct	-2.82	
05 05 23 00-0607	EA 3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.49	
	For >100 To 250, Deduct	-1.88	
	For >250 To 500, Deduct	-2.35	
	For >500, Deduct	-2.82	
05 05 23 00-0608	EA 3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.56	
	For >100 To 250, Deduct	-1.88	
	For >250 To 500, Deduct	-2.35	
	For >500, Deduct	-2.82	
05 05 23 00-0609	EA 3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.07	
	For >100 To 250, Deduct	-1.92	
	For >250 To 500, Deduct	-2.40	
	For >500, Deduct	-2.88	
05 05 23 00-0610	EA 3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.64	
	For >100 To 250, Deduct	-1.92	
	For >250 To 500, Deduct	-2.40	
	For >500, Deduct	-2.88	
05 05 23 00-0611	EA 3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.94	
	For >100 To 250, Deduct	-1.92	
	For >250 To 500, Deduct	-2.40	
	For >500, Deduct	-2.88	
05 05 23 00-0612	EA 3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.56	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
05 05 23 00-0613	EA 3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.60	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
05 05 23 00-0614	EA 3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.35	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
05 05 23 00-0615	EA 3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.63	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
05 05 23 00-0616	7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472).....	13.83	
	EA 7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
05 05 23 00-0618	EA 7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.19	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0619 EA 7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	14.92	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0620 EA 7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.98	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0621 EA 7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	16.11	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0622 EA 7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.53	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0623 EA 7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	19.11	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0624 EA 7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.77	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0625 EA 7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	21.49	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0626 EA 7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.45	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0627 EA 7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	24.95	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0628 EA 7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.98	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0629 EA 7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	28.54	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0630 EA 7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	29.58	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0631 EA 7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	30.60	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0632 EA 7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	30.90	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0633 EA 7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	31.16	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0634 EA 7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	31.77	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
<b>05 05 23 00-0635 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0472)</small>		
05 05 23 00-0636 EA 1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	14.85	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0637 EA 1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.74	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0638 EA 1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	16.33	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0639 EA 1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.00	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0640 EA 1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.25	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.00	
05 05 23 00-0641 EA 1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.78	
For >100 To 250, Deduct	-2.04	
For >250 To 500, Deduct	-2.55	
For >500, Deduct	-3.06	
05 05 23 00-0642 EA 1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.86	
For >100 To 250, Deduct	-2.04	
For >250 To 500, Deduct	-2.55	
For >500, Deduct	-3.06	
05 05 23 00-0643 EA 1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.30	
For >100 To 250, Deduct	-2.04	
For >250 To 500, Deduct	-2.55	
For >500, Deduct	-3.06	
05 05 23 00-0644 EA 1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.16	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.12	
05 05 23 00-0645 EA 1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.77	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.12	
05 05 23 00-0646 EA 1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.78	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.12	
05 05 23 00-0647 EA 1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.44	
For >100 To 250, Deduct	-2.12	
For >250 To 500, Deduct	-2.65	
For >500, Deduct	-3.18	
05 05 23 00-0648 EA 1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	29.84	
For >100 To 250, Deduct	-2.12	
For >250 To 500, Deduct	-2.65	
For >500, Deduct	-3.18	
05 05 23 00-0649 EA 1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	30.42	
For >100 To 250, Deduct	-2.12	
For >250 To 500, Deduct	-2.65	
For >500, Deduct	-3.18	
05 05 23 00-0650 EA 1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	32.42	
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-2.70	
For >500, Deduct	-3.23	
05 05 23 00-0651 EA 1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	33.40	
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-2.70	
For >500, Deduct	-3.23	
05 05 23 00-0652 EA 1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	35.99	
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-2.70	
For >500, Deduct	-3.23	
05 05 23 00-0653 EA 1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	37.57	
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-2.70	
For >500, Deduct	-3.23	
<b>05 05 23 00-0654 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0097)</small>		
<b>05 05 23 00-0655 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>		
05 05 23 00-0656 EA 1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.13	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.06	
05 05 23 00-0657 EA 1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.14	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.06	
05 05 23 00-0658 EA 1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.16	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.06	
05 05 23 00-0659 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.34	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.06	
05 05 23 00-0660 EA 1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.62	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0661 EA 1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.73	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0662 EA 1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.77	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0663 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.98	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0664 EA 1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.11	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0665 EA 1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.15	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0666 EA 1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.43	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0667 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.54	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0668 EA 1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.58	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0669 EA 1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.88	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0670 EA 1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.19	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0671 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.58	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-0672 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>		
05 05 23 00-0673 EA 5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.04	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0674 EA 5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.40	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0675 EA 5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.43	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0676 EA 5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.44	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0677 EA 5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.79	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0678 EA 5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.13	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0679 EA 5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.19	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0680 EA 5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.48	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0681 EA 5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.51	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0682	EA		5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	8.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0683	EA		5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	9.04	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0684	EA		5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	9.14	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0685	EA		5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	9.40	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0686	EA		5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	10.11	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0687	EA		5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	10.52	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0688	EA		5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	10.90	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b>					
			<small>(05 05 23 00-0654)</small>		
05 05 23 00-0690	EA		3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	7.15	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0691	EA		3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	7.24	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0692	EA		3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	7.32	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0693	EA		3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	7.54	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0694	EA		3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	7.82	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0695	EA		3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	8.00	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0696	EA		3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	8.13	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0697	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	8.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0698	EA		3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	8.59	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0699	EA		3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	8.81	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0700	EA		3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	9.09	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0701	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	9.39	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0702	EA		3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	9.44	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0703 EA 3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.66	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0704 EA 3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.69	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0705 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.04	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>		
05 05 23 00-0707 EA 7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.66	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0708 EA 7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.04	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0709 EA 7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.34	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0710 EA 7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.04	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0711 EA 7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.06	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0712 EA 7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.09	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0713 EA 7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.53	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0714 EA 7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.81	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0715 EA 7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.05	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0716 EA 7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.54	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0717 EA 7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.83	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
<b>05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>		
05 05 23 00-0719 EA 1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.48	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0720 EA 1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.61	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0721 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.86	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0722 EA 1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.35	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0723 EA 1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.55	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0724	EA		1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.91	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0725	EA		1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.16	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0726	EA		1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.29	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0727	EA		1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.58	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0728	EA		1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.92	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0729	EA		1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.24	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0730	EA		1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.27	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0731	EA		1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.52	
			<i>For &gt;100 To 250, Deduct</i>	-1.73	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0732	EA		1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.61	
			<i>For &gt;100 To 250, Deduct</i>	-1.73	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0733	EA		1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.85	
			<i>For &gt;100 To 250, Deduct</i>	-1.73	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-0734	EA		1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.19	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0735	EA		1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.39	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0736	EA		1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.43	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0737	EA		1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.54	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
<b>05 05 23 00-0738</b>			<b>5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>		
05 05 23 00-0739	EA		5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.92	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0740	EA		5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.11	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0741	EA		5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.25	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0742	EA		5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.66	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0743	EA		5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.95	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0744	EA		5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.59	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.71	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0745 EA 5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.88	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0746 EA 5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.99	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0747 EA 5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.19	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0748 EA 5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.64	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0749 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.87	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0750 EA 5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.53	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0751 EA 5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.76	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0752 EA 5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.91	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0753 EA 5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.25	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0754 EA 5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.93	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0755 EA 5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.47	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0756 EA 5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.71	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0757 EA 5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.81	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
<b>05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>		
05 05 23 00-0759 EA 3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.85	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0760 EA 3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.89	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0761 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.13	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0762 EA 3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.86	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0763 EA 3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.76	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0764 EA 3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.33	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0765 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.83	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0766	EA		3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.88	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0767	EA		3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.00	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0768	EA		3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.29	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0769	EA		3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.05	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0770	EA		3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.36	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0771	EA		3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.17	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0772	EA		3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.27	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0773	EA		3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.58	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0774	EA		3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.24	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0775	EA		3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.57	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0776	EA		3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.76	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0777	EA		3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.85	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0778			<b>7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>		
05 05 23 00-0779	EA		7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.69	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0780	EA		7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.06	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0781	EA		7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.47	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0782	EA		7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.38	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0783	EA		7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.67	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0784	EA		7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.24	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0785	EA		7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.64	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0786	EA		7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.16	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0787 EA 7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.70	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0788 EA 7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.10	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0789 EA 7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.28	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0790 EA 7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.92	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0791 EA 7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.66	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0792 EA 7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.83	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0793 EA 7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.23	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0794 EA 7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.64	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0795 EA 7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.15	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0796 EA 7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.63	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
<b>05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0854)</small>		
05 05 23 00-0798 EA 1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.27	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0799 EA 1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.58	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0800 EA 1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.27	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0801 EA 1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.81	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0802 EA 1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.25	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0803 EA 1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.53	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0804 EA 1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.33	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0805 EA 1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.60	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0806 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.90	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0807 EA 1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.62	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0808	EA		1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	24.33	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0809	EA		1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	25.47	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0810	EA		1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	26.60	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0811	EA		1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	27.13	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0812	EA		1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	28.04	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0813	EA		1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	28.74	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0814	EA		1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	29.77	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0815			304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0816			1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0817	EA		1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.11	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0818	EA		1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.21	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0819	EA		1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.33	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0820	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.46	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0821	EA		1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0822	EA		1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0823	EA		1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.20	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0824	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.57	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0825	EA		1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.85	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0826	EA		1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0827	EA		1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0828	EA		1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.92	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0829	EA		1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.99	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0830 EA 1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.67	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0831 EA 1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.91	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0832 EA 1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.47	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-0833 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0815)</small>		
05 05 23 00-0834 EA 5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.29	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0835 EA 5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.38	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0836 EA 5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.56	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0837 EA 5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.71	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0838 EA 5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.16	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0839 EA 5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.25	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0840 EA 5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.73	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0841 EA 5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.26	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0842 EA 5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.79	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0843 EA 5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.05	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0844 EA 5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.05	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0845 EA 5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.37	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0846 EA 5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.39	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0847 EA 5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	20.47	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-0848 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0815)</small>		
05 05 23 00-0849 EA 3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.52	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0850 EA 3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.63	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0851	EA		3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.91	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0852	EA		3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.27	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-0853	EA		3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.65	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0854	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.94	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0855	EA		3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.32	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-0856	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.87	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0857	EA		3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.32	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0858	EA		3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.31	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-0859	EA		3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.62	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0860	EA		3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.44	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0861	EA		3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.19	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-0862	EA		3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.80	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0863	EA		3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.05	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0864	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	16.79	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-0865			7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small> .....	9.41	
05 05 23 00-0866	EA		7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.41	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0867	EA		7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.53	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0868	EA		7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.00	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0869	EA		7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.47	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0870	EA		7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.03	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0871	EA		7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0872 EA 7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.57	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0873 EA 7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.66	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0874 EA 7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.13	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0875 EA 7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.82	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0876 EA 7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.48	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0877 EA 7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.70	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0878 EA 7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.09	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
 05 05 23 00-0879 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small> .....	 9.40	
05 05 23 00-0880 EA 1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.40	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0881 EA 1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.53	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0882 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.26	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-0883 EA 1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.75	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0884 EA 1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.41	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0885 EA 1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.77	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-0886 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.40	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0887 EA 1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.72	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0888 EA 1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.45	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-0889 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.14	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0890 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.92	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0891 EA 1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	16.80	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-0892 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.30	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0893 EA 1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.83	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.59	
05 05 23 00-0894 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.67	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.59	
05 05 23 00-0895 EA 1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	23.93	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.21	
For >500, Deduct	-2.65	
05 05 23 00-0896 EA 1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	24.26	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.21	
For >500, Deduct	-2.65	
05 05 23 00-0897 EA 1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	26.57	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.21	
For >500, Deduct	-2.65	
05 05 23 00-0898 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	28.85	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.21	
For >500, Deduct	-2.65	
<b>05 05 23 00-0899 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)</b>		
05 05 23 00-0900 EA 9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.21	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-0901 EA 9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.72	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-0902 EA 9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.37	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-0903 EA 9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.10	
For >100 To 250, Deduct	-1.61	
For >250 To 500, Deduct	-2.01	
For >500, Deduct	-2.41	
05 05 23 00-0904 EA 9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.04	
For >100 To 250, Deduct	-1.61	
For >250 To 500, Deduct	-2.01	
For >500, Deduct	-2.41	
05 05 23 00-0905 EA 9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	20.68	
For >100 To 250, Deduct	-1.61	
For >250 To 500, Deduct	-2.01	
For >500, Deduct	-2.41	
05 05 23 00-0906 EA 9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	23.28	
For >100 To 250, Deduct	-1.65	
For >250 To 500, Deduct	-2.06	
For >500, Deduct	-2.47	
05 05 23 00-0907 EA 9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	23.65	
For >100 To 250, Deduct	-1.65	
For >250 To 500, Deduct	-2.06	
For >500, Deduct	-2.47	
05 05 23 00-0908 EA 9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	27.11	
For >100 To 250, Deduct	-1.65	
For >250 To 500, Deduct	-2.06	
For >500, Deduct	-2.47	
05 05 23 00-0909 EA 9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	28.95	
For >100 To 250, Deduct	-1.69	
For >250 To 500, Deduct	-2.11	
For >500, Deduct	-2.53	
05 05 23 00-0910 EA 9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	30.80	
For >100 To 250, Deduct	-1.69	
For >250 To 500, Deduct	-2.11	
For >500, Deduct	-2.53	
<b>05 05 23 00-0911 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)</b>		
05 05 23 00-0912 EA 5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.67	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.21	
For >500, Deduct	-2.65	
05 05 23 00-0913 EA 5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.01	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.21	
For >500, Deduct	-2.65	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0914 EA 5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.45	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0915 EA 5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.89	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0916 EA 5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.58	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0917 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.56	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0918 EA 5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	16.98	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0919 EA 5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	16.99	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0920 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.09	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0921 EA 5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.91	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0922 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.90	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0923 EA 5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	23.53	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0924 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	25.70	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0925 EA 5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	27.35	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0926 EA 5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	28.09	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0927 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	31.32	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0928 EA 5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	32.28	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0929 EA 5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	36.60	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0930 EA 5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	38.37	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
<b>05 05 23 00-0931 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0815)</small>		
05 05 23 00-0932 EA 3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.24	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0933 EA 3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.91	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-0934 EA 3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.80	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0935	EA		3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0936	EA		3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	16.95	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0937	EA		3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.60	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-0938	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.77	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0939	EA		3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	21.31	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0940	EA		3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	22.54	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0941	EA		3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	24.01	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0942	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	25.44	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0943	EA		3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	28.12	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0944	EA		3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	35.44	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0945	EA		3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	37.72	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0946	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	42.59	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0947	EA		3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	43.01	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0948	EA		3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	43.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0949	EA		3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	45.86	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0950	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	47.46	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0951			<b>7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0815)</small>		
05 05 23 00-0952	EA		7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.45	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0953	EA		7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	20.14	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0954	EA		7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	21.62	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0955	EA		7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	23.33	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0956 EA 7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	23.88	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0957 EA 7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	25.48	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0958 EA 7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	26.03	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0959 EA 7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	29.75	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0960 EA 7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	30.49	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0961 EA 7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	31.92	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0962 EA 7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	39.79	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0963 EA 7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	43.01	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0964 EA 7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	46.54	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0965 EA 7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	49.39	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0966 EA 7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	58.22	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0967 EA 7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	65.14	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0968 EA 7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	68.34	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-0969 EA 7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	71.53	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
<b>05 05 23 00-0970 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0815)</small>		
05 05 23 00-0971 EA 1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	22.53	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0972 EA 1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	23.76	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0973 EA 1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	25.79	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0974 EA 1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	27.34	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0975 EA 1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	29.88	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-0976 EA 1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	32.93	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0977 EA 1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	34.71	
For >100 To 250, Deduct	-2.04	
For >250 To 500, Deduct	-2.55	
For >500, Deduct	-3.06	
05 05 23 00-0978 EA 1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	37.33	
For >100 To 250, Deduct	-2.04	
For >250 To 500, Deduct	-2.55	
For >500, Deduct	-3.06	
05 05 23 00-0979 EA 1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	39.98	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.12	
05 05 23 00-0980 EA 1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	40.12	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.12	
05 05 23 00-0981 EA 1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	47.15	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-2.60	
For >500, Deduct	-3.12	
05 05 23 00-0982 EA 1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	56.24	
For >100 To 250, Deduct	-2.12	
For >250 To 500, Deduct	-2.65	
For >500, Deduct	-3.18	
05 05 23 00-0983 EA 1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	57.57	
For >100 To 250, Deduct	-2.12	
For >250 To 500, Deduct	-2.65	
For >500, Deduct	-3.18	
05 05 23 00-0984 EA 1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	58.89	
For >100 To 250, Deduct	-2.12	
For >250 To 500, Deduct	-2.65	
For >500, Deduct	-3.18	
05 05 23 00-0985 EA 1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	61.73	
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-2.70	
For >500, Deduct	-3.23	
05 05 23 00-0986 EA 1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	65.79	
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-2.70	
For >500, Deduct	-3.23	
05 05 23 00-0987 EA 1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	84.22	
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-2.70	
For >500, Deduct	-3.23	
05 05 23 00-0988 EA 1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	105.70	
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-2.70	
For >500, Deduct	-3.23	
<b>05 05 23 00-0989 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0977)</b>		
<b>05 05 23 00-0990 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)</b>		
05 05 23 00-0991 EA 1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	7.30	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.06	
05 05 23 00-0992 EA 1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	7.49	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.06	
05 05 23 00-0993 EA 1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	7.63	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.06	
05 05 23 00-0994 EA 2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	7.73	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.06	
05 05 23 00-0995 EA 2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	8.20	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0996 EA 3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	8.45	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0997 EA 3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	8.70	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0998 EA 4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	9.10	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.82	
For >500, Deduct	-2.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0999 EA 4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	9.31	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-1000 EA 5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	9.40	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-1001 EA 5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	10.24	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-1002 EA 6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	10.41	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-1003 EA 6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	16.87	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-1004 EA 7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	24.89	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-1005 EA 7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	42.12	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-1006 EA 8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	46.05	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0999)</b>		
05 05 23 00-1008 EA 5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	7.56	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-1009 EA 5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....	7.78	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-1010 EA 5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	8.15	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-1011 EA 5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	8.43	
<i>For &gt;100 To 250, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-1.72	
<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-1012 EA 5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	8.74	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-1013 EA 5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	9.31	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-1014 EA 5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	9.71	
<i>For &gt;100 To 250, Deduct</i>	-1.41	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-1015 EA 5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	10.08	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-1016 EA 5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	10.93	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-1017 EA 5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	11.10	
<i>For &gt;100 To 250, Deduct</i>	-1.45	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-1018 EA 5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	11.88	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-1019 EA 5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	12.54	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.24	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1020	EA		5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	18.04	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-1021	EA		5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	26.04	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-1022</b>			<b>3/8" Diameter, 316 Stainless Steel, Hex Head Bolts</b> (05 05 23 00-0989)		
05 05 23 00-1023	EA		3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	8.15	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-1024	EA		3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	8.23	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-1025	EA		3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	8.58	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-1026	EA		3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	9.40	
			<i>For &gt;100 To 250, Deduct</i>	-1.37	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;500, Deduct</i>	-2.06	
05 05 23 00-1027	EA		3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	9.88	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-1028	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	10.02	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-1029	EA		3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	10.74	
			<i>For &gt;100 To 250, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-1.77	
			<i>For &gt;500, Deduct</i>	-2.12	
05 05 23 00-1030	EA		3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	11.04	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-1031	EA		3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	11.49	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-1032	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	11.80	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.18	
05 05 23 00-1033	EA		3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	12.98	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-1034	EA		3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	14.19	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-1035	EA		3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	14.24	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.24	
05 05 23 00-1036	EA		3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	17.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-1037	EA		3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	22.47	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
05 05 23 00-1038	EA		3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	27.84	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.30	
<b>05 05 23 00-1039</b>			<b>7/16" Diameter, 316 Stainless Steel, Hex Head Bolts</b> (05 05 23 00-0989)		
05 05 23 00-1040	EA		7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	10.49	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1041 EA 7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	11.00	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-1042 EA 7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	11.97	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-1043 EA 7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	13.00	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-1044 EA 7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	13.93	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-1045 EA 7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	15.45	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-1046 EA 7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	17.10	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-1047 EA 7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	17.36	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-1048 EA 7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	17.92	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-1049 EA 7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	18.50	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-1050 EA 7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	18.89	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-1051 EA 7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	19.29	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-1052 EA 7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	19.80	
<i>For &gt;100 To 250, Deduct</i>	-1.73	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-2.59	
<b>05 05 23 00-1053 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)</b>		
05 05 23 00-1054 EA 1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....	10.46	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-1055 EA 1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	11.02	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-1056 EA 1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	11.80	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-1057 EA 1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	12.92	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-1058 EA 1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	13.78	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-1059 EA 1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	13.99	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-1060 EA 1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	14.54	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-1061 EA 1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	16.20	
<i>For &gt;100 To 250, Deduct</i>	-1.65	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-2.47	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1062	EA		1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	19.56	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-1063	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	20.02	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-1064	EA		1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	20.55	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-1065	EA		1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	24.70	
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.11	
			<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-1066	EA		1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	27.67	
			<i>For &gt;100 To 250, Deduct</i>	-1.73	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-1067	EA		1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	29.47	
			<i>For &gt;100 To 250, Deduct</i>	-1.73	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-1068	EA		1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	32.45	
			<i>For &gt;100 To 250, Deduct</i>	-1.73	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500, Deduct</i>	-2.59	
05 05 23 00-1069	EA		1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	40.51	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-1070	EA		1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	45.59	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-1071	EA		1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	46.43	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-1072	EA		1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	47.72	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
<b>05 05 23 00-1073</b>			<b>9/16" Diameter, 316 Stainless Steel, Hex Head Bolts</b> (05 05 23 00-0989)		
05 05 23 00-1074	EA		9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	24.38	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-1075	EA		9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	26.21	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-1076	EA		9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	32.32	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.35	
05 05 23 00-1077	EA		9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	35.95	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-1078	EA		9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	39.56	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-1079	EA		9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	43.17	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.01	
			<i>For &gt;500, Deduct</i>	-2.41	
05 05 23 00-1080	EA		9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	45.61	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-1081	EA		9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	48.59	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	
05 05 23 00-1082	EA		9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	51.24	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.47	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1083 EA 9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	52.24	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
05 05 23 00-1084 EA 9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	54.57	
<i>For &gt;100 To 250, Deduct</i>	-1.69	
<i>For &gt;250 To 500, Deduct</i>	-2.11	
<i>For &gt;500, Deduct</i>	-2.53	
<b>05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0989)</small>		
05 05 23 00-1086 EA 5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....	14.27	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-1087 EA 5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	14.43	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-1088 EA 5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	14.48	
<i>For &gt;100 To 250, Deduct</i>	-1.76	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-1089 EA 5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	15.73	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-1090 EA 5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	16.80	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-1091 EA 5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	20.20	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-1092 EA 5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	21.11	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-1093 EA 5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	24.08	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-1094 EA 5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	25.12	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-1095 EA 5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	27.27	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-1096 EA 5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	28.12	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-1097 EA 5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	33.34	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-1098 EA 5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	35.40	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-1099 EA 5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	36.07	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-1100 EA 5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....	38.50	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-1101 EA 5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	40.90	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1102 EA 5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt .....	42.96	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1103 EA 5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	52.81	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1104	EA		5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	63.33	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
<b>05 05 23 00-1105</b>			<b>3/4" Diameter, 316 Stainless Steel, Hex Head Bolts</b> (05 05 23 00-0989)		
05 05 23 00-1106	EA		3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	18.41	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-1107	EA		3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	18.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-1108	EA		3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	20.20	
			<i>For &gt;100 To 250, Deduct</i>	-1.76	
			<i>For &gt;250 To 500, Deduct</i>	-2.21	
			<i>For &gt;500, Deduct</i>	-2.65	
05 05 23 00-1109	EA		3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	21.64	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-1110	EA		3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	24.29	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-1111	EA		3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	25.83	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.26	
			<i>For &gt;500, Deduct</i>	-2.71	
05 05 23 00-1112	EA		3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	29.28	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-1113	EA		3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	30.63	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-1114	EA		3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	31.38	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-1115	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	32.57	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-1116	EA		3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	34.26	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-1117	EA		3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	39.48	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-1118	EA		3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	47.21	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-1119	EA		3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	53.08	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-1120	EA		3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	53.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-1121	EA		3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	57.70	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1122	EA		3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	66.61	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1123	EA		3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	67.36	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1124	EA		3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	69.24	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	

05 05 23 00-1125 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1126 EA 7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	20.74	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1127 EA 7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	23.19	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1128 EA 7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	24.73	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-1129 EA 7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	28.16	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-1130 EA 7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	29.69	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.50	
<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-1131 EA 7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	31.24	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-1132 EA 7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	33.32	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-1133 EA 7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	37.99	
<i>For &gt;100 To 250, Deduct</i>	-2.04	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-1134 EA 7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	38.30	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-1135 EA 7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	39.85	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-1136 EA 7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	52.92	
<i>For &gt;100 To 250, Deduct</i>	-2.08	
<i>For &gt;250 To 500, Deduct</i>	-2.60	
<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-1137 EA 7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	58.89	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-1138 EA 7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	65.10	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-1139 EA 7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....	68.15	
<i>For &gt;100 To 250, Deduct</i>	-2.12	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-1140 EA 7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	72.31	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-1141 EA 7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt .....	74.97	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-1142 EA 7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	77.61	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-1143 EA 7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt .....	80.57	
<i>For &gt;100 To 250, Deduct</i>	-2.16	
<i>For &gt;250 To 500, Deduct</i>	-2.70	
<i>For &gt;500, Deduct</i>	-3.23	
<b>05 05 23 00-1144 1" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989) .....</b>	<b>26.13</b>	
<i>EA 1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....</i>	<i>26.13</i>	
<i>For &gt;100 To 250, Deduct</i>	<i>-1.96</i>	
<i>For &gt;250 To 500, Deduct</i>	<i>-2.45</i>	
<i>For &gt;500, Deduct</i>	<i>-2.94</i>	
<i>EA 1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....</i>	<i>30.10</i>	
<i>For &gt;100 To 250, Deduct</i>	<i>-2.00</i>	
<i>For &gt;250 To 500, Deduct</i>	<i>-2.50</i>	
<i>For &gt;500, Deduct</i>	<i>-3.00</i>	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1147	EA		1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	32.63	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-1148	EA		1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	36.66	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-3.00	
05 05 23 00-1149	EA		1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	38.31	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-1150	EA		1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	41.05	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-1151	EA		1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	43.81	
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-1152	EA		1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	46.78	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-1153	EA		1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	53.93	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-1154	EA		1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	60.97	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-2.60	
			<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-1155	EA		1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	70.80	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-1156	EA		1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	78.90	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-1157	EA		1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	80.06	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-1158	EA		1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	82.90	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-1159	EA		1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	84.01	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-1160	EA		1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	97.46	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-1161	EA		1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	110.44	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.23	
05 05 23 00-1162			<b>Screws</b> <small>(05 05 23)</small>		
05 05 23 00-1163			<b>Teks® 5 Self Drilling Screws</b> <small>(05 05 23 00-1162)</small>		
			Note: Includes Climaseal® finish, self-drill point and tapping threads.		
05 05 23 00-1164	EA		12-24 x 1-1/4", Hex Washer Head, TekS® 5 Self Drilling Screw .....	3.75	
			<i>For &gt;10 To 50, Deduct</i>	-0.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.34	
			<i>For &gt;100, Deduct</i>	-0.68	
05 05 23 00-1165	EA		12-24 x 1-1/2", Hex Washer Head, TekS® 5 Self Drilling Screw .....	3.93	
			<i>For &gt;10 To 50, Deduct</i>	-0.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.34	
			<i>For &gt;100, Deduct</i>	-0.69	
05 05 23 00-1166	EA		12-24 x 2", Hex Washer Head, TekS® 5 Self Drilling Screw .....	4.39	
			<i>For &gt;10 To 50, Deduct</i>	-0.17	
			<i>For &gt;50 To 100, Deduct</i>	-0.37	
			<i>For &gt;100, Deduct</i>	-0.74	
05 05 23 00-1167	EA		1/4"-28 x 3", Hex Washer Head, TekS® 5 Self Drilling Screw .....	6.08	
			<i>For &gt;10 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.48	
			<i>For &gt;100, Deduct</i>	-0.96	
05 05 23 00-1168	EA		1/4"-28 x 4", Hex Washer Head, TekS® 5 Self Drilling Screw .....	6.49	
			<i>For &gt;10 To 50, Deduct</i>	-0.23	
			<i>For &gt;50 To 100, Deduct</i>	-0.51	
			<i>For &gt;100, Deduct</i>	-1.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1169 EA 1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw.....	8.10	
<i>For &gt;10 To 50, Deduct</i>	-0.24	
<i>For &gt;50 To 100, Deduct</i>	-0.56	
<i>For &gt;100, Deduct</i>	-1.12	
05 05 23 00-1170 EA 1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw.....	9.09	
<i>For &gt;10 To 50, Deduct</i>	-0.25	
<i>For &gt;50 To 100, Deduct</i>	-0.60	
<i>For &gt;100, Deduct</i>	-1.21	
<b>05 05 23 00-1171 Security Screws</b> <small>(05 05 23 00-1162)</small>		
<b>05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws</b> <small>(05 05 23 00-1171)</small>		
Note: Includes "security" style drive in machine or sheet metal screw threads.		
05 05 23 00-1173 EA #4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws.....	2.89	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.28	
<i>For &gt;100, Deduct</i>	-0.56	
05 05 23 00-1174 EA #6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.27	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.29	
<i>For &gt;100, Deduct</i>	-0.58	
05 05 23 00-1175 EA #6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	3.60	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.30	
<i>For &gt;100, Deduct</i>	-0.59	
05 05 23 00-1176 EA #6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.71	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.30	
<i>For &gt;100, Deduct</i>	-0.60	
05 05 23 00-1177 EA #6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.92	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.30	
<i>For &gt;100, Deduct</i>	-0.61	
05 05 23 00-1178 EA #8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.36	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.29	
<i>For &gt;100, Deduct</i>	-0.58	
05 05 23 00-1179 EA #8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	3.51	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.29	
<i>For &gt;100, Deduct</i>	-0.59	
05 05 23 00-1180 EA #8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.84	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.30	
<i>For &gt;100, Deduct</i>	-0.60	
05 05 23 00-1181 EA #8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.94	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.30	
<i>For &gt;100, Deduct</i>	-0.61	
05 05 23 00-1182 EA #10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.46	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.29	
<i>For &gt;100, Deduct</i>	-0.59	
05 05 23 00-1183 EA #10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	3.50	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.29	
<i>For &gt;100, Deduct</i>	-0.59	
05 05 23 00-1184 EA #10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.64	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.30	
<i>For &gt;100, Deduct</i>	-0.59	
05 05 23 00-1185 EA #10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	4.08	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.31	
<i>For &gt;100, Deduct</i>	-0.62	
05 05 23 00-1186 EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.71	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.30	
<i>For &gt;100, Deduct</i>	-0.60	
05 05 23 00-1187 EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	3.81	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.30	
<i>For &gt;100, Deduct</i>	-0.60	
05 05 23 00-1188 EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	4.23	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.31	
<i>For &gt;100, Deduct</i>	-0.62	
05 05 23 00-1189 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	4.90	
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.33	
<i>For &gt;100, Deduct</i>	-0.66	

**05 05 23 00-1190**

**Threaded Rod** (05 05 23)

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
washers.					
05 05 23 00-1191		Plain Finish Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1190)</small>			
05 05 23 00-1192	LF	1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.01		0.50
		<i>For Left Hand Threaded Rod, Add</i>	0.10		
05 05 23 00-1193	LF	5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.62		0.55
		<i>For Left Hand Threaded Rod, Add</i>	0.15		
05 05 23 00-1194	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.04		0.65
		<i>For Left Hand Threaded Rod, Add</i>	0.18		
05 05 23 00-1195	LF	7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.06		0.66
		<i>For Left Hand Threaded Rod, Add</i>	0.28		
05 05 23 00-1196	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.17		0.69
		<i>For Left Hand Threaded Rod, Add</i>	0.28		
05 05 23 00-1197	LF	9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.13		0.69
		<i>For Left Hand Threaded Rod, Add</i>	0.38		
05 05 23 00-1198	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.76		0.71
		<i>For Left Hand Threaded Rod, Add</i>	0.44		
05 05 23 00-1199	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.37		0.73
		<i>For Left Hand Threaded Rod, Add</i>	0.79		
05 05 23 00-1200	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.20		0.75
		<i>For Left Hand Threaded Rod, Add</i>	0.87		
05 05 23 00-1201	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	13.92		0.85
		<i>For Left Hand Threaded Rod, Add</i>	1.22		
05 05 23 00-1202	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.32		0.94
		<i>For Left Hand Threaded Rod, Add</i>	1.54		
05 05 23 00-1203	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	22.92		1.02
		<i>For Left Hand Threaded Rod, Add</i>	2.08		
05 05 23 00-1204	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	28.48		1.11
		<i>For Left Hand Threaded Rod, Add</i>	2.63		
05 05 23 00-1205	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	34.03		1.16
		<i>For Left Hand Threaded Rod, Add</i>	3.17		
05 05 23 00-1206	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	41.69		1.21
		<i>For Left Hand Threaded Rod, Add</i>	3.93		
05 05 23 00-1207	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	53.20		1.27
		<i>For Left Hand Threaded Rod, Add</i>	5.07		
05 05 23 00-1208		Zinc Plated Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1190)</small>			
05 05 23 00-1209	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.03		0.50
		<i>For Left Hand Threaded Rod, Add</i>	0.10		
05 05 23 00-1210	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.95		0.55
		<i>For Left Hand Threaded Rod, Add</i>	0.18		
05 05 23 00-1211	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.29		0.65
		<i>For Left Hand Threaded Rod, Add</i>	0.20		
05 05 23 00-1212	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	4.68		0.66
		<i>For Left Hand Threaded Rod, Add</i>	0.34		
05 05 23 00-1213	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.04		0.69
		<i>For Left Hand Threaded Rod, Add</i>	0.37		
05 05 23 00-1214	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	6.56		0.69
		<i>For Left Hand Threaded Rod, Add</i>	0.52		
05 05 23 00-1215	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	6.96		0.71
		<i>For Left Hand Threaded Rod, Add</i>	0.56		
05 05 23 00-1216	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	10.39		0.73
		<i>For Left Hand Threaded Rod, Add</i>	0.90		
05 05 23 00-1217	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	13.42		0.75
		<i>For Left Hand Threaded Rod, Add</i>	1.19		
05 05 23 00-1218	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	17.98		0.85
		<i>For Left Hand Threaded Rod, Add</i>	1.63		
05 05 23 00-1219	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	23.18		0.94
		<i>For Left Hand Threaded Rod, Add</i>	2.13		
05 05 23 00-1220	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	27.64		1.02
		<i>For Left Hand Threaded Rod, Add</i>	2.55		
05 05 23 00-1221	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	31.40		1.11
		<i>For Left Hand Threaded Rod, Add</i>	2.92		
05 05 23 00-1222	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	39.49		1.16
		<i>For Left Hand Threaded Rod, Add</i>	3.72		
05 05 23 00-1223	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	48.89		1.21
		<i>For Left Hand Threaded Rod, Add</i>	4.65		
05 05 23 00-1224	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	71.24		1.27
		<i>For Left Hand Threaded Rod, Add</i>	6.87		
05 05 23 00-1225		Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1190)</small>			
05 05 23 00-1226	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	5.33		0.65
		<i>For Left Hand Threaded Rod, Add</i>	0.41		
05 05 23 00-1227	LF	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	7.42		0.69
		<i>For Left Hand Threaded Rod, Add</i>	0.61		
05 05 23 00-1228	LF	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	9.97		0.71
		<i>For Left Hand Threaded Rod, Add</i>	0.86		
05 05 23 00-1229	LF	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	13.64		0.73
		<i>For Left Hand Threaded Rod, Add</i>	1.22		
05 05 23 00-1230	LF	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	18.84		0.75
		<i>For Left Hand Threaded Rod, Add</i>	1.74		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1231 LF 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	24.28 2.26	0.85
05 05 23 00-1232 LF 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	31.92 3.00	0.94
05 05 23 00-1233 LF 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	41.93 3.98	1.02
05 05 23 00-1234 LF 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	46.84 4.46	1.11
05 05 23 00-1235 LF 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	55.73 5.34	1.16
05 05 23 00-1236 LF 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	67.67 6.53	1.21
05 05 23 00-1237 LF 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	117.94 11.54	1.27
<b>05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod</b> <small>(05 05 23 00-1190)</small>		
05 05 23 00-1239 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	3.02 0.20	0.50
05 05 23 00-1240 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	4.54 0.34	0.55
05 05 23 00-1241 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	5.83 0.46	0.65
05 05 23 00-1242 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	8.09 0.68	0.66
05 05 23 00-1243 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	9.71 0.84	0.69
05 05 23 00-1244 LF 9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	13.95 1.26	0.69
05 05 23 00-1245 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	14.57 1.32	0.71
05 05 23 00-1246 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	20.39 1.90	0.73
05 05 23 00-1247 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	28.04 2.66	0.75
05 05 23 00-1248 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	35.97 3.43	0.85
05 05 23 00-1249 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	76.14 7.40	1.02
05 05 23 00-1250 LF 1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	115.92 11.36	1.16
05 05 23 00-1251 LF 1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	119.24 11.68	1.21
05 05 23 00-1252 LF 2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	164.98 16.24	1.27
<b>05 05 23 00-1253 316 Stainless Steel Threaded Rod</b> <small>(05 05 23 00-1190)</small>		
05 05 23 00-1254 LF 1/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	4.36 0.33	0.50
05 05 23 00-1255 LF 5/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	7.02 0.59	0.55
05 05 23 00-1256 LF 3/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	9.32 0.81	0.65
05 05 23 00-1257 LF 7/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	14.54 1.32	0.66
05 05 23 00-1258 LF 1/2" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	15.42 1.41	0.69
05 05 23 00-1259 LF 9/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	20.24 1.89	0.69
05 05 23 00-1260 LF 5/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	21.77 2.04	0.71
05 05 23 00-1261 LF 3/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	31.74 3.03	0.73
05 05 23 00-1262 LF 7/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	43.45 4.20	0.75
05 05 23 00-1263 LF 1" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	54.98 5.33	0.85
05 05 23 00-1264 LF 1-1/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	116.06 11.39	1.02
05 05 23 00-1265 LF 1-1/2" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	152.13 14.98	1.16
<b>05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod</b> <small>(05 05 23 00-1190)</small>		
05 05 23 00-1267 LF 1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	3.42 1.20	0.50
05 05 23 00-1268 LF 5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	5.23 2.06	0.55
05 05 23 00-1269 LF 3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	5.47 2.10	0.65
05 05 23 00-1270 LF 7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	5.97 2.33	0.66

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1271 LF 1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	6.57	0.69
For Zinc Plating, Add	2.61	
05 05 23 00-1272 LF 9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	8.19	0.69
For Zinc Plating, Add	3.41	
05 05 23 00-1273 LF 5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	8.45	0.71
For Zinc Plating, Add	3.53	
05 05 23 00-1274 LF 3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	11.18	0.73
For Zinc Plating, Add	4.87	
05 05 23 00-1275 LF 7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	13.38	0.75
For Zinc Plating, Add	5.95	
05 05 23 00-1276 LF 1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	17.35	0.85
For Zinc Plating, Add	7.83	
05 05 23 00-1277 LF 1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	22.56	0.94
For Zinc Plating, Add	10.34	
05 05 23 00-1278 LF 1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	25.10	1.02
For Zinc Plating, Add	11.49	
05 05 23 00-1279 LF 1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	28.95	1.11
For Zinc Plating, Add	13.37	
05 05 23 00-1280 LF 1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	35.18	1.16
For Zinc Plating, Add	16.44	
05 05 23 00-1281 LF 1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	36.37	1.21
For Zinc Plating, Add	16.98	
05 05 23 00-1282 LF 2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	48.77	1.27
For Zinc Plating, Add	23.12	

**05 05 23 00-1283 Nuts And Washers (05 05 23)****05 05 23 00-1284 Hex Nuts (05 05 23 00-1283)****05 05 23 00-1285 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)**

05 05 23 00-1286 EA 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.59	0.27
05 05 23 00-1287 EA 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.66	0.27
05 05 23 00-1288 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.70	0.27
05 05 23 00-1289 EA 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.80	0.27
05 05 23 00-1290 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.88	0.27
05 05 23 00-1291 EA 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	1.12	0.27
05 05 23 00-1292 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	1.16	0.27
05 05 23 00-1293 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	1.35	0.54
05 05 23 00-1294 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	1.94	0.54
05 05 23 00-1295 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	2.44	0.54
05 05 23 00-1296 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	3.90	0.54
05 05 23 00-1297 EA 1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	4.76	0.54
05 05 23 00-1298 EA 1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	6.93	0.54
05 05 23 00-1299 EA 1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	7.99	0.82
05 05 23 00-1300 EA 1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	11.65	0.82
05 05 23 00-1301 EA 2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	16.74	0.82

**05 05 23 00-1302 Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1284)**

05 05 23 00-1303 EA 1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.61	0.27
05 05 23 00-1304 EA 5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.67	0.27
05 05 23 00-1305 EA 3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.72	0.27
05 05 23 00-1306 EA 7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.83	0.27
05 05 23 00-1307 EA 1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.97	0.27
05 05 23 00-1308 EA 9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	1.14	0.27
05 05 23 00-1309 EA 5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	1.18	0.27
05 05 23 00-1310 EA 3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	1.51	0.54
05 05 23 00-1311 EA 7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	2.10	0.54
05 05 23 00-1312 EA 1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	2.92	0.54
05 05 23 00-1313 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	4.39	0.54
05 05 23 00-1314 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	6.16	0.54
05 05 23 00-1315 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	8.96	0.54
05 05 23 00-1316 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	9.88	0.82
05 05 23 00-1317 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	17.67	0.82
05 05 23 00-1318 EA 2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	25.25	0.82

**05 05 23 00-1319 Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1284)**

05 05 23 00-1320 EA 1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	0.62	0.27
05 05 23 00-1321 EA 5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	0.71	0.27
05 05 23 00-1322 EA 3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	0.76	0.27
05 05 23 00-1323 EA 7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	0.93	0.27
05 05 23 00-1324 EA 1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	1.11	0.27
05 05 23 00-1325 EA 9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	1.30	0.27
05 05 23 00-1326 EA 5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	1.47	0.27
05 05 23 00-1327 EA 3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	1.81	0.54
05 05 23 00-1328 EA 7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	2.67	0.54
05 05 23 00-1329 EA 1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	3.52	0.54
05 05 23 00-1330 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	5.43	0.54
05 05 23 00-1331 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	6.76	0.54
05 05 23 00-1332 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	11.02	0.54





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1333 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	11.69	0.82
05 05 23 00-1334 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	17.72	0.82
05 05 23 00-1335 EA 2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	24.97	0.82
<b>05 05 23 00-1336 Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts</b> <small>(05 05 23 00-1284)</small>		
05 05 23 00-1337 EA 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.62	0.27
05 05 23 00-1338 EA 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.69	0.27
05 05 23 00-1339 EA 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.74	0.27
05 05 23 00-1340 EA 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.91	0.27
05 05 23 00-1341 EA 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.05	0.27
05 05 23 00-1342 EA 9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.15	0.27
05 05 23 00-1343 EA 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.27	0.27
05 05 23 00-1344 EA 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.66	0.54
05 05 23 00-1345 EA 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	2.37	0.54
05 05 23 00-1346 EA 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	3.23	0.54
05 05 23 00-1347 EA 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	5.26	0.54
05 05 23 00-1348 EA 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	6.72	0.54
05 05 23 00-1349 EA 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	9.89	0.54
05 05 23 00-1350 EA 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	11.51	0.82
05 05 23 00-1351 EA 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	19.93	0.82
05 05 23 00-1352 EA 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	34.32	0.82
<b>05 05 23 00-1353 304 Stainless Steel Hex Nuts</b> <small>(05 05 23 00-1284)</small>		
05 05 23 00-1354 EA 1/4" Diameter, 304 Stainless Steel Hex Nut.....	0.70	0.27
05 05 23 00-1355 EA 5/16" Diameter, 304 Stainless Steel Hex Nut.....	0.83	0.27
05 05 23 00-1356 EA 3/8" Diameter, 304 Stainless Steel Hex Nut.....	0.92	0.27
05 05 23 00-1357 EA 7/16" Diameter, 304 Stainless Steel Hex Nut.....	1.37	0.27
05 05 23 00-1358 EA 1/2" Diameter, 304 Stainless Steel Hex Nut.....	1.49	0.27
05 05 23 00-1359 EA 9/16" Diameter, 304 Stainless Steel Hex Nut.....	2.24	0.27
05 05 23 00-1360 EA 5/8" Diameter, 304 Stainless Steel Hex Nut.....	2.50	0.27
05 05 23 00-1361 EA 3/4" Diameter, 304 Stainless Steel Hex Nut.....	2.87	0.54
05 05 23 00-1362 EA 7/8" Diameter, 304 Stainless Steel Hex Nut.....	4.69	0.54
05 05 23 00-1363 EA 1" Diameter, 304 Stainless Steel Hex Nut.....	7.17	0.54
05 05 23 00-1364 EA 1-1/4" Diameter, 304 Stainless Steel Hex Nut.....	17.18	0.54
05 05 23 00-1365 EA 1-1/2" Diameter, 304 Stainless Steel Hex Nut.....	32.96	0.82
05 05 23 00-1366 EA 1-3/4" Diameter, 304 Stainless Steel Hex Nut.....	57.92	0.82
05 05 23 00-1367 EA 2" Diameter, 304 Stainless Steel Hex Nut.....	82.53	0.82
<b>05 05 23 00-1368 316 Stainless Steel Hex Nuts</b> <small>(05 05 23 00-1284)</small>		
05 05 23 00-1369 EA 1/4" Diameter, 316 Stainless Steel Hex Nut.....	0.81	0.27
05 05 23 00-1370 EA 5/16" Diameter, 316 Stainless Steel Hex Nut.....	0.93	0.27
05 05 23 00-1371 EA 3/8" Diameter, 316 Stainless Steel Hex Nut.....	1.10	0.27
05 05 23 00-1372 EA 7/16" Diameter, 316 Stainless Steel Hex Nut.....	1.79	0.27
05 05 23 00-1373 EA 1/2" Diameter, 316 Stainless Steel Hex Nut.....	1.93	0.27
05 05 23 00-1374 EA 9/16" Diameter, 316 Stainless Steel Hex Nut.....	2.61	0.27
05 05 23 00-1375 EA 5/8" Diameter, 316 Stainless Steel Hex Nut.....	2.95	0.27
05 05 23 00-1376 EA 3/4" Diameter, 316 Stainless Steel Hex Nut.....	4.10	0.54
05 05 23 00-1377 EA 7/8" Diameter, 316 Stainless Steel Hex Nut.....	5.69	0.54
05 05 23 00-1378 EA 1" Diameter, 316 Stainless Steel Hex Nut.....	8.77	0.54
05 05 23 00-1379 EA 1-1/4" Diameter, 316 Stainless Steel Hex Nut.....	26.61	0.54
05 05 23 00-1380 EA 1-1/2" Diameter, 316 Stainless Steel Hex Nut.....	43.02	0.82
05 05 23 00-1381 EA 1-3/4" Diameter, 316 Stainless Steel Hex Nut.....	72.57	0.82
05 05 23 00-1382 EA 2" Diameter, 316 Stainless Steel Hex Nut.....	134.87	0.82
<b>05 05 23 00-1383 Flat Washers</b> <small>(05 05 23 00-1283)</small>		
<b>05 05 23 00-1384 Zinc Plated Steel, Low Carbon Flat Washers</b> <small>(05 05 23 00-1383)</small>		
05 05 23 00-1385 EA 1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.04	
05 05 23 00-1386 EA 5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.06	
05 05 23 00-1387 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.11	
05 05 23 00-1388 EA 7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.16	
05 05 23 00-1389 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.23	
05 05 23 00-1390 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.26	
05 05 23 00-1391 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.44	
05 05 23 00-1392 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.64	
05 05 23 00-1393 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.76	
05 05 23 00-1394 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.94	
05 05 23 00-1395 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.06	
05 05 23 00-1396 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.26	
05 05 23 00-1397 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.98	
05 05 23 00-1398 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.03	
05 05 23 00-1399 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	3.01	
05 05 23 00-1400 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	3.74	
<b>05 05 23 00-1401 Zinc Plated Steel, Hardened Flat Washers</b> <small>(05 05 23 00-1383)</small>		

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.14	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.19	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.22	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.29	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.40	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.64	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.92	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.29	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	2.16	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	2.39	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.48	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.80	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.01	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.73	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	7.70	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	9.24	
<b>05 05 23 00-1418 Hot Dipped Galvanized Steel Flat Washers (05 05 23 00-1383)</b>				
05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.09	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.13	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.14	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.27	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.34	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.56	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.63	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.96	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.34	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.48	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.26	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.51	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.59	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.89	
05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	5.65	
<b>05 05 23 00-1434 304/18-8 Stainless Steel Flat Washers (05 05 23 00-1383)</b>				
05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.12	
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.17	
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.24	
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.44	
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.79	
05 05 23 00-1440	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.99	
05 05 23 00-1441	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.46	
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.48	
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	3.12	
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	3.96	
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	4.61	
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	4.96	
05 05 23 00-1447	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	5.24	
05 05 23 00-1448	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	6.39	
05 05 23 00-1449	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	7.94	
05 05 23 00-1450	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	15.60	
<b>05 05 23 00-1451 316 Stainless Steel Flat Washers (05 05 23 00-1383)</b>				
05 05 23 00-1452	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.24	
05 05 23 00-1453	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.26	
05 05 23 00-1454	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.47	
05 05 23 00-1455	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.56	
05 05 23 00-1456	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.03	
05 05 23 00-1457	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.85	
05 05 23 00-1458	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	2.18	
05 05 23 00-1459	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	2.75	
05 05 23 00-1460	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.26	
05 05 23 00-1461	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.76	
05 05 23 00-1462	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	5.43	
05 05 23 00-1463	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	6.68	
05 05 23 00-1464	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	7.07	
05 05 23 00-1465	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	7.23	
05 05 23 00-1466	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	10.59	
<b>05 05 23 00-1467 Lock Washers (05 05 23 00-1283)</b>				
<b>05 05 23 00-1468 Zinc Plated Steel, Low Carbon Lock Washers (05 05 23 00-1467)</b>				
05 05 23 00-1469	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.02	
05 05 23 00-1470	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.03	
05 05 23 00-1471	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.04	
05 05 23 00-1472	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.06	
05 05 23 00-1473	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1474 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.15	
05 05 23 00-1475 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.17	
05 05 23 00-1476 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.26	
05 05 23 00-1477 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.42	
05 05 23 00-1478 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.76	
05 05 23 00-1479 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	1.12	
05 05 23 00-1480 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	1.71	
05 05 23 00-1481 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	2.71	
05 05 23 00-1482 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	3.19	
05 05 23 00-1483 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	5.70	
05 05 23 00-1484 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	6.42	
<b>05 05 23 00-1485</b>	<b>Hot Dipped Galvanized Steel Lock Washers</b> <small>(05 05 23 00-1467)</small>	
05 05 23 00-1486 EA 1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.07	
05 05 23 00-1487 EA 5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.08	
05 05 23 00-1488 EA 3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.11	
05 05 23 00-1489 EA 7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.12	
05 05 23 00-1490 EA 1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.19	
05 05 23 00-1491 EA 9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.25	
05 05 23 00-1492 EA 5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.29	
05 05 23 00-1493 EA 3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.49	
05 05 23 00-1494 EA 7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.71	
05 05 23 00-1495 EA 1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	1.12	
05 05 23 00-1496 EA 1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	2.02	
05 05 23 00-1497 EA 1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	2.41	
05 05 23 00-1498 EA 1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	3.48	
05 05 23 00-1499 EA 1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	3.98	
05 05 23 00-1500 EA 1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	5.39	
05 05 23 00-1501 EA 2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	7.34	
<b>05 05 23 00-1502</b>	<b>304/18-8 Stainless Steel Lock Washers</b> <small>(05 05 23 00-1467)</small>	
05 05 23 00-1503 EA 1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	0.10	
05 05 23 00-1504 EA 5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	0.15	
05 05 23 00-1505 EA 3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	0.20	
05 05 23 00-1506 EA 7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	0.38	
05 05 23 00-1507 EA 1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	0.42	
05 05 23 00-1508 EA 9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	1.02	
05 05 23 00-1509 EA 5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	1.20	
05 05 23 00-1510 EA 3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	1.40	
05 05 23 00-1511 EA 7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	2.54	
05 05 23 00-1512 EA 1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	3.59	
05 05 23 00-1513 EA 1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	6.26	
05 05 23 00-1514 EA 1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	8.32	
05 05 23 00-1515 EA 1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	10.59	
05 05 23 00-1516 EA 1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	12.70	
<b>05 05 23 00-1517</b>	<b>316 Stainless Steel Lock Washers</b> <small>(05 05 23 00-1467)</small>	
05 05 23 00-1518 EA 1/4" Inside Diameter, 316 Stainless Steel Lock Washer .....	0.13	
05 05 23 00-1519 EA 5/16" Inside Diameter, 316 Stainless Steel Lock Washer .....	0.28	
05 05 23 00-1520 EA 3/8" Inside Diameter, 316 Stainless Steel Lock Washer .....	0.32	
05 05 23 00-1521 EA 7/16" Inside Diameter, 316 Stainless Steel Lock Washer .....	0.55	
05 05 23 00-1522 EA 1/2" Inside Diameter, 316 Stainless Steel Lock Washer .....	0.61	
05 05 23 00-1523 EA 9/16" Inside Diameter, 316 Stainless Steel Lock Washer .....	1.09	
05 05 23 00-1524 EA 5/8" Inside Diameter, 316 Stainless Steel Lock Washer .....	1.20	
05 05 23 00-1525 EA 3/4" Inside Diameter, 316 Stainless Steel Lock Washer .....	2.06	
05 05 23 00-1526 EA 7/8" Inside Diameter, 316 Stainless Steel Lock Washer .....	3.41	
05 05 23 00-1527 EA 1" Inside Diameter, 316 Stainless Steel Lock Washer .....	4.64	
05 05 23 00-1528 EA 1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer .....	6.48	
05 05 23 00-1529 EA 1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer .....	9.98	
05 05 23 00-1530 EA 1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer .....	17.86	
05 05 23 00-1531 EA 1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer .....	19.84	
<b>05 05 23 00-1532</b>	<b>Load Indicating Washers</b> <small>(05 05 23 00-1283)</small>	
<b>05 05 23 00-1533</b>	<b>A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959)</b> <small>(05 05 23 00-1532)</small>	
<b>05 05 23 00-1534</b>	<b>Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959)</b> <small>(05 05 23 00-1533)</small>	
05 05 23 00-1535 EA 1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	1.86	
05 05 23 00-1536 EA 5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	2.10	
05 05 23 00-1537 EA 3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	2.27	
05 05 23 00-1538 EA 7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	2.58	
05 05 23 00-1539 EA 1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	3.11	
05 05 23 00-1540 EA 1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	5.17	
05 05 23 00-1541 EA 1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	6.68	
05 05 23 00-1542 EA 1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	8.53	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-1543	EA	1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	9.38
<b>05 05 23 00-1544 Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)</b>			
05 05 23 00-1545	EA	1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.35
05 05 23 00-1546	EA	5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.62
05 05 23 00-1547	EA	3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.55
05 05 23 00-1548	EA	7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.11
05 05 23 00-1549	EA	1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.68
05 05 23 00-1550	EA	1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	5.55
05 05 23 00-1551	EA	1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	6.99
05 05 23 00-1552	EA	1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	9.95
05 05 23 00-1553	EA	1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	10.94
<b>05 05 23 00-1554 Beveled Washers (05 05 23 00-1283)</b>			
<b>05 05 23 00-1555 Plain Finish, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)</b>			
05 05 23 00-1556	EA	1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436)	3.07
05 05 23 00-1557	EA	5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)	3.13
05 05 23 00-1558	EA	3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436)	3.20
05 05 23 00-1559	EA	7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)	3.89
05 05 23 00-1560	EA	1", Plain Finish, Square Beveled Structural Washer (ASTM F436)	4.10
<b>05 05 23 00-1561 Galvanized, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)</b>			
05 05 23 00-1562	EA	1/2", Galvanized, Square Beveled Structural Washer (ASTM F436)	4.41
05 05 23 00-1563	EA	5/8", Galvanized, Square Beveled Structural Washer (ASTM F436)	4.61
05 05 23 00-1564	EA	3/4", Galvanized, Square Beveled Structural Washer (ASTM F436)	4.61
05 05 23 00-1565	EA	7/8", Galvanized, Square Beveled Structural Washer (ASTM F436)	4.88
05 05 23 00-1566	EA	1", Galvanized, Square Beveled Structural Washer (ASTM F436)	5.18
<b>05 05 23 00-1567 Drilling In Steel Plates (05 05 23)</b>			
05 05 23 00-1568	EA	Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate	20.36
		For Aluminum, Deduct	-2.04
		For Stainless Steel, Add	2.55
		For >5 To 10, Deduct	-2.04
		For >10 To 25, Deduct	-5.09
		For >25 To 50, Deduct	-7.13
		For >50, Deduct	-10.18
05 05 23 00-1569	EA	>1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate	23.95
		For Aluminum, Deduct	-2.40
		For Stainless Steel, Add	2.99
		For >5 To 10, Deduct	-2.40
		For >10 To 25, Deduct	-5.99
		For >25 To 50, Deduct	-8.38
		For >50, Deduct	-11.98
05 05 23 00-1570	EA	>7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate	28.74
		For Aluminum, Deduct	-2.87
		For Stainless Steel, Add	3.59
		For >5 To 10, Deduct	-2.87
		For >10 To 25, Deduct	-7.19
		For >25 To 50, Deduct	-10.06
		For >50, Deduct	-14.37
05 05 23 00-1571	EA	>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate	33.53
		For Aluminum, Deduct	-3.35
		For Stainless Steel, Add	4.19
		For >5 To 10, Deduct	-3.35
		For >10 To 25, Deduct	-8.38
		For >25 To 50, Deduct	-11.74
		For >50, Deduct	-16.77
05 05 23 00-1572	EA	>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate	44.90
		For Aluminum, Deduct	-4.49
		For Stainless Steel, Add	5.61
		For >5 To 10, Deduct	-4.49
		For >10 To 25, Deduct	-11.23
		For >25 To 50, Deduct	-15.72
		For >50, Deduct	-22.45
05 05 23 00-1573	EA	Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate	23.95
		For Aluminum, Deduct	-2.40
		For Stainless Steel, Add	2.99
		For >5 To 10, Deduct	-2.40
		For >10 To 25, Deduct	-5.99
		For >25 To 50, Deduct	-8.38
		For >50, Deduct	-11.98
05 05 23 00-1574	EA	>1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate	29.94
		For Aluminum, Deduct	-2.99
		For Stainless Steel, Add	3.74
		For >5 To 10, Deduct	-2.99
		For >10 To 25, Deduct	-7.49
		For >25 To 50, Deduct	-10.48
		For >50, Deduct	-14.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1575 EA >7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	35.92	
<i>For Aluminum, Deduct</i>	-3.59	
<i>For Stainless Steel, Add</i>	4.49	
<i>For &gt;5 To 10, Deduct</i>	-3.59	
<i>For &gt;10 To 25, Deduct</i>	-8.98	
<i>For &gt;25 To 50, Deduct</i>	-12.57	
<i>For &gt;50, Deduct</i>	-17.96	
05 05 23 00-1576 EA >1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	44.90	
<i>For Aluminum, Deduct</i>	-4.49	
<i>For Stainless Steel, Add</i>	5.61	
<i>For &gt;5 To 10, Deduct</i>	-4.49	
<i>For &gt;10 To 25, Deduct</i>	-11.23	
<i>For &gt;25 To 50, Deduct</i>	-15.72	
<i>For &gt;50, Deduct</i>	-22.45	
05 05 23 00-1577 EA Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	29.94	
<i>For Aluminum, Deduct</i>	-2.99	
<i>For Stainless Steel, Add</i>	3.74	
<i>For &gt;5 To 10, Deduct</i>	-2.99	
<i>For &gt;10 To 25, Deduct</i>	-7.49	
<i>For &gt;25 To 50, Deduct</i>	-10.48	
<i>For &gt;50, Deduct</i>	-14.97	
05 05 23 00-1578 EA >1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	39.51	
<i>For Aluminum, Deduct</i>	-3.95	
<i>For Stainless Steel, Add</i>	4.94	
<i>For &gt;5 To 10, Deduct</i>	-3.95	
<i>For &gt;10 To 25, Deduct</i>	-9.88	
<i>For &gt;25 To 50, Deduct</i>	-13.83	
<i>For &gt;50, Deduct</i>	-19.76	
05 05 23 00-1579 EA >7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	47.90	
<i>For Aluminum, Deduct</i>	-4.79	
<i>For Stainless Steel, Add</i>	5.99	
<i>For &gt;5 To 10, Deduct</i>	-4.79	
<i>For &gt;10 To 25, Deduct</i>	-11.98	
<i>For &gt;25 To 50, Deduct</i>	-16.77	
<i>For &gt;50, Deduct</i>	-23.95	

**05 05 23 00-1580 Welded Stud Anchors** (05 05 23)

05 05 23 00-1581 EA 1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.19
05 05 23 00-1582 EA 2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.28
05 05 23 00-1583 EA 3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.32
05 05 23 00-1584 EA 4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.36
05 05 23 00-1585 EA 1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.11
05 05 23 00-1586 EA 1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.33
05 05 23 00-1587 EA 2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.56
05 05 23 00-1588 EA 2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.68
05 05 23 00-1589 EA 3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.80
05 05 23 00-1590 EA 4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.28
05 05 23 00-1591 EA 5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.66
05 05 23 00-1592 EA 6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.97
05 05 23 00-1593 EA 1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.05
05 05 23 00-1594 EA 1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.08
05 05 23 00-1595 EA 2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.44
05 05 23 00-1596 EA 2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.77
05 05 23 00-1597 EA 3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.19
05 05 23 00-1598 EA 4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.83
05 05 23 00-1599 EA 5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	7.25
05 05 23 00-1600 EA 6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	8.38
05 05 23 00-1601 EA 8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	10.53
05 05 23 00-1602 EA 2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	7.24
05 05 23 00-1603 EA 3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	7.79
05 05 23 00-1604 EA 3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.23
05 05 23 00-1605 EA 4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.66
05 05 23 00-1606 EA 4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.03
05 05 23 00-1607 EA 5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.36
05 05 23 00-1608 EA 6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.80
05 05 23 00-1609 EA 6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	11.63
05 05 23 00-1610 EA 8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	14.16

**05 05 23 00-1611 Welded Shear Stud Connector** (05 05 23)

**05 05 23 00-1612 3/4" Diameter Welded Shear Stud Connector** (05 05 23 00-1611)

05 05 23 00-1613 EA 3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	9.32
05 05 23 00-1614 EA 3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector.....	9.70
05 05 23 00-1615 EA 3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector.....	9.81
05 05 23 00-1616 EA 3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	9.86
05 05 23 00-1617 EA 3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector.....	10.30
05 05 23 00-1618 EA 3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector.....	11.10
05 05 23 00-1619 EA 3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector.....	18.87
05 05 23 00-1620 EA 3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	12.03
05 05 23 00-1621 EA 3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector.....	13.45
05 05 23 00-1622 EA 3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	17.46

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-1623	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	17.90	
05 05 23 00-1624	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	19.45	
05 05 23 00-1625	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	25.95	
<b>05 05 23 00-1626</b>		<b>7/8" Diameter Welded Shear Stud Connector</b> (05 05 23 00-1611)		
05 05 23 00-1627	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	11.25	
05 05 23 00-1628	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector.....	11.87	
05 05 23 00-1629	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	12.49	
05 05 23 00-1630	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	14.27	
05 05 23 00-1631	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	18.41	
05 05 23 00-1632	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	20.30	
05 05 23 00-1633	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	22.16	
05 05 23 00-1634	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	27.37	
<b>05 05 23 00-1635</b>		<b>1" Diameter Welded Shear Stud Connector</b> (05 05 23 00-1611)		
05 05 23 00-1636	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector .....	15.31	
05 05 23 00-1637	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector .....	17.22	
05 05 23 00-1638	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector .....	20.03	
05 05 23 00-1639	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector .....	25.46	
05 05 23 00-1640	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector .....	28.41	
05 05 23 00-1641	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector .....	31.35	
<b>05 10 Structural Metal Framing</b>				
<b>05 12 Structural Steel Framing</b>				
<b>05 12 23 Structural Steel for Buildings</b>				
		See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0117 for field fabrication of additional structural metal connections.		
<b>05 12 23 00-0001</b>		<b>Rolled Steel Members</b> (05 12 23)		
		Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0117 for field fabrication of additional structural metal connections.		
<b>05 12 23 00-0002</b>		<b>Beams, Girders And Columns</b> (05 12 23 00-0001)		
		Note: For one and two story I beams and W shapes and HP shapes.		
05 12 23 00-0003	TON	Up To 30 LB/LF Beams, Girders And Columns .....	10,122.89	1,238.82
		For ASTM A242 Type 2 High Strength Steel, Add	604.80	
		For Hot Dip Galvanizing, Add	2,116.81	
		For >10 To 25 Tons, Deduct	-642.60	
		For >25 To 50 Tons, Deduct	-1,323.01	
		For >50 Tons, Deduct	-1,890.01	
05 12 23 00-0004	TON	>30-65 LB/LF Beams, Girders And Columns.....	7,058.87	800.81
		For ASTM A242 Type 2 High Strength Steel, Add	496.37	
		For Hot Dip Galvanizing, Add	1,737.29	
		For >10 To 25 Tons, Deduct	-527.39	
		For >25 To 50 Tons, Deduct	-1,085.80	
		For >50 Tons, Deduct	-1,551.15	
05 12 23 00-0005	TON	>65-100 LB/LF Beams, Girders And Columns.....	5,988.86	450.51
		For ASTM A242 Type 2 High Strength Steel, Add	440.67	
		For Hot Dip Galvanizing, Add	1,542.33	
		For >10 To 25 Tons, Deduct	-468.21	
		For >25 To 50 Tons, Deduct	-963.96	
		For >50 Tons, Deduct	-1,377.08	
05 12 23 00-0006	TON	>100-300 LB/LF Beams, Girders And Columns.....	4,021.88	239.79
		For ASTM A242 Type 2 High Strength Steel, Add	301.25	
		For Hot Dip Galvanizing, Add	1,054.37	
		For >10 To 25 Tons, Deduct	-320.08	
		For >25 To 50 Tons, Deduct	-658.98	
		For >50 Tons, Deduct	-941.40	
<b>05 12 23 00-0007</b>		<b>Trusses, Built-Up</b> (05 12 23 00-0001)		
05 12 23 00-0008	TON	Built-Up Trusses, Rolled Structural Steel Members.....	7,490.05	842.50
		For ASTM A242 Type 2 High Strength Steel, Add	527.35	
		For Hot Dip Galvanizing, Add	1,845.72	
		For >10 To 25 Tons, Deduct	-560.31	
		For >25 To 50 Tons, Deduct	-1,153.57	
		For >50 Tons, Deduct	-1,647.96	
<b>05 12 23 00-0009</b>		<b>Shapes</b> (05 12 23 00-0001)		
<b>05 12 23 00-0010</b>		<b>Rolled Shape Steel Angles</b> (05 12 23 00-0009)		



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0011 TON Up To 10 LB/LF Rolled Shape Steel Angles.....	14,756.04	2,302.97
For ASTM A242 Type 2 High Strength Steel, Add	873.42	
For Hot Dip Galvanizing, Add	3,056.97	
For >10 To 25 Tons, Deduct	-928.01	
For >25 To 50 Tons, Deduct	-1,910.61	
For >50 Tons, Deduct	-2,729.44	
05 12 23 00-0012 TON >10 To 20 LB/LF Rolled Shape Steel Angles .....	13,006.82	1,351.51
For ASTM A242 Type 2 High Strength Steel, Add	835.52	
For Hot Dip Galvanizing, Add	2,924.31	
For >10 To 25 Tons, Deduct	-887.74	
For >25 To 50 Tons, Deduct	-1,827.69	
For >50 Tons, Deduct	-2,610.99	
05 12 23 00-0013 TON >20 To 58 LB/LF Rolled Shape Steel Angles .....	10,041.54	800.81
For ASTM A242 Type 2 High Strength Steel, Add	734.99	
For Hot Dip Galvanizing, Add	2,572.47	
For >10 To 25 Tons, Deduct	-780.93	
For >25 To 50 Tons, Deduct	-1,607.79	
For >50 Tons, Deduct	-2,296.85	
<b>05 12 23 00-0014 Rolled C, MC Steel Channels (05 12 23 00-0009)</b>		
05 12 23 00-0015 TON Up To 10 LB/LF Rolled C, MC Steel Channels.....	16,033.57	3,153.51
For ASTM A242 Type 2 High Strength Steel, Add	860.24	
For Hot Dip Galvanizing, Add	3,010.83	
For >10 To 25 Tons, Deduct	-914.00	
For >25 To 50 Tons, Deduct	-1,881.77	
For >50 Tons, Deduct	-2,688.24	
05 12 23 00-0016 TON >10 To 20 Rolled C, MC Steel Channels.....	12,862.62	2,402.68
For ASTM A242 Type 2 High Strength Steel, Add	823.98	
For Hot Dip Galvanizing, Add	2,883.94	
For >10 To 25 Tons, Deduct	-875.48	
For >25 To 50 Tons, Deduct	-1,802.46	
For >50 Tons, Deduct	-2,574.94	
05 12 23 00-0017 TON >20 To 58 LB/LF Rolled C, MC Steel Channels .....	9,876.75	800.81
For ASTM A242 Type 2 High Strength Steel, Add	721.81	
For Hot Dip Galvanizing, Add	2,526.33	
For >10 To 25 Tons, Deduct	-766.92	
For >25 To 50 Tons, Deduct	-1,578.96	
For >50 Tons, Deduct	-2,255.65	
<b>05 12 23 00-0018 Double L Shape Steel Angles (05 12 23 00-0009)</b>		
05 12 23 00-0019 TON Up To 20 LB/LF Double L Shape Steel Angles.....	13,704.34	1,827.23
For ASTM A242 Type 2 High Strength Steel, Add	840.46	
For Hot Dip Galvanizing, Add	2,941.62	
For >10 To 25 Tons, Deduct	-892.99	
For >25 To 50 Tons, Deduct	-1,838.51	
For >50 Tons, Deduct	-2,626.44	
05 12 23 00-0020 TON >20 To 50 LB/LF Double L Shape Steel Angles .....	10,741.93	800.81
For ASTM A242 Type 2 High Strength Steel, Add	791.02	
For Hot Dip Galvanizing, Add	2,768.58	
For >10 To 25 Tons, Deduct	-840.46	
For >25 To 50 Tons, Deduct	-1,730.36	
For >50 Tons, Deduct	-2,471.95	
05 12 23 00-0021 TON >50 To 80 LB/LF Double L Shape Steel Angles .....	8,102.36	450.51
For ASTM A242 Type 2 High Strength Steel, Add	609.75	
For Hot Dip Galvanizing, Add	2,134.11	
For >10 To 25 Tons, Deduct	-647.86	
For >25 To 50 Tons, Deduct	-1,333.82	
For >50 Tons, Deduct	-1,905.46	
05 12 23 00-0022 TON >80 To 115 LB/LF Double L Shape Steel Angles .....	5,199.78	240.15
For ASTM A242 Type 2 High Strength Steel, Add	395.51	
For Hot Dip Galvanizing, Add	1,384.29	
For >10 To 25 Tons, Deduct	-420.23	
For >25 To 50 Tons, Deduct	-865.18	
For >50 Tons, Deduct	-1,235.97	
<b>05 12 23 00-0023 Structural WT, MT, ST Tee Shapes (05 12 23 00-0001)</b>		
05 12 23 00-0024 TON Up To 30 LB/LF Structural WT, MT, ST Tee Shapes.....	12,450.63	1,351.51
For ASTM A242 Type 2 High Strength Steel, Add	791.02	
For Hot Dip Galvanizing, Add	2,768.58	
For >10 To 25 Tons, Deduct	-840.46	
For >25 To 50 Tons, Deduct	-1,730.36	
For >50 Tons, Deduct	-2,471.95	
05 12 23 00-0025 TON >30 To 65 LB/LF Structural WT, MT, ST Tee Shapes .....	8,414.31	800.81
For ASTM A242 Type 2 High Strength Steel, Add	604.80	
For Hot Dip Galvanizing, Add	2,116.81	
For >10 To 25 Tons, Deduct	-642.60	
For >25 To 50 Tons, Deduct	-1,323.01	
For >50 Tons, Deduct	-1,890.01	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0026 TON >65 To 100 LB/LF Structural WT, MT, ST Tee Shapes .....	6,660.39	450.51
For ASTM A242 Type 2 High Strength Steel, Add	494.39	
For Hot Dip Galvanizing, Add	1,730.36	
For >10 To 25 Tons, Deduct	-525.29	
For >25 To 50 Tons, Deduct	-1,081.48	
For >50 Tons, Deduct	-1,544.97	
05 12 23 00-0027 TON >100 To 365 LB/LF Structural WT, MT, ST Tee Shapes .....	4,911.79	239.79
For ASTM A242 Type 2 High Strength Steel, Add	372.44	
For Hot Dip Galvanizing, Add	1,303.54	
For >10 To 25 Tons, Deduct	-395.72	
For >25 To 50 Tons, Deduct	-814.71	
For >50 Tons, Deduct	-1,163.88	
<b>05 12 23 00-0028 Combination Section Shapes (05 12 23 00-0001)</b>		
<b>05 12 23 00-0029 Combination Section, W Shapes And Angles (05 12 23 00-0028)</b>		
05 12 23 00-0030 TON Up To 30 LB/LF Combination Section - W Shapes And Angles.....	11,812.04	1,351.51
For ASTM A242 Type 2 High Strength Steel, Add	739.94	
For Hot Dip Galvanizing, Add	2,589.77	
For >10 To 25 Tons, Deduct	-786.18	
For >25 To 50 Tons, Deduct	-1,618.61	
For >50 Tons, Deduct	-2,312.30	
05 12 23 00-0031 TON >30-65 LB/LF Combination Section - W Shapes And Angles .....	8,476.13	800.81
For ASTM A242 Type 2 High Strength Steel, Add	609.75	
For Hot Dip Galvanizing, Add	2,134.12	
For >10 To 25 Tons, Deduct	-647.86	
For >25 To 50 Tons, Deduct	-1,333.82	
For >50 Tons, Deduct	-1,905.46	
05 12 23 00-0032 TON >65-100 LB/LF Combination Section - W Shapes And Angles .....	6,145.40	450.51
For ASTM A242 Type 2 High Strength Steel, Add	453.19	
For Hot Dip Galvanizing, Add	1,586.16	
For >10 To 25 Tons, Deduct	-481.51	
For >25 To 50 Tons, Deduct	-991.35	
For >50 Tons, Deduct	-1,416.22	
05 12 23 00-0033 TON >100-300 LB/LF Combination Section - W Shapes And Angles .....	5,323.38	239.79
For ASTM A242 Type 2 High Strength Steel, Add	405.40	
For Hot Dip Galvanizing, Add	1,418.90	
For >10 To 25 Tons, Deduct	-430.74	
For >25 To 50 Tons, Deduct	-886.81	
For >50 Tons, Deduct	-1,266.87	
05 12 23 00-0034 TON >300-500 LB/LF Combination Section - W Shapes And Angles .....	4,598.25	120.37
For ASTM A242 Type 2 High Strength Steel, Add	357.61	
For Hot Dip Galvanizing, Add	1,251.63	
For >10 To 25 Tons, Deduct	-379.96	
For >25 To 50 Tons, Deduct	-782.27	
For >50 Tons, Deduct	-1,117.53	
<b>05 12 23 00-0035 Combination Section, S Shapes And Angles (05 12 23 00-0028)</b>		
05 12 23 00-0036 TON >30-65 LB/LF Combination Section - S Shapes And Angles .....	8,146.52	800.81
For ASTM A242 Type 2 High Strength Steel, Add	583.38	
For Hot Dip Galvanizing, Add	2,041.83	
For >10 To 25 Tons, Deduct	-619.84	
For >25 To 50 Tons, Deduct	-1,276.14	
For >50 Tons, Deduct	-1,823.06	
05 12 23 00-0037 TON >65-100 LB/LF Combination Section - S Shapes And Angles .....	6,166.00	450.51
For ASTM A242 Type 2 High Strength Steel, Add	454.84	
For Hot Dip Galvanizing, Add	1,591.93	
For >10 To 25 Tons, Deduct	-483.26	
For >25 To 50 Tons, Deduct	-994.96	
For >50 Tons, Deduct	-1,421.37	
<b>05 12 23 00-0038 Combination Section, Channels And Angles (05 12 23 00-0028)</b>		
05 12 23 00-0039 TON Up To 30 LB/LF Combination Section - Channels And Angles.....	12,450.63	1,351.51
For ASTM A242 Type 2 High Strength Steel, Add	791.02	
For Hot Dip Galvanizing, Add	2,768.58	
For >10 To 25 Tons, Deduct	-840.46	
For >25 To 50 Tons, Deduct	-1,730.36	
For >50 Tons, Deduct	-2,471.95	
05 12 23 00-0040 TON >30-65 LB/LF Combination Section - Channels And Angles.....	8,888.10	800.81
For ASTM A242 Type 2 High Strength Steel, Add	642.71	
For Hot Dip Galvanizing, Add	2,249.47	
For >10 To 25 Tons, Deduct	-682.87	
For >25 To 50 Tons, Deduct	-1,405.92	
For >50 Tons, Deduct	-2,008.46	
05 12 23 00-0041 TON >65-100 LB/LF Combination Section - Channels And Angles.....	6,310.20	450.51
For ASTM A242 Type 2 High Strength Steel, Add	466.37	
For Hot Dip Galvanizing, Add	1,632.31	
For >10 To 25 Tons, Deduct	-495.52	
For >25 To 50 Tons, Deduct	-1,020.19	
For >50 Tons, Deduct	-1,457.42	





	<b>Metals</b>	<b>05</b>
	<b>Structural Metal Framing</b>	<b>05 10</b>
	<b>Structural Steel Framing</b>	<b>05 12</b>

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>05 12 23 00-0042 Standard Weight Pipe</b> <small>(05 12 23 00-0001)</small>		
05 12 23 00-0043 TON 1/2" To 5" Diameter Standard Weight Pipe.....	7,195.92	720.81
For ASTM A242 Type 2 High Strength Steel, Add	514.16	
For Hot Dip Galvanizing, Add	1,799.58	
For >10 To 25 Tons, Deduct	-546.30	
For >25 To 50 Tons, Deduct	-1,124.74	
For >50 Tons, Deduct	-1,606.77	
05 12 23 00-0044 TON >5" To 12" Diameter Standard Weight Pipe.....	7,676.52	901.00
For ASTM A242 Type 2 High Strength Steel, Add	537.24	
For Hot Dip Galvanizing, Add	1,880.33	
For >10 To 25 Tons, Deduct	-570.81	
For >25 To 50 Tons, Deduct	-1,175.20	
For >50 Tons, Deduct	-1,678.86	
<b>05 12 23 00-0045 Structural Steel Shapes</b> <small>(05 12 23)</small>		
Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0117 for field fabrication of additional structural metal connections.		
<b>05 12 23 00-0046 Steel Rods</b> <small>(05 12 23 00-0045)</small>		
05 12 23 00-0047 TON 1/2" To 5" Diameter Extra Strong Steel, Solid.....	7,769.29	563.19
For ASTM A242 Type 2 High Strength Steel, Add	573.49	
For Hot Dip Galvanizing, Add	2,007.22	
For >10 To 25 Tons, Deduct	-609.33	
For >25 To 50 Tons, Deduct	-1,254.51	
For >50 Tons, Deduct	-1,792.16	
05 12 23 00-0048 TON >5" To 12" Diameter Extra Strong Steel, Solid.....	8,888.10	800.81
For ASTM A242 Type 2 High Strength Steel, Add	642.71	
For Hot Dip Galvanizing, Add	2,249.47	
For >10 To 25 Tons, Deduct	-682.87	
For >25 To 50 Tons, Deduct	-1,405.92	
For >50 Tons, Deduct	-2,008.46	
<b>05 12 23 00-0049 Column Base Plates</b> <small>(05 12 23 00-0045)</small>		
05 12 23 00-0050 LB Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items.....	3.85	0.72
For ASTM A242 Type 2 High Strength Steel, Add	0.25	
For Hot Dip Galvanizing, Add	0.87	
05 12 23 00-0051 LB Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items.....	3.62	0.61
For ASTM A242 Type 2 High Strength Steel, Add	0.24	
For Hot Dip Galvanizing, Add	0.82	
05 12 23 00-0052 TON Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items.....	7,050.04	635.46
For ASTM A242 Type 2 High Strength Steel, Add	509.78	
For Hot Dip Galvanizing, Add	1,784.22	
For >10 To 25 Tons, Deduct	-541.64	
For >25 To 50 Tons, Deduct	-1,115.14	
For >50 Tons, Deduct	-1,593.05	
05 12 23 00-0053 TON Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items.....	5,015.64	381.27
For ASTM A242 Type 2 High Strength Steel, Add	368.72	
For Hot Dip Galvanizing, Add	1,290.50	
For >10 To 25 Tons, Deduct	-391.76	
For >25 To 50 Tons, Deduct	-806.56	
For >50 Tons, Deduct	-1,152.24	
<b>05 12 23 00-0054 Double Extra Strong Pipes</b> <small>(05 12 23 00-0045)</small>		
05 12 23 00-0055 TON 2" To 5" Diameter Double Extra Strong Pipe.....	9,296.98	1,029.67
For ASTM A242 Type 2 High Strength Steel, Add	655.89	
For Hot Dip Galvanizing, Add	2,295.61	
For >10 To 25 Tons, Deduct	-696.88	
For >25 To 50 Tons, Deduct	-1,434.76	
For >50 Tons, Deduct	-2,049.66	
05 12 23 00-0056 TON >5" To 8" Diameter Double Extra Strong Pipe.....	8,790.05	554.42
For ASTM A242 Type 2 High Strength Steel, Add	655.89	
For Hot Dip Galvanizing, Add	2,295.61	
For >10 To 25 Tons, Deduct	-696.88	
For >25 To 50 Tons, Deduct	-1,434.76	
For >50 Tons, Deduct	-2,049.66	
<b>05 12 23 00-0057 Structural Pipes</b> <small>(05 12 23 00-0045)</small>		
05 12 23 00-0058 TON 3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items.....	6,499.84	475.73
For ASTM A242 Type 2 High Strength Steel, Add	461.43	
For Hot Dip Galvanizing, Add	1,615.00	
For >10 To 25 Tons, Deduct	-490.27	
For >25 To 50 Tons, Deduct	-1,009.38	
For >50 Tons, Deduct	-1,441.97	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0059	TON		>5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items.....	6,978.29	548.65
			For ASTM A242 Type 2 High Strength Steel, Add	461.43	
			For Hot Dip Galvanizing, Add	1,615.00	
			For >10 To 25 Tons, Deduct	-490.27	
			For >25 To 50 Tons, Deduct	-1,009.38	
			For >50 Tons, Deduct	-1,441.97	
05 12 23 00-0060			<b>Structural Tubing</b> (05 12 23 00-0045)		
05 12 23 00-0061			<b>Rectangle Structural Tubing</b> (05 12 23 00-0060)		
05 12 23 00-0062	TON		3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle.....	10,812.34	480.53
			For ASTM A242 Type 2 High Strength Steel, Add	823.98	
			For Hot Dip Galvanizing, Add	2,883.94	
			For >10 To 25 Tons, Deduct	-875.48	
			For >25 To 50 Tons, Deduct	-1,802.46	
			For >50 Tons, Deduct	-2,574.94	
05 12 23 00-0063	TON		4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle.....	10,891.20	554.42
			For ASTM A242 Type 2 High Strength Steel, Add	823.98	
			For Hot Dip Galvanizing, Add	2,883.94	
			For >10 To 25 Tons, Deduct	-875.48	
			For >25 To 50 Tons, Deduct	-1,802.46	
			For >50 Tons, Deduct	-2,574.94	
05 12 23 00-0064	TON		5" x 4", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle.....	9,498.52	600.66
			For ASTM A242 Type 2 High Strength Steel, Add	708.62	
			For Hot Dip Galvanizing, Add	2,480.18	
			For >10 To 25 Tons, Deduct	-752.91	
			For >25 To 50 Tons, Deduct	-1,550.12	
			For >50 Tons, Deduct	-2,214.45	
05 12 23 00-0065	TON		6" x 4", 3", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle .....	9,008.68	720.81
			For ASTM A242 Type 2 High Strength Steel, Add	659.19	
			For Hot Dip Galvanizing, Add	2,307.15	
			For >10 To 25 Tons, Deduct	-700.38	
			For >25 To 50 Tons, Deduct	-1,441.97	
			For >50 Tons, Deduct	-2,059.96	
05 12 23 00-0066	TON		7" x 5", 4", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle .....	8,476.11	800.81
			For ASTM A242 Type 2 High Strength Steel, Add	609.75	
			For Hot Dip Galvanizing, Add	2,134.11	
			For >10 To 25 Tons, Deduct	-647.86	
			For >25 To 50 Tons, Deduct	-1,333.82	
			For >50 Tons, Deduct	-1,905.46	
05 12 23 00-0067	TON		8" x 6", 4", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle .....	8,803.96	1,108.23
			For ASTM A242 Type 2 High Strength Steel, Add	609.75	
			For Hot Dip Galvanizing, Add	2,134.11	
			For >10 To 25 Tons, Deduct	-647.86	
			For >25 To 50 Tons, Deduct	-1,333.82	
			For >50 Tons, Deduct	-1,905.46	
05 12 23 00-0068	TON		10" x 6", 4", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle .....	9,349.34	1,465.03
			For ASTM A242 Type 2 High Strength Steel, Add	622.93	
			For Hot Dip Galvanizing, Add	2,180.26	
			For >10 To 25 Tons, Deduct	-661.86	
			For >25 To 50 Tons, Deduct	-1,362.66	
			For >50 Tons, Deduct	-1,946.66	
05 12 23 00-0069	TON		12" x 6", 4", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle .....	9,576.07	1,600.31
			For ASTM A242 Type 2 High Strength Steel, Add	629.52	
			For Hot Dip Galvanizing, Add	2,203.33	
			For >10 To 25 Tons, Deduct	-668.87	
			For >25 To 50 Tons, Deduct	-1,377.08	
			For >50 Tons, Deduct	-1,967.26	
05 12 23 00-0070	TON		14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle .....	9,791.16	1,802.00
			For ASTM A242 Type 2 High Strength Steel, Add	629.52	
			For Hot Dip Galvanizing, Add	2,203.33	
			For >10 To 25 Tons, Deduct	-668.87	
			For >25 To 50 Tons, Deduct	-1,377.08	
			For >50 Tons, Deduct	-1,967.26	
05 12 23 00-0071	TON		16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle .....	11,824.74	3,785.78
			For ASTM A242 Type 2 High Strength Steel, Add	622.93	
			For Hot Dip Galvanizing, Add	2,180.26	
			For >10 To 25 Tons, Deduct	-661.86	
			For >25 To 50 Tons, Deduct	-1,362.66	
			For >50 Tons, Deduct	-1,946.66	
05 12 23 00-0072	TON		18" x 6" Weight Range 48-76 LB/LF Structural Tubing - Rectangle.....	10,143.48	2,402.68
			For ASTM A242 Type 2 High Strength Steel, Add	606.45	
			For Hot Dip Galvanizing, Add	2,122.58	
			For >10 To 25 Tons, Deduct	-644.35	
			For >25 To 50 Tons, Deduct	-1,326.61	
			For >50 Tons, Deduct	-1,895.16	
05 12 23 00-0073	TON		20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle .....	13,888.76	5,527.71
			For ASTM A242 Type 2 High Strength Steel, Add	639.41	
			For Hot Dip Galvanizing, Add	2,237.93	
			For >10 To 25 Tons, Deduct	-679.37	
			For >25 To 50 Tons, Deduct	-1,398.71	
			For >50 Tons, Deduct	-1,998.16	
05 12 23 00-0074			<b>Square Structural Tubing</b> (05 12 23 00-0060)		



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0075 TON 2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,780.30 823.98 2,883.94 -875.48 -1,802.46 -2,574.94	450.51
05 12 23 00-0076 TON 2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,812.34 823.98 2,883.94 -875.48 -1,802.46 -2,574.94	480.53
05 12 23 00-0077 TON 3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	9,704.52 725.10 2,537.86 -770.42 -1,586.17 -2,265.95	600.66
05 12 23 00-0078 TON 3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	9,626.66 708.62 2,480.18 -752.91 -1,550.12 -2,214.45	720.81
05 12 23 00-0079 TON 4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	7,717.72 540.53 1,891.86 -574.32 -1,182.41 -1,689.16	901.00
05 12 23 00-0080 TON 5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	7,855.01 540.53 1,891.86 -574.32 -1,182.41 -1,689.16	1,029.67
05 12 23 00-0081 TON 6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	8,294.36 540.53 1,891.86 -574.32 -1,182.41 -1,689.16	1,441.61
05 12 23 00-0082 TON 7" x 7" Weight Range 17-42 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	8,802.39 550.42 1,926.47 -584.82 -1,204.04 -1,720.06	1,802.00
05 12 23 00-0083 TON 8" x 8" Weight Range 20-60 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,555.47 639.41 2,237.93 -679.37 -1,398.71 -1,998.16	2,402.68
05 12 23 00-0084 TON 10" x 10" Weight Range 33-77 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	11,836.91 639.41 2,237.93 -679.37 -1,398.71 -1,998.16	3,604.02
05 12 23 00-0085 TON 12" x 12" Weight Range 40-80 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	11,392.32 550.42 1,926.47 -584.82 -1,204.04 -1,720.06	4,230.04
05 12 23 00-0086 TON 14" x 14" Weight Range 57-90 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	13,723.96 626.23 2,191.79 -665.36 -1,369.87 -1,956.96	5,527.71
05 12 23 00-0087 TON 16" x 16" Weight Range 65-105 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	15,681.18 639.41 2,237.93 -679.37 -1,398.71 -1,998.16	7,208.03

05 12 23 00-0088 Structural Shapes (05 12 23 00-0045)

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0089 TON Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF).....	8,182.01	2,541.86
For ASTM A242 Type 2 High Strength Steel, Add	331.79	
For Hot Dip Galvanizing, Add	1,161.25	
For >20 To 50 LB/LF, Deduct	-1,019.94	
For >50 To 75 LB/LF, Deduct	-1,630.77	
For >75 To 100 LB/LF, Deduct	-2,241.61	
For >10 To 25 Tons, Deduct	-352.52	
For >25 To 50 Tons, Deduct	-725.78	
For >50 Tons, Deduct	-1,036.83	
05 12 23 00-0090 TON Structural Shapes, Steel Plate A36 Structural Steel .....	7,944.04	1,016.74
Note: Up to 21.5 LB per SF		
For ASTM A242 Type 2 High Strength Steel, Add	527.36	
For Hot Dip Galvanizing, Add	1,845.76	
For >21.5 To 50 LB/LF, Deduct	-862.01	
For >10 To 25 Tons, Deduct	-560.32	
For >25 To 50 Tons, Deduct	-1,153.60	
For >50 Tons, Deduct	-1,648.00	
05 12 23 00-0091 LB Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF).....	4.64	0.23
05 12 23 00-0092 LB Structural Shapes, Galvanized Pipe Supports.....	5.67	0.23
<b>05 12 23 00-0093 Built-Up Trusses</b> (05 12 23 00-0045)		
05 12 23 00-0094 TON Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up.....	8,768.44	360.40
For >10 To 25 Tons, Deduct	-712.64	
For >25 To 50 Tons, Deduct	-1,467.20	
For >50 Tons, Deduct	-2,096.00	
05 12 23 00-0095 TON >50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up .....	8,679.98	200.14
For >10 To 25 Tons, Deduct	-719.64	
For >25 To 50 Tons, Deduct	-1,481.62	
For >50 Tons, Deduct	-2,116.60	
05 12 23 00-0096 TON >100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up .....	7,734.90	105.96
For >10 To 25 Tons, Deduct	-647.86	
For >25 To 50 Tons, Deduct	-1,333.82	
For >50 Tons, Deduct	-1,905.46	
05 12 23 00-0097 TON >200 LF Span Average Weight 180 LB/LF Trusses, Built-up.....	7,522.62	100.19
For >10 To 25 Tons, Deduct	-630.35	
For >25 To 50 Tons, Deduct	-1,297.77	
For >50 Tons, Deduct	-1,853.96	
<b>05 12 23 00-0098 Masonry Plates, Filler Plates, Sole Plates And Anchor Straps</b> (05 12 23 00-0045)		
Note: Includes shop fabrication, welds, drilling and shop primer.		
05 12 23 00-0099 SF 1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	28.69	7.32
05 12 23 00-0100 SF 3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	43.03	10.95
05 12 23 00-0101 SF 1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	57.38	14.60
05 12 23 00-0102 SF 5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	71.72	18.24
05 12 23 00-0103 SF 3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	86.07	21.79
05 12 23 00-0104 SF 7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	100.41	25.54
05 12 23 00-0105 SF 1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	114.76	29.19
05 12 23 00-0106 SF 1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	129.10	32.84
05 12 23 00-0107 SF 1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	143.45	36.49
05 12 23 00-0108 SF 1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	157.80	40.14
05 12 23 00-0109 SF 1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	172.15	43.79
05 12 23 00-0110 SF 1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	186.49	47.44
05 12 23 00-0111 SF 1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	200.85	51.08
05 12 23 00-0112 SF 1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	215.19	54.73
05 12 23 00-0113 SF 2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	229.54	58.38
<b>05 12 23 00-0114 Accessories For Steel</b> (05 12 23)		
<b>05 12 23 00-0115 Field Painting For Touch-Up Of Shop Prime Coat</b> (05 12 23 00-0114)		
05 12 23 00-0116 SF Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat.....	1.14	
<b>05 12 23 00-0117 Connection And Stiffener Plates</b> (05 12 23 00-0114)		
Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0118 TON 1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates.....	19,030.43	
For >10 To 25 Tons, Deduct	-1,617.59	
For >25 To 50 Tons, Deduct	-3,330.33	
For >50 Tons, Deduct	-4,757.61	
05 12 23 00-0119 TON 3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates.....	16,236.68	
For >10 To 25 Tons, Deduct	-1,380.12	
For >25 To 50 Tons, Deduct	-2,841.42	
For >50 Tons, Deduct	-4,059.17	
05 12 23 00-0120 TON 1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates.....	12,556.16	
For >10 To 25 Tons, Deduct	-1,067.27	
For >25 To 50 Tons, Deduct	-2,197.33	
For >50 Tons, Deduct	-3,139.04	
05 12 23 00-0121 TON 5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates.....	12,556.16	
For >10 To 25 Tons, Deduct	-1,067.27	
For >25 To 50 Tons, Deduct	-2,197.33	
For >50 Tons, Deduct	-3,139.04	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0122 TON 3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates.....	12,556.16	
For >10 To 25 Tons, Deduct	-1,067.27	
For >25 To 50 Tons, Deduct	-2,197.33	
For >50 Tons, Deduct	-3,139.04	
05 12 23 00-0123 TON 1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates.....	12,556.16	
For >10 To 25 Tons, Deduct	-1,067.27	
For >25 To 50 Tons, Deduct	-2,197.33	
For >50 Tons, Deduct	-3,139.04	
05 12 23 00-0124 TON 9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates.....	12,556.16	
For >10 To 25 Tons, Deduct	-1,067.27	
For >25 To 50 Tons, Deduct	-2,197.33	
For >50 Tons, Deduct	-3,139.04	
05 12 23 00-0125 TON 5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates.....	12,556.16	
For >10 To 25 Tons, Deduct	-1,067.27	
For >25 To 50 Tons, Deduct	-2,197.33	
For >50 Tons, Deduct	-3,139.04	
05 12 23 00-0126 TON 3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates.....	11,771.40	
For >10 To 25 Tons, Deduct	-1,000.57	
For >25 To 50 Tons, Deduct	-2,060.00	
For >50 Tons, Deduct	-2,942.85	
05 12 23 00-0127 TON 7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates.....	11,771.40	
For >10 To 25 Tons, Deduct	-1,000.57	
For >25 To 50 Tons, Deduct	-2,060.00	
For >50 Tons, Deduct	-2,942.85	
05 12 23 00-0128 TON 1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates.....	11,771.40	
For >10 To 25 Tons, Deduct	-1,000.57	
For >25 To 50 Tons, Deduct	-2,060.00	
For >50 Tons, Deduct	-2,942.85	
<b>05 12 23 00-0129 Field Applied Cold Galvanizing</b> (05 12 23 00-0114)		
05 12 23 00-0130 SF Brush Applied Cold Galvanizing .....		1.57
<b>05 12 23 00-0131 Metal Grinding</b> (05 12 23 00-0114)		
Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0132 SI Metal Grinding Up To 1/32" Thickness To Be Removed.....		1.23
Note: Includes rust or scale removal on metal and smoothing surface.		
<b>05 12 23 00-0133 Structural Steel For Buildings And Structures</b> (05 12 23)		
Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.		
<b>05 12 23 00-0134 First Tier A992/A36 Structural Steel Columns, W Shapes</b> (05 12 23 00-0133)		
Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0135 LF W14 x 730 A992/A36 Structural Column .....	1,634.33	70.50
For Hot Dip Galvanizing, Add	432.67	
For High Strength Low Alloy A572-50 Steel, Add	147.09	
For High Strength Low Alloy A588 Grade B Steel, Add	326.87	
05 12 23 00-0136 LF W14 x 665 A992/A36 Structural Column .....	1,490.40	65.71
For Hot Dip Galvanizing, Add	394.15	
For High Strength Low Alloy A572-50 Steel, Add	134.14	
For High Strength Low Alloy A588 Grade B Steel, Add	298.08	
05 12 23 00-0137 LF W14 x 605 A992/A36 Structural Column .....	1,357.42	61.16
For Hot Dip Galvanizing, Add	358.59	
For High Strength Low Alloy A572-50 Steel, Add	122.17	
For High Strength Low Alloy A588 Grade B Steel, Add	271.48	
05 12 23 00-0138 LF W14 x 550 A992/A36 Structural Column .....	1,235.39	56.90
For Hot Dip Galvanizing, Add	325.99	
For High Strength Low Alloy A572-50 Steel, Add	111.19	
For High Strength Low Alloy A588 Grade B Steel, Add	247.08	
05 12 23 00-0139 LF W14 x 500 A992/A36 Structural Column .....	1,134.59	62.47
For Hot Dip Galvanizing, Add	296.35	
For High Strength Low Alloy A572-50 Steel, Add	102.11	
For High Strength Low Alloy A588 Grade B Steel, Add	226.92	
05 12 23 00-0140 LF W14 x 426 A992/A36 Structural Column .....	968.01	54.54
For Hot Dip Galvanizing, Add	252.49	
For High Strength Low Alloy A572-50 Steel, Add	87.12	
For High Strength Low Alloy A588 Grade B Steel, Add	193.60	
05 12 23 00-0141 LF W14 x 342 A992/A36 Structural Column .....	782.58	47.22
For Hot Dip Galvanizing, Add	203.21	
For High Strength Low Alloy A572-50 Steel, Add	70.43	
For High Strength Low Alloy A588 Grade B Steel, Add	156.52	
05 12 23 00-0142 LF W14 x 311 A992/A36 Structural Column .....	704.76	44.09
For Hot Dip Galvanizing, Add	182.52	
For High Strength Low Alloy A572-50 Steel, Add	63.43	
For High Strength Low Alloy A588 Grade B Steel, Add	140.95	
05 12 23 00-0143 LF W14 x 283 A992/A36 Structural Column .....	639.62	41.57
For Hot Dip Galvanizing, Add	165.21	
For High Strength Low Alloy A572-50 Steel, Add	57.57	
For High Strength Low Alloy A588 Grade B Steel, Add	127.92	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0144	LF		W14 x 257 A992/A36 Structural Column .....	562.06	39.40
			<i>For Hot Dip Galvanizing, Add</i>	144.32	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	50.59	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	112.41	
05 12 23 00-0145	LF		W14 x 233 A992/A36 Structural Column .....	517.22	36.64
			<i>For Hot Dip Galvanizing, Add</i>	132.69	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	46.55	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	103.44	
05 12 23 00-0146	LF		W14 x 211 A992/A36 Structural Column .....	459.97	34.12
			<i>For Hot Dip Galvanizing, Add</i>	117.54	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	41.40	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	91.99	
05 12 23 00-0147	LF		W14 x 193 A992/A36 Structural Column .....	415.95	32.44
			<i>For Hot Dip Galvanizing, Add</i>	105.82	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	37.44	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	83.19	
05 12 23 00-0148	LF		W14 x 176 A992/A36 Structural Column .....	374.80	31.00
			<i>For Hot Dip Galvanizing, Add</i>	94.84	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	33.73	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	74.96	
05 12 23 00-0149	LF		W14 x 159 A992/A36 Structural Column .....	338.79	29.91
			<i>For Hot Dip Galvanizing, Add</i>	85.18	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	30.49	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	67.76	
05 12 23 00-0150	LF		W14 x 145 A992/A36 Structural Column .....	327.39	28.95
			<i>For Hot Dip Galvanizing, Add</i>	82.28	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	29.47	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	65.48	
05 12 23 00-0151	LF		W14 x 132 A992/A36 Structural Column .....	279.84	27.63
			<i>For Hot Dip Galvanizing, Add</i>	69.49	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	25.19	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	55.97	
05 12 23 00-0152	LF		W14 x 120 A992/A36 Structural Column .....	262.33	26.91
			<i>For Hot Dip Galvanizing, Add</i>	64.83	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	23.61	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	52.47	
05 12 23 00-0153	LF		W14 x 109 A992/A36 Structural Column .....	234.79	25.83
			<i>For Hot Dip Galvanizing, Add</i>	57.52	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	21.13	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	46.96	
05 12 23 00-0154	LF		W14 x 99 A992/A36 Structural Column .....	214.16	25.10
			<i>For Hot Dip Galvanizing, Add</i>	52.03	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.27	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	42.83	
05 12 23 00-0155	LF		W14 x 90 A992/A36 Structural Column .....	198.89	24.51
			<i>For Hot Dip Galvanizing, Add</i>	47.96	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.90	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.78	
05 12 23 00-0156	LF		W14 x 82 A992/A36 Structural Column .....	183.15	23.78
			<i>For Hot Dip Galvanizing, Add</i>	43.79	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.48	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	36.63	
05 12 23 00-0157	LF		W14 x 74 A992/A36 Structural Column .....	165.29	23.18
			<i>For Hot Dip Galvanizing, Add</i>	39.03	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.88	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.06	
05 12 23 00-0158	LF		W14 x 68 A992/A36 Structural Column .....	154.33	22.82
			<i>For Hot Dip Galvanizing, Add</i>	36.09	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.89	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	30.87	
05 12 23 00-0159	LF		W14 x 61 A992/A36 Structural Column .....	140.65	22.23
			<i>For Hot Dip Galvanizing, Add</i>	32.46	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.66	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.13	
05 12 23 00-0160	LF		W14 x 53 A992/A36 Structural Column .....	128.04	21.63
			<i>For Hot Dip Galvanizing, Add</i>	29.13	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.52	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.61	
05 12 23 00-0161	LF		W14 x 48 A992/A36 Structural Column .....	119.90	21.27
			<i>For Hot Dip Galvanizing, Add</i>	26.97	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.79	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	23.98	
05 12 23 00-0162	LF		W14 x 43 A992/A36 Structural Column .....	108.11	20.90
			<i>For Hot Dip Galvanizing, Add</i>	23.83	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.73	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	21.62	
05 12 23 00-0163	LF		W12 x 336 A992/A36 Structural Column .....	745.35	31.40
			<i>For Hot Dip Galvanizing, Add</i>	197.55	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	67.08	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	149.07	
05 12 23 00-0164	LF		W12 x 305 A992/A36 Structural Column .....	679.01	30.77
			<i>For Hot Dip Galvanizing, Add</i>	179.32	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	61.11	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	135.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0165 LF W12 x 279 A992/A36 Structural Column .....	623.52	30.40
For Hot Dip Galvanizing, Add	164.03	
For High Strength Low Alloy A572-50 Steel, Add	56.12	
For High Strength Low Alloy A588 Grade B Steel, Add	124.70	
05 12 23 00-0166 LF W12 x 252 A992/A36 Structural Column .....	565.51	29.64
For Hot Dip Galvanizing, Add	148.16	
For High Strength Low Alloy A572-50 Steel, Add	50.90	
For High Strength Low Alloy A588 Grade B Steel, Add	113.10	
05 12 23 00-0167 LF W12 x 230 A992/A36 Structural Column .....	518.45	29.21
For Hot Dip Galvanizing, Add	135.23	
For High Strength Low Alloy A572-50 Steel, Add	46.66	
For High Strength Low Alloy A588 Grade B Steel, Add	103.69	
05 12 23 00-0168 LF W12 x 210 A992/A36 Structural Column .....	475.62	28.81
For Hot Dip Galvanizing, Add	123.47	
For High Strength Low Alloy A572-50 Steel, Add	42.81	
For High Strength Low Alloy A588 Grade B Steel, Add	95.12	
05 12 23 00-0169 LF W12 x 190 A992/A36 Structural Column .....	437.99	33.15
For Hot Dip Galvanizing, Add	111.71	
For High Strength Low Alloy A572-50 Steel, Add	39.42	
For High Strength Low Alloy A588 Grade B Steel, Add	87.60	
05 12 23 00-0170 LF W12 x 170 A992/A36 Structural Column .....	395.68	32.19
For Hot Dip Galvanizing, Add	100.30	
For High Strength Low Alloy A572-50 Steel, Add	35.61	
For High Strength Low Alloy A588 Grade B Steel, Add	79.14	
05 12 23 00-0171 LF W12 x 152 A992/A36 Structural Column .....	356.64	29.91
For Hot Dip Galvanizing, Add	90.13	
For High Strength Low Alloy A572-50 Steel, Add	32.10	
For High Strength Low Alloy A588 Grade B Steel, Add	71.33	
05 12 23 00-0172 LF W12 x 136 A992/A36 Structural Column .....	339.01	29.08
For Hot Dip Galvanizing, Add	85.47	
For High Strength Low Alloy A572-50 Steel, Add	30.51	
For High Strength Low Alloy A588 Grade B Steel, Add	67.80	
05 12 23 00-0173 LF W12 x 120 A992/A36 Structural Column .....	256.37	26.67
For Hot Dip Galvanizing, Add	63.21	
For High Strength Low Alloy A572-50 Steel, Add	23.07	
For High Strength Low Alloy A588 Grade B Steel, Add	51.27	
05 12 23 00-0174 LF W12 x 106 A992/A36 Structural Column .....	236.21	25.83
For Hot Dip Galvanizing, Add	57.91	
For High Strength Low Alloy A572-50 Steel, Add	21.26	
For High Strength Low Alloy A588 Grade B Steel, Add	47.24	
05 12 23 00-0175 LF W12 x 96 A992/A36 Structural Column .....	211.21	24.99
For Hot Dip Galvanizing, Add	51.24	
For High Strength Low Alloy A572-50 Steel, Add	19.01	
For High Strength Low Alloy A588 Grade B Steel, Add	42.24	
05 12 23 00-0176 LF W12 x 87 A992/A36 Structural Column .....	194.77	24.14
For Hot Dip Galvanizing, Add	46.88	
For High Strength Low Alloy A572-50 Steel, Add	17.53	
For High Strength Low Alloy A588 Grade B Steel, Add	38.95	
05 12 23 00-0177 LF W12 x 79 A992/A36 Structural Column .....	170.78	23.42
For Hot Dip Galvanizing, Add	40.46	
For High Strength Low Alloy A572-50 Steel, Add	15.37	
For High Strength Low Alloy A588 Grade B Steel, Add	34.16	
05 12 23 00-0178 LF W12 x 72 A992/A36 Structural Column .....	156.22	22.82
For Hot Dip Galvanizing, Add	36.58	
For High Strength Low Alloy A572-50 Steel, Add	14.06	
For High Strength Low Alloy A588 Grade B Steel, Add	31.24	
05 12 23 00-0179 LF W12 x 65 A992/A36 Structural Column .....	142.71	22.35
For Hot Dip Galvanizing, Add	33.00	
For High Strength Low Alloy A572-50 Steel, Add	12.84	
For High Strength Low Alloy A588 Grade B Steel, Add	28.54	
05 12 23 00-0180 LF W12 x 58 A992/A36 Structural Column .....	138.06	22.10
For Hot Dip Galvanizing, Add	31.78	
For High Strength Low Alloy A572-50 Steel, Add	12.43	
For High Strength Low Alloy A588 Grade B Steel, Add	27.61	
05 12 23 00-0181 LF W12 x 53 A992/A36 Structural Column .....	128.04	21.63
For Hot Dip Galvanizing, Add	29.13	
For High Strength Low Alloy A572-50 Steel, Add	11.52	
For High Strength Low Alloy A588 Grade B Steel, Add	25.61	
05 12 23 00-0182 LF W12 x 50 A992/A36 Structural Column .....	124.03	21.50
For Hot Dip Galvanizing, Add	28.05	
For High Strength Low Alloy A572-50 Steel, Add	11.16	
For High Strength Low Alloy A588 Grade B Steel, Add	24.81	
05 12 23 00-0183 LF W12 x 45 A992/A36 Structural Column .....	112.58	21.03
For Hot Dip Galvanizing, Add	25.01	
For High Strength Low Alloy A572-50 Steel, Add	10.13	
For High Strength Low Alloy A588 Grade B Steel, Add	22.52	
05 12 23 00-0184 LF W12 x 40 A992/A36 Structural Column .....	100.80	20.54
For Hot Dip Galvanizing, Add	21.87	
For High Strength Low Alloy A572-50 Steel, Add	9.07	
For High Strength Low Alloy A588 Grade B Steel, Add	20.16	
05 12 23 00-0185 LF W10 x 112 A992/A36 Structural Column .....	247.11	26.31
For Hot Dip Galvanizing, Add	60.81	
For High Strength Low Alloy A572-50 Steel, Add	22.24	
For High Strength Low Alloy A588 Grade B Steel, Add	49.42	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0186	LF	W10 x 110 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	223.41 54.53 20.11 44.68	25.23
05 12 23 00-0187	LF	W10 x 88 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	200.72 48.50 18.06 40.14	24.39
05 12 23 00-0188	LF	W10 x 77 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	178.38 42.57 16.05 35.68	23.42
05 12 23 00-0189	LF	W10 x 68 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	160.51 37.81 14.45 32.10	22.82
05 12 23 00-0190	LF	W10 x 60 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	140.65 32.46 12.66 28.13	22.23
05 12 23 00-0191	LF	W10 x 54 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	139.70 32.27 12.57 27.94	21.86
05 12 23 00-0192	LF	W10 x 49 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	122.49 27.66 11.02 24.50	21.50
05 12 23 00-0193	LF	W10 x 45 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	118.19 26.53 10.64 23.64	21.14
05 12 23 00-0194	LF	W10 x 39 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	102.68 22.36 9.24 20.54	20.78
05 12 23 00-0195	LF	W10 x 33 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	89.36 18.83 8.04 17.87	20.18
05 12 23 00-0196	LF	W8 x 67 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	154.51 36.14 13.91 30.90	22.82
05 12 23 00-0197	LF	W8 x 58 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	138.59 31.92 12.47 27.72	22.10
05 12 23 00-0198	LF	W8 x 48 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	123.90 28.05 11.15 24.78	21.50
05 12 23 00-0199	LF	W8 x 40 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	106.17 23.29 9.56 21.23	20.90
05 12 23 00-0200	LF	W8 x 35 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	95.78 20.55 8.62 19.16	20.42
05 12 23 00-0201	LF	W8 x 31 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	87.41 18.29 7.87 17.48	20.18
05 12 23 00-0202	LF	W8 x 28 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	82.24 16.92 7.40 16.45	19.94
05 12 23 00-0203	LF	W8 x 24 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	75.99 15.25 6.84 15.20	19.70
05 12 23 00-0204	LF	W8 x 21 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	71.85 14.17 6.47 14.37	19.58
05 12 23 00-0205	LF	W8 x 18 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	64.01 12.06 5.76 12.80	19.22
05 12 23 00-0206	LF	W6 x 25 A992/A36	Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	79.87 16.33 7.19 15.97	19.70





<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0207 LF W6 x 20 A992/A36 Structural Column .....	67.32	19.35
For Hot Dip Galvanizing, Add	12.95	
For High Strength Low Alloy A572-50 Steel, Add	6.06	
For High Strength Low Alloy A588 Grade B Steel, Add	13.46	
05 12 23 00-0208 LF W6 x 15 A992/A36 Structural Column .....	57.52	18.74
For Hot Dip Galvanizing, Add	10.40	
For High Strength Low Alloy A572-50 Steel, Add	5.18	
For High Strength Low Alloy A588 Grade B Steel, Add	11.50	
05 12 23 00-0209 LF W6 x 12 A992/A36 Structural Column .....	53.81	18.74
For Hot Dip Galvanizing, Add	9.37	
For High Strength Low Alloy A572-50 Steel, Add	4.84	
For High Strength Low Alloy A588 Grade B Steel, Add	10.76	
05 12 23 00-0210 LF W6 x 9 A992/A36 Structural Column .....	49.10	18.62
For Hot Dip Galvanizing, Add	8.09	
For High Strength Low Alloy A572-50 Steel, Add	4.42	
For High Strength Low Alloy A588 Grade B Steel, Add	9.82	
05 12 23 00-0211 LF W5 x 19 A992/A36 Structural Column .....	66.26	19.35
For Hot Dip Galvanizing, Add	12.65	
For High Strength Low Alloy A572-50 Steel, Add	5.96	
For High Strength Low Alloy A588 Grade B Steel, Add	13.25	
05 12 23 00-0212 LF W5 x 16 A992/A36 Structural Column .....	60.89	19.22
For Hot Dip Galvanizing, Add	11.23	
For High Strength Low Alloy A572-50 Steel, Add	5.48	
For High Strength Low Alloy A588 Grade B Steel, Add	12.18	
05 12 23 00-0213 LF W4 x 13 A992/A36 Structural Column .....	56.94	18.99
For Hot Dip Galvanizing, Add	10.20	
For High Strength Low Alloy A572-50 Steel, Add	5.12	
For High Strength Low Alloy A588 Grade B Steel, Add	11.39	
<b>05 12 23 00-0214 A992/A36 Structural Steel Beams And Girders, W Shapes</b> (05 12 23 00-0133)		
Note: Includes material delivery and erection.		
05 12 23 00-0215 LF W36 x 300 A992/A36 Structural Beam Or Girder .....	584.09	77.21
For Hot Dip Galvanizing, Add	139.23	
For High Strength Low Alloy A572-50 Steel, Add	52.57	
For High Strength Low Alloy A588 Steel, Add	116.82	
For Each Additional Top Copes >2, Add	5.02	
For Structural Tees, WT, MT Or ST, Deduct	-192.08	
For Skewed Or Sloped Connections, Add	70.09	
05 12 23 00-0216 LF W36 x 280 A992/A36 Structural Beam Or Girder .....	564.39	90.10
For Hot Dip Galvanizing, Add	129.95	
For High Strength Low Alloy A572-50 Steel, Add	50.80	
For High Strength Low Alloy A588 Steel, Add	112.88	
For Each Additional Top Copes >2, Add	4.68	
For Structural Tees, WT, MT Or ST, Deduct	-183.12	
For Skewed Or Sloped Connections, Add	67.73	
05 12 23 00-0217 LF W36 x 260 A992/A36 Structural Beam Or Girder .....	534.08	89.02
For Hot Dip Galvanizing, Add	121.87	
For High Strength Low Alloy A572-50 Steel, Add	48.07	
For High Strength Low Alloy A588 Steel, Add	106.82	
For Each Additional Top Copes >2, Add	4.39	
For Structural Tees, WT, MT Or ST, Deduct	-172.69	
For Skewed Or Sloped Connections, Add	64.09	
05 12 23 00-0218 LF W36 x 240 A992/A36 Structural Beam Or Girder .....	496.45	74.42
For Hot Dip Galvanizing, Add	115.74	
For High Strength Low Alloy A572-50 Steel, Add	44.68	
For High Strength Low Alloy A588 Steel, Add	99.29	
For Each Additional Top Copes >2, Add	4.17	
For Structural Tees, WT, MT Or ST, Deduct	-161.85	
For Skewed Or Sloped Connections, Add	59.57	
05 12 23 00-0219 LF W36 x 230 A992/A36 Structural Beam Or Girder .....	480.20	75.48
For Hot Dip Galvanizing, Add	110.92	
For High Strength Low Alloy A572-50 Steel, Add	43.22	
For High Strength Low Alloy A588 Steel, Add	96.04	
For Each Additional Top Copes >2, Add	4.00	
For Structural Tees, WT, MT Or ST, Deduct	-156.00	
For Skewed Or Sloped Connections, Add	57.62	
05 12 23 00-0220 LF W36 x 210 A992/A36 Structural Beam Or Girder .....	456.84	86.14
For Hot Dip Galvanizing, Add	101.27	
For High Strength Low Alloy A572-50 Steel, Add	41.12	
For High Strength Low Alloy A588 Steel, Add	91.37	
For Each Additional Top Copes >2, Add	3.65	
For Structural Tees, WT, MT Or ST, Deduct	-146.11	
For Skewed Or Sloped Connections, Add	54.82	
05 12 23 00-0221 LF W36 x 194 A992/A36 Structural Beam Or Girder .....	429.46	72.18
For Hot Dip Galvanizing, Add	97.81	
For High Strength Low Alloy A572-50 Steel, Add	38.65	
For High Strength Low Alloy A588 Steel, Add	85.89	
For Each Additional Top Copes >2, Add	3.52	
For Structural Tees, WT, MT Or ST, Deduct	-138.76	
For Skewed Or Sloped Connections, Add	51.54	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0222	LF		W36 x 182 A992/A36 Structural Beam Or Girder.....	407.09	71.65
			<i>For Hot Dip Galvanizing, Add</i>	91.76	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	36.64	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	81.42	
			<i>For Each Additional Top Copes &gt;2, Add</i>	3.31	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-131.02	
			<i>For Skewed Or Sloped Connections, Add</i>	48.85	
05 12 23 00-0223	LF		W36 x 170 A992/A36 Structural Beam Or Girder.....	384.42	70.83
			<i>For Hot Dip Galvanizing, Add</i>	85.71	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	34.60	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	76.88	
			<i>For Each Additional Top Copes &gt;2, Add</i>	3.09	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-123.21	
			<i>For Skewed Or Sloped Connections, Add</i>	46.13	
05 12 23 00-0224	LF		W36 x 160 A992/A36 Structural Beam Or Girder.....	379.60	83.37
			<i>For Hot Dip Galvanizing, Add</i>	80.67	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	34.16	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	75.92	
			<i>For Each Additional Top Copes &gt;2, Add</i>	2.91	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-119.53	
			<i>For Skewed Or Sloped Connections, Add</i>	45.55	
05 12 23 00-0225	LF		W36 x 150 A992/A36 Structural Beam Or Girder.....	363.76	82.77
			<i>For Hot Dip Galvanizing, Add</i>	76.44	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	32.74	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	72.75	
			<i>For Each Additional Top Copes &gt;2, Add</i>	2.75	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-114.07	
			<i>For Skewed Or Sloped Connections, Add</i>	43.65	
05 12 23 00-0226	LF		W36 x 135 A992/A36 Structural Beam Or Girder.....	341.63	82.05
			<i>For Hot Dip Galvanizing, Add</i>	70.53	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	30.75	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	68.33	
			<i>For Each Additional Top Copes &gt;2, Add</i>	2.54	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-106.45	
			<i>For Skewed Or Sloped Connections, Add</i>	41.00	
05 12 23 00-0227	LF		W33 x 241 A992/A36 Structural Beam Or Girder.....	502.57	76.76
			<i>For Hot Dip Galvanizing, Add</i>	116.74	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	45.23	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	100.51	
			<i>For Each Additional Top Copes &gt;2, Add</i>	4.21	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-163.62	
			<i>For Skewed Or Sloped Connections, Add</i>	60.31	
05 12 23 00-0228	LF		W33 x 221 A992/A36 Structural Beam Or Girder.....	465.65	74.87
			<i>For Hot Dip Galvanizing, Add</i>	107.06	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	41.91	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	93.13	
			<i>For Each Additional Top Copes &gt;2, Add</i>	3.86	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-151.00	
			<i>For Skewed Or Sloped Connections, Add</i>	55.88	
05 12 23 00-0229	LF		W33 x 201 A992/A36 Structural Beam Or Girder.....	442.17	85.54
			<i>For Hot Dip Galvanizing, Add</i>	97.37	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	39.80	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	88.43	
			<i>For Each Additional Top Copes &gt;2, Add</i>	3.51	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-141.06	
			<i>For Skewed Or Sloped Connections, Add</i>	53.06	
05 12 23 00-0230	LF		W33 x 170 A992/A36 Structural Beam Or Girder.....	396.61	83.98
			<i>For Hot Dip Galvanizing, Add</i>	85.22	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	35.69	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	79.32	
			<i>For Each Additional Top Copes &gt;2, Add</i>	3.07	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-125.39	
			<i>For Skewed Or Sloped Connections, Add</i>	47.59	
05 12 23 00-0231	LF		W33 x 152 A992/A36 Structural Beam Or Girder.....	359.21	70.60
			<i>For Hot Dip Galvanizing, Add</i>	78.78	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	32.33	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	71.84	
			<i>For Each Additional Top Copes &gt;2, Add</i>	2.84	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-114.43	
			<i>For Skewed Or Sloped Connections, Add</i>	43.11	
05 12 23 00-0232	LF		W33 x 141 A992/A36 Structural Beam Or Girder.....	351.17	82.30
			<i>For Hot Dip Galvanizing, Add</i>	73.08	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	31.61	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	70.23	
			<i>For Each Additional Top Copes &gt;2, Add</i>	2.63	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-109.74	
			<i>For Skewed Or Sloped Connections, Add</i>	42.14	
05 12 23 00-0233	LF		W33 x 130 A992/A36 Structural Beam Or Girder.....	333.27	81.69
			<i>For Hot Dip Galvanizing, Add</i>	68.31	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	29.99	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	66.65	
			<i>For Each Additional Top Copes &gt;2, Add</i>	2.46	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-103.58	
			<i>For Skewed Or Sloped Connections, Add</i>	39.99	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0234 LF W33 x 118 A992/A36 Structural Beam Or Girder .....	312.41	80.97
For Hot Dip Galvanizing, Add	62.73	
For High Strength Low Alloy A572-50 Steel, Add	28.12	
For High Strength Low Alloy A588 Steel, Add	62.48	
For Each Additional Top Copes >2, Add	2.26	
For Structural Tees, WT, MT Or ST, Deduct	-96.39	
For Skewed Or Sloped Connections, Add	37.49	
05 12 23 00-0235 LF W30 x 211 A992/A36 Structural Beam Or Girder .....	446.17	74.73
For Hot Dip Galvanizing, Add	101.69	
For High Strength Low Alloy A572-50 Steel, Add	40.16	
For High Strength Low Alloy A588 Steel, Add	89.23	
For Each Additional Top Copes >2, Add	3.66	
For Structural Tees, WT, MT Or ST, Deduct	-144.20	
For Skewed Or Sloped Connections, Add	53.54	
05 12 23 00-0236 LF W30 x 191 A992/A36 Structural Beam Or Girder .....	422.44	84.94
For Hot Dip Galvanizing, Add	92.06	
For High Strength Low Alloy A572-50 Steel, Add	38.02	
For High Strength Low Alloy A588 Steel, Add	84.49	
For Each Additional Top Copes >2, Add	3.32	
For Structural Tees, WT, MT Or ST, Deduct	-134.25	
For Skewed Or Sloped Connections, Add	50.69	
05 12 23 00-0237 LF W30 x 173 A992/A36 Structural Beam Or Girder .....	385.74	71.32
For Hot Dip Galvanizing, Add	85.93	
For High Strength Low Alloy A572-50 Steel, Add	34.72	
For High Strength Low Alloy A588 Steel, Add	77.15	
For Each Additional Top Copes >2, Add	3.10	
For Structural Tees, WT, MT Or ST, Deduct	-123.60	
For Skewed Or Sloped Connections, Add	46.29	
05 12 23 00-0238 LF W30 x 154 A992/A36 Structural Beam Or Girder .....	364.07	82.90
For Hot Dip Galvanizing, Add	76.50	
For High Strength Low Alloy A572-50 Steel, Add	32.77	
For High Strength Low Alloy A588 Steel, Add	72.81	
For Each Additional Top Copes >2, Add	2.76	
For Structural Tees, WT, MT Or ST, Deduct	-114.16	
For Skewed Or Sloped Connections, Add	43.69	
05 12 23 00-0239 LF W30 x 132 A992/A36 Structural Beam Or Girder .....	323.28	68.81
For Hot Dip Galvanizing, Add	69.34	
For High Strength Low Alloy A572-50 Steel, Add	29.10	
For High Strength Low Alloy A588 Steel, Add	64.66	
For Each Additional Top Copes >2, Add	2.50	
For Structural Tees, WT, MT Or ST, Deduct	-102.14	
For Skewed Or Sloped Connections, Add	38.79	
05 12 23 00-0240 LF W30 x 124 A992/A36 Structural Beam Or Girder .....	308.09	68.77
For Hot Dip Galvanizing, Add	65.14	
For High Strength Low Alloy A572-50 Steel, Add	27.73	
For High Strength Low Alloy A588 Steel, Add	61.62	
For Each Additional Top Copes >2, Add	2.35	
For Structural Tees, WT, MT Or ST, Deduct	-96.83	
For Skewed Or Sloped Connections, Add	36.97	
05 12 23 00-0241 LF W30 x 116 A992/A36 Structural Beam Or Girder .....	305.85	80.85
For Hot Dip Galvanizing, Add	60.94	
For High Strength Low Alloy A572-50 Steel, Add	27.53	
For High Strength Low Alloy A588 Steel, Add	61.17	
For Each Additional Top Copes >2, Add	2.20	
For Structural Tees, WT, MT Or ST, Deduct	-94.11	
For Skewed Or Sloped Connections, Add	36.70	
05 12 23 00-0242 LF W30 x 108 A992/A36 Structural Beam Or Girder .....	283.12	72.80
For Hot Dip Galvanizing, Add	57.03	
For High Strength Low Alloy A572-50 Steel, Add	25.48	
For High Strength Low Alloy A588 Steel, Add	56.62	
For Each Additional Top Copes >2, Add	2.06	
For Structural Tees, WT, MT Or ST, Deduct	-87.45	
For Skewed Or Sloped Connections, Add	33.97	
05 12 23 00-0243 LF W30 x 99 A992/A36 Structural Beam Or Girder .....	270.34	72.44
For Hot Dip Galvanizing, Add	53.62	
For High Strength Low Alloy A572-50 Steel, Add	24.33	
For High Strength Low Alloy A588 Steel, Add	54.07	
For Each Additional Top Copes >2, Add	1.93	
For Structural Tees, WT, MT Or ST, Deduct	-83.05	
For Skewed Or Sloped Connections, Add	32.44	
05 12 23 00-0244 LF W27 x 178 A992/A36 Structural Beam Or Girder .....	428.29	83.50
For Hot Dip Galvanizing, Add	94.13	
For High Strength Low Alloy A572-50 Steel, Add	38.55	
For High Strength Low Alloy A588 Steel, Add	85.66	
For Each Additional Top Copes >2, Add	3.39	
For Structural Tees, WT, MT Or ST, Deduct	-136.54	
For Skewed Or Sloped Connections, Add	51.39	
05 12 23 00-0245 LF W27 x 161 A992/A36 Structural Beam Or Girder .....	392.54	80.36
For Hot Dip Galvanizing, Add	85.15	
For High Strength Low Alloy A572-50 Steel, Add	35.33	
For High Strength Low Alloy A588 Steel, Add	78.51	
For Each Additional Top Copes >2, Add	3.07	
For Structural Tees, WT, MT Or ST, Deduct	-124.53	
For Skewed Or Sloped Connections, Add	47.10	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0246	LF		W27 x 146 A992/A36 Structural Beam Or Girder.....	360.92	77.51
			<i>For Hot Dip Galvanizing, Add</i>	77.21	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	32.48	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	72.18	
			<i>For Each Additional Top Copes &gt;2, Add</i>	2.78	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-113.92	
			<i>For Skewed Or Sloped Connections, Add</i>	43.31	
05 12 23 00-0247	LF		W27 x 114 A992/A36 Structural Beam Or Girder.....	285.94	64.39
			<i>For Hot Dip Galvanizing, Add</i>	60.29	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	25.73	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	57.19	
			<i>For Each Additional Top Copes &gt;2, Add</i>	2.17	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-89.78	
			<i>For Skewed Or Sloped Connections, Add</i>	34.31	
05 12 23 00-0248	LF		W27 x 102 A992/A36 Structural Beam Or Girder.....	271.63	72.44
			<i>For Hot Dip Galvanizing, Add</i>	53.94	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	24.45	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	54.33	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.94	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-83.48	
			<i>For Skewed Or Sloped Connections, Add</i>	32.60	
05 12 23 00-0249	LF		W27 x 94 A992/A36 Structural Beam Or Girder .....	259.63	71.96
			<i>For Hot Dip Galvanizing, Add</i>	50.74	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	23.37	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	51.93	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.83	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-79.36	
			<i>For Skewed Or Sloped Connections, Add</i>	31.16	
05 12 23 00-0250	LF		W27 x 84 A992/A36 Structural Beam Or Girder .....	244.96	71.48
			<i>For Hot Dip Galvanizing, Add</i>	46.84	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.05	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	48.99	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.69	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-74.31	
			<i>For Skewed Or Sloped Connections, Add</i>	29.40	
05 12 23 00-0251	LF		W24 x 162 A992/A36 Structural Beam Or Girder.....	378.12	77.04
			<i>For Hot Dip Galvanizing, Add</i>	82.13	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	34.03	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	75.62	
			<i>For Each Additional Top Copes &gt;2, Add</i>	2.96	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-120.02	
			<i>For Skewed Or Sloped Connections, Add</i>	45.37	
05 12 23 00-0252	LF		W24 x 146 A992/A36 Structural Beam Or Girder.....	345.50	73.85
			<i>For Hot Dip Galvanizing, Add</i>	74.01	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	31.10	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	69.10	
			<i>For Each Additional Top Copes &gt;2, Add</i>	2.67	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-109.11	
			<i>For Skewed Or Sloped Connections, Add</i>	41.46	
05 12 23 00-0253	LF		W24 x 131 A992/A36 Structural Beam Or Girder.....	314.51	70.50
			<i>For Hot Dip Galvanizing, Add</i>	66.41	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	28.31	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	62.90	
			<i>For Each Additional Top Copes &gt;2, Add</i>	2.39	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-98.80	
			<i>For Skewed Or Sloped Connections, Add</i>	37.74	
05 12 23 00-0254	LF		W24 x 117 A992/A36 Structural Beam Or Girder.....	285.18	66.98
			<i>For Hot Dip Galvanizing, Add</i>	59.31	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	25.67	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	57.04	
			<i>For Each Additional Top Copes &gt;2, Add</i>	2.14	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-89.10	
			<i>For Skewed Or Sloped Connections, Add</i>	34.22	
05 12 23 00-0255	LF		W24 x 104 A992/A36 Structural Beam Or Girder.....	257.55	63.34
			<i>For Hot Dip Galvanizing, Add</i>	52.72	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	23.18	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	51.51	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.90	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-80.01	
			<i>For Skewed Or Sloped Connections, Add</i>	30.91	
05 12 23 00-0256	LF		W24 x 94 A992/A36 Structural Beam Or Girder .....	248.49	71.96
			<i>For Hot Dip Galvanizing, Add</i>	47.65	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.36	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	49.70	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.72	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-75.46	
			<i>For Skewed Or Sloped Connections, Add</i>	29.82	
05 12 23 00-0257	LF		W24 x 84 A992/A36 Structural Beam Or Girder .....	226.76	63.79
			<i>For Hot Dip Galvanizing, Add</i>	44.02	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.41	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	45.35	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.59	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-69.15	
			<i>For Skewed Or Sloped Connections, Add</i>	27.21	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0258 LF W24 x 76 A992/A36 Structural Beam Or Girder .....	215.52	63.31
For Hot Dip Galvanizing, Add	41.04	
For High Strength Low Alloy A572-50 Steel, Add	19.40	
For High Strength Low Alloy A588 Steel, Add	43.10	
For Each Additional Top Copes >2, Add	1.48	
For Structural Tees, WT, MT Or ST, Deduct	-65.29	
For Skewed Or Sloped Connections, Add	25.86	
05 12 23 00-0259 LF W24 x 68 A992/A36 Structural Beam Or Girder .....	201.37	62.95
For Hot Dip Galvanizing, Add	37.24	
For High Strength Low Alloy A572-50 Steel, Add	18.12	
For High Strength Low Alloy A588 Steel, Add	40.27	
For Each Additional Top Copes >2, Add	1.34	
For Structural Tees, WT, MT Or ST, Deduct	-60.41	
For Skewed Or Sloped Connections, Add	24.16	
05 12 23 00-0260 LF W24 x 62 A992/A36 Structural Beam Or Girder .....	193.98	62.59
For Hot Dip Galvanizing, Add	35.29	
For High Strength Low Alloy A572-50 Steel, Add	17.46	
For High Strength Low Alloy A588 Steel, Add	38.80	
For Each Additional Top Copes >2, Add	1.27	
For Structural Tees, WT, MT Or ST, Deduct	-57.87	
For Skewed Or Sloped Connections, Add	23.28	
05 12 23 00-0261 LF W24 x 55 A992/A36 Structural Beam Or Girder .....	183.84	62.35
For Hot Dip Galvanizing, Add	32.58	
For High Strength Low Alloy A572-50 Steel, Add	16.55	
For High Strength Low Alloy A588 Steel, Add	36.77	
For Each Additional Top Copes >2, Add	1.17	
For Structural Tees, WT, MT Or ST, Deduct	-54.38	
For Skewed Or Sloped Connections, Add	22.06	
05 12 23 00-0262 LF W21 x 147 A992/A36 Structural Beam Or Girder .....	331.30	63.35
For Hot Dip Galvanizing, Add	73.18	
For High Strength Low Alloy A572-50 Steel, Add	29.82	
For High Strength Low Alloy A588 Steel, Add	66.26	
For Each Additional Top Copes >2, Add	2.64	
For Structural Tees, WT, MT Or ST, Deduct	-105.82	
For Skewed Or Sloped Connections, Add	39.76	
05 12 23 00-0263 LF W21 x 132 A992/A36 Structural Beam Or Girder .....	301.37	60.53
For Hot Dip Galvanizing, Add	65.71	
For High Strength Low Alloy A572-50 Steel, Add	27.12	
For High Strength Low Alloy A588 Steel, Add	60.27	
For Each Additional Top Copes >2, Add	2.37	
For Structural Tees, WT, MT Or ST, Deduct	-95.80	
For Skewed Or Sloped Connections, Add	36.16	
05 12 23 00-0264 LF W21 x 122 A992/A36 Structural Beam Or Girder .....	282.34	59.51
For Hot Dip Galvanizing, Add	60.74	
For High Strength Low Alloy A572-50 Steel, Add	25.41	
For High Strength Low Alloy A588 Steel, Add	56.47	
For Each Additional Top Copes >2, Add	2.19	
For Structural Tees, WT, MT Or ST, Deduct	-89.30	
For Skewed Or Sloped Connections, Add	33.88	
05 12 23 00-0265 LF W21 x 111 A992/A36 Structural Beam Or Girder .....	260.58	57.60
For Hot Dip Galvanizing, Add	55.26	
For High Strength Low Alloy A572-50 Steel, Add	23.45	
For High Strength Low Alloy A588 Steel, Add	52.12	
For Each Additional Top Copes >2, Add	1.99	
For Structural Tees, WT, MT Or ST, Deduct	-81.99	
For Skewed Or Sloped Connections, Add	31.27	
05 12 23 00-0266 LF W21 x 101 A992/A36 Structural Beam Or Girder .....	240.66	55.76
For Hot Dip Galvanizing, Add	50.28	
For High Strength Low Alloy A572-50 Steel, Add	21.66	
For High Strength Low Alloy A588 Steel, Add	48.13	
For Each Additional Top Copes >2, Add	1.81	
For Structural Tees, WT, MT Or ST, Deduct	-75.31	
For Skewed Or Sloped Connections, Add	28.88	
05 12 23 00-0267 LF W21 x 93 A992/A36 Structural Beam Or Girder .....	235.67	64.51
For Hot Dip Galvanizing, Add	46.30	
For High Strength Low Alloy A572-50 Steel, Add	21.21	
For High Strength Low Alloy A588 Steel, Add	47.13	
For Each Additional Top Copes >2, Add	1.67	
For Structural Tees, WT, MT Or ST, Deduct	-72.16	
For Skewed Or Sloped Connections, Add	28.28	
05 12 23 00-0268 LF W21 x 83 A992/A36 Structural Beam Or Girder .....	222.46	63.79
For Hot Dip Galvanizing, Add	42.83	
For High Strength Low Alloy A572-50 Steel, Add	20.02	
For High Strength Low Alloy A588 Steel, Add	44.49	
For Each Additional Top Copes >2, Add	1.54	
For Structural Tees, WT, MT Or ST, Deduct	-67.64	
For Skewed Or Sloped Connections, Add	26.70	
05 12 23 00-0269 LF W21 x 73 A992/A36 Structural Beam Or Girder .....	206.22	63.31
For Hot Dip Galvanizing, Add	38.49	
For High Strength Low Alloy A572-50 Steel, Add	18.56	
For High Strength Low Alloy A588 Steel, Add	41.24	
For Each Additional Top Copes >2, Add	1.39	
For Structural Tees, WT, MT Or ST, Deduct	-62.05	
For Skewed Or Sloped Connections, Add	24.75	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0270	LF		W21 x 68 A992/A36 Structural Beam Or Girder .....	198.05	62.95
			<i>For Hot Dip Galvanizing, Add</i>	36.32	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.82	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	39.61	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.31	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-59.24	
			<i>For Skewed Or Sloped Connections, Add</i>	23.77	
05 12 23 00-0271	LF		W21 x 62 A992/A36 Structural Beam Or Girder .....	190.66	62.59
			<i>For Hot Dip Galvanizing, Add</i>	34.37	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.16	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	38.13	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.24	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-56.71	
			<i>For Skewed Or Sloped Connections, Add</i>	22.88	
05 12 23 00-0272	LF		W21 x 57 A992/A36 Structural Beam Or Girder .....	183.96	62.47
			<i>For Hot Dip Galvanizing, Add</i>	32.58	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.56	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	36.79	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.17	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-54.40	
			<i>For Skewed Or Sloped Connections, Add</i>	22.08	
05 12 23 00-0273	LF		W21 x 50 A992/A36 Structural Beam Or Girder .....	163.20	54.18
			<i>For Hot Dip Galvanizing, Add</i>	29.22	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.69	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	32.64	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.05	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-48.44	
			<i>For Skewed Or Sloped Connections, Add</i>	19.58	
05 12 23 00-0274	LF		W21 x 44 A992/A36 Structural Beam Or Girder .....	155.42	53.94
			<i>For Hot Dip Galvanizing, Add</i>	27.16	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.99	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	31.08	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.98	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-45.77	
			<i>For Skewed Or Sloped Connections, Add</i>	18.65	
05 12 23 00-0275	LF		W18 x 119 A992/A36 Structural Beam Or Girder.....	274.41	59.31
			<i>For Hot Dip Galvanizing, Add</i>	58.59	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	24.70	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	54.88	
			<i>For Each Additional Top Copes &gt;2, Add</i>	2.11	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-86.55	
			<i>For Skewed Or Sloped Connections, Add</i>	32.93	
05 12 23 00-0276	LF		W18 x 106 A992/A36 Structural Beam Or Girder.....	248.02	56.20
			<i>For Hot Dip Galvanizing, Add</i>	52.19	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.32	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	49.60	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.88	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-77.82	
			<i>For Skewed Or Sloped Connections, Add</i>	29.76	
05 12 23 00-0277	LF		W18 x 97 A992/A36 Structural Beam Or Girder .....	241.08	64.51
			<i>For Hot Dip Galvanizing, Add</i>	47.76	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	21.70	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	48.22	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.72	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-74.03	
			<i>For Skewed Or Sloped Connections, Add</i>	28.93	
05 12 23 00-0278	LF		W18 x 86 A992/A36 Structural Beam Or Girder .....	225.89	63.91
			<i>For Hot Dip Galvanizing, Add</i>	43.75	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.33	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	45.18	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.58	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-68.83	
			<i>For Skewed Or Sloped Connections, Add</i>	27.11	
05 12 23 00-0279	LF		W18 x 76 A992/A36 Structural Beam Or Girder .....	212.20	63.31
			<i>For Hot Dip Galvanizing, Add</i>	40.12	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.10	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	42.44	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.45	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-64.13	
			<i>For Skewed Or Sloped Connections, Add</i>	25.46	
05 12 23 00-0280	LF		W18 x 71 A992/A36 Structural Beam Or Girder .....	202.20	63.19
			<i>For Hot Dip Galvanizing, Add</i>	37.41	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	18.20	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	40.44	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.35	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-60.66	
			<i>For Skewed Or Sloped Connections, Add</i>	24.26	
05 12 23 00-0281	LF		W18 x 65 A992/A36 Structural Beam Or Girder .....	192.46	62.95
			<i>For Hot Dip Galvanizing, Add</i>	34.80	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.32	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	38.49	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.25	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-57.31	
			<i>For Skewed Or Sloped Connections, Add</i>	23.10	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0282 LF W18 x 60 A992/A36 Structural Beam Or Girder .....	183.69	62.47
For Hot Dip Galvanizing, Add	32.47	
For High Strength Low Alloy A572-50 Steel, Add	16.53	
For High Strength Low Alloy A588 Steel, Add	36.74	
For Each Additional Top Copes >2, Add	1.17	
For Structural Tees, WT, MT Or ST, Deduct	-54.29	
For Skewed Or Sloped Connections, Add	22.04	
05 12 23 00-0283 LF W18 x 55 A992/A36 Structural Beam Or Girder .....	174.86	62.35
For Hot Dip Galvanizing, Add	30.09	
For High Strength Low Alloy A572-50 Steel, Add	15.74	
For High Strength Low Alloy A588 Steel, Add	34.97	
For Each Additional Top Copes >2, Add	1.08	
For Structural Tees, WT, MT Or ST, Deduct	-51.24	
For Skewed Or Sloped Connections, Add	20.98	
05 12 23 00-0284 LF W18 x 50 A992/A36 Structural Beam Or Girder .....	157.73	54.18
For Hot Dip Galvanizing, Add	27.70	
For High Strength Low Alloy A572-50 Steel, Add	14.20	
For High Strength Low Alloy A588 Steel, Add	31.55	
For Each Additional Top Copes >2, Add	1.00	
For Structural Tees, WT, MT Or ST, Deduct	-46.52	
For Skewed Or Sloped Connections, Add	18.93	
05 12 23 00-0285 LF W18 x 46 A992/A36 Structural Beam Or Girder .....	150.86	54.06
For Hot Dip Galvanizing, Add	25.86	
For High Strength Low Alloy A572-50 Steel, Add	13.58	
For High Strength Low Alloy A588 Steel, Add	30.17	
For Each Additional Top Copes >2, Add	0.93	
For Structural Tees, WT, MT Or ST, Deduct	-44.15	
For Skewed Or Sloped Connections, Add	18.10	
05 12 23 00-0286 LF W18 x 40 A992/A36 Structural Beam Or Girder .....	132.09	46.13
For Hot Dip Galvanizing, Add	22.99	
For High Strength Low Alloy A572-50 Steel, Add	11.89	
For High Strength Low Alloy A588 Steel, Add	26.42	
For Each Additional Top Copes >2, Add	0.83	
For Structural Tees, WT, MT Or ST, Deduct	-38.84	
For Skewed Or Sloped Connections, Add	15.85	
05 12 23 00-0287 LF W18 x 35 A992/A36 Structural Beam Or Girder .....	123.44	46.01
For Hot Dip Galvanizing, Add	20.65	
For High Strength Low Alloy A572-50 Steel, Add	11.11	
For High Strength Low Alloy A588 Steel, Add	24.69	
For Each Additional Top Copes >2, Add	0.74	
For Structural Tees, WT, MT Or ST, Deduct	-35.85	
For Skewed Or Sloped Connections, Add	14.81	
05 12 23 00-0288 LF W16 x 100 A992/A36 Structural Beam Or Girder .....	229.70	41.92
For Hot Dip Galvanizing, Add	51.34	
For High Strength Low Alloy A572-50 Steel, Add	20.67	
For High Strength Low Alloy A588 Steel, Add	45.94	
For Each Additional Top Copes >2, Add	1.85	
For Structural Tees, WT, MT Or ST, Deduct	-73.69	
For Skewed Or Sloped Connections, Add	27.56	
05 12 23 00-0289 LF W16 x 89 A992/A36 Structural Beam Or Girder .....	210.22	41.21
For Hot Dip Galvanizing, Add	46.13	
For High Strength Low Alloy A572-50 Steel, Add	18.92	
For High Strength Low Alloy A588 Steel, Add	42.04	
For Each Additional Top Copes >2, Add	1.66	
For Structural Tees, WT, MT Or ST, Deduct	-66.98	
For Skewed Or Sloped Connections, Add	25.23	
05 12 23 00-0290 LF W16 x 77 A992/A36 Structural Beam Or Girder .....	189.31	40.73
For Hot Dip Galvanizing, Add	40.50	
For High Strength Low Alloy A572-50 Steel, Add	17.04	
For High Strength Low Alloy A588 Steel, Add	37.86	
For Each Additional Top Copes >2, Add	1.46	
For Structural Tees, WT, MT Or ST, Deduct	-59.75	
For Skewed Or Sloped Connections, Add	22.72	
05 12 23 00-0291 LF W16 x 67 A992/A36 Structural Beam Or Girder .....	171.51	40.13
For Hot Dip Galvanizing, Add	35.73	
For High Strength Low Alloy A572-50 Steel, Add	15.44	
For High Strength Low Alloy A588 Steel, Add	34.30	
For Each Additional Top Copes >2, Add	1.29	
For Structural Tees, WT, MT Or ST, Deduct	-53.61	
For Skewed Or Sloped Connections, Add	20.58	
05 12 23 00-0292 LF W16 x 57 A992/A36 Structural Beam Or Girder .....	153.92	39.53
For Hot Dip Galvanizing, Add	31.01	
For High Strength Low Alloy A572-50 Steel, Add	13.85	
For High Strength Low Alloy A588 Steel, Add	30.78	
For Each Additional Top Copes >2, Add	1.12	
For Structural Tees, WT, MT Or ST, Deduct	-47.55	
For Skewed Or Sloped Connections, Add	18.47	
05 12 23 00-0293 LF W16 x 50 A992/A36 Structural Beam Or Girder .....	141.64	39.17
For Hot Dip Galvanizing, Add	27.70	
For High Strength Low Alloy A572-50 Steel, Add	12.75	
For High Strength Low Alloy A588 Steel, Add	28.33	
For Each Additional Top Copes >2, Add	1.00	
For Structural Tees, WT, MT Or ST, Deduct	-43.30	
For Skewed Or Sloped Connections, Add	17.00	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0294 LF W16 x 45 A992/A36 Structural Beam Or Girder .....	132.99	38.92
For Hot Dip Galvanizing, Add	25.37	
For High Strength Low Alloy A572-50 Steel, Add	11.97	
For High Strength Low Alloy A588 Steel, Add	26.60	
For Each Additional Top Copes >2, Add	0.91	
For Structural Tees, WT, MT Or ST, Deduct	-40.31	
For Skewed Or Sloped Connections, Add	15.96	
05 12 23 00-0295 LF W16 x 40 A992/A36 Structural Beam Or Girder .....	124.04	38.56
For Hot Dip Galvanizing, Add	22.99	
For High Strength Low Alloy A572-50 Steel, Add	11.16	
For High Strength Low Alloy A588 Steel, Add	24.81	
For Each Additional Top Copes >2, Add	0.83	
For Structural Tees, WT, MT Or ST, Deduct	-37.23	
For Skewed Or Sloped Connections, Add	14.88	
05 12 23 00-0296 LF W16 x 36 A992/A36 Structural Beam Or Girder .....	117.04	38.32
For Hot Dip Galvanizing, Add	21.14	
For High Strength Low Alloy A572-50 Steel, Add	10.53	
For High Strength Low Alloy A588 Steel, Add	23.41	
For Each Additional Top Copes >2, Add	0.76	
For Structural Tees, WT, MT Or ST, Deduct	-34.84	
For Skewed Or Sloped Connections, Add	14.04	
05 12 23 00-0297 LF W16 x 31 A992/A36 Structural Beam Or Girder .....	100.15	30.51
For Hot Dip Galvanizing, Add	18.76	
For High Strength Low Alloy A572-50 Steel, Add	9.01	
For High Strength Low Alloy A588 Steel, Add	20.03	
For Each Additional Top Copes >2, Add	0.68	
For Structural Tees, WT, MT Or ST, Deduct	-30.17	
For Skewed Or Sloped Connections, Add	12.02	
05 12 23 00-0298 LF W16 x 26 A992/A36 Structural Beam Or Girder .....	88.87	30.15
For Hot Dip Galvanizing, Add	15.73	
For High Strength Low Alloy A572-50 Steel, Add	8.00	
For High Strength Low Alloy A588 Steel, Add	17.77	
For Each Additional Top Copes >2, Add	0.57	
For Structural Tees, WT, MT Or ST, Deduct	-26.28	
For Skewed Or Sloped Connections, Add	10.66	
05 12 23 00-0299 LF W14 x 99 A992/A36 Structural Beam Or Girder .....	219.89	34.36
For Hot Dip Galvanizing, Add	50.85	
For High Strength Low Alloy A572-50 Steel, Add	19.79	
For High Strength Low Alloy A588 Steel, Add	43.98	
For Each Additional Top Copes >2, Add	1.83	
For Structural Tees, WT, MT Or ST, Deduct	-71.47	
For Skewed Or Sloped Connections, Add	26.39	
05 12 23 00-0300 LF W14 x 90 A992/A36 Structural Beam Or Girder .....	204.05	33.76
For Hot Dip Galvanizing, Add	46.62	
For High Strength Low Alloy A572-50 Steel, Add	18.36	
For High Strength Low Alloy A588 Steel, Add	40.81	
For Each Additional Top Copes >2, Add	1.68	
For Structural Tees, WT, MT Or ST, Deduct	-66.01	
For Skewed Or Sloped Connections, Add	24.49	
05 12 23 00-0301 LF W14 x 82 A992/A36 Structural Beam Or Girder .....	189.90	33.40
For Hot Dip Galvanizing, Add	42.83	
For High Strength Low Alloy A572-50 Steel, Add	17.09	
For High Strength Low Alloy A588 Steel, Add	37.98	
For Each Additional Top Copes >2, Add	1.54	
For Structural Tees, WT, MT Or ST, Deduct	-61.13	
For Skewed Or Sloped Connections, Add	22.79	
05 12 23 00-0302 LF W14 x 74 A992/A36 Structural Beam Or Girder .....	175.75	32.91
For Hot Dip Galvanizing, Add	39.03	
For High Strength Low Alloy A572-50 Steel, Add	15.82	
For High Strength Low Alloy A588 Steel, Add	35.15	
For Each Additional Top Copes >2, Add	1.41	
For Structural Tees, WT, MT Or ST, Deduct	-56.25	
For Skewed Or Sloped Connections, Add	21.09	
05 12 23 00-0303 LF W14 x 68 A992/A36 Structural Beam Or Girder .....	165.22	32.55
For Hot Dip Galvanizing, Add	36.21	
For High Strength Low Alloy A572-50 Steel, Add	14.87	
For High Strength Low Alloy A588 Steel, Add	33.04	
For Each Additional Top Copes >2, Add	1.31	
For Structural Tees, WT, MT Or ST, Deduct	-52.62	
For Skewed Or Sloped Connections, Add	19.83	
05 12 23 00-0304 LF W14 x 61 A992/A36 Structural Beam Or Girder .....	152.95	32.19
For Hot Dip Galvanizing, Add	32.91	
For High Strength Low Alloy A572-50 Steel, Add	13.77	
For High Strength Low Alloy A588 Steel, Add	30.59	
For Each Additional Top Copes >2, Add	1.19	
For Structural Tees, WT, MT Or ST, Deduct	-48.38	
For Skewed Or Sloped Connections, Add	18.35	
05 12 23 00-0305 LF W14 x 53 A992/A36 Structural Beam Or Girder .....	138.98	31.72
For Hot Dip Galvanizing, Add	29.17	
For High Strength Low Alloy A572-50 Steel, Add	12.51	
For High Strength Low Alloy A588 Steel, Add	27.80	
For Each Additional Top Copes >2, Add	1.05	
For Structural Tees, WT, MT Or ST, Deduct	-43.56	
For Skewed Or Sloped Connections, Add	16.68	





<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0306 LF W14 x 48 A992/A36 Structural Beam Or Girder .....	130.02	31.36
For Hot Dip Galvanizing, Add	26.78	
For High Strength Low Alloy A572-50 Steel, Add	11.70	
For High Strength Low Alloy A588 Steel, Add	26.00	
For Each Additional Top Copes >2, Add	0.97	
For Structural Tees, WT, MT Or ST, Deduct	-40.48	
For Skewed Or Sloped Connections, Add	15.60	
05 12 23 00-0307 LF W14 x 43 A992/A36 Structural Beam Or Girder .....	121.19	31.23
For Hot Dip Galvanizing, Add	24.40	
For High Strength Low Alloy A572-50 Steel, Add	10.91	
For High Strength Low Alloy A588 Steel, Add	24.24	
For Each Additional Top Copes >2, Add	0.88	
For Structural Tees, WT, MT Or ST, Deduct	-37.42	
For Skewed Or Sloped Connections, Add	14.54	
05 12 23 00-0308 LF W14 x 38 A992/A36 Structural Beam Or Girder .....	112.42	31.00
For Hot Dip Galvanizing, Add	22.06	
For High Strength Low Alloy A572-50 Steel, Add	10.12	
For High Strength Low Alloy A588 Steel, Add	22.48	
For Each Additional Top Copes >2, Add	0.80	
For Structural Tees, WT, MT Or ST, Deduct	-34.41	
For Skewed Or Sloped Connections, Add	13.49	
05 12 23 00-0309 LF W14 x 34 A992/A36 Structural Beam Or Girder .....	105.36	30.63
For Hot Dip Galvanizing, Add	20.17	
For High Strength Low Alloy A572-50 Steel, Add	9.48	
For High Strength Low Alloy A588 Steel, Add	21.07	
For Each Additional Top Copes >2, Add	0.73	
For Structural Tees, WT, MT Or ST, Deduct	-31.97	
For Skewed Or Sloped Connections, Add	12.64	
05 12 23 00-0310 LF W14 x 30 A992/A36 Structural Beam Or Girder .....	98.28	30.51
For Hot Dip Galvanizing, Add	18.27	
For High Strength Low Alloy A572-50 Steel, Add	8.85	
For High Strength Low Alloy A588 Steel, Add	19.66	
For Each Additional Top Copes >2, Add	0.66	
For Structural Tees, WT, MT Or ST, Deduct	-29.53	
For Skewed Or Sloped Connections, Add	11.79	
05 12 23 00-0311 LF W14 x 26 A992/A36 Structural Beam Or Girder .....	91.19	30.15
For Hot Dip Galvanizing, Add	16.37	
For High Strength Low Alloy A572-50 Steel, Add	8.21	
For High Strength Low Alloy A588 Steel, Add	18.24	
For Each Additional Top Copes >2, Add	0.59	
For Structural Tees, WT, MT Or ST, Deduct	-27.09	
For Skewed Or Sloped Connections, Add	10.94	
05 12 23 00-0312 LF W14 x 22 A992/A36 Structural Beam Or Girder .....	84.31	30.04
For Hot Dip Galvanizing, Add	14.53	
For High Strength Low Alloy A572-50 Steel, Add	7.59	
For High Strength Low Alloy A588 Steel, Add	16.86	
For Each Additional Top Copes >2, Add	0.52	
For Structural Tees, WT, MT Or ST, Deduct	-24.72	
For Skewed Or Sloped Connections, Add	10.12	
05 12 23 00-0313 LF W12 x 87 A992/A36 Structural Beam Or Girder .....	198.85	33.64
For Hot Dip Galvanizing, Add	45.21	
For High Strength Low Alloy A572-50 Steel, Add	17.90	
For High Strength Low Alloy A588 Steel, Add	39.77	
For Each Additional Top Copes >2, Add	1.63	
For Structural Tees, WT, MT Or ST, Deduct	-64.21	
For Skewed Or Sloped Connections, Add	23.86	
05 12 23 00-0314 LF W12 x 79 A992/A36 Structural Beam Or Girder .....	184.70	33.15
For Hot Dip Galvanizing, Add	41.42	
For High Strength Low Alloy A572-50 Steel, Add	16.62	
For High Strength Low Alloy A588 Steel, Add	36.94	
For Each Additional Top Copes >2, Add	1.49	
For Structural Tees, WT, MT Or ST, Deduct	-59.33	
For Skewed Or Sloped Connections, Add	22.16	
05 12 23 00-0315 LF W12 x 72 A992/A36 Structural Beam Or Girder .....	172.30	32.80
For Hot Dip Galvanizing, Add	38.11	
For High Strength Low Alloy A572-50 Steel, Add	15.51	
For High Strength Low Alloy A588 Steel, Add	34.46	
For Each Additional Top Copes >2, Add	1.37	
For Structural Tees, WT, MT Or ST, Deduct	-55.06	
For Skewed Or Sloped Connections, Add	20.68	
05 12 23 00-0316 LF W12 x 65 A992/A36 Structural Beam Or Girder .....	160.02	32.44
For Hot Dip Galvanizing, Add	34.80	
For High Strength Low Alloy A572-50 Steel, Add	14.40	
For High Strength Low Alloy A588 Steel, Add	32.00	
For Each Additional Top Copes >2, Add	1.25	
For Structural Tees, WT, MT Or ST, Deduct	-50.82	
For Skewed Or Sloped Connections, Add	19.20	
05 12 23 00-0317 LF W12 x 58 A992/A36 Structural Beam Or Girder .....	147.63	31.95
For Hot Dip Galvanizing, Add	31.50	
For High Strength Low Alloy A572-50 Steel, Add	13.29	
For High Strength Low Alloy A588 Steel, Add	29.53	
For Each Additional Top Copes >2, Add	1.14	
For Structural Tees, WT, MT Or ST, Deduct	-46.55	
For Skewed Or Sloped Connections, Add	17.72	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0318	LF		W12 x 53 A992/A36 Structural Beam Or Girder .....	138.98	31.72
			For Hot Dip Galvanizing, Add	29.17	
			For High Strength Low Alloy A572-50 Steel, Add	12.51	
			For High Strength Low Alloy A588 Steel, Add	27.80	
			For Each Additional Top Copes >2, Add	1.05	
			For Structural Tees, WT, MT Or ST, Deduct	-43.56	
			For Skewed Or Sloped Connections, Add	16.68	
05 12 23 00-0319	LF		W12 x 50 A992/A36 Structural Beam Or Girder .....	133.47	31.59
			For Hot Dip Galvanizing, Add	27.70	
			For High Strength Low Alloy A572-50 Steel, Add	12.01	
			For High Strength Low Alloy A588 Steel, Add	26.69	
			For Each Additional Top Copes >2, Add	1.00	
			For Structural Tees, WT, MT Or ST, Deduct	-41.67	
			For Skewed Or Sloped Connections, Add	16.02	
05 12 23 00-0320	LF		W12 x 45 A992/A36 Structural Beam Or Girder .....	124.83	31.36
			For Hot Dip Galvanizing, Add	25.37	
			For High Strength Low Alloy A572-50 Steel, Add	11.23	
			For High Strength Low Alloy A588 Steel, Add	24.97	
			For Each Additional Top Copes >2, Add	0.91	
			For Structural Tees, WT, MT Or ST, Deduct	-38.68	
			For Skewed Or Sloped Connections, Add	14.98	
05 12 23 00-0321	LF		W12 x 40 A992/A36 Structural Beam Or Girder .....	107.70	23.31
			For Hot Dip Galvanizing, Add	22.99	
			For High Strength Low Alloy A572-50 Steel, Add	9.69	
			For High Strength Low Alloy A588 Steel, Add	21.54	
			For Each Additional Top Copes >2, Add	0.83	
			For Structural Tees, WT, MT Or ST, Deduct	-33.96	
			For Skewed Or Sloped Connections, Add	12.92	
05 12 23 00-0322	LF		W12 x 35 A992/A36 Structural Beam Or Girder .....	99.06	23.18
			For Hot Dip Galvanizing, Add	20.65	
			For High Strength Low Alloy A572-50 Steel, Add	8.92	
			For High Strength Low Alloy A588 Steel, Add	19.81	
			For Each Additional Top Copes >2, Add	0.74	
			For Structural Tees, WT, MT Or ST, Deduct	-30.98	
			For Skewed Or Sloped Connections, Add	11.89	
05 12 23 00-0323	LF		W12 x 30 A992/A36 Structural Beam Or Girder .....	90.11	22.82
			For Hot Dip Galvanizing, Add	18.27	
			For High Strength Low Alloy A572-50 Steel, Add	8.11	
			For High Strength Low Alloy A588 Steel, Add	18.02	
			For Each Additional Top Copes >2, Add	0.66	
			For Structural Tees, WT, MT Or ST, Deduct	-27.90	
			For Skewed Or Sloped Connections, Add	10.81	
05 12 23 00-0324	LF		W12 x 26 A992/A36 Structural Beam Or Girder .....	83.03	22.59
			For Hot Dip Galvanizing, Add	16.37	
			For High Strength Low Alloy A572-50 Steel, Add	7.47	
			For High Strength Low Alloy A588 Steel, Add	16.61	
			For Each Additional Top Copes >2, Add	0.59	
			For Structural Tees, WT, MT Or ST, Deduct	-25.46	
			For Skewed Or Sloped Connections, Add	9.96	
05 12 23 00-0325	LF		W12 x 22 A992/A36 Structural Beam Or Girder .....	76.14	22.35
			For Hot Dip Galvanizing, Add	14.53	
			For High Strength Low Alloy A572-50 Steel, Add	6.85	
			For High Strength Low Alloy A588 Steel, Add	15.23	
			For Each Additional Top Copes >2, Add	0.52	
			For Structural Tees, WT, MT Or ST, Deduct	-23.08	
			For Skewed Or Sloped Connections, Add	9.14	
05 12 23 00-0326	LF		W12 x 19 A992/A36 Structural Beam Or Girder .....	70.75	22.23
			For Hot Dip Galvanizing, Add	13.06	
			For High Strength Low Alloy A572-50 Steel, Add	6.37	
			For High Strength Low Alloy A588 Steel, Add	14.15	
			For Each Additional Top Copes >2, Add	0.47	
			For Structural Tees, WT, MT Or ST, Deduct	-21.21	
			For Skewed Or Sloped Connections, Add	8.49	
05 12 23 00-0327	LF		W12 x 16 A992/A36 Structural Beam Or Girder .....	65.42	21.86
			For Hot Dip Galvanizing, Add	11.66	
			For High Strength Low Alloy A572-50 Steel, Add	5.89	
			For High Strength Low Alloy A588 Steel, Add	13.08	
			For Each Additional Top Copes >2, Add	0.42	
			For Structural Tees, WT, MT Or ST, Deduct	-19.38	
			For Skewed Or Sloped Connections, Add	7.85	
05 12 23 00-0328	LF		W12 x 14 A992/A36 Structural Beam Or Girder .....	61.99	21.86
			For Hot Dip Galvanizing, Add	10.73	
			For High Strength Low Alloy A572-50 Steel, Add	5.58	
			For High Strength Low Alloy A588 Steel, Add	12.40	
			For Each Additional Top Copes >2, Add	0.39	
			For Structural Tees, WT, MT Or ST, Deduct	-18.20	
			For Skewed Or Sloped Connections, Add	7.44	
05 12 23 00-0329	LF		W10 x 68 A992/A36 Structural Beam Or Girder .....	157.56	25.10
			For Hot Dip Galvanizing, Add	36.32	
			For High Strength Low Alloy A572-50 Steel, Add	14.18	
			For High Strength Low Alloy A588 Steel, Add	31.51	
			For Each Additional Top Copes >2, Add	1.31	
			For Structural Tees, WT, MT Or ST, Deduct	-51.15	
			For Skewed Or Sloped Connections, Add	18.91	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0330 LF W10 x 60 A992/A36 Structural Beam Or Girder .....	143.60	24.63
For Hot Dip Galvanizing, Add	32.58	
For High Strength Low Alloy A572-50 Steel, Add	12.92	
For High Strength Low Alloy A588 Steel, Add	28.72	
For Each Additional Top Copes >2, Add	1.17	
For Structural Tees, WT, MT Or ST, Deduct	-46.33	
For Skewed Or Sloped Connections, Add	17.23	
05 12 23 00-0331 LF W10 x 54 A992/A36 Structural Beam Or Girder .....	132.89	24.14
For Hot Dip Galvanizing, Add	29.71	
For High Strength Low Alloy A572-50 Steel, Add	11.96	
For High Strength Low Alloy A588 Steel, Add	26.58	
For Each Additional Top Copes >2, Add	1.07	
For Structural Tees, WT, MT Or ST, Deduct	-42.64	
For Skewed Or Sloped Connections, Add	15.95	
05 12 23 00-0332 LF W10 x 49 A992/A36 Structural Beam Or Girder .....	124.12	23.91
For Hot Dip Galvanizing, Add	27.38	
For High Strength Low Alloy A572-50 Steel, Add	11.17	
For High Strength Low Alloy A588 Steel, Add	24.82	
For Each Additional Top Copes >2, Add	0.99	
For Structural Tees, WT, MT Or ST, Deduct	-39.62	
For Skewed Or Sloped Connections, Add	14.89	
05 12 23 00-0333 LF W10 x 45 A992/A36 Structural Beam Or Girder .....	117.05	23.78
For Hot Dip Galvanizing, Add	25.48	
For High Strength Low Alloy A572-50 Steel, Add	10.53	
For High Strength Low Alloy A588 Steel, Add	23.41	
For Each Additional Top Copes >2, Add	0.92	
For Structural Tees, WT, MT Or ST, Deduct	-37.18	
For Skewed Or Sloped Connections, Add	14.05	
05 12 23 00-0334 LF W10 x 39 A992/A36 Structural Beam Or Girder .....	106.53	23.31
For Hot Dip Galvanizing, Add	22.66	
For High Strength Low Alloy A572-50 Steel, Add	9.59	
For High Strength Low Alloy A588 Steel, Add	21.31	
For Each Additional Top Copes >2, Add	0.82	
For Structural Tees, WT, MT Or ST, Deduct	-33.56	
For Skewed Or Sloped Connections, Add	12.78	
05 12 23 00-0335 LF W10 x 33 A992/A36 Structural Beam Or Girder .....	96.01	22.95
For Hot Dip Galvanizing, Add	19.84	
For High Strength Low Alloy A572-50 Steel, Add	8.64	
For High Strength Low Alloy A588 Steel, Add	19.20	
For Each Additional Top Copes >2, Add	0.72	
For Structural Tees, WT, MT Or ST, Deduct	-29.93	
For Skewed Or Sloped Connections, Add	11.52	
05 12 23 00-0336 LF W10 x 30 A992/A36 Structural Beam Or Girder .....	90.62	22.82
For Hot Dip Galvanizing, Add	18.38	
For High Strength Low Alloy A572-50 Steel, Add	8.16	
For High Strength Low Alloy A588 Steel, Add	18.12	
For Each Additional Top Copes >2, Add	0.66	
For Structural Tees, WT, MT Or ST, Deduct	-28.06	
For Skewed Or Sloped Connections, Add	10.87	
05 12 23 00-0337 LF W10 x 26 A992/A36 Structural Beam Or Girder .....	83.73	22.71
For Hot Dip Galvanizing, Add	16.54	
For High Strength Low Alloy A572-50 Steel, Add	7.54	
For High Strength Low Alloy A588 Steel, Add	16.75	
For Each Additional Top Copes >2, Add	0.60	
For Structural Tees, WT, MT Or ST, Deduct	-25.68	
For Skewed Or Sloped Connections, Add	10.05	
05 12 23 00-0338 LF W10 x 22 A992/A36 Structural Beam Or Girder .....	76.53	22.35
For Hot Dip Galvanizing, Add	14.64	
For High Strength Low Alloy A572-50 Steel, Add	6.89	
For High Strength Low Alloy A588 Steel, Add	15.31	
For Each Additional Top Copes >2, Add	0.53	
For Structural Tees, WT, MT Or ST, Deduct	-23.22	
For Skewed Or Sloped Connections, Add	9.18	
05 12 23 00-0339 LF W10 x 19 A992/A36 Structural Beam Or Girder .....	71.34	22.23
For Hot Dip Galvanizing, Add	13.23	
For High Strength Low Alloy A572-50 Steel, Add	6.42	
For High Strength Low Alloy A588 Steel, Add	14.27	
For Each Additional Top Copes >2, Add	0.48	
For Structural Tees, WT, MT Or ST, Deduct	-21.42	
For Skewed Or Sloped Connections, Add	8.56	
05 12 23 00-0340 LF W10 x 17 A992/A36 Structural Beam Or Girder .....	67.70	22.10
For Hot Dip Galvanizing, Add	12.25	
For High Strength Low Alloy A572-50 Steel, Add	6.09	
For High Strength Low Alloy A588 Steel, Add	13.54	
For Each Additional Top Copes >2, Add	0.44	
For Structural Tees, WT, MT Or ST, Deduct	-20.16	
For Skewed Or Sloped Connections, Add	8.12	
05 12 23 00-0341 LF W10 x 15 A992/A36 Structural Beam Or Girder .....	64.25	21.86
For Hot Dip Galvanizing, Add	11.33	
For High Strength Low Alloy A572-50 Steel, Add	5.78	
For High Strength Low Alloy A588 Steel, Add	12.85	
For Each Additional Top Copes >2, Add	0.41	
For Structural Tees, WT, MT Or ST, Deduct	-18.97	
For Skewed Or Sloped Connections, Add	7.71	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0342 LF W10 x 12 A992/A36 Structural Beam Or Girder .....	59.06	21.86
For Hot Dip Galvanizing, Add	9.92	
For High Strength Low Alloy A572-50 Steel, Add	5.32	
For High Strength Low Alloy A588 Steel, Add	11.81	
For Each Additional Top Copes >2, Add	0.36	
For Structural Tees, WT, MT Or ST, Deduct	-17.17	
For Skewed Or Sloped Connections, Add	7.09	
05 12 23 00-0343 LF W8 x 35 A992/A36 Structural Beam Or Girder .....	99.45	23.18
For Hot Dip Galvanizing, Add	20.76	
For High Strength Low Alloy A572-50 Steel, Add	8.95	
For High Strength Low Alloy A588 Steel, Add	19.89	
For Each Additional Top Copes >2, Add	0.75	
For Structural Tees, WT, MT Or ST, Deduct	-31.11	
For Skewed Or Sloped Connections, Add	11.93	
05 12 23 00-0344 LF W8 x 31 A992/A36 Structural Beam Or Girder .....	92.38	22.82
For Hot Dip Galvanizing, Add	18.87	
For High Strength Low Alloy A572-50 Steel, Add	8.31	
For High Strength Low Alloy A588 Steel, Add	18.48	
For Each Additional Top Copes >2, Add	0.68	
For Structural Tees, WT, MT Or ST, Deduct	-28.67	
For Skewed Or Sloped Connections, Add	11.09	
05 12 23 00-0345 LF W8 x 28 A992/A36 Structural Beam Or Girder .....	84.97	21.50
For Hot Dip Galvanizing, Add	17.21	
For High Strength Low Alloy A572-50 Steel, Add	7.65	
For High Strength Low Alloy A588 Steel, Add	16.99	
For Each Additional Top Copes >2, Add	0.62	
For Structural Tees, WT, MT Or ST, Deduct	-26.30	
For Skewed Or Sloped Connections, Add	10.20	
05 12 23 00-0346 LF W8 x 24 A992/A36 Structural Beam Or Girder .....	77.38	20.18
For Hot Dip Galvanizing, Add	15.51	
For High Strength Low Alloy A572-50 Steel, Add	6.96	
For High Strength Low Alloy A588 Steel, Add	15.48	
For Each Additional Top Copes >2, Add	0.56	
For Structural Tees, WT, MT Or ST, Deduct	-23.86	
For Skewed Or Sloped Connections, Add	9.29	
05 12 23 00-0347 LF W8 x 21 A992/A36 Structural Beam Or Girder .....	72.00	18.74
For Hot Dip Galvanizing, Add	14.41	
For High Strength Low Alloy A572-50 Steel, Add	6.48	
For High Strength Low Alloy A588 Steel, Add	14.40	
For Each Additional Top Copes >2, Add	0.52	
For Structural Tees, WT, MT Or ST, Deduct	-22.19	
For Skewed Or Sloped Connections, Add	8.64	
05 12 23 00-0348 LF W8 x 18 A992/A36 Structural Beam Or Girder .....	62.84	17.42
For Hot Dip Galvanizing, Add	12.27	
For High Strength Low Alloy A572-50 Steel, Add	5.66	
For High Strength Low Alloy A588 Steel, Add	12.57	
For Each Additional Top Copes >2, Add	0.44	
For Structural Tees, WT, MT Or ST, Deduct	-19.20	
For Skewed Or Sloped Connections, Add	7.54	
05 12 23 00-0349 LF W8 x 10 A992/A36 Structural Beam Or Girder .....	37.17	12.50
For Hot Dip Galvanizing, Add	6.65	
For High Strength Low Alloy A572-50 Steel, Add	3.35	
For High Strength Low Alloy A588 Steel, Add	7.43	
For Each Additional Top Copes >2, Add	0.24	
For Structural Tees, WT, MT Or ST, Deduct	-11.03	
For Skewed Or Sloped Connections, Add	4.46	
05 12 23 00-0350 LF W6 x 9 A992/A36 Structural Beam Or Girder .....	34.45	10.21
For Hot Dip Galvanizing, Add	6.56	
For High Strength Low Alloy A572-50 Steel, Add	3.10	
For High Strength Low Alloy A588 Steel, Add	6.89	
For Each Additional Top Copes >2, Add	0.24	
For Structural Tees, WT, MT Or ST, Deduct	-10.44	
For Skewed Or Sloped Connections, Add	4.13	
<b>05 12 23 00-0351 A992/A36 Structural Steel, M Shapes (05 12 23 00-0133)</b>		
Note: Includes material delivery and erection.		
05 12 23 00-0352 LF M14 x 18 A992/A36 Structural Steel .....	65.85	15.62
For Hot Dip Galvanizing, Add	13.65	
For High Strength Low Alloy A572-50 Steel, Add	5.93	
For High Strength Low Alloy A588 Grade B Steel, Add	13.17	
05 12 23 00-0353 LF M12 x 11.8 A992/A36 Structural Steel .....	46.99	13.82
For Hot Dip Galvanizing, Add	8.95	
For High Strength Low Alloy A572-50 Steel, Add	4.23	
For High Strength Low Alloy A588 Grade B Steel, Add	9.40	
05 12 23 00-0354 LF M10 x 9 A992/A36 Structural Steel .....	36.42	11.09
For Hot Dip Galvanizing, Add	6.83	
For High Strength Low Alloy A572-50 Steel, Add	3.28	
For High Strength Low Alloy A588 Grade B Steel, Add	7.28	
05 12 23 00-0355 LF M8 x 6.5 A992/A36 Structural Steel .....	26.31	8.01
For Hot Dip Galvanizing, Add	4.93	
For High Strength Low Alloy A572-50 Steel, Add	2.37	
For High Strength Low Alloy A588 Grade B Steel, Add	5.26	
05 12 23 00-0356 LF M6 x 20 A992/A36 Structural Steel .....	75.09	19.35
For Hot Dip Galvanizing, Add	15.17	
For High Strength Low Alloy A572-50 Steel, Add	6.76	
For High Strength Low Alloy A588 Grade B Steel, Add	15.02	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0357	LF		M6 x 4.4 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	17.79 3.33 1.60 3.56	5.42
05 12 23 00-0358	LF		M5 x 18.9 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	72.24 14.31 6.50 14.45	19.35
05 12 23 00-0359	LF		M4 x 13 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	59.06 10.79 5.32 11.81	18.99
<b>05 12 23 00-0360</b>			<b>A992/A36 Structural Steel, S Shapes</b> <small>(05 12 23 00-0133)</small> Note: Includes material delivery and erection.		
05 12 23 00-0361	LF		S24 x 121 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	397.65 86.93 35.79 79.53	79.15
05 12 23 00-0362	LF		S24 x 106 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	352.25 76.15 31.70 70.45	72.98
05 12 23 00-0363	LF		S24 x 100 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	336.17 71.84 30.26 67.23	72.47
05 12 23 00-0364	LF		S24 x 90 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	306.22 64.66 27.56 61.24	68.66
05 12 23 00-0365	LF		S24 x 80 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	275.61 57.48 24.80 55.12	64.25
05 12 23 00-0366	LF		S20 x 96 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	322.72 68.97 29.04 64.54	69.58
05 12 23 00-0367	LF		S20 x 86 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	292.60 61.79 26.33 58.52	65.61
05 12 23 00-0368	LF		S20 x 75 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	258.38 53.88 23.25 51.68	60.24
05 12 23 00-0369	LF		S20 x 66 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	230.35 47.42 20.73 46.07	55.79
05 12 23 00-0370	LF		S18 x 70 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	244.32 50.29 21.99 48.86	59.18
05 12 23 00-0371	LF		S18 x 54.7 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	193.51 39.30 17.42 38.70	48.67
05 12 23 00-0372	LF		S15 x 50 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	179.38 35.92 16.14 35.88	46.83
05 12 23 00-0373	LF		S15 x 42.9 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	156.17 30.82 14.06 31.23	42.29
05 12 23 00-0374	LF		S12 x 50 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	176.89 35.92 15.92 35.38	44.49
05 12 23 00-0375	LF		S12 x 40.8 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	146.37 29.31 13.17 29.27	38.22
05 12 23 00-0376	LF		S12 x 35 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	127.39 25.14 11.47 25.48	34.51
05 12 23 00-0377	LF		S12 x 31.8 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	117.52 22.85 10.58 23.50	33.00

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0378	LF		S10 x 35 A992/A36 Structural Steel.....	129.34	36.33
			<i>For Hot Dip Galvanizing, Add</i>	25.14	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.64	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.87	
05 12 23 00-0379	LF		S10 x 25.4 A992/A36 Structural Steel.....	95.34	27.75
			<i>For Hot Dip Galvanizing, Add</i>	18.25	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.58	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	19.07	
05 12 23 00-0380	LF		S8 x 23 A992/A36 Structural Steel.....	86.34	25.12
			<i>For Hot Dip Galvanizing, Add</i>	16.53	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.77	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	17.27	
05 12 23 00-0381	LF		S8 x 18.4 A992/A36 Structural Steel.....	70.20	21.16
			<i>For Hot Dip Galvanizing, Add</i>	13.22	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.32	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	14.04	
05 12 23 00-0382	LF		S7 x 20 A992/A36 Structural Steel.....	76.30	23.00
			<i>For Hot Dip Galvanizing, Add</i>	14.37	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.87	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	15.26	
05 12 23 00-0383	LF		S7 x 15.3 A992/A36 Structural Steel.....	59.36	18.53
			<i>For Hot Dip Galvanizing, Add</i>	10.99	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.34	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	11.87	
05 12 23 00-0384	LF		S6 x 17.25 A992/A36 Structural Steel.....	66.29	20.28
			<i>For Hot Dip Galvanizing, Add</i>	12.39	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.97	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	13.26	
05 12 23 00-0385	LF		S6 x 12.5 A992/A36 Structural Steel.....	56.69	18.74
			<i>For Hot Dip Galvanizing, Add</i>	10.16	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.10	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	11.34	
05 12 23 00-0386	LF		S5 x 14.75 A992/A36 Structural Steel.....	60.47	19.10
			<i>For Hot Dip Galvanizing, Add</i>	11.14	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.44	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	12.09	
05 12 23 00-0387	LF		S5 x 10 A992/A36 Structural Steel.....	51.11	18.62
			<i>For Hot Dip Galvanizing, Add</i>	8.65	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.60	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	10.22	
05 12 23 00-0388	LF		S4 x 9.5 A992/A36 Structural Steel.....	49.66	18.62
			<i>For Hot Dip Galvanizing, Add</i>	8.25	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.47	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	9.93	
05 12 23 00-0389	LF		S4 x 7.7 A992/A36 Structural Steel.....	46.33	18.62
			<i>For Hot Dip Galvanizing, Add</i>	7.36	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.17	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	9.27	
05 12 23 00-0390	LF		S3 x 7.5 A992/A36 Structural Steel.....	46.01	18.62
			<i>For Hot Dip Galvanizing, Add</i>	7.27	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.14	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	9.20	
05 12 23 00-0391	LF		S3 x 5.7 A992/A36 Structural Steel.....	42.04	18.50
			<i>For Hot Dip Galvanizing, Add</i>	6.20	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.78	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	8.41	
<b>05 12 23 00-0392</b>			<b>A992/A36 Structural Steel, HP Shapes</b> (05 12 23 00-0133)		
			Note: Includes material delivery and erection.		
05 12 23 00-0393	LF		HP14 x 117 A992/A36 Structural Steel.....	247.49	23.45
			<i>For Hot Dip Galvanizing, Add</i>	61.74	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.27	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	49.50	
05 12 23 00-0394	LF		HP14 x 102 A992/A36 Structural Steel.....	216.42	21.82
			<i>For Hot Dip Galvanizing, Add</i>	53.60	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.48	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	43.28	
05 12 23 00-0395	LF		HP14 x 89 A992/A36 Structural Steel.....	192.72	20.47
			<i>For Hot Dip Galvanizing, Add</i>	47.42	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.34	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	38.54	
05 12 23 00-0396	LF		HP14 x 73 A992/A36 Structural Steel.....	159.32	19.29
			<i>For Hot Dip Galvanizing, Add</i>	38.51	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.34	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	31.86	
05 12 23 00-0397	LF		HP13 x 100 A992/A36 Structural Steel.....	212.19	21.39
			<i>For Hot Dip Galvanizing, Add</i>	52.55	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.10	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	42.44	
05 12 23 00-0398	LF		HP13 x 87 A992/A36 Structural Steel.....	188.39	20.01
			<i>For Hot Dip Galvanizing, Add</i>	46.36	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.96	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.68	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0399 LF HP13 x 73 A992/A36 Structural Steel.....	159.32	19.29
For Hot Dip Galvanizing, Add	38.51	
For High Strength Low Alloy A572-50 Steel, Add	14.34	
For High Strength Low Alloy A588 Grade B Steel, Add	31.86	
05 12 23 00-0400 LF HP13 x 60 A992/A36 Structural Steel.....	134.77	18.49
For Hot Dip Galvanizing, Add	31.93	
For High Strength Low Alloy A572-50 Steel, Add	12.13	
For High Strength Low Alloy A588 Grade B Steel, Add	26.95	
05 12 23 00-0401 LF HP12 x 84 A992/A36 Structural Steel.....	177.50	21.10
For Hot Dip Galvanizing, Add	43.02	
For High Strength Low Alloy A572-50 Steel, Add	15.98	
For High Strength Low Alloy A588 Grade B Steel, Add	35.50	
05 12 23 00-0402 LF HP12 x 74 A992/A36 Structural Steel.....	156.70	19.90
For Hot Dip Galvanizing, Add	37.60	
For High Strength Low Alloy A572-50 Steel, Add	14.10	
For High Strength Low Alloy A588 Grade B Steel, Add	31.34	
05 12 23 00-0403 LF HP12 x 63 A992/A36 Structural Steel.....	134.78	18.30
For Hot Dip Galvanizing, Add	31.99	
For High Strength Low Alloy A572-50 Steel, Add	12.13	
For High Strength Low Alloy A588 Grade B Steel, Add	26.96	
05 12 23 00-0404 LF HP12 x 53 A992/A36 Structural Steel.....	123.52	17.40
For Hot Dip Galvanizing, Add	29.13	
For High Strength Low Alloy A572-50 Steel, Add	11.12	
For High Strength Low Alloy A588 Grade B Steel, Add	24.70	
05 12 23 00-0405 LF HP10 x 57 A992/A36 Structural Steel.....	130.16	17.85
For Hot Dip Galvanizing, Add	30.84	
For High Strength Low Alloy A572-50 Steel, Add	11.71	
For High Strength Low Alloy A588 Grade B Steel, Add	26.03	
05 12 23 00-0406 LF HP10 x 42 A992/A36 Structural Steel.....	107.07	16.73
For Hot Dip Galvanizing, Add	24.76	
For High Strength Low Alloy A572-50 Steel, Add	9.64	
For High Strength Low Alloy A588 Grade B Steel, Add	21.41	
05 12 23 00-0407 LF HP8 x 36 A992/A36 Structural Steel.....	92.97	15.78
For Hot Dip Galvanizing, Add	21.13	
For High Strength Low Alloy A572-50 Steel, Add	8.37	
For High Strength Low Alloy A588 Grade B Steel, Add	18.59	
<b>05 12 23 00-0408 Lightweight Framing Steel Shapes</b> <small>(05 12 23)</small>		
Note: Includes cutting to length. Excludes fasteners or welds. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.		
<b>05 12 23 00-0409 Angle Iron - L</b> <small>(05 12 23 00-0408)</small>		
<b>05 12 23 00-0410 1/8" Thick</b> <small>(05 12 23 00-0409)</small>		
05 12 23 00-0411 LF 1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron.....	2.75	1.60
For >100 To 250, Deduct	-0.16	
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.35	
For >1,000, Deduct	-0.47	
For Galvanized Steel, Add	0.38	
For 304 Stainless Steel, Add	1.74	
For High Strength Steel (HSS), Add	0.55	
05 12 23 00-0412 LF 3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron.....	3.19	1.81
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.26	
For >500 To 1,000, Deduct	-0.40	
For >1,000, Deduct	-0.54	
For Galvanized Steel, Add	0.48	
For 304 Stainless Steel, Add	2.19	
For High Strength Steel (HSS), Add	0.64	
05 12 23 00-0413 LF 3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron.....	3.62	2.01
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.29	
For >500 To 1,000, Deduct	-0.45	
For >1,000, Deduct	-0.61	
For Galvanized Steel, Add	0.59	
For 304 Stainless Steel, Add	2.71	
For High Strength Steel (HSS), Add	0.72	
05 12 23 00-0414 LF 1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron.....	4.06	2.23
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.32	
For >500 To 1,000, Deduct	-0.50	
For >1,000, Deduct	-0.67	
For Galvanized Steel, Add	0.68	
For 304 Stainless Steel, Add	3.14	
For High Strength Steel (HSS), Add	0.81	
05 12 23 00-0415 LF 1" x 1" x 1/8" Thick, Plain Steel Angle Iron.....	4.49	2.40
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.35	
For >500 To 1,000, Deduct	-0.55	
For >1,000, Deduct	-0.74	
For Galvanized Steel, Add	0.79	
For 304 Stainless Steel, Add	3.65	
For High Strength Steel (HSS), Add	0.90	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0416	LF		1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron .....	5.39	2.83
			<i>For &gt;100 To 250, Deduct</i>	-0.28	
			<i>For &gt;250 To 500, Deduct</i>	-0.42	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.65	
			<i>For &gt;1,000, Deduct</i>	-0.88	
			<i>For Galvanized Steel, Add</i>	1.00	
			<i>For 304 Stainless Steel, Add</i>	4.62	
			<i>For High Strength Steel (HSS), Add</i>	1.08	
05 12 23 00-0417	LF		1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron .....	5.39	2.83
			<i>For &gt;100 To 250, Deduct</i>	-0.28	
			<i>For &gt;250 To 500, Deduct</i>	-0.42	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.65	
			<i>For &gt;1,000, Deduct</i>	-0.88	
			<i>For Galvanized Steel, Add</i>	1.00	
			<i>For 304 Stainless Steel, Add</i>	4.62	
			<i>For High Strength Steel (HSS), Add</i>	1.08	
05 12 23 00-0418	LF		1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron .....	6.47	3.39
			<i>For &gt;100 To 250, Deduct</i>	-0.34	
			<i>For &gt;250 To 500, Deduct</i>	-0.50	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.78	
			<i>For &gt;1,000, Deduct</i>	-1.05	
			<i>For Galvanized Steel, Add</i>	1.21	
			<i>For 304 Stainless Steel, Add</i>	5.56	
			<i>For High Strength Steel (HSS), Add</i>	1.29	
05 12 23 00-0419	LF		2" x 2" x 1/8" Thick, Plain Steel Angle Iron.....	8.80	4.60
			<i>For &gt;100 To 250, Deduct</i>	-0.46	
			<i>For &gt;250 To 500, Deduct</i>	-0.68	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.05	
			<i>For &gt;1,000, Deduct</i>	-1.43	
			<i>For Galvanized Steel, Add</i>	1.65	
			<i>For 304 Stainless Steel, Add</i>	7.58	
			<i>For High Strength Steel (HSS), Add</i>	1.76	
<b>05 12 23 00-0420</b>			<b>3/16" Thick</b> <small>(05 12 23 00-0409)</small>		
05 12 23 00-0421	LF		1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron .....	6.36	2.99
			<i>For &gt;100 To 250, Deduct</i>	-0.30	
			<i>For &gt;250 To 500, Deduct</i>	-0.46	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.72	
			<i>For &gt;1,000, Deduct</i>	-0.97	
			<i>For Galvanized Steel, Add</i>	1.48	
			<i>For 304 Stainless Steel, Add</i>	6.78	
			<i>For High Strength Steel (HSS), Add</i>	1.27	
05 12 23 00-0422	LF		1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron .....	6.36	2.99
			<i>For &gt;100 To 250, Deduct</i>	-0.30	
			<i>For &gt;250 To 500, Deduct</i>	-0.46	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.72	
			<i>For &gt;1,000, Deduct</i>	-0.97	
			<i>For Galvanized Steel, Add</i>	1.48	
			<i>For 304 Stainless Steel, Add</i>	6.78	
			<i>For High Strength Steel (HSS), Add</i>	1.27	
05 12 23 00-0423	LF		1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron .....	7.16	3.21
			<i>For &gt;100 To 250, Deduct</i>	-0.32	
			<i>For &gt;250 To 500, Deduct</i>	-0.50	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.79	
			<i>For &gt;1,000, Deduct</i>	-1.07	
			<i>For Galvanized Steel, Add</i>	1.79	
			<i>For 304 Stainless Steel, Add</i>	8.24	
			<i>For High Strength Steel (HSS), Add</i>	1.43	
05 12 23 00-0424	LF		2" x 2" x 3/16" Thick, Plain Steel Angle Iron.....	8.51	3.44
			<i>For &gt;100 To 250, Deduct</i>	-0.34	
			<i>For &gt;250 To 500, Deduct</i>	-0.56	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.88	
			<i>For &gt;1,000, Deduct</i>	-1.21	
			<i>For Galvanized Steel, Add</i>	2.44	
			<i>For 304 Stainless Steel, Add</i>	11.20	
			<i>For High Strength Steel (HSS), Add</i>	1.70	
05 12 23 00-0425	LF		2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron .....	9.33	3.68
			<i>For &gt;100 To 250, Deduct</i>	-0.37	
			<i>For &gt;250 To 500, Deduct</i>	-0.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.96	
			<i>For &gt;1,000, Deduct</i>	-1.31	
			<i>For Galvanized Steel, Add</i>	2.75	
			<i>For 304 Stainless Steel, Add</i>	12.63	
			<i>For High Strength Steel (HSS), Add</i>	1.87	
05 12 23 00-0426	LF		2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron .....	10.20	3.94
			<i>For &gt;100 To 250, Deduct</i>	-0.39	
			<i>For &gt;250 To 500, Deduct</i>	-0.65	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.04	
			<i>For &gt;1,000, Deduct</i>	-1.42	
			<i>For Galvanized Steel, Add</i>	3.07	
			<i>For 304 Stainless Steel, Add</i>	14.11	
			<i>For High Strength Steel (HSS), Add</i>	2.04	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0427 LF 3" x 2" x 3/16" Thick, Plain Steel Angle Iron .....	10.19	3.94
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.65	
For >500 To 1,000, Deduct	-1.03	
For >1,000, Deduct	-1.42	
For Galvanized Steel, Add	3.06	
For 304 Stainless Steel, Add	14.08	
For High Strength Steel (HSS), Add	2.04	
05 12 23 00-0428 LF 3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron .....	11.26	4.35
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.72	
For >500 To 1,000, Deduct	-1.14	
For >1,000, Deduct	-1.57	
For Galvanized Steel, Add	3.39	
For 304 Stainless Steel, Add	15.56	
For High Strength Steel (HSS), Add	2.25	
05 12 23 00-0429 LF 3" x 3" x 3/16" Thick, Plain Steel Angle Iron .....	12.32	4.76
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.78	
For >500 To 1,000, Deduct	-1.25	
For >1,000, Deduct	-1.72	
For Galvanized Steel, Add	3.70	
For 304 Stainless Steel, Add	17.01	
For High Strength Steel (HSS), Add	2.46	
<b>05 12 23 00-0430 1/4" Thick</b> <small>(05 12 23 00-0409)</small>		
05 12 23 00-0431 LF 1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron .....	7.26	3.16
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.50	
For >500 To 1,000, Deduct	-0.78	
For >1,000, Deduct	-1.07	
For Galvanized Steel, Add	1.89	
For 304 Stainless Steel, Add	8.69	
For High Strength Steel (HSS), Add	1.45	
05 12 23 00-0432 LF 1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	8.24	3.38
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.54	
For >500 To 1,000, Deduct	-0.86	
For >1,000, Deduct	-1.18	
For Galvanized Steel, Add	2.31	
For 304 Stainless Steel, Add	10.63	
For High Strength Steel (HSS), Add	1.65	
05 12 23 00-0433 LF 2" x 2" x 1/4" Thick, Plain Steel Angle Iron .....	9.93	3.60
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.61	
For >500 To 1,000, Deduct	-0.98	
For >1,000, Deduct	-1.35	
For Galvanized Steel, Add	3.17	
For 304 Stainless Steel, Add	14.59	
For High Strength Steel (HSS), Add	1.99	
05 12 23 00-0434 LF 2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron .....	11.15	3.99
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.68	
For >500 To 1,000, Deduct	-1.09	
For >1,000, Deduct	-1.50	
For Galvanized Steel, Add	3.61	
For 304 Stainless Steel, Add	16.62	
For High Strength Steel (HSS), Add	2.23	
05 12 23 00-0435 LF 2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	12.42	4.37
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.75	
For >500 To 1,000, Deduct	-1.21	
For >1,000, Deduct	-1.66	
For Galvanized Steel, Add	4.08	
For 304 Stainless Steel, Add	18.75	
For High Strength Steel (HSS), Add	2.48	
05 12 23 00-0436 LF 3" x 2" x 1/4" Thick, Plain Steel Angle Iron .....	12.42	4.37
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.75	
For >500 To 1,000, Deduct	-1.21	
For >1,000, Deduct	-1.66	
For Galvanized Steel, Add	4.08	
For 304 Stainless Steel, Add	18.75	
For High Strength Steel (HSS), Add	2.48	
05 12 23 00-0437 LF 3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	13.72	4.86
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.83	
For >500 To 1,000, Deduct	-1.33	
For >1,000, Deduct	-1.84	
For Galvanized Steel, Add	4.49	
For 304 Stainless Steel, Add	20.63	
For High Strength Steel (HSS), Add	2.74	

<b>05</b>	<b>Metals</b>
<b>05 10</b>	<b>Structural Metal Framing</b>
<b>05 12</b>	<b>Structural Steel Framing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0438 LF 3" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	14.99	5.34
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.91	
For >500 To 1,000, Deduct	-1.46	
For >1,000, Deduct	-2.01	
For Galvanized Steel, Add	4.88	
For 304 Stainless Steel, Add	22.43	
For High Strength Steel (HSS), Add	3.00	
05 12 23 00-0439 LF 3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron .....	16.32	5.74
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-0.98	
For >500 To 1,000, Deduct	-1.58	
For >1,000, Deduct	-2.18	
For Galvanized Steel, Add	5.38	
For 304 Stainless Steel, Add	24.71	
For High Strength Steel (HSS), Add	3.26	
05 12 23 00-0440 LF 3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	17.33	0.59
For >100 To 250, Deduct	-0.60	
For >250 To 500, Deduct	-1.03	
For >500 To 1,000, Deduct	-1.67	
For >1,000, Deduct	-2.30	
For Galvanized Steel, Add	5.79	
For 304 Stainless Steel, Add	26.62	
For High Strength Steel (HSS), Add	3.47	
05 12 23 00-0441 LF 4" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	17.33	6.00
For >100 To 250, Deduct	-0.60	
For >250 To 500, Deduct	-1.03	
For >500 To 1,000, Deduct	-1.67	
For >1,000, Deduct	-2.30	
For Galvanized Steel, Add	5.79	
For 304 Stainless Steel, Add	26.62	
For High Strength Steel (HSS), Add	3.47	
05 12 23 00-0442 LF 4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	18.28	6.25
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-1.08	
For >500 To 1,000, Deduct	-1.75	
For >1,000, Deduct	-2.41	
For Galvanized Steel, Add	6.17	
For 304 Stainless Steel, Add	28.36	
For High Strength Steel (HSS), Add	3.66	
05 12 23 00-0443 LF 4" x 4" x 1/4" Thick, Plain Steel Angle Iron.....	19.30	6.51
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-1.13	
For >500 To 1,000, Deduct	-1.83	
For >1,000, Deduct	-2.53	
For Galvanized Steel, Add	6.58	
For 304 Stainless Steel, Add	30.27	
For High Strength Steel (HSS), Add	3.86	
05 12 23 00-0444 LF 5" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	19.30	6.51
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-1.13	
For >500 To 1,000, Deduct	-1.83	
For >1,000, Deduct	-2.53	
For Galvanized Steel, Add	6.58	
For 304 Stainless Steel, Add	30.27	
For High Strength Steel (HSS), Add	3.86	
05 12 23 00-0445 LF 5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	20.39	6.86
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.20	
For >500 To 1,000, Deduct	-1.93	
For >1,000, Deduct	-2.67	
For Galvanized Steel, Add	6.97	
For 304 Stainless Steel, Add	32.03	
For High Strength Steel (HSS), Add	4.08	
<b>05 12 23 00-0446 5/16" Thick</b> <small>(05 12 23 00-0409)</small>		
05 12 23 00-0447 LF 2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron .....	13.43	4.64
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.80	
For >500 To 1,000, Deduct	-1.29	
For >1,000, Deduct	-1.78	
For Galvanized Steel, Add	4.49	
For 304 Stainless Steel, Add	20.63	
For High Strength Steel (HSS), Add	2.69	
05 12 23 00-0448 LF 2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	14.61	4.92
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.86	
For >500 To 1,000, Deduct	-1.39	
For >1,000, Deduct	-1.92	
For Galvanized Steel, Add	4.99	
For 304 Stainless Steel, Add	22.94	
For High Strength Steel (HSS), Add	2.92	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0449	LF	3" x 2" x 5/16" Thick, Plain Steel Angle Iron	.....	14.61	4.92
		<i>For &gt;100 To 250, Deduct</i>		-0.49	
		<i>For &gt;250 To 500, Deduct</i>		-0.86	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.39	
		<i>For &gt;1,000, Deduct</i>		-1.92	
		<i>For Galvanized Steel, Add</i>		4.99	
		<i>For 304 Stainless Steel, Add</i>		22.94	
		<i>For High Strength Steel (HSS), Add</i>		2.92	
05 12 23 00-0450	LF	3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	.....	16.20	5.39
		<i>For &gt;100 To 250, Deduct</i>		-0.54	
		<i>For &gt;250 To 500, Deduct</i>		-0.94	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.53	
		<i>For &gt;1,000, Deduct</i>		-2.11	
		<i>For Galvanized Steel, Add</i>		5.59	
		<i>For 304 Stainless Steel, Add</i>		25.68	
		<i>For High Strength Steel (HSS), Add</i>		3.24	
05 12 23 00-0451	LF	3" x 3" x 5/16" Thick, Plain Steel Angle Iron	.....	17.63	5.87
		<i>For &gt;100 To 250, Deduct</i>		-0.59	
		<i>For &gt;250 To 500, Deduct</i>		-1.03	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.66	
		<i>For &gt;1,000, Deduct</i>		-2.30	
		<i>For Galvanized Steel, Add</i>		6.09	
		<i>For 304 Stainless Steel, Add</i>		27.99	
		<i>For High Strength Steel (HSS), Add</i>		3.53	
05 12 23 00-0452	LF	3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron	.....	18.83	6.16
		<i>For &gt;100 To 250, Deduct</i>		-0.62	
		<i>For &gt;250 To 500, Deduct</i>		-1.09	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.76	
		<i>For &gt;1,000, Deduct</i>		-2.44	
		<i>For Galvanized Steel, Add</i>		6.58	
		<i>For 304 Stainless Steel, Add</i>		30.27	
		<i>For High Strength Steel (HSS), Add</i>		3.77	
05 12 23 00-0453	LF	3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	.....	20.18	6.46
		<i>For &gt;100 To 250, Deduct</i>		-0.65	
		<i>For &gt;250 To 500, Deduct</i>		-1.15	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.87	
		<i>For &gt;1,000, Deduct</i>		-2.59	
		<i>For Galvanized Steel, Add</i>		7.17	
		<i>For 304 Stainless Steel, Add</i>		32.95	
		<i>For High Strength Steel (HSS), Add</i>		4.04	
05 12 23 00-0454	LF	4" x 3" x 5/16" Thick, Plain Steel Angle Iron	.....	20.18	6.46
		<i>For &gt;100 To 250, Deduct</i>		-0.65	
		<i>For &gt;250 To 500, Deduct</i>		-1.15	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.87	
		<i>For &gt;1,000, Deduct</i>		-2.59	
		<i>For Galvanized Steel, Add</i>		7.17	
		<i>For 304 Stainless Steel, Add</i>		32.95	
		<i>For High Strength Steel (HSS), Add</i>		4.04	
05 12 23 00-0455	LF	4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	.....	21.47	6.83
		<i>For &gt;100 To 250, Deduct</i>		-0.68	
		<i>For &gt;250 To 500, Deduct</i>		-1.22	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.98	
		<i>For &gt;1,000, Deduct</i>		-2.75	
		<i>For Galvanized Steel, Add</i>		7.66	
		<i>For 304 Stainless Steel, Add</i>		35.23	
		<i>For High Strength Steel (HSS), Add</i>		4.29	
05 12 23 00-0456	LF	4" x 4" x 5/16" Thick, Plain Steel Angle Iron	.....	22.72	7.14
		<i>For &gt;100 To 250, Deduct</i>		-0.71	
		<i>For &gt;250 To 500, Deduct</i>		-1.28	
		<i>For &gt;500 To 1,000, Deduct</i>		-2.09	
		<i>For &gt;1,000, Deduct</i>		-2.89	
		<i>For Galvanized Steel, Add</i>		8.18	
		<i>For 304 Stainless Steel, Add</i>		37.62	
		<i>For High Strength Steel (HSS), Add</i>		4.54	
05 12 23 00-0457	LF	5" x 3" x 5/16" Thick, Plain Steel Angle Iron	.....	22.72	7.14
		<i>For &gt;100 To 250, Deduct</i>		-0.71	
		<i>For &gt;250 To 500, Deduct</i>		-1.28	
		<i>For &gt;500 To 1,000, Deduct</i>		-2.09	
		<i>For &gt;1,000, Deduct</i>		-2.89	
		<i>For Galvanized Steel, Add</i>		8.18	
		<i>For 304 Stainless Steel, Add</i>		37.62	
		<i>For High Strength Steel (HSS), Add</i>		4.54	
05 12 23 00-0458	LF	5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	.....	23.88	7.44
		<i>For &gt;100 To 250, Deduct</i>		-0.74	
		<i>For &gt;250 To 500, Deduct</i>		-1.34	
		<i>For &gt;500 To 1,000, Deduct</i>		-2.19	
		<i>For &gt;1,000, Deduct</i>		-3.03	
		<i>For Galvanized Steel, Add</i>		8.66	
		<i>For 304 Stainless Steel, Add</i>		39.81	
		<i>For High Strength Steel (HSS), Add</i>		4.78	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0459	LF		5" x 5" x 5/16" Thick, Plain Steel Angle Iron.....	26.91	7.75
			<i>For &gt;100 To 250, Deduct</i>	-0.77	
			<i>For &gt;250 To 500, Deduct</i>	-1.45	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.38	
			<i>For &gt;1,000, Deduct</i>	-3.31	
			<i>For Galvanized Steel, Add</i>	10.28	
			<i>For 304 Stainless Steel, Add</i>	47.25	
			<i>For High Strength Steel (HSS), Add</i>	5.38	
05 12 23 00-0460	LF		6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	26.50	8.07
			<i>For &gt;100 To 250, Deduct</i>	-0.81	
			<i>For &gt;250 To 500, Deduct</i>	-1.47	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.40	
			<i>For &gt;1,000, Deduct</i>	-3.33	
			<i>For Galvanized Steel, Add</i>	9.75	
			<i>For 304 Stainless Steel, Add</i>	44.83	
			<i>For High Strength Steel (HSS), Add</i>	5.30	
<b>05 12 23 00-0461</b>			<b>3/8" Thick (05 12 23 00-0409)</b>		
05 12 23 00-0462	LF		3" x 2" x 3/8" Thick, Plain Steel Angle Iron.....	16.33	5.15
			<i>For &gt;100 To 250, Deduct</i>	-0.51	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.50	
			<i>For &gt;1,000, Deduct</i>	-2.08	
			<i>For Galvanized Steel, Add</i>	5.87	
			<i>For 304 Stainless Steel, Add</i>	26.99	
			<i>For High Strength Steel (HSS), Add</i>	3.27	
05 12 23 00-0463	LF		3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	18.06	5.57
			<i>For &gt;100 To 250, Deduct</i>	-0.56	
			<i>For &gt;250 To 500, Deduct</i>	-1.01	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.65	
			<i>For &gt;1,000, Deduct</i>	-2.28	
			<i>For Galvanized Steel, Add</i>	6.58	
			<i>For 304 Stainless Steel, Add</i>	30.27	
			<i>For High Strength Steel (HSS), Add</i>	3.61	
05 12 23 00-0464	LF		3" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	19.56	6.01
			<i>For &gt;100 To 250, Deduct</i>	-0.60	
			<i>For &gt;250 To 500, Deduct</i>	-1.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.78	
			<i>For &gt;1,000, Deduct</i>	-2.47	
			<i>For Galvanized Steel, Add</i>	7.17	
			<i>For 304 Stainless Steel, Add</i>	32.95	
			<i>For High Strength Steel (HSS), Add</i>	3.91	
05 12 23 00-0465	LF		3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron .....	20.94	6.17
			<i>For &gt;100 To 250, Deduct</i>	-0.62	
			<i>For &gt;250 To 500, Deduct</i>	-1.14	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.87	
			<i>For &gt;1,000, Deduct</i>	-2.60	
			<i>For Galvanized Steel, Add</i>	7.89	
			<i>For 304 Stainless Steel, Add</i>	36.25	
			<i>For High Strength Steel (HSS), Add</i>	4.19	
05 12 23 00-0466	LF		3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	22.33	6.51
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-1.21	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.98	
			<i>For &gt;1,000, Deduct</i>	-2.76	
			<i>For Galvanized Steel, Add</i>	8.46	
			<i>For 304 Stainless Steel, Add</i>	38.90	
			<i>For High Strength Steel (HSS), Add</i>	4.47	
05 12 23 00-0467	LF		4" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	22.33	6.51
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-1.21	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.98	
			<i>For &gt;1,000, Deduct</i>	-2.76	
			<i>For Galvanized Steel, Add</i>	8.46	
			<i>For 304 Stainless Steel, Add</i>	38.90	
			<i>For High Strength Steel (HSS), Add</i>	4.47	
05 12 23 00-0468	LF		4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	24.06	7.10
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-1.31	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.15	
			<i>For &gt;1,000, Deduct</i>	-2.99	
			<i>For Galvanized Steel, Add</i>	9.06	
			<i>For 304 Stainless Steel, Add</i>	41.64	
			<i>For High Strength Steel (HSS), Add</i>	4.81	
05 12 23 00-0469	LF		4" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	25.46	7.30
			<i>For &gt;100 To 250, Deduct</i>	-0.73	
			<i>For &gt;250 To 500, Deduct</i>	-1.37	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.25	
			<i>For &gt;1,000, Deduct</i>	-3.13	
			<i>For Galvanized Steel, Add</i>	9.75	
			<i>For 304 Stainless Steel, Add</i>	44.83	
			<i>For High Strength Steel (HSS), Add</i>	5.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0470 LF 5" x 3" x 3/8" Thick, Plain Steel Angle Iron .....	25.85	7.59
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-1.41	
For >500 To 1,000, Deduct	-2.30	
For >1,000, Deduct	-3.20	
For Galvanized Steel, Add	9.75	
For 304 Stainless Steel, Add	44.83	
For High Strength Steel (HSS), Add	5.17	
05 12 23 00-0471 LF 5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	27.61	8.17
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.51	
For >500 To 1,000, Deduct	-2.47	
For >1,000, Deduct	-3.43	
For Galvanized Steel, Add	10.35	
For 304 Stainless Steel, Add	47.60	
For High Strength Steel (HSS), Add	5.52	
05 12 23 00-0472 LF 5" x 5" x 3/8" Thick, Plain Steel Angle Iron .....	32.50	9.53
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.77	
For >500 To 1,000, Deduct	-2.90	
For >1,000, Deduct	-4.03	
For Galvanized Steel, Add	12.28	
For 304 Stainless Steel, Add	56.43	
For High Strength Steel (HSS), Add	6.50	
05 12 23 00-0473 LF 6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	30.59	8.86
For >100 To 250, Deduct	-0.89	
For >250 To 500, Deduct	-1.65	
For >500 To 1,000, Deduct	-2.71	
For >1,000, Deduct	-3.77	
For Galvanized Steel, Add	11.64	
For 304 Stainless Steel, Add	53.52	
For High Strength Steel (HSS), Add	6.12	
05 12 23 00-0474 LF 6" x 4" x 3/8" Thick, Plain Steel Angle Iron .....	32.50	9.53
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.77	
For >500 To 1,000, Deduct	-2.90	
For >1,000, Deduct	-4.03	
For Galvanized Steel, Add	12.28	
For 304 Stainless Steel, Add	56.43	
For High Strength Steel (HSS), Add	6.50	
05 12 23 00-0475 LF 6" x 6" x 3/8" Thick, Plain Steel Angle Iron .....	39.22	11.44
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-2.12	
For >500 To 1,000, Deduct	-3.49	
For >1,000, Deduct	-4.85	
For Galvanized Steel, Add	14.87	
For 304 Stainless Steel, Add	68.34	
For High Strength Steel (HSS), Add	7.84	
05 12 23 00-0476 LF 7" x 4" x 3/8" Thick, Plain Steel Angle Iron .....	35.86	10.48
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.95	
For >500 To 1,000, Deduct	-3.19	
For >1,000, Deduct	-4.44	
For Galvanized Steel, Add	13.57	
For 304 Stainless Steel, Add	62.36	
For High Strength Steel (HSS), Add	7.17	
<b>05 12 23 00-0477 1/2" Thick</b> <small>(05 12 23 00-0409)</small>		
05 12 23 00-0478 LF 3" x 3" x 1/2" Thick, Plain Steel Angle Iron .....	23.31	6.14
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-1.20	
For >500 To 1,000, Deduct	-1.98	
For >1,000, Deduct	-2.77	
For Galvanized Steel, Add	9.38	
For 304 Stainless Steel, Add	43.12	
For High Strength Steel (HSS), Add	4.66	
05 12 23 00-0479 LF 4" x 3" x 1/2" Thick, Plain Steel Angle Iron .....	27.54	7.25
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-1.41	
For >500 To 1,000, Deduct	-2.34	
For >1,000, Deduct	-3.27	
For Galvanized Steel, Add	11.08	
For 304 Stainless Steel, Add	50.93	
For High Strength Steel (HSS), Add	5.51	
05 12 23 00-0480 LF 4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron .....	29.50	7.77
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-1.51	
For >500 To 1,000, Deduct	-2.51	
For >1,000, Deduct	-3.51	
For Galvanized Steel, Add	11.87	
For 304 Stainless Steel, Add	54.58	
For High Strength Steel (HSS), Add	5.90	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0481	LF		4" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	31.74	8.36
			<i>For &gt;100 To 250, Deduct</i>	-0.84	
			<i>For &gt;250 To 500, Deduct</i>	-1.63	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.70	
			<i>For &gt;1,000, Deduct</i>	-3.77	
			<i>For Galvanized Steel, Add</i>	12.77	
			<i>For 304 Stainless Steel, Add</i>	58.71	
			<i>For High Strength Steel (HSS), Add</i>	6.35	
05 12 23 00-0482	LF		5" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	31.74	8.36
			<i>For &gt;100 To 250, Deduct</i>	-0.84	
			<i>For &gt;250 To 500, Deduct</i>	-1.63	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.70	
			<i>For &gt;1,000, Deduct</i>	-3.77	
			<i>For Galvanized Steel, Add</i>	12.77	
			<i>For 304 Stainless Steel, Add</i>	58.71	
			<i>For High Strength Steel (HSS), Add</i>	6.35	
05 12 23 00-0483	LF		5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron .....	33.72	8.88
			<i>For &gt;100 To 250, Deduct</i>	-0.89	
			<i>For &gt;250 To 500, Deduct</i>	-1.73	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.87	
			<i>For &gt;1,000, Deduct</i>	-4.01	
			<i>For Galvanized Steel, Add</i>	13.57	
			<i>For 304 Stainless Steel, Add</i>	62.39	
			<i>For High Strength Steel (HSS), Add</i>	6.74	
05 12 23 00-0484	LF		5" x 5" x 1/2" Thick, Plain Steel Angle Iron.....	40.17	10.57
			<i>For &gt;100 To 250, Deduct</i>	-1.06	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.42	
			<i>For &gt;1,000, Deduct</i>	-4.78	
			<i>For Galvanized Steel, Add</i>	16.16	
			<i>For 304 Stainless Steel, Add</i>	74.30	
			<i>For High Strength Steel (HSS), Add</i>	8.03	
05 12 23 00-0485	LF		6" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	40.17	10.57
			<i>For &gt;100 To 250, Deduct</i>	-1.06	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.42	
			<i>For &gt;1,000, Deduct</i>	-4.78	
			<i>For Galvanized Steel, Add</i>	16.16	
			<i>For 304 Stainless Steel, Add</i>	74.30	
			<i>For High Strength Steel (HSS), Add</i>	8.03	
05 12 23 00-0486	LF		6" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	48.60	12.79
			<i>For &gt;100 To 250, Deduct</i>	-1.28	
			<i>For &gt;250 To 500, Deduct</i>	-2.49	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.14	
			<i>For &gt;1,000, Deduct</i>	-5.78	
			<i>For Galvanized Steel, Add</i>	19.55	
			<i>For 304 Stainless Steel, Add</i>	89.89	
			<i>For High Strength Steel (HSS), Add</i>	9.72	
05 12 23 00-0487	LF		7" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	44.37	11.68
			<i>For &gt;100 To 250, Deduct</i>	-1.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.78	
			<i>For &gt;1,000, Deduct</i>	-5.27	
			<i>For Galvanized Steel, Add</i>	17.86	
			<i>For 304 Stainless Steel, Add</i>	82.08	
			<i>For High Strength Steel (HSS), Add</i>	8.87	
05 12 23 00-0488	LF		8" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	48.60	12.79
			<i>For &gt;100 To 250, Deduct</i>	-1.28	
			<i>For &gt;250 To 500, Deduct</i>	-2.49	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.14	
			<i>For &gt;1,000, Deduct</i>	-5.78	
			<i>For Galvanized Steel, Add</i>	19.55	
			<i>For 304 Stainless Steel, Add</i>	89.89	
			<i>For High Strength Steel (HSS), Add</i>	9.72	
05 12 23 00-0489	LF		8" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	57.04	15.02
			<i>For &gt;100 To 250, Deduct</i>	-1.50	
			<i>For &gt;250 To 500, Deduct</i>	-2.93	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.85	
			<i>For &gt;1,000, Deduct</i>	-6.78	
			<i>For Galvanized Steel, Add</i>	22.95	
			<i>For 304 Stainless Steel, Add</i>	105.51	
			<i>For High Strength Steel (HSS), Add</i>	11.41	
05 12 23 00-0490	LF		8" x 8" x 1/2" Thick, Plain Steel Angle Iron.....	65.46	17.24
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-3.36	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.57	
			<i>For &gt;1,000, Deduct</i>	-7.78	
			<i>For Galvanized Steel, Add</i>	26.34	
			<i>For 304 Stainless Steel, Add</i>	121.07	
			<i>For High Strength Steel (HSS), Add</i>	13.09	

05 12 23 00-0491 5/8" Thick (05 12 23 00-0409)



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0492 LF 4" x 4" x 5/8" Thick, Plain Steel Angle Iron .....	38.04	9.58
For >100 To 250, Deduct	-0.96	
For >250 To 500, Deduct	-1.91	
For >500 To 1,000, Deduct	-3.18	
For >1,000, Deduct	-4.45	
For Galvanized Steel, Add	15.67	
For High Strength Steel (HSS), Add	7.61	
05 12 23 00-0493 LF 5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron .....	40.72	10.25
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-2.04	
For >500 To 1,000, Deduct	-3.40	
For >1,000, Deduct	-4.76	
For Galvanized Steel, Add	16.77	
For High Strength Steel (HSS), Add	8.14	
05 12 23 00-0494 LF 5" x 5" x 5/8" Thick, Plain Steel Angle Iron .....	48.45	12.20
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-2.43	
For >500 To 1,000, Deduct	-4.05	
For >1,000, Deduct	-5.67	
For Galvanized Steel, Add	19.95	
For High Strength Steel (HSS), Add	9.69	
05 12 23 00-0495 LF 6" x 4" x 5/8" Thick, Plain Steel Angle Iron .....	48.45	12.20
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-2.43	
For >500 To 1,000, Deduct	-4.05	
For >1,000, Deduct	-5.67	
For Galvanized Steel, Add	19.95	
For High Strength Steel (HSS), Add	9.69	
05 12 23 00-0496 LF 6" x 6" x 5/8" Thick, Plain Steel Angle Iron .....	58.64	14.77
For >100 To 250, Deduct	-1.48	
For >250 To 500, Deduct	-2.94	
For >500 To 1,000, Deduct	-4.90	
For >1,000, Deduct	-6.86	
For Galvanized Steel, Add	24.15	
For High Strength Steel (HSS), Add	11.73	
05 12 23 00-0497 LF 7" x 4" x 5/8" Thick, Plain Steel Angle Iron .....	53.54	13.49
For >100 To 250, Deduct	-1.35	
For >250 To 500, Deduct	-2.69	
For >500 To 1,000, Deduct	-4.47	
For >1,000, Deduct	-6.26	
For Galvanized Steel, Add	22.05	
For High Strength Steel (HSS), Add	10.71	
05 12 23 00-0498 LF 8" x 6" x 5/8" Thick, Plain Steel Angle Iron .....	69.05	17.39
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-3.46	
For >500 To 1,000, Deduct	-5.77	
For >1,000, Deduct	-8.08	
For Galvanized Steel, Add	28.44	
For High Strength Steel (HSS), Add	13.81	
05 12 23 00-0499 LF 8" x 8" x 5/8" Thick, Plain Steel Angle Iron .....	79.23	19.95
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-3.98	
For >500 To 1,000, Deduct	-6.62	
For >1,000, Deduct	-9.27	
For Galvanized Steel, Add	32.63	
For High Strength Steel (HSS), Add	15.85	
<b>05 12 23 00-0500 3/4" Thick</b> <small>(05 12 23 00-0499)</small>		
05 12 23 00-0501 LF 4" x 4" x 3/4" Thick, Plain Steel Angle Iron .....	43.90	10.58
For >100 To 250, Deduct	-1.06	
For >250 To 500, Deduct	-2.16	
For >500 To 1,000, Deduct	-3.61	
For >1,000, Deduct	-5.06	
For Galvanized Steel, Add	18.47	
For High Strength Steel (HSS), Add	8.78	
05 12 23 00-0502 LF 5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron .....	46.96	11.33
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-2.31	
For >500 To 1,000, Deduct	-3.86	
For >1,000, Deduct	-5.41	
For Galvanized Steel, Add	19.75	
For High Strength Steel (HSS), Add	9.39	
05 12 23 00-0503 LF 5" x 5" x 3/4" Thick, Plain Steel Angle Iron .....	55.98	13.51
For >100 To 250, Deduct	-1.35	
For >250 To 500, Deduct	-2.75	
For >500 To 1,000, Deduct	-4.60	
For >1,000, Deduct	-6.45	
For Galvanized Steel, Add	23.55	
For High Strength Steel (HSS), Add	11.20	
05 12 23 00-0504 LF 6" x 4" x 3/4" Thick, Plain Steel Angle Iron .....	55.98	13.51
For >100 To 250, Deduct	-1.35	
For >250 To 500, Deduct	-2.75	
For >500 To 1,000, Deduct	-4.60	
For >1,000, Deduct	-6.45	
For Galvanized Steel, Add	23.55	
For High Strength Steel (HSS), Add	11.20	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0505	LF		6" x 6" x 3/4" Thick, Plain Steel Angle Iron.....	68.08	16.41
			<i>For &gt;100 To 250, Deduct</i>	-1.64	
			<i>For &gt;250 To 500, Deduct</i>	-3.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.59	
			<i>For &gt;1,000, Deduct</i>	-7.84	
			<i>For Galvanized Steel, Add</i>	28.64	
			<i>For High Strength Steel (HSS), Add</i>	13.62	
05 12 23 00-0506	LF		7" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	62.14	14.99
			<i>For &gt;100 To 250, Deduct</i>	-1.50	
			<i>For &gt;250 To 500, Deduct</i>	-3.05	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.11	
			<i>For &gt;1,000, Deduct</i>	-7.16	
			<i>For Galvanized Steel, Add</i>	26.14	
			<i>For High Strength Steel (HSS), Add</i>	12.43	
05 12 23 00-0507	LF		8" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	68.08	16.41
			<i>For &gt;100 To 250, Deduct</i>	-1.64	
			<i>For &gt;250 To 500, Deduct</i>	-3.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.59	
			<i>For &gt;1,000, Deduct</i>	-7.84	
			<i>For Galvanized Steel, Add</i>	28.64	
			<i>For High Strength Steel (HSS), Add</i>	13.62	
05 12 23 00-0508	LF		8" x 6" x 3/4" Thick, Plain Steel Angle Iron.....	80.18	19.33
			<i>For &gt;100 To 250, Deduct</i>	-1.93	
			<i>For &gt;250 To 500, Deduct</i>	-3.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.59	
			<i>For &gt;1,000, Deduct</i>	-9.23	
			<i>For Galvanized Steel, Add</i>	33.73	
			<i>For High Strength Steel (HSS), Add</i>	16.04	
05 12 23 00-0509	LF		8" x 8" x 3/4" Thick, Plain Steel Angle Iron.....	92.27	22.25
			<i>For &gt;100 To 250, Deduct</i>	-2.22	
			<i>For &gt;250 To 500, Deduct</i>	-4.53	
			<i>For &gt;500 To 1,000, Deduct</i>	-7.58	
			<i>For &gt;1,000, Deduct</i>	-10.63	
			<i>For Galvanized Steel, Add</i>	38.82	
			<i>For High Strength Steel (HSS), Add</i>	18.45	
<b>05 12 23 00-0510</b>			<b>7/8" Thick</b> <small>(05 12 23 00-0409)</small>		
05 12 23 00-0511	LF		5" x 5" x 7/8" Thick, Plain Steel Angle Iron.....	63.13	14.51
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-3.03	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.09	
			<i>For &gt;1,000, Deduct</i>	-7.15	
			<i>For Galvanized Steel, Add</i>	27.14	
			<i>For High Strength Steel (HSS), Add</i>	12.63	
05 12 23 00-0512	LF		6" x 4" x 7/8" Thick, Plain Steel Angle Iron.....	63.13	14.51
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-3.03	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.09	
			<i>For &gt;1,000, Deduct</i>	-7.15	
			<i>For Galvanized Steel, Add</i>	27.14	
			<i>For High Strength Steel (HSS), Add</i>	12.63	
05 12 23 00-0513	LF		6" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	76.84	17.67
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-3.69	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.20	
			<i>For &gt;1,000, Deduct</i>	-8.71	
			<i>For Galvanized Steel, Add</i>	33.03	
			<i>For High Strength Steel (HSS), Add</i>	15.37	
05 12 23 00-0514	LF		8" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	90.76	20.87
			<i>For &gt;100 To 250, Deduct</i>	-2.09	
			<i>For &gt;250 To 500, Deduct</i>	-4.36	
			<i>For &gt;500 To 1,000, Deduct</i>	-7.32	
			<i>For &gt;1,000, Deduct</i>	-10.29	
			<i>For Galvanized Steel, Add</i>	39.02	
			<i>For High Strength Steel (HSS), Add</i>	18.15	
05 12 23 00-0515	LF		8" x 8" x 7/8" Thick, Plain Steel Angle Iron.....	104.44	24.03
			<i>For &gt;100 To 250, Deduct</i>	-2.40	
			<i>For &gt;250 To 500, Deduct</i>	-5.01	
			<i>For &gt;500 To 1,000, Deduct</i>	-8.42	
			<i>For &gt;1,000, Deduct</i>	-11.84	
			<i>For Galvanized Steel, Add</i>	44.90	
			<i>For High Strength Steel (HSS), Add</i>	20.89	
<b>05 12 23 00-0516</b>			<b>Bar Channel</b> <small>(05 12 23 00-0408)</small>		
05 12 23 00-0517	LF		1" x 1/2" x 1/8" Thick Bar Channel.....	4.96	
			<i>For 316 Stainless Steel, Add</i>	5.60	
			<i>For Aluminum, Add</i>	0.32	
			<i>For Galvanized Steel, Add</i>	1.09	
			<i>For 304 Stainless Steel, Add</i>	4.99	
			<i>For High Strength Steel (HSS), Add</i>	0.99	





<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0518 LF 1-1/4" x 1/2" x 1/8" Thick Bar Channel.....	5.59	
For 316 Stainless Steel, Add	6.72	
For Aluminum, Add	0.38	
For Galvanized Steel, Add	1.30	
For 304 Stainless Steel, Add	5.99	
For High Strength Steel (HSS), Add	1.12	
05 12 23 00-0519 LF 1-1/2" x 1/2" x 1/8" Thick Bar Channel.....	6.09	
For 316 Stainless Steel, Add	7.42	
For Aluminum, Add	0.42	
For Galvanized Steel, Add	1.44	
For 304 Stainless Steel, Add	6.61	
For High Strength Steel (HSS), Add	1.22	
05 12 23 00-0520 LF 1-1/2" x 3/4" x 1/8" Thick Bar Channel.....	6.94	
For 316 Stainless Steel, Add	7.74	
For Aluminum, Add	0.44	
For Galvanized Steel, Add	1.50	
For 304 Stainless Steel, Add	6.90	
For High Strength Steel (HSS), Add	1.39	
05 12 23 00-0521 LF 2" x 1/2" x 1/8" Thick Bar Channel.....	7.48	
For 316 Stainless Steel, Add	9.47	
For Aluminum, Add	0.53	
For Galvanized Steel, Add	1.84	
For 304 Stainless Steel, Add	8.44	
05 12 23 00-0522 LF 2" x 1" x 1/8" Thick Bar Channel.....	9.76	
For 316 Stainless Steel, Add	10.59	
For Aluminum, Add	0.60	
For Galvanized Steel, Add	2.05	
For 304 Stainless Steel, Add	9.43	
<b>05 12 23 00-0523 Channels - C</b> <small>(05 12 23 00-0408)</small>		
05 12 23 00-0524 LF C2 x 1.78 - 2" Wide Channel.....	8.11	3.98
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.60	
For >500 To 1,000, Deduct	-0.94	
For >1,000, Deduct	-1.27	
For 316 Stainless Steel, Add	8.99	
For Aluminum, Add	0.51	
For Galvanized Steel, Add	1.74	
For 304 Stainless Steel, Add	8.01	
05 12 23 00-0525 LF C3 x 4.1 - 3" Wide Channel.....	14.22	5.72
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-0.93	
For >500 To 1,000, Deduct	-1.47	
For >1,000, Deduct	-2.02	
For 316 Stainless Steel, Add	21.12	
For Aluminum, Add	1.19	
For Galvanized Steel, Add	4.09	
For 304 Stainless Steel, Add	18.81	
05 12 23 00-0526 LF C3 x 5 - 3" Wide Channel.....	17.35	6.98
For >100 To 250, Deduct	-0.70	
For >250 To 500, Deduct	-1.13	
For >500 To 1,000, Deduct	-1.80	
For >1,000, Deduct	-2.46	
For 316 Stainless Steel, Add	25.76	
For Aluminum, Add	1.45	
For Galvanized Steel, Add	4.99	
For 304 Stainless Steel, Add	22.94	
05 12 23 00-0527 LF C3 x 6 - 3" Wide Channel.....	20.83	8.37
For >100 To 250, Deduct	-0.84	
For >250 To 500, Deduct	-1.36	
For >500 To 1,000, Deduct	-2.16	
For >1,000, Deduct	-2.96	
For 316 Stainless Steel, Add	30.91	
For Aluminum, Add	1.74	
For Galvanized Steel, Add	5.99	
For 304 Stainless Steel, Add	27.53	
05 12 23 00-0528 LF C4 x 5.4 - 4" Wide Channel.....	17.84	6.86
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.13	
For >500 To 1,000, Deduct	-1.81	
For >1,000, Deduct	-2.48	
For 316 Stainless Steel, Add	27.81	
For Aluminum, Add	1.56	
For Galvanized Steel, Add	5.39	
For 304 Stainless Steel, Add	24.77	
05 12 23 00-0529 LF C4 x 7.25 - 4" Wide Channel.....	23.96	9.21
For >100 To 250, Deduct	-0.92	
For >250 To 500, Deduct	-1.52	
For >500 To 1,000, Deduct	-2.43	
For >1,000, Deduct	-3.33	
For 316 Stainless Steel, Add	37.34	
For Aluminum, Add	2.10	
For Galvanized Steel, Add	7.24	
For 304 Stainless Steel, Add	33.26	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0530	LF		C5 x 6.7 - 5" Wide Channel.....	21.45	8.00
			For >100 To 250, Deduct	-0.80	
			For >250 To 500, Deduct	-1.34	
			For >500 To 1,000, Deduct	-2.14	
			For >1,000, Deduct	-2.94	
			For 316 Stainless Steel, Add	34.50	
			For Aluminum, Add	1.94	
			For Galvanized Steel, Add	6.68	
			For 304 Stainless Steel, Add	30.72	
05 12 23 00-0531	LF		C5 x 9 - 5" Wide Channel.....	28.81	10.75
			For >100 To 250, Deduct	-1.07	
			For >250 To 500, Deduct	-1.80	
			For >500 To 1,000, Deduct	-2.87	
			For >1,000, Deduct	-3.95	
			For 316 Stainless Steel, Add	46.34	
			For Aluminum, Add	2.61	
			For Galvanized Steel, Add	8.98	
			For 304 Stainless Steel, Add	41.27	
05 12 23 00-0532	LF		C6 x 8.2 - 6" Wide Channel.....	26.01	9.61
			For >100 To 250, Deduct	-0.96	
			For >250 To 500, Deduct	-1.61	
			For >500 To 1,000, Deduct	-2.58	
			For >1,000, Deduct	-3.55	
			For 316 Stainless Steel, Add	42.24	
			For Aluminum, Add	2.38	
			For Galvanized Steel, Add	8.18	
			For 304 Stainless Steel, Add	37.62	
05 12 23 00-0533	LF		C6 x 10.5 - 6" Wide Channel.....	33.30	12.31
			For >100 To 250, Deduct	-1.23	
			For >250 To 500, Deduct	-2.06	
			For >500 To 1,000, Deduct	-3.31	
			For >1,000, Deduct	-4.55	
			For 316 Stainless Steel, Add	54.08	
			For Aluminum, Add	3.04	
			For Galvanized Steel, Add	10.48	
			For 304 Stainless Steel, Add	48.17	
05 12 23 00-0534	LF		C6 x 13 - 6" Wide Channel.....	41.23	15.23
			For >100 To 250, Deduct	-1.52	
			For >250 To 500, Deduct	-2.55	
			For >500 To 1,000, Deduct	-4.09	
			For >1,000, Deduct	-5.63	
			For 316 Stainless Steel, Add	66.94	
			For Aluminum, Add	3.77	
			For Galvanized Steel, Add	12.97	
			For 304 Stainless Steel, Add	59.62	
05 12 23 00-0535	LF		C7 x 9.8 - 7" Wide Channel.....	31.02	11.44
			For >100 To 250, Deduct	-1.14	
			For >250 To 500, Deduct	-1.92	
			For >500 To 1,000, Deduct	-3.08	
			For >1,000, Deduct	-4.23	
			For 316 Stainless Steel, Add	50.46	
			For Aluminum, Add	2.84	
			For Galvanized Steel, Add	9.78	
			For 304 Stainless Steel, Add	44.94	
05 12 23 00-0536	LF		C7 x 12.25 - 7" Wide Channel.....	38.77	14.29
			For >100 To 250, Deduct	-1.43	
			For >250 To 500, Deduct	-2.40	
			For >500 To 1,000, Deduct	-3.84	
			For >1,000, Deduct	-5.29	
			For 316 Stainless Steel, Add	63.07	
			For Aluminum, Add	3.55	
			For Galvanized Steel, Add	12.22	
			For 304 Stainless Steel, Add	56.17	
05 12 23 00-0537	LF		C7 x 14.75 - 7" Wide Channel.....	46.70	17.22
			For >100 To 250, Deduct	-1.72	
			For >250 To 500, Deduct	-2.89	
			For >500 To 1,000, Deduct	-4.63	
			For >1,000, Deduct	-6.37	
			For 316 Stainless Steel, Add	75.97	
			For Aluminum, Add	4.27	
			For Galvanized Steel, Add	14.72	
			For 304 Stainless Steel, Add	67.66	
05 12 23 00-0538	LF		C8 x 11.5 - 8" Wide Channel.....	35.29	12.58
			For >100 To 250, Deduct	-1.26	
			For >250 To 500, Deduct	-2.14	
			For >500 To 1,000, Deduct	-3.44	
			For >1,000, Deduct	-4.74	
			For 316 Stainless Steel, Add	59.23	
			For Aluminum, Add	3.33	
			For Galvanized Steel, Add	11.48	
			For 304 Stainless Steel, Add	52.75	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0539 LF C8 x 13.75 - 8" Wide Channel .....	42.19	15.05
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-2.56	
For >500 To 1,000, Deduct	-4.12	
For >1,000, Deduct	-5.67	
For 316 Stainless Steel, Add	70.82	
For Aluminum, Add	3.98	
For Galvanized Steel, Add	13.72	
For 304 Stainless Steel, Add	63.07	
05 12 23 00-0540 LF C8 x 18.75 - 8" Wide Channel .....	57.52	20.52
For >100 To 250, Deduct	-2.05	
For >250 To 500, Deduct	-3.49	
For >500 To 1,000, Deduct	-5.61	
For >1,000, Deduct	-7.73	
For 316 Stainless Steel, Add	96.54	
For Aluminum, Add	5.43	
For Galvanized Steel, Add	18.71	
For 304 Stainless Steel, Add	85.98	
05 12 23 00-0541 LF C9 x 13.4 - 9" Wide Channel .....	41.11	14.67
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-2.49	
For >500 To 1,000, Deduct	-4.01	
For >1,000, Deduct	-5.53	
For 316 Stainless Steel, Add	68.99	
For Aluminum, Add	3.88	
For Galvanized Steel, Add	13.37	
For 304 Stainless Steel, Add	61.45	
05 12 23 00-0542 LF C9 x 15 - 9" Wide Channel .....	46.02	16.41
For >100 To 250, Deduct	-1.64	
For >250 To 500, Deduct	-2.79	
For >500 To 1,000, Deduct	-4.49	
For >1,000, Deduct	-6.19	
For 316 Stainless Steel, Add	77.25	
For Aluminum, Add	4.35	
For Galvanized Steel, Add	14.97	
For 304 Stainless Steel, Add	68.80	
05 12 23 00-0543 LF C9 x 20 - 9" Wide Channel .....	61.36	21.88
For >100 To 250, Deduct	-2.19	
For >250 To 500, Deduct	-3.72	
For >500 To 1,000, Deduct	-5.99	
For >1,000, Deduct	-8.25	
For 316 Stainless Steel, Add	102.98	
For Aluminum, Add	5.79	
For Galvanized Steel, Add	19.95	
For 304 Stainless Steel, Add	91.71	
05 12 23 00-0544 LF C10 x 15.3 - 10" Wide Channel .....	46.94	16.73
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.85	
For >500 To 1,000, Deduct	-4.58	
For >1,000, Deduct	-6.31	
For 316 Stainless Steel, Add	78.78	
For Aluminum, Add	4.43	
For Galvanized Steel, Add	15.26	
For 304 Stainless Steel, Add	70.17	
05 12 23 00-0545 LF C10 x 20 - 10" Wide Channel .....	61.36	21.88
For >100 To 250, Deduct	-2.19	
For >250 To 500, Deduct	-3.72	
For >500 To 1,000, Deduct	-5.99	
For >1,000, Deduct	-8.25	
For 316 Stainless Steel, Add	102.98	
For Aluminum, Add	5.79	
For Galvanized Steel, Add	19.95	
For 304 Stainless Steel, Add	91.71	
05 12 23 00-0546 LF C10 x 25 - 10" Wide Channel .....	76.70	27.35
For >100 To 250, Deduct	-2.74	
For >250 To 500, Deduct	-4.65	
For >500 To 1,000, Deduct	-7.48	
For >1,000, Deduct	-10.31	
For 316 Stainless Steel, Add	128.74	
For Aluminum, Add	7.24	
For Galvanized Steel, Add	24.94	
For 304 Stainless Steel, Add	114.66	
05 12 23 00-0547 LF C10 x 30 - 10" Wide Channel .....	92.04	32.82
For >100 To 250, Deduct	-3.28	
For >250 To 500, Deduct	-5.58	
For >500 To 1,000, Deduct	-8.98	
For >1,000, Deduct	-12.37	
For 316 Stainless Steel, Add	154.50	
For Aluminum, Add	8.69	
For Galvanized Steel, Add	29.93	
For 304 Stainless Steel, Add	137.60	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0548	LF C12 x 20.7 - 12" Wide Channel.....	63.51	22.65
	For >100 To 250, Deduct	-2.27	
	For >250 To 500, Deduct	-3.85	
	For >500 To 1,000, Deduct	-6.20	
	For >1,000, Deduct	-8.54	
	For 316 Stainless Steel, Add	106.59	
	For Aluminum, Add	6.00	
	For Galvanized Steel, Add	20.65	
	For 304 Stainless Steel, Add	94.93	
05 12 23 00-0549	LF C12 x 25 - 12" Wide Channel.....	76.70	27.35
	For >100 To 250, Deduct	-2.74	
	For >250 To 500, Deduct	-4.65	
	For >500 To 1,000, Deduct	-7.48	
	For >1,000, Deduct	-10.31	
	For 316 Stainless Steel, Add	128.74	
	For Aluminum, Add	7.24	
	For Galvanized Steel, Add	24.94	
	For 304 Stainless Steel, Add	114.66	
05 12 23 00-0550	LF C12 x 30 - 12" Wide Channel.....	92.04	32.82
	For >100 To 250, Deduct	-3.28	
	For >250 To 500, Deduct	-5.58	
	For >500 To 1,000, Deduct	-8.98	
	For >1,000, Deduct	-12.37	
	For 316 Stainless Steel, Add	154.50	
	For Aluminum, Add	8.69	
	For Galvanized Steel, Add	29.93	
	For 304 Stainless Steel, Add	137.60	
05 12 23 00-0551	LF C15 x 33.9 - 15" Wide Channel.....	104.00	37.09
	For >100 To 250, Deduct	-3.71	
	For >250 To 500, Deduct	-6.31	
	For >500 To 1,000, Deduct	-10.15	
	For >1,000, Deduct	-13.98	
	For 316 Stainless Steel, Add	174.56	
	For Aluminum, Add	9.82	
	For Galvanized Steel, Add	33.82	
	For 304 Stainless Steel, Add	155.47	
05 12 23 00-0552	LF C15 x 40 - 15" Wide Channel.....	122.72	43.76
	For >100 To 250, Deduct	-4.38	
	For >250 To 500, Deduct	-7.44	
	For >500 To 1,000, Deduct	-11.97	
	For >1,000, Deduct	-16.50	
	For 316 Stainless Steel, Add	205.98	
	For Aluminum, Add	11.59	
	For Galvanized Steel, Add	39.91	
	For 304 Stainless Steel, Add	183.45	
05 12 23 00-0553	LF C15 x 50 - 15" Wide Channel.....	153.40	54.70
	For >100 To 250, Deduct	-5.47	
	For >250 To 500, Deduct	-9.31	
	For >500 To 1,000, Deduct	-14.96	
	For >1,000, Deduct	-20.62	
	For 316 Stainless Steel, Add	257.47	
	For Aluminum, Add	14.48	
	For Galvanized Steel, Add	49.89	
	For 304 Stainless Steel, Add	229.31	
05 12 23 00-0554	Miscellaneous Channels - MC (05 12 23 00-0408)		
05 12 23 00-0555	LF MC6 x 12 - 6" Wide Channel.....	38.06	14.06
	For >100 To 250, Deduct	-1.41	
	For >250 To 500, Deduct	-2.36	
	For >500 To 1,000, Deduct	-3.78	
	For >1,000, Deduct	-5.20	
	For 316 Stainless Steel, Add	61.79	
	For Aluminum, Add	3.48	
	For Galvanized Steel, Add	11.97	
	For 304 Stainless Steel, Add	55.03	
05 12 23 00-0556	LF MC6 x 15.1 - 6" Wide Channel.....	47.89	17.69
	For >100 To 250, Deduct	-1.77	
	For >250 To 500, Deduct	-2.97	
	For >500 To 1,000, Deduct	-4.75	
	For >1,000, Deduct	-6.54	
	For 316 Stainless Steel, Add	77.76	
	For Aluminum, Add	4.37	
	For Galvanized Steel, Add	15.07	
	For 304 Stainless Steel, Add	69.26	
05 12 23 00-0557	LF MC6 x 15.3 - 6" Wide Channel.....	48.52	17.92
	For >100 To 250, Deduct	-1.79	
	For >250 To 500, Deduct	-3.01	
	For >500 To 1,000, Deduct	-4.82	
	For >1,000, Deduct	-6.63	
	For 316 Stainless Steel, Add	78.78	
	For Aluminum, Add	4.43	
	For Galvanized Steel, Add	15.26	
	For 304 Stainless Steel, Add	70.17	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0558 LF MC6 x 16.3 - 6" Wide Channel .....	51.70	19.09
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-3.20	
For >500 To 1,000, Deduct	-5.13	
For >1,000, Deduct	-7.06	
For 316 Stainless Steel, Add	83.94	
For Aluminum, Add	4.72	
For Galvanized Steel, Add	16.26	
For 304 Stainless Steel, Add	74.76	
05 12 23 00-0559 LF MC6 x 18 - 6" Wide Channel .....	57.09	21.09
For >100 To 250, Deduct	-2.11	
For >250 To 500, Deduct	-3.54	
For >500 To 1,000, Deduct	-5.67	
For >1,000, Deduct	-7.80	
For 316 Stainless Steel, Add	92.70	
For Aluminum, Add	5.21	
For Galvanized Steel, Add	17.96	
For 304 Stainless Steel, Add	82.56	
05 12 23 00-0560 LF MC7 x 17.6 - 7" Wide Channel .....	55.71	20.55
For >100 To 250, Deduct	-2.05	
For >250 To 500, Deduct	-3.45	
For >500 To 1,000, Deduct	-5.52	
For >1,000, Deduct	-7.60	
For 316 Stainless Steel, Add	90.62	
For Aluminum, Add	5.10	
For Galvanized Steel, Add	17.56	
For 304 Stainless Steel, Add	80.71	
05 12 23 00-0561 LF MC7 x 19.1 - 7" Wide Channel .....	60.47	22.30
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-3.74	
For >500 To 1,000, Deduct	-6.00	
For >1,000, Deduct	-8.25	
For 316 Stainless Steel, Add	98.37	
For Aluminum, Add	5.53	
For Galvanized Steel, Add	19.06	
For 304 Stainless Steel, Add	87.61	
05 12 23 00-0562 LF MC7 x 22.7 - 7" Wide Channel .....	71.86	26.50
For >100 To 250, Deduct	-2.65	
For >250 To 500, Deduct	-4.45	
For >500 To 1,000, Deduct	-7.13	
For >1,000, Deduct	-9.81	
For 316 Stainless Steel, Add	116.90	
For Aluminum, Add	6.58	
For Galvanized Steel, Add	22.65	
For 304 Stainless Steel, Add	104.11	
05 12 23 00-0563 LF MC8 x 8.5 - 8" Wide Channel .....	26.09	9.30
For >100 To 250, Deduct	-0.93	
For >250 To 500, Deduct	-1.58	
For >500 To 1,000, Deduct	-2.55	
For >1,000, Deduct	-3.51	
For 316 Stainless Steel, Add	43.78	
For Aluminum, Add	2.46	
For Galvanized Steel, Add	8.48	
For 304 Stainless Steel, Add	38.99	
05 12 23 00-0564 LF MC8 x 18.7 - 8" Wide Channel .....	57.37	20.46
For >100 To 250, Deduct	-2.05	
For >250 To 500, Deduct	-3.48	
For >500 To 1,000, Deduct	-5.60	
For >1,000, Deduct	-7.71	
For 316 Stainless Steel, Add	96.29	
For Aluminum, Add	5.42	
For Galvanized Steel, Add	18.66	
For 304 Stainless Steel, Add	85.76	
05 12 23 00-0565 LF MC8 x 20 - 8" Wide Channel .....	61.36	21.88
For >100 To 250, Deduct	-2.19	
For >250 To 500, Deduct	-3.72	
For >500 To 1,000, Deduct	-5.99	
For >1,000, Deduct	-8.25	
For 316 Stainless Steel, Add	102.98	
For Aluminum, Add	5.79	
For Galvanized Steel, Add	19.95	
For 304 Stainless Steel, Add	91.71	
05 12 23 00-0566 LF MC8 x 21.4 - 8" Wide Channel .....	65.67	23.42
For >100 To 250, Deduct	-2.34	
For >250 To 500, Deduct	-3.98	
For >500 To 1,000, Deduct	-6.41	
For >1,000, Deduct	-8.83	
For 316 Stainless Steel, Add	110.21	
For Aluminum, Add	6.20	
For Galvanized Steel, Add	21.35	
For 304 Stainless Steel, Add	98.15	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0567	LF		MC8 x 22.8 - 8" Wide Channel.....	69.94	24.95
			For >100 To 250, Deduct	-2.49	
			For >250 To 500, Deduct	-4.24	
			For >500 To 1,000, Deduct	-6.82	
			For >1,000, Deduct	-9.40	
			For 316 Stainless Steel, Add	117.41	
			For Aluminum, Add	6.60	
			For Galvanized Steel, Add	22.75	
			For 304 Stainless Steel, Add	104.57	
05 12 23 00-0568	LF		MC9 x 23.9 - 9" Wide Channel.....	73.33	26.15
			For >100 To 250, Deduct	-2.62	
			For >250 To 500, Deduct	-4.45	
			For >500 To 1,000, Deduct	-7.15	
			For >1,000, Deduct	-9.86	
			For 316 Stainless Steel, Add	123.07	
			For Aluminum, Add	6.92	
			For Galvanized Steel, Add	23.85	
			For 304 Stainless Steel, Add	109.61	
05 12 23 00-0569	LF		MC9 x 25.4 - 9" Wide Channel.....	77.92	27.79
			For >100 To 250, Deduct	-2.78	
			For >250 To 500, Deduct	-4.73	
			For >500 To 1,000, Deduct	-7.60	
			For >1,000, Deduct	-10.48	
			For 316 Stainless Steel, Add	130.78	
			For Aluminum, Add	7.36	
			For Galvanized Steel, Add	25.34	
			For 304 Stainless Steel, Add	116.48	
05 12 23 00-0570	LF		MC10 x 6.5 - 10" Wide Channel.....	19.95	7.11
			For >100 To 250, Deduct	-0.71	
			For >250 To 500, Deduct	-1.21	
			For >500 To 1,000, Deduct	-1.95	
			For >1,000, Deduct	-2.68	
			For 316 Stainless Steel, Add	33.47	
			For Aluminum, Add	1.88	
			For Galvanized Steel, Add	6.49	
			For 304 Stainless Steel, Add	29.81	
05 12 23 00-0571	LF		MC10 x 8.4 - 10" Wide Channel.....	25.77	9.19
			For >100 To 250, Deduct	-0.92	
			For >250 To 500, Deduct	-1.56	
			For >500 To 1,000, Deduct	-2.51	
			For >1,000, Deduct	-3.46	
			For 316 Stainless Steel, Add	43.26	
			For Aluminum, Add	2.43	
			For Galvanized Steel, Add	8.38	
			For 304 Stainless Steel, Add	38.53	
05 12 23 00-0572	LF		MC10 x 21.9 - 10" Wide Channel.....	67.18	23.97
			For >100 To 250, Deduct	-2.40	
			For >250 To 500, Deduct	-4.08	
			For >500 To 1,000, Deduct	-6.55	
			For >1,000, Deduct	-9.03	
			For 316 Stainless Steel, Add	112.77	
			For Aluminum, Add	6.34	
			For Galvanized Steel, Add	21.85	
			For 304 Stainless Steel, Add	100.43	
05 12 23 00-0573	LF		MC10 x 24.9 - 10" Wide Channel.....	76.40	27.25
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-4.63	
			For >500 To 1,000, Deduct	-7.45	
			For >1,000, Deduct	-10.27	
			For 316 Stainless Steel, Add	128.22	
			For Aluminum, Add	7.21	
			For Galvanized Steel, Add	24.84	
			For 304 Stainless Steel, Add	114.20	
05 12 23 00-0574	LF		MC10 x 25.3 - 10" Wide Channel.....	77.62	27.69
			For >100 To 250, Deduct	-2.77	
			For >250 To 500, Deduct	-4.71	
			For >500 To 1,000, Deduct	-7.57	
			For >1,000, Deduct	-10.44	
			For 316 Stainless Steel, Add	130.27	
			For Aluminum, Add	7.33	
			For Galvanized Steel, Add	25.24	
			For 304 Stainless Steel, Add	116.02	
05 12 23 00-0575	LF		MC10 x 28.3 - 10" Wide Channel.....	86.83	30.96
			For >100 To 250, Deduct	-3.10	
			For >250 To 500, Deduct	-5.27	
			For >500 To 1,000, Deduct	-8.47	
			For >1,000, Deduct	-11.67	
			For 316 Stainless Steel, Add	145.73	
			For Aluminum, Add	8.20	
			For Galvanized Steel, Add	28.23	
			For 304 Stainless Steel, Add	129.79	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0576 LF MC10 x 28.5 - 10" Wide Channel.....	87.44	31.19
For >100 To 250, Deduct	-3.12	
For >250 To 500, Deduct	-5.30	
For >500 To 1,000, Deduct	-8.53	
For >1,000, Deduct	-11.76	
For 316 Stainless Steel, Add	146.75	
For Aluminum, Add	8.25	
For Galvanized Steel, Add	28.43	
For 304 Stainless Steel, Add	130.70	
05 12 23 00-0577 LF MC10 x 33.6 - 10" Wide Channel.....	103.09	36.76
For >100 To 250, Deduct	-3.68	
For >250 To 500, Deduct	-6.25	
For >500 To 1,000, Deduct	-10.06	
For >1,000, Deduct	-13.86	
For 316 Stainless Steel, Add	173.02	
For Aluminum, Add	9.73	
For Galvanized Steel, Add	33.52	
For 304 Stainless Steel, Add	154.10	
05 12 23 00-0578 LF MC10 x 41.1 - 10" Wide Channel.....	126.09	44.97
For >100 To 250, Deduct	-4.50	
For >250 To 500, Deduct	-7.65	
For >500 To 1,000, Deduct	-12.30	
For >1,000, Deduct	-16.95	
For 316 Stainless Steel, Add	211.65	
For Aluminum, Add	11.91	
For Galvanized Steel, Add	41.01	
For 304 Stainless Steel, Add	188.50	
05 12 23 00-0579 LF MC12 x 30.9 - 12" Wide Channel.....	94.81	33.81
For >100 To 250, Deduct	-3.38	
For >250 To 500, Deduct	-5.75	
For >500 To 1,000, Deduct	-9.25	
For >1,000, Deduct	-12.75	
For 316 Stainless Steel, Add	159.10	
For Aluminum, Add	8.95	
For Galvanized Steel, Add	30.83	
For 304 Stainless Steel, Add	141.70	
05 12 23 00-0580 LF MC12 x 32.9 - 12" Wide Channel.....	100.94	35.99
For >100 To 250, Deduct	-3.60	
For >250 To 500, Deduct	-6.12	
For >500 To 1,000, Deduct	-9.85	
For >1,000, Deduct	-13.57	
For 316 Stainless Steel, Add	169.41	
For Aluminum, Add	9.53	
For Galvanized Steel, Add	32.82	
For 304 Stainless Steel, Add	150.88	
05 12 23 00-0581 LF MC12 x 35 - 12" Wide Channel .....	107.38	38.29
For >100 To 250, Deduct	-3.83	
For >250 To 500, Deduct	-6.51	
For >500 To 1,000, Deduct	-10.48	
For >1,000, Deduct	-14.44	
For 316 Stainless Steel, Add	180.22	
For Aluminum, Add	10.14	
For Galvanized Steel, Add	34.92	
For 304 Stainless Steel, Add	160.51	
05 12 23 00-0582 LF MC12 x 37 - 12" Wide Channel .....	113.52	40.49
For >100 To 250, Deduct	-4.05	
For >250 To 500, Deduct	-6.89	
For >500 To 1,000, Deduct	-11.07	
For >1,000, Deduct	-15.26	
For 316 Stainless Steel, Add	190.53	
For Aluminum, Add	10.72	
For Galvanized Steel, Add	36.91	
For 304 Stainless Steel, Add	169.69	
05 12 23 00-0583 LF MC12 x 40 - 12" Wide Channel .....	122.72	43.76
For >100 To 250, Deduct	-4.38	
For >250 To 500, Deduct	-7.44	
For >500 To 1,000, Deduct	-11.97	
For >1,000, Deduct	-16.50	
For 316 Stainless Steel, Add	205.98	
For Aluminum, Add	11.59	
For Galvanized Steel, Add	39.91	
For 304 Stainless Steel, Add	183.45	
05 12 23 00-0584 LF MC12 x 45 - 12" Wide Channel .....	138.06	49.24
For >100 To 250, Deduct	-4.92	
For >250 To 500, Deduct	-8.38	
For >500 To 1,000, Deduct	-13.47	
For >1,000, Deduct	-18.56	
For 316 Stainless Steel, Add	231.71	
For Aluminum, Add	13.03	
For Galvanized Steel, Add	44.89	
For 304 Stainless Steel, Add	206.37	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0585	LF		MC12 x 50 - 12" Wide Channel.....	153.40	54.71
			For >100 To 250, Deduct	-5.47	
			For >250 To 500, Deduct	-9.31	
			For >500 To 1,000, Deduct	-14.96	
			For >1,000, Deduct	-20.62	
			For 316 Stainless Steel, Add	257.47	
			For Aluminum, Add	14.48	
			For Galvanized Steel, Add	49.89	
			For 304 Stainless Steel, Add	229.31	
05 12 23 00-0586	LF		MC13 x 31.8 - 13" Wide Channel.....	97.57	34.80
			For >100 To 250, Deduct	-3.48	
			For >250 To 500, Deduct	-5.92	
			For >500 To 1,000, Deduct	-9.52	
			For >1,000, Deduct	-13.12	
			For 316 Stainless Steel, Add	163.74	
			For Aluminum, Add	9.21	
			For Galvanized Steel, Add	31.73	
			For 304 Stainless Steel, Add	145.83	
05 12 23 00-0587	LF		MC13 x 35 - 13" Wide Channel.....	107.38	38.29
			For >100 To 250, Deduct	-3.83	
			For >250 To 500, Deduct	-6.51	
			For >500 To 1,000, Deduct	-10.48	
			For >1,000, Deduct	-14.44	
			For 316 Stainless Steel, Add	180.22	
			For Aluminum, Add	10.14	
			For Galvanized Steel, Add	34.92	
			For 304 Stainless Steel, Add	160.51	
05 12 23 00-0588	LF		MC13 x 40 - 13" Wide Channel.....	122.72	43.76
			For >100 To 250, Deduct	-4.38	
			For >250 To 500, Deduct	-7.44	
			For >500 To 1,000, Deduct	-11.97	
			For >1,000, Deduct	-16.50	
			For 316 Stainless Steel, Add	205.98	
			For Aluminum, Add	11.59	
			For Galvanized Steel, Add	39.91	
			For 304 Stainless Steel, Add	183.45	
05 12 23 00-0589	LF		MC13 x 50 - 13" Wide Channel.....	153.40	54.71
			For >100 To 250, Deduct	-5.47	
			For >250 To 500, Deduct	-9.31	
			For >500 To 1,000, Deduct	-14.96	
			For >1,000, Deduct	-20.62	
			For 316 Stainless Steel, Add	257.47	
			For Aluminum, Add	14.48	
			For Galvanized Steel, Add	49.89	
			For 304 Stainless Steel, Add	229.31	
05 12 23 00-0590	LF		MC18 x 42.7 - 18" Wide Channel.....	131.00	46.72
			For >100 To 250, Deduct	-4.67	
			For >250 To 500, Deduct	-7.95	
			For >500 To 1,000, Deduct	-12.78	
			For >1,000, Deduct	-17.61	
			For 316 Stainless Steel, Add	219.87	
			For Aluminum, Add	12.37	
			For Galvanized Steel, Add	42.60	
			For 304 Stainless Steel, Add	195.82	
05 12 23 00-0591	LF		MC18 x 45.8 - 18" Wide Channel.....	140.51	50.12
			For >100 To 250, Deduct	-5.01	
			For >250 To 500, Deduct	-8.52	
			For >500 To 1,000, Deduct	-13.71	
			For >1,000, Deduct	-18.89	
			For 316 Stainless Steel, Add	235.84	
			For Aluminum, Add	13.27	
			For Galvanized Steel, Add	45.69	
			For 304 Stainless Steel, Add	210.05	
05 12 23 00-0592	LF		MC18 x 51.9 - 18" Wide Channel.....	159.24	56.79
			For >100 To 250, Deduct	-5.68	
			For >250 To 500, Deduct	-9.66	
			For >500 To 1,000, Deduct	-15.53	
			For >1,000, Deduct	-21.41	
			For 316 Stainless Steel, Add	267.26	
			For Aluminum, Add	15.03	
			For Galvanized Steel, Add	51.78	
			For 304 Stainless Steel, Add	238.03	
05 12 23 00-0593	LF		MC18 x 58 - 18" Wide Channel.....	177.94	63.45
			For >100 To 250, Deduct	-6.35	
			For >250 To 500, Deduct	-10.79	
			For >500 To 1,000, Deduct	-17.36	
			For >1,000, Deduct	-23.92	
			For 316 Stainless Steel, Add	298.66	
			For Aluminum, Add	16.80	
			For Galvanized Steel, Add	57.86	
			For 304 Stainless Steel, Add	265.99	

05 12 23 00-0594 Structural Bar Tees (05 12 23 00-0408)





<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0595 LF 3/4" x 3/4" x 1/8" Structural Bar Tee .....	5.18	2.91
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.42	
For >500 To 1,000, Deduct	-0.65	
For >1,000, Deduct	-0.87	
For 316 Stainless Steel, Add	4.16	
For Aluminum, Add	0.23	
For Galvanized Steel, Add	0.81	
For 304 Stainless Steel, Add	3.71	
05 12 23 00-0596 LF 1" x 1" x 1/8" Structural Bar Tee .....	6.36	3.43
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.50	
For >500 To 1,000, Deduct	-0.78	
For >1,000, Deduct	-1.05	
For 316 Stainless Steel, Add	5.70	
For Aluminum, Add	0.32	
For Galvanized Steel, Add	1.10	
For 304 Stainless Steel, Add	5.07	
05 12 23 00-0597 LF 1-1/2" x 1-1/2" x 1/4" Structural Bar Tee .....	10.38	3.96
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.66	
For >500 To 1,000, Deduct	-1.05	
For >1,000, Deduct	-1.44	
For 316 Stainless Steel, Add	16.32	
For Aluminum, Add	0.92	
For Galvanized Steel, Add	3.16	
For 304 Stainless Steel, Add	14.54	
05 12 23 00-0598 LF 2" x 2" x 1/4" Structural Bar Tee .....	14.51	5.18
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.88	
For >500 To 1,000, Deduct	-1.42	
For >1,000, Deduct	-1.95	
For 316 Stainless Steel, Add	24.32	
For Aluminum, Add	1.37	
For Galvanized Steel, Add	4.71	
For 304 Stainless Steel, Add	21.66	
05 12 23 00-0599 LF 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee .....	21.99	6.25
For >100 To 250, Deduct	-0.63	
For >250 To 500, Deduct	-1.18	
For >500 To 1,000, Deduct	-1.93	
For >1,000, Deduct	-2.69	
For 316 Stainless Steel, Add	43.68	
For Aluminum, Add	2.46	
For Galvanized Steel, Add	8.46	
For 304 Stainless Steel, Add	38.90	
05 12 23 00-0600 LF 3" x 3" x 3/8" Structural Bar Tee .....	27.05	8.00
For >100 To 250, Deduct	-0.80	
For >250 To 500, Deduct	-1.48	
For >500 To 1,000, Deduct	-2.42	
For >1,000, Deduct	-3.36	
For 316 Stainless Steel, Add	52.42	
For Aluminum, Add	2.95	
For Galvanized Steel, Add	10.16	
For 304 Stainless Steel, Add	46.68	
<b>05 12 23 00-0601 Structural Zees</b> <small>(05 12 23 00-0408)</small>		
05 12 23 00-0602 LF 1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee .....	12.89	3.96
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.72	
For >500 To 1,000, Deduct	-1.17	
For >1,000, Deduct	-1.63	
For 316 Stainless Steel, Add	24.35	
For Aluminum, Add	1.37	
For Galvanized Steel, Add	4.72	
For 304 Stainless Steel, Add	21.69	
05 12 23 00-0603 LF 2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee.....	24.50	4.73
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-1.09	
For >500 To 1,000, Deduct	-1.86	
For >1,000, Deduct	-2.63	
For 316 Stainless Steel, Add	58.24	
For Aluminum, Add	3.28	
For Galvanized Steel, Add	11.28	
For 304 Stainless Steel, Add	51.87	
05 12 23 00-0604 LF 3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee.....	29.40	5.34
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-1.27	
For >500 To 1,000, Deduct	-2.18	
For >1,000, Deduct	-3.10	
For 316 Stainless Steel, Add	71.30	
For Aluminum, Add	4.01	
For Galvanized Steel, Add	13.81	
For 304 Stainless Steel, Add	63.50	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0605	LF		3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee.....	39.65	6.10
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-1.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.80	
			<i>For &gt;1,000, Deduct</i>	-3.99	
			<i>For 316 Stainless Steel, Add</i>	100.86	
			<i>For Aluminum, Add</i>	5.67	
			<i>For Galvanized Steel, Add</i>	19.54	
			<i>For 304 Stainless Steel, Add</i>	89.83	
05 12 23 00-0606	LF		3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee.....	51.51	6.63
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-1.95	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.46	
			<i>For &gt;1,000, Deduct</i>	-4.97	
			<i>For 316 Stainless Steel, Add</i>	136.51	
			<i>For Aluminum, Add</i>	7.68	
			<i>For Galvanized Steel, Add</i>	26.45	
			<i>For 304 Stainless Steel, Add</i>	121.58	
<b>05 12 23 00-0607</b>			<b>Junior I-Beams</b> (05 12 23 00-0408)		
05 12 23 00-0608	LF		3" Junior I-Beam, 2.9 LB/LF.....	17.65	5.72
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.01	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.64	
			<i>For &gt;1,000, Deduct</i>	-2.28	
			<i>For 316 Stainless Steel, Add</i>	32.10	
			<i>For Aluminum, Add</i>	1.81	
			<i>For Galvanized Steel, Add</i>	6.22	
			<i>For 304 Stainless Steel, Add</i>	28.59	
05 12 23 00-0609	LF		4" Junior I-Beam, 3.2 LB/LF.....	19.41	6.25
			<i>For &gt;100 To 250, Deduct</i>	-0.63	
			<i>For &gt;250 To 500, Deduct</i>	-1.11	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.80	
			<i>For &gt;1,000, Deduct</i>	-2.50	
			<i>For 316 Stainless Steel, Add</i>	35.42	
			<i>For Aluminum, Add</i>	1.99	
			<i>For Galvanized Steel, Add</i>	6.86	
			<i>For 304 Stainless Steel, Add</i>	31.55	
05 12 23 00-0610	LF		5" Junior I-Beam, 3.8 LB/LF.....	22.29	6.86
			<i>For &gt;100 To 250, Deduct</i>	-0.69	
			<i>For &gt;250 To 500, Deduct</i>	-1.24	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.03	
			<i>For &gt;1,000, Deduct</i>	-2.82	
			<i>For 316 Stainless Steel, Add</i>	42.05	
			<i>For Aluminum, Add</i>	2.37	
			<i>For Galvanized Steel, Add</i>	8.15	
			<i>For 304 Stainless Steel, Add</i>	37.45	
05 12 23 00-0611	LF		6" Junior I-Beam, 4.4 LB/LF.....	25.18	7.47
			<i>For &gt;100 To 250, Deduct</i>	-0.75	
			<i>For &gt;250 To 500, Deduct</i>	-1.38	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.26	
			<i>For &gt;1,000, Deduct</i>	-3.13	
			<i>For 316 Stainless Steel, Add</i>	48.67	
			<i>For Aluminum, Add</i>	2.74	
			<i>For Galvanized Steel, Add</i>	9.43	
			<i>For 304 Stainless Steel, Add</i>	43.35	
05 12 23 00-0612	LF		7" Junior I-Beam, 5.5 LB/LF.....	29.69	8.00
			<i>For &gt;100 To 250, Deduct</i>	-0.80	
			<i>For &gt;250 To 500, Deduct</i>	-1.54	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.55	
			<i>For &gt;1,000, Deduct</i>	-3.56	
			<i>For 316 Stainless Steel, Add</i>	60.86	
			<i>For Aluminum, Add</i>	3.42	
			<i>For Galvanized Steel, Add</i>	11.79	
			<i>For 304 Stainless Steel, Add</i>	54.21	
05 12 23 00-0613	LF		8" Junior I-Beam, 6.5 LB/LF.....	33.87	8.54
			<i>For &gt;100 To 250, Deduct</i>	-0.85	
			<i>For &gt;250 To 500, Deduct</i>	-1.70	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.83	
			<i>For &gt;1,000, Deduct</i>	-3.96	
			<i>For 316 Stainless Steel, Add</i>	71.94	
			<i>For Aluminum, Add</i>	4.05	
			<i>For Galvanized Steel, Add</i>	13.94	
			<i>For 304 Stainless Steel, Add</i>	64.07	
05 12 23 00-0614	LF		10" Junior I-Beam, 9 LB/LF.....	44.13	9.76
			<i>For &gt;100 To 250, Deduct</i>	-0.98	
			<i>For &gt;250 To 500, Deduct</i>	-2.08	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.51	
			<i>For &gt;1,000, Deduct</i>	-4.94	
			<i>For 316 Stainless Steel, Add</i>	99.58	
			<i>For Aluminum, Add</i>	5.60	
			<i>For Galvanized Steel, Add</i>	19.29	
			<i>For 304 Stainless Steel, Add</i>	88.69	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0615 LF 12" Junior I-Beam, 11.8 LB/LF.....	56.25	11.59
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-2.57	
For >500 To 1,000, Deduct	-4.36	
For >1,000, Deduct	-6.15	
For 316 Stainless Steel, Add	130.56	
For Aluminum, Add	7.34	
For Galvanized Steel, Add	25.30	
For 304 Stainless Steel, Add	116.28	
<b>05 12 23 00-0616 Round Stock (05 12 23 00-0408)</b>		
05 12 23 00-0617 LF 1/4" Carbon Steel Rounds, ASTM A108.....	2.26	
For 316 Stainless Steel, Add	3.97	
For Aluminum, Add	0.22	
For Galvanized Steel, Add	0.77	
For 304 Stainless Steel, Add	3.53	
05 12 23 00-0618 LF 3/8" Carbon Steel Rounds, ASTM A108.....	3.61	
For 316 Stainless Steel, Add	7.84	
For Aluminum, Add	0.44	
For Galvanized Steel, Add	1.52	
For 304 Stainless Steel, Add	6.98	
05 12 23 00-0619 LF 1/2" Carbon Steel Rounds, ASTM A108.....	5.00	
For 316 Stainless Steel, Add	11.94	
For Aluminum, Add	0.67	
For Galvanized Steel, Add	2.31	
For 304 Stainless Steel, Add	10.63	
05 12 23 00-0620 LF 5/8" Carbon Steel Rounds, ASTM A108.....	7.63	
For 316 Stainless Steel, Add	19.90	
For Aluminum, Add	1.12	
For Galvanized Steel, Add	3.86	
For 304 Stainless Steel, Add	17.73	
05 12 23 00-0621 LF 3/4" Carbon Steel Rounds, ASTM A108.....	9.08	
For 316 Stainless Steel, Add	23.65	
For Aluminum, Add	1.33	
For Galvanized Steel, Add	4.58	
For 304 Stainless Steel, Add	21.06	
05 12 23 00-0622 LF 7/8" Carbon Steel Rounds, ASTM A108.....	10.60	
For 316 Stainless Steel, Add	27.65	
For Aluminum, Add	1.56	
For Galvanized Steel, Add	5.36	
For 304 Stainless Steel, Add	24.62	
05 12 23 00-0623 LF 1" Carbon Steel Rounds, ASTM A108.....	15.47	
For 316 Stainless Steel, Add	42.11	
For Aluminum, Add	2.37	
For Galvanized Steel, Add	8.16	
For 304 Stainless Steel, Add	37.51	
05 12 23 00-0624 LF 1-1/8" Carbon Steel Rounds, ASTM A108.....	18.81	
For 316 Stainless Steel, Add	51.17	
For Aluminum, Add	2.88	
For Galvanized Steel, Add	9.91	
For 304 Stainless Steel, Add	45.57	
05 12 23 00-0625 LF 1-1/4" Carbon Steel Rounds, ASTM A108.....	22.45	
For 316 Stainless Steel, Add	60.22	
For Aluminum, Add	3.39	
For Galvanized Steel, Add	11.67	
For 304 Stainless Steel, Add	53.64	
05 12 23 00-0626 LF 1-3/8" Carbon Steel Rounds, ASTM A108.....	27.20	
For 316 Stainless Steel, Add	73.50	
For Aluminum, Add	4.13	
For Galvanized Steel, Add	14.24	
For 304 Stainless Steel, Add	65.46	
05 12 23 00-0627 LF 1-1/2" Carbon Steel Rounds, ASTM A108.....	30.27	
For 316 Stainless Steel, Add	80.61	
For Aluminum, Add	4.53	
For Galvanized Steel, Add	15.62	
For 304 Stainless Steel, Add	71.79	
05 12 23 00-0628 LF 1-5/8" Carbon Steel Rounds, ASTM A108.....	34.90	
For 316 Stainless Steel, Add	91.36	
For Aluminum, Add	5.14	
For Galvanized Steel, Add	17.70	
For 304 Stainless Steel, Add	81.37	
05 12 23 00-0629 LF 1-3/4" Carbon Steel Rounds, ASTM A108.....	41.70	
For 316 Stainless Steel, Add	106.30	
For Aluminum, Add	5.98	
For Galvanized Steel, Add	20.60	
For 304 Stainless Steel, Add	94.68	
05 12 23 00-0630 LF 1-7/8" Carbon Steel Rounds, ASTM A108.....	50.11	
For 316 Stainless Steel, Add	124.54	
For Aluminum, Add	7.01	
For Galvanized Steel, Add	24.13	
For 304 Stainless Steel, Add	110.92	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0631 LF 2" Carbon Steel Rounds, ASTM A108 .....	57.22	
For 316 Stainless Steel, Add	138.53	
For Aluminum, Add	7.79	
For Galvanized Steel, Add	26.84	
For 304 Stainless Steel, Add	123.38	
05 12 23 00-0632 LF 2-1/8" Carbon Steel Rounds, ASTM A108 .....	66.75	
For 316 Stainless Steel, Add	158.21	
For Aluminum, Add	8.90	
For Galvanized Steel, Add	30.65	
For 304 Stainless Steel, Add	140.90	
05 12 23 00-0633 LF 2-1/4" Carbon Steel Rounds, ASTM A108 .....	75.50	
For 316 Stainless Steel, Add	177.89	
For Aluminum, Add	10.01	
For Galvanized Steel, Add	34.47	
For 304 Stainless Steel, Add	158.43	
05 12 23 00-0634 LF 2-3/8" Carbon Steel Rounds, ASTM A108 .....	86.47	
For 316 Stainless Steel, Add	203.46	
For Aluminum, Add	11.44	
For Galvanized Steel, Add	39.42	
For 304 Stainless Steel, Add	181.20	
05 12 23 00-0635 LF 2-1/2" Carbon Steel Rounds, ASTM A108 .....	95.39	
For 316 Stainless Steel, Add	219.26	
For Aluminum, Add	12.33	
For Galvanized Steel, Add	42.48	
For 304 Stainless Steel, Add	195.28	
05 12 23 00-0636 LF 2-5/8" Carbon Steel Rounds, ASTM A108 .....	116.90	
For 316 Stainless Steel, Add	278.53	
For Aluminum, Add	15.67	
For Galvanized Steel, Add	53.96	
For 304 Stainless Steel, Add	248.06	
05 12 23 00-0637 LF 2-3/4" Carbon Steel Rounds, ASTM A108 .....	133.10	
For 316 Stainless Steel, Add	317.63	
For Aluminum, Add	17.87	
For Galvanized Steel, Add	61.54	
For 304 Stainless Steel, Add	282.89	
05 12 23 00-0638 LF 2-7/8" Carbon Steel Rounds, ASTM A108 .....	148.44	
For 316 Stainless Steel, Add	353.95	
For Aluminum, Add	19.91	
For Galvanized Steel, Add	68.58	
For 304 Stainless Steel, Add	315.24	
05 12 23 00-0639 LF 3" Carbon Steel Rounds, ASTM A108 .....	155.73	
For 316 Stainless Steel, Add	364.54	
For Aluminum, Add	20.51	
For Galvanized Steel, Add	70.63	
For 304 Stainless Steel, Add	324.67	
05 12 23 00-0640 LF 3-1/8" Carbon Steel Rounds, ASTM A108 .....	162.24	
For 316 Stainless Steel, Add	372.64	
For Aluminum, Add	20.96	
For Galvanized Steel, Add	72.20	
For 304 Stainless Steel, Add	331.88	
05 12 23 00-0641 LF 3-1/4" Carbon Steel Rounds, ASTM A108 .....	170.97	
For 316 Stainless Steel, Add	387.84	
For Aluminum, Add	21.82	
For Galvanized Steel, Add	75.14	
For 304 Stainless Steel, Add	345.42	
05 12 23 00-0642 LF 3-1/2" Carbon Steel Rounds, ASTM A108 .....	208.54	
For 316 Stainless Steel, Add	492.13	
For Aluminum, Add	27.68	
For Galvanized Steel, Add	95.35	
For 304 Stainless Steel, Add	438.30	
05 12 23 00-0643 LF 3-5/8" Carbon Steel Rounds, ASTM A108 .....	231.77	
For 316 Stainless Steel, Add	550.53	
For Aluminum, Add	30.97	
For Galvanized Steel, Add	106.66	
For 304 Stainless Steel, Add	490.31	
05 12 23 00-0644 LF 3-3/4" Carbon Steel Rounds, ASTM A108 .....	248.73	
For 316 Stainless Steel, Add	588.90	
For Aluminum, Add	33.13	
For Galvanized Steel, Add	114.10	
For 304 Stainless Steel, Add	524.49	
05 12 23 00-0645 LF 4" Carbon Steel Rounds, ASTM A108 .....	279.20	
For 316 Stainless Steel, Add	670.46	
For Aluminum, Add	37.71	
For Galvanized Steel, Add	129.90	
For 304 Stainless Steel, Add	597.13	
<b>05 12 23 00-0646 Square Stock</b> <small>(05 12 23 00-0408)</small>		
05 12 23 00-0647 LF 3/8" Square Bar Stock .....	1.93	
For 316 Stainless Steel, Add	2.46	
For Aluminum, Add	0.14	
For Galvanized Steel, Add	0.48	
For 304 Stainless Steel, Add	2.19	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0648	LF	1/2"	Square Bar Stock ..... 2.63		
			For 316 Stainless Steel, Add	4.35	
			For Aluminum, Add	0.24	
			For Galvanized Steel, Add	0.84	
			For 304 Stainless Steel, Add	3.88	
05 12 23 00-0649	LF	5/8"	Square Bar Stock ..... 3.53		
			For 316 Stainless Steel, Add	6.78	
			For Aluminum, Add	0.38	
			For Galvanized Steel, Add	1.31	
			For 304 Stainless Steel, Add	6.04	
05 12 23 00-0650	LF	3/4"	Square Bar Stock ..... 4.75		
			For 316 Stainless Steel, Add	9.79	
			For Aluminum, Add	0.55	
			For Galvanized Steel, Add	1.90	
			For 304 Stainless Steel, Add	8.72	
05 12 23 00-0651	LF	7/8"	Square Bar Stock ..... 6.23		
			For 316 Stainless Steel, Add	13.66	
			For Aluminum, Add	0.77	
			For Galvanized Steel, Add	2.65	
			For 304 Stainless Steel, Add	12.17	
05 12 23 00-0652	LF	1"	Square Bar Stock ..... 7.77		
			For 316 Stainless Steel, Add	17.47	
			For Aluminum, Add	0.98	
			For Galvanized Steel, Add	3.39	
			For 304 Stainless Steel, Add	15.56	
05 12 23 00-0653	LF	1-1/4"	Square Bar Stock ..... 12.15		
			For 316 Stainless Steel, Add	27.26	
			For Aluminum, Add	1.53	
			For Galvanized Steel, Add	5.28	
			For 304 Stainless Steel, Add	24.28	
05 12 23 00-0654	LF	1-1/2"	Square Bar Stock ..... 17.36		
			For 316 Stainless Steel, Add	39.30	
			For Aluminum, Add	2.21	
			For Galvanized Steel, Add	7.61	
			For 304 Stainless Steel, Add	35.00	
05 12 23 00-0655	LF	1-3/4"	Square Bar Stock ..... 25.55		
			For 316 Stainless Steel, Add	54.62	
			For Aluminum, Add	3.07	
			For Galvanized Steel, Add	10.58	
			For 304 Stainless Steel, Add	48.65	
05 12 23 00-0656	LF	2"	Square Bar Stock ..... 36.06		
			For 316 Stainless Steel, Add	69.86	
			For Aluminum, Add	3.93	
			For Galvanized Steel, Add	13.53	
			For 304 Stainless Steel, Add	62.22	
05 12 23 00-0657			<b>Steel Tubing</b> (05 12 23 00-0406)		
			Note: General purpose low-carbon steel.		
05 12 23 00-0658			<b>Square Steel Tubing</b> (05 12 23 00-0657)		
05 12 23 00-0659			<b>0.06" Wall Thickness</b> (05 12 23 00-0658)		
05 12 23 00-0660	LF	1/2" x 1/2" x 0.06"	Square Steel Tubing ..... 2.74		0.54
			For >100 To 250, Deduct	-0.05	
			For >250 To 500, Deduct	-0.12	
			For >500 To 1,000, Deduct	-0.21	
			For >1,000, Deduct	-0.30	
			For Galvanized Steel, Add	1.25	
05 12 23 00-0661	LF	3/4" x 3/4" x 0.06"	Square Steel Tubing ..... 4.21		0.86
			For >100 To 250, Deduct	-0.09	
			For >250 To 500, Deduct	-0.19	
			For >500 To 1,000, Deduct	-0.33	
			For >1,000, Deduct	-0.46	
			For Galvanized Steel, Add	1.90	
05 12 23 00-0662	LF	1" x 1" x 0.06"	Square Steel Tubing ..... 5.65		1.56
			For >100 To 250, Deduct	-0.12	
			For >250 To 500, Deduct	-0.26	
			For >500 To 1,000, Deduct	-0.44	
			For >1,000, Deduct	-0.62	
			For Galvanized Steel, Add	2.54	
05 12 23 00-0663	LF	1-1/4" x 1-1/4" x 0.06"	Square Steel Tubing ..... 7.48		1.48
			For >100 To 250, Deduct	-0.15	
			For >250 To 500, Deduct	-0.34	
			For >500 To 1,000, Deduct	-0.57	
			For >1,000, Deduct	-0.81	
			For Galvanized Steel, Add	3.41	
05 12 23 00-0664	LF	1-1/2" x 1-1/2" x 0.06"	Square Steel Tubing ..... 8.85		1.79
			For >100 To 250, Deduct	-0.18	
			For >250 To 500, Deduct	-0.40	
			For >500 To 1,000, Deduct	-0.68	
			For >1,000, Deduct	-0.96	
			For Galvanized Steel, Add	4.01	
05 12 23 00-0665			<b>0.083" Wall Thickness</b> (05 12 23 00-0658)		

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0666	LF		3/4" x 3/4" x 0.083" Square Steel Tubing.....	4.89	1.01
			<i>For &gt;100 To 250, Deduct</i>	-0.10	
			<i>For &gt;250 To 500, Deduct</i>	-0.22	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.38	
			<i>For &gt;1,000, Deduct</i>	-0.53	
			<i>For Galvanized Steel, Add</i>	2.20	
05 12 23 00-0667	LF		1" x 1" x 0.083" Square Steel Tubing.....	7.14	1.38
			<i>For &gt;100 To 250, Deduct</i>	-0.14	
			<i>For &gt;250 To 500, Deduct</i>	-0.32	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.54	
			<i>For &gt;1,000, Deduct</i>	-0.77	
			<i>For Galvanized Steel, Add</i>	3.29	
05 12 23 00-0668	LF		1-1/4" x 1-1/4" x 0.083" Square Steel Tubing.....	8.61	1.75
			<i>For &gt;100 To 250, Deduct</i>	-0.18	
			<i>For &gt;250 To 500, Deduct</i>	-0.39	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.67	
			<i>For &gt;1,000, Deduct</i>	-0.94	
			<i>For Galvanized Steel, Add</i>	3.88	
05 12 23 00-0669	LF		1-1/2" x 1-1/2" x 0.083" Square Steel Tubing.....	10.40	2.14
			<i>For &gt;100 To 250, Deduct</i>	-0.21	
			<i>For &gt;250 To 500, Deduct</i>	-0.47	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.81	
			<i>For &gt;1,000, Deduct</i>	-1.14	
			<i>For Galvanized Steel, Add</i>	4.68	
05 12 23 00-0670	LF		2" x 2" x 0.083" Square Steel Tubing.....	13.31	2.85
			<i>For &gt;100 To 250, Deduct</i>	-0.29	
			<i>For &gt;250 To 500, Deduct</i>	-0.62	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.05	
			<i>For &gt;1,000, Deduct</i>	-1.47	
			<i>For Galvanized Steel, Add</i>	5.90	
05 12 23 00-0671			<b>0.12" Wall Thickness</b> (05 12 23 00-0658)		
05 12 23 00-0672	LF		1" x 1" x 0.12" Square Steel Tubing.....	7.85	1.64
			<i>For &gt;100 To 250, Deduct</i>	-0.17	
			<i>For &gt;250 To 500, Deduct</i>	-0.36	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.61	
			<i>For &gt;1,000, Deduct</i>	-0.86	
			<i>For Galvanized Steel, Add</i>	3.50	
05 12 23 00-0673	LF		1-1/4" x 1-1/4" x 0.12" Square Steel Tubing.....	10.10	2.11
			<i>For &gt;100 To 250, Deduct</i>	-0.21	
			<i>For &gt;250 To 500, Deduct</i>	-0.46	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.79	
			<i>For &gt;1,000, Deduct</i>	-1.11	
			<i>For Galvanized Steel, Add</i>	4.52	
05 12 23 00-0674	LF		1-1/2" x 1-1/2" x 0.12" Square Steel Tubing.....	12.41	2.58
			<i>For &gt;100 To 250, Deduct</i>	-0.26	
			<i>For &gt;250 To 500, Deduct</i>	-0.57	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.96	
			<i>For &gt;1,000, Deduct</i>	-1.36	
			<i>For Galvanized Steel, Add</i>	5.56	
05 12 23 00-0675	LF		2" x 2" x 0.12" Square Steel Tubing.....	16.80	3.51
			<i>For &gt;100 To 250, Deduct</i>	-0.35	
			<i>For &gt;250 To 500, Deduct</i>	-0.77	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.31	
			<i>For &gt;1,000, Deduct</i>	-1.85	
			<i>For Galvanized Steel, Add</i>	7.51	
05 12 23 00-0676			<b>1/8" Wall Thickness</b> (05 12 23 00-0658)		
05 12 23 00-0677	LF		2" x 2" x 1/8" Square Steel Tubing.....	14.96	3.65
			<i>For &gt;100 To 250, Deduct</i>	-0.37	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.24	
			<i>For &gt;1,000, Deduct</i>	-1.73	
			<i>For Galvanized Steel, Add</i>	6.26	
05 12 23 00-0678	LF		2-1/2" x 2-1/2" x 1/8" Square Steel Tubing.....	19.79	4.63
			<i>For &gt;100 To 250, Deduct</i>	-0.46	
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.61	
			<i>For &gt;1,000, Deduct</i>	-2.25	
			<i>For Galvanized Steel, Add</i>	8.45	
05 12 23 00-0679	LF		3" x 3" x 1/8" Square Steel Tubing.....	23.14	5.59
			<i>For &gt;100 To 250, Deduct</i>	-0.56	
			<i>For &gt;250 To 500, Deduct</i>	-1.14	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.90	
			<i>For &gt;1,000, Deduct</i>	-2.67	
			<i>For Galvanized Steel, Add</i>	9.72	
05 12 23 00-0680	LF		3-1/2" x 3-1/2" x 1/8" Square Steel Tubing.....	26.79	6.57
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-1.33	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.22	
			<i>For &gt;1,000, Deduct</i>	-3.10	
			<i>For Galvanized Steel, Add</i>	11.18	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0681	LF		4" x 4" x 1/8" Square Steel Tubing.....	29.42	7.54
			<i>For &gt;100 To 250, Deduct</i>	-0.75	
			<i>For &gt;250 To 500, Deduct</i>	-1.49	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.48	
			<i>For &gt;1,000, Deduct</i>	-3.46	
			<i>For Galvanized Steel, Add</i>	12.00	
<b>05 12 23 00-0682</b>			<b>3/16" Wall Thickness</b> (05 12 23 00-0658)		
05 12 23 00-0683	LF		2" x 2" x 3/16" Square Steel Tubing.....	16.98	4.12
			<i>For &gt;100 To 250, Deduct</i>	-0.41	
			<i>For &gt;250 To 500, Deduct</i>	-0.84	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.40	
			<i>For &gt;1,000, Deduct</i>	-1.96	
			<i>For Galvanized Steel, Add</i>	7.12	
05 12 23 00-0684	LF		2-1/2" x 2-1/2" x 3/16" Square Steel Tubing .....	21.97	5.33
			<i>For &gt;100 To 250, Deduct</i>	-0.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.08	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.81	
			<i>For &gt;1,000, Deduct</i>	-2.54	
			<i>For Galvanized Steel, Add</i>	9.21	
05 12 23 00-0685	LF		3" x 3" x 3/16" Square Steel Tubing.....	27.00	6.55
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-1.33	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.22	
			<i>For &gt;1,000, Deduct</i>	-3.12	
			<i>For Galvanized Steel, Add</i>	11.33	
05 12 23 00-0686	LF		3-1/2" x 3-1/2" x 3/16" Square Steel Tubing .....	32.03	7.77
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-1.58	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.64	
			<i>For &gt;1,000, Deduct</i>	-3.70	
			<i>For Galvanized Steel, Add</i>	13.44	
05 12 23 00-0687	LF		4" x 4" x 3/16" Square Steel Tubing.....	37.02	8.98
			<i>For &gt;100 To 250, Deduct</i>	-0.90	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.05	
			<i>For &gt;1,000, Deduct</i>	-4.27	
			<i>For Galvanized Steel, Add</i>	15.53	
05 12 23 00-0688	LF		4-1/2" x 4-1/2" x 3/16" Square Steel Tubing .....	42.05	10.20
			<i>For &gt;100 To 250, Deduct</i>	-1.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.46	
			<i>For &gt;1,000, Deduct</i>	-4.85	
			<i>For Galvanized Steel, Add</i>	17.64	
05 12 23 00-0689	LF		5" x 5" x 3/16" Square Steel Tubing.....	47.04	11.41
			<i>For &gt;100 To 250, Deduct</i>	-1.14	
			<i>For &gt;250 To 500, Deduct</i>	-2.32	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.87	
			<i>For &gt;1,000, Deduct</i>	-5.43	
			<i>For Galvanized Steel, Add</i>	19.73	
05 12 23 00-0690	LF		6" x 6" x 3/16" Square Steel Tubing.....	57.10	13.85
			<i>For &gt;100 To 250, Deduct</i>	-1.39	
			<i>For &gt;250 To 500, Deduct</i>	-2.81	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.70	
			<i>For &gt;1,000, Deduct</i>	-6.59	
			<i>For Galvanized Steel, Add</i>	23.95	
<b>05 12 23 00-0691</b>			<b>1/4" Wall Thickness</b> (05 12 23 00-0658)		
05 12 23 00-0692	LF		2" x 2" x 1/4" Square Steel Tubing.....	18.20	4.12
			<i>For &gt;100 To 250, Deduct</i>	-0.41	
			<i>For &gt;250 To 500, Deduct</i>	-0.87	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.46	
			<i>For &gt;1,000, Deduct</i>	-2.05	
			<i>For Galvanized Steel, Add</i>	7.87	
05 12 23 00-0693	LF		2-1/2" x 2-1/2" x 1/4" Square Steel Tubing .....	23.91	5.42
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-1.14	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.92	
			<i>For &gt;1,000, Deduct</i>	-2.70	
			<i>For Galvanized Steel, Add</i>	10.34	
05 12 23 00-0694	LF		3" x 3" x 1/4" Square Steel Tubing.....	29.63	6.71
			<i>For &gt;100 To 250, Deduct</i>	-0.67	
			<i>For &gt;250 To 500, Deduct</i>	-1.41	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.38	
			<i>For &gt;1,000, Deduct</i>	-3.34	
			<i>For Galvanized Steel, Add</i>	12.82	
05 12 23 00-0695	LF		3-1/2" x 3-1/2" x 1/4" Square Steel Tubing .....	35.34	8.01
			<i>For &gt;100 To 250, Deduct</i>	-0.80	
			<i>For &gt;250 To 500, Deduct</i>	-1.68	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.84	
			<i>For &gt;1,000, Deduct</i>	-3.99	
			<i>For Galvanized Steel, Add</i>	15.29	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0696	LF		4" x 4" x 1/4" Square Steel Tubing.....	41.07	9.31
			<i>For &gt;100 To 250, Deduct</i>	-0.93	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.30	
			<i>For &gt;1,000, Deduct</i>	-4.63	
			<i>For Galvanized Steel, Add</i>	17.76	
05 12 23 00-0697	LF		4-1/2" x 4-1/2" x 1/4" Square Steel Tubing.....	46.78	10.60
			<i>For &gt;100 To 250, Deduct</i>	-1.06	
			<i>For &gt;250 To 500, Deduct</i>	-2.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.75	
			<i>For &gt;1,000, Deduct</i>	-5.28	
			<i>For Galvanized Steel, Add</i>	20.24	
05 12 23 00-0698	LF		5" x 5" x 1/4" Square Steel Tubing.....	52.54	11.91
			<i>For &gt;100 To 250, Deduct</i>	-1.19	
			<i>For &gt;250 To 500, Deduct</i>	-2.51	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.22	
			<i>For &gt;1,000, Deduct</i>	-5.93	
			<i>For Galvanized Steel, Add</i>	22.72	
05 12 23 00-0699	LF		6" x 6" x 1/4" Square Steel Tubing.....	63.97	14.50
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-3.05	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.13	
			<i>For &gt;1,000, Deduct</i>	-7.22	
			<i>For Galvanized Steel, Add</i>	27.67	
05 12 23 00-0700			<b>Rectangular Steel Tubing</b> (05 12 23 00-0657)		
05 12 23 00-0701			<b>3/16" Wall Thickness</b> (05 12 23 00-0700)		
05 12 23 00-0702	LF		3" x 2" x 3/16" Square Steel Tubing.....	21.97	5.33
			<i>For &gt;100 To 250, Deduct</i>	-0.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.08	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.81	
			<i>For &gt;1,000, Deduct</i>	-2.54	
			<i>For Galvanized Steel, Add</i>	9.21	
05 12 23 00-0703	LF		4" x 2" x 3/16" Square Steel Tubing.....	27.00	6.55
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-1.33	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.22	
			<i>For &gt;1,000, Deduct</i>	-3.12	
			<i>For Galvanized Steel, Add</i>	11.33	
05 12 23 00-0704	LF		4" x 3" x 3/16" Square Steel Tubing.....	32.03	7.77
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-1.58	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.64	
			<i>For &gt;1,000, Deduct</i>	-3.70	
			<i>For Galvanized Steel, Add</i>	13.44	
05 12 23 00-0705	LF		5" x 2" x 3/16" Square Steel Tubing.....	32.03	7.77
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-1.58	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.64	
			<i>For &gt;1,000, Deduct</i>	-3.70	
			<i>For Galvanized Steel, Add</i>	13.44	
05 12 23 00-0706	LF		5" x 3" x 3/16" Square Steel Tubing.....	37.02	8.98
			<i>For &gt;100 To 250, Deduct</i>	-0.90	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.05	
			<i>For &gt;1,000, Deduct</i>	-4.27	
			<i>For Galvanized Steel, Add</i>	15.53	
05 12 23 00-0707	LF		5" x 4" x 3/16" Square Steel Tubing.....	42.05	10.20
			<i>For &gt;100 To 250, Deduct</i>	-1.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.46	
			<i>For &gt;1,000, Deduct</i>	-4.85	
			<i>For Galvanized Steel, Add</i>	17.64	
05 12 23 00-0708	LF		6" x 2" x 3/16" Square Steel Tubing.....	37.02	8.98
			<i>For &gt;100 To 250, Deduct</i>	-0.90	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.05	
			<i>For &gt;1,000, Deduct</i>	-4.27	
			<i>For Galvanized Steel, Add</i>	15.53	
05 12 23 00-0709	LF		6" x 3" x 3/16" Square Steel Tubing.....	42.05	10.20
			<i>For &gt;100 To 250, Deduct</i>	-1.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.46	
			<i>For &gt;1,000, Deduct</i>	-4.85	
			<i>For Galvanized Steel, Add</i>	17.64	
05 12 23 00-0710	LF		6" x 4" x 3/16" Square Steel Tubing.....	47.04	11.41
			<i>For &gt;100 To 250, Deduct</i>	-1.14	
			<i>For &gt;250 To 500, Deduct</i>	-2.32	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.87	
			<i>For &gt;1,000, Deduct</i>	-5.43	
			<i>For Galvanized Steel, Add</i>	19.73	
05 12 23 00-0711			<b>1/4" Wall Thickness</b> (05 12 23 00-0700)		





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0712	LF		3" x 2" x 1/4" Square Steel Tubing.....	23.91	5.42
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-1.14	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.92	
			<i>For &gt;1,000, Deduct</i>	-2.70	
			<i>For Galvanized Steel, Add</i>	10.34	
05 12 23 00-0713	LF		4" x 2" x 1/4" Square Steel Tubing.....	29.63	6.71
			<i>For &gt;100 To 250, Deduct</i>	-0.67	
			<i>For &gt;250 To 500, Deduct</i>	-1.41	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.38	
			<i>For &gt;1,000, Deduct</i>	-3.34	
			<i>For Galvanized Steel, Add</i>	12.82	
05 12 23 00-0714	LF		4" x 3" x 1/4" Square Steel Tubing.....	35.34	8.01
			<i>For &gt;100 To 250, Deduct</i>	-0.80	
			<i>For &gt;250 To 500, Deduct</i>	-1.68	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.84	
			<i>For &gt;1,000, Deduct</i>	-3.99	
			<i>For Galvanized Steel, Add</i>	15.29	
05 12 23 00-0715	LF		5" x 2" x 1/4" Square Steel Tubing.....	35.34	8.01
			<i>For &gt;100 To 250, Deduct</i>	-0.80	
			<i>For &gt;250 To 500, Deduct</i>	-1.68	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.84	
			<i>For &gt;1,000, Deduct</i>	-3.99	
			<i>For Galvanized Steel, Add</i>	15.29	
05 12 23 00-0716	LF		5" x 3" x 1/4" Square Steel Tubing.....	41.07	9.31
			<i>For &gt;100 To 250, Deduct</i>	-0.93	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.30	
			<i>For &gt;1,000, Deduct</i>	-4.63	
			<i>For Galvanized Steel, Add</i>	17.76	
05 12 23 00-0717	LF		5" x 4" x 1/4" Square Steel Tubing.....	46.78	10.60
			<i>For &gt;100 To 250, Deduct</i>	-1.06	
			<i>For &gt;250 To 500, Deduct</i>	-2.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.75	
			<i>For &gt;1,000, Deduct</i>	-5.28	
			<i>For Galvanized Steel, Add</i>	20.24	
05 12 23 00-0718	LF		6" x 2" x 1/4" Square Steel Tubing.....	41.07	9.31
			<i>For &gt;100 To 250, Deduct</i>	-0.93	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.30	
			<i>For &gt;1,000, Deduct</i>	-4.63	
			<i>For Galvanized Steel, Add</i>	17.76	
05 12 23 00-0719	LF		6" x 3" x 1/4" Square Steel Tubing.....	46.78	10.60
			<i>For &gt;100 To 250, Deduct</i>	-1.06	
			<i>For &gt;250 To 500, Deduct</i>	-2.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.75	
			<i>For &gt;1,000, Deduct</i>	-5.28	
			<i>For Galvanized Steel, Add</i>	20.24	
05 12 23 00-0720	LF		6" x 4" x 1/4" Square Steel Tubing.....	52.54	11.91
			<i>For &gt;100 To 250, Deduct</i>	-1.19	
			<i>For &gt;250 To 500, Deduct</i>	-2.51	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.22	
			<i>For &gt;1,000, Deduct</i>	-5.93	
			<i>For Galvanized Steel, Add</i>	22.72	
05 12 23 00-0721			<b>Round Steel Tubing</b> <small>(05 12 23 00-0657)</small>		
05 12 23 00-0722			<b>0.065" Wall Thickness</b> <small>(05 12 23 00-0721)</small>		
05 12 23 00-0723	LF		1" Diameter x 0.065" Round Steel Tubing.....	4.89	0.99
			<i>For &gt;100 To 250, Deduct</i>	-0.10	
			<i>For &gt;250 To 500, Deduct</i>	-0.22	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.38	
			<i>For &gt;1,000, Deduct</i>	-0.53	
			<i>For Galvanized Steel, Add</i>	2.21	
05 12 23 00-0724	LF		1-1/4" Diameter x 0.065" Round Steel Tubing.....	6.19	1.26
			<i>For &gt;100 To 250, Deduct</i>	-0.13	
			<i>For &gt;250 To 500, Deduct</i>	-0.28	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.48	
			<i>For &gt;1,000, Deduct</i>	-0.67	
			<i>For Galvanized Steel, Add</i>	2.80	
05 12 23 00-0725	LF		1-1/2" Diameter x 0.065" Round Steel Tubing.....	7.50	1.52
			<i>For &gt;100 To 250, Deduct</i>	-0.15	
			<i>For &gt;250 To 500, Deduct</i>	-0.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.58	
			<i>For &gt;1,000, Deduct</i>	-0.82	
			<i>For Galvanized Steel, Add</i>	3.39	
05 12 23 00-0726	LF		2" Diameter x 0.065" Round Steel Tubing.....	10.11	2.05
			<i>For &gt;100 To 250, Deduct</i>	-0.20	
			<i>For &gt;250 To 500, Deduct</i>	-0.46	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.78	
			<i>For &gt;1,000, Deduct</i>	-1.10	
			<i>For Galvanized Steel, Add</i>	4.58	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0727	LF 2-1/2" Diameter x 0.065" Round Steel Tubing .....	12.73	2.58
	For >100 To 250, Deduct	-0.26	
	For >250 To 500, Deduct	-0.58	
	For >500 To 1,000, Deduct	-0.98	
	For >1,000, Deduct	-1.38	
	For Galvanized Steel, Add	5.76	
05 12 23 00-0728	LF 3" Diameter x 0.065" Round Steel Tubing .....	15.34	3.10
	For >100 To 250, Deduct	-0.31	
	For >250 To 500, Deduct	-0.69	
	For >500 To 1,000, Deduct	-1.18	
	For >1,000, Deduct	-1.67	
	For Galvanized Steel, Add	6.94	
05 12 23 00-0729	LF 3-1/2" Diameter x 0.065" Round Steel Tubing .....	17.96	3.64
	For >100 To 250, Deduct	-0.36	
	For >250 To 500, Deduct	-0.81	
	For >500 To 1,000, Deduct	-1.38	
	For >1,000, Deduct	-1.95	
	For Galvanized Steel, Add	8.13	
05 12 23 00-0730	LF 4" Diameter x 0.065" Round Steel Tubing .....	20.57	4.16
	For >100 To 250, Deduct	-0.42	
	For >250 To 500, Deduct	-0.93	
	For >500 To 1,000, Deduct	-1.58	
	For >1,000, Deduct	-2.24	
	For Galvanized Steel, Add	9.31	
<b>05 12 23 00-0731</b>	<b>0.083" Wall Thickness</b> (05 12 23 00-0721)		
05 12 23 00-0732	LF 1" Diameter x 0.083" Round Steel Tubing .....	5.31	1.09
	For >100 To 250, Deduct	-0.11	
	For >250 To 500, Deduct	-0.24	
	For >500 To 1,000, Deduct	-0.41	
	For >1,000, Deduct	-0.58	
	For Galvanized Steel, Add	2.39	
05 12 23 00-0733	LF 1-1/4" Diameter x 0.083" Round Steel Tubing .....	6.75	1.38
	For >100 To 250, Deduct	-0.14	
	For >250 To 500, Deduct	-0.31	
	For >500 To 1,000, Deduct	-0.52	
	For >1,000, Deduct	-0.74	
	For Galvanized Steel, Add	3.04	
05 12 23 00-0734	LF 1-1/2" Diameter x 0.083" Round Steel Tubing .....	8.20	1.67
	For >100 To 250, Deduct	-0.17	
	For >250 To 500, Deduct	-0.37	
	For >500 To 1,000, Deduct	-0.63	
	For >1,000, Deduct	-0.90	
	For Galvanized Steel, Add	3.70	
05 12 23 00-0735	LF 2" Diameter x 0.083" Round Steel Tubing .....	11.09	2.27
	For >100 To 250, Deduct	-0.23	
	For >250 To 500, Deduct	-0.50	
	For >500 To 1,000, Deduct	-0.86	
	For >1,000, Deduct	-1.21	
	For Galvanized Steel, Add	5.00	
05 12 23 00-0736	LF 2-1/2" Diameter x 0.083" Round Steel Tubing .....	13.99	2.86
	For >100 To 250, Deduct	-0.29	
	For >250 To 500, Deduct	-0.64	
	For >500 To 1,000, Deduct	-1.08	
	For >1,000, Deduct	-1.53	
	For Galvanized Steel, Add	6.31	
05 12 23 00-0737	LF 3" Diameter x 0.083" Round Steel Tubing .....	16.88	3.45
	For >100 To 250, Deduct	-0.35	
	For >250 To 500, Deduct	-0.77	
	For >500 To 1,000, Deduct	-1.30	
	For >1,000, Deduct	-1.84	
	For Galvanized Steel, Add	7.61	
05 12 23 00-0738	LF 3-1/2" Diameter x 0.083" Round Steel Tubing .....	19.77	4.04
	For >100 To 250, Deduct	-0.40	
	For >250 To 500, Deduct	-0.90	
	For >500 To 1,000, Deduct	-1.53	
	For >1,000, Deduct	-2.16	
	For Galvanized Steel, Add	8.92	
05 12 23 00-0739	LF 4" Diameter x 0.083" Round Steel Tubing .....	22.67	4.64
	For >100 To 250, Deduct	-0.46	
	For >250 To 500, Deduct	-1.03	
	For >500 To 1,000, Deduct	-1.75	
	For >1,000, Deduct	-2.47	
	For Galvanized Steel, Add	10.22	
<b>05 12 23 00-0740</b>	<b>0.125" Wall Thickness</b> (05 12 23 00-0721)		
05 12 23 00-0741	LF 2" Diameter x 0.125" Round Steel Tubing .....	11.74	2.86
	For >100 To 250, Deduct	-0.29	
	For >250 To 500, Deduct	-0.58	
	For >500 To 1,000, Deduct	-0.97	
	For >1,000, Deduct	-1.36	
	For Galvanized Steel, Add	4.91	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0742	LF		2-1/2" Diameter x 0.125" Round Steel Tubing .....	14.87	3.63
				<i>For &gt;100 To 250, Deduct</i>	-0.36	
				<i>For &gt;250 To 500, Deduct</i>	-0.73	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.23	
				<i>For &gt;1,000, Deduct</i>	-1.72	
				<i>For Galvanized Steel, Add</i>	6.22	
	05 12 23 00-0743	LF		3" Diameter x 0.125" Round Steel Tubing .....	18.00	4.39
				<i>For &gt;100 To 250, Deduct</i>	-0.44	
				<i>For &gt;250 To 500, Deduct</i>	-0.89	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.49	
				<i>For &gt;1,000, Deduct</i>	-2.08	
				<i>For Galvanized Steel, Add</i>	7.53	
	05 12 23 00-0744	LF		3-1/2" Diameter x 0.125" Round Steel Tubing .....	21.12	5.15
				<i>For &gt;100 To 250, Deduct</i>	-0.52	
				<i>For &gt;250 To 500, Deduct</i>	-1.04	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.74	
				<i>For &gt;1,000, Deduct</i>	-2.44	
				<i>For Galvanized Steel, Add</i>	8.84	
	05 12 23 00-0745	LF		4" Diameter x 0.125" Round Steel Tubing .....	24.25	5.92
				<i>For &gt;100 To 250, Deduct</i>	-0.59	
				<i>For &gt;250 To 500, Deduct</i>	-1.20	
				<i>For &gt;500 To 1,000, Deduct</i>	-2.00	
				<i>For &gt;1,000, Deduct</i>	-2.81	
				<i>For Galvanized Steel, Add</i>	10.14	
	<b>05 12 23 00-0746</b>			<b>Flat Steel Bar</b> <small>(05 12 23 00-0408)</small>		
	<b>05 12 23 00-0747</b>			<b>1/8" Thick</b> <small>(05 12 23 00-0746)</small>		
	05 12 23 00-0748	LF		1/8" Thick x 1" Wide Flat Steel Bar .....	3.18	1.42
				<i>For Galvanized Steel, Add</i>	0.64	
	05 12 23 00-0749	LF		1/8" Thick x 2" Wide Flat Steel Bar .....	4.94	2.14
				<i>For Galvanized Steel, Add</i>	1.07	
	05 12 23 00-0750	LF		1/8" Thick x 4" Wide Flat Steel Bar .....	7.66	3.01
				<i>For Galvanized Steel, Add</i>	1.95	
	05 12 23 00-0751	LF		1/8" Thick x 6" Wide Flat Steel Bar .....	10.38	4.09
				<i>For Galvanized Steel, Add</i>	2.64	
	<b>05 12 23 00-0752</b>			<b>3/16" Thick</b> <small>(05 12 23 00-0746)</small>		
	05 12 23 00-0753	LF		3/16" Thick x 1" Wide Flat Steel Bar .....	4.23	1.77
				<i>For Galvanized Steel, Add</i>	0.98	
	05 12 23 00-0754	LF		3/16" Thick x 2" Wide Flat Steel Bar .....	6.71	2.65
				<i>For Galvanized Steel, Add</i>	1.69	
	05 12 23 00-0755	LF		3/16" Thick x 4" Wide Flat Steel Bar .....	9.19	3.05
				<i>For Galvanized Steel, Add</i>	2.86	
	05 12 23 00-0756	LF		3/16" Thick x 6" Wide Flat Steel Bar .....	12.71	4.23
				<i>For Galvanized Steel, Add</i>	3.95	
	<b>05 12 23 00-0757</b>			<b>1/4" Thick</b> <small>(05 12 23 00-0746)</small>		
	05 12 23 00-0758	LF		1/4" Thick x 1" Wide Flat Steel Bar .....	4.36	1.87
				<i>For Galvanized Steel, Add</i>	0.97	
	05 12 23 00-0759	LF		1/4" Thick x 2" Wide Flat Steel Bar .....	7.37	2.80
				<i>For Galvanized Steel, Add</i>	1.96	
	05 12 23 00-0760	LF		1/4" Thick x 4" Wide Flat Steel Bar .....	10.93	3.21
				<i>For Galvanized Steel, Add</i>	3.79	
	05 12 23 00-0761	LF		1/4" Thick x 6" Wide Flat Steel Bar .....	15.79	4.74
				<i>For Galvanized Steel, Add</i>	5.38	
	<b>05 12 23 00-0762</b>			<b>3/8" Thick</b> <small>(05 12 23 00-0746)</small>		
	05 12 23 00-0763	LF		3/8" Thick x 1" Wide Flat Steel Bar .....	5.61	2.11
				<i>For Galvanized Steel, Add</i>	1.52	
	05 12 23 00-0764	LF		3/8" Thick x 2" Wide Flat Steel Bar .....	9.27	3.15
				<i>For Galvanized Steel, Add</i>	2.81	
	05 12 23 00-0765	LF		3/8" Thick x 4" Wide Flat Steel Bar .....	14.46	3.60
				<i>For Galvanized Steel, Add</i>	5.61	
	05 12 23 00-0766	LF		3/8" Thick x 6" Wide Flat Steel Bar .....	20.75	5.33
				<i>For Galvanized Steel, Add</i>	7.90	
	<b>05 12 23 00-0767</b>			<b>1/2" Thick</b> <small>(05 12 23 00-0746)</small>		
	05 12 23 00-0768	LF		1/2" Thick x 1" Wide Flat Steel Bar .....	6.62	2.31
				<i>For Galvanized Steel, Add</i>	1.95	
	05 12 23 00-0769	LF		1/2" Thick x 2" Wide Flat Steel Bar .....	10.99	3.48
				<i>For Galvanized Steel, Add</i>	3.58	
	05 12 23 00-0770	LF		1/2" Thick x 4" Wide Flat Steel Bar .....	15.79	3.95
				<i>For Galvanized Steel, Add</i>	6.10	
	05 12 23 00-0771	LF		1/2" Thick x 6" Wide Flat Steel Bar .....	28.44	5.87
				<i>For Galvanized Steel, Add</i>	12.17	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

05 12 23 00-0772 Flat Steel Plate <small>(05 12 23 00-0408)</small>			
05 12 23 00-0773	SF 1/8" Thick Flat Steel Plate.....	16.61	6.13
	For 316 Stainless Steel, Add	23.71	
	For Aluminum, Add	1.33	
	For Galvanized Steel, Add	4.59	
	For 304 Stainless Steel, Add	21.12	
05 12 23 00-0774	SF 3/16" Thick Flat Steel Plate.....	18.80	6.34
	For 316 Stainless Steel, Add	29.66	
	For Aluminum, Add	1.67	
	For Galvanized Steel, Add	5.75	
	For 304 Stainless Steel, Add	26.42	
05 12 23 00-0775	SF 1/4" Thick Flat Steel Plate.....	22.49	7.11
	For 316 Stainless Steel, Add	37.82	
	For Aluminum, Add	2.13	
	For Galvanized Steel, Add	7.33	
	For 304 Stainless Steel, Add	33.69	
05 12 23 00-0776	SF 3/8" Thick Flat Steel Plate.....	30.55	8.00
	For 316 Stainless Steel, Add	59.36	
	For Aluminum, Add	3.34	
	For Galvanized Steel, Add	11.50	
	For 304 Stainless Steel, Add	52.87	
05 12 23 00-0777	SF 1/2" Thick Flat Steel Plate.....	36.31	8.80
	For 316 Stainless Steel, Add	73.95	
	For Aluminum, Add	4.16	
	For Galvanized Steel, Add	14.33	
	For 304 Stainless Steel, Add	65.86	
05 12 23 00-0778	SF 3/4" Thick Flat Steel Plate.....	59.84	10.90
	For 316 Stainless Steel, Add	138.66	
	For Aluminum, Add	7.80	
	For Galvanized Steel, Add	26.86	
	For 304 Stainless Steel, Add	123.49	
05 12 23 00-0779	SF 1" Thick Flat Steel Plate.....	79.96	13.62
	For 316 Stainless Steel, Add	189.86	
	For Aluminum, Add	10.68	
	For Galvanized Steel, Add	36.78	
	For 304 Stainless Steel, Add	169.09	

**05 14 Structural Aluminum Framing (05 10)****05 14 13 Architecturally-Exposed Structural Aluminum Framing (05 14)**

05 14 13 00-0001 Rolled Or Plate Shapes <small>(05 14 13)</small>			
Note: 1" through 10" member.			
05 14 13 00-0002	LB Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members .....	6.20	0.85
05 14 13 00-0003	LB Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members .....	5.49	0.78
05 14 13 00-0004 Aluminum Extrusions <small>(05 14 13)</small>			
05 14 13 00-0005	LB Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members .....	11.20	3.49
05 14 13 00-0006	LB Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members .....	11.74	3.49
05 14 13 00-0007 Aluminum Tubing <small>(05 14 13)</small>			
05 14 13 00-0008	LB Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members .....	9.64	2.12
05 14 13 00-0009	LF 1" x 1" Aluminum Tubing, 1/8" Wall Thickness .....	9.64	3.39
05 14 13 00-0010	LF 1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness .....	11.39	3.70
05 14 13 00-0011	LF 1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness .....	13.13	4.31
05 14 13 00-0012	LF 2" x 2" Aluminum Tubing, 1/8" Wall Thickness .....	15.27	4.63
05 14 13 00-0013	LF 4" x 4" Aluminum Tubing, 1/4" Wall Thickness .....	39.40	5.87
05 14 13 00-0014	LF 2" x 5" Aluminum Tubing, 1/4" Wall Thickness .....	32.57	5.25
05 14 13 00-0015 Columns <small>(05 14 13)</small>			
Note: Baked on paint finish, load bearing.			
05 14 13 00-0016 Round Columns <small>(05 14 13 00-0015)</small>			
05 14 13 00-0017	LF 6" Diameter Aluminum Column .....	37.56	6.67
05 14 13 00-0018	LF 8" Diameter Aluminum Column .....	49.93	9.55
05 14 13 00-0019	LF 10" Diameter Aluminum Column .....	60.36	10.75
05 14 13 00-0020	LF 12" Diameter Aluminum Column .....	87.66	11.25
05 14 13 00-0021	LF 15" Diameter Aluminum Column .....	111.09	13.04
05 14 13 00-0022	EA 6" Diameter Aluminum Base And Cap .....	71.98	12.44
05 14 13 00-0023	EA 8" Diameter Aluminum Base And Cap .....	81.91	13.44
05 14 13 00-0024	EA 10" Diameter Aluminum Base And Cap .....	102.20	14.93
05 14 13 00-0025	EA 12" Diameter Aluminum Base And Cap .....	170.85	15.93
05 14 13 00-0026	EA 15" Diameter Aluminum Base And Cap .....	257.53	17.42
05 14 13 00-0027 Octagonal Columns <small>(05 14 13 00-0015)</small>			
05 14 13 00-0028	LF 6" Diameter Aluminum Column .....	40.96	6.67
05 14 13 00-0029	LF 8" Diameter Aluminum Column .....	56.09	9.55
05 14 13 00-0030	LF 10" Diameter Aluminum Column .....	68.14	10.75



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 13 00-0031	LF			12" Diameter Aluminum Column.....	100.71	11.25
05 14 13 00-0032	LF			15" Diameter Aluminum Column.....	128.12	13.04
05 14 13 00-0033	EA			6" Diameter Aluminum Base And Cap.....	81.40	12.44
05 14 13 00-0034	EA			8" Diameter Aluminum Base And Cap.....	92.92	13.44
05 14 13 00-0035	EA			10" Diameter Aluminum Base And Cap.....	116.67	14.93
05 14 13 00-0036	EA			12" Diameter Aluminum Base And Cap.....	198.66	15.93
05 14 13 00-0037	EA			15" Diameter Aluminum Base And Cap.....	302.07	17.42
<b>05 14 13 00-0038 Fluted Columns</b> <small>(05 14 13 00-0015)</small>						
05 14 13 00-0039	LF			6" Diameter Aluminum Column.....	45.13	6.67
05 14 13 00-0040	LF			8" Diameter Aluminum Column.....	61.63	9.55
05 14 13 00-0041	LF			10" Diameter Aluminum Column.....	75.13	10.75
05 14 13 00-0042	LF			12" Diameter Aluminum Column.....	112.45	11.25
05 14 13 00-0043	LF			15" Diameter Aluminum Column.....	143.43	13.04
05 14 13 00-0044	EA			6" Diameter Aluminum Base And Cap.....	89.88	12.44
05 14 13 00-0045	EA			8" Diameter Aluminum Base And Cap.....	102.83	13.44
05 14 13 00-0046	EA			10" Diameter Aluminum Base And Cap.....	129.69	14.93
05 14 13 00-0047	EA			12" Diameter Aluminum Base And Cap.....	223.68	15.93
05 14 13 00-0048	EA			15" Diameter Aluminum Base And Cap.....	342.15	17.42
<b>05 14 13 00-0049 Square Columns</b> <small>(05 14 13 00-0015)</small>						
05 14 13 00-0050	LF			6" Aluminum Column.....	47.97	6.67
05 14 13 00-0051	LF			8" Aluminum Column.....	65.41	9.55
05 14 13 00-0052	LF			10" Aluminum Column.....	79.92	10.75
05 14 13 00-0053	LF			12" Aluminum Column.....	120.48	11.25
05 14 13 00-0054	LF			15" Aluminum Column.....	153.91	13.04
05 14 13 00-0055	EA			6" Aluminum Base And Cap.....	95.67	12.44
05 14 13 00-0056	EA			8" Aluminum Base And Cap.....	109.60	13.44
05 14 13 00-0057	EA			10" Aluminum Base And Cap.....	138.59	14.93
05 14 13 00-0058	EA			12" Aluminum Base And Cap.....	240.79	15.93
05 14 13 00-0059	EA			15" Aluminum Base And Cap.....	369.57	17.42
<b>05 14 13 00-0060 Ornamental Or Decorative Cap And Bases</b> <small>(05 14 13 00-0015)</small>						
05 14 13 00-0061	EA			8" Corinthian Capital And Base.....	509.28	14.93
05 14 13 00-0062	EA			10" Corinthian Capital And Base.....	746.80	17.42
05 14 13 00-0063	EA			12" Corinthian Capital And Base.....	1,176.91	19.91
05 14 13 00-0064	EA			8" Scamozzi Capital And Base.....	257.28	14.93
05 14 13 00-0065	EA			10" Scamozzi Capital And Base.....	343.19	17.42
05 14 13 00-0066	EA			12" Scamozzi Capital And Base.....	681.51	19.91
<b>05 15 Wire Rope Assemblies</b> <small>(05 10)</small>						
<b>05 15 16 Steel Wire Rope Assemblies</b> <small>(05 15)</small>						
<b>05 15 16 00-0001 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope</b> <small>(05 15 16)</small>						
05 15 16 00-0002	LF			1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	0.95	0.10
				<i>For &gt;500, Deduct</i>	-0.16	
05 15 16 00-0003	LF			5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.30	0.10
				<i>For &gt;500, Deduct</i>	-0.21	
05 15 16 00-0004	LF			3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.58	0.20
				<i>For &gt;500, Deduct</i>	-0.24	
05 15 16 00-0005	LF			7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.96	0.20
				<i>For &gt;500, Deduct</i>	-0.28	
05 15 16 00-0006	LF			1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.31	0.30
				<i>For &gt;500, Deduct</i>	-0.32	
05 15 16 00-0007	LF			9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.85	0.40
				<i>For &gt;500, Deduct</i>	-0.39	
05 15 16 00-0008	LF			5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.42	0.40
				<i>For &gt;500, Deduct</i>	-0.46	
05 15 16 00-0009	LF			3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.77	0.72
				<i>For &gt;500, Deduct</i>	-0.63	
05 15 16 00-0010	LF			7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	6.43	0.82
				<i>For &gt;500, Deduct</i>	-0.85	
05 15 16 00-0011	LF			1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	8.10	1.12
				<i>For &gt;500, Deduct</i>	-1.04	

**05 Metals****05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0012	LF		1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	10.01	1.42
			<i>For &gt;500, Deduct</i> .....	-1.29	
05 15 16 00-0013	LF		1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	12.21	1.72
			<i>For &gt;500, Deduct</i> .....	-1.57	
<b>05 15 16 00-0014</b>			<b>6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope</b> <small>(05 15 16)</small>		
05 15 16 00-0015	LF		1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.10	0.10
			<i>For &gt;500, Deduct</i> .....	-0.19	
05 15 16 00-0016	LF		5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.45	0.10
			<i>For &gt;500, Deduct</i> .....	-0.24	
05 15 16 00-0017	LF		3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.84	0.20
			<i>For &gt;500, Deduct</i> .....	-0.29	
05 15 16 00-0018	LF		7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.15	0.20
			<i>For &gt;500, Deduct</i> .....	-0.32	
05 15 16 00-0019	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.59	0.30
			<i>For &gt;500, Deduct</i> .....	-0.38	
05 15 16 00-0020	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.03	0.40
			<i>For &gt;500, Deduct</i> .....	-0.43	
05 15 16 00-0021	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.57	0.40
			<i>For &gt;500, Deduct</i> .....	-0.49	
05 15 16 00-0022	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.22	0.72
			<i>For &gt;500, Deduct</i> .....	-0.72	
05 15 16 00-0023	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	6.76	0.82
			<i>For &gt;500, Deduct</i> .....	-0.92	
05 15 16 00-0024	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	8.40	1.12
			<i>For &gt;500, Deduct</i> .....	-1.11	
05 15 16 00-0025	LF		1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	10.76	1.42
			<i>For &gt;500, Deduct</i> .....	-1.43	
05 15 16 00-0026	LF		1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	13.05	1.72
			<i>For &gt;500, Deduct</i> .....	-1.74	
<b>05 15 16 00-0027</b>			<b>6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope</b> <small>(05 15 16)</small>		
05 15 16 00-0028	LF		1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	0.89	0.10
			<i>For &gt;500, Deduct</i> .....	-0.14	
05 15 16 00-0029	LF		5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.23	0.10
			<i>For &gt;500, Deduct</i> .....	-0.19	
05 15 16 00-0030	LF		3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.50	0.20
			<i>For &gt;500, Deduct</i> .....	-0.22	
05 15 16 00-0031	LF		7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.81	0.20
			<i>For &gt;500, Deduct</i> .....	-0.25	
05 15 16 00-0032	LF		1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.22	0.30
			<i>For &gt;500, Deduct</i> .....	-0.30	
05 15 16 00-0033	LF		9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.81	0.40
			<i>For &gt;500, Deduct</i> .....	-0.38	
05 15 16 00-0034	LF		5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	3.31	0.40
			<i>For &gt;500, Deduct</i> .....	-0.44	
05 15 16 00-0035	LF		3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	4.67	0.72
			<i>For &gt;500, Deduct</i> .....	-0.61	
05 15 16 00-0036	LF		7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	5.83	0.82
			<i>For &gt;500, Deduct</i> .....	-0.73	
05 15 16 00-0037	LF		1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	7.48	1.12
			<i>For &gt;500, Deduct</i> .....	-0.92	
<b>05 15 16 00-0038</b>			<b>6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope</b> <small>(05 15 16)</small>		
05 15 16 00-0039	LF		1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	0.88	0.10
			<i>For &gt;500, Deduct</i> .....	-0.14	
05 15 16 00-0040	LF		5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.19	0.10
			<i>For &gt;500, Deduct</i> .....	-0.18	
05 15 16 00-0041	LF		3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.50	0.20
			<i>For &gt;500, Deduct</i> .....	-0.22	
05 15 16 00-0042	LF		7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.81	0.20
			<i>For &gt;500, Deduct</i> .....	-0.25	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 15 16 00-0043	LF		1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.30	0.30
				<i>For &gt;500, Deduct</i>	-0.32	
	05 15 16 00-0044	LF		9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.77	0.40
				<i>For &gt;500, Deduct</i>	-0.37	
	05 15 16 00-0045	LF		5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.46	0.40
				<i>For &gt;500, Deduct</i>	-0.47	
	05 15 16 00-0046	LF		3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.85	0.72
				<i>For &gt;500, Deduct</i>	-0.65	
	05 15 16 00-0047	LF		7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	6.39	0.82
				<i>For &gt;500, Deduct</i>	-0.84	
	05 15 16 00-0048	LF		1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	7.96	1.12
				<i>For &gt;500, Deduct</i>	-1.03	
	<b>05 15 16 00-0049</b>			<b>6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <small>(05 15 16)</small></b>		
	05 15 16 00-0050	LF		3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	1.68	0.20
				<i>For &gt;500, Deduct</i>	-0.26	
	05 15 16 00-0051	LF		7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	2.02	0.20
				<i>For &gt;500, Deduct</i>	-0.30	
	05 15 16 00-0052	LF		1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	2.40	0.30
				<i>For &gt;500, Deduct</i>	-0.34	
	05 15 16 00-0053	LF		9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.20	0.40
				<i>For &gt;500, Deduct</i>	-0.46	
	05 15 16 00-0054	LF		5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.59	0.40
				<i>For &gt;500, Deduct</i>	-0.50	
	05 15 16 00-0055	LF		3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	4.94	0.72
				<i>For &gt;500, Deduct</i>	-0.67	
	05 15 16 00-0056	LF		7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	6.41	0.82
				<i>For &gt;500, Deduct</i>	-0.85	
	05 15 16 00-0057	LF		1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	8.45	1.12
				<i>For &gt;500, Deduct</i>	-1.11	
	05 15 16 00-0058	LF		1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	10.27	1.42
				<i>For &gt;500, Deduct</i>	-1.34	
	05 15 16 00-0059	LF		1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	12.43	1.72
				<i>For &gt;500, Deduct</i>	-1.61	
	<b>05 15 16 00-0060</b>			<b>6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <small>(05 15 16)</small></b>		
	05 15 16 00-0061	LF		3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	1.72	0.20
				<i>For &gt;500, Deduct</i>	-0.27	
	05 15 16 00-0062	LF		7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	2.12	0.20
				<i>For &gt;500, Deduct</i>	-0.32	
	05 15 16 00-0063	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	2.54	0.30
				<i>For &gt;500, Deduct</i>	-0.37	
	05 15 16 00-0064	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.50	0.40
				<i>For &gt;500, Deduct</i>	-0.52	
	05 15 16 00-0065	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.64	0.40
				<i>For &gt;500, Deduct</i>	-0.51	
	05 15 16 00-0066	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	5.04	0.72
				<i>For &gt;500, Deduct</i>	-0.69	
	05 15 16 00-0067	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	6.71	0.82
				<i>For &gt;500, Deduct</i>	-0.91	
	05 15 16 00-0068	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	8.55	1.12
				<i>For &gt;500, Deduct</i>	-1.13	
	<b>05 15 16 00-0069</b>			<b>19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <small>(05 15 16)</small></b>		
	05 15 16 00-0070	LF		1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	1.66	0.10
				<i>For &gt;500, Deduct</i>	-0.29	

**05 Metals****05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0071	LF		5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	1.83	0.10
			<i>For &gt;500, Deduct</i> .....	-0.31	
05 15 16 00-0072	LF		3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	2.18	0.20
			<i>For &gt;500, Deduct</i> .....	-0.36	
05 15 16 00-0073	LF		7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	2.95	0.20
			<i>For &gt;500, Deduct</i> .....	-0.48	
05 15 16 00-0074	LF		1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	3.32	0.20
			<i>For &gt;500, Deduct</i> .....	-0.56	
05 15 16 00-0075	LF		9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	3.97	0.40
			<i>For &gt;500, Deduct</i> .....	-0.62	
05 15 16 00-0076	LF		5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	4.74	0.40
			<i>For &gt;500, Deduct</i> .....	-0.73	
05 15 16 00-0077	LF		3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	6.57	0.61
			<i>For &gt;500, Deduct</i> .....	-1.00	
<b>05 15 16 00-0078</b>			<b>7x7, Galvanized Finish, Aircraft Cable <small>(05 15 16)</small></b> .....		
05 15 16 00-0079	LF		1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable .....	0.23	0.07
			<i>For &gt;500, Deduct</i> .....	-0.03	
05 15 16 00-0080	LF		3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable .....	0.27	0.08
			<i>For &gt;500, Deduct</i> .....	-0.03	
05 15 16 00-0081	LF		1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable .....	0.30	0.09
			<i>For &gt;500, Deduct</i> .....	-0.03	
05 15 16 00-0082	LF		5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable .....	0.35	0.10
			<i>For &gt;500, Deduct</i> .....	-0.04	
05 15 16 00-0083	LF		3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable .....	0.42	0.10
			<i>For &gt;500, Deduct</i> .....	-0.05	
<b>05 15 16 00-0084</b>			<b>7x19, Galvanized Finish, Aircraft Cable <small>(05 15 16)</small></b> .....		
05 15 16 00-0085	LF		1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable .....	0.39	0.09
			<i>For &gt;500, Deduct</i> .....	-0.05	
05 15 16 00-0086	LF		5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable .....	0.43	0.10
			<i>For &gt;500, Deduct</i> .....	-0.05	
05 15 16 00-0087	LF		3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable .....	0.49	0.10
			<i>For &gt;500, Deduct</i> .....	-0.06	
05 15 16 00-0088	LF		1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable .....	0.55	0.10
			<i>For &gt;500, Deduct</i> .....	-0.08	
05 15 16 00-0089	LF		5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable .....	0.84	0.10
			<i>For &gt;500, Deduct</i> .....	-0.11	
05 15 16 00-0090	LF		3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable .....	1.14	0.10
			<i>For &gt;500, Deduct</i> .....	-0.15	
<b>05 15 16 00-0091</b>			<b>Heavy Duty, Galvanized Steel, Wire Rope Thimbles <small>(05 15 16)</small></b> .....		
05 15 16 00-0092	EA		1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	12.22	3.05
05 15 16 00-0093	EA		5/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	13.49	3.05
05 15 16 00-0094	EA		3/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	14.90	3.05
05 15 16 00-0095	EA		7/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	18.77	3.05
05 15 16 00-0096	EA		1/2" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	18.79	3.05
05 15 16 00-0097	EA		9/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	18.79	3.05
05 15 16 00-0098	EA		5/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	20.10	3.05
05 15 16 00-0099	EA		3/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	35.92	4.68
05 15 16 00-0100	EA		7/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	42.58	5.69
05 15 16 00-0101	EA		1" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	75.02	9.35
05 15 16 00-0102	EA		1-1/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	106.99	12.71
05 15 16 00-0103	EA		1-1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	106.99	12.71
<b>05 15 16 00-0104</b>			<b>Galvanized Steel, Wire Rope Clips <small>(05 15 16)</small></b> .....		
05 15 16 00-0105	EA		1/8" Diameter, Galvanized Steel, Wire Rope Clip .....	14.26	3.05
05 15 16 00-0106	EA		3/16" Diameter, Galvanized Steel, Wire Rope Clip .....	14.52	3.05
05 15 16 00-0107	EA		1/4" Diameter, Galvanized Steel, Wire Rope Clip .....	16.25	3.05
05 15 16 00-0108	EA		5/16" Diameter, Galvanized Steel, Wire Rope Clip .....	16.52	3.05
05 15 16 00-0109	EA		3/8" Diameter, Galvanized Steel, Wire Rope Clip .....	16.91	3.05
05 15 16 00-0110	EA		7/16" Diameter, Galvanized Steel, Wire Rope Clip .....	20.63	3.05
05 15 16 00-0111	EA		1/2" Diameter, Galvanized Steel, Wire Rope Clip .....	20.92	3.05
05 15 16 00-0112	EA		9/16" Diameter, Galvanized Steel, Wire Rope Clip .....	23.67	3.05
05 15 16 00-0113	EA		5/8" Diameter, Galvanized Steel, Wire Rope Clip .....	24.06	3.05
05 15 16 00-0114	EA		3/4" Diameter, Galvanized Steel, Wire Rope Clip .....	33.28	4.06
05 15 16 00-0115	EA		7/8" Diameter, Galvanized Steel, Wire Rope Clip .....	50.11	6.10
05 15 16 00-0116	EA		1" Diameter, Galvanized Steel, Wire Rope Clip .....	54.67	6.10
05 15 16 00-0117	EA		1-1/8" Diameter, Galvanized Steel, Wire Rope Clip .....	64.80	8.13
05 15 16 00-0118	EA		1-1/4" Diameter, Galvanized Steel, Wire Rope Clip .....	94.21	12.20





	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>05 15 16 00-0119</b>	<b>Steel, Open Swage Sockets</b> <small>(05 15 16)</small>			
	05 15 16 00-0120 EA 1/4" Diameter, Steel, Open Swage Socket .....	66.10	3.05	
	05 15 16 00-0121 EA 5/16" Diameter, Steel, Open Swage Socket .....	104.30	3.05	
	05 15 16 00-0122 EA 3/8" Diameter, Steel, Open Swage Socket .....	108.32	4.06	
	05 15 16 00-0123 EA 7/16" Diameter, Steel, Open Swage Socket .....	129.49	5.08	
	05 15 16 00-0124 EA 1/2" Diameter, Steel, Open Swage Socket .....	129.49	5.08	
	05 15 16 00-0125 EA 9/16" Diameter, Steel, Open Swage Socket .....	193.10	11.19	
	05 15 16 00-0126 EA 5/8" Diameter, Steel, Open Swage Socket .....	193.10	11.19	
	05 15 16 00-0127 EA 3/4" Diameter, Steel, Open Swage Socket .....	253.03	21.35	
	05 15 16 00-0128 EA 7/8" Diameter, Steel, Open Swage Socket .....	341.96	30.50	
	05 15 16 00-0129 EA 1" Diameter, Steel, Open Swage Socket .....	485.43	46.77	
	05 15 16 00-0130 EA 1-1/8" Diameter, Steel, Open Swage Socket .....	649.17	73.21	
	05 15 16 00-0131 EA 1-1/4" Diameter, Steel, Open Swage Socket .....	755.99	84.39	
<b>05 15 16 00-0132</b>	<b>Steel, Closed Swage Sockets</b> <small>(05 15 16)</small>			
	05 15 16 00-0133 EA 1/4" Diameter, Steel, Closed Swage Socket .....	53.66	3.05	
	05 15 16 00-0134 EA 5/16" Diameter, Steel, Closed Swage Socket .....	71.76	3.05	
	05 15 16 00-0135 EA 3/8" Diameter, Steel, Closed Swage Socket .....	71.76	3.05	
	05 15 16 00-0136 EA 7/16" Diameter, Steel, Closed Swage Socket .....	89.90	4.06	
	05 15 16 00-0137 EA 1/2" Diameter, Steel, Closed Swage Socket .....	91.02	4.06	
	05 15 16 00-0138 EA 9/16" Diameter, Steel, Closed Swage Socket .....	126.74	7.12	
	05 15 16 00-0139 EA 5/8" Diameter, Steel, Closed Swage Socket .....	131.58	8.13	
	05 15 16 00-0140 EA 3/4" Diameter, Steel, Closed Swage Socket .....	164.92	13.21	
	05 15 16 00-0141 EA 7/8" Diameter, Steel, Closed Swage Socket .....	215.54	19.32	
	05 15 16 00-0142 EA 1" Diameter, Steel, Closed Swage Socket .....	308.11	26.44	
	05 15 16 00-0143 EA 1-1/8" Diameter, Steel, Closed Swage Socket .....	384.95	36.60	
	05 15 16 00-0144 EA 1-1/4" Diameter, Steel, Closed Swage Socket .....	528.95	56.94	
<b>05 15 16 00-0145</b>	<b>Galvanized Steel, Open Spelter Sockets</b> <small>(05 15 16)</small>			
	05 15 16 00-0146 EA 1/4" Galvanized Steel, Open Spelter Socket .....	109.01	3.05	
	05 15 16 00-0147 EA 5/16" Galvanized Steel, Open Spelter Socket .....	112.54	3.05	
	05 15 16 00-0148 EA 3/8" Galvanized Steel, Open Spelter Socket .....	112.54	3.05	
	05 15 16 00-0149 EA 7/16" Galvanized Steel, Open Spelter Socket .....	127.85	6.10	
	05 15 16 00-0150 EA 1/2" Galvanized Steel, Open Spelter Socket .....	127.85	6.10	
	05 15 16 00-0151 EA 9/16" Galvanized Steel, Open Spelter Socket .....	170.01	10.17	
	05 15 16 00-0152 EA 5/8" Galvanized Steel, Open Spelter Socket .....	170.01	10.17	
	05 15 16 00-0153 EA 3/4" Galvanized Steel, Open Spelter Socket .....	217.74	15.25	
	05 15 16 00-0154 EA 7/8" Galvanized Steel, Open Spelter Socket .....	328.06	25.42	
	05 15 16 00-0155 EA 1" Galvanized Steel, Open Spelter Socket .....	589.73	39.65	
	05 15 16 00-0156 EA 1-1/8" Galvanized Steel, Open Spelter Socket .....	710.23	64.06	
	05 15 16 00-0157 EA 1-1/4" Galvanized Steel, Open Spelter Socket .....	958.87	84.39	
<b>05 15 16 00-0158</b>	<b>Galvanized Steel, Closed Spelter Sockets</b> <small>(05 15 16)</small>			
	05 15 16 00-0159 EA 1/4" Galvanized Steel, Closed Spelter Socket .....	91.79	3.05	
	05 15 16 00-0160 EA 5/16" Galvanized Steel, Closed Spelter Socket .....	92.22	3.05	
	05 15 16 00-0161 EA 3/8" Galvanized Steel, Closed Spelter Socket .....	92.22	3.05	
	05 15 16 00-0162 EA 7/16" Galvanized Steel, Closed Spelter Socket .....	104.99	5.08	
	05 15 16 00-0163 EA 1/2" Galvanized Steel, Closed Spelter Socket .....	104.99	5.08	
	05 15 16 00-0164 EA 9/16" Galvanized Steel, Closed Spelter Socket .....	149.14	9.15	
	05 15 16 00-0165 EA 5/8" Galvanized Steel, Closed Spelter Socket .....	149.14	9.15	
	05 15 16 00-0166 EA 3/4" Galvanized Steel, Closed Spelter Socket .....	185.45	13.21	
	05 15 16 00-0167 EA 7/8" Galvanized Steel, Closed Spelter Socket .....	271.55	20.33	
	05 15 16 00-0168 EA 1" Galvanized Steel, Closed Spelter Socket .....	411.11	31.52	
	05 15 16 00-0169 EA 1-1/8" Galvanized Steel, Closed Spelter Socket .....	538.93	42.71	
	05 15 16 00-0170 EA 1-1/4" Galvanized Steel, Closed Spelter Socket .....	681.99	56.94	
<b>05 15 16 00-0171</b>	<b>Forged Steel, Jaw And Jaw Turnbuckles</b> <small>(05 15 16)</small>			
	05 15 16 00-0172 EA 1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle .....	63.89	3.05	
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct .....	-8.06		
	05 15 16 00-0173 EA 5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle .....	68.36	3.05	
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct .....	-8.73		
	05 15 16 00-0174 EA 3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle .....	76.63	3.05	
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct .....	-9.97		
	05 15 16 00-0175 EA 1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle .....	86.23	4.06	
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct .....	-10.37		
	05 15 16 00-0176 EA 1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle .....	113.19	5.08	
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct .....	-13.80		
	05 15 16 00-0177 EA 1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle .....	128.70	6.10	
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct .....	-15.63		
	05 15 16 00-0178 EA 5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle .....	132.41	8.13	
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct .....	-15.17		
	05 15 16 00-0179 EA 5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle .....	162.75	8.13	
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct .....	-19.33		
	05 15 16 00-0180 EA 5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle .....	184.33	9.15	
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct .....	-22.20		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0181	EA		3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	178.76 -20.33	11.19
05 15 16 00-0182	EA		3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	204.44 -22.64	13.21
05 15 16 00-0183	EA		3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	250.75 -28.90	14.23
05 15 16 00-0184	EA		3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	301.71 -34.74	17.29
05 15 16 00-0185	EA		7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	347.09 -37.54	24.40
05 15 16 00-0186	EA		7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	420.02 -46.06	28.47
05 15 16 00-0187	EA		1" x 6", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	359.76 -39.44	24.40
05 15 16 00-0188	EA		1" x 12", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	415.15 -43.21	31.52
05 15 16 00-0189	EA		1" x 18", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	565.39 -61.35	39.65
05 15 16 00-0190	EA		1" x 24", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	634.40 -67.43	46.77
05 15 16 00-0191	EA		1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	711.21 -72.79	56.94
05 15 16 00-0192	EA		1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	854.68 -90.07	64.06
05 15 16 00-0193	EA		1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	1,098.72 -121.23	73.21
05 15 16 00-0194	EA		1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	1,091.84 -116.85	78.29
05 15 16 00-0195	EA		1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	1,214.92 -121.23	101.67
05 15 16 00-0196	EA		1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	2,139.42 -244.66	132.17
05 15 16 00-0197	EA		2" x 24", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	3,548.50 -379.76	254.19

#### 05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts (05 15 16)

05 15 16 00-0199	EA		1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	14.52	
05 15 16 00-0200	EA		5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	14.59	
05 15 16 00-0201	EA		3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	16.27	
05 15 16 00-0202	EA		7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	19.35	
05 15 16 00-0203	EA		1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	19.28	
05 15 16 00-0204	EA		5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	25.98	
05 15 16 00-0205	EA		3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	30.87	
05 15 16 00-0206	EA		7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	41.31	
05 15 16 00-0207	EA		1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	54.76	
05 15 16 00-0208	EA		1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	79.05	
05 15 16 00-0209	EA		1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	93.86	
05 15 16 00-0210	EA		1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	168.95	
05 15 16 00-0211	EA		1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	193.62	
05 15 16 00-0212	EA		2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	239.02	

#### 05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts (05 15 16)

05 15 16 00-0214	EA		1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	18.71	
05 15 16 00-0215	EA		1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	17.06	
05 15 16 00-0216	EA		5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	22.60	
05 15 16 00-0217	EA		5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	15.66	
05 15 16 00-0218	EA		3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	20.61	
05 15 16 00-0219	EA		3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	30.38	
05 15 16 00-0220	EA		3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	29.54	
05 15 16 00-0221	EA		3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	28.14	
05 15 16 00-0222	EA		3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	25.37	
05 15 16 00-0223	EA		3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	26.18	
05 15 16 00-0224	EA		1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	23.38	
05 15 16 00-0225	EA		1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	18.99	
05 15 16 00-0226	EA		1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	24.27	
05 15 16 00-0227	EA		1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	32.61	
05 15 16 00-0228	EA		1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	25.14	
05 15 16 00-0229	EA		1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	39.54	
05 15 16 00-0230	EA		1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	35.03	
05 15 16 00-0231	EA		1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	32.14	
05 15 16 00-0232	EA		1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	37.51	
05 15 16 00-0233	EA		5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	38.12	
05 15 16 00-0234	EA		5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	34.13	
05 15 16 00-0235	EA		5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	42.53	
05 15 16 00-0236	EA		5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	48.53	
05 15 16 00-0237	EA		5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	55.73	
05 15 16 00-0238	EA		5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	46.36	
05 15 16 00-0239	EA		3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	46.22	
05 15 16 00-0240	EA		3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	47.15	
05 15 16 00-0241	EA		3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	51.97	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 15 16 00-0242	EA	3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt		55.95	
05 15 16 00-0243	EA	3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt		65.06	
05 15 16 00-0244	EA	1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt		85.71	

**05 15 19 Stainless Steel Wire Rope Assemblies** (05 15)

**05 15 19 00-0001 7x7, 304 Stainless Steel, Aircraft Cable** (05 15 19)

05 15 19 00-0002	LF	1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable		0.25	0.07
		<i>For &gt;500, Deduct</i>		-0.03	
05 15 19 00-0003	LF	3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable		0.33	0.08
		<i>For &gt;500, Deduct</i>		-0.04	
05 15 19 00-0004	LF	1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable		0.42	0.09
		<i>For &gt;500, Deduct</i>		-0.06	
05 15 19 00-0005	LF	5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable		0.55	0.10
		<i>For &gt;500, Deduct</i>		-0.08	
05 15 19 00-0006	LF	3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable		0.69	0.10
		<i>For &gt;500, Deduct</i>		-0.10	

**05 15 19 00-0007 7x19, 304 Stainless Steel, Aircraft Cable** (05 15 19)

05 15 19 00-0008	LF	1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable		0.48	0.09
		<i>For &gt;500, Deduct</i>		-0.07	
05 15 19 00-0009	LF	5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable		0.56	0.10
		<i>For &gt;500, Deduct</i>		-0.08	
05 15 19 00-0010	LF	3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable		0.65	0.10
		<i>For &gt;500, Deduct</i>		-0.09	
05 15 19 00-0011	LF	1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable		0.82	0.10
		<i>For &gt;500, Deduct</i>		-0.13	
05 15 19 00-0012	LF	5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable		1.25	0.10
		<i>For &gt;500, Deduct</i>		-0.20	
05 15 19 00-0013	LF	3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable		1.87	0.20
		<i>For &gt;500, Deduct</i>		-0.30	

**05 15 19 00-0014 7x7, 316 Stainless Steel, Aircraft Cable** (05 15 19)

05 15 19 00-0015	LF	1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable		0.25	0.07
		<i>For &gt;500, Deduct</i>		-0.03	
05 15 19 00-0016	LF	3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable		0.33	0.08
		<i>For &gt;500, Deduct</i>		-0.04	
05 15 19 00-0017	LF	1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable		0.42	0.09
		<i>For &gt;500, Deduct</i>		-0.06	
05 15 19 00-0018	LF	5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable		0.55	0.10
		<i>For &gt;500, Deduct</i>		-0.08	
05 15 19 00-0019	LF	3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable		0.69	0.10
		<i>For &gt;500, Deduct</i>		-0.10	

**05 15 19 00-0020 7x19, 316 Stainless Steel, Aircraft Cable** (05 15 19)

05 15 19 00-0021	LF	1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable		0.48	0.09
		<i>For &gt;500, Deduct</i>		-0.07	
05 15 19 00-0022	LF	5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable		0.56	0.10
		<i>For &gt;500, Deduct</i>		-0.08	
05 15 19 00-0023	LF	3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable		0.65	0.10
		<i>For &gt;500, Deduct</i>		-0.09	
05 15 19 00-0024	LF	1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable		0.82	0.10
		<i>For &gt;500, Deduct</i>		-0.13	
05 15 19 00-0025	LF	5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable		1.25	0.10
		<i>For &gt;500, Deduct</i>		-0.20	
05 15 19 00-0026	LF	3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable		1.87	0.10
		<i>For &gt;500, Deduct</i>		-0.30	

**05 20 Metal Joists** (05)

Note: Includes all connecting bolts and welds.

**05 21 Steel Joist Framing** (05 20)

**05 21 19 Open Web Steel Joist Framing** (05 21)

**05 21 19 00-0001 Open Web Joists** (05 21 19)

05 21 19 00-0002	TON	H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging		2,617.47	180.97
		<i>For Welded Cross Bridging, Add</i>		226.21	
		<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>		223.61	
05 21 19 00-0003	TON	H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging		2,400.59	169.66
		<i>For Welded Cross Bridging, Add</i>		201.08	
		<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>		207.64	
05 21 19 00-0004	TON	LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging		2,888.97	169.66
		<i>For Welded Cross Bridging, Add</i>		208.81	
		<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>		263.15	
05 21 19 00-0005	TON	DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging		3,278.83	169.66
		<i>For Welded Cross Bridging, Add</i>		208.81	
		<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>		309.94	

<b>05</b>	<b>Metals</b>
<b>05 20</b>	<b>Metal Joists</b>
<b>05 21</b>	<b>Steel Joist Framing</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 21 19 00-0006	TON		CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging .....	2,898.24	169.66
			<i>For Welded Cross Bridging, Add</i>	226.21	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	257.31	
05 21 19 00-0007	TON		SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging .....	3,619.95	169.66
			<i>For Welded Cross Bridging, Add</i>	208.81	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	350.87	

### 05 30 Metal Decking <sup>(05)</sup>

Note: Includes all connecting bolts and welds.

#### 05 31 Steel Decking <sup>(05 30)</sup>

See CSI section 03 30 00 00-0000 for concrete where required.

#### 05 31 13 Steel Floor Decking <sup>(05 31)</sup>

Note: Floor or roof decking

#### 05 31 13 00-0001 Open Ribbed Galvanized Steel Deck <sup>(05 31 13)</sup>

05 31 13 00-0002	SF	1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck .....	3.11	0.46
		<i>For Painted, Deduct</i>	-0.13	
		<i>For Perforated Or Slotted, Add</i>	0.13	
		<i>For Site Installed Insulation Between Ribs, Add</i>	0.82	
		<i>For Up To 100, Add</i>	0.82	
		<i>For &gt;100 To 500, Add</i>	0.48	
		<i>For &gt;500 To 1,500, Add</i>	0.14	
05 31 13 00-0003	SF	1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck .....	3.54	0.54
		<i>For Painted, Deduct</i>	-0.14	
		<i>For Perforated Or Slotted, Add</i>	0.14	
		<i>For Site Installed Insulation Between Ribs, Add</i>	0.94	
		<i>For Up To 100, Add</i>	0.96	
		<i>For &gt;100 To 500, Add</i>	0.56	
		<i>For &gt;500 To 1,500, Add</i>	0.17	
05 31 13 00-0004	SF	1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck .....	4.46	0.65
		<i>For Painted, Deduct</i>	-0.18	
		<i>For Perforated Or Slotted, Add</i>	0.18	
		<i>For Site Installed Insulation Between Ribs, Add</i>	1.17	
		<i>For Up To 100, Add</i>	1.18	
		<i>For &gt;100 To 500, Add</i>	0.69	
		<i>For &gt;500 To 1,500, Add</i>	0.21	
05 31 13 00-0005	SF	1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck .....	3.41	0.52
		<i>For Painted, Deduct</i>	-0.14	
		<i>For Perforated Or Slotted, Add</i>	0.14	
		<i>For Site Installed Insulation Between Ribs, Add</i>	0.90	
		<i>For Up To 100, Add</i>	0.92	
		<i>For &gt;100 To 500, Add</i>	0.53	
		<i>For &gt;500 To 1,500, Add</i>	0.16	
05 31 13 00-0006	SF	1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck .....	3.93	0.59
		<i>For Painted, Deduct</i>	-0.16	
		<i>For Perforated Or Slotted, Add</i>	0.16	
		<i>For Site Installed Insulation Between Ribs, Add</i>	1.04	
		<i>For Up To 100, Add</i>	1.06	
		<i>For &gt;100 To 500, Add</i>	0.62	
		<i>For &gt;500 To 1,500, Add</i>	0.19	
05 31 13 00-0007	SF	1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck .....	4.94	0.72
		<i>For Painted, Deduct</i>	-0.20	
		<i>For Perforated Or Slotted, Add</i>	0.20	
		<i>For Site Installed Insulation Between Ribs, Add</i>	1.30	
		<i>For Up To 100, Add</i>	1.31	
		<i>For &gt;100 To 500, Add</i>	0.77	
		<i>For &gt;500 To 1,500, Add</i>	0.23	
05 31 13 00-0008	SF	2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck .....	3.87	0.55
		<i>For Painted, Deduct</i>	-0.16	
		<i>For Perforated Or Slotted, Add</i>	0.16	
		<i>For Site Installed Insulation Between Ribs, Add</i>	1.02	
		<i>For Up To 100, Add</i>	1.00	
		<i>For &gt;100 To 500, Add</i>	0.59	
		<i>For &gt;500 To 1,500, Add</i>	0.17	
05 31 13 00-0009	SF	2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck .....	4.50	0.63
		<i>For Painted, Deduct</i>	-0.19	
		<i>For Perforated Or Slotted, Add</i>	0.19	
		<i>For Site Installed Insulation Between Ribs, Add</i>	1.18	
		<i>For Up To 100, Add</i>	1.16	
		<i>For &gt;100 To 500, Add</i>	0.69	
		<i>For &gt;500 To 1,500, Add</i>	0.20	
05 31 13 00-0010	SF	2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck .....	5.54	0.71
		<i>For Painted, Deduct</i>	-0.23	
		<i>For Perforated Or Slotted, Add</i>	0.23	
		<i>For Site Installed Insulation Between Ribs, Add</i>	1.45	
		<i>For Up To 100, Add</i>	1.35	
		<i>For &gt;100 To 500, Add</i>	0.82	
		<i>For &gt;500 To 1,500, Add</i>	0.22	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Decking	05 30	
Steel Decking	05 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31	13 00-0011	SF	2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	6.98	0.77
			<i>For Painted, Deduct</i>	-0.30	
			<i>For Perforated Or Slotted, Add</i>	0.30	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.82	
			<i>For Up To 100, Add</i>	1.56	
			<i>For &gt;100 To 500, Add</i>	0.99	
			<i>For &gt;500 To 1,500, Add</i>	0.24	
05 31	13 00-0012	SF	3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	4.32	0.57
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.13	
			<i>For Up To 100, Add</i>	1.07	
			<i>For &gt;100 To 500, Add</i>	0.65	
			<i>For &gt;500 To 1,500, Add</i>	0.18	
05 31	13 00-0013	SF	3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	5.06	0.65
			<i>For Painted, Deduct</i>	-0.21	
			<i>For Perforated Or Slotted, Add</i>	0.21	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.32	
			<i>For Up To 100, Add</i>	1.24	
			<i>For &gt;100 To 500, Add</i>	0.75	
			<i>For &gt;500 To 1,500, Add</i>	0.21	
05 31	13 00-0014	SF	3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	6.30	0.81
			<i>For Painted, Deduct</i>	-0.26	
			<i>For Perforated Or Slotted, Add</i>	0.26	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.65	
			<i>For Up To 100, Add</i>	1.54	
			<i>For &gt;100 To 500, Add</i>	0.93	
			<i>For &gt;500 To 1,500, Add</i>	0.25	
05 31	13 00-0015	SF	3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	7.93	0.98
			<i>For Painted, Deduct</i>	-0.34	
			<i>For Perforated Or Slotted, Add</i>	0.34	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.07	
			<i>For Up To 100, Add</i>	1.89	
			<i>For &gt;100 To 500, Add</i>	1.16	
			<i>For &gt;500 To 1,500, Add</i>	0.31	
05 31	13 00-0016	SF	4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	11.54	
			<i>For Painted, Deduct</i>	-0.53	
			<i>For Perforated Or Slotted, Add</i>	0.53	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.95	
			<i>For Up To 100, Add</i>	1.95	
			<i>For &gt;100 To 500, Add</i>	1.42	
			<i>For &gt;500 To 1,500, Add</i>	0.22	
05 31	13 00-0017	SF	4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	14.57	0.81
			<i>For Painted, Deduct</i>	-0.68	
			<i>For Perforated Or Slotted, Add</i>	0.68	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.72	
			<i>For Up To 100, Add</i>	2.37	
			<i>For &gt;100 To 500, Add</i>	1.76	
			<i>For &gt;500 To 1,500, Add</i>	0.25	
05 31	13 00-0018	SF	6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	13.52	0.81
			<i>For Painted, Deduct</i>	-0.63	
			<i>For Perforated Or Slotted, Add</i>	0.63	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.45	
			<i>For Up To 100, Add</i>	2.26	
			<i>For &gt;100 To 500, Add</i>	1.66	
			<i>For &gt;500 To 1,500, Add</i>	0.25	
05 31	13 00-0019	SF	6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	14.16	0.98
			<i>For Painted, Deduct</i>	-0.65	
			<i>For Perforated Or Slotted, Add</i>	0.65	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.63	
			<i>For Up To 100, Add</i>	2.51	
			<i>For &gt;100 To 500, Add</i>	1.78	
			<i>For &gt;500 To 1,500, Add</i>	0.31	
05 31	13 00-0020	SF	6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	17.69	1.19
			<i>For Painted, Deduct</i>	-0.81	
			<i>For Perforated Or Slotted, Add</i>	0.81	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.53	
			<i>For Up To 100, Add</i>	3.11	
			<i>For &gt;100 To 500, Add</i>	2.22	
			<i>For &gt;500 To 1,500, Add</i>	0.37	
05 31	13 00-0021	SF	7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	15.66	1.07
			<i>For Painted, Deduct</i>	-0.72	
			<i>For Perforated Or Slotted, Add</i>	0.72	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.01	
			<i>For Up To 100, Add</i>	2.78	
			<i>For &gt;100 To 500, Add</i>	1.97	
			<i>For &gt;500 To 1,500, Add</i>	0.34	
05 31	13 00-0022	SF	7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	19.51	1.31
			<i>For Painted, Deduct</i>	-0.89	
			<i>For Perforated Or Slotted, Add</i>	0.89	
			<i>For Site Installed Insulation Between Ribs, Add</i>	5.00	
			<i>For Up To 100, Add</i>	3.42	
			<i>For &gt;100 To 500, Add</i>	2.44	
			<i>For &gt;500 To 1,500, Add</i>	0.41	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 31 13 00-0023 Cellular Galvanized Steel Deck <small>(05 31 13)</small>			
Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.			
05 31 13 00-0024	SF 1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	10.33	0.83
	For Painted, Deduct	-0.47	
	For Perforated Or Slotted, Add	0.47	
	For Insulated Cells, Add	2.09	
	For Site Installed Insulation Between Ribs, Add	2.66	
	For Up To 100, Add	1.96	
	For >100 To 500, Add	1.34	
	For >500 To 1,500, Add	0.26	
05 31 13 00-0025	SF 1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	11.22	1.09
	For Painted, Deduct	-0.49	
	For Perforated Or Slotted, Add	0.49	
	For Insulated Cells, Add	2.22	
	For Site Installed Insulation Between Ribs, Add	2.90	
	For Up To 100, Add	2.36	
	For >100 To 500, Add	1.53	
	For >500 To 1,500, Add	0.34	
05 31 13 00-0026	SF 1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	12.70	0.87
	For Painted, Deduct	-0.58	
	For Perforated Or Slotted, Add	0.58	
	For Insulated Cells, Add	2.61	
	For Site Installed Insulation Between Ribs, Add	3.25	
	For Up To 100, Add	2.24	
	For >100 To 500, Add	1.59	
	For >500 To 1,500, Add	0.27	
05 31 13 00-0027	SF 1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	13.73	1.15
	For Painted, Deduct	-0.61	
	For Perforated Or Slotted, Add	0.61	
	For Insulated Cells, Add	2.77	
	For Site Installed Insulation Between Ribs, Add	3.54	
	For Up To 100, Add	2.67	
	For >100 To 500, Add	1.81	
	For >500 To 1,500, Add	0.36	
05 31 13 00-0028	SF 3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	14.54	1.05
	For Painted, Deduct	-0.66	
	For Perforated Or Slotted, Add	0.66	
	For Insulated Cells, Add	2.98	
	For Site Installed Insulation Between Ribs, Add	3.73	
	For Up To 100, Add	2.62	
	For >100 To 500, Add	1.84	
	For >500 To 1,500, Add	0.33	
05 31 13 00-0029	SF 3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	17.38	1.20
	For Painted, Deduct	-0.79	
	For Perforated Or Slotted, Add	0.79	
	For Insulated Cells, Add	3.57	
	For Site Installed Insulation Between Ribs, Add	4.46	
	For Up To 100, Add	3.10	
	For >100 To 500, Add	2.19	
	For >500 To 1,500, Add	0.38	
05 31 13 00-0030	SF 3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	19.50	1.31
	For Painted, Deduct	-0.89	
	For Perforated Or Slotted, Add	0.89	
	For Insulated Cells, Add	4.02	
	For Site Installed Insulation Between Ribs, Add	5.00	
	For Up To 100, Add	3.42	
	For >100 To 500, Add	2.44	
	For >500 To 1,500, Add	0.41	
05 31 13 00-0031	SF 3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	21.07	1.40
	For Painted, Deduct	-0.97	
	For Perforated Or Slotted, Add	0.97	
	For Insulated Cells, Add	4.35	
	For Site Installed Insulation Between Ribs, Add	5.40	
	For Up To 100, Add	3.68	
	For >100 To 500, Add	2.63	
	For >500 To 1,500, Add	0.44	
05 31 13 00-0032	SF 4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	22.61	1.05
	For Painted, Deduct	-1.06	
	For Perforated Or Slotted, Add	1.06	
	For Insulated Cells, Add	4.79	
	For Site Installed Insulation Between Ribs, Add	5.75	
	For Up To 100, Add	3.45	
	For >100 To 500, Add	2.66	
	For >500 To 1,500, Add	0.33	
05 31 13 00-0033	SF 4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	24.02	1.22
	For Painted, Deduct	-1.12	
	For Perforated Or Slotted, Add	1.12	
	For Insulated Cells, Add	5.06	
	For Site Installed Insulation Between Ribs, Add	6.12	
	For Up To 100, Add	3.78	
	For >100 To 500, Add	2.86	
	For >500 To 1,500, Add	0.38	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Decking	05 30	
Steel Decking	05 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0034 SF 4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	25.39	1.33
For Painted, Deduct	-1.19	
For Perforated Or Slotted, Add	1.19	
For Insulated Cells, Add	5.34	
For Site Installed Insulation Between Ribs, Add	6.47	
For Up To 100, Add	4.02	
For >100 To 500, Add	3.03	
For >500 To 1,500, Add	0.41	
05 31 13 00-0035 SF 4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	27.08	1.42
For Painted, Deduct	-1.27	
For Perforated Or Slotted, Add	1.27	
For Insulated Cells, Add	5.69	
For Site Installed Insulation Between Ribs, Add	6.90	
For Up To 100, Add	4.30	
For >100 To 500, Add	3.24	
For >500 To 1,500, Add	0.44	
<b>05 31 23 Steel Roof Decking</b> <small>(05 31)</small>		
See CSI section 05 31 13 00-0000 for Steel floor or roof decking.		
<b>05 31 33 Steel Form Decking</b> <small>(05 31)</small>		
<b>05 31 33 00-0001 Open Ribbed Galvanized Steel Form Deck</b> <small>(05 31 33)</small>		
05 31 33 00-0002 SF 9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.79	
For Painted, Deduct	-0.10	
For Perforated Or Slotted, Add	0.10	
For Up To 100, Add	1.06	
For >100 To 500, Add	0.54	
For >500 To 1,500, Add	0.22	
05 31 33 00-0003 SF 9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.96	
For Painted, Deduct	-0.10	
For Perforated Or Slotted, Add	0.10	
For Up To 100, Add	1.12	
For >100 To 500, Add	0.57	
For >500 To 1,500, Add	0.23	
05 31 33 00-0004 SF 9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.27	
For Painted, Deduct	-0.11	
For Perforated Or Slotted, Add	0.11	
For Up To 100, Add	1.27	
For >100 To 500, Add	0.64	
For >500 To 1,500, Add	0.26	
05 31 33 00-0005 SF 9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.53	
For Painted, Deduct	-0.12	
For Perforated Or Slotted, Add	0.12	
For Up To 100, Add	1.42	
For >100 To 500, Add	0.71	
For >500 To 1,500, Add	0.30	
05 31 33 00-0006 SF 15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.36	
For Painted, Deduct	-0.12	
For Perforated Or Slotted, Add	0.12	
For Up To 100, Add	1.16	
For >100 To 500, Add	0.61	
For >500 To 1,500, Add	0.23	
05 31 33 00-0007 SF 15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.53	
For Painted, Deduct	-0.13	
For Perforated Or Slotted, Add	0.13	
For Up To 100, Add	1.22	
For >100 To 500, Add	0.64	
For >500 To 1,500, Add	0.24	
05 31 33 00-0008 SF 15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.71	
For Painted, Deduct	-0.13	
For Perforated Or Slotted, Add	0.13	
For Up To 100, Add	1.32	
For >100 To 500, Add	0.69	
For >500 To 1,500, Add	0.26	
05 31 33 00-0009 SF 15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.95	
For Painted, Deduct	-0.14	
For Perforated Or Slotted, Add	0.14	
For Up To 100, Add	1.47	
For >100 To 500, Add	0.75	
For >500 To 1,500, Add	0.30	
05 31 33 00-0010 SF 1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.17	
For Painted, Deduct	-0.15	
For Perforated Or Slotted, Add	0.15	
For Up To 100, Add	1.53	
For >100 To 500, Add	0.79	
For >500 To 1,500, Add	0.31	
05 31 33 00-0011 SF 1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.56	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Up To 100, Add	1.63	
For >100 To 500, Add	0.85	
For >500 To 1,500, Add	0.33	

<b>05</b>	<b>Metals</b>
<b>05 30</b>	<b>Metal Decking</b>
<b>05 31</b>	<b>Steel Decking</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31	33 00-0012	SF	1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	5.24	
			<i>For Painted, Deduct</i>	-0.19	
			<i>For Perforated Or Slotted, Add</i>	0.19	
			<i>For Up To 100, Add</i>	1.78	
			<i>For &gt;100 To 500, Add</i>	0.94	
			<i>For &gt;500 To 1,500, Add</i>	0.35	
05 31	33 00-0013	SF	1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck.....	5.80	
			<i>For Painted, Deduct</i>	-0.21	
			<i>For Perforated Or Slotted, Add</i>	0.21	
			<i>For Up To 100, Add</i>	2.00	
			<i>For &gt;100 To 500, Add</i>	1.05	
			<i>For &gt;500 To 1,500, Add</i>	0.40	
<b>05 36 Composite Metal Decking</b> <small>(05 30)</small>					
See CSI section 03 30 00 00-0000 for concrete.					
05 36	00 00-0001		<b>Composite Open Ribbed Galvanized Steel Deck</b> <small>(05 36)</small>		
Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.					
05 36	00 00-0002	SF	1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.21	
			<i>For Painted, Deduct</i>	-0.15	
			<i>For Perforated Or Slotted, Add</i>	0.15	
			<i>For Up To 100, Add</i>	1.54	
			<i>For &gt;100 To 500, Add</i>	0.79	
			<i>For &gt;500 To 1,500, Add</i>	0.31	
05 36	00 00-0003	SF	1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.50	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Up To 100, Add</i>	1.70	
			<i>For &gt;100 To 500, Add</i>	0.87	
			<i>For &gt;500 To 1,500, Add</i>	0.35	
05 36	00 00-0004	SF	1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.01	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Up To 100, Add</i>	2.05	
			<i>For &gt;100 To 500, Add</i>	1.02	
			<i>For &gt;500 To 1,500, Add</i>	0.43	
05 36	00 00-0005	SF	1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.46	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Up To 100, Add</i>	2.40	
			<i>For &gt;100 To 500, Add</i>	1.16	
			<i>For &gt;500 To 1,500, Add</i>	0.52	
05 36	00 00-0006	SF	2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.50	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Up To 100, Add</i>	1.70	
			<i>For &gt;100 To 500, Add</i>	0.87	
			<i>For &gt;500 To 1,500, Add</i>	0.35	
05 36	00 00-0007	SF	2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.86	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Up To 100, Add</i>	1.86	
			<i>For &gt;100 To 500, Add</i>	0.95	
			<i>For &gt;500 To 1,500, Add</i>	0.38	
05 36	00 00-0008	SF	2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.38	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Up To 100, Add</i>	2.22	
			<i>For &gt;100 To 500, Add</i>	1.10	
			<i>For &gt;500 To 1,500, Add</i>	0.47	
05 36	00 00-0009	SF	2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.85	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Up To 100, Add</i>	2.57	
			<i>For &gt;100 To 500, Add</i>	1.25	
			<i>For &gt;500 To 1,500, Add</i>	0.55	
05 36	00 00-0010	SF	3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.73	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Up To 100, Add</i>	1.77	
			<i>For &gt;100 To 500, Add</i>	0.91	
			<i>For &gt;500 To 1,500, Add</i>	0.36	
05 36	00 00-0011	SF	3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.06	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Up To 100, Add</i>	1.97	
			<i>For &gt;100 To 500, Add</i>	1.00	
			<i>For &gt;500 To 1,500, Add</i>	0.41	
05 36	00 00-0012	SF	3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.66	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Up To 100, Add</i>	2.38	
			<i>For &gt;100 To 500, Add</i>	1.17	
			<i>For &gt;500 To 1,500, Add</i>	0.50	





<b>Metals</b>	<b>05</b>	<b>05</b>
<b>Metal Decking</b>	<b>05 30</b>	
<b>Composite Metal Decking</b>	<b>05 36</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0013 SF 3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	6.30	
For Painted, Deduct	-0.20	
For Perforated Or Slotted, Add	0.20	
For Up To 100, Add	2.79	
For >100 To 500, Add	1.35	
For >500 To 1,500, Add	0.60	
<b>05 36 00 00-0014 Composite Cellular Galvanized Steel Deck<sup>(05 36)</sup></b>		
Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.		
05 36 00 00-0015 SF 1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	7.72	
For Painted, Deduct	-0.27	
For Perforated Or Slotted, Add	0.27	
For Insulated Cells, Add	1.23	
For Up To 100, Add	2.80	
For >100 To 500, Add	1.45	
For >500 To 1,500, Add	0.56	
05 36 00 00-0016 SF 1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.25	
For Painted, Deduct	-0.29	
For Perforated Or Slotted, Add	0.29	
For Insulated Cells, Add	1.30	
For Up To 100, Add	3.07	
For >100 To 500, Add	1.57	
For >500 To 1,500, Add	0.62	
05 36 00 00-0017 SF 1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.35	
For Painted, Deduct	-0.29	
For Perforated Or Slotted, Add	0.29	
For Insulated Cells, Add	1.30	
For Up To 100, Add	3.17	
For >100 To 500, Add	1.61	
For >500 To 1,500, Add	0.65	
05 36 00 00-0018 SF 1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.85	
For Painted, Deduct	-0.30	
For Perforated Or Slotted, Add	0.30	
For Insulated Cells, Add	1.34	
For Up To 100, Add	3.48	
For >100 To 500, Add	1.75	
For >500 To 1,500, Add	0.72	
05 36 00 00-0019 SF 1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	9.48	
For Painted, Deduct	-0.32	
For Perforated Or Slotted, Add	0.32	
For Insulated Cells, Add	1.43	
For Up To 100, Add	3.75	
For >100 To 500, Add	1.88	
For >500 To 1,500, Add	0.78	
05 36 00 00-0020 SF 1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.58	
For Painted, Deduct	-0.32	
For Perforated Or Slotted, Add	0.32	
For Insulated Cells, Add	1.43	
For Up To 100, Add	3.85	
For >100 To 500, Add	1.92	
For >500 To 1,500, Add	0.80	
05 36 00 00-0021 SF 1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.08	
For Painted, Deduct	-0.33	
For Perforated Or Slotted, Add	0.33	
For Insulated Cells, Add	1.48	
For Up To 100, Add	4.16	
For >100 To 500, Add	2.06	
For >500 To 1,500, Add	0.88	
05 36 00 00-0022 SF 2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	7.98	
For Painted, Deduct	-0.28	
For Perforated Or Slotted, Add	0.28	
For Insulated Cells, Add	1.26	
For Up To 100, Add	2.96	
For >100 To 500, Add	1.52	
For >500 To 1,500, Add	0.60	
05 36 00 00-0023 SF 2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.42	
For Painted, Deduct	-0.29	
For Perforated Or Slotted, Add	0.29	
For Insulated Cells, Add	1.31	
For Up To 100, Add	3.17	
For >100 To 500, Add	1.62	
For >500 To 1,500, Add	0.65	
05 36 00 00-0024 SF 2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.51	
For Painted, Deduct	-0.29	
For Perforated Or Slotted, Add	0.29	
For Insulated Cells, Add	1.31	
For Up To 100, Add	3.26	
For >100 To 500, Add	1.66	
For >500 To 1,500, Add	0.67	

**05 Metals****05 30 Metal Decking****05 36 Composite Metal Decking**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0025 SF 2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.12	
For Painted, Deduct	-0.31	
For Perforated Or Slotted, Add	0.31	
For Insulated Cells, Add	1.38	
For Up To 100, Add	3.59	
For >100 To 500, Add	1.80	
For >500 To 1,500, Add	0.74	
05 36 00 00-0026 SF 2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	9.65	
For Painted, Deduct	-0.32	
For Perforated Or Slotted, Add	0.32	
For Insulated Cells, Add	1.45	
For Up To 100, Add	3.85	
For >100 To 500, Add	1.93	
For >500 To 1,500, Add	0.80	
05 36 00 00-0027 SF 2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.80	
For Painted, Deduct	-0.32	
For Perforated Or Slotted, Add	0.32	
For Insulated Cells, Add	1.45	
For Up To 100, Add	4.00	
For >100 To 500, Add	1.99	
For >500 To 1,500, Add	0.84	
05 36 00 00-0028 SF 2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.32	
For Painted, Deduct	-0.34	
For Perforated Or Slotted, Add	0.34	
For Insulated Cells, Add	1.51	
For Up To 100, Add	4.26	
For >100 To 500, Add	2.11	
For >500 To 1,500, Add	0.90	
05 36 00 00-0029 SF 3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.02	
For Painted, Deduct	-0.28	
For Perforated Or Slotted, Add	0.28	
For Insulated Cells, Add	1.26	
For Up To 100, Add	2.96	
For >100 To 500, Add	1.52	
For >500 To 1,500, Add	0.60	
05 36 00 00-0030 SF 3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.46	
For Painted, Deduct	-0.29	
For Perforated Or Slotted, Add	0.29	
For Insulated Cells, Add	1.31	
For Up To 100, Add	3.21	
For >100 To 500, Add	1.64	
For >500 To 1,500, Add	0.66	
05 36 00 00-0031 SF 3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.61	
For Painted, Deduct	-0.29	
For Perforated Or Slotted, Add	0.29	
For Insulated Cells, Add	1.31	
For Up To 100, Add	3.36	
For >100 To 500, Add	1.70	
For >500 To 1,500, Add	0.70	
05 36 00 00-0032 SF 3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.21	
For Painted, Deduct	-0.31	
For Perforated Or Slotted, Add	0.31	
For Insulated Cells, Add	1.39	
For Up To 100, Add	3.64	
For >100 To 500, Add	1.83	
For >500 To 1,500, Add	0.76	
05 36 00 00-0033 SF 3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	9.81	
For Painted, Deduct	-0.33	
For Perforated Or Slotted, Add	0.33	
For Insulated Cells, Add	1.47	
For Up To 100, Add	3.92	
For >100 To 500, Add	1.96	
For >500 To 1,500, Add	0.82	
05 36 00 00-0034 SF 3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	10.00	
For Painted, Deduct	-0.33	
For Perforated Or Slotted, Add	0.33	
For Insulated Cells, Add	1.47	
For Up To 100, Add	4.11	
For >100 To 500, Add	2.04	
For >500 To 1,500, Add	0.86	
05 36 00 00-0035 SF 3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.42	
For Painted, Deduct	-0.34	
For Perforated Or Slotted, Add	0.34	
For Insulated Cells, Add	1.51	
For Up To 100, Add	4.36	
For >100 To 500, Add	2.15	
For >500 To 1,500, Add	0.92	

**05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized** (05 36)

05 36 00 00-0037 SF 1" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular.....	6.01	
05 36 00 00-0038 SF 1" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular.....	4.93	
05 36 00 00-0039 SF 1" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular.....	4.08	
05 36 00 00-0040 SF 1" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular.....	3.51	
05 36 00 00-0041 SF 1-1/2" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular.....	6.63	
05 36 00 00-0042 SF 1-1/2" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular.....	5.38	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Decking	05 30	
Composite Metal Decking	05 36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0043	SF		1-1/2" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular.....	4.44	
05 36 00 00-0044	SF		1-1/2" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular.....	3.83	
05 36 00 00-0045	SF		3" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular.....	7.63	
05 36 00 00-0046	SF		3" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular.....	6.09	
05 36 00 00-0047	SF		3" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular.....	5.09	
05 36 00 00-0048	SF		3" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular.....	4.59	

## 05 40 Cold-Formed Metal Framing <sup>(05)</sup>

Note: Includes all connecting bolts and welds.

### 05 41 Structural Metal Stud Framing <sup>(05 40)</sup>

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

#### 05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners <sup>(05 41)</sup>

05 41 00 00-0002	SF	2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.73	0.93
		<i>For Walls &gt;10' High, Add</i>	1.15	
		<i>For Curved Wall, Add</i>	0.65	
		<i>For Up To 200, Add</i>	1.58	
		<i>For &gt;200 To 500, Add</i>	0.79	
		<i>For 12" On Center, Add</i>	1.04	
		<i>For 24" On Center, Deduct</i>	-1.04	
05 41 00 00-0003	SF	3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	6.47	0.93
		<i>For Walls &gt;10' High, Add</i>	1.29	
		<i>For Curved Wall, Add</i>	0.68	
		<i>For Up To 200, Add</i>	1.75	
		<i>For &gt;200 To 500, Add</i>	0.88	
		<i>For 12" On Center, Add</i>	1.18	
		<i>For 24" On Center, Deduct</i>	-1.18	
05 41 00 00-0004	SF	4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	6.75	0.93
		<i>For Walls &gt;10' High, Add</i>	1.35	
		<i>For Curved Wall, Add</i>	0.71	
		<i>For Up To 200, Add</i>	1.82	
		<i>For &gt;200 To 500, Add</i>	0.91	
		<i>For 12" On Center, Add</i>	1.23	
		<i>For 24" On Center, Deduct</i>	-1.23	
05 41 00 00-0005	SF	6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	8.80	1.04
		<i>For Walls &gt;10' High, Add</i>	1.76	
		<i>For Curved Wall, Add</i>	0.74	
		<i>For Up To 200, Add</i>	2.25	
		<i>For &gt;200 To 500, Add</i>	1.13	
		<i>For 12" On Center, Add</i>	1.64	
		<i>For 24" On Center, Deduct</i>	-1.64	
05 41 00 00-0006	SF	8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	9.90	1.14
		<i>For Walls &gt;10' High, Add</i>	1.98	
		<i>For Curved Wall, Add</i>	0.77	
		<i>For Up To 200, Add</i>	2.49	
		<i>For &gt;200 To 500, Add</i>	1.25	
		<i>For 12" On Center, Add</i>	1.85	
		<i>For 24" On Center, Deduct</i>	-1.85	

#### 05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners <sup>(05 41)</sup>

05 41 00 00-0008	SF	2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	6.19	0.93
		<i>For Walls &gt;10' High, Add</i>	1.24	
		<i>For Curved Wall, Add</i>	0.68	
		<i>For Up To 200, Add</i>	1.69	
		<i>For &gt;200 To 500, Add</i>	0.85	
		<i>For 12" On Center, Add</i>	1.12	
		<i>For 24" On Center, Deduct</i>	-1.12	
05 41 00 00-0009	SF	3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	7.25	0.94
		<i>For Walls &gt;10' High, Add</i>	1.45	
		<i>For Curved Wall, Add</i>	0.72	
		<i>For Up To 200, Add</i>	1.93	
		<i>For &gt;200 To 500, Add</i>	0.96	
		<i>For 12" On Center, Add</i>	1.33	
		<i>For 24" On Center, Deduct</i>	-1.33	
05 41 00 00-0010	SF	4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	7.67	0.94
		<i>For Walls &gt;10' High, Add</i>	1.53	
		<i>For Curved Wall, Add</i>	0.74	
		<i>For Up To 200, Add</i>	2.03	
		<i>For &gt;200 To 500, Add</i>	1.02	
		<i>For 12" On Center, Add</i>	1.41	
		<i>For 24" On Center, Deduct</i>	-1.41	
05 41 00 00-0011	SF	6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	9.91	1.14
		<i>For Walls &gt;10' High, Add</i>	1.98	
		<i>For Curved Wall, Add</i>	0.78	
		<i>For Up To 200, Add</i>	2.50	
		<i>For &gt;200 To 500, Add</i>	1.25	
		<i>For 12" On Center, Add</i>	1.85	
		<i>For 24" On Center, Deduct</i>	-1.85	

**05 Metals****05 40 Cold-Formed Metal Framing****05 41 Structural Metal Stud Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0012	SF		8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	10.99	1.24
			<i>For Walls &gt;10' High, Add</i>	2.20	
			<i>For Curved Wall, Add</i>	0.82	
			<i>For Up To 200, Add</i>	2.75	
			<i>For &gt;200 To 500, Add</i>	1.37	
			<i>For 12" On Center, Add</i>	2.06	
			<i>For 24" On Center, Deduct</i>	-2.06	
<b>05 41 00 00-0013</b>			<b>14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners</b> <small>(05 41)</small>		
05 41 00 00-0014	SF		3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	8.62	1.29
			<i>For Walls &gt;10' High, Add</i>	1.72	
			<i>For Curved Wall, Add</i>	0.86	
			<i>For Up To 200, Add</i>	2.30	
			<i>For &gt;200 To 500, Add</i>	1.15	
			<i>For 12" On Center, Add</i>	1.58	
			<i>For 24" On Center, Deduct</i>	-1.58	
05 41 00 00-0015	SF		4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	8.87	1.31
			<i>For Walls &gt;10' High, Add</i>	1.77	
			<i>For Curved Wall, Add</i>	0.88	
			<i>For Up To 200, Add</i>	2.36	
			<i>For &gt;200 To 500, Add</i>	1.18	
			<i>For 12" On Center, Add</i>	1.63	
			<i>For 24" On Center, Deduct</i>	-1.63	
05 41 00 00-0016	SF		6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	11.37	1.38
			<i>For Walls &gt;10' High, Add</i>	2.27	
			<i>For Curved Wall, Add</i>	0.92	
			<i>For Up To 200, Add</i>	2.89	
			<i>For &gt;200 To 500, Add</i>	1.44	
			<i>For 12" On Center, Add</i>	2.12	
			<i>For 24" On Center, Deduct</i>	-2.12	
05 41 00 00-0017	SF		8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	12.55	1.45
			<i>For Walls &gt;10' High, Add</i>	2.51	
			<i>For Curved Wall, Add</i>	0.96	
			<i>For Up To 200, Add</i>	3.15	
			<i>For &gt;200 To 500, Add</i>	1.58	
			<i>For 12" On Center, Add</i>	2.35	
			<i>For 24" On Center, Deduct</i>	-2.35	
<b>05 42 Cold-Formed Metal Joist Framing</b> <small>(05 40)</small>					
<b>05 42 13 Cold-Formed Metal Floor Joist Framing</b> <small>(05 42)</small>					
			Note: Floor or roof joist framing		
<b>05 42 13 00-0001</b>			<b>Steel Joists, 20 Gauge</b> <small>(05 42 13)</small>		
05 42 13 00-0002	LF		5-1/2" - 20 Gauge Steel Joists .....	12.63	2.21
05 42 13 00-0003	LF		6" - 20 Gauge Steel Joists .....	13.57	2.79
05 42 13 00-0004	LF		7-1/4" - 20 Gauge Steel Joists .....	14.68	3.06
05 42 13 00-0005	LF		8" - 20 Gauge Steel Joists .....	16.58	3.25
<b>05 42 13 00-0006</b>			<b>Steel Joists, 18 Gauge</b> <small>(05 42 13)</small>		
05 42 13 00-0007	LF		5-1/2" - 18 Gauge Steel Joists .....	14.08	2.46
05 42 13 00-0008	LF		6" - 18 Gauge Steel Joists .....	15.16	3.10
05 42 13 00-0009	LF		7-1/4" - 18 Gauge Steel Joists .....	16.45	3.39
05 42 13 00-0010	LF		8" - 18 Gauge Steel Joists .....	16.87	3.61
<b>05 42 13 00-0011</b>			<b>Steel Joists, 16 Gauge</b> <small>(05 42 13)</small>		
05 42 13 00-0012	LF		7-1/4" - 16 Gauge Steel Joists .....	17.94	3.42
05 42 13 00-0013	LF		8" - 16 Gauge Steel Joists .....	18.96	3.61
<b>05 42 13 00-0014</b>			<b>Steel Joists, 14 Gauge</b> <small>(05 42 13)</small>		
05 42 13 00-0015	LF		9-1/4" - 14 Gauge Steel Joists .....	21.66	3.61
05 42 13 00-0016	LF		11-1/2" - 14 Gauge Steel Joists .....	23.60	3.80
<b>05 42 13 00-0017</b>			<b>Steel Joists, 12 Gauge</b> <small>(05 42 13)</small>		
05 42 13 00-0018	LF		9-1/4" - 12 Gauge Steel Joists .....	25.99	3.97
05 42 13 00-0019	LF		11-1/2" - 12 Gauge Steel Joists .....	28.53	4.18
<b>05 42 13 00-0020</b>			<b>Steel Joists, 10 Gauge</b> <small>(05 42 13)</small>		
05 42 13 00-0021	LF		9-1/4" - 10 Gauge Steel Joists .....	30.38	4.37
05 42 13 00-0022	LF		11-1/2" - 10 Gauge Steel Joists .....	33.51	4.60
<b>05 42 13 00-0023</b>			<b>Steel Joists, 8 Gauge</b> <small>(05 42 13)</small>		
05 42 13 00-0024	LF		9-1/4" - 8 Gauge Steel Joists .....	34.83	4.81



<b>Metals</b>	<b>05</b>
Cold-Formed Metal Framing	05 40
Cold-Formed Metal Joist Framing	05 42

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 42 13 00-0025 LF 11-1/2" - 8 Gauge Steel Joists .....	38.53	5.07
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**05 42 23 Cold-Formed Metal Roof Joist Framing (05 42)**  
See CSI section 05 42 13 00-0000 for metal joist framing.

**05 43 Slotted Channel Framing (05 40)**

**05 43 00 00-0001 Unistrut Channel (05 43)**

Note: Excludes fasteners and accessories.

**05 43 00 00-0002 Steel Unistrut Channel (05 43 00 00-0001)**

05 43 00 00-0003 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel .....	11.19	2.30
For Powder Coating, Add	0.99	
For Galvanizing, Add	1.12	
05 43 00 00-0004 LF 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel .....	11.51	2.30
For Powder Coating, Add	1.04	
For Galvanizing, Add	1.18	
05 43 00 00-0005 LF 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel .....	12.01	2.30
For Powder Coating, Add	1.11	
For Galvanizing, Add	1.26	
05 43 00 00-0006 LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel .....	10.55	2.30
For Powder Coating, Add	0.89	
For Galvanizing, Add	1.01	
05 43 00 00-0007 LF 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel .....	9.15	2.30
For Powder Coating, Add	0.68	
For Galvanizing, Add	0.78	

**05 43 00 00-0008 Stainless Steel Unistrut Channel (05 43 00 00-0001)**

**05 43 00 00-0009 304 Stainless Steel Unistrut Channel (05 43 00 00-0008)**

05 43 00 00-0010 LF 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	24.19	2.30
05 43 00 00-0011 LF 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	28.98	2.30
05 43 00 00-0012 LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	27.79	2.30
05 43 00 00-0013 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	35.18	2.30

**05 43 00 00-0014 316 Stainless Steel Unistrut Channel (05 43 00 00-0008)**

05 43 00 00-0015 LF 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel .....	39.72	2.30
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**05 43 00 00-0016 Accessories For Unistrut Channel (05 43)**

05 43 00 00-0017 EA Trolley Truck Hanger, 1-5/8" Channel P1834 .....	54.59	7.63
05 43 00 00-0018 EA Flat Plate Fitting, One Hole, 1-5/8" Channel P1064 .....	13.45	5.08
05 43 00 00-0019 EA 60 Degree Angle, 1-5/8" Channel P2097 .....	14.10	5.08

**05 43 00 00-0020 Unistrut Closure Strips (05 43)**

05 43 00 00-0021 LF Steel Raceway Closure Strip For Unistrut Channel .....	5.98	0.50
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**05 43 00 00-0022 Lock Nuts With Spring For Unistrut Channel (05 43)**

Note: Includes hex bolt.

**05 43 00 00-0023 Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0022)**

Note: Includes hex bolt.

05 43 00 00-0024 EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel .....	7.00	
05 43 00 00-0025 EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel .....	7.68	
05 43 00 00-0026 EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel .....	8.19	
05 43 00 00-0027 EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel .....	10.95	

**05 43 00 00-0028 Stainless Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0022)**

Note: Includes hex bolt.

05 43 00 00-0029 EA 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	14.08	
05 43 00 00-0030 EA 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	14.95	
05 43 00 00-0031 EA 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	20.98	
05 43 00 00-0032 EA 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	35.56	

**05 43 00 00-0033 Lock Nuts Without Spring For Unistrut Channel (05 43)**

Note: Includes hex bolt.

**05 43 00 00-0034 Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0033)**

Note: Includes hex bolt.

05 43 00 00-0035 EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel .....	7.02	
05 43 00 00-0036 EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel .....	7.78	
05 43 00 00-0037 EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel .....	8.23	
05 43 00 00-0038 EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel .....	11.75	

**05 Metals****05 40 Cold-Formed Metal Framing****05 43 Slotted Channel Framing**MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

05 43 00 00-0039	<b>Stainless Steel Lock Nuts Without Spring For Unistrut Channel</b> (05 43 00 00-0033) Note: Includes hex bolt.		
05 43 00 00-0040	EA 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	10.22	
05 43 00 00-0041	EA 3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	12.22	
05 43 00 00-0042	EA 1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	13.28	
05 43 00 00-0043	EA 5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	34.66	
05 43 00 00-0044	<b>Beam Clamp For Unistrut Channel</b> (05 43)		
05 43 00 00-0045	EA 1-5/8" Channel, P2675 Unistrut Beam Clamp.....	21.76	7.63
05 43 00 00-0046	EA 1-5/8" Channel, P2676 Unistrut Beam Clamp.....	27.82	7.63
05 43 00 00-0047	EA Add For Unistrut Swivel Nut, P2676.....	3.30	
05 43 00 00-0048	<b>Beam Clamp Clevis Hangers For Unistrut Channel</b> (05 43)		
05 43 00 00-0049	EA Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674).....	23.86	7.63
05 43 00 00-0050	EA Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677).....	28.68	7.63
05 43 00 00-0051	EA Add For Unistrut Swivel Nut.....	3.30	
05 43 00 00-0052	EA 6-Hole ElectroGalvanized Steel Shelf Bracket For Unistrut.....	166.50	10.17
05 43 00 00-0053	<b>Pipe And Rigid Conduit Clamps</b> (05 43)		
05 43 00 00-0054	<b>Pipe And Rigid Conduit Clamps</b> (05 43 00 00-0053) Note: Includes stainless steel (316) hardware.		
05 43 00 00-0055	PR 1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	7.00	1.99
05 43 00 00-0056	PR 3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	7.19	1.99
05 43 00 00-0057	PR 1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	8.17	2.40
05 43 00 00-0058	PR 1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	8.63	2.61
05 43 00 00-0059	PR 1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	11.19	2.92
05 43 00 00-0060	PR 2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	11.19	2.92
05 43 00 00-0061	PR 2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	16.95	4.90
05 43 00 00-0062	PR 3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	17.32	4.90
05 43 00 00-0063	PR 3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	18.43	5.42
05 43 00 00-0064	PR 4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	20.45	5.85
05 43 00 00-0065	<b>Pipe And Rigid Conduit Clamps</b> (05 43 00 00-0053) Note: Includes nylon hardware.		
05 43 00 00-0066	PR 1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	9.57	1.99
05 43 00 00-0067	PR 3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	9.91	1.99
05 43 00 00-0068	PR 1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	10.89	2.40
05 43 00 00-0069	PR 1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	11.45	2.61
05 43 00 00-0070	PR 1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	15.60	2.92
05 43 00 00-0071	PR 2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	15.60	2.92
05 43 00 00-0072	PR 2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	22.90	4.90
05 43 00 00-0073	PR 3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	23.58	4.90
05 43 00 00-0074	PR 3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	24.79	5.42
05 43 00 00-0075	PR 4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	27.68	5.85
05 45	<b>Metal Support Assemblies</b> (05 40)		
05 45 13	<b>Mechanical Metal Supports</b> (05 45) See CSI section 23 05 29 00-0000 for metal supports.		
05 45 16	<b>Electrical Metal Supports</b> (05 45) See CSI section 26 05 29 00-0000 for metal supports.		
05 50	<b>Metal Fabrications</b> (05)		
05 51	<b>Metal Stairs</b> (05 50)		
05 51 13	<b>Metal Pan Stairs</b> (05 51) Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail. See CSI section 05 52 13 00-0000 for handrails.		
05 51 13 00-0001	<b>Open Concrete Filled Metal Pan Stair And Landing</b> (05 51 13) Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.		
05 51 13 00-0002	RSR 3'-6" Wide Open Concrete Filled Metal Pan Tread Stair.....	950.64	29.86
	For Closed Riser, Add	109.98	
05 51 13 00-0003	RSR 4'-0" Wide Open Concrete Filled Metal Pan Tread Stair.....	1,080.10	34.84
	For Closed Riser, Add	124.83	
05 51 13 00-0004	RSR 5'-0" Wide Open Concrete Filled Metal Pan Tread Stair.....	1,202.80	40.81
	For Closed Riser, Add	138.74	
05 51 13 00-0005	SF Concrete Filled Steel Pan Landing.....	82.01	4.98
	Note: Conventional shape.		
05 51 19	<b>Metal Grating Stairs</b> (05 51) Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.		



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Stairs	05 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>05 51 19 00-0001</b> <b>Open Steel Grating Tread Metal Stair And Landing</b> <small>(05 51 19)</small>		
Note: Includes steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0002    RSR 3'-6" Wide Open Steel Grating Tread Metal Stair .....	459.89	39.82
For Closed Riser, Add	55.41	
For Galvanized Steel, Add	95.06	
05 51 19 00-0003    RSR 4'-0" Wide Open Steel Grating Tread Metal Stair .....	489.93	45.79
For Closed Riser, Add	58.65	
For Galvanized Steel, Add	99.59	
05 51 19 00-0004    RSR 5'-0" Wide Open Steel Grating Tread Metal Stair .....	542.07	53.75
For Closed Riser, Add	64.56	
For Galvanized Steel, Add	108.64	
05 51 19 00-0005    SF Steel Grating Landing With Framing And 2 Pipe Handrail .....	85.09	4.98
Note: Conventional shape.		
For Galvanized Steel, Add	16.30	
<b>05 51 33</b> <b>Metal Ladders</b> <small>(05 51)</small>		
Note: Includes factory prime.		
<b>05 51 33 13</b> <b>Vertical Metal Ladders</b> <small>(05 51 33)</small>		
<b>05 51 33 13-0001</b> <b>Vertical Ladders</b> <small>(05 51 33 13)</small>		
Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"		
05 51 33 13-0002    VLF 20" Wide Vertical Steel Ladder Primed .....	87.35	11.94
For Galvanized Steel, Add	12.47	
For Aluminum, Add	24.94	
05 51 33 13-0003    VLF 24" Wide Vertical Steel Ladder Primed .....	99.99	11.94
For Galvanized Steel, Add	15.63	
For Aluminum, Add	31.26	
05 51 33 13-0004    VLF 20" Wide Vertical Steel Caged Ladder Primed .....	208.34	19.91
For Galvanized Steel, Add	36.22	
For Aluminum, Add	72.45	
05 51 33 13-0005    VLF 24" Wide Vertical Steel Caged Ladder Primed .....	233.62	19.91
For Galvanized Steel, Add	42.54	
For Aluminum, Add	85.09	
<b>05 51 33 13-0006</b> <b>Vertical Ladders Options</b> <small>(05 51 33 13)</small>		
05 51 33 13-0007    EA 20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed .....	340.46	37.33
Note: Extends 42" above landing surface. Includes mounting bracket.		
For Galvanized Steel, Add	66.45	
For Aluminum, Add	132.90	
05 51 33 13-0008    EA 24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed .....	372.80	39.82
Note: Extends 42" above landing surface. Includes mounting bracket.		
For Galvanized Steel, Add	73.29	
For Aluminum, Add	146.58	
05 51 33 13-0009    EA Security Cage Entry Gate With Lockable Hasp .....	513.49	12.44
05 51 33 13-0010    EA 6' Security Ladder Guard .....	1,093.29	74.66
05 51 33 13-0011    EA 8' Security Ladder Guard .....	1,307.75	87.09
05 51 33 13-0012    EA Safety Chain Attachment .....	199.71	
<b>05 51 33 13-0013</b> <b>Welded Steel Ladder Cages</b> <small>(05 51 33 13)</small>		
Note: For existing fixed ladders up to 20" wide. Excludes the ladder.		
<b>05 51 33 13-0014</b> <b>Powder Coated, Welded Steel Ladder Cages</b> <small>(05 51 33 13-0013)</small>		
05 51 33 13-0015    EA 7-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,017.72	149.31
05 51 33 13-0016    EA 8-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,192.65	154.29
05 51 33 13-0017    EA 9-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,331.72	159.26
05 51 33 13-0018    EA 10-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,480.34	164.24
05 51 33 13-0019    EA 11-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,566.81	169.22
05 51 33 13-0020    EA 12-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,708.27	174.20
05 51 33 13-0021    EA 13-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,832.99	179.17
05 51 33 13-0022    EA 14-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,995.96	184.15
05 51 33 13-0023    EA 15-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	3,154.16	189.13
05 51 33 13-0024    EA 16-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	3,283.66	194.11
05 51 33 13-0025    EA 17-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	3,441.86	199.08
05 51 33 13-0026    EA 18-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	3,595.26	204.06
05 51 33 13-0027    EA 19-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	3,746.29	209.04
05 51 33 13-0028    EA 20-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	4,021.63	214.02
05 51 33 13-0029    EA 21-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	4,103.32	218.99
05 51 33 13-0030    EA 22-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	4,244.77	223.97
05 51 33 13-0031    EA 23-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	4,374.27	228.95
05 51 33 13-0032    EA 24-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	4,494.22	233.92
05 51 33 13-0033    EA 25-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	4,762.39	238.90
05 51 33 13-0034    EA 26-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	4,906.24	243.87
05 51 33 13-0035    EA 27-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	5,040.52	248.85
<b>05 51 33 13-0036</b> <b>Stainless Steel, Welded Steel Ladder Cages</b> <small>(05 51 33 13-0013)</small>		
05 51 33 13-0037    EA 7-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	4,844.92	149.31
05 51 33 13-0038    EA 8-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	5,176.67	154.29
05 51 33 13-0039    EA 9-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	5,729.82	159.26



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 51 33 13-0040	EA	10-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,002.23	164.24
05 51 33 13-0041	EA	11-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,231.29	169.22
05 51 33 13-0042	EA	12-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,535.65	174.20
05 51 33 13-0043	EA	13-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	7,084.23	179.17
05 51 33 13-0044	EA	14-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	7,361.21	184.15
05 51 33 13-0045	EA	15-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	7,647.32	189.13
05 51 33 13-0046	EA	16-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	7,960.81	194.11
05 51 33 13-0047	EA	17-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	8,520.80	199.08
05 51 33 13-0048	EA	18-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	8,800.05	204.06
05 51 33 13-0049	EA	19-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	9,065.63	209.04
05 51 33 13-0050	EA	20-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	9,506.93	214.02
05 51 33 13-0051	EA	21-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	10,003.02	218.99
05 51 33 13-0052	EA	22-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	10,277.71	223.97
05 51 33 13-0053	EA	23-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	10,559.25	228.95
05 51 33 13-0054	EA	24-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	10,822.54	233.92
05 51 33 13-0055	EA	25-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	11,501.20	238.90
05 51 33 13-0056	EA	26-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	11,764.50	243.87
05 51 33 13-0057	EA	27-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	12,034.63	248.85

### 05 51 33 16 Inclined Metal Ladders (05 51 33)

#### 05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs (05 51 33 16)

Note: Includes factory prime.

05 51 33 16-0002	RSR	3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side.....	327.13	49.77
		For Aluminum, Add	113.80	

### 05 51 33 23 Alternating Tread Ladders (05 51 33)

#### 05 51 33 23-0001 Vertical Ladders With Alternating Tread (05 51 33 23)

05 51 33 23-0002	EA	4' Vertical Height Aluminum Alternating Tread Ladder .....	2,082.42	149.31
		For Stainless Steel, Add	196.80	
		For Primed Steel, Deduct	-191.42	
05 51 33 23-0003	EA	5' Vertical Height Aluminum Alternating Tread Ladder .....	2,384.61	158.27
		For Stainless Steel, Add	240.90	
		For Primed Steel, Deduct	-223.30	
05 51 33 23-0004	EA	6' Vertical Height Aluminum Alternating Tread Ladder .....	2,646.94	158.27
		For Stainless Steel, Add	288.67	
		For Primed Steel, Deduct	-241.55	
05 51 33 23-0005	EA	7' Vertical Height Aluminum Alternating Tread Ladder .....	3,022.28	198.88
		For Stainless Steel, Add	347.24	
		For Primed Steel, Deduct	-256.61	
05 51 33 23-0006	EA	8' Vertical Height Aluminum Alternating Tread Ladder .....	3,318.47	205.93
		For Stainless Steel, Add	388.99	
		For Primed Steel, Deduct	-298.53	
05 51 33 23-0007	EA	9' Vertical Height Aluminum Alternating Tread Ladder .....	3,550.26	205.93
		For Stainless Steel, Add	453.51	
		For Primed Steel, Deduct	-293.53	
05 51 33 23-0008	EA	10' Vertical Height Aluminum Alternating Tread Ladder.....	3,898.84	229.71
		For Stainless Steel, Add	497.40	
		For Primed Steel, Deduct	-327.55	
05 51 33 23-0009	EA	11' Vertical Height Aluminum Alternating Tread Ladder.....	4,158.55	229.71
		For Stainless Steel, Add	546.61	
		For Primed Steel, Deduct	-347.07	
05 51 33 23-0010	EA	12' Vertical Height Aluminum Alternating Tread Ladder.....	4,360.61	229.71
		For Stainless Steel, Add	623.99	
		For Primed Steel, Deduct	-346.65	

### 05 52 Metal Railings (05 50)

#### 05 52 13 Pipe and Tube Railings (05 52)

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001		Welded Steel Pipe Railing (05 52 13) Note: Includes field welds and touch-up of welds.		
05 52 13 00-0002		One Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001) Note: Includes factory primed posts and one rail.		





<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0003 LF 1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	35.46	9.95
For Schedule 80 Handrail, Add	4.08	
For 11 Gauge A513 Steel Tubing, Deduct	-3.42	
For 12 Gauge A513 Steel Tubing, Deduct	-3.89	
For 14 Gauge A513 Steel Tubing, Deduct	-5.13	
For 16 Gauge A513 Steel Tubing, Deduct	-6.06	
For Additional Off Set Handrail, ADA Attachment, Add	12.47	
For Aluminum, Satin Finish, Add	6.53	
For Aluminum, Clear Anodized Finish, Add	10.11	
For Aluminum, Dark Anodized Finish, Add	11.66	
For Galvanizing, Add	6.22	
For Wrought Iron, Add	3.55	
For Solid Steel Rails, Add	7.09	
For 304 Stainless Steel, Add	49.76	
For 316 Stainless Steel, Add	55.98	
For 2" Wheel Guard, Add	1.48	
For 4" High Kick Plate, Add	1.94	
For 6" High Kick Plate, Add	3.11	
For Curved Rail, Add	15.30	
For Mounting On Stairs, Add	10.64	
For Mounting On Slopes, Add	3.55	
For Post Base Flange With Screws, Add Per Post	19.49	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.49	
For Custom Design Or Shapes (Square Tops, etc), Add	12.75	
For Nylon Coating, Add	2.33	
05 52 13 00-0004 LF 1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing .....	38.14	9.95
For Schedule 80 Handrail, Add	6.30	
For 11 Gauge A513 Steel Tubing, Deduct	-4.01	
For 12 Gauge A513 Steel Tubing, Deduct	-4.56	
For 14 Gauge A513 Steel Tubing, Deduct	-6.02	
For 16 Gauge A513 Steel Tubing, Deduct	-7.11	
For Additional Off Set Handrail, ADA Attachment, Add	12.47	
For Aluminum, Satin Finish, Add	7.66	
For Aluminum, Clear Anodized Finish, Add	11.85	
For Aluminum, Dark Anodized Finish, Add	13.67	
For Galvanizing, Add	7.29	
For Wrought Iron, Add	3.81	
For Solid Steel Rails, Add	7.63	
For 304 Stainless Steel, Add	58.34	
For 316 Stainless Steel, Add	65.63	
For 2" Wheel Guard, Add	1.73	
For 4" High Kick Plate, Add	2.28	
For 6" High Kick Plate, Add	3.65	
For Curved Rail, Add	16.91	
For Mounting On Stairs, Add	11.44	
For Mounting On Slopes, Add	3.81	
For Post Base Flange With Screws, Add Per Post	19.49	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.49	
For Custom Design Or Shapes (Square Tops, etc), Add	14.09	
For Nylon Coating, Add	2.73	
05 52 13 00-0005 LF 1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing .....	40.82	9.95
For Schedule 80 Handrail, Add	6.30	
For 11 Gauge A513 Steel Tubing, Deduct	-4.60	
For 12 Gauge A513 Steel Tubing, Deduct	-5.23	
For 14 Gauge A513 Steel Tubing, Deduct	-6.90	
For 16 Gauge A513 Steel Tubing, Deduct	-8.15	
For Additional Off Set Handrail, ADA Attachment, Add	12.47	
For Aluminum, Satin Finish, Add	8.78	
For Aluminum, Clear Anodized Finish, Add	13.59	
For Aluminum, Dark Anodized Finish, Add	15.68	
For Galvanizing, Add	8.36	
For Wrought Iron, Add	4.08	
For Solid Steel Rails, Add	8.16	
For 304 Stainless Steel, Add	66.91	
For 316 Stainless Steel, Add	75.28	
For 2" Wheel Guard, Add	1.99	
For 4" High Kick Plate, Add	2.61	
For 6" High Kick Plate, Add	4.18	
For Curved Rail, Add	18.52	
For Mounting On Stairs, Add	12.25	
For Mounting On Slopes, Add	4.08	
For Post Base Flange With Screws, Add Per Post	19.49	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.49	
For Custom Design Or Shapes (Square Tops, etc), Add	15.43	
For Nylon Coating, Add	3.14	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0006	LF		2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	45.46	9.95
			<i>For Schedule 80 Handrail, Add</i>	7.19	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-5.62	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-6.39	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-8.43	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-9.96	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.47	
			<i>For Aluminum, Satin Finish, Add</i>	10.73	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	16.61	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	19.16	
			<i>For Galvanizing, Add</i>	10.22	
			<i>For Wrought Iron, Add</i>	4.55	
			<i>For Solid Steel Rails, Add</i>	9.09	
			<i>For 304 Stainless Steel, Add</i>	81.76	
			<i>For 316 Stainless Steel, Add</i>	91.98	
			<i>For 2" Wheel Guard, Add</i>	2.43	
			<i>For 4" High Kick Plate, Add</i>	3.19	
			<i>For 6" High Kick Plate, Add</i>	5.11	
			<i>For Curved Rail, Add</i>	21.30	
			<i>For Mounting On Stairs, Add</i>	13.64	
			<i>For Mounting On Slopes, Add</i>	4.55	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.49	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.49	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	17.75	
			<i>For Nylon Coating, Add</i>	3.83	
05 52 13 00-0007	LF		2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	51.03	9.95
			<i>For Schedule 80 Handrail, Add</i>	8.10	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.85	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.78	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-10.27	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-12.14	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.47	
			<i>For Aluminum, Satin Finish, Add</i>	13.07	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	20.23	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	23.34	
			<i>For Galvanizing, Add</i>	12.45	
			<i>For Wrought Iron, Add</i>	5.10	
			<i>For Solid Steel Rails, Add</i>	10.21	
			<i>For 304 Stainless Steel, Add</i>	99.58	
			<i>For 316 Stainless Steel, Add</i>	112.03	
			<i>For 2" Wheel Guard, Add</i>	2.96	
			<i>For 4" High Kick Plate, Add</i>	3.89	
			<i>For 6" High Kick Plate, Add</i>	6.22	
			<i>For Curved Rail, Add</i>	24.65	
			<i>For Mounting On Stairs, Add</i>	15.31	
			<i>For Mounting On Slopes, Add</i>	5.10	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.49	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.49	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	20.54	
			<i>For Nylon Coating, Add</i>	4.67	
05 52 13 00-0008			<b>Two Rail, Up To 42" High, Welded Steel Pipe Railings</b> <small>(05 52 13 00-0001)</small>		
			Note: Includes factory primed posts and two rails.		
05 52 13 00-0009	LF		1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	47.12	9.95
			<i>For Schedule 80 Handrail, Add</i>	4.08	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-5.99	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-6.80	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-8.98	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-10.61	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.47	
			<i>For Aluminum, Satin Finish, Add</i>	11.43	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	17.69	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	20.41	
			<i>For Galvanizing, Add</i>	10.88	
			<i>For Wrought Iron, Add</i>	4.71	
			<i>For Solid Steel Rails, Add</i>	9.42	
			<i>For 304 Stainless Steel, Add</i>	87.07	
			<i>For 316 Stainless Steel, Add</i>	97.96	
			<i>For 2" Wheel Guard, Add</i>	2.58	
			<i>For 4" High Kick Plate, Add</i>	3.40	
			<i>For 6" High Kick Plate, Add</i>	5.44	
			<i>For Curved Rail, Add</i>	22.30	
			<i>For Mounting On Stairs, Add</i>	14.14	
			<i>For Mounting On Slopes, Add</i>	4.71	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.49	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.49	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	18.58	
			<i>For Nylon Coating, Add</i>	4.08	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0010 LF 1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing .....	51.81	9.95
For Schedule 80 Handrail, Add	6.30	
For 11 Gauge A513 Steel Tubing, Deduct	-7.02	
For 12 Gauge A513 Steel Tubing, Deduct	-7.98	
For 14 Gauge A513 Steel Tubing, Deduct	-10.53	
For 16 Gauge A513 Steel Tubing, Deduct	-12.44	
For Additional Off Set Handrail, ADA Attachment, Add	12.47	
For Aluminum, Satin Finish, Add	13.40	
For Aluminum, Clear Anodized Finish, Add	20.74	
For Aluminum, Dark Anodized Finish, Add	23.93	
For Galvanizing, Add	12.76	
For Wrought Iron, Add	5.18	
For Solid Steel Rails, Add	10.36	
For 304 Stainless Steel, Add	102.08	
For 316 Stainless Steel, Add	114.84	
For 2" Wheel Guard, Add	3.03	
For 4" High Kick Plate, Add	3.99	
For 6" High Kick Plate, Add	6.38	
For Curved Rail, Add	25.11	
For Mounting On Stairs, Add	15.54	
For Mounting On Slopes, Add	5.18	
For Post Base Flange With Screws, Add Per Post	19.49	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.49	
For Custom Design Or Shapes (Square Tops, etc), Add	20.93	
For Nylon Coating, Add	4.79	
05 52 13 00-0011 LF 1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing .....	56.49	9.95
For Schedule 80 Handrail, Add	6.30	
For 11 Gauge A513 Steel Tubing, Deduct	-8.05	
For 12 Gauge A513 Steel Tubing, Deduct	-9.15	
For 14 Gauge A513 Steel Tubing, Deduct	-12.07	
For 16 Gauge A513 Steel Tubing, Deduct	-14.27	
For Additional Off Set Handrail, ADA Attachment, Add	12.47	
For Aluminum, Satin Finish, Add	15.36	
For Aluminum, Clear Anodized Finish, Add	23.78	
For Aluminum, Dark Anodized Finish, Add	27.44	
For Galvanizing, Add	14.63	
For Wrought Iron, Add	5.65	
For Solid Steel Rails, Add	11.30	
For 304 Stainless Steel, Add	117.06	
For 316 Stainless Steel, Add	131.69	
For 2" Wheel Guard, Add	3.48	
For 4" High Kick Plate, Add	4.57	
For 6" High Kick Plate, Add	7.32	
For Curved Rail, Add	27.92	
For Mounting On Stairs, Add	16.95	
For Mounting On Slopes, Add	5.65	
For Post Base Flange With Screws, Add Per Post	19.49	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.49	
For Custom Design Or Shapes (Square Tops, etc), Add	23.27	
For Nylon Coating, Add	5.49	
05 52 13 00-0012 LF 2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	64.62	9.95
For Schedule 80 Handrail, Add	7.19	
For 11 Gauge A513 Steel Tubing, Deduct	-9.84	
For 12 Gauge A513 Steel Tubing, Deduct	-11.18	
For 14 Gauge A513 Steel Tubing, Deduct	-14.75	
For 16 Gauge A513 Steel Tubing, Deduct	-17.44	
For Additional Off Set Handrail, ADA Attachment, Add	12.47	
For Aluminum, Satin Finish, Add	18.78	
For Aluminum, Clear Anodized Finish, Add	29.06	
For Aluminum, Dark Anodized Finish, Add	33.53	
For Galvanizing, Add	17.88	
For Wrought Iron, Add	6.46	
For Solid Steel Rails, Add	12.92	
For 304 Stainless Steel, Add	143.07	
For 316 Stainless Steel, Add	160.96	
For 2" Wheel Guard, Add	4.25	
For 4" High Kick Plate, Add	5.59	
For 6" High Kick Plate, Add	8.94	
For Curved Rail, Add	32.80	
For Mounting On Stairs, Add	19.39	
For Mounting On Slopes, Add	6.46	
For Post Base Flange With Screws, Add Per Post	19.49	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.49	
For Custom Design Or Shapes (Square Tops, etc), Add	27.33	
For Nylon Coating, Add	6.71	

05	<b>05 Metals</b>
	<b>05 50 Metal Fabrications</b>
	<b>05 52 Metal Railings</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0013 LF 2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	74.36	9.95
For Schedule 80 Handrail, Add	8.10	
For 11 Gauge A513 Steel Tubing, Deduct	-11.98	
For 12 Gauge A513 Steel Tubing, Deduct	-13.61	
For 14 Gauge A513 Steel Tubing, Deduct	-17.97	
For 16 Gauge A513 Steel Tubing, Deduct	-21.24	
For Additional Off Set Handrail, ADA Attachment, Add	12.47	
For Aluminum, Satin Finish, Add	22.87	
For Aluminum, Clear Anodized Finish, Add	35.39	
For Aluminum, Dark Anodized Finish, Add	40.84	
For Galvanizing, Add	21.78	
For Wrought Iron, Add	7.44	
For Solid Steel Rails, Add	14.87	
For 304 Stainless Steel, Add	174.24	
For 316 Stainless Steel, Add	196.02	
For 2" Wheel Guard, Add	5.17	
For 4" High Kick Plate, Add	6.81	
For 6" High Kick Plate, Add	10.89	
For Curved Rail, Add	38.64	
For Mounting On Stairs, Add	22.31	
For Mounting On Slopes, Add	7.44	
For Post Base Flange With Screws, Add Per Post	19.49	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.49	
For Custom Design Or Shapes (Square Tops, etc), Add	32.20	
For Nylon Coating, Add	8.17	
<b>05 52 13 00-0014 Three Rail, Up To 42" High, Welded Steel Pipe Railings</b> <small>(05 52 13 00-0001)</small>		
<i>Note: Includes factory primed posts and three rails.</i>		
05 52 13 00-0015 LF 1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing .....	73.88	11.94
For Schedule 80 Handrail, Add	5.96	
For 11 Gauge A513 Steel Tubing, Deduct	-11.00	
For 12 Gauge A513 Steel Tubing, Deduct	-12.50	
For 14 Gauge A513 Steel Tubing, Deduct	-16.50	
For 16 Gauge A513 Steel Tubing, Deduct	-19.50	
For Additional Off Set Handrail, ADA Attachment, Add	13.27	
For Aluminum, Satin Finish, Add	21.00	
For Aluminum, Clear Anodized Finish, Add	32.49	
For Aluminum, Dark Anodized Finish, Add	37.49	
For Galvanizing, Add	20.00	
For Wrought Iron, Add	7.39	
For Solid Steel Rails, Add	14.78	
For 304 Stainless Steel, Add	159.97	
For 316 Stainless Steel, Add	179.96	
For 2" Wheel Guard, Add	4.75	
For 4" High Kick Plate, Add	6.25	
For 6" High Kick Plate, Add	10.00	
For Curved Rail, Add	37.16	
For Mounting On Stairs, Add	22.16	
For Mounting On Slopes, Add	7.39	
For Post Base Flange With Screws, Add Per Post	19.89	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.08	
For Custom Design Or Shapes (Square Tops, etc), Add	30.97	
For Nylon Coating, Add	7.50	
05 52 13 00-0016 LF 1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	82.49	11.94
For Schedule 80 Handrail, Add	8.92	
For 11 Gauge A513 Steel Tubing, Deduct	-12.89	
For 12 Gauge A513 Steel Tubing, Deduct	-14.65	
For 14 Gauge A513 Steel Tubing, Deduct	-19.34	
For 16 Gauge A513 Steel Tubing, Deduct	-22.85	
For Additional Off Set Handrail, ADA Attachment, Add	13.27	
For Aluminum, Satin Finish, Add	24.61	
For Aluminum, Clear Anodized Finish, Add	38.09	
For Aluminum, Dark Anodized Finish, Add	43.95	
For Galvanizing, Add	23.44	
For Wrought Iron, Add	8.25	
For Solid Steel Rails, Add	16.50	
For 304 Stainless Steel, Add	187.52	
For 316 Stainless Steel, Add	210.96	
For 2" Wheel Guard, Add	5.57	
For 4" High Kick Plate, Add	7.33	
For 6" High Kick Plate, Add	11.72	
For Curved Rail, Add	42.33	
For Mounting On Stairs, Add	24.75	
For Mounting On Slopes, Add	8.25	
For Post Base Flange With Screws, Add Per Post	19.89	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.08	
For Custom Design Or Shapes (Square Tops, etc), Add	35.27	
For Nylon Coating, Add	8.79	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0017 LF 1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	91.10	11.94
For Schedule 80 Handrail, Add	8.92	
For 11 Gauge A513 Steel Tubing, Deduct	-14.79	
For 12 Gauge A513 Steel Tubing, Deduct	-16.80	
For 14 Gauge A513 Steel Tubing, Deduct	-22.18	
For 16 Gauge A513 Steel Tubing, Deduct	-26.21	
For Additional Off Set Handrail, ADA Attachment, Add	13.27	
For Aluminum, Satin Finish, Add	28.23	
For Aluminum, Clear Anodized Finish, Add	43.69	
For Aluminum, Dark Anodized Finish, Add	50.41	
For Galvanizing, Add	26.88	
For Wrought Iron, Add	9.11	
For Solid Steel Rails, Add	18.22	
For 304 Stainless Steel, Add	215.07	
For 316 Stainless Steel, Add	241.96	
For 2" Wheel Guard, Add	6.38	
For 4" High Kick Plate, Add	8.40	
For 6" High Kick Plate, Add	13.44	
For Curved Rail, Add	47.49	
For Mounting On Stairs, Add	27.33	
For Mounting On Slopes, Add	9.11	
For Post Base Flange With Screws, Add Per Post	19.89	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.08	
For Custom Design Or Shapes (Square Tops, etc), Add	39.58	
For Nylon Coating, Add	10.08	
05 52 13 00-0018 LF 2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	106.06	11.94
For Schedule 80 Handrail, Add	10.11	
For 11 Gauge A513 Steel Tubing, Deduct	-18.08	
For 12 Gauge A513 Steel Tubing, Deduct	-20.54	
For 14 Gauge A513 Steel Tubing, Deduct	-27.12	
For 16 Gauge A513 Steel Tubing, Deduct	-32.05	
For Additional Off Set Handrail, ADA Attachment, Add	13.27	
For Aluminum, Satin Finish, Add	34.51	
For Aluminum, Clear Anodized Finish, Add	53.41	
For Aluminum, Dark Anodized Finish, Add	61.63	
For Galvanizing, Add	32.87	
For Wrought Iron, Add	10.61	
For Solid Steel Rails, Add	21.21	
For 304 Stainless Steel, Add	262.94	
For 316 Stainless Steel, Add	295.81	
For 2" Wheel Guard, Add	7.81	
For 4" High Kick Plate, Add	10.27	
For 6" High Kick Plate, Add	16.43	
For Curved Rail, Add	56.47	
For Mounting On Stairs, Add	31.82	
For Mounting On Slopes, Add	10.61	
For Post Base Flange With Screws, Add Per Post	19.89	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.08	
For Custom Design Or Shapes (Square Tops, etc), Add	47.06	
For Nylon Coating, Add	12.33	
05 52 13 00-0019 LF 2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	123.88	11.94
For Schedule 80 Handrail, Add	11.32	
For 11 Gauge A513 Steel Tubing, Deduct	-22.00	
For 12 Gauge A513 Steel Tubing, Deduct	-25.00	
For 14 Gauge A513 Steel Tubing, Deduct	-33.00	
For 16 Gauge A513 Steel Tubing, Deduct	-39.00	
For Additional Off Set Handrail, ADA Attachment, Add	13.27	
For Aluminum, Satin Finish, Add	42.00	
For Aluminum, Clear Anodized Finish, Add	64.99	
For Aluminum, Dark Anodized Finish, Add	74.99	
For Galvanizing, Add	40.00	
For Wrought Iron, Add	12.39	
For Solid Steel Rails, Add	24.78	
For 304 Stainless Steel, Add	319.97	
For 316 Stainless Steel, Add	359.96	
For 2" Wheel Guard, Add	9.50	
For 4" High Kick Plate, Add	12.50	
For 6" High Kick Plate, Add	20.00	
For Curved Rail, Add	67.16	
For Mounting On Stairs, Add	37.16	
For Mounting On Slopes, Add	12.39	
For Post Base Flange With Screws, Add Per Post	19.89	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.08	
For Custom Design Or Shapes (Square Tops, etc), Add	55.97	
For Nylon Coating, Add	15.00	

05 52 13 00-0020 Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)  
 Note: Includes factory primed posts and four rails.



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 52 13 00-0021	LF 1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing .....	89.24	13.93
	For Schedule 80 Handrail, Add	8.08	
	For 11 Gauge A513 Steel Tubing, Deduct	-13.50	
	For 12 Gauge A513 Steel Tubing, Deduct	-15.34	
	For 14 Gauge A513 Steel Tubing, Deduct	-20.25	
	For 16 Gauge A513 Steel Tubing, Deduct	-23.93	
	For Additional Off Set Handrail, ADA Attachment, Add	14.07	
	For Aluminum, Satin Finish, Add	25.77	
	For Aluminum, Clear Anodized Finish, Add	39.88	
	For Aluminum, Dark Anodized Finish, Add	46.02	
	For Galvanizing, Add	24.54	
	For Wrought Iron, Add	8.92	
	For Solid Steel Rails, Add	17.85	
	For 304 Stainless Steel, Add	196.35	
	For 316 Stainless Steel, Add	220.90	
	For 2" Wheel Guard, Add	5.83	
	For 4" High Kick Plate, Add	7.67	
	For 6" High Kick Plate, Add	12.27	
	For Curved Rail, Add	45.18	
	For Mounting On Stairs, Add	26.77	
	For Mounting On Slopes, Add	8.92	
	For Post Base Flange With Screws, Add Per Post	20.29	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.68	
	For Custom Design Or Shapes (Square Tops, etc), Add	37.65	
	For Nylon Coating, Add	9.20	
05 52 13 00-0022	LF 1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing .....	96.88	13.93
	For Schedule 80 Handrail, Add	11.78	
	For 11 Gauge A513 Steel Tubing, Deduct	-15.18	
	For 12 Gauge A513 Steel Tubing, Deduct	-17.25	
	For 14 Gauge A513 Steel Tubing, Deduct	-22.77	
	For 16 Gauge A513 Steel Tubing, Deduct	-26.91	
	For Additional Off Set Handrail, ADA Attachment, Add	14.07	
	For Aluminum, Satin Finish, Add	28.98	
	For Aluminum, Clear Anodized Finish, Add	44.85	
	For Aluminum, Dark Anodized Finish, Add	51.75	
	For Galvanizing, Add	27.60	
	For Wrought Iron, Add	9.69	
	For Solid Steel Rails, Add	19.38	
	For 304 Stainless Steel, Add	220.80	
	For 316 Stainless Steel, Add	248.40	
	For 2" Wheel Guard, Add	6.56	
	For 4" High Kick Plate, Add	8.63	
	For 6" High Kick Plate, Add	13.80	
	For Curved Rail, Add	49.76	
	For Mounting On Stairs, Add	29.06	
	For Mounting On Slopes, Add	9.69	
	For Post Base Flange With Screws, Add Per Post	20.29	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.68	
	For Custom Design Or Shapes (Square Tops, etc), Add	41.47	
	For Nylon Coating, Add	10.35	
05 52 13 00-0023	LF 1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing .....	104.53	13.93
	For Schedule 80 Handrail, Add	11.78	
	For 11 Gauge A513 Steel Tubing, Deduct	-16.86	
	For 12 Gauge A513 Steel Tubing, Deduct	-19.16	
	For 14 Gauge A513 Steel Tubing, Deduct	-25.29	
	For 16 Gauge A513 Steel Tubing, Deduct	-29.89	
	For Additional Off Set Handrail, ADA Attachment, Add	14.07	
	For Aluminum, Satin Finish, Add	32.19	
	For Aluminum, Clear Anodized Finish, Add	49.82	
	For Aluminum, Dark Anodized Finish, Add	57.49	
	For Galvanizing, Add	30.66	
	For Wrought Iron, Add	10.45	
	For Solid Steel Rails, Add	20.91	
	For 304 Stainless Steel, Add	245.28	
	For 316 Stainless Steel, Add	275.94	
	For 2" Wheel Guard, Add	7.28	
	For 4" High Kick Plate, Add	9.58	
	For 6" High Kick Plate, Add	15.33	
	For Curved Rail, Add	54.35	
	For Mounting On Stairs, Add	31.36	
	For Mounting On Slopes, Add	10.45	
	For Post Base Flange With Screws, Add Per Post	20.29	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.68	
	For Custom Design Or Shapes (Square Tops, etc), Add	45.30	
	For Nylon Coating, Add	11.50	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0024 LF 2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	121.55	13.93
For Schedule 80 Handrail, Add	13.27	
For 11 Gauge A513 Steel Tubing, Deduct	-20.61	
For 12 Gauge A513 Steel Tubing, Deduct	-23.42	
For 14 Gauge A513 Steel Tubing, Deduct	-30.91	
For 16 Gauge A513 Steel Tubing, Deduct	-36.53	
For Additional Off Set Handrail, ADA Attachment, Add	14.07	
For Aluminum, Satin Finish, Add	39.34	
For Aluminum, Clear Anodized Finish, Add	60.89	
For Aluminum, Dark Anodized Finish, Add	70.25	
For Galvanizing, Add	37.47	
For Wrought Iron, Add	12.16	
For Solid Steel Rails, Add	24.31	
For 304 Stainless Steel, Add	299.74	
For 316 Stainless Steel, Add	337.21	
For 2" Wheel Guard, Add	8.90	
For 4" High Kick Plate, Add	11.71	
For 6" High Kick Plate, Add	18.73	
For Curved Rail, Add	64.57	
For Mounting On Stairs, Add	36.47	
For Mounting On Slopes, Add	12.16	
For Post Base Flange With Screws, Add Per Post	20.29	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.68	
For Custom Design Or Shapes (Square Tops, etc), Add	53.81	
For Nylon Coating, Add	14.05	
05 52 13 00-0025 LF 2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	141.50	13.93
For Schedule 80 Handrail, Add	14.78	
For 11 Gauge A513 Steel Tubing, Deduct	-25.00	
For 12 Gauge A513 Steel Tubing, Deduct	-28.41	
For 14 Gauge A513 Steel Tubing, Deduct	-37.49	
For 16 Gauge A513 Steel Tubing, Deduct	-44.31	
For Additional Off Set Handrail, ADA Attachment, Add	14.07	
For Aluminum, Satin Finish, Add	47.72	
For Aluminum, Clear Anodized Finish, Add	73.85	
For Aluminum, Dark Anodized Finish, Add	85.22	
For Galvanizing, Add	45.45	
For Wrought Iron, Add	14.15	
For Solid Steel Rails, Add	28.30	
For 304 Stainless Steel, Add	363.58	
For 316 Stainless Steel, Add	409.03	
For 2" Wheel Guard, Add	10.79	
For 4" High Kick Plate, Add	14.20	
For 6" High Kick Plate, Add	22.72	
For Curved Rail, Add	76.54	
For Mounting On Stairs, Add	42.45	
For Mounting On Slopes, Add	14.15	
For Post Base Flange With Screws, Add Per Post	20.29	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.68	
For Custom Design Or Shapes (Square Tops, etc), Add	63.78	
For Nylon Coating, Add	17.04	
<b>05 52 13 00-0026 Railing Infill Panels (05 52 13)</b>		
Note: Includes field welds and touch-up of welds.		
<b>05 52 13 00-0027 Wire Mesh Or Welded Wire Mesh, Railing Infill Panels (05 52 13 00-0026)</b>		
Note: Square weave or square welded wire mesh.		
05 52 13 00-0028 SF Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	13.86	
05 52 13 00-0029 SF Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	14.72	
05 52 13 00-0030 SF Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	15.47	
05 52 13 00-0031 SF Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	26.16	
<b>05 52 13 00-0032 Perforated Metal, Railing Infill Panels (05 52 13 00-0026)</b>		
05 52 13 00-0033 SF Powder Coated Steel, Perforated Metal, Railing Infill Panel .....	13.59	
05 52 13 00-0034 SF Galvanized Steel, Perforated Metal, Railing Infill Panel .....	14.05	
05 52 13 00-0035 SF Aluminum, Perforated Metal, Railing Infill Panel .....	15.04	
05 52 13 00-0036 SF Stainless Steel, Perforated Metal, Railing Infill Panel .....	30.19	
<b>05 52 13 00-0037 Expanded Metal, Railing Infill Panels (05 52 13 00-0026)</b>		
05 52 13 00-0038 SF Powder Coated Steel, Expanded Metal, Railing Infill Panel .....	6.13	
05 52 13 00-0039 SF Galvanized Steel, Expanded Metal, Railing Infill Panel .....	12.53	
05 52 13 00-0040 SF Aluminum, Expanded Metal, Railing Infill Panel .....	16.46	
05 52 13 00-0041 SF Stainless Steel, Expanded Metal, Railing Infill Panel .....	24.53	
<b>05 52 13 00-0042 Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings (05 52 13)</b>		
Note: Includes factory primed, fasteners and field touch-up of welds.		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 52 13 00-0043	LF 1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	35.76	5.98
	<i>For Schedule 80 Handrail, Add</i>	2.27	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-4.58	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.21	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-6.87	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-8.12	
	<i>For Stainless Steel, Add</i>	41.66	
	<i>For Aluminum, Satin Finish, Add</i>	8.75	
	<i>For Curved Rail, Add</i>	10.73	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	13.54	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	15.62	
	<i>For Galvanized Finish, Add</i>	6.25	
05 52 13 00-0044	LF 1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	36.43	5.98
	<i>For Schedule 80 Handrail, Add</i>	2.63	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-4.73	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.38	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-7.10	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-8.39	
	<i>For Stainless Steel, Add</i>	43.00	
	<i>For Aluminum, Satin Finish, Add</i>	9.03	
	<i>For Curved Rail, Add</i>	10.93	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	13.98	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	16.13	
	<i>For Galvanized Finish, Add</i>	6.45	
05 52 13 00-0045	LF 1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	37.10	5.98
	<i>For Schedule 80 Handrail, Add</i>	7.57	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-4.88	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.54	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-7.32	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-8.65	
	<i>For Stainless Steel, Add</i>	44.34	
	<i>For Aluminum, Satin Finish, Add</i>	9.31	
	<i>For Curved Rail, Add</i>	11.13	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	14.41	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	16.63	
	<i>For Galvanized Finish, Add</i>	6.65	
05 52 13 00-0046	LF 2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	44.83	5.98
	<i>For Schedule 80 Handrail, Add</i>	3.31	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.58	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.48	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-9.87	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-11.66	
	<i>For Stainless Steel, Add</i>	59.80	
	<i>For Aluminum, Satin Finish, Add</i>	12.56	
	<i>For Curved Rail, Add</i>	13.45	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	19.44	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	22.43	
	<i>For Galvanized Finish, Add</i>	8.97	
05 52 13 00-0047	LF 2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	51.21	5.98
	<i>For Schedule 80 Handrail, Add</i>	3.61	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-7.98	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-9.07	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-11.97	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-14.15	
	<i>For Stainless Steel, Add</i>	72.56	
	<i>For Aluminum, Satin Finish, Add</i>	15.24	
	<i>For Curved Rail, Add</i>	15.36	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	23.58	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	27.21	
	<i>For Galvanized Finish, Add</i>	10.88	

**05 52 13 00-0048 Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings** (05 52 13)

Note: Includes factory primed, fasteners and field touch-up of welds.

05 52 13 00-0049	LF 1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	43.65	6.27
	<i>For Schedule 80 Handrail, Add</i>	2.27	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.32	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.18	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-9.48	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-11.20	
	<i>For Stainless Steel, Add</i>	57.44	
	<i>For Aluminum, Satin Finish, Add</i>	12.06	
	<i>For Curved Rail, Add</i>	13.10	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	18.67	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	21.54	
	<i>For Galvanized Finish, Add</i>	8.62	





<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0050 LF 1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	44.59	6.27
For Schedule 80 Handrail, Add	2.63	
For 11 Gauge A513 Steel Tubing, Deduct	-6.53	
For 12 Gauge A513 Steel Tubing, Deduct	-7.42	
For 14 Gauge A513 Steel Tubing, Deduct	-9.79	
For 16 Gauge A513 Steel Tubing, Deduct	-11.57	
For Stainless Steel, Add	59.32	
For Aluminum, Satin Finish, Add	12.46	
For Curved Rail, Add	13.38	
For Aluminum, Clear Anodized Finish, Add	19.28	
For Aluminum, Dark Anodized Finish, Add	22.25	
For Galvanized Finish, Add	8.90	
05 52 13 00-0051 LF 1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	45.30	6.27
For Schedule 80 Handrail, Add	7.57	
For 11 Gauge A513 Steel Tubing, Deduct	-6.68	
For 12 Gauge A513 Steel Tubing, Deduct	-7.59	
For 14 Gauge A513 Steel Tubing, Deduct	-10.02	
For 16 Gauge A513 Steel Tubing, Deduct	-11.84	
For Stainless Steel, Add	60.74	
For Aluminum, Satin Finish, Add	12.76	
For Curved Rail, Add	13.59	
For Aluminum, Clear Anodized Finish, Add	19.74	
For Aluminum, Dark Anodized Finish, Add	22.78	
For Galvanized Finish, Add	9.11	
05 52 13 00-0052 LF 2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	56.08	6.27
For Schedule 80 Handrail, Add	3.31	
For 11 Gauge A513 Steel Tubing, Deduct	-9.05	
For 12 Gauge A513 Steel Tubing, Deduct	-10.29	
For 14 Gauge A513 Steel Tubing, Deduct	-13.58	
For 16 Gauge A513 Steel Tubing, Deduct	-16.05	
For Stainless Steel, Add	82.30	
For Aluminum, Satin Finish, Add	17.28	
For Curved Rail, Add	16.82	
For Aluminum, Clear Anodized Finish, Add	26.75	
For Aluminum, Dark Anodized Finish, Add	30.86	
For Galvanized Finish, Add	12.35	
05 52 13 00-0053 LF 2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	63.13	6.27
For Schedule 80 Handrail, Add	3.61	
For 11 Gauge A513 Steel Tubing, Deduct	-10.60	
For 12 Gauge A513 Steel Tubing, Deduct	-12.05	
For 14 Gauge A513 Steel Tubing, Deduct	-15.91	
For 16 Gauge A513 Steel Tubing, Deduct	-18.80	
For Stainless Steel, Add	96.40	
For Aluminum, Satin Finish, Add	20.24	
For Curved Rail, Add	18.94	
For Aluminum, Clear Anodized Finish, Add	31.33	
For Aluminum, Dark Anodized Finish, Add	36.15	
For Galvanized Finish, Add	14.46	
<b>05 52 13 00-0054 Railing Accessories (05 52 13)</b>		
05 52 13 00-0055 EA Anti-Skateboard Devise Attached To Stair Railing.....	44.69	20.49
<b>05 52 13 00-0056 Remove And Reinstall Pipe Railing (05 52 13)</b>		
05 52 13 00-0057 LF Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing.....	22.40	
05 52 13 00-0058 LF Removal And Reinstallation Of Floor Mounted Pipe Railing.....	29.94	
05 52 13 00-0059 EA Install New Galvanized Steel Pipe Railing Bracket.....	60.33	
For Stainless Steel, Add	60.94	
<b>05 53 Metal Gratings (05 50)</b>		
<b>05 53 13 Bar Gratings (05 53)</b>		
05 53 13 00-0001 <b>Welded Grating (05 53 13)</b>		
Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.		
05 53 13 00-0002 <b>Steel, Welded Grating (05 53 13 00-0001)</b>		
Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0003 SF 3/4" x 1/8" Steel, Welded Grating.....	8.23	1.10
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.03	
For 304 Stainless Steel, Add	19.39	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	1.76	
For Crossbars At 2" On-Center, Add	0.65	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0004	SF		3/4" x 3/16" Steel, Welded Grating.....	10.73	1.10
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.45	
			For 304 Stainless Steel, Add	27.41	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	2.49	
			For Crossbars At 2" On-Center, Add	0.92	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.68	
05 53 13 00-0005	SF		1" x 1/8" Steel, Welded Grating.....	9.83	1.10
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.30	
			For 304 Stainless Steel, Add	24.52	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	2.23	
			For Crossbars At 2" On-Center, Add	0.83	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.66	
05 53 13 00-0006	SF		1" x 3/16" Steel, Welded Grating.....	13.22	1.10
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.88	
			For 304 Stainless Steel, Add	35.41	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	3.22	
			For Crossbars At 2" On-Center, Add	1.19	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.74	
05 53 13 00-0007	SF		1" x 1/4" Steel, Welded Grating.....	16.62	1.10
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.45	
			For 304 Stainless Steel, Add	46.32	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	4.21	
			For Crossbars At 2" On-Center, Add	1.56	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.83	
05 53 13 00-0008	SF		1-1/4" x 1/8" Steel, Welded Grating .....	11.46	1.10
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.58	
			For 304 Stainless Steel, Add	29.76	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	2.71	
			For Crossbars At 2" On-Center, Add	1.00	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.70	
05 53 13 00-0009	SF		1-1/4" x 3/16" Steel, Welded Grating .....	15.58	1.10
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.28	
			For 304 Stainless Steel, Add	42.98	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	3.91	
			For Crossbars At 2" On-Center, Add	1.45	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.80	
05 53 13 00-0010	SF		1-1/2" x 1/8" Steel, Welded Grating .....	13.08	1.10
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.85	
			For 304 Stainless Steel, Add	34.96	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	3.18	
			For Crossbars At 2" On-Center, Add	1.18	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.74	
05 53 13 00-0011	SF		1-1/2" x 3/16" Steel, Welded Grating .....	18.56	1.35
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.70	
			For 304 Stainless Steel, Add	50.94	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	4.63	
			For Crossbars At 2" On-Center, Add	1.71	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.20	
05 53 13 00-0012	SF		1-1/2" x 1/4" Steel, Welded Grating .....	23.72	1.35
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.58	
			For 304 Stainless Steel, Add	67.51	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	6.14	
			For Crossbars At 2" On-Center, Add	2.27	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.33	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0013 SF 1-3/4" x 3/16" Steel, Welded Grating .....	21.08	1.35
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.13	
For 304 Stainless Steel, Add	59.03	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	5.37	
For Crossbars At 2" On-Center, Add	1.99	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.26	
05 53 13 00-0014 SF 2" x 3/16" Steel, Welded Grating .....	23.44	1.35
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.53	
For 304 Stainless Steel, Add	66.61	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	6.06	
For Crossbars At 2" On-Center, Add	2.24	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.32	
05 53 13 00-0015 SF 2-1/4" x 3/16" Steel, Welded Grating .....	25.94	1.35
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.95	
For 304 Stainless Steel, Add	74.63	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	6.79	
For Crossbars At 2" On-Center, Add	2.51	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.38	
05 53 13 00-0016 SF 2-1/2" x 3/16" Steel, Welded Grating .....	28.29	1.35
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.35	
For 304 Stainless Steel, Add	82.18	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	7.48	
For Crossbars At 2" On-Center, Add	2.76	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.44	
<b>05 53 13 00-0017 Pressure Locked Grating</b> <small>(05 53 13)</small>		
Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
<b>05 53 13 00-0018 Steel, Pressure Locked Grating</b> <small>(05 53 13 00-0017)</small>		
Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019 SF 3/4" x 1/8" Steel, Pressure Locked Grating.....	14.78	1.10
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.06	
For 304 Stainless Steel, Add	23.56	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	3.68	
For Crossbars At 2" On-Center, Add	1.36	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.78	
05 53 13 00-0020 SF 3/4" x 3/16" Steel, Pressure Locked Grating.....	17.99	1.10
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.59	
For 304 Stainless Steel, Add	29.56	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	4.61	
For Crossbars At 2" On-Center, Add	1.71	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.86	
05 53 13 00-0021 SF 1" x 1/8" Steel, Pressure Locked Grating.....	16.15	1.10
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.29	
For 304 Stainless Steel, Add	26.12	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	4.08	
For Crossbars At 2" On-Center, Add	1.51	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.82	
05 53 13 00-0022 SF 1" x 3/16" Steel, Pressure Locked Grating.....	21.67	1.10
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.19	
For 304 Stainless Steel, Add	36.45	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 7/16" On-Center, Add	28.25	
For Bearing Bars At 15/16" On-Center, Add	5.69	
For Crossbars At 2" On-Center, Add	2.10	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0023	SF		1-1/4" x 1/8" Steel, Pressure Locked Grating.....	17.99	1.10
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.59	
			For 304 Stainless Steel, Add	29.56	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	4.61	
			For Crossbars At 2" On-Center, Add	1.71	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.86	
05 53 13 00-0024	SF		1-1/4" x 3/16" Steel, Pressure Locked Grating.....	24.22	1.10
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.61	
			For 304 Stainless Steel, Add	41.22	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	6.43	
			For Crossbars At 2" On-Center, Add	2.38	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.02	
05 53 13 00-0025	SF		1-1/2" x 1/8" Steel, Pressure Locked Grating.....	19.92	1.10
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.91	
			For 304 Stainless Steel, Add	33.17	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	5.18	
			For Crossbars At 2" On-Center, Add	1.91	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.91	
05 53 13 00-0026	SF		1-1/2" x 3/16" Steel, Pressure Locked Grating.....	27.40	1.35
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.05	
			For 304 Stainless Steel, Add	46.23	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 7/16" On-Center, Add	35.83	
			For Bearing Bars At 15/16" On-Center, Add	7.22	
			For Crossbars At 2" On-Center, Add	2.67	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.42	
05 53 13 00-0027	SF		1-3/4" x 3/16" Steel, Pressure Locked Grating.....	30.10	1.35
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.50	
			For 304 Stainless Steel, Add	51.28	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	8.00	
			For Crossbars At 2" On-Center, Add	2.96	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.49	
05 53 13 00-0028	SF		2" x 3/16" Steel, Pressure Locked Grating.....	32.29	1.35
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.85	
			For 304 Stainless Steel, Add	55.38	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	8.64	
			For Crossbars At 2" On-Center, Add	3.20	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.54	
05 53 13 00-0029	SF		2-1/4" x 3/16" Steel, Pressure Locked Grating.....	34.40	1.35
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	5.20	
			For 304 Stainless Steel, Add	59.33	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	9.26	
			For Crossbars At 2" On-Center, Add	3.42	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.60	
05 53 13 00-0030	SF		2-1/2" x 3/16" Steel, Pressure Locked Grating.....	36.22	1.35
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	5.50	
			For 304 Stainless Steel, Add	62.73	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	9.79	
			For Crossbars At 2" On-Center, Add	3.62	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.64	
05 53 13 00-0031			<b>Aluminum, Type 6063, Pressure Locked Grating</b> <small>(05 53 13 00-0017)</small>		
			Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0032	SF		3/4" x 1/8" Aluminum, Pressure Locked Grating.....	17.58	1.10
			For Bearing Bars At 15/16" On-Center, Add	4.49	
			For Crossbars At 2" On-Center, Add	1.66	
			For Set In Place Without Bolting, Deduct	-1.85	
			For Powder Coating, Add	2.31	
05 53 13 00-0033	SF		3/4" x 3/16" Aluminum, Pressure Locked Grating.....	23.89	1.10
			For Bearing Bars At 15/16" On-Center, Add	6.34	
			For Crossbars At 2" On-Center, Add	2.34	
			For Set In Place Without Bolting, Deduct	-2.01	
			For Powder Coating, Add	3.26	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0034 SF 1" x 1/8" Aluminum, Pressure Locked Grating.....	22.53	1.10
For Bearing Bars At 15/16" On-Center, Add	5.94	
For Crossbars At 2" On-Center, Add	2.20	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.98	
For Powder Coating, Add	3.05	
05 53 13 00-0035 SF 1" x 3/16" Aluminum, Pressure Locked Grating.....	30.69	1.10
For Bearing Bars At 7/16" On-Center, Add	41.33	
For Bearing Bars At 15/16" On-Center, Add	8.32	
For Crossbars At 2" On-Center, Add	3.08	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.18	
For Powder Coating, Add	4.28	
05 53 13 00-0036 SF 1-1/4" x 1/8" Aluminum, Pressure Locked Grating.....	26.12	1.10
For Bearing Bars At 15/16" On-Center, Add	6.99	
For Crossbars At 2" On-Center, Add	2.58	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.07	
For Powder Coating, Add	3.59	
05 53 13 00-0037 SF 1-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	35.02	1.10
For Bearing Bars At 15/16" On-Center, Add	9.59	
For Crossbars At 2" On-Center, Add	3.55	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.29	
For Powder Coating, Add	4.92	
05 53 13 00-0038 SF 1-1/2" x 1/8" Aluminum, Pressure Locked Grating.....	29.50	1.10
For Bearing Bars At 15/16" On-Center, Add	7.97	
For Crossbars At 2" On-Center, Add	2.95	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.15	
For Powder Coating, Add	4.10	
05 53 13 00-0039 SF 1-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	39.48	1.10
For Bearing Bars At 7/16" On-Center, Add	54.07	
For Bearing Bars At 15/16" On-Center, Add	10.89	
For Crossbars At 2" On-Center, Add	4.03	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.40	
For Powder Coating, Add	5.59	
05 53 13 00-0040 SF 1-3/4" x 3/16" Aluminum, Pressure Locked Grating.....	43.75	1.10
For Bearing Bars At 15/16" On-Center, Add	12.14	
For Crossbars At 2" On-Center, Add	4.49	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.51	
For Powder Coating, Add	6.23	
05 53 13 00-0041 SF 2" x 3/16" Aluminum, Pressure Locked Grating.....	48.81	1.10
For Bearing Bars At 15/16" On-Center, Add	13.61	
For Crossbars At 2" On-Center, Add	5.03	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.63	
For Powder Coating, Add	6.99	
05 53 13 00-0042 SF 2-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	52.78	1.10
For Bearing Bars At 15/16" On-Center, Add	14.77	
For Crossbars At 2" On-Center, Add	5.46	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.73	
For Powder Coating, Add	7.59	
05 53 13 00-0043 SF 2-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	57.51	1.10
For Bearing Bars At 15/16" On-Center, Add	16.15	
For Crossbars At 2" On-Center, Add	5.97	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.85	
For Powder Coating, Add	8.30	

**05 53 13 00-0044 Swage Locked Grating** (05 53 13)

Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.

**05 53 13 00-0045 Steel, Swage Locked Grating** (05 53 13 00-0044)

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0046 SF 1" x 3/16" Steel, Swaged Grating.....	23.63	1.10
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.97	
For 304 Stainless Steel, Add	35.55	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	13.72	
For Crossbars At 2" On-Center, Add	1.72	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0047 SF 1-1/4" x 3/16" Steel, Swaged Grating.....	26.28	1.10
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.22	
For 304 Stainless Steel, Add	39.94	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	15.42	
For Crossbars At 2" On-Center, Add	1.93	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.07	
05 53 13 00-0048 SF 1-1/2" x 3/16" Steel, Swaged Grating.....	28.85	1.35
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.41	
For 304 Stainless Steel, Add	43.37	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	16.74	
For Crossbars At 2" On-Center, Add	2.09	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.46	
05 53 13 00-0049 SF 1-3/4" x 3/16" Steel, Swaged Grating.....	32.90	1.35
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.78	
For 304 Stainless Steel, Add	50.09	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	19.33	
For Crossbars At 2" On-Center, Add	2.42	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.56	
05 53 13 00-0050 SF 2" x 3/16" Steel, Swaged Grating.....	36.97	1.35
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.15	
For 304 Stainless Steel, Add	56.84	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	21.94	
For Crossbars At 2" On-Center, Add	2.74	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.66	
05 53 13 00-0051 SF 2-1/4" x 3/16" Steel, Swaged Grating.....	41.03	1.35
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.53	
For 304 Stainless Steel, Add	63.57	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	24.54	
For Crossbars At 2" On-Center, Add	3.07	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.76	
05 53 13 00-0052 SF 2-1/2" x 3/16" Steel, Swaged Grating.....	45.10	1.35
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.90	
For 304 Stainless Steel, Add	70.32	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	27.14	
For Crossbars At 2" On-Center, Add	3.39	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.86	
<b>05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked</b> <small>(05 53 13 00-0044)</small>		
Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0054 SF 1" x 1/8" Aluminum, Swaged Grating.....	20.79	1.10
For Bearing Bars At 15/16" On-Center, Add	11.90	
For Crossbars At 2" On-Center, Add	1.49	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.93	
For Powder Coating, Add	2.79	
05 53 13 00-0055 SF 1" x 3/16" Aluminum, Swaged Grating.....	27.02	1.10
For Bearing Bars At 15/16" On-Center, Add	15.89	
For Crossbars At 2" On-Center, Add	1.99	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.09	
For Powder Coating, Add	3.72	
05 53 13 00-0056 SF 1-1/4" x 1/8" Aluminum, Swaged Grating.....	23.59	1.10
For Bearing Bars At 15/16" On-Center, Add	13.70	
For Crossbars At 2" On-Center, Add	1.71	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.00	
For Powder Coating, Add	3.21	
05 53 13 00-0057 SF 1-1/4" x 3/16" Aluminum, Swaged Grating.....	31.21	1.10
For Bearing Bars At 15/16" On-Center, Add	18.57	
For Crossbars At 2" On-Center, Add	2.32	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.19	
For Powder Coating, Add	4.35	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0058	SF		1-1/2" x 1/8" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	26.91 15.82 1.98 0.16 -2.09 3.71	1.10
05 53 13 00-0059	SF		1-1/2" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	35.70 21.45 2.68 0.16 -2.31 5.03	1.10
05 53 13 00-0060	SF		1-3/4" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	40.87 24.76 3.09 0.16 -2.43 5.80	1.10
05 53 13 00-0061	SF		2" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	46.01 28.04 3.51 0.16 -2.56 6.57	1.10
05 53 13 00-0062	SF		2-1/4" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	51.17 31.35 3.92 0.16 -2.69 7.35	1.10
05 53 13 00-0063	SF		2-1/2" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	56.31 34.64 4.33 0.16 -2.82 8.12	1.10
05 53 13 00-0064			<b>Riveted Grating</b> <small>(05 53 13)</small> Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.		
05 53 13 00-0065			<b>Steel, Riveted Grating</b> <small>(05 53 13 00-0064)</small> Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066	SF		3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	44.13 0.22 2.01 36.03 14.47 -2.52	1.10
05 53 13 00-0067	SF		3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	51.81 0.22 2.38 42.62 17.12 -2.71	1.10
05 53 13 00-0068	SF		1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	47.67 0.22 2.18 39.07 15.69 0.16 -2.60	1.10
05 53 13 00-0069	SF		1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	54.74 0.22 2.52 45.14 18.13 0.16 -2.78	1.10
05 53 13 00-0070	SF		1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	50.60 0.22 2.32 41.58 16.70 0.16 -2.68	1.10
05 53 13 00-0071	SF		1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	60.19 0.22 2.78 49.82 20.01 0.16 -2.92	1.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0072 SF 1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating.....	53.92	1.35
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.46	
For 304 Stainless Steel, Add	44.01	
For 5/8" Clear Opening, Add	17.67	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.08	
05 53 13 00-0073 SF 1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating.....	64.17	1.35
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.95	
For 304 Stainless Steel, Add	52.81	
For 5/8" Clear Opening, Add	21.21	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.34	
05 53 13 00-0074 SF 1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating.....	69.40	1.35
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.20	
For 304 Stainless Steel, Add	57.30	
For 5/8" Clear Opening, Add	23.01	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.47	
05 53 13 00-0075 SF 2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating.....	81.08	1.35
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.76	
For 304 Stainless Steel, Add	67.34	
For 5/8" Clear Opening, Add	27.04	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.76	
05 53 13 00-0076 SF 2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating.....	85.15	1.35
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.96	
For 304 Stainless Steel, Add	70.83	
For 5/8" Clear Opening, Add	28.45	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.86	
05 53 13 00-0077 SF 2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating.....	88.77	1.35
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.13	
For 304 Stainless Steel, Add	73.94	
For 5/8" Clear Opening, Add	29.70	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.95	
<b>05 53 13 00-0078 Aluminum, Riveted Grating</b> <small>(05 53 13 00-0064)</small>		
Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079 SF 3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating.....	44.67	1.10
For 5/8" Clear Opening, Add	14.66	
For Powder Coating, Add	6.37	
For Set In Place Without Bolting, Deduct	-2.53	
05 53 13 00-0080 SF 3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating.....	53.08	1.10
For 5/8" Clear Opening, Add	17.56	
For Powder Coating, Add	7.63	
For Set In Place Without Bolting, Deduct	-2.74	
05 53 13 00-0081 SF 1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating.....	49.16	1.10
For 5/8" Clear Opening, Add	16.20	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	7.05	
For Set In Place Without Bolting, Deduct	-2.64	
05 53 13 00-0082 SF 1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating.....	57.37	1.10
For 5/8" Clear Opening, Add	19.04	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	8.28	
For Set In Place Without Bolting, Deduct	-2.85	
05 53 13 00-0083 SF 1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating.....	55.17	1.10
For 5/8" Clear Opening, Add	18.28	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	7.95	
For Set In Place Without Bolting, Deduct	-2.79	
05 53 13 00-0084 SF 1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating.....	66.57	1.10
For 5/8" Clear Opening, Add	22.21	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	9.66	
For Set In Place Without Bolting, Deduct	-3.08	
05 53 13 00-0085 SF 1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating.....	59.28	1.10
For 5/8" Clear Opening, Add	19.70	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	8.56	
For Set In Place Without Bolting, Deduct	-2.89	
05 53 13 00-0086 SF 1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating.....	73.75	1.10
For 5/8" Clear Opening, Add	24.69	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	10.73	
For Set In Place Without Bolting, Deduct	-3.26	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 53	13 00-0087	SF	1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating..... <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Powder Coating, Add</i> <i>For Set In Place Without Bolting, Deduct</i>	81.34 27.31 0.16 11.87 -3.45	1.10
	05 53	13 00-0088	SF	2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating..... <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Powder Coating, Add</i> <i>For Set In Place Without Bolting, Deduct</i>	96.92 32.68 0.16 14.21 -3.84	1.10
	05 53	13 00-0089	SF	2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating..... <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Powder Coating, Add</i> <i>For Set In Place Without Bolting, Deduct</i>	105.76 35.73 0.16 15.54 -4.06	1.10
	05 53	13 00-0090	SF	2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating..... <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Powder Coating, Add</i> <i>For Set In Place Without Bolting, Deduct</i>	117.62 39.82 0.16 17.31 -4.35	1.10
<b>05 53 16 Plank Gratings (05 53)</b>						
	05 53	16 00-0001		<b>Grate-Lock Steel Plank Grating (05 53 16)</b> Note: Smooth or traction grip surface.		
	05 53	16 00-0002	SF	1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	16.39 1.89	0.85
	05 53	16 00-0003	SF	2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	17.50 2.06	1.05
	05 53	16 00-0004	SF	3" Height, 18 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	18.45 2.19	1.14
	05 53	16 00-0005	SF	4" Height, 18 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	20.15 2.39	1.24
	05 53	16 00-0006	SF	1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	19.97 2.28	0.94
	05 53	16 00-0007	SF	2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	21.24 2.47	1.14
	05 53	16 00-0008	SF	1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	24.51 2.78	1.10
	05 53	16 00-0009	SF	2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	26.10 3.01	1.35
	05 53	16 00-0010	SF	3" Height, 14 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	27.91 3.30	1.69
	05 53	16 00-0011	SF	4" Height, 14 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	30.82 3.65	1.89
<b>05 54 Metal Floor Plates (05 50)</b>						
	05 54	00 00-0001		<b>Steel Floor Plates (05 54)</b>		
	05 54	00 00-0002	SF	16 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	18.59	1.30
	05 54	00 00-0003	SF	14 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	21.31	1.30
	05 54	00 00-0004	SF	12 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	26.78	1.30
	05 54	00 00-0005	SF	1/8" Steel Raised Or Diamond Pattern Floor Plates.....	35.87	1.39
	05 54	00 00-0006	SF	1/4" Steel Raised Or Diamond Pattern Floor Plates.....	45.68	1.49
	05 54	00 00-0007		<b>Aluminum Alloy Floor Plates (05 54)</b>		
	05 54	00 00-0008	SF	0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	27.90 3.86	1.10
	05 54	00 00-0009	SF	0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	32.02 4.43	1.30
	05 54	00 00-0010	SF	0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	36.15 5.00	1.39
	05 54	00 00-0011		<b>Type 304 Stainless Steel Floor Plates (05 54)</b>		
	05 54	00 00-0012	SF	1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	28.48	1.49
	05 54	00 00-0013	SF	3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	34.03	1.69
	05 54	00 00-0014	SF	1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate.....	44.00	1.99
<b>05 55 Metal Stair Treads and Nosings (05 50)</b>						
	05 55	13		<b>Metal Stair Treads (05 55)</b>		
	05 55	13 00-0001		<b>Abrasive Cast Aluminum Stair Treads (05 55 13)</b> Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
	05 55	13 00-0002	LF	8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	66.56 14.24	5.99
	05 55	13 00-0003	LF	9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	73.40 15.95	5.99

**05 Metals****05 50 Metal Fabrications****05 55 Metal Stair Treads and Nosings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0004	LF		10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	80.22	5.99
			<i>For 3/8" Thick, Add</i>	17.66	
05 55 13 00-0005	LF		11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	87.07	5.99
			<i>For 3/8" Thick, Add</i>	19.37	
05 55 13 00-0006	LF		12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	93.87	5.99
			<i>For 3/8" Thick, Add</i>	21.07	
<b>05 55 13 00-0007</b>			<b>Abrasive Cast Iron Stair Treads</b> <small>(05 55 13)</small>		
			Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
05 55 13 00-0008	LF		8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	93.07	5.99
05 55 13 00-0009	LF		9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	103.20	5.99
05 55 13 00-0010	LF		10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	113.34	5.99
05 55 13 00-0011	LF		11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	123.47	5.99
05 55 13 00-0012	LF		12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	133.62	5.99
<b>05 55 13 00-0013</b>			<b>Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads</b> <small>(05 55 13)</small>		
			Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0014	LF		6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	34.60	5.99
05 55 13 00-0015	LF		9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	40.79	5.99
05 55 13 00-0016	LF		11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	43.52	5.99
<b>05 55 13 00-0017</b>			<b>Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads</b> <small>(05 55 13)</small>		
			Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0018	LF		8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	51.69	5.99
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.30	
			<i>For Two Color Tread, Add</i>	3.22	
05 55 13 00-0019	LF		9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	52.20	5.99
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.30	
			<i>For Two Color Tread, Add</i>	3.22	
05 55 13 00-0020	LF		11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	63.34	5.99
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.30	
			<i>For Two Color Tread, Add</i>	3.22	
05 55 13 00-0021	LF		12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	73.10	5.99
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.30	
			<i>For Two Color Tread, Add</i>	3.22	
05 55 13 00-0022	LF		15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	85.83	5.99
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.30	
			<i>For Two Color Tread, Add</i>	3.22	
<b>05 55 13 00-0023</b>			<b>Stair Landing Treads</b> <small>(05 55 13)</small>		
<b>05 55 13 00-0024</b>			<b>Abrasive Cast Aluminum Stair Landing Treads</b> <small>(05 55 13 00-0023)</small>		
			Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025	SF		5/16" Thick, Abrasive Cast Aluminum Landing Treads.....	93.87	5.99
			<i>For 3/8" Thick, Add</i>	21.07	
<b>05 55 13 00-0026</b>			<b>Abrasive Cast Iron Stair Landing Treads</b> <small>(05 55 13 00-0023)</small>		
			Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027	SF		3/8" Thick, Abrasive Cast Iron Landing Treads.....	133.62	5.99
<b>05 55 13 00-0028</b>			<b>Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads</b> <small>(05 55 13 00-0023)</small>		
			Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029	SF		9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads.....	86.94	5.99
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.30	
<b>05 55 13 00-0030</b>			<b>Open Cast Iron Stair Tread</b> <small>(05 55 13)</small>		
			Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031	RSR		3'-6" Wide, Open Cast Iron Stair Tread.....	651.27	39.82
			<i>For Closed Riser, Add</i>	55.81	
05 55 13 00-0032	RSR		4'-0" Wide, Open Cast Iron Stair Tread.....	730.11	45.79
			<i>For Closed Riser, Add</i>	62.42	
05 55 13 00-0033	RSR		5'-0" Wide, Open Cast Iron Stair Tread.....	804.07	53.75
			<i>For Closed Riser, Add</i>	68.66	
<b>05 55 16</b>			<b>Metal Stair Nosings</b> <small>(05 55)</small>		
<b>05 55 16 00-0001</b>			<b>Abrasive Cast Aluminum Nosings</b> <small>(05 55 16)</small>		
			Note: Includes abrasive diamond pattern surface and anchors.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 16 00-0002 LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	27.82	4.09
For 3/8" Thick, Add	5.32	
05 55 16 00-0003 LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	34.42	4.09
For 3/8" Thick, Add	6.97	
05 55 16 00-0004 LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	49.12	4.09
For 3/8" Thick, Add	10.65	
<b>05 55 16 00-0005 Abrasive Cast Iron Nosings</b> <small>(05 55 16)</small>		
Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006 LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	32.64	4.09
For 3/8" Thick, Add	6.53	
05 55 16 00-0007 LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	40.76	4.09
For 3/8" Thick, Add	8.56	
05 55 16 00-0008 LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	56.82	4.09
For 3/8" Thick, Add	12.57	
<b>05 55 16 00-0009 Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings</b> <small>(05 55 16)</small>		
Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010 LF 1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....	23.35	4.09
05 55 16 00-0011 LF 3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	26.53	4.09
05 55 16 00-0012 LF 4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	28.96	4.09
05 55 16 00-0013 LF 6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	36.50	4.09
05 55 16 00-0014 LF 1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....	24.21	4.09
05 55 16 00-0015 LF 3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....	26.92	4.09
05 55 16 00-0016 LF 4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....	29.60	4.09
05 55 16 00-0017 LF 3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....	27.97	4.09
<b>05 56 Metal Castings</b> <small>(05 50)</small>		
<b>05 56 00 00-0001 Castings</b> <small>(05 56)</small>		
05 56 00 00-0002 LB Up To 150 LB, Miscellaneous Castings, Light Section .....	5.12	0.50
05 56 00 00-0003 LB >150 LB, Miscellaneous Castings, Heavy Section.....	8.80	0.39
<b>05 58 Formed Metal Fabrications</b> <small>(05 50)</small>		
<b>05 58 16 Formed Metal Enclosures</b> <small>(05 58)</small>		
<b>05 58 16 00-0001 Drip Pan</b> <small>(05 58 16)</small>		
05 58 16 00-0002 SF Stainless Steel Drip Pan .....	107.29	7.18
05 58 16 00-0003 SF Galvanized Steel Drip Pan.....	106.00	7.18
05 58 16 00-0004 SF Aluminum Drip Pan.....	74.56	5.74
05 58 16 00-0005 SF Plastic Drip Pan.....	20.14	5.03
<b>05 58 23 Formed Metal Guards</b> <small>(05 58)</small>		
<b>05 58 23 00-0001 Protective Guard Rails</b> <small>(05 58 23)</small>		
Note: Includes painted finish.		
<b>05 58 23 00-0002 2-Rib, 11 Gauge Steel, Protective Guard Rails</b> <small>(05 58 23 00-0001)</small>		
Note: Steel King Armor Guard.		
<b>05 58 23 00-0003 Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails</b> <small>(05 58 23 00-0002)</small>		
Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004 EA 1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	192.04	19.62
05 58 23 00-0005 EA 2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	226.22	19.62
05 58 23 00-0006 EA 3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	258.46	19.62
05 58 23 00-0007 EA 4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	292.64	19.62
05 58 23 00-0008 EA 5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	325.07	19.62
05 58 23 00-0009 EA 6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	367.10	19.62
05 58 23 00-0010 EA 7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	395.74	19.62
05 58 23 00-0011 EA 8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	440.08	19.62
05 58 23 00-0012 EA 9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	469.18	19.62
05 58 23 00-0013 EA 10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	489.96	19.62
<b>05 58 23 00-0014 Posts For 2-Rib Guard Rails</b> <small>(05 58 23 00-0002)</small>		
Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015 EA 12" Height, Single Rail Post For 2-Rib Guard Rails.....	384.73	40.87
05 58 23 00-0016 EA 42" Height, Triple Rail Post For 2-Rib Guard Rails.....	503.44	40.87
<b>05 58 23 00-0017 3-Rib, 11 Gauge Steel, Protective Guard Rails</b> <small>(05 58 23 00-0001)</small>		
Note: Steel King Steel Guard.		
<b>05 58 23 00-0018 Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails</b> <small>(05 58 23 00-0017)</small>		
Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019 EA 1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	212.64	19.62

**05 Metals****05 50 Metal Fabrications****05 58 Formed Metal Fabrications**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 58 23 00-0020	EA	2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	235.37		19.62
05 58 23 00-0021	EA	3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	263.73		19.62
05 58 23 00-0022	EA	4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	290.24		19.62
05 58 23 00-0023	EA	5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	320.91		19.62
05 58 23 00-0024	EA	6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	335.69		19.62
05 58 23 00-0025	EA	7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	371.26		19.62
05 58 23 00-0026	EA	8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	401.28		19.62
05 58 23 00-0027	EA	9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	433.15		19.62
05 58 23 00-0028	EA	10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	465.48		19.62
<b>05 58 23 00-0029</b>		<b>Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails</b> <small>(05 58 23 00-0017)</small>			
		Note: Excludes posts. Includes fasteners and lift-out mounting plate.			
05 58 23 00-0030	EA	1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	314.90		19.62
05 58 23 00-0031	EA	2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	339.85		19.62
05 58 23 00-0032	EA	3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	365.71		19.62
05 58 23 00-0033	EA	4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	395.74		19.62
05 58 23 00-0034	EA	5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	425.76		19.62
05 58 23 00-0035	EA	6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	450.24		19.62
05 58 23 00-0036	EA	7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	478.41		19.62
05 58 23 00-0037	EA	8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	510.28		19.62
05 58 23 00-0038	EA	9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	544.46		19.62
05 58 23 00-0039	EA	10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	574.49		19.62
<b>05 58 23 00-0040</b>		<b>Posts For 3-Rib Guard Rails</b> <small>(05 58 23 00-0017)</small>			
		Note: Includes drilling, surface mounting plate and anchors.			
05 58 23 00-0041	EA	18" Height, Single Rail Post For 3-Rib Guard Rails .....	337.43		40.87
05 58 23 00-0042	EA	42" Height, Double Rail Post For 3-Rib Guard Rails.....	433.69		40.87
<b>05 58 23 00-0043</b>		<b>All-Welded, Protective Guards</b> <small>(05 58 23)</small>			
		Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.			
<b>05 58 23 00-0044</b>		<b>All-Welded, Protective Guards</b> <small>(05 58 23 00-0043)</small>			
05 58 23 00-0045	EA	36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	440.15		54.48
05 58 23 00-0046	EA	48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	463.24		54.48
05 58 23 00-0047	EA	36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	476.63		54.48
05 58 23 00-0048	EA	48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	496.50		54.48
05 58 23 00-0049	EA	36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	491.88		54.48
05 58 23 00-0050	EA	48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	516.36		54.48
05 58 23 00-0051	EA	36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	523.29		54.48
05 58 23 00-0052	EA	48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	531.14		54.48
05 58 23 00-0053	EA	48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	568.55		54.48
<b>05 58 23 00-0054</b>		<b>Corner Style, All-Welded, Protective Guards</b> <small>(05 58 23 00-0043)</small>			
05 58 23 00-0055	EA	24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	583.33		54.48
05 58 23 00-0056	EA	30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	611.04		54.48
05 58 23 00-0057	EA	24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	622.59		54.48
05 58 23 00-0058	EA	30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	679.40		54.48
<b>05 58 23 00-0059</b>		<b>Warehouse Safety Bollards</b> <small>(05 58 23)</small>			
		Note: Includes painted finish, drilling, surface mounting plate and anchors.			
05 58 23 00-0060	EA	24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	270.07		40.87
05 58 23 00-0061	EA	36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	315.71		40.87
05 58 23 00-0062	EA	42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	364.02		40.87
05 58 23 00-0063	EA	36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	377.23		40.87
05 58 23 00-0064	EA	42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	407.72		40.87
<b>05 59 Metal Specialties</b> <small>(05 50)</small>					
<b>05 59 65 Metal Chain</b> <small>(05 59)</small>					
<b>05 59 65 00-0001</b>		<b>Alloy Steel Chain, Self Colored, Cut Length</b> <small>(05 59 65)</small>			
		Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.			
05 59 65 00-0002	LF	3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	5.94		0.96
		For Plastic Dipped, Add	0.60		
05 59 65 00-0003	LF	1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	7.03		1.27
		For Plastic Dipped, Add	0.67		
05 59 65 00-0004	LF	3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	11.13		2.54
		For Plastic Dipped, Add	0.91		
05 59 65 00-0005	LF	1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	17.88		4.29
		For Plastic Dipped, Add	1.40		
05 59 65 00-0006	LF	5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	30.19		7.25
		For Plastic Dipped, Add	2.36		
05 59 65 00-0007	LF	3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	42.36		10.17
		For Plastic Dipped, Add	3.30		



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 65 00-0008 LF 7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	57.72	12.71
<i>For Plastic Dipped, Add</i>	4.85	
05 59 65 00-0009 LF 1" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	83.41	16.94
<i>For Plastic Dipped, Add</i>	7.43	
05 59 65 00-0010 LF 1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored .....	135.59	25.42
<i>For Plastic Dipped, Add</i>	12.71	
<b>05 59 69 Metal Panels</b> <small>(05 59)</small>		
05 59 69 00-0001 Woven And Welded Wire Cloth <small>(05 59 69)</small>		
<small>Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.</small>		
05 59 69 00-0002 Plain Steel Woven And Welded Wire Cloth Panels <small>(05 59 69 00-0001)</small>		
05 59 69 00-0003 2" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0004 SF 0.12" Thick Wire, 2" Spacing, 0.44 LB/SF Woven And Welded Wire Cloth Panels .....	9.32	2.71
<i>For Up To 2, Add</i>	2.59	
<i>For &gt;2 To 6, Add</i>	1.48	
<i>For &gt;15 To 40, Deduct</i>	-0.29	
<i>For &gt;40, Deduct</i>	-0.86	
<i>For Galvanized, Add</i>	2.51	
<i>For Aluminum, Add</i>	3.42	
<i>For 304 Stainless Steel, Add</i>	13.68	
<i>For 316 Stainless Steel, Add</i>	15.68	
05 59 69 00-0005 SF 0.135" Thick Wire, 2" Spacing, 0.55 LB/SF Woven And Welded Wire Cloth Panels .....	10.03	2.82
<i>For Up To 2, Add</i>	2.76	
<i>For &gt;2 To 6, Add</i>	1.57	
<i>For &gt;15 To 40, Deduct</i>	-0.31	
<i>For &gt;40, Deduct</i>	-0.94	
<i>For Galvanized, Add</i>	2.75	
<i>For Aluminum, Add</i>	3.76	
<i>For 304 Stainless Steel, Add</i>	15.02	
<i>For 316 Stainless Steel, Add</i>	17.22	
05 59 69 00-0006 SF 0.148" Thick Wire, 2" Spacing, 0.65 LB/SF Woven And Welded Wire Cloth Panels .....	10.66	3.14
<i>For Up To 2, Add</i>	2.97	
<i>For &gt;2 To 6, Add</i>	1.69	
<i>For &gt;15 To 40, Deduct</i>	-0.32	
<i>For &gt;40, Deduct</i>	-0.97	
<i>For Galvanized, Add</i>	2.85	
<i>For Aluminum, Add</i>	3.89	
<i>For 304 Stainless Steel, Add</i>	15.55	
<i>For 316 Stainless Steel, Add</i>	17.82	
05 59 69 00-0007 SF 0.162" Thick Wire, 2" Spacing, 0.78 LB/SF Woven And Welded Wire Cloth Panels .....	11.24	3.27
<i>For Up To 2, Add</i>	3.12	
<i>For &gt;2 To 6, Add</i>	1.78	
<i>For &gt;15 To 40, Deduct</i>	-0.34	
<i>For &gt;40, Deduct</i>	-1.03	
<i>For Galvanized, Add</i>	3.03	
<i>For Aluminum, Add</i>	4.13	
<i>For 304 Stainless Steel, Add</i>	16.54	
<i>For 316 Stainless Steel, Add</i>	18.95	
05 59 69 00-0008 SF 0.177" Thick Wire, 2" Spacing, 0.92 LB/SF Woven And Welded Wire Cloth Panels .....	12.28	3.66
<i>For Up To 2, Add</i>	3.43	
<i>For &gt;2 To 6, Add</i>	1.96	
<i>For &gt;15 To 40, Deduct</i>	-0.37	
<i>For &gt;40, Deduct</i>	-1.11	
<i>For Galvanized, Add</i>	3.26	
<i>For Aluminum, Add</i>	4.44	
<i>For 304 Stainless Steel, Add</i>	17.76	
<i>For 316 Stainless Steel, Add</i>	20.35	
05 59 69 00-0009 SF 0.192" Thick Wire, 2" Spacing, 1.08 LB/SF Woven And Welded Wire Cloth Panels .....	14.12	4.07
<i>For Up To 2, Add</i>	3.91	
<i>For &gt;2 To 6, Add</i>	2.23	
<i>For &gt;15 To 40, Deduct</i>	-0.43	
<i>For &gt;40, Deduct</i>	-1.30	
<i>For Galvanized, Add</i>	3.82	
<i>For Aluminum, Add</i>	5.21	
<i>For 304 Stainless Steel, Add</i>	20.83	
<i>For 316 Stainless Steel, Add</i>	23.87	
05 59 69 00-0010 SF 0.207" Thick Wire, 2" Spacing, 1.25 LB/SF Woven And Welded Wire Cloth Panels .....	16.03	4.49
<i>For Up To 2, Add</i>	4.40	
<i>For &gt;2 To 6, Add</i>	2.50	
<i>For &gt;15 To 40, Deduct</i>	-0.50	
<i>For &gt;40, Deduct</i>	-1.51	
<i>For Galvanized, Add</i>	4.42	
<i>For Aluminum, Add</i>	6.03	
<i>For 304 Stainless Steel, Add</i>	24.12	
<i>For 316 Stainless Steel, Add</i>	27.64	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0011	SF		0.225" Thick Wire, 2" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels.....	18.38	4.98
			For Up To 2, Add	5.00	
			For >2 To 6, Add	2.83	
			For >15 To 40, Deduct	-0.59	
			For >40, Deduct	-1.76	
			For Galvanized, Add	5.17	
			For Aluminum, Add	7.04	
			For 304 Stainless Steel, Add	28.18	
			For 316 Stainless Steel, Add	32.29	
<b>05 59 69 00-0012</b>			<b>1-3/4" Square Wire Spacing</b> (05 59 69 00-0002)		
05 59 69 00-0013	SF		0.12" Thick Wire, 1-3/4" Spacing, 0.49 LB/SF Woven And Welded Wire Cloth Panels .....	9.77	2.87
			For Up To 2, Add	2.72	
			For >2 To 6, Add	1.55	
			For >15 To 40, Deduct	-0.30	
			For >40, Deduct	-0.89	
			For Galvanized, Add	2.61	
			For Aluminum, Add	3.56	
			For 304 Stainless Steel, Add	14.26	
			For 316 Stainless Steel, Add	16.34	
05 59 69 00-0014	SF		0.135" Thick Wire, 1-3/4" Spacing, 0.62 LB/SF Woven And Welded Wire Cloth Panels .....	10.76	3.03
			For Up To 2, Add	2.96	
			For >2 To 6, Add	1.68	
			For >15 To 40, Deduct	-0.34	
			For >40, Deduct	-1.01	
			For Galvanized, Add	2.96	
			For Aluminum, Add	4.03	
			For 304 Stainless Steel, Add	16.13	
			For 316 Stainless Steel, Add	18.48	
05 59 69 00-0015	SF		0.148" Thick Wire, 1-3/4" Spacing, 0.74 LB/SF Woven And Welded Wire Cloth Panels .....	11.56	3.40
			For Up To 2, Add	3.22	
			For >2 To 6, Add	1.84	
			For >15 To 40, Deduct	-0.35	
			For >40, Deduct	-1.05	
			For Galvanized, Add	3.09	
			For Aluminum, Add	4.21	
			For 304 Stainless Steel, Add	16.85	
			For 316 Stainless Steel, Add	19.31	
05 59 69 00-0016	SF		0.162" Thick Wire, 1-3/4" Spacing, 0.88 LB/SF Woven And Welded Wire Cloth Panels .....	12.08	3.51
			For Up To 2, Add	3.35	
			For >2 To 6, Add	1.91	
			For >15 To 40, Deduct	-0.37	
			For >40, Deduct	-1.11	
			For Galvanized, Add	3.26	
			For Aluminum, Add	4.44	
			For 304 Stainless Steel, Add	17.76	
			For 316 Stainless Steel, Add	20.35	
05 59 69 00-0017	SF		0.177" Thick Wire, 1-3/4" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels .....	13.20	3.93
			For Up To 2, Add	3.69	
			For >2 To 6, Add	2.11	
			For >15 To 40, Deduct	-0.40	
			For >40, Deduct	-1.19	
			For Galvanized, Add	3.50	
			For Aluminum, Add	4.78	
			For 304 Stainless Steel, Add	19.10	
			For 316 Stainless Steel, Add	21.89	
05 59 69 00-0018	SF		0.192" Thick Wire, 1-3/4" Spacing, 1.22 LB/SF Woven And Welded Wire Cloth Panels .....	15.20	4.40
			For Up To 2, Add	4.21	
			For >2 To 6, Add	2.40	
			For >15 To 40, Deduct	-0.47	
			For >40, Deduct	-1.40	
			For Galvanized, Add	4.11	
			For Aluminum, Add	5.60	
			For 304 Stainless Steel, Add	22.42	
			For 316 Stainless Steel, Add	25.69	
05 59 69 00-0019	SF		0.207" Thick Wire, 1-3/4" Spacing, 1.41 LB/SF Woven And Welded Wire Cloth Panels .....	17.23	4.82
			For Up To 2, Add	4.73	
			For >2 To 6, Add	2.69	
			For >15 To 40, Deduct	-0.54	
			For >40, Deduct	-1.62	
			For Galvanized, Add	4.75	
			For Aluminum, Add	6.48	
			For 304 Stainless Steel, Add	25.92	
			For 316 Stainless Steel, Add	29.70	
05 59 69 00-0020	SF		0.225" Thick Wire, 1-3/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels .....	19.78	5.36
			For Up To 2, Add	5.39	
			For >2 To 6, Add	3.05	
			For >15 To 40, Deduct	-0.63	
			For >40, Deduct	-1.89	
			For Galvanized, Add	5.56	
			For Aluminum, Add	7.58	
			For 304 Stainless Steel, Add	30.31	
			For 316 Stainless Steel, Add	34.73	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>05 59 69 00-0021</b> <b>1-1/2" Square Wire Spacing</b> <small>(05 59 69 00-0002)</small>		
05 59 69 00-0022    SF   0.12" Thick Wire, 1-1/2" Spacing, 0.57 LB/SF Woven And Welded Wire Cloth Panels .....	10.83	3.20
For Up To 2, Add	3.02	
For >2 To 6, Add	1.72	
For >15 To 40, Deduct	-0.33	
For >40, Deduct	-0.99	
For Galvanized, Add	2.90	
For Aluminum, Add	3.95	
For 304 Stainless Steel, Add	15.79	
For 316 Stainless Steel, Add	18.10	
05 59 69 00-0023    SF   0.135" Thick Wire, 1-1/2" Spacing, 0.72 LB/SF Woven And Welded Wire Cloth Panels .....	11.92	3.36
For Up To 2, Add	3.28	
For >2 To 6, Add	1.86	
For >15 To 40, Deduct	-0.37	
For >40, Deduct	-1.12	
For Galvanized, Add	3.27	
For Aluminum, Add	4.46	
For 304 Stainless Steel, Add	17.86	
For 316 Stainless Steel, Add	20.46	
05 59 69 00-0024    SF   0.148" Thick Wire, 1-1/2" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels .....	12.64	3.72
For Up To 2, Add	3.52	
For >2 To 6, Add	2.01	
For >15 To 40, Deduct	-0.38	
For >40, Deduct	-1.15	
For Galvanized, Add	3.38	
For Aluminum, Add	4.61	
For 304 Stainless Steel, Add	18.43	
For 316 Stainless Steel, Add	21.12	
05 59 69 00-0025    SF   0.162" Thick Wire, 1-1/2" Spacing, 1.02 LB/SF Woven And Welded Wire Cloth Panels .....	13.33	3.87
For Up To 2, Add	3.70	
For >2 To 6, Add	2.11	
For >15 To 40, Deduct	-0.41	
For >40, Deduct	-1.23	
For Galvanized, Add	3.59	
For Aluminum, Add	4.90	
For 304 Stainless Steel, Add	19.61	
For 316 Stainless Steel, Add	22.47	
05 59 69 00-0026    SF   0.177" Thick Wire, 1-1/2" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels .....	14.53	4.33
For Up To 2, Add	4.06	
For >2 To 6, Add	2.32	
For >15 To 40, Deduct	-0.44	
For >40, Deduct	-1.31	
For Galvanized, Add	3.85	
For Aluminum, Add	5.25	
For 304 Stainless Steel, Add	21.00	
For 316 Stainless Steel, Add	24.06	
05 59 69 00-0027    SF   0.192" Thick Wire, 1-1/2" Spacing, 1.4 LB/SF Woven And Welded Wire Cloth Panels .....	16.60	4.80
For Up To 2, Add	4.60	
For >2 To 6, Add	2.62	
For >15 To 40, Deduct	-0.51	
For >40, Deduct	-1.53	
For Galvanized, Add	4.49	
For Aluminum, Add	6.13	
For 304 Stainless Steel, Add	24.50	
For 316 Stainless Steel, Add	28.08	
05 59 69 00-0028    SF   0.207" Thick Wire, 1-1/2" Spacing, 1.62 LB/SF Woven And Welded Wire Cloth Panels .....	18.84	5.28
For Up To 2, Add	5.17	
For >2 To 6, Add	2.94	
For >15 To 40, Deduct	-0.59	
For >40, Deduct	-1.77	
For Galvanized, Add	5.20	
For Aluminum, Add	7.09	
For 304 Stainless Steel, Add	28.34	
For 316 Stainless Steel, Add	32.48	
05 59 69 00-0029    SF   0.225" Thick Wire, 1-1/2" Spacing, 1.89 LB/SF Woven And Welded Wire Cloth Panels .....	21.57	5.85
For Up To 2, Add	5.87	
For >2 To 6, Add	3.33	
For >15 To 40, Deduct	-0.69	
For >40, Deduct	-2.07	
For Galvanized, Add	6.06	
For Aluminum, Add	8.27	
For 304 Stainless Steel, Add	33.07	
For 316 Stainless Steel, Add	37.90	
<b>05 59 69 00-0030</b> <b>1-1/4" Square Wire Spacing</b> <small>(05 59 69 00-0002)</small>		
05 59 69 00-0031    SF   0.105" Thick Wire, 1-1/4" Spacing, 0.52 LB/SF Woven And Welded Wire Cloth Panels .....	11.05	3.45
For Up To 2, Add	3.13	
For >2 To 6, Add	1.80	
For >15 To 40, Deduct	-0.32	
For >40, Deduct	-0.97	
For Galvanized, Add	2.83	
For Aluminum, Add	3.86	
For 304 Stainless Steel, Add	15.46	
For 316 Stainless Steel, Add	17.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0032 SF 0.12" Thick Wire, 1-1/4" Spacing, 0.68 LB/SF Woven And Welded Wire Cloth Panels .....	11.96	3.62
For Up To 2, Add	3.36	
For >2 To 6, Add	1.92	
For >15 To 40, Deduct	-0.36	
For >40, Deduct	-1.07	
For Galvanized, Add	3.14	
For Aluminum, Add	4.28	
For 304 Stainless Steel, Add	17.11	
For 316 Stainless Steel, Add	19.61	
05 59 69 00-0033 SF 0.135" Thick Wire, 1-1/4" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels .....	13.01	3.77
For Up To 2, Add	3.61	
For >2 To 6, Add	2.06	
For >15 To 40, Deduct	-0.40	
For >40, Deduct	-1.20	
For Galvanized, Add	3.51	
For Aluminum, Add	4.79	
For 304 Stainless Steel, Add	19.15	
For 316 Stainless Steel, Add	21.95	
05 59 69 00-0034 SF 0.148" Thick Wire, 1-1/4" Spacing, 1.01 LB/SF Woven And Welded Wire Cloth Panels .....	13.42	3.84
For Up To 2, Add	3.71	
For >2 To 6, Add	2.11	
For >15 To 40, Deduct	-0.42	
For >40, Deduct	-1.25	
For Galvanized, Add	3.65	
For Aluminum, Add	4.98	
For 304 Stainless Steel, Add	19.92	
For 316 Stainless Steel, Add	22.83	
05 59 69 00-0035 SF 0.162" Thick Wire, 1-1/4" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels .....	14.53	4.34
For Up To 2, Add	4.06	
For >2 To 6, Add	2.32	
For >15 To 40, Deduct	-0.44	
For >40, Deduct	-1.31	
For Galvanized, Add	3.85	
For Aluminum, Add	5.24	
For 304 Stainless Steel, Add	20.98	
For 316 Stainless Steel, Add	24.04	
05 59 69 00-0036 SF 0.177" Thick Wire, 1-1/4" Spacing, 1.42 LB/SF Woven And Welded Wire Cloth Panels .....	16.37	4.88
For Up To 2, Add	4.58	
For >2 To 6, Add	2.61	
For >15 To 40, Deduct	-0.49	
For >40, Deduct	-1.48	
For Galvanized, Add	4.34	
For Aluminum, Add	5.92	
For 304 Stainless Steel, Add	23.66	
For 316 Stainless Steel, Add	27.12	
05 59 69 00-0037 SF 0.192" Thick Wire, 1-1/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels .....	18.64	5.39
For Up To 2, Add	5.16	
For >2 To 6, Add	2.94	
For >15 To 40, Deduct	-0.57	
For >40, Deduct	-1.72	
For Galvanized, Add	5.04	
For Aluminum, Add	6.88	
For 304 Stainless Steel, Add	27.50	
For 316 Stainless Steel, Add	31.52	
05 59 69 00-0038 SF 0.207" Thick Wire, 1-1/4" Spacing, 1.9 LB/SF Woven And Welded Wire Cloth Panels .....	21.05	5.89
For Up To 2, Add	5.78	
For >2 To 6, Add	3.28	
For >15 To 40, Deduct	-0.66	
For >40, Deduct	-1.98	
For Galvanized, Add	5.81	
For Aluminum, Add	7.92	
For 304 Stainless Steel, Add	31.68	
For 316 Stainless Steel, Add	36.30	
05 59 69 00-0039 SF 0.225" Thick Wire, 1-1/4" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels .....	24.13	6.54
For Up To 2, Add	6.57	
For >2 To 6, Add	3.72	
For >15 To 40, Deduct	-0.77	
For >40, Deduct	-2.31	
For Galvanized, Add	6.78	
For Aluminum, Add	9.25	
For 304 Stainless Steel, Add	37.01	
For 316 Stainless Steel, Add	42.41	
<b>05 59 69 00-0040 1" Square Wire Spacing</b> <small>(05 59 69 00-0002)</small>		
05 59 69 00-0041 SF 0.105" Thick Wire, 1" Spacing, 0.64 LB/SF Woven And Welded Wire Cloth Panels .....	12.60	4.04
For Up To 2, Add	3.60	
For >2 To 6, Add	2.07	
For >15 To 40, Deduct	-0.36	
For >40, Deduct	-1.08	
For Galvanized, Add	3.17	
For Aluminum, Add	4.33	
For 304 Stainless Steel, Add	17.30	
For 316 Stainless Steel, Add	19.83	





<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0042	SF		0.12" Thick Wire, 1" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels .....	13.53	4.21
			For Up To 2, Add	3.83	
			For >2 To 6, Add	2.19	
			For >15 To 40, Deduct	-0.40	
			For >40, Deduct	-1.19	
			For Galvanized, Add	3.48	
			For Aluminum, Add	4.75	
			For 304 Stainless Steel, Add	19.01	
			For 316 Stainless Steel, Add	21.78	
05 59 69 00-0043	SF		0.135" Thick Wire, 1" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels .....	14.09	4.40
			For Up To 2, Add	3.99	
			For >2 To 6, Add	2.29	
			For >15 To 40, Deduct	-0.41	
			For >40, Deduct	-1.23	
			For Galvanized, Add	3.62	
			For Aluminum, Add	4.93	
			For 304 Stainless Steel, Add	19.73	
			For 316 Stainless Steel, Add	22.61	
05 59 69 00-0044	SF		0.148" Thick Wire, 1" Spacing, 1.23 LB/SF Woven And Welded Wire Cloth Panels .....	15.14	4.46
			For Up To 2, Add	4.22	
			For >2 To 6, Add	2.41	
			For >15 To 40, Deduct	-0.46	
			For >40, Deduct	-1.38	
			For Galvanized, Add	4.04	
			For Aluminum, Add	5.51	
			For 304 Stainless Steel, Add	22.06	
			For 316 Stainless Steel, Add	25.27	
05 59 69 00-0045	SF		0.162" Thick Wire, 1" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels .....	16.82	5.02
			For Up To 2, Add	4.70	
			For >2 To 6, Add	2.69	
			For >15 To 40, Deduct	-0.51	
			For >40, Deduct	-1.52	
			For Galvanized, Add	4.45	
			For Aluminum, Add	6.07	
			For 304 Stainless Steel, Add	24.29	
			For 316 Stainless Steel, Add	27.83	
05 59 69 00-0046	SF		0.177" Thick Wire, 1" Spacing, 1.72 LB/SF Woven And Welded Wire Cloth Panels .....	18.88	5.63
			For Up To 2, Add	5.28	
			For >2 To 6, Add	3.01	
			For >15 To 40, Deduct	-0.57	
			For >40, Deduct	-1.71	
			For Galvanized, Add	5.01	
			For Aluminum, Add	6.83	
			For 304 Stainless Steel, Add	27.31	
			For 316 Stainless Steel, Add	31.30	
05 59 69 00-0047	SF		0.192" Thick Wire, 1" Spacing, 2.01 LB/SF Woven And Welded Wire Cloth Panels .....	21.62	6.24
			For Up To 2, Add	5.99	
			For >2 To 6, Add	3.41	
			For >15 To 40, Deduct	-0.66	
			For >40, Deduct	-1.99	
			For Galvanized, Add	5.85	
			For Aluminum, Add	7.97	
			For 304 Stainless Steel, Add	31.90	
			For 316 Stainless Steel, Add	36.55	
05 59 69 00-0048	SF		0.207" Thick Wire, 1" Spacing, 2.31 LB/SF Woven And Welded Wire Cloth Panels .....	24.37	6.82
			For Up To 2, Add	6.69	
			For >2 To 6, Add	3.80	
			For >15 To 40, Deduct	-0.76	
			For >40, Deduct	-2.29	
			For Galvanized, Add	6.72	
			For Aluminum, Add	9.17	
			For 304 Stainless Steel, Add	36.67	
			For 316 Stainless Steel, Add	42.02	
05 59 69 00-0049	SF		0.225" Thick Wire, 1" Spacing, 2.69 LB/SF Woven And Welded Wire Cloth Panels .....	27.85	7.54
			For Up To 2, Add	7.58	
			For >2 To 6, Add	4.29	
			For >15 To 40, Deduct	-0.89	
			For >40, Deduct	-2.67	
			For Galvanized, Add	7.83	
			For Aluminum, Add	10.67	
			For 304 Stainless Steel, Add	42.70	
			For 316 Stainless Steel, Add	48.92	
<b>05 59 69 00-0050</b>			<b>3/4" Square Wire Spacing (05 59 69 00-0002)</b>		
05 59 69 00-0051	SF		0.105" Thick Wire, 3/4" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels .....	12.77	4.03
			For Up To 2, Add	3.63	
			For >2 To 6, Add	2.08	
			For >15 To 40, Deduct	-0.37	
			For >40, Deduct	-1.11	
			For Galvanized, Add	3.25	
			For Aluminum, Add	4.43	
			For 304 Stainless Steel, Add	17.74	
			For 316 Stainless Steel, Add	20.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0052	SF		0.12" Thick Wire, 3/4" Spacing, 1.07 LB/SF Woven And Welded Wire Cloth Panels.....	14.25	4.53
			For Up To 2, Add	4.06	
			For >2 To 6, Add	2.33	
			For >15 To 40, Deduct	-0.41	
			For >40, Deduct	-1.23	
			For Galvanized, Add	3.62	
			For Aluminum, Add	4.93	
			For 304 Stainless Steel, Add	19.73	
			For 316 Stainless Steel, Add	22.61	
05 59 69 00-0053	SF		0.135" Thick Wire, 3/4" Spacing, 1.33 LB/SF Woven And Welded Wire Cloth Panels.....	15.75	5.11
			For Up To 2, Add	4.51	
			For >2 To 6, Add	2.60	
			For >15 To 40, Deduct	-0.45	
			For >40, Deduct	-1.34	
			For Galvanized, Add	3.93	
			For Aluminum, Add	5.36	
			For 304 Stainless Steel, Add	21.46	
			For 316 Stainless Steel, Add	24.59	
05 59 69 00-0054	SF		0.148" Thick Wire, 3/4" Spacing, 1.58 LB/SF Woven And Welded Wire Cloth Panels.....	17.05	5.45
			For Up To 2, Add	4.86	
			For >2 To 6, Add	2.80	
			For >15 To 40, Deduct	-0.49	
			For >40, Deduct	-1.47	
			For Galvanized, Add	4.30	
			For Aluminum, Add	5.87	
			For 304 Stainless Steel, Add	23.47	
			For 316 Stainless Steel, Add	26.90	
05 59 69 00-0055	SF		0.162" Thick Wire, 3/4" Spacing, 1.87 LB/SF Woven And Welded Wire Cloth Panels.....	19.75	6.13
			For Up To 2, Add	5.59	
			For >2 To 6, Add	3.20	
			For >15 To 40, Deduct	-0.58	
			For >40, Deduct	-1.74	
			For Galvanized, Add	5.09	
			For Aluminum, Add	6.94	
			For 304 Stainless Steel, Add	27.77	
			For 316 Stainless Steel, Add	31.82	
05 59 69 00-0056	SF		0.177" Thick Wire, 3/4" Spacing, 2.2 LB/SF Woven And Welded Wire Cloth Panels.....	22.75	6.86
			For Up To 2, Add	6.38	
			For >2 To 6, Add	3.65	
			For >15 To 40, Deduct	-0.68	
			For >40, Deduct	-2.04	
			For Galvanized, Add	5.99	
			For Aluminum, Add	8.17	
			For 304 Stainless Steel, Add	32.66	
			For 316 Stainless Steel, Add	37.43	
05 59 69 00-0057	SF		0.192" Thick Wire, 3/4" Spacing, 2.56 LB/SF Woven And Welded Wire Cloth Panels.....	25.95	7.57
			For Up To 2, Add	7.21	
			For >2 To 6, Add	4.11	
			For >15 To 40, Deduct	-0.79	
			For >40, Deduct	-2.38	
			For Galvanized, Add	6.97	
			For Aluminum, Add	9.50	
			For 304 Stainless Steel, Add	38.02	
			For 316 Stainless Steel, Add	43.56	
05 59 69 00-0058	SF		0.207" Thick Wire, 3/4" Spacing, 2.93 LB/SF Woven And Welded Wire Cloth Panels.....	29.11	8.24
			For Up To 2, Add	8.02	
			For >2 To 6, Add	4.56	
			For >15 To 40, Deduct	-0.91	
			For >40, Deduct	-2.72	
			For Galvanized, Add	7.98	
			For Aluminum, Add	10.88	
			For 304 Stainless Steel, Add	43.51	
			For 316 Stainless Steel, Add	49.86	
05 59 69 00-0059	SF		0.225" Thick Wire, 3/4" Spacing, 3.41 LB/SF Woven And Welded Wire Cloth Panels.....	33.24	9.11
			For Up To 2, Add	9.08	
			For >2 To 6, Add	5.15	
			For >15 To 40, Deduct	-1.06	
			For >40, Deduct	-3.17	
			For Galvanized, Add	9.28	
			For Aluminum, Add	12.66	
			For 304 Stainless Steel, Add	50.64	
			For 316 Stainless Steel, Add	58.03	
05 59 69 00-0060			<b>1/2" Square Wire Spacing</b> <small>(05 59 69 00-0002)</small>		
05 59 69 00-0061	SF		0.105" Thick Wire, 1/2" Spacing, 1.18 LB/SF Woven And Welded Wire Cloth Panels.....	13.31	4.32
			For Up To 2, Add	3.81	
			For >2 To 6, Add	2.20	
			For >15 To 40, Deduct	-0.38	
			For >40, Deduct	-1.13	
			For Galvanized, Add	3.32	
			For Aluminum, Add	4.53	
			For 304 Stainless Steel, Add	18.12	
			For 316 Stainless Steel, Add	20.76	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0062 SF 0.12" Thick Wire, 1/2" Spacing, 1.51 LB/SF Woven And Welded Wire Cloth Panels .....	15.55	5.24
For Up To 2, Add	4.51	
For >2 To 6, Add	2.61	
For >15 To 40, Deduct	-0.43	
For >40, Deduct	-1.28	
For Galvanized, Add	3.76	
For Aluminum, Add	5.12	
For 304 Stainless Steel, Add	20.50	
For 316 Stainless Steel, Add	23.49	
05 59 69 00-0063 SF 0.135" Thick Wire, 1/2" Spacing, 1.88 LB/SF Woven And Welded Wire Cloth Panels .....	18.81	6.21
For Up To 2, Add	5.42	
For >2 To 6, Add	3.12	
For >15 To 40, Deduct	-0.53	
For >40, Deduct	-1.58	
For Galvanized, Add	4.63	
For Aluminum, Add	6.32	
For 304 Stainless Steel, Add	25.27	
For 316 Stainless Steel, Add	28.96	
05 59 69 00-0064 SF 0.148" Thick Wire, 1/2" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels .....	21.72	6.97
For Up To 2, Add	6.20	
For >2 To 6, Add	3.57	
For >15 To 40, Deduct	-0.62	
For >40, Deduct	-1.86	
For Galvanized, Add	5.47	
For Aluminum, Add	7.46	
For 304 Stainless Steel, Add	29.83	
For 316 Stainless Steel, Add	34.18	
05 59 69 00-0065 SF 0.162" Thick Wire, 1/2" Spacing, 2.61 LB/SF Woven And Welded Wire Cloth Panels .....	24.99	7.78
For Up To 2, Add	7.07	
For >2 To 6, Add	4.05	
For >15 To 40, Deduct	-0.73	
For >40, Deduct	-2.19	
For Galvanized, Add	6.43	
For Aluminum, Add	8.77	
For 304 Stainless Steel, Add	35.09	
For 316 Stainless Steel, Add	40.21	
05 59 69 00-0066 SF 0.177" Thick Wire, 1/2" Spacing, 3.06 LB/SF Woven And Welded Wire Cloth Panels .....	28.70	8.66
For Up To 2, Add	8.05	
For >2 To 6, Add	4.60	
For >15 To 40, Deduct	-0.86	
For >40, Deduct	-2.57	
For Galvanized, Add	7.54	
For Aluminum, Add	10.28	
For 304 Stainless Steel, Add	41.14	
For 316 Stainless Steel, Add	47.14	
05 59 69 00-0067 SF 0.192" Thick Wire, 1/2" Spacing, 3.54 LB/SF Woven And Welded Wire Cloth Panels .....	32.53	9.53
For Up To 2, Add	9.05	
For >2 To 6, Add	5.16	
For >15 To 40, Deduct	-0.99	
For >40, Deduct	-2.97	
For Galvanized, Add	8.73	
For Aluminum, Add	11.90	
For 304 Stainless Steel, Add	47.59	
For 316 Stainless Steel, Add	54.53	
05 59 69 00-0068 SF 0.207" Thick Wire, 1/2" Spacing, 4.04 LB/SF Woven And Welded Wire Cloth Panels .....	36.40	10.33
For Up To 2, Add	10.03	
For >2 To 6, Add	5.71	
For >15 To 40, Deduct	-1.13	
For >40, Deduct	-3.39	
For Galvanized, Add	9.96	
For Aluminum, Add	13.58	
For 304 Stainless Steel, Add	54.31	
For 316 Stainless Steel, Add	62.23	
05 59 69 00-0069 SF 0.225" Thick Wire, 1/2" Spacing, 4.68 LB/SF Woven And Welded Wire Cloth Panels .....	37.78	11.37
For Up To 2, Add	10.59	
For >2 To 6, Add	6.05	
For >15 To 40, Deduct	-1.13	
For >40, Deduct	-3.39	
For Galvanized, Add	9.96	
For Aluminum, Add	13.58	
For 304 Stainless Steel, Add	54.31	
For 316 Stainless Steel, Add	62.23	
<b>05 59 69 00-0070 Expanded Metal Panels <small>(05 59 69)</small></b>		
Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
<b>05 59 69 00-0071 Plain Flattened Expanded Metal Diamond Shape Panels <small>(05 59 69 00-0070)</small></b>		
Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
05 59 69 00-0072 SF 1/4" #20-F Plain Expanded Metal Panel, 0.82 LB/SF .....	10.72	3.72
For Galvanized, Add	2.53	
For Aluminum, Add	3.46	
For 304 Stainless Steel, Add	13.82	
For 316 Stainless Steel, Add	15.84	

<b>05</b>	<b>Metals</b>
<b>05 50</b>	<b>Metal Fabrications</b>
<b>05 59</b>	<b>Metal Specialties</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0073 SF 1/4" #18-F Plain Expanded Metal Panel, 1.08 LB/SF .....	13.58	4.07
For Galvanized, Add	3.58	
For Aluminum, Add	4.88	
For 304 Stainless Steel, Add	19.54	
For 316 Stainless Steel, Add	22.39	
05 59 69 00-0074 SF 1/2" #20-F Plain Expanded Metal Panel, 0.40 LB/SF .....	7.69	2.87
For Galvanized, Add	1.70	
For Aluminum, Add	2.32	
For 304 Stainless Steel, Add	9.26	
For 316 Stainless Steel, Add	10.62	
05 59 69 00-0075 SF 1/2" #18-F Plain Expanded Metal Panel, 0.66 LB/SF .....	8.41	3.14
For Galvanized, Add	1.86	
For Aluminum, Add	2.54	
For 304 Stainless Steel, Add	10.15	
For 316 Stainless Steel, Add	11.63	
05 59 69 00-0076 SF 1/2" #16-F Plain Expanded Metal Panel, 0.82 LB/SF .....	9.48	3.72
For Galvanized, Add	1.99	
For Aluminum, Add	2.71	
For 304 Stainless Steel, Add	10.85	
For 316 Stainless Steel, Add	12.43	
05 59 69 00-0077 SF 1/2" #13-F Plain Expanded Metal Panel, 1.4 LB/SF .....	12.13	4.80
For Galvanized, Add	2.53	
For Aluminum, Add	3.44	
For 304 Stainless Steel, Add	13.78	
For 316 Stainless Steel, Add	15.79	
05 59 69 00-0078 SF 3/4" #16-F Plain Expanded Metal Panel, 0.51 LB/SF .....	6.66	2.82
For Galvanized, Add	1.27	
For Aluminum, Add	1.73	
For 304 Stainless Steel, Add	6.94	
For 316 Stainless Steel, Add	7.95	
05 59 69 00-0079 SF 3/4" #14-F Plain Expanded Metal Panel, 0.63 LB/SF .....	7.48	3.03
For Galvanized, Add	1.51	
For Aluminum, Add	2.06	
For 304 Stainless Steel, Add	8.26	
For 316 Stainless Steel, Add	9.46	
05 59 69 00-0080 SF 3/4" #13-F Plain Expanded Metal Panel, 0.75 LB/SF .....	8.56	3.40
For Galvanized, Add	1.77	
For Aluminum, Add	2.41	
For 304 Stainless Steel, Add	9.65	
For 316 Stainless Steel, Add	11.06	
05 59 69 00-0081 SF 3/4" #9-F Plain Expanded Metal Panel, 1.50 LB/SF .....	13.44	5.63
For Galvanized, Add	2.61	
For Aluminum, Add	3.56	
For 304 Stainless Steel, Add	14.26	
For 316 Stainless Steel, Add	16.34	
05 59 69 00-0082 SF 1" #16-F Plain Expanded Metal Panel, 0.41 LB/SF .....	7.40	3.45
For Galvanized, Add	1.23	
For Aluminum, Add	1.67	
For 304 Stainless Steel, Add	6.70	
For 316 Stainless Steel, Add	7.67	
05 59 69 00-0083 SF 1-1/2" #16-F Plain Expanded Metal Panel, 0.38 LB/SF .....	6.43	2.71
For Galvanized, Add	1.24	
For Aluminum, Add	1.69	
For 304 Stainless Steel, Add	6.74	
For 316 Stainless Steel, Add	7.73	
05 59 69 00-0084 SF 1-1/2" #13-F Plain Expanded Metal Panel, 0.57 LB/SF .....	7.41	3.20
For Galvanized, Add	1.39	
For Aluminum, Add	1.90	
For 304 Stainless Steel, Add	7.58	
For 316 Stainless Steel, Add	8.69	
05 59 69 00-0085 SF 1-1/2" #9-F Plain Expanded Metal Panel, 1.14 LB/SF .....	11.59	4.32
For Galvanized, Add	2.57	
For Aluminum, Add	3.50	
For 304 Stainless Steel, Add	13.99	
For 316 Stainless Steel, Add	16.03	

## 05 70 Decorative Metal <sup>(05)</sup>

Note: Includes anchors and related accessories.

### 05 71 Decorative Metal Stairs <sup>(05 70)</sup>

#### 05 71 13 Fabricated Metal Spiral Stairs <sup>(05 71)</sup>

Note: Includes factory prime.

##### 05 71 13 00-0001 Spiral Stairs, Stock Units <sup>(05 71 13)</sup>

Note: Includes factory prime.

##### 05 71 13 00-0002 Steel Tread <sup>(05 71 13 00-0001)</sup>

05 71 13 00-0003 VLF 3'-6" Diameter, Spiral Steel Stair With Rails.....	423.85	49.77
For Galvanized, Add	227.02	
05 71 13 00-0004 VLF 4' Diameter, Spiral Steel Stair With Rails.....	482.83	54.75
For Galvanized, Add	261.34	
05 71 13 00-0005 VLF 4'-6" Diameter, Spiral Steel Stair With Rails.....	534.27	59.73
For Galvanized, Add	290.37	



<b>Metals</b>	<b>05</b>	<b>05</b>
Decorative Metal	05 70	
Decorative Metal Stairs	05 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 71 13 00-0006 VLF 5" Diameter, Spiral Steel Stair With Rails..... <i>For Galvanized, Add</i>	572.50 310.17	64.71
 <b>05 73 Decorative Metal Railings (05 70)</b>		
Note: Factory primed. Includes brackets.		
<b>05 73 23 Decorative Metal Railings (05 73)</b>		
<b>05 73 23 00-0001 Railings; Vertical Square Bars At 6" (05 73 23)</b>		
Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).		
05 73 23 00-0002 LF Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	67.59	10.95
<i>For Rake Or Angle Railings, Add</i>		
<i>For Curved Railings, Add</i>		
<i>For 4" On Center Standards, Add</i>		
<i>For 4-1/2" On Center Standards, Add</i>		
<i>For 5" On Center Standards, Add</i>		
<i>For 5-1/2" On Center Standards, Add</i>		
<i>For Each Field Bending Of Rails, Add</i>		
<i>For Galvanized, Add</i>		
05 73 23 00-0003 LF Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	128.87	14.93
<i>For Rake Or Angle Railings, Add</i>		
<i>For Curved Railings, Add</i>		
<i>For 4" On Center Standards, Add</i>		
<i>For 4-1/2" On Center Standards, Add</i>		
<i>For 5" On Center Standards, Add</i>		
<i>For 5-1/2" On Center Standards, Add</i>		
<i>For Each Field Bending Of Rails, Add</i>		
05 73 23 00-0004 LF Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	233.49	24.89
<i>For Rake Or Angle Railings, Add</i>		
<i>For Curved Railings, Add</i>		
<i>For 4" On Center Standards, Add</i>		
<i>For 4-1/2" On Center Standards, Add</i>		
<i>For 5" On Center Standards, Add</i>		
<i>For 5-1/2" On Center Standards, Add</i>		
<i>For Each Field Bending Of Rails, Add</i>		
05 73 23 00-0005 LF Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	228.10	19.91
<i>For Rake Or Angle Railings, Add</i>		
<i>For Curved Railings, Add</i>		
<i>For 4" On Center Standards, Add</i>		
<i>For 4-1/2" On Center Standards, Add</i>		
<i>For 5" On Center Standards, Add</i>		
<i>For 5-1/2" On Center Standards, Add</i>		
<i>For Each Field Bending Of Rails, Add</i>		
05 73 23 00-0006 LF Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	206.48	30.36
<i>For Rake Or Angle Railings, Add</i>		
<i>For Curved Railings, Add</i>		
<i>For 4" On Center Standards, Add</i>		
<i>For 4-1/2" On Center Standards, Add</i>		
<i>For 5" On Center Standards, Add</i>		
<i>For 5-1/2" On Center Standards, Add</i>		
<i>For Each Field Bending Of Rails, Add</i>		
 <b>05 73 23 00-0007 Laminated Metal Or Wood Handrails With Metal Supports (05 73 23)</b>		
05 73 23 00-0008 LF 2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports.....	159.93	4.98
<i>For Rake Or Angle Railings, Add</i>		
<i>For Curved Railings, Add</i>		
<i>For 4" On Center Standards, Add</i>		
<i>For 4-1/2" On Center Standards, Add</i>		
<i>For 5" On Center Standards, Add</i>		
<i>For 5-1/2" On Center Standards, Add</i>		
<i>For Each Field Bending Of Rails, Add</i>		
 <b>05 73 23 00-0009 Plain Handrails (05 73 23)</b>		
05 73 23 00-0010 LF 2" Brass Handrail.....	51.62	10.61
05 73 23 00-0011 EA 90 Degree Angle For 2" Brass Handrail.....	108.64	39.04
05 73 23 00-0012 EA End Cap For 2" Brass Handrail.....	49.12	19.57
05 73 23 00-0013 EA Brass Bracket And Joint For 2" Brass Handrail.....	82.02	39.04
05 73 23 00-0014 LF 2" Stainless Steel Handrail.....	56.68	13.26
 <b>05 73 23 00-0015 Restoration Of Existing Metal Handrail And Railing (05 73 23)</b>		
Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0365 for painting.		
05 73 23 00-0016 LF Refinish Metal Handrail.....	9.32	
05 73 23 00-0017 LF Refinish Wrought Iron Balustrade.....	9.28	
 <b>05 73 23 00-0018 Remove And Reinstall Ornamental Railing (05 73 23)</b>		
05 73 23 00-0019 LF Removal And Reinstallation Of Ornamental Handrail And Pickets.....	91.58	

**05 Metals****05 70 Decorative Metal**

05 75 Decorative Formed Metal

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST05 75 Decorative Formed Metal (05 70)05 75 00 00-0001 Metal Sheets, Installed On Walls (05 75)

Note: Includes field fabrication (bending) where noted.

05 75 00 00-0002 Copper Sheets, Installed On Walls (05 75 00 00-0001)

Note: Includes field fabrication.

05 75 00 00-0003	SF 0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls .....	29.60	2.13
	For >16 To 200, Deduct	-1.64	
	For >200 To 500, Deduct	-3.28	
	For >500, Deduct	-4.76	
05 75 00 00-0004	SF 0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls .....	37.18	2.38
	For >16 To 200, Deduct	-2.04	
	For >200 To 500, Deduct	-4.07	
	For >500, Deduct	-5.93	
05 75 00 00-0005	SF 0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls .....	40.73	2.56
	For >16 To 200, Deduct	-2.23	
	For >200 To 500, Deduct	-4.46	
	For >500, Deduct	-6.49	
05 75 00 00-0006	SF 0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls .....	44.04	2.69
	For >16 To 200, Deduct	-2.40	
	For >200 To 500, Deduct	-4.81	
	For >500, Deduct	-7.01	
05 75 00 00-0007	SF 0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls .....	50.42	2.81
	For >16 To 200, Deduct	-2.73	
	For >200 To 500, Deduct	-5.47	
	For >500, Deduct	-7.99	
05 75 00 00-0008	SF 0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls .....	64.37	2.95
	For >16 To 200, Deduct	-3.44	
	For >200 To 500, Deduct	-6.88	
	For >500, Deduct	-10.10	
05 75 00 00-0009	SF 0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls .....	75.73	3.08
	For >16 To 200, Deduct	-4.02	
	For >200 To 500, Deduct	-8.03	
	For >500, Deduct	-11.82	
05 75 00 00-0010	SF 0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls .....	92.00	3.33
	For >16 To 200, Deduct	-4.85	
	For >200 To 500, Deduct	-9.70	
	For >500, Deduct	-14.30	
05 75 00 00-0011	SF 0.08" Thick Copper Sheet, Installed On Walls .....	113.41	3.59
	For >16 To 200, Deduct	-5.94	
	For >200 To 500, Deduct	-11.88	
	For >500, Deduct	-17.55	
05 75 00 00-0012	SF 0.125" Thick Copper Sheet, Installed On Walls .....	167.65	3.85
	For >16 To 200, Deduct	-8.67	
	For >200 To 500, Deduct	-17.34	
	For >500, Deduct	-25.72	

05 75 00 00-0013 Stainless Steel Sheets, Installed On Walls (05 75 00 00-0001)

Note: Includes field fabrication.

05 75 00 00-0014	SF 0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls .....	14.58	2.20
	For >16 To 200, Deduct	-0.89	
	For >200 To 500, Deduct	-1.79	
	For >500, Deduct	-2.52	
05 75 00 00-0015	SF 0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls .....	16.53	2.37
	For >16 To 200, Deduct	-1.00	
	For >200 To 500, Deduct	-2.01	
	For >500, Deduct	-2.84	
05 75 00 00-0016	SF 0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls .....	18.02	2.49
	For >16 To 200, Deduct	-1.09	
	For >200 To 500, Deduct	-2.18	
	For >500, Deduct	-3.08	
05 75 00 00-0017	SF 0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls .....	21.23	2.60
	For >16 To 200, Deduct	-1.26	
	For >200 To 500, Deduct	-2.51	
	For >500, Deduct	-3.58	
05 75 00 00-0018	SF 0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls .....	24.34	2.72
	For >16 To 200, Deduct	-1.42	
	For >200 To 500, Deduct	-2.84	
	For >500, Deduct	-4.06	
05 75 00 00-0019	SF 0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls .....	28.27	2.84
	For >16 To 200, Deduct	-1.63	
	For >200 To 500, Deduct	-3.25	
	For >500, Deduct	-4.67	
05 75 00 00-0020	SF 0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls .....	40.96	3.32
	For >16 To 200, Deduct	-2.30	
	For >200 To 500, Deduct	-4.59	
	For >500, Deduct	-6.64	
05 75 00 00-0021	SF 3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls .....	55.74	3.52
	For >16 To 200, Deduct	-3.05	
	For >200 To 500, Deduct	-6.10	
	For >500, Deduct	-8.89	



<b>Metals</b>	<b>05</b>	<b>05</b>
Decorative Metal	05 70	
Decorative Formed Metal	05 75	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0022 SF 1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	76.52	4.27
For >16 To 200, Deduct	-4.15	
For >200 To 500, Deduct	-8.29	
For >500, Deduct	-12.12	
05 75 00 00-0023 SF 3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls.....	128.85	4.58
For >16 To 200, Deduct	-6.79	
For >200 To 500, Deduct	-13.57	
For >500, Deduct	-20.01	
05 75 00 00-0024 SF 1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls.....	165.06	5.33
For >16 To 200, Deduct	-8.65	
For >200 To 500, Deduct	-17.31	
For >500, Deduct	-25.56	
<b>05 75 00 00-0025 Aluminum Sheets, Installed On Walls (05 75 00 00-0001)</b>		
Note: Includes field fabrication.		
05 75 00 00-0026 SF 0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls.....	9.38	2.13
For >16 To 200, Deduct	-0.63	
For >200 To 500, Deduct	-1.26	
For >500, Deduct	-1.73	
05 75 00 00-0027 SF 0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls.....	10.62	2.38
For >16 To 200, Deduct	-0.71	
For >200 To 500, Deduct	-1.42	
For >500, Deduct	-1.95	
05 75 00 00-0028 SF 0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls.....	11.80	2.56
For >16 To 200, Deduct	-0.78	
For >200 To 500, Deduct	-1.56	
For >500, Deduct	-2.15	
05 75 00 00-0029 SF 0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls.....	12.99	2.69
For >16 To 200, Deduct	-0.85	
For >200 To 500, Deduct	-1.70	
For >500, Deduct	-2.35	
05 75 00 00-0030 SF 0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls.....	14.18	2.81
For >16 To 200, Deduct	-0.92	
For >200 To 500, Deduct	-1.84	
For >500, Deduct	-2.55	
05 75 00 00-0031 SF 0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls.....	15.48	2.95
For >16 To 200, Deduct	-1.00	
For >200 To 500, Deduct	-1.99	
For >500, Deduct	-2.76	
05 75 00 00-0032 SF 0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls.....	17.05	3.08
For >16 To 200, Deduct	-1.08	
For >200 To 500, Deduct	-2.17	
For >500, Deduct	-3.02	
05 75 00 00-0033 SF 0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls.....	20.25	3.59
For >16 To 200, Deduct	-1.28	
For >200 To 500, Deduct	-2.56	
For >500, Deduct	-3.58	
<b>05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls (05 75 00 00-0001)</b>		
Note: Includes field fabrication.		
05 75 00 00-0035 SF 0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	9.58	2.13
For >16 To 200, Deduct	-0.64	
For >200 To 500, Deduct	-1.28	
For >500, Deduct	-1.76	
05 75 00 00-0036 SF 0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	10.61	2.38
For >16 To 200, Deduct	-0.71	
For >200 To 500, Deduct	-1.42	
For >500, Deduct	-1.95	
05 75 00 00-0037 SF 0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	11.26	2.56
For >16 To 200, Deduct	-0.76	
For >200 To 500, Deduct	-1.51	
For >500, Deduct	-2.07	
05 75 00 00-0038 SF 0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	11.97	2.69
For >16 To 200, Deduct	-0.80	
For >200 To 500, Deduct	-1.60	
For >500, Deduct	-2.20	
05 75 00 00-0039 SF 0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	12.93	2.81
For >16 To 200, Deduct	-0.86	
For >200 To 500, Deduct	-1.72	
For >500, Deduct	-2.36	
05 75 00 00-0040 SF 0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	13.97	2.95
For >16 To 200, Deduct	-0.92	
For >200 To 500, Deduct	-1.84	
For >500, Deduct	-2.54	
05 75 00 00-0041 SF 0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	15.66	3.08
For >16 To 200, Deduct	-1.01	
For >200 To 500, Deduct	-2.03	
For >500, Deduct	-2.81	
05 75 00 00-0042 SF 0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	18.06	3.33
For >16 To 200, Deduct	-1.15	
For >200 To 500, Deduct	-2.31	
For >500, Deduct	-3.21	

<b>05</b>	<b>Metals</b>
<b>05 70</b>	<b>Decorative Metal</b>
<b>05 75</b>	<b>Decorative Formed Metal</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0043 SF 0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	20.81	3.85
For >16 To 200, Deduct	-1.33	
For >200 To 500, Deduct	-2.66	
For >500, Deduct	-3.70	
<b>05 75 00 00-0044 Galvanized Zinc-Plated Steel Sheets, Installed On Walls</b> <small>(05 75 00 00-0001)</small>		
Note: Includes field fabrication.		
05 75 00 00-0045 SF 0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	11.62	2.02
For >16 To 200, Deduct	-0.78	
For >200 To 500, Deduct	-1.57	
For >500, Deduct	-2.15	
05 75 00 00-0046 SF 0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	13.42	2.29
For >16 To 200, Deduct	-0.90	
For >200 To 500, Deduct	-1.80	
For >500, Deduct	-2.47	
05 75 00 00-0047 SF 0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	15.20	2.54
For >16 To 200, Deduct	-1.01	
For >200 To 500, Deduct	-2.03	
For >500, Deduct	-2.79	
05 75 00 00-0048 SF 0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	16.76	2.75
For >16 To 200, Deduct	-1.11	
For >200 To 500, Deduct	-2.23	
For >500, Deduct	-3.06	

**END OF SECTION 05**





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 06 Wood, Plastics, and Composites

### 06 01 Maintenance of Wood, Plastics, and Composites <sup>(06)</sup>

#### 06 01 20 Maintenance of Finish Carpentry <sup>(06 01)</sup>

##### **06 01 20 91 Finish Carpentry Restoration** <sup>(06 01 20)</sup>

##### 06 01 20 91-0001 Wood Trim Repair <sup>(06 01 20 91)</sup>

06 01 20 91-0002	SF	Restoration Of Existing Decorative Woodwork.....	8.31
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Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.

#### 06 01 40 Maintenance of Architectural Woodwork <sup>(06 01)</sup>

##### **06 01 40 91 Architectural Woodwork Restoration** <sup>(06 01 40)</sup>

##### 06 01 40 91-0001 Cabinet Hardware Replacement <sup>(06 01 40 91)</sup>

06 01 40 91-0002	EA	Removal And Replacement Of Concealed, Full Or Half Overlay, Self Closing, Steel Cabinet Hinges .....	43.28
06 01 40 91-0003	EA	Removal And Replacement Of Semi Concealed, Brass Cabinet Hinges.....	38.19

### 06 05 Common Work Results for Wood, Plastics, and Composites <sup>(06)</sup>

#### 06 05 23 Wood, Plastic, and Composite Fastenings <sup>(06 05)</sup>

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

##### 06 05 23 00-0001 Threaded Anchor Bolts <sup>(06 05 23)</sup>

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA	1/2" Diameter x 4" Long, Threaded Anchor Bolt .....	12.34
		For >10 To 50, Deduct	-0.39
		For >50 To 100, Deduct	-0.89
		For >100 To 250, Deduct	-1.78
		For >250 To 500, Deduct	-3.07
		For >500, Deduct	-4.35
06 05 23 00-0003	EA	1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt .....	16.33
		For >10 To 50, Deduct	-0.42
		For >50 To 100, Deduct	-1.04
		For >100 To 250, Deduct	-2.07
		For >250 To 500, Deduct	-3.53
		For >500, Deduct	-4.99
06 05 23 00-0004	EA	3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt .....	17.90
		For >10 To 50, Deduct	-0.42
		For >50 To 100, Deduct	-1.08
		For >100 To 250, Deduct	-2.15
		For >250 To 500, Deduct	-3.65
		For >500, Deduct	-5.14
06 05 23 00-0005	EA	3/4" Diameter x 12" Long, Threaded Anchor Bolt .....	35.18
		For >10 To 50, Deduct	-0.57
		For >50 To 100, Deduct	-1.74
		For >100 To 250, Deduct	-3.48
		For >250 To 500, Deduct	-5.79
		For >500, Deduct	-8.11

##### 06 05 23 00-0006 Framing Anchors <sup>(06 05 23)</sup>

Note: Including nails.

06 05 23 00-0007	EA	1-7/16" x 2-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A34) .....	6.89	3.27
		For >10 To 50, Deduct	-0.31	
		For >50 To 100, Deduct	-0.64	
		For >100 To 250, Deduct	-1.28	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-3.18	
06 05 23 00-0008	EA	1-7/16" x 4-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A35) .....	7.70	3.59
		For >10 To 50, Deduct	-0.35	
		For >50 To 100, Deduct	-0.72	
		For >100 To 250, Deduct	-1.44	
		For >250 To 500, Deduct	-2.50	
		For >500, Deduct	-3.57	

##### 06 05 23 00-0009 Angle Anchors <sup>(06 05 23)</sup>

Note: Including nails.

06 05 23 00-0010	EA	2" x 1-1/2" x 1-3/8" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A21) .....	6.98	3.27
		For >10 To 50, Deduct	-0.31	
		For >50 To 100, Deduct	-0.64	
		For >100 To 250, Deduct	-1.28	
		For >250 To 500, Deduct	-2.23	
		For >500, Deduct	-3.19	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0011	EA		2" x 1-1/2" x 2-3/4" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A23) .....	7.65	3.48
			<i>For &gt;10 To 50, Deduct</i>	-0.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.69	
			<i>For &gt;100 To 250, Deduct</i>	-1.38	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-3.42	
06 05 23 00-0012	EA		3-7/8" x 2" x 2-1/2" Wide, 12 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A24) .....	13.13	3.59
			<i>For &gt;10 To 50, Deduct</i>	-0.35	
			<i>For &gt;50 To 100, Deduct</i>	-0.85	
			<i>For &gt;100 To 250, Deduct</i>	-1.71	
			<i>For &gt;250 To 500, Deduct</i>	-2.91	
			<i>For &gt;500, Deduct</i>	-4.11	
06 05 23 00-0013	EA		3" x 3" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A33) .....	11.83	3.59
			<i>For &gt;10 To 50, Deduct</i>	-0.35	
			<i>For &gt;50 To 100, Deduct</i>	-0.82	
			<i>For &gt;100 To 250, Deduct</i>	-1.64	
			<i>For &gt;250 To 500, Deduct</i>	-2.81	
			<i>For &gt;500, Deduct</i>	-3.98	
06 05 23 00-0014	EA		4-9/16" x 4-9/16" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A44) .....	12.93	4.03
			<i>For &gt;10 To 50, Deduct</i>	-0.39	
			<i>For &gt;50 To 100, Deduct</i>	-0.90	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-3.09	
			<i>For &gt;500, Deduct</i>	-4.38	
06 05 23 00-0015	EA		5-7/8" x 5-7/8" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A66) .....	14.66	4.25
			<i>For &gt;10 To 50, Deduct</i>	-0.41	
			<i>For &gt;50 To 100, Deduct</i>	-0.99	
			<i>For &gt;100 To 250, Deduct</i>	-1.98	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.78	
06 05 23 00-0016			<b>Reinforcing Angle Wood Construction Connectors</b> <small>(06 05 23)</small>		
			Note: Including nails.		
06 05 23 00-0017	EA		3" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L30) .....	7.66	3.05
			<i>For &gt;10 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.66	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-2.29	
			<i>For &gt;500, Deduct</i>	-3.25	
06 05 23 00-0018	EA		5" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L50) .....	9.46	3.27
			<i>For &gt;10 To 50, Deduct</i>	-0.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.73	
			<i>For &gt;100 To 250, Deduct</i>	-1.46	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.59	
06 05 23 00-0019	EA		7" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L70) .....	10.75	3.37
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.56	
			<i>For &gt;250 To 500, Deduct</i>	-2.68	
			<i>For &gt;500, Deduct</i>	-3.80	
06 05 23 00-0020	EA		9" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L90) .....	11.93	3.48
			<i>For &gt;10 To 50, Deduct</i>	-0.36	
			<i>For &gt;50 To 100, Deduct</i>	-0.83	
			<i>For &gt;100 To 250, Deduct</i>	-1.67	
			<i>For &gt;250 To 500, Deduct</i>	-2.86	
			<i>For &gt;500, Deduct</i>	-4.05	
06 05 23 00-0021	EA		3-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS30) .....	8.36	3.05
			<i>For &gt;10 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.68	
			<i>For &gt;100 To 250, Deduct</i>	-1.35	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-3.32	
06 05 23 00-0022	EA		4-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS50) .....	9.22	3.27
			<i>For &gt;10 To 50, Deduct</i>	-0.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.73	
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-2.51	
			<i>For &gt;500, Deduct</i>	-3.56	
06 05 23 00-0023	EA		6-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS70) .....	10.69	3.37
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.56	
			<i>For &gt;250 To 500, Deduct</i>	-2.67	
			<i>For &gt;500, Deduct</i>	-3.79	
06 05 23 00-0024	EA		7-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS90) .....	12.67	3.48
			<i>For &gt;10 To 50, Deduct</i>	-0.36	
			<i>For &gt;50 To 100, Deduct</i>	-0.85	
			<i>For &gt;100 To 250, Deduct</i>	-1.71	
			<i>For &gt;250 To 500, Deduct</i>	-2.92	
			<i>For &gt;500, Deduct</i>	-4.13	



	MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0025		<b>Hold Down Anchors</b> <small>(06 05 23)</small>		
		Note: Including nails.		
06 05 23 00-0026	EA	8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD3B) .....	55.24	
		For >10 To 50, Deduct	-1.69	
		For >50 To 100, Deduct	-3.91	
		For >100 To 250, Deduct	-7.83	
		For >250 To 500, Deduct	-13.43	
		For >500, Deduct	-19.03	
06 05 23 00-0027	EA	9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD5B) .....	77.06	
		For >10 To 50, Deduct	-1.74	
		For >50 To 100, Deduct	-4.54	
		For >100 To 250, Deduct	-9.08	
		For >250 To 500, Deduct	-15.37	
		For >500, Deduct	-21.65	
06 05 23 00-0028	EA	12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD7B) .....	94.90	
		For >10 To 50, Deduct	-1.85	
		For >50 To 100, Deduct	-5.15	
		For >100 To 250, Deduct	-10.30	
		For >250 To 500, Deduct	-17.30	
		For >500, Deduct	-24.31	
06 05 23 00-0029	EA	14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD9B) .....	111.95	
		For >10 To 50, Deduct	-2.07	
		For >50 To 100, Deduct	-5.90	
		For >100 To 250, Deduct	-11.81	
		For >250 To 500, Deduct	-19.78	
		For >500, Deduct	-27.75	
06 05 23 00-0030	EA	20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD12).....	181.00	
		For >10 To 50, Deduct	-2.61	
		For >50 To 100, Deduct	-8.45	
		For >100 To 250, Deduct	-16.89	
		For >250 To 500, Deduct	-27.95	
		For >500, Deduct	-39.02	
06 05 23 00-0031	EA	24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD19).....	243.38	
		For >10 To 50, Deduct	-2.72	
		For >50 To 100, Deduct	-10.17	
		For >100 To 250, Deduct	-20.34	
		For >250 To 500, Deduct	-33.23	
		For >500, Deduct	-46.12	
06 05 23 00-0032		<b>Joist And Beam Hangers</b> <small>(06 05 23)</small>		
		Note: Including nails.		
06 05 23 00-0033	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 4" Joist Also Acceptable For Beam Hangers .....	7.32	3.05
		For >10 To 50, Deduct	-0.31	
		For >50 To 100, Deduct	-0.65	
		For >100 To 250, Deduct	-1.30	
		For >250 To 500, Deduct	-2.26	
		For >500, Deduct	-3.22	
06 05 23 00-0034	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 6"-2" x 10" Joist, Also Acceptable For Beam Hangers.....	8.16	3.27
		For >10 To 50, Deduct	-0.33	
		For >50 To 100, Deduct	-0.70	
		For >100 To 250, Deduct	-1.40	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-3.46	
06 05 23 00-0035	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 6"-3" x 9" Joist, Also Acceptable For Beam Hangers.....	11.38	3.37
		For >10 To 50, Deduct	-0.34	
		For >50 To 100, Deduct	-0.80	
		For >100 To 250, Deduct	-1.59	
		For >250 To 500, Deduct	-2.73	
		For >500, Deduct	-3.86	
06 05 23 00-0036	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 10"-3" x 14" Joist, Also Acceptable For Beam Hangers.....	12.38	3.48
		For >10 To 50, Deduct	-0.36	
		For >50 To 100, Deduct	-0.85	
		For >100 To 250, Deduct	-1.69	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-4.10	
06 05 23 00-0037	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 6"-4" x 8" Joist, Also Acceptable For Beam Hangers.....	18.85	3.70
		For >10 To 50, Deduct	-0.37	
		For >50 To 100, Deduct	-1.02	
		For >100 To 250, Deduct	-2.05	
		For >250 To 500, Deduct	-3.44	
		For >500, Deduct	-4.83	
06 05 23 00-0038	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 10"-4" x 14" Joist, Also Acceptable For Beam Hangers.....	22.43	3.82
		For >10 To 50, Deduct	-0.38	
		For >50 To 100, Deduct	-1.13	
		For >100 To 250, Deduct	-2.25	
		For >250 To 500, Deduct	-3.76	
		For >500, Deduct	-5.26	
06 05 23 00-0039		<b>Anchor And Ties</b> <small>(06 05 23)</small>		
		Note: Including nails.		
06 05 23 00-0040	EA	12-3/8" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT4).....	34.08	
		Note: Includes nails. Excludes anchor bolt.		

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0041	EA		16" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT5).....	42.22	
			Note: Includes nails. Excludes anchor bolt.		
06 05 23 00-0042	EA		16 Gauge, Zinc Galvanized Finish Mud sill Anchor (Simpson Strong Tie® MASAZ).....	4.55	
06 05 23 00-0043	EA		16 Gauge, Zinc Galvanized Finish Mud sill Anchor (Simpson Strong Tie® MASBZ).....	5.11	
<b>06 05 23 00-0044</b>			<b>Hurricane Ties</b> <small>(06 05 23)</small>		
06 05 23 00-0045	EA		6" x 1-3/8" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5A).....	8.04	3.37
			<i>For &gt;10 To 50, Deduct</i>	-0.38	
			<i>For &gt;50 To 100, Deduct</i>	-0.76	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-2.67	
			<i>For &gt;500, Deduct</i>	-3.81	
06 05 23 00-0046	EA		6" x 1-3/8" Wide, 18 Gauge, Zinc Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5AZ).....	2.90	
06 05 23 00-0047	EA		6" x 1-3/8" Wide, 18 Gauge, Stainless Steel Hurricane Ties (Simpson Strong Tie® H2.5ASS).....	7.79	
06 05 23 00-0048	EA		10-7/16" x 1-1/2" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2A) .....	9.85	3.37
			<i>For &gt;10 To 50, Deduct</i>	-0.38	
			<i>For &gt;50 To 100, Deduct</i>	-0.81	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.80	
			<i>For &gt;500, Deduct</i>	-3.99	
06 05 23 00-0049	EA		19-3/16" x 2-1/4" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H6).....	16.32	
<b>06 05 23 00-0050</b>			<b>Post Column Bases</b> <small>(06 05 23)</small>		
			Note: Including nails.		
06 05 23 00-0051	EA		Adjustable And Standoff 4" x 4" Post Base, With Bolts (Simpson Strong Tie® ABA44) .....	28.59	
06 05 23 00-0052	EA		Adjustable And Standoff 4" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA46) .....	45.07	
06 05 23 00-0053	EA		Adjustable And Standoff 6" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA66) .....	46.49	
<b>06 05 23 00-0054</b>			<b>Post Column Caps</b> <small>(06 05 23)</small>		
			Note: Including nails.		
06 05 23 00-0055	EA		4" Beam, 4" Post Flange, 18 Gauge, Post Cap (Simpson Strong Tie® BC4) .....	16.79	3.82
			<i>For &gt;10 To 50, Deduct</i>	-0.42	
			<i>For &gt;50 To 100, Deduct</i>	-1.05	
			<i>For &gt;100 To 250, Deduct</i>	-2.10	
			<i>For &gt;250 To 500, Deduct</i>	-3.56	
			<i>For &gt;500, Deduct</i>	-5.03	
06 05 23 00-0056	EA		6" Beam, 6" Post Flange, 18 Gauge, Post Cap (Simpson Strong Tie® BC6) .....	36.71	3.82
			<i>For &gt;10 To 50, Deduct</i>	-0.44	
			<i>For &gt;50 To 100, Deduct</i>	-1.58	
			<i>For &gt;100 To 250, Deduct</i>	-3.16	
			<i>For &gt;250 To 500, Deduct</i>	-5.19	
			<i>For &gt;500, Deduct</i>	-7.21	
06 05 23 00-0057	EA		4" Beam, 4" Post Column Cap, 7 Gauge, With Bolts (Simpson Strong Tie® CC44).....	114.66	
			Note: Excludes field welding		
			<i>For &gt;10 To 50, Deduct</i>	-1.09	
			<i>For &gt;50 To 100, Deduct</i>	-4.50	
			<i>For &gt;100 To 250, Deduct</i>	-9.00	
			<i>For &gt;250 To 500, Deduct</i>	-14.59	
			<i>For &gt;500, Deduct</i>	-20.18	
06 05 23 00-0058	EA		4" Beam, 6" Post Column Cap, 7 Gauge, With Bolts (Simpson Strong Tie® CC46).....	184.53	
			<i>For &gt;10 To 50, Deduct</i>	-1.36	
			<i>For &gt;50 To 100, Deduct</i>	-6.66	
			<i>For &gt;100 To 250, Deduct</i>	-13.31	
			<i>For &gt;250 To 500, Deduct</i>	-21.33	
			<i>For &gt;500, Deduct</i>	-29.35	
06 05 23 00-0059	EA		4" Beam, 8" Post Column Cap, 7 Gauge, With Bolts (Simpson Strong Tie® CC48).....	190.26	
			Note: Excludes field welding		
			<i>For &gt;10 To 50, Deduct</i>	-1.23	
			<i>For &gt;50 To 100, Deduct</i>	-6.59	
			<i>For &gt;100 To 250, Deduct</i>	-13.19	
			<i>For &gt;250 To 500, Deduct</i>	-21.01	
			<i>For &gt;500, Deduct</i>	-28.83	
06 05 23 00-0060	EA		6" Beam, 6" Post Column Cap, 7 Gauge, With Bolts (Simpson Strong Tie® CC66).....	199.89	
			<i>For &gt;10 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-7.16	
			<i>For &gt;100 To 250, Deduct</i>	-14.32	
			<i>For &gt;250 To 500, Deduct</i>	-22.93	
			<i>For &gt;500, Deduct</i>	-31.53	
06 05 23 00-0061	EA		5-1/8" Beam 6X Post Column Cap, 3 Gauge, With Bolts (Simpson Strong Tie® CC5 1/4-6) .....	231.40	
			<i>For &gt;10 To 50, Deduct</i>	-1.36	
			<i>For &gt;50 To 100, Deduct</i>	-7.83	
			<i>For &gt;100 To 250, Deduct</i>	-15.65	
			<i>For &gt;250 To 500, Deduct</i>	-24.84	
			<i>For &gt;500, Deduct</i>	-34.03	
<b>06 05 23 00-0062</b>			<b>Rafter Connectors</b> <small>(06 05 23)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0063 EA Galvanized Rigid Rafter Connector, For 2" x 6" (Simpson Strong Tie® RR) .....	9.57	3.37
<i>For &gt;10 To 50, Deduct</i>	-0.38	
<i>For &gt;50 To 100, Deduct</i>	-0.80	
<i>For &gt;100 To 250, Deduct</i>	-1.61	
<i>For &gt;250 To 500, Deduct</i>	-2.78	
<i>For &gt;500, Deduct</i>	-3.96	
<b>06 05 23 00-0064 Bolts And Fasteners</b> <small>(06 05 23)</small>		
<b>06 05 23 00-0065 Carriage Bolts</b> <small>(06 05 23 00-0064)</small>		
Note: Includes drilling of holes in any material. Includes nut and washer.		
<b>06 05 23 00-0066 Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts</b> <small>(06 05 23 00-0065)</small>		
06 05 23 00-0067 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	14.46	
<i>For &gt;10 To 50, Deduct</i>	-0.71	
<i>For &gt;50 To 100, Deduct</i>	-1.42	
<i>For &gt;100 To 250, Deduct</i>	-2.85	
<i>For &gt;250 To 500, Deduct</i>	-4.98	
<i>For &gt;500, Deduct</i>	-7.11	
06 05 23 00-0068 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	14.59	
<i>For &gt;10 To 50, Deduct</i>	-0.71	
<i>For &gt;50 To 100, Deduct</i>	-1.43	
<i>For &gt;100 To 250, Deduct</i>	-2.85	
<i>For &gt;250 To 500, Deduct</i>	-4.99	
<i>For &gt;500, Deduct</i>	-7.12	
06 05 23 00-0069 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	14.67	
<i>For &gt;10 To 50, Deduct</i>	-0.71	
<i>For &gt;50 To 100, Deduct</i>	-1.43	
<i>For &gt;100 To 250, Deduct</i>	-2.86	
<i>For &gt;250 To 500, Deduct</i>	-4.99	
<i>For &gt;500, Deduct</i>	-7.13	
06 05 23 00-0070 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	17.09	
<i>For &gt;10 To 50, Deduct</i>	-0.82	
<i>For &gt;50 To 100, Deduct</i>	-1.65	
<i>For &gt;100 To 250, Deduct</i>	-3.31	
<i>For &gt;250 To 500, Deduct</i>	-5.78	
<i>For &gt;500, Deduct</i>	-8.25	
06 05 23 00-0071 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	15.90	
<i>For &gt;10 To 50, Deduct</i>	-0.76	
<i>For &gt;50 To 100, Deduct</i>	-1.54	
<i>For &gt;100 To 250, Deduct</i>	-3.08	
<i>For &gt;250 To 500, Deduct</i>	-5.39	
<i>For &gt;500, Deduct</i>	-7.69	
06 05 23 00-0072 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	17.20	
<i>For &gt;10 To 50, Deduct</i>	-0.82	
<i>For &gt;50 To 100, Deduct</i>	-1.66	
<i>For &gt;100 To 250, Deduct</i>	-3.31	
<i>For &gt;250 To 500, Deduct</i>	-5.78	
<i>For &gt;500, Deduct</i>	-8.26	
06 05 23 00-0073 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	17.41	
<i>For &gt;10 To 50, Deduct</i>	-0.82	
<i>For &gt;50 To 100, Deduct</i>	-1.66	
<i>For &gt;100 To 250, Deduct</i>	-3.32	
<i>For &gt;250 To 500, Deduct</i>	-5.80	
<i>For &gt;500, Deduct</i>	-8.28	
06 05 23 00-0074 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	20.83	
<i>For &gt;10 To 50, Deduct</i>	-0.98	
<i>For &gt;50 To 100, Deduct</i>	-1.99	
<i>For &gt;100 To 250, Deduct</i>	-3.98	
<i>For &gt;250 To 500, Deduct</i>	-6.96	
<i>For &gt;500, Deduct</i>	-9.93	
06 05 23 00-0075 EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	22.55	
<i>For &gt;10 To 50, Deduct</i>	-1.04	
<i>For &gt;50 To 100, Deduct</i>	-2.12	
<i>For &gt;100 To 250, Deduct</i>	-4.23	
<i>For &gt;250 To 500, Deduct</i>	-7.38	
<i>For &gt;500, Deduct</i>	-10.54	
06 05 23 00-0076 EA 3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	25.35	
<i>For &gt;10 To 50, Deduct</i>	-1.14	
<i>For &gt;50 To 100, Deduct</i>	-2.35	
<i>For &gt;100 To 250, Deduct</i>	-4.70	
<i>For &gt;250 To 500, Deduct</i>	-8.19	
<i>For &gt;500, Deduct</i>	-11.68	
06 05 23 00-0077 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	17.65	
<i>For &gt;10 To 50, Deduct</i>	-0.82	
<i>For &gt;50 To 100, Deduct</i>	-1.67	
<i>For &gt;100 To 250, Deduct</i>	-3.33	
<i>For &gt;250 To 500, Deduct</i>	-5.82	
<i>For &gt;500, Deduct</i>	-8.30	
06 05 23 00-0078 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	19.28	
<i>For &gt;10 To 50, Deduct</i>	-0.87	
<i>For &gt;50 To 100, Deduct</i>	-1.79	
<i>For &gt;100 To 250, Deduct</i>	-3.58	
<i>For &gt;250 To 500, Deduct</i>	-6.24	
<i>For &gt;500, Deduct</i>	-8.90	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0079	EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	20.54	
	For >10 To 50, Deduct	-0.93	
	For >50 To 100, Deduct	-1.90	
	For >100 To 250, Deduct	-3.80	
	For >250 To 500, Deduct	-6.63	
	For >500, Deduct	-9.46	
06 05 23 00-0080	EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	23.02	
	For >10 To 50, Deduct	-1.04	
	For >50 To 100, Deduct	-2.13	
	For >100 To 250, Deduct	-4.26	
	For >250 To 500, Deduct	-7.42	
	For >500, Deduct	-10.58	
06 05 23 00-0081	EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	27.01	
	For >10 To 50, Deduct	-1.20	
	For >50 To 100, Deduct	-2.47	
	For >100 To 250, Deduct	-4.94	
	For >250 To 500, Deduct	-8.61	
	For >500, Deduct	-12.29	
06 05 23 00-0082	EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	30.18	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-2.72	
	For >100 To 250, Deduct	-5.43	
	For >250 To 500, Deduct	-9.45	
	For >500, Deduct	-13.47	
06 05 23 00-0083	EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	23.77	
	For >10 To 50, Deduct	-0.98	
	For >50 To 100, Deduct	-2.07	
	For >100 To 250, Deduct	-4.13	
	For >250 To 500, Deduct	-7.18	
	For >500, Deduct	-10.22	
06 05 23 00-0084	EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	25.70	
	For >10 To 50, Deduct	-1.04	
	For >50 To 100, Deduct	-2.20	
	For >100 To 250, Deduct	-4.39	
	For >250 To 500, Deduct	-7.62	
	For >500, Deduct	-10.85	
06 05 23 00-0085	EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	30.69	
	For >10 To 50, Deduct	-1.20	
	For >50 To 100, Deduct	-2.56	
	For >100 To 250, Deduct	-5.13	
	For >250 To 500, Deduct	-8.89	
	For >500, Deduct	-12.65	
06 05 23 00-0086	EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	34.27	
	For >10 To 50, Deduct	-1.25	
	For >50 To 100, Deduct	-2.74	
	For >100 To 250, Deduct	-5.47	
	For >250 To 500, Deduct	-9.46	
	For >500, Deduct	-13.45	
06 05 23 00-0087	EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	37.21	
	For >10 To 50, Deduct	-1.36	
	For >50 To 100, Deduct	-2.97	
	For >100 To 250, Deduct	-5.95	
	For >250 To 500, Deduct	-10.28	
	For >500, Deduct	-14.61	
06 05 23 00-0088	EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	38.01	
	For >10 To 50, Deduct	-1.42	
	For >50 To 100, Deduct	-3.07	
	For >100 To 250, Deduct	-6.15	
	For >250 To 500, Deduct	-10.64	
	For >500, Deduct	-15.13	
<b>06 05 23 00-0089</b>	<b>Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts</b> <small>(06 05 23 00-0065)</small>		
06 05 23 00-0090	EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	14.69	
	For >10 To 50, Deduct	-0.71	
	For >50 To 100, Deduct	-1.43	
	For >100 To 250, Deduct	-2.86	
	For >250 To 500, Deduct	-5.00	
	For >500, Deduct	-7.13	
06 05 23 00-0091	EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	14.94	
	For >10 To 50, Deduct	-0.71	
	For >50 To 100, Deduct	-1.44	
	For >100 To 250, Deduct	-2.87	
	For >250 To 500, Deduct	-5.01	
	For >500, Deduct	-7.16	
06 05 23 00-0092	EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	15.21	
	For >10 To 50, Deduct	-0.71	
	For >50 To 100, Deduct	-1.44	
	For >100 To 250, Deduct	-2.88	
	For >250 To 500, Deduct	-5.03	
	For >500, Deduct	-7.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0093 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	17.99	
<i>For &gt;10 To 50, Deduct</i>	-0.82	
<i>For &gt;50 To 100, Deduct</i>	-1.68	
<i>For &gt;100 To 250, Deduct</i>	-3.35	
<i>For &gt;250 To 500, Deduct</i>	-5.84	
<i>For &gt;500, Deduct</i>	-8.34	
06 05 23 00-0094 EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	16.23	
<i>For &gt;10 To 50, Deduct</i>	-0.76	
<i>For &gt;50 To 100, Deduct</i>	-1.55	
<i>For &gt;100 To 250, Deduct</i>	-3.10	
<i>For &gt;250 To 500, Deduct</i>	-5.41	
<i>For &gt;500, Deduct</i>	-7.72	
06 05 23 00-0095 EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	17.71	
<i>For &gt;10 To 50, Deduct</i>	-0.82	
<i>For &gt;50 To 100, Deduct</i>	-1.67	
<i>For &gt;100 To 250, Deduct</i>	-3.34	
<i>For &gt;250 To 500, Deduct</i>	-5.82	
<i>For &gt;500, Deduct</i>	-8.31	
06 05 23 00-0096 EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	18.01	
<i>For &gt;10 To 50, Deduct</i>	-0.82	
<i>For &gt;50 To 100, Deduct</i>	-1.68	
<i>For &gt;100 To 250, Deduct</i>	-3.35	
<i>For &gt;250 To 500, Deduct</i>	-5.84	
<i>For &gt;500, Deduct</i>	-8.34	
06 05 23 00-0097 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	21.75	
<i>For &gt;10 To 50, Deduct</i>	-0.98	
<i>For &gt;50 To 100, Deduct</i>	-2.01	
<i>For &gt;100 To 250, Deduct</i>	-4.03	
<i>For &gt;250 To 500, Deduct</i>	-7.02	
<i>For &gt;500, Deduct</i>	-10.02	
06 05 23 00-0098 EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	23.57	
<i>For &gt;10 To 50, Deduct</i>	-1.04	
<i>For &gt;50 To 100, Deduct</i>	-2.14	
<i>For &gt;100 To 250, Deduct</i>	-4.28	
<i>For &gt;250 To 500, Deduct</i>	-7.46	
<i>For &gt;500, Deduct</i>	-10.64	
06 05 23 00-0099 EA 3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	26.30	
<i>For &gt;10 To 50, Deduct</i>	-1.14	
<i>For &gt;50 To 100, Deduct</i>	-2.37	
<i>For &gt;100 To 250, Deduct</i>	-4.75	
<i>For &gt;250 To 500, Deduct</i>	-8.26	
<i>For &gt;500, Deduct</i>	-11.78	
06 05 23 00-0100 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	18.41	
<i>For &gt;10 To 50, Deduct</i>	-0.82	
<i>For &gt;50 To 100, Deduct</i>	-1.69	
<i>For &gt;100 To 250, Deduct</i>	-3.37	
<i>For &gt;250 To 500, Deduct</i>	-5.87	
<i>For &gt;500, Deduct</i>	-8.38	
06 05 23 00-0101 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	19.88	
<i>For &gt;10 To 50, Deduct</i>	-0.87	
<i>For &gt;50 To 100, Deduct</i>	-1.80	
<i>For &gt;100 To 250, Deduct</i>	-3.61	
<i>For &gt;250 To 500, Deduct</i>	-6.28	
<i>For &gt;500, Deduct</i>	-8.96	
06 05 23 00-0102 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	21.25	
<i>For &gt;10 To 50, Deduct</i>	-0.93	
<i>For &gt;50 To 100, Deduct</i>	-1.92	
<i>For &gt;100 To 250, Deduct</i>	-3.84	
<i>For &gt;250 To 500, Deduct</i>	-6.68	
<i>For &gt;500, Deduct</i>	-9.53	
06 05 23 00-0103 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	24.06	
<i>For &gt;10 To 50, Deduct</i>	-1.04	
<i>For &gt;50 To 100, Deduct</i>	-2.15	
<i>For &gt;100 To 250, Deduct</i>	-4.31	
<i>For &gt;250 To 500, Deduct</i>	-7.50	
<i>For &gt;500, Deduct</i>	-10.69	
06 05 23 00-0104 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	28.02	
<i>For &gt;10 To 50, Deduct</i>	-1.20	
<i>For &gt;50 To 100, Deduct</i>	-2.50	
<i>For &gt;100 To 250, Deduct</i>	-5.00	
<i>For &gt;250 To 500, Deduct</i>	-8.69	
<i>For &gt;500, Deduct</i>	-12.39	
06 05 23 00-0105 EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	30.95	
<i>For &gt;10 To 50, Deduct</i>	-1.31	
<i>For &gt;50 To 100, Deduct</i>	-2.73	
<i>For &gt;100 To 250, Deduct</i>	-5.47	
<i>For &gt;250 To 500, Deduct</i>	-9.51	
<i>For &gt;500, Deduct</i>	-13.55	
06 05 23 00-0106 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	26.07	
<i>For &gt;10 To 50, Deduct</i>	-0.98	
<i>For &gt;50 To 100, Deduct</i>	-2.12	
<i>For &gt;100 To 250, Deduct</i>	-4.25	
<i>For &gt;250 To 500, Deduct</i>	-7.35	
<i>For &gt;500, Deduct</i>	-10.45	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0107	EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	27.31	
	For >10 To 50, Deduct	-1.04	
	For >50 To 100, Deduct	-2.24	
	For >100 To 250, Deduct	-4.47	
	For >250 To 500, Deduct	-7.74	
	For >500, Deduct	-11.01	
06 05 23 00-0108	EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	31.83	
	For >10 To 50, Deduct	-1.20	
	For >50 To 100, Deduct	-2.59	
	For >100 To 250, Deduct	-5.19	
	For >250 To 500, Deduct	-8.98	
	For >500, Deduct	-12.77	
06 05 23 00-0109	EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	34.18	
	For >10 To 50, Deduct	-1.25	
	For >50 To 100, Deduct	-2.73	
	For >100 To 250, Deduct	-5.47	
	For >250 To 500, Deduct	-9.46	
	For >500, Deduct	-13.44	
06 05 23 00-0110	EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	38.69	
	For >10 To 50, Deduct	-1.36	
	For >50 To 100, Deduct	-3.01	
	For >100 To 250, Deduct	-6.02	
	For >250 To 500, Deduct	-10.39	
	For >500, Deduct	-14.76	
06 05 23 00-0111	EA 3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	41.11	
	For >10 To 50, Deduct	-1.42	
	For >50 To 100, Deduct	-3.15	
	For >100 To 250, Deduct	-6.30	
	For >250 To 500, Deduct	-10.87	
	For >500, Deduct	-15.44	
<b>06 05 23 00-0112</b>	<b>304/18-8 Stainless Steel, Carriage Bolts</b> <small>(06 05 23 00-0065)</small> .....	<b>15.47</b>	
06 05 23 00-0113	EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	15.47	
	For >10 To 50, Deduct	-0.71	
	For >50 To 100, Deduct	-1.45	
	For >100 To 250, Deduct	-2.90	
	For >250 To 500, Deduct	-5.05	
	For >500, Deduct	-7.21	
06 05 23 00-0114	EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	16.90	
	For >10 To 50, Deduct	-0.71	
	For >50 To 100, Deduct	-1.48	
	For >100 To 250, Deduct	-2.97	
	For >250 To 500, Deduct	-5.16	
	For >500, Deduct	-7.35	
06 05 23 00-0115	EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	17.84	
	For >10 To 50, Deduct	-0.71	
	For >50 To 100, Deduct	-1.51	
	For >100 To 250, Deduct	-3.02	
	For >250 To 500, Deduct	-5.23	
	For >500, Deduct	-7.45	
06 05 23 00-0116	EA 1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	30.12	
	For >10 To 50, Deduct	-0.82	
	For >50 To 100, Deduct	-1.98	
	For >100 To 250, Deduct	-3.96	
	For >250 To 500, Deduct	-6.75	
	For >500, Deduct	-9.55	
06 05 23 00-0117	EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	17.89	
	For >10 To 50, Deduct	-0.76	
	For >50 To 100, Deduct	-1.59	
	For >100 To 250, Deduct	-3.18	
	For >250 To 500, Deduct	-5.54	
	For >500, Deduct	-7.89	
06 05 23 00-0118	EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	21.06	
	For >10 To 50, Deduct	-0.82	
	For >50 To 100, Deduct	-1.75	
	For >100 To 250, Deduct	-3.50	
	For >250 To 500, Deduct	-6.07	
	For >500, Deduct	-8.64	
06 05 23 00-0119	EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	21.51	
	For >10 To 50, Deduct	-0.82	
	For >50 To 100, Deduct	-1.76	
	For >100 To 250, Deduct	-3.53	
	For >250 To 500, Deduct	-6.11	
	For >500, Deduct	-8.69	
06 05 23 00-0120	EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	39.73	
	For >10 To 50, Deduct	-0.98	
	For >50 To 100, Deduct	-2.46	
	For >100 To 250, Deduct	-4.93	
	For >250 To 500, Deduct	-8.37	
	For >500, Deduct	-11.82	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0121 EA 3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	48.28	
<i>For &gt;10 To 50, Deduct</i>	-1.04	
<i>For &gt;50 To 100, Deduct</i>	-2.76	
<i>For &gt;100 To 250, Deduct</i>	-5.52	
<i>For &gt;250 To 500, Deduct</i>	-9.31	
<i>For &gt;500, Deduct</i>	-13.11	
06 05 23 00-0122 EA 3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	54.08	
<i>For &gt;10 To 50, Deduct</i>	-1.14	
<i>For &gt;50 To 100, Deduct</i>	-3.07	
<i>For &gt;100 To 250, Deduct</i>	-6.13	
<i>For &gt;250 To 500, Deduct</i>	-10.35	
<i>For &gt;500, Deduct</i>	-14.56	
06 05 23 00-0123 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	22.73	
<i>For &gt;10 To 50, Deduct</i>	-0.82	
<i>For &gt;50 To 100, Deduct</i>	-1.79	
<i>For &gt;100 To 250, Deduct</i>	-3.59	
<i>For &gt;250 To 500, Deduct</i>	-6.20	
<i>For &gt;500, Deduct</i>	-8.81	
06 05 23 00-0124 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	25.82	
<i>For &gt;10 To 50, Deduct</i>	-0.87	
<i>For &gt;50 To 100, Deduct</i>	-1.95	
<i>For &gt;100 To 250, Deduct</i>	-3.91	
<i>For &gt;250 To 500, Deduct</i>	-6.73	
<i>For &gt;500, Deduct</i>	-9.55	
06 05 23 00-0125 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	31.25	
<i>For &gt;10 To 50, Deduct</i>	-0.93	
<i>For &gt;50 To 100, Deduct</i>	-2.17	
<i>For &gt;100 To 250, Deduct</i>	-4.34	
<i>For &gt;250 To 500, Deduct</i>	-7.43	
<i>For &gt;500, Deduct</i>	-10.53	
06 05 23 00-0126 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	49.60	
<i>For &gt;10 To 50, Deduct</i>	-1.04	
<i>For &gt;50 To 100, Deduct</i>	-2.79	
<i>For &gt;100 To 250, Deduct</i>	-5.59	
<i>For &gt;250 To 500, Deduct</i>	-9.41	
<i>For &gt;500, Deduct</i>	-13.24	
06 05 23 00-0127 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	56.02	
<i>For &gt;10 To 50, Deduct</i>	-1.20	
<i>For &gt;50 To 100, Deduct</i>	-3.20	
<i>For &gt;100 To 250, Deduct</i>	-6.40	
<i>For &gt;250 To 500, Deduct</i>	-10.79	
<i>For &gt;500, Deduct</i>	-15.19	
06 05 23 00-0128 EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	87.83	
<i>For &gt;10 To 50, Deduct</i>	-1.31	
<i>For &gt;50 To 100, Deduct</i>	-4.16	
<i>For &gt;100 To 250, Deduct</i>	-8.31	
<i>For &gt;250 To 500, Deduct</i>	-13.78	
<i>For &gt;500, Deduct</i>	-19.24	
06 05 23 00-0129 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	68.22	
<i>For &gt;10 To 50, Deduct</i>	-1.04	
<i>For &gt;50 To 100, Deduct</i>	-3.26	
<i>For &gt;100 To 250, Deduct</i>	-6.52	
<i>For &gt;250 To 500, Deduct</i>	-10.81	
<i>For &gt;500, Deduct</i>	-15.10	
06 05 23 00-0130 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	96.53	
<i>For &gt;10 To 50, Deduct</i>	-1.20	
<i>For &gt;50 To 100, Deduct</i>	-4.21	
<i>For &gt;100 To 250, Deduct</i>	-8.42	
<i>For &gt;250 To 500, Deduct</i>	-13.83	
<i>For &gt;500, Deduct</i>	-19.24	
06 05 23 00-0131 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	106.96	
<i>For &gt;10 To 50, Deduct</i>	-1.25	
<i>For &gt;50 To 100, Deduct</i>	-4.55	
<i>For &gt;100 To 250, Deduct</i>	-9.11	
<i>For &gt;250 To 500, Deduct</i>	-14.91	
<i>For &gt;500, Deduct</i>	-20.72	
06 05 23 00-0132 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	157.76	
<i>For &gt;10 To 50, Deduct</i>	-1.36	
<i>For &gt;50 To 100, Deduct</i>	-5.99	
<i>For &gt;100 To 250, Deduct</i>	-11.97	
<i>For &gt;250 To 500, Deduct</i>	-19.32	
<i>For &gt;500, Deduct</i>	-26.67	
06 05 23 00-0133 EA 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	165.94	
<i>For &gt;10 To 50, Deduct</i>	-1.42	
<i>For &gt;50 To 100, Deduct</i>	-6.27	
<i>For &gt;100 To 250, Deduct</i>	-12.55	
<i>For &gt;250 To 500, Deduct</i>	-20.23	
<i>For &gt;500, Deduct</i>	-27.92	

06 05 23 00-0134 316 Stainless Steel, Carriage Bolts (06 05 23 00-0065)

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0135	EA		1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	22.09	
			<i>For &gt;10 To 50, Deduct</i>	-0.71	
			<i>For &gt;50 To 100, Deduct</i>	-1.61	
			<i>For &gt;100 To 250, Deduct</i>	-3.23	
			<i>For &gt;250 To 500, Deduct</i>	-5.55	
			<i>For &gt;500, Deduct</i>	-7.87	
06 05 23 00-0136	EA		1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	24.61	
			<i>For &gt;10 To 50, Deduct</i>	-0.71	
			<i>For &gt;50 To 100, Deduct</i>	-1.68	
			<i>For &gt;100 To 250, Deduct</i>	-3.35	
			<i>For &gt;250 To 500, Deduct</i>	-5.74	
			<i>For &gt;500, Deduct</i>	-8.13	
06 05 23 00-0137	EA		3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	26.55	
			<i>For &gt;10 To 50, Deduct</i>	-0.76	
			<i>For &gt;50 To 100, Deduct</i>	-1.81	
			<i>For &gt;100 To 250, Deduct</i>	-3.62	
			<i>For &gt;250 To 500, Deduct</i>	-6.19	
			<i>For &gt;500, Deduct</i>	-8.76	
06 05 23 00-0138	EA		3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	31.14	
			<i>For &gt;10 To 50, Deduct</i>	-0.82	
			<i>For &gt;50 To 100, Deduct</i>	-2.00	
			<i>For &gt;100 To 250, Deduct</i>	-4.01	
			<i>For &gt;250 To 500, Deduct</i>	-6.83	
			<i>For &gt;500, Deduct</i>	-9.65	
06 05 23 00-0139	EA		1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	42.33	
			<i>For &gt;10 To 50, Deduct</i>	-0.82	
			<i>For &gt;50 To 100, Deduct</i>	-2.28	
			<i>For &gt;100 To 250, Deduct</i>	-4.57	
			<i>For &gt;250 To 500, Deduct</i>	-7.67	
			<i>For &gt;500, Deduct</i>	-10.77	
06 05 23 00-0140	EA		1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	46.13	
			<i>For &gt;10 To 50, Deduct</i>	-0.87	
			<i>For &gt;50 To 100, Deduct</i>	-2.46	
			<i>For &gt;100 To 250, Deduct</i>	-4.92	
			<i>For &gt;250 To 500, Deduct</i>	-8.25	
			<i>For &gt;500, Deduct</i>	-11.59	
06 05 23 00-0141	EA		1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt.....	49.71	
			<i>For &gt;10 To 50, Deduct</i>	-0.93	
			<i>For &gt;50 To 100, Deduct</i>	-2.63	
			<i>For &gt;100 To 250, Deduct</i>	-5.26	
			<i>For &gt;250 To 500, Deduct</i>	-8.82	
			<i>For &gt;500, Deduct</i>	-12.38	
06 05 23 00-0142			<b>Hex Lag Bolts</b> <small>(06 05 23 00-0064)</small>		
			Note: Includes drilling of holes in any material.		
06 05 23 00-0143			<b>Zinc Plated Steel, Hex Lag Bolts</b> <small>(06 05 23 00-0142)</small>		
06 05 23 00-0144	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	13.80	
			<i>For &gt;10 To 50, Deduct</i>	-0.68	
			<i>For &gt;50 To 100, Deduct</i>	-1.37	
			<i>For &gt;100 To 250, Deduct</i>	-2.73	
			<i>For &gt;250 To 500, Deduct</i>	-4.78	
			<i>For &gt;500, Deduct</i>	-6.83	
06 05 23 00-0145	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	13.91	
			<i>For &gt;10 To 50, Deduct</i>	-0.68	
			<i>For &gt;50 To 100, Deduct</i>	-1.37	
			<i>For &gt;100 To 250, Deduct</i>	-2.74	
			<i>For &gt;250 To 500, Deduct</i>	-4.79	
			<i>For &gt;500, Deduct</i>	-6.84	
06 05 23 00-0146	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	14.15	
			<i>For &gt;10 To 50, Deduct</i>	-0.68	
			<i>For &gt;50 To 100, Deduct</i>	-1.38	
			<i>For &gt;100 To 250, Deduct</i>	-2.75	
			<i>For &gt;250 To 500, Deduct</i>	-4.81	
			<i>For &gt;500, Deduct</i>	-6.86	
06 05 23 00-0147	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	15.19	
			<i>For &gt;10 To 50, Deduct</i>	-0.74	
			<i>For &gt;50 To 100, Deduct</i>	-1.49	
			<i>For &gt;100 To 250, Deduct</i>	-2.99	
			<i>For &gt;250 To 500, Deduct</i>	-5.22	
			<i>For &gt;500, Deduct</i>	-7.46	
06 05 23 00-0148	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.47	
			<i>For &gt;10 To 50, Deduct</i>	-0.80	
			<i>For &gt;50 To 100, Deduct</i>	-1.60	
			<i>For &gt;100 To 250, Deduct</i>	-3.21	
			<i>For &gt;250 To 500, Deduct</i>	-5.61	
			<i>For &gt;500, Deduct</i>	-8.01	
06 05 23 00-0149	EA		3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.72	
			<i>For &gt;10 To 50, Deduct</i>	-0.80	
			<i>For &gt;50 To 100, Deduct</i>	-1.61	
			<i>For &gt;100 To 250, Deduct</i>	-3.22	
			<i>For &gt;250 To 500, Deduct</i>	-5.63	
			<i>For &gt;500, Deduct</i>	-8.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0150 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	20.42	
<i>For &gt;10 To 50, Deduct</i>	-0.95	
<i>For &gt;50 To 100, Deduct</i>	-1.94	
<i>For &gt;100 To 250, Deduct</i>	-3.88	
<i>For &gt;250 To 500, Deduct</i>	-6.78	
<i>For &gt;500, Deduct</i>	-9.67	
06 05 23 00-0151 EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	21.62	
<i>For &gt;10 To 50, Deduct</i>	-1.01	
<i>For &gt;50 To 100, Deduct</i>	-2.05	
<i>For &gt;100 To 250, Deduct</i>	-4.10	
<i>For &gt;250 To 500, Deduct</i>	-7.16	
<i>For &gt;500, Deduct</i>	-10.21	
06 05 23 00-0152 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.75	
<i>For &gt;10 To 50, Deduct</i>	-0.80	
<i>For &gt;50 To 100, Deduct</i>	-1.62	
<i>For &gt;100 To 250, Deduct</i>	-3.24	
<i>For &gt;250 To 500, Deduct</i>	-5.66	
<i>For &gt;500, Deduct</i>	-8.08	
06 05 23 00-0153 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	18.18	
<i>For &gt;10 To 50, Deduct</i>	-0.85	
<i>For &gt;50 To 100, Deduct</i>	-1.74	
<i>For &gt;100 To 250, Deduct</i>	-3.47	
<i>For &gt;250 To 500, Deduct</i>	-6.06	
<i>For &gt;500, Deduct</i>	-8.65	
06 05 23 00-0154 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	19.72	
<i>For &gt;10 To 50, Deduct</i>	-0.91	
<i>For &gt;50 To 100, Deduct</i>	-1.85	
<i>For &gt;100 To 250, Deduct</i>	-3.71	
<i>For &gt;250 To 500, Deduct</i>	-6.47	
<i>For &gt;500, Deduct</i>	-9.23	
06 05 23 00-0155 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	22.39	
<i>For &gt;10 To 50, Deduct</i>	-1.01	
<i>For &gt;50 To 100, Deduct</i>	-2.08	
<i>For &gt;100 To 250, Deduct</i>	-4.16	
<i>For &gt;250 To 500, Deduct</i>	-7.26	
<i>For &gt;500, Deduct</i>	-10.35	
06 05 23 00-0156 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	26.34	
<i>For &gt;10 To 50, Deduct</i>	-1.18	
<i>For &gt;50 To 100, Deduct</i>	-2.42	
<i>For &gt;100 To 250, Deduct</i>	-4.84	
<i>For &gt;250 To 500, Deduct</i>	-8.44	
<i>For &gt;500, Deduct</i>	-12.03	
06 05 23 00-0157 EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	28.74	
<i>For &gt;10 To 50, Deduct</i>	-1.28	
<i>For &gt;50 To 100, Deduct</i>	-2.64	
<i>For &gt;100 To 250, Deduct</i>	-5.28	
<i>For &gt;250 To 500, Deduct</i>	-9.20	
<i>For &gt;500, Deduct</i>	-13.13	
06 05 23 00-0158 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	23.93	
<i>For &gt;10 To 50, Deduct</i>	-1.01	
<i>For &gt;50 To 100, Deduct</i>	-2.12	
<i>For &gt;100 To 250, Deduct</i>	-4.24	
<i>For &gt;250 To 500, Deduct</i>	-7.37	
<i>For &gt;500, Deduct</i>	-10.51	
06 05 23 00-0159 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	28.48	
<i>For &gt;10 To 50, Deduct</i>	-1.18	
<i>For &gt;50 To 100, Deduct</i>	-2.47	
<i>For &gt;100 To 250, Deduct</i>	-4.95	
<i>For &gt;250 To 500, Deduct</i>	-8.60	
<i>For &gt;500, Deduct</i>	-12.25	
06 05 23 00-0160 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	31.29	
<i>For &gt;10 To 50, Deduct</i>	-1.23	
<i>For &gt;50 To 100, Deduct</i>	-2.62	
<i>For &gt;100 To 250, Deduct</i>	-5.25	
<i>For &gt;250 To 500, Deduct</i>	-9.10	
<i>For &gt;500, Deduct</i>	-12.95	
06 05 23 00-0161 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	35.03	
<i>For &gt;10 To 50, Deduct</i>	-1.34	
<i>For &gt;50 To 100, Deduct</i>	-2.88	
<i>For &gt;100 To 250, Deduct</i>	-5.76	
<i>For &gt;250 To 500, Deduct</i>	-9.97	
<i>For &gt;500, Deduct</i>	-14.18	
06 05 23 00-0162 EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	38.92	
<i>For &gt;10 To 50, Deduct</i>	-1.39	
<i>For &gt;50 To 100, Deduct</i>	-3.06	
<i>For &gt;100 To 250, Deduct</i>	-6.11	
<i>For &gt;250 To 500, Deduct</i>	-10.55	
<i>For &gt;500, Deduct</i>	-15.00	

06 05 23 00-0163 Hot Dipped Galvanized Steel, Hex Lag Bolts (06 05 23 00-0142)

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0164	EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	13.86	
	For >10 To 50, Deduct	-0.68	
	For >50 To 100, Deduct	-1.37	
	For >100 To 250, Deduct	-2.74	
	For >250 To 500, Deduct	-4.79	
	For >500, Deduct	-6.83	
06 05 23 00-0165	EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	14.03	
	For >10 To 50, Deduct	-0.68	
	For >50 To 100, Deduct	-1.37	
	For >100 To 250, Deduct	-2.74	
	For >250 To 500, Deduct	-4.80	
	For >500, Deduct	-6.85	
06 05 23 00-0166	EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	14.21	
	For >10 To 50, Deduct	-0.68	
	For >50 To 100, Deduct	-1.38	
	For >100 To 250, Deduct	-2.75	
	For >250 To 500, Deduct	-4.81	
	For >500, Deduct	-6.87	
06 05 23 00-0167	EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	15.28	
	For >10 To 50, Deduct	-0.74	
	For >50 To 100, Deduct	-1.50	
	For >100 To 250, Deduct	-2.99	
	For >250 To 500, Deduct	-5.23	
	For >500, Deduct	-7.46	
06 05 23 00-0168	EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.62	
	For >10 To 50, Deduct	-0.80	
	For >50 To 100, Deduct	-1.61	
	For >100 To 250, Deduct	-3.22	
	For >250 To 500, Deduct	-5.62	
	For >500, Deduct	-8.02	
06 05 23 00-0169	EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.90	
	For >10 To 50, Deduct	-0.80	
	For >50 To 100, Deduct	-1.62	
	For >100 To 250, Deduct	-3.23	
	For >250 To 500, Deduct	-5.64	
	For >500, Deduct	-8.05	
06 05 23 00-0170	EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	20.76	
	For >10 To 50, Deduct	-0.95	
	For >50 To 100, Deduct	-1.95	
	For >100 To 250, Deduct	-3.90	
	For >250 To 500, Deduct	-6.80	
	For >500, Deduct	-9.71	
06 05 23 00-0171	EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	22.19	
	For >10 To 50, Deduct	-1.01	
	For >50 To 100, Deduct	-2.06	
	For >100 To 250, Deduct	-4.13	
	For >250 To 500, Deduct	-7.20	
	For >500, Deduct	-10.27	
06 05 23 00-0172	EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	17.01	
	For >10 To 50, Deduct	-0.80	
	For >50 To 100, Deduct	-1.63	
	For >100 To 250, Deduct	-3.25	
	For >250 To 500, Deduct	-5.68	
	For >500, Deduct	-8.11	
06 05 23 00-0173	EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	18.32	
	For >10 To 50, Deduct	-0.85	
	For >50 To 100, Deduct	-1.74	
	For >100 To 250, Deduct	-3.48	
	For >250 To 500, Deduct	-6.07	
	For >500, Deduct	-8.66	
06 05 23 00-0174	EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	19.98	
	For >10 To 50, Deduct	-0.91	
	For >50 To 100, Deduct	-1.86	
	For >100 To 250, Deduct	-3.72	
	For >250 To 500, Deduct	-6.49	
	For >500, Deduct	-9.26	
06 05 23 00-0175	EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	23.17	
	For >10 To 50, Deduct	-1.01	
	For >50 To 100, Deduct	-2.10	
	For >100 To 250, Deduct	-4.20	
	For >250 To 500, Deduct	-7.31	
	For >500, Deduct	-10.43	
06 05 23 00-0176	EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	26.72	
	For >10 To 50, Deduct	-1.18	
	For >50 To 100, Deduct	-2.43	
	For >100 To 250, Deduct	-4.86	
	For >250 To 500, Deduct	-8.47	
	For >500, Deduct	-12.07	
06 05 23 00-0177	EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	29.67	
	For >10 To 50, Deduct	-1.28	
	For >50 To 100, Deduct	-2.66	
	For >100 To 250, Deduct	-5.33	
	For >250 To 500, Deduct	-9.27	
	For >500, Deduct	-13.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0178 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	24.51	
<i>For &gt;10 To 50, Deduct</i>	-1.01	
<i>For &gt;50 To 100, Deduct</i>	-2.13	
<i>For &gt;100 To 250, Deduct</i>	-4.27	
<i>For &gt;250 To 500, Deduct</i>	-7.42	
<i>For &gt;500, Deduct</i>	-10.56	
06 05 23 00-0179 EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	29.00	
<i>For &gt;10 To 50, Deduct</i>	-1.18	
<i>For &gt;50 To 100, Deduct</i>	-2.49	
<i>For &gt;100 To 250, Deduct</i>	-4.98	
<i>For &gt;250 To 500, Deduct</i>	-8.64	
<i>For &gt;500, Deduct</i>	-12.30	
06 05 23 00-0180 EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	32.17	
<i>For &gt;10 To 50, Deduct</i>	-1.23	
<i>For &gt;50 To 100, Deduct</i>	-2.65	
<i>For &gt;100 To 250, Deduct</i>	-5.29	
<i>For &gt;250 To 500, Deduct</i>	-9.17	
<i>For &gt;500, Deduct</i>	-13.04	
06 05 23 00-0181 EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	37.10	
<i>For &gt;10 To 50, Deduct</i>	-1.34	
<i>For &gt;50 To 100, Deduct</i>	-2.93	
<i>For &gt;100 To 250, Deduct</i>	-5.86	
<i>For &gt;250 To 500, Deduct</i>	-10.13	
<i>For &gt;500, Deduct</i>	-14.39	
06 05 23 00-0182 EA 3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	41.12	
<i>For &gt;10 To 50, Deduct</i>	-1.39	
<i>For &gt;50 To 100, Deduct</i>	-3.11	
<i>For &gt;100 To 250, Deduct</i>	-6.22	
<i>For &gt;250 To 500, Deduct</i>	-10.72	
<i>For &gt;500, Deduct</i>	-15.22	
<b>06 05 23 00-0183 304/18-8 Stainless Steel, Hex Lag Bolts</b> <small>(06 05 23 00-0142)</small>		
06 05 23 00-0184 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	14.52	
<i>For &gt;10 To 50, Deduct</i>	-0.68	
<i>For &gt;50 To 100, Deduct</i>	-1.38	
<i>For &gt;100 To 250, Deduct</i>	-2.77	
<i>For &gt;250 To 500, Deduct</i>	-4.83	
<i>For &gt;500, Deduct</i>	-6.90	
06 05 23 00-0185 EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	15.19	
<i>For &gt;10 To 50, Deduct</i>	-0.68	
<i>For &gt;50 To 100, Deduct</i>	-1.40	
<i>For &gt;100 To 250, Deduct</i>	-2.80	
<i>For &gt;250 To 500, Deduct</i>	-4.88	
<i>For &gt;500, Deduct</i>	-6.97	
06 05 23 00-0186 EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	17.02	
<i>For &gt;10 To 50, Deduct</i>	-0.68	
<i>For &gt;50 To 100, Deduct</i>	-1.45	
<i>For &gt;100 To 250, Deduct</i>	-2.89	
<i>For &gt;250 To 500, Deduct</i>	-5.02	
<i>For &gt;500, Deduct</i>	-7.15	
06 05 23 00-0187 EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	17.14	
<i>For &gt;10 To 50, Deduct</i>	-0.74	
<i>For &gt;50 To 100, Deduct</i>	-1.54	
<i>For &gt;100 To 250, Deduct</i>	-3.08	
<i>For &gt;250 To 500, Deduct</i>	-5.37	
<i>For &gt;500, Deduct</i>	-7.65	
06 05 23 00-0188 EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	19.22	
<i>For &gt;10 To 50, Deduct</i>	-0.80	
<i>For &gt;50 To 100, Deduct</i>	-1.67	
<i>For &gt;100 To 250, Deduct</i>	-3.35	
<i>For &gt;250 To 500, Deduct</i>	-5.81	
<i>For &gt;500, Deduct</i>	-8.28	
06 05 23 00-0189 EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	20.39	
<i>For &gt;10 To 50, Deduct</i>	-0.80	
<i>For &gt;50 To 100, Deduct</i>	-1.70	
<i>For &gt;100 To 250, Deduct</i>	-3.40	
<i>For &gt;250 To 500, Deduct</i>	-5.90	
<i>For &gt;500, Deduct</i>	-8.40	
06 05 23 00-0190 EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	39.82	
<i>For &gt;10 To 50, Deduct</i>	-0.95	
<i>For &gt;50 To 100, Deduct</i>	-2.43	
<i>For &gt;100 To 250, Deduct</i>	-4.85	
<i>For &gt;250 To 500, Deduct</i>	-8.23	
<i>For &gt;500, Deduct</i>	-11.61	
06 05 23 00-0191 EA 3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	55.09	
<i>For &gt;10 To 50, Deduct</i>	-1.01	
<i>For &gt;50 To 100, Deduct</i>	-2.89	
<i>For &gt;100 To 250, Deduct</i>	-5.77	
<i>For &gt;250 To 500, Deduct</i>	-9.67	
<i>For &gt;500, Deduct</i>	-13.56	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0192	EA		1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	20.55	
			<i>For &gt;10 To 50, Deduct</i>	-0.80	
			<i>For &gt;50 To 100, Deduct</i>	-1.72	
			<i>For &gt;100 To 250, Deduct</i>	-3.43	
			<i>For &gt;250 To 500, Deduct</i>	-5.95	
			<i>For &gt;500, Deduct</i>	-8.46	
06 05 23 00-0193	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	24.04	
			<i>For &gt;10 To 50, Deduct</i>	-0.85	
			<i>For &gt;50 To 100, Deduct</i>	-1.88	
			<i>For &gt;100 To 250, Deduct</i>	-3.76	
			<i>For &gt;250 To 500, Deduct</i>	-6.50	
			<i>For &gt;500, Deduct</i>	-9.24	
06 05 23 00-0194	EA		1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	29.32	
			<i>For &gt;10 To 50, Deduct</i>	-0.91	
			<i>For &gt;50 To 100, Deduct</i>	-2.09	
			<i>For &gt;100 To 250, Deduct</i>	-4.19	
			<i>For &gt;250 To 500, Deduct</i>	-7.19	
			<i>For &gt;500, Deduct</i>	-10.19	
06 05 23 00-0195	EA		1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	58.54	
			<i>For &gt;10 To 50, Deduct</i>	-1.01	
			<i>For &gt;50 To 100, Deduct</i>	-2.98	
			<i>For &gt;100 To 250, Deduct</i>	-5.97	
			<i>For &gt;250 To 500, Deduct</i>	-9.97	
			<i>For &gt;500, Deduct</i>	-13.97	
06 05 23 00-0196	EA		1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	79.17	
			<i>For &gt;10 To 50, Deduct</i>	-1.18	
			<i>For &gt;50 To 100, Deduct</i>	-3.74	
			<i>For &gt;100 To 250, Deduct</i>	-7.48	
			<i>For &gt;250 To 500, Deduct</i>	-12.40	
			<i>For &gt;500, Deduct</i>	-17.32	
06 05 23 00-0197	EA		1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	92.24	
			<i>For &gt;10 To 50, Deduct</i>	-1.28	
			<i>For &gt;50 To 100, Deduct</i>	-4.23	
			<i>For &gt;100 To 250, Deduct</i>	-8.46	
			<i>For &gt;250 To 500, Deduct</i>	-13.97	
			<i>For &gt;500, Deduct</i>	-19.48	
06 05 23 00-0198	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	85.12	
			<i>For &gt;10 To 50, Deduct</i>	-1.01	
			<i>For &gt;50 To 100, Deduct</i>	-3.65	
			<i>For &gt;100 To 250, Deduct</i>	-7.30	
			<i>For &gt;250 To 500, Deduct</i>	-11.96	
			<i>For &gt;500, Deduct</i>	-16.62	
06 05 23 00-0199	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	97.35	
			<i>For &gt;10 To 50, Deduct</i>	-1.18	
			<i>For &gt;50 To 100, Deduct</i>	-4.20	
			<i>For &gt;100 To 250, Deduct</i>	-8.39	
			<i>For &gt;250 To 500, Deduct</i>	-13.76	
			<i>For &gt;500, Deduct</i>	-19.14	
06 05 23 00-0200	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	101.31	
			<i>For &gt;10 To 50, Deduct</i>	-1.23	
			<i>For &gt;50 To 100, Deduct</i>	-4.37	
			<i>For &gt;100 To 250, Deduct</i>	-8.75	
			<i>For &gt;250 To 500, Deduct</i>	-14.35	
			<i>For &gt;500, Deduct</i>	-19.96	
06 05 23 00-0201	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	139.45	
			<i>For &gt;10 To 50, Deduct</i>	-1.34	
			<i>For &gt;50 To 100, Deduct</i>	-5.49	
			<i>For &gt;100 To 250, Deduct</i>	-10.98	
			<i>For &gt;250 To 500, Deduct</i>	-17.80	
			<i>For &gt;500, Deduct</i>	-24.63	
06 05 23 00-0202	EA		3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	151.98	
			<i>For &gt;10 To 50, Deduct</i>	-1.39	
			<i>For &gt;50 To 100, Deduct</i>	-5.88	
			<i>For &gt;100 To 250, Deduct</i>	-11.76	
			<i>For &gt;250 To 500, Deduct</i>	-19.03	
			<i>For &gt;500, Deduct</i>	-26.30	

**06 05 23 00-0203 Stainless Steel Screws** (06 05 23 00-0064)

06 05 23 00-0204	EA	#8 x 1-1/2" Stainless Steel Screw.....	2.15
06 05 23 00-0205	EA	#9 x 1-1/2" Stainless Steel Screw.....	2.18
06 05 23 00-0206	EA	#10 x 1-1/2" Stainless Steel Screw.....	2.24
06 05 23 00-0207	EA	#12 x 1-1/2" Stainless Steel Screw.....	2.42

**06 05 23 00-0208 Galvanized Steel Screws** (06 05 23 00-0064)

06 05 23 00-0209	EA	#8 x 1-1/2" Galvanized Steel Screw.....	1.99
06 05 23 00-0210	EA	#9 x 1-1/2" Galvanized Steel Screw.....	2.02
06 05 23 00-0211	EA	#10 x 1-1/2" Galvanized Steel Screw.....	2.07
06 05 23 00-0212	EA	#12 x 1-1/2" Galvanized Steel Screw.....	2.22
06 05 23 00-0213	EA	#8 x 2-1/2" Galvanized Steel Screw.....	2.02
06 05 23 00-0214	EA	#9 x 2-1/2" Galvanized Steel Screw.....	2.05
06 05 23 00-0215	EA	#10 x 2-1/2" Galvanized Steel Screw.....	2.11
06 05 23 00-0216	EA	#12 x 2-1/2" Galvanized Steel Screw.....	2.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>06 05 23 00-0217 Timber Bolts</b> <small>(06 05 23 00-0064)</small>		
Note: Includes drilling of holes in any material.		
06 05 23 00-0218 EA 5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914) .....	35.33	
For >10 To 50, Deduct	-1.13	
For >50 To 100, Deduct	-2.58	
For >100 To 250, Deduct	-5.16	
For >250 To 500, Deduct	-8.86	
For >500, Deduct	-12.57	
06 05 23 00-0219 EA 5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915) .....	39.94	
For >10 To 50, Deduct	-1.26	
For >50 To 100, Deduct	-2.89	
For >100 To 250, Deduct	-5.79	
For >250 To 500, Deduct	-9.95	
For >500, Deduct	-14.11	
06 05 23 00-0220 EA 5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916) .....	43.17	
For >10 To 50, Deduct	-1.35	
For >50 To 100, Deduct	-3.10	
For >100 To 250, Deduct	-6.20	
For >250 To 500, Deduct	-10.64	
For >500, Deduct	-15.09	
06 05 23 00-0221 EA 5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917) .....	48.22	
For >10 To 50, Deduct	-1.42	
For >50 To 100, Deduct	-3.34	
For >100 To 250, Deduct	-6.68	
For >250 To 500, Deduct	-11.44	
For >500, Deduct	-16.21	
06 05 23 00-0222 EA 5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918) .....	51.35	
For >10 To 50, Deduct	-1.50	
For >50 To 100, Deduct	-3.53	
For >100 To 250, Deduct	-7.07	
For >250 To 500, Deduct	-12.10	
For >500, Deduct	-17.14	
06 05 23 00-0223 EA 5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919) .....	53.31	
For >10 To 50, Deduct	-1.57	
For >50 To 100, Deduct	-3.68	
For >100 To 250, Deduct	-7.36	
For >250 To 500, Deduct	-12.61	
For >500, Deduct	-17.86	
06 05 23 00-0224 EA 3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920) .....	47.91	
For >10 To 50, Deduct	-1.35	
For >50 To 100, Deduct	-3.22	
For >100 To 250, Deduct	-6.44	
For >250 To 500, Deduct	-11.00	
For >500, Deduct	-15.56	
06 05 23 00-0225 EA 3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921) .....	50.12	
For >10 To 50, Deduct	-1.40	
For >50 To 100, Deduct	-3.35	
For >100 To 250, Deduct	-6.71	
For >250 To 500, Deduct	-11.46	
For >500, Deduct	-16.22	
06 05 23 00-0226 EA 3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922) .....	55.63	
For >10 To 50, Deduct	-1.48	
For >50 To 100, Deduct	-3.62	
For >100 To 250, Deduct	-7.23	
For >250 To 500, Deduct	-12.33	
For >500, Deduct	-17.44	
06 05 23 00-0227 EA 3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923) .....	59.77	
For >10 To 50, Deduct	-1.56	
For >50 To 100, Deduct	-3.84	
For >100 To 250, Deduct	-7.67	
For >250 To 500, Deduct	-13.07	
For >500, Deduct	-18.46	
06 05 23 00-0228 EA 3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924) .....	64.29	
For >10 To 50, Deduct	-1.64	
For >50 To 100, Deduct	-4.06	
For >100 To 250, Deduct	-8.13	
For >250 To 500, Deduct	-13.83	
For >500, Deduct	-19.53	
<b>06 05 23 00-0229 Supports</b> <small>(06 05 23)</small>		
<b>06 05 23 00-0230 Shear Plates</b> <small>(06 05 23 00-0229)</small>		
06 05 23 00-0231 EA 2-5/8" Diameter, Shear Plate .....	15.09	4.03
For >10 To 50, Deduct	-0.45	
For >50 To 100, Deduct	-1.06	
For >100 To 250, Deduct	-2.12	
For >250 To 500, Deduct	-3.63	
For >500, Deduct	-5.14	
06 05 23 00-0232 EA 4" Diameter, Shear Plate .....	14.51	4.25
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.07	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-3.69	
For >500, Deduct	-5.24	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0233	<b>Sill Anchors</b> <small>(06 05 23 00-0229)</small>		
06 05 23 00-0234	EA Sill Anchor Embedded In Concrete.....	12.88	4.25
	For >10 To 50, Deduct	-0.47	
	For >50 To 100, Deduct	-1.03	
	For >100 To 250, Deduct	-2.06	
	For >250 To 500, Deduct	-3.57	
	For >500, Deduct	-5.08	
06 05 23 00-0235	<b>Spike Grids</b> <small>(06 05 23 00-0229)</small>		
06 05 23 00-0236	EA 3" x 6" Flat Or Curved Spike Grid.....	11.47	4.03
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-0.97	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-3.36	
	For >500, Deduct	-4.78	
06 05 23 00-0237	<b>Split Rings</b> <small>(06 05 23 00-0229)</small>		
06 05 23 00-0238	EA 2-1/2" Diameter Split Ring.....	15.29	4.03
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-1.06	
	For >100 To 250, Deduct	-2.13	
	For >250 To 500, Deduct	-3.64	
	For >500, Deduct	-5.16	
06 05 23 00-0239	EA 4" Diameter Split Ring.....	16.45	4.47
	For >10 To 50, Deduct	-0.50	
	For >50 To 100, Deduct	-1.15	
	For >100 To 250, Deduct	-2.31	
	For >250 To 500, Deduct	-3.96	
	For >500, Deduct	-5.61	
06 05 23 00-0240	<b>Toothed Rings</b> <small>(06 05 23 00-0229)</small>		
06 05 23 00-0241	EA 2-5/8" Or 4" Toothed Ring.....	12.19	4.03
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-0.99	
	For >100 To 250, Deduct	-1.97	
	For >250 To 500, Deduct	-3.41	
	For >500, Deduct	-4.85	
06 05 23 00-0242	<b>Straps And Shields</b> <small>(06 05 23)</small>		
06 05 23 00-0243	<b>Shield Plate</b> <small>(06 05 23 00-0242)</small>		
06 05 23 00-0244	EA 5" Wide x 8" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN58Z).....	8.35	
	For >10 To 50, Deduct	-0.07	
	For >50 To 100, Deduct	-0.28	
	For >100 To 250, Deduct	-0.55	
	For >250 To 500, Deduct	-0.97	
	For >500, Deduct	-1.46	
06 05 23 00-0245	EA 5" Wide x 16" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN516Z).....	13.29	
	For >10 To 50, Deduct	-0.08	
	For >50 To 100, Deduct	-0.41	
	For >100 To 250, Deduct	-0.83	
	For >250 To 500, Deduct	-1.41	
	For >500, Deduct	-2.08	
06 05 23 00-0246	<b>Strap Ties</b> <small>(06 05 23 00-0242)</small>		
06 05 23 00-0247	EA 1-1/4" Wide x 9" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA9).....	3.20	
	For >10 To 50, Deduct	-0.05	
	For >50 To 100, Deduct	-0.13	
	For >100 To 250, Deduct	-0.27	
	For >250 To 500, Deduct	-0.51	
	For >500, Deduct	-0.82	
06 05 23 00-0248	EA 1-1/4" Wide x 12" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA12).....	3.29	
	For >10 To 50, Deduct	-0.05	
	For >50 To 100, Deduct	-0.14	
	For >100 To 250, Deduct	-0.27	
	For >250 To 500, Deduct	-0.52	
	For >500, Deduct	-0.83	
06 05 23 00-0249	EA 1-1/4" Wide x 15" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA15).....	4.21	
	For >10 To 50, Deduct	-0.07	
	For >50 To 100, Deduct	-0.17	
	For >100 To 250, Deduct	-0.35	
	For >250 To 500, Deduct	-0.66	
	For >500, Deduct	-1.05	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0250 EA 1-1/4" Wide x 18" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA18).....	4.37	
<i>For &gt;10 To 50, Deduct</i>	-0.07	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
<i>For &gt;100 To 250, Deduct</i>	-0.36	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-1.06	
06 05 23 00-0251 EA 1-1/4" Wide x 21" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA21).....	4.54	
<i>For &gt;10 To 50, Deduct</i>	-0.07	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
<i>For &gt;100 To 250, Deduct</i>	-0.36	
<i>For &gt;250 To 500, Deduct</i>	-0.68	
<i>For &gt;500, Deduct</i>	-1.08	
06 05 23 00-0252 EA 1-1/4" Wide x 24" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA24).....	5.21	
<i>For &gt;10 To 50, Deduct</i>	-0.08	
<i>For &gt;50 To 100, Deduct</i>	-0.21	
<i>For &gt;100 To 250, Deduct</i>	-0.42	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-1.27	
06 05 23 00-0253 EA 1-1/4" Wide x 30" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA30).....	6.77	
<i>For &gt;10 To 50, Deduct</i>	-0.08	
<i>For &gt;50 To 100, Deduct</i>	-0.25	
<i>For &gt;100 To 250, Deduct</i>	-0.50	
<i>For &gt;250 To 500, Deduct</i>	-0.92	
<i>For &gt;500, Deduct</i>	-1.43	
06 05 23 00-0254 EA 1-1/4" Wide x 36" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA36).....	7.85	
<i>For &gt;10 To 50, Deduct</i>	-0.10	
<i>For &gt;50 To 100, Deduct</i>	-0.29	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-1.07	
<i>For &gt;500, Deduct</i>	-1.66	
06 05 23 00-0255 EA 1-1/4" Wide x 9" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA9).....	3.55	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.14	
<i>For &gt;100 To 250, Deduct</i>	-0.29	
<i>For &gt;250 To 500, Deduct</i>	-0.54	
<i>For &gt;500, Deduct</i>	-0.85	
06 05 23 00-0256 EA 1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA12).....	3.68	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.15	
<i>For &gt;100 To 250, Deduct</i>	-0.29	
<i>For &gt;250 To 500, Deduct</i>	-0.55	
<i>For &gt;500, Deduct</i>	-0.87	
06 05 23 00-0257 EA 1-1/4" Wide x 15" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA15).....	4.70	
<i>For &gt;10 To 50, Deduct</i>	-0.07	
<i>For &gt;50 To 100, Deduct</i>	-0.19	
<i>For &gt;100 To 250, Deduct</i>	-0.37	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-1.10	
06 05 23 00-0258 EA 1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA18).....	4.90	
<i>For &gt;10 To 50, Deduct</i>	-0.07	
<i>For &gt;50 To 100, Deduct</i>	-0.19	
<i>For &gt;100 To 250, Deduct</i>	-0.38	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-1.12	
06 05 23 00-0259 EA 1-1/4" Wide x 21" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA21).....	5.00	
<i>For &gt;10 To 50, Deduct</i>	-0.07	
<i>For &gt;50 To 100, Deduct</i>	-0.19	
<i>For &gt;100 To 250, Deduct</i>	-0.39	
<i>For &gt;250 To 500, Deduct</i>	-0.72	
<i>For &gt;500, Deduct</i>	-1.13	
06 05 23 00-0260 EA 1-1/4" Wide x 24" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA24).....	5.71	
<i>For &gt;10 To 50, Deduct</i>	-0.08	
<i>For &gt;50 To 100, Deduct</i>	-0.22	
<i>For &gt;100 To 250, Deduct</i>	-0.45	
<i>For &gt;250 To 500, Deduct</i>	-0.84	
<i>For &gt;500, Deduct</i>	-1.32	
06 05 23 00-0261 EA 1-1/4" Wide x 30" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA30).....	7.10	
<i>For &gt;10 To 50, Deduct</i>	-0.08	
<i>For &gt;50 To 100, Deduct</i>	-0.26	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500, Deduct</i>	-1.46	
06 05 23 00-0262 EA 1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA36).....	7.86	
<i>For &gt;10 To 50, Deduct</i>	-0.10	
<i>For &gt;50 To 100, Deduct</i>	-0.29	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-1.07	
<i>For &gt;500, Deduct</i>	-1.66	
06 05 23 00-0263 EA 1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA49).....	12.42	
<i>For &gt;10 To 50, Deduct</i>	-0.11	
<i>For &gt;50 To 100, Deduct</i>	-0.42	
<i>For &gt;100 To 250, Deduct</i>	-0.84	
<i>For &gt;250 To 500, Deduct</i>	-1.48	
<i>For &gt;500, Deduct</i>	-2.24	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0264	EA	1-1/4" Wide x 9" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST9) .....	4.20	
		<i>For &gt;10 To 50, Deduct</i>	-0.05	
		<i>For &gt;50 To 100, Deduct</i>	-0.16	
		<i>For &gt;100 To 250, Deduct</i>	-0.32	
		<i>For &gt;250 To 500, Deduct</i>	-0.59	
		<i>For &gt;500, Deduct</i>	-0.92	
06 05 23 00-0265	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST12) .....	4.21	
		<i>For &gt;10 To 50, Deduct</i>	-0.05	
		<i>For &gt;50 To 100, Deduct</i>	-0.16	
		<i>For &gt;100 To 250, Deduct</i>	-0.32	
		<i>For &gt;250 To 500, Deduct</i>	-0.59	
		<i>For &gt;500, Deduct</i>	-0.92	
06 05 23 00-0266	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST18) .....	5.13	
		<i>For &gt;10 To 50, Deduct</i>	-0.07	
		<i>For &gt;50 To 100, Deduct</i>	-0.20	
		<i>For &gt;100 To 250, Deduct</i>	-0.39	
		<i>For &gt;250 To 500, Deduct</i>	-0.73	
		<i>For &gt;500, Deduct</i>	-1.14	
06 05 23 00-0267	EA	1-1/4" Wide x 22" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST22) .....	7.10	
		<i>For &gt;10 To 50, Deduct</i>	-0.08	
		<i>For &gt;50 To 100, Deduct</i>	-0.26	
		<i>For &gt;100 To 250, Deduct</i>	-0.52	
		<i>For &gt;250 To 500, Deduct</i>	-0.94	
		<i>For &gt;500, Deduct</i>	-1.46	
06 05 23 00-0268	EA	1-3/8" Wide x 6" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS6) .....	6.06	
		<i>For &gt;10 To 50, Deduct</i>	-0.05	
		<i>For &gt;50 To 100, Deduct</i>	-0.21	
		<i>For &gt;100 To 250, Deduct</i>	-0.41	
		<i>For &gt;250 To 500, Deduct</i>	-0.73	
		<i>For &gt;500, Deduct</i>	-1.11	
06 05 23 00-0269	EA	1-3/8" Wide x 8" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS8) .....	6.68	
		<i>For &gt;10 To 50, Deduct</i>	-0.05	
		<i>For &gt;50 To 100, Deduct</i>	-0.22	
		<i>For &gt;100 To 250, Deduct</i>	-0.44	
		<i>For &gt;250 To 500, Deduct</i>	-0.77	
		<i>For &gt;500, Deduct</i>	-1.17	
06 05 23 00-0270	EA	1-3/8" Wide x 12" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS12) .....	8.78	
		<i>For &gt;10 To 50, Deduct</i>	-0.07	
		<i>For &gt;50 To 100, Deduct</i>	-0.29	
		<i>For &gt;100 To 250, Deduct</i>	-0.58	
		<i>For &gt;250 To 500, Deduct</i>	-1.00	
		<i>For &gt;500, Deduct</i>	-1.51	
06 05 23 00-0271	EA	2-1/16" Wide x 27" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST27).....	13.06	
		<i>For &gt;10 To 50, Deduct</i>	-0.08	
		<i>For &gt;50 To 100, Deduct</i>	-0.41	
		<i>For &gt;100 To 250, Deduct</i>	-0.82	
		<i>For &gt;250 To 500, Deduct</i>	-1.39	
		<i>For &gt;500, Deduct</i>	-2.06	
06 05 23 00-0272	EA	2-1/16" Wide x 37" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST37).....	16.28	
		<i>For &gt;10 To 50, Deduct</i>	-0.10	
		<i>For &gt;50 To 100, Deduct</i>	-0.50	
		<i>For &gt;100 To 250, Deduct</i>	-1.01	
		<i>For &gt;250 To 500, Deduct</i>	-1.70	
		<i>For &gt;500, Deduct</i>	-2.51	
06 05 23 00-0273	EA	2-1/16" Wide x 48" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST48).....	24.09	
		<i>For &gt;10 To 50, Deduct</i>	-0.11	
		<i>For &gt;50 To 100, Deduct</i>	-0.71	
		<i>For &gt;100 To 250, Deduct</i>	-1.42	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-3.41	
06 05 23 00-0274	EA	2-1/16" Wide x 60" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST60).....	41.95	
		<i>For &gt;10 To 50, Deduct</i>	-0.12	
		<i>For &gt;50 To 100, Deduct</i>	-1.17	
		<i>For &gt;100 To 250, Deduct</i>	-2.34	
		<i>For &gt;250 To 500, Deduct</i>	-3.76	
		<i>For &gt;500, Deduct</i>	-5.32	
06 05 23 00-0275	EA	2-1/16" Wide x 72" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST72).....	54.08	
		<i>For &gt;10 To 50, Deduct</i>	-0.14	
		<i>For &gt;50 To 100, Deduct</i>	-1.49	
		<i>For &gt;100 To 250, Deduct</i>	-2.98	
		<i>For &gt;250 To 500, Deduct</i>	-4.74	
		<i>For &gt;500, Deduct</i>	-6.66	
06 05 23 00-0276	EA	3" Wide x 28-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC28).....	15.58	
		<i>For &gt;10 To 50, Deduct</i>	-0.08	
		<i>For &gt;50 To 100, Deduct</i>	-0.47	
		<i>For &gt;100 To 250, Deduct</i>	-0.94	
		<i>For &gt;250 To 500, Deduct</i>	-1.58	
		<i>For &gt;500, Deduct</i>	-2.31	
06 05 23 00-0277	EA	3" Wide x 40-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC40).....	20.12	
		<i>For &gt;10 To 50, Deduct</i>	-0.10	
		<i>For &gt;50 To 100, Deduct</i>	-0.60	
		<i>For &gt;100 To 250, Deduct</i>	-1.20	
		<i>For &gt;250 To 500, Deduct</i>	-1.99	
		<i>For &gt;500, Deduct</i>	-2.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0278 EA 3" Wide x 52-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC52).....	23.49	
<i>For &gt;10 To 50, Deduct</i>	-0.11	
<i>For &gt;50 To 100, Deduct</i>	-0.70	
<i>For &gt;100 To 250, Deduct</i>	-1.39	
<i>For &gt;250 To 500, Deduct</i>	-2.31	
<i>For &gt;500, Deduct</i>	-3.35	
06 05 23 00-0279 EA 3" Wide x 66-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC66).....	35.76	
<i>For &gt;10 To 50, Deduct</i>	-0.12	
<i>For &gt;50 To 100, Deduct</i>	-1.02	
<i>For &gt;100 To 250, Deduct</i>	-2.03	
<i>For &gt;250 To 500, Deduct</i>	-3.29	
<i>For &gt;500, Deduct</i>	-4.70	
<b>06 05 23 00-0280 Twist Strap Ties</b> <small>(06 05 23 00-0242)</small>		
06 05 23 00-0281 EA 1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS12).....	3.75	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.15	
<i>For &gt;100 To 250, Deduct</i>	-0.30	
<i>For &gt;250 To 500, Deduct</i>	-0.55	
<i>For &gt;500, Deduct</i>	-0.87	
06 05 23 00-0282 EA 1-1/4" Wide x 16" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS16).....	4.72	
<i>For &gt;10 To 50, Deduct</i>	-0.06	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
<i>For &gt;100 To 250, Deduct</i>	-0.36	
<i>For &gt;250 To 500, Deduct</i>	-0.66	
<i>For &gt;500, Deduct</i>	-1.04	
06 05 23 00-0283 EA 1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS18).....	5.45	
<i>For &gt;10 To 50, Deduct</i>	-0.07	
<i>For &gt;50 To 100, Deduct</i>	-0.20	
<i>For &gt;100 To 250, Deduct</i>	-0.41	
<i>For &gt;250 To 500, Deduct</i>	-0.75	
<i>For &gt;500, Deduct</i>	-1.17	
06 05 23 00-0284 EA 1-1/4" Wide x 20" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS20).....	5.90	
<i>For &gt;10 To 50, Deduct</i>	-0.08	
<i>For &gt;50 To 100, Deduct</i>	-0.22	
<i>For &gt;100 To 250, Deduct</i>	-0.45	
<i>For &gt;250 To 500, Deduct</i>	-0.82	
<i>For &gt;500, Deduct</i>	-1.28	
06 05 23 00-0285 EA 1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS12).....	3.71	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.15	
<i>For &gt;100 To 250, Deduct</i>	-0.29	
<i>For &gt;250 To 500, Deduct</i>	-0.55	
<i>For &gt;500, Deduct</i>	-0.87	
06 05 23 00-0286 EA 1-1/4" Wide x 16" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS16).....	4.80	
<i>For &gt;10 To 50, Deduct</i>	-0.06	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
<i>For &gt;100 To 250, Deduct</i>	-0.36	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-1.04	
06 05 23 00-0287 EA 1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS18).....	5.59	
<i>For &gt;10 To 50, Deduct</i>	-0.07	
<i>For &gt;50 To 100, Deduct</i>	-0.21	
<i>For &gt;100 To 250, Deduct</i>	-0.42	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-1.19	
06 05 23 00-0288 EA 1-1/4" Wide x 20" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS20).....	5.95	
<i>For &gt;10 To 50, Deduct</i>	-0.08	
<i>For &gt;50 To 100, Deduct</i>	-0.22	
<i>For &gt;100 To 250, Deduct</i>	-0.45	
<i>For &gt;250 To 500, Deduct</i>	-0.82	
<i>For &gt;500, Deduct</i>	-1.29	
06 05 23 00-0289 EA 1-1/4" Wide x 24" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS24).....	8.14	
<i>For &gt;10 To 50, Deduct</i>	-0.08	
<i>For &gt;50 To 100, Deduct</i>	-0.29	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
<i>For &gt;250 To 500, Deduct</i>	-1.02	
<i>For &gt;500, Deduct</i>	-1.57	
06 05 23 00-0290 EA 1-1/4" Wide x 16" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS16).....	6.22	
<i>For &gt;10 To 50, Deduct</i>	-0.06	
<i>For &gt;50 To 100, Deduct</i>	-0.22	
<i>For &gt;100 To 250, Deduct</i>	-0.43	
<i>For &gt;250 To 500, Deduct</i>	-0.77	
<i>For &gt;500, Deduct</i>	-1.19	
06 05 23 00-0291 EA 1-1/4" Wide x 20" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS20).....	7.45	
<i>For &gt;10 To 50, Deduct</i>	-0.08	
<i>For &gt;50 To 100, Deduct</i>	-0.26	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.93	
<i>For &gt;500, Deduct</i>	-1.44	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0292	EA 1-1/4" Wide x 24" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS24) .....	8.66	
	For >10 To 50, Deduct	-0.08	
	For >50 To 100, Deduct	-0.30	
	For >100 To 250, Deduct	-0.60	
	For >250 To 500, Deduct	-1.06	
	For >500, Deduct	-1.62	
<b>06 05 23 00-0293</b>	<b>Retrofit Plate Strap</b> (06 05 23 00-0242)		
06 05 23 00-0294	EA 1-3/8" Wide x 18-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS18).....	6.23	
	For >10 To 50, Deduct	-0.07	
	For >50 To 100, Deduct	-0.22	
	For >100 To 250, Deduct	-0.45	
	For >250 To 500, Deduct	-0.81	
	For >500, Deduct	-1.25	
06 05 23 00-0295	EA 1-3/8" Wide x 22-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS22).....	7.13	
	For >10 To 50, Deduct	-0.07	
	For >50 To 100, Deduct	-0.25	
	For >100 To 250, Deduct	-0.49	
	For >250 To 500, Deduct	-0.88	
	For >500, Deduct	-1.34	
06 05 23 00-0296	EA 1-3/8" Wide x 28-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS28).....	8.56	
	For >10 To 50, Deduct	-0.07	
	For >50 To 100, Deduct	-0.28	
	For >100 To 250, Deduct	-0.56	
	For >250 To 500, Deduct	-0.98	
	For >500, Deduct	-1.48	
<b>06 05 23 00-0297</b>	<b>Stud Shoe</b> (06 05 23 00-0242)		
06 05 23 00-0298	EA 6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS1.5) .....	10.66	
	For >10 To 50, Deduct	-0.08	
	For >50 To 100, Deduct	-0.35	
	For >100 To 250, Deduct	-0.70	
	For >250 To 500, Deduct	-1.21	
	For >500, Deduct	-1.82	
06 05 23 00-0299	EA 6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS2.5) .....	21.17	
	For >10 To 50, Deduct	-0.08	
	For >50 To 100, Deduct	-0.61	
	For >100 To 250, Deduct	-1.22	
	For >250 To 500, Deduct	-2.00	
	For >500, Deduct	-2.87	
06 05 23 00-0300	EA 6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS3) .....	21.27	
	For >10 To 50, Deduct	-0.08	
	For >50 To 100, Deduct	-0.61	
	For >100 To 250, Deduct	-1.23	
	For >250 To 500, Deduct	-2.00	
	For >500, Deduct	-2.88	
06 05 23 00-0301	EA 6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS4.5) .....	28.58	
	For >10 To 50, Deduct	-0.08	
	For >50 To 100, Deduct	-0.80	
	For >100 To 250, Deduct	-1.59	
	For >250 To 500, Deduct	-2.55	
	For >500, Deduct	-3.61	
06 05 23 00-0302	EA 7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-SDS1.5).....	26.84	
	For >10 To 50, Deduct	-0.08	
	For >50 To 100, Deduct	-0.75	
	For >100 To 250, Deduct	-1.51	
	For >250 To 500, Deduct	-2.42	
	For >500, Deduct	-3.44	
06 05 23 00-0303	EA 7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie HSS2-2-SDS3).....	29.09	
	For >10 To 50, Deduct	-0.08	
	For >50 To 100, Deduct	-0.81	
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.59	
	For >500, Deduct	-3.66	
06 05 23 00-0304	EA 7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-3-SDS3) .....	30.81	
	For >10 To 50, Deduct	-0.08	
	For >50 To 100, Deduct	-0.85	
	For >100 To 250, Deduct	-1.70	
	For >250 To 500, Deduct	-2.72	
	For >500, Deduct	-3.83	
06 05 23 00-0305	EA 7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS4-SDS3).....	46.66	
	For >10 To 50, Deduct	-0.08	
	For >50 To 100, Deduct	-1.25	
	For >100 To 250, Deduct	-2.50	
	For >250 To 500, Deduct	-3.91	
	For >500, Deduct	-5.42	
<b>06 05 23 00-0306</b>	<b>Nail Stops</b> (06 05 23 00-0242)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0307 EA 1-1/2" Wide x 3" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS1) .....	2.94	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.13	
<i>For &gt;100 To 250, Deduct</i>	-0.26	
<i>For &gt;250 To 500, Deduct</i>	-0.49	
<i>For &gt;500, Deduct</i>	-0.79	
06 05 23 00-0308 EA 1-1/2" Wide x 6" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS2) .....	3.08	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.13	
<i>For &gt;100 To 250, Deduct</i>	-0.26	
<i>For &gt;250 To 500, Deduct</i>	-0.50	
<i>For &gt;500, Deduct</i>	-0.81	

**06 05 73 Wood Treatment** (06 05)

**06 05 73 13 Fire-Retardant Wood Treatment** (06 05 73)

06 05 73 13-0001 Preservative Treated Lumber (06 05 73 13)

06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber (06 05 73 13-0001)

06 05 73 13-0003 MBF Fire Retardant Treatment (FRT) For Lumber..... 714.24

**06 05 73 33 Preservative Wood Treatment** (06 05 73)

06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses (06 05 73 33)

06 05 73 33-0002 MBF Preservative Treatment For Marine And Fresh Water Lumber ..... 195.94

**06 10 Rough Carpentry** (06)

**06 11 Wood Framing** (06 10)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

**06 11 13 Engineered Wood Products** (06 11)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001 Built-Up Members (06 11 13)

Note: A structural framing member made from fastening separate pieces of lumber together.

06 11 13 00-0002 Built-Up Beams Or Joists (06 11 13 00-0001)

06 11 13 00-0003 LF Two 2" x 6" Built-up Wood Beam Or Joist.....	5.27	1.87
<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>	1.21	
06 11 13 00-0004 LF Two 2" x 8" Built-up Wood Beam Or Joist.....	6.70	2.20
<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>	1.71	
06 11 13 00-0005 LF Two 2" x 10" Built-up Wood Beam Or Joist.....	8.70	2.63
<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>	2.38	

06 11 13 00-0006 Built-Up Posts (06 11 13 00-0001)

06 11 13 00-0007 LF Two 2" x 6" Built-up Wood Post.....	5.27	1.87
<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>	1.21	
06 11 13 00-0008 LF Two 2" x 8" Built-up Wood Post.....	6.70	2.20
<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>	1.71	
06 11 13 00-0009 LF Two 2" x 10" Built-up Wood Post.....	8.70	2.63
<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>	2.38	

**06 11 16 Mechanically Graded Lumber** (06 11)

06 11 16 00-0001 Rafters And Joists (06 11 16)

06 11 16 00-0002 Rafters (06 11 16 00-0001)

Note: An inclined roof framing member to which a roof covering is attached.

06 11 16 00-0003 LF 2" x 6" Wood Rafter .....	2.96	1.32
06 11 16 00-0004 LF 2" x 8" Wood Rafter .....	3.58	1.42
06 11 16 00-0005 LF 2" x 10" Wood Rafter .....	5.12	2.08
06 11 16 00-0006 LF 2" x 12" Wood Rafter .....	5.95	2.31
06 11 16 00-0007 LF 2" x 14" Wood Rafter .....	6.49	2.52
06 11 16 00-0008 LF 2" x 6" Pressure Treated Wood Rafter.....	2.90	1.32
06 11 16 00-0009 LF 2" x 8" Pressure Treated Wood Rafter .....	3.47	1.42
06 11 16 00-0010 LF 2" x 10" Pressure Treated Wood Rafter.....	4.72	2.08
06 11 16 00-0011 LF 2" x 12" Pressure Treated Wood Rafter.....	5.65	2.31

06 11 16 00-0012 Joists (06 11 16 00-0001)

Note: A series of parallel beams to support floors or ceilings.

06 11 16 00-0013 LF 2" x 6" Wood Floor Joist.....	2.62	1.10
06 11 16 00-0014 LF 2" x 8" Wood Floor Joist.....	3.36	1.21
06 11 16 00-0015 LF 2" x 10" Wood Floor Joist.....	4.35	1.53
06 11 16 00-0016 LF 2" x 12" Wood Floor Joist.....	5.19	1.76
06 11 16 00-0017 LF 2" x 14" Wood Floor Joist.....	5.72	1.87

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 11 Wood Framing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 11 16 00-0018	LF	2" x 6" Pressure Treated Wood Floor Joist .....		2.56	1.10
06 11 16 00-0019	LF	2" x 8" Pressure Treated Wood Floor Joist .....		3.25	1.21
06 11 16 00-0020	LF	2" x 10" Pressure Treated Wood Floor Joist .....		3.95	1.53
06 11 16 00-0021	LF	2" x 12" Pressure Treated Wood Floor Joist .....		4.89	1.76
<b>06 11 16 00-0022</b>		<b>Purlins</b> <small>(06 11 16 00-0001)</small>			
		Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.			
06 11 16 00-0023	LF	2" x 4" Wood Purlin .....		2.04	0.66
06 11 16 00-0024	LF	2" x 6" Wood Purlin .....		2.65	0.72
06 11 16 00-0025	LF	2" x 8" Wood Purlin .....		3.31	0.80
06 11 16 00-0026	LF	2" x 10" Wood Purlin .....		4.14	0.87
06 11 16 00-0027	LF	2" x 4" Pressure Treated Wood Purlin .....		2.00	0.66
06 11 16 00-0028	LF	2" x 6" Pressure Treated Wood Purlin .....		2.59	0.72
06 11 16 00-0029	LF	2" x 8" Pressure Treated Wood Purlin .....		3.20	0.80
06 11 16 00-0030	LF	2" x 10" Pressure Treated Wood Purlin .....		3.74	0.87
<b>06 11 16 00-0031</b>		<b>Exposed Rafters Or Joists</b> <small>(06 11 16 00-0001)</small>			
<b>06 11 16 00-0032</b>		<b>Redwood Rafters Or Joists</b> <small>(06 11 16 00-0031)</small>			
06 11 16 00-0033	LF	2" x 6" Redwood Rafter Or Joist .....		4.39	1.10
06 11 16 00-0034	LF	2" x 8" Redwood Rafter Or Joist .....		5.42	1.21
06 11 16 00-0035	LF	2" x 10" Redwood Rafter Or Joist .....		6.78	1.53
06 11 16 00-0036	LF	2" x 12" Redwood Rafter Or Joist .....		8.27	1.76
<b>06 11 16 00-0037</b>		<b>Cedar Rafters Or Joists</b> <small>(06 11 16 00-0031)</small>			
06 11 16 00-0038	LF	2" x 6" Cedar Rafter Or Joist .....		2.64	1.10
06 11 16 00-0039	LF	2" x 8" Cedar Rafter Or Joist .....		2.95	1.21
06 11 16 00-0040	LF	2" x 10" Cedar Rafter Or Joist .....		3.35	1.53
06 11 16 00-0041	LF	2" x 12" Cedar Rafter Or Joist .....		3.76	1.76
<b>06 11 16 00-0042</b>		<b>Oak Rafters Or Joists</b> <small>(06 11 16 00-0031)</small>			
06 11 16 00-0043	LF	2" x 6" Oak Rafter Or Joist .....		3.36	1.10
06 11 16 00-0044	LF	2" x 8" Oak Rafter Or Joist .....		4.77	1.21
06 11 16 00-0045	LF	2" x 10" Oak Rafter Or Joist .....		6.27	1.53
06 11 16 00-0046	LF	2" x 12" Oak Rafter Or Joist .....		7.79	1.76
<b>06 11 16 00-0047</b>		<b>Framing</b> <small>(06 11 16)</small>			
<b>06 11 16 00-0048</b>		<b>Partition Framing</b> <small>(06 11 16 00-0047)</small>			
06 11 16 00-0049	LF	2" x 4" Wood Stud Framing, For Partition Walls .....		1.98	0.87
06 11 16 00-0050	LF	2" x 6" Wood Stud Framing, For Partition Walls .....		2.52	0.94
06 11 16 00-0051	LF	2" x 8" Wood Stud Framing, For Partition Walls .....		3.08	0.99
06 11 16 00-0052	LF	2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls .....		1.94	0.87
06 11 16 00-0053	LF	2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls .....		2.46	0.94
06 11 16 00-0054	LF	2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls .....		2.97	0.99
<b>06 11 16 00-0055</b>		<b>Wall Framing Assemblies By The SF</b> <small>(06 11 16 00-0047)</small>			
		Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.			
<b>06 11 16 00-0056</b>		<b>Wall Framing By The SF, 12" On Center</b> <small>(06 11 16 00-0055)</small>			
06 11 16 00-0057	SF	2" x 4" Wood Wall Framing At 12" On Center .....		2.61	1.06
		For Up To 200, Add		0.84	
		For >200 To 500, Add		0.42	
06 11 16 00-0058	SF	2" x 6" Wood Wall Framing At 12" On Center .....		3.56	1.36
		For Up To 200, Add		1.11	
		For >200 To 500, Add		0.56	
06 11 16 00-0059	SF	2" x 8" Wood Wall Framing At 12" On Center .....		4.75	1.81
		For Up To 200, Add		1.49	
		For >200 To 500, Add		0.74	
<b>06 11 16 00-0060</b>		<b>Wall Framing By The SF, 16" On Center</b> <small>(06 11 16 00-0055)</small>			
06 11 16 00-0061	SF	2" x 4" Wood Wall Framing At 16" On Center .....		2.12	0.85
		For Up To 200, Add		0.68	
		For >200 To 500, Add		0.34	
06 11 16 00-0062	SF	2" x 6" Wood Wall Framing At 16" On Center .....		2.95	1.14
		For Up To 200, Add		0.92	
		For >200 To 500, Add		0.46	
06 11 16 00-0063	SF	2" x 8" Wood Wall Framing At 16" On Center .....		3.95	1.51
		For Up To 200, Add		1.24	
		For >200 To 500, Add		0.62	
<b>06 11 16 00-0064</b>		<b>Wall Framing By The SF, 24" On Center</b> <small>(06 11 16 00-0055)</small>			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0065 SF 2" x 4" Wood Wall Framing At 24" On Center..... <i>For Up To 200, Add</i> <i>For &gt;200 To 500, Add</i>	1.68 <i>0.54</i> <i>0.27</i>	0.67
06 11 16 00-0066 SF 2" x 6" Wood Wall Framing At 24" On Center..... <i>For Up To 200, Add</i> <i>For &gt;200 To 500, Add</i>	2.32 <i>0.72</i> <i>0.36</i>	0.88
06 11 16 00-0067 SF 2" x 8" Wood Wall Framing At 24" On Center..... <i>For Up To 200, Add</i> <i>For &gt;200 To 500, Add</i>	3.10 <i>0.97</i> <i>0.48</i>	1.18
<b>06 11 16 00-0068 Sills And Plates (06 11 16)</b>		
<b>06 11 16 00-0069 Sills (06 11 16 00-0068)</b> Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070 LF 2" x 4" Wood Sill.....	3.19	1.65
06 11 16 00-0071 LF 2" x 6" Wood Sill.....	3.94	1.87
06 11 16 00-0072 LF 2" x 8" Wood Sill.....	4.81	2.08
06 11 16 00-0073 LF 2" x 4" Pressure Treated Wood Sill.....	3.15	1.65
06 11 16 00-0074 LF 2" x 6" Pressure Treated Wood Sill.....	3.88	1.87
06 11 16 00-0075 LF 2" x 8" Pressure Treated Wood Sill.....	4.70	2.08
<b>06 11 16 00-0076 Plates (06 11 16 00-0068)</b> Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077 LF 2" x 4" Wood Plate.....	3.19	1.65
06 11 16 00-0078 LF 2" x 6" Wood Plate.....	3.94	1.87
06 11 16 00-0079 LF 2" x 8" Wood Plate.....	4.78	2.08
06 11 16 00-0080 LF 2" x 4" Pressure Treated Wood Plate.....	3.15	1.65
06 11 16 00-0081 LF 2" x 6" Pressure Treated Wood Plate.....	3.88	1.87
06 11 16 00-0082 LF 2" x 8" Pressure Treated Wood Plate.....	4.67	2.08
<b>06 11 16 00-0083 Sills And Plates From Redwood (06 11 16 00-0068)</b>		
<b>06 11 16 00-0084 Construction Grade/Rough (06 11 16 00-0083)</b>		
06 11 16 00-0085 LF 2" x 6" Redwood, Construction Grade/Rough.....	5.75	1.87
06 11 16 00-0086 LF 2" x 8" Redwood, Construction Grade/Rough.....	7.70	2.08
06 11 16 00-0087 LF 2" x 10" Redwood, Construction Grade/Rough.....	9.36	2.31
06 11 16 00-0088 LF 2" x 12" Redwood, Construction Grade/Rough.....	11.29	2.52
<b>06 11 16 00-0089 Con Heart/Smooth (06 11 16 00-0083)</b>		
06 11 16 00-0090 LF 2" x 6" Redwood, Con Heart/Smooth.....	7.03	1.87
06 11 16 00-0091 LF 2" x 8" Redwood, Con Heart/Smooth.....	9.62	2.08
06 11 16 00-0092 LF 2" x 10" Redwood, Con Heart/Smooth.....	12.62	2.31
06 11 16 00-0093 LF 2" x 12" Redwood, Con Heart/Smooth.....	15.17	2.52
<b>06 11 16 00-0094 Suspended Ceiling Framing (06 11 16)</b>		
06 11 16 00-0095 LF 1" x 2" Wood Suspended Ceiling Framing.....	2.53	1.42
06 11 16 00-0096 LF 1" x 3" Wood Suspended Ceiling Framing.....	2.80	1.53
06 11 16 00-0097 LF 1" x 4" Wood Suspended Ceiling Framing.....	2.95	1.65
06 11 16 00-0098 LF 2" x 2" Wood Suspended Ceiling Framing.....	3.08	1.65
06 11 16 00-0099 LF 2" x 4" Wood Suspended Ceiling Framing.....	3.66	1.87
06 11 16 00-0100 LF 1" x 2" Pressure Treated Wood Suspended Ceiling Framing.....	2.61	1.42
06 11 16 00-0101 LF 1" x 3" Pressure Treated Wood Suspended Ceiling Framing.....	2.83	1.53
06 11 16 00-0102 LF 1" x 4" Pressure Treated Wood Suspended Ceiling Framing.....	2.99	1.65
06 11 16 00-0103 LF 2" x 2" Pressure Treated Wood Suspended Ceiling Framing.....	3.03	1.65
06 11 16 00-0104 LF 2" x 4" Pressure Treated Wood Suspended Ceiling Framing.....	3.54	1.87
<b>06 11 16 00-0105 Posts And Girts (06 11 16)</b>		
<b>06 11 16 00-0106 Posts (06 11 16 00-0105)</b> Note: A vertical, upright framing member.		
06 11 16 00-0107 LF 4" x 4" Wood Post.....	4.89	2.08
06 11 16 00-0108 LF 4" x 5" Wood Post.....	5.61	2.42
06 11 16 00-0109 LF 4" x 6" Wood Post.....	6.16	2.63
06 11 16 00-0110 LF 6" x 6" Wood Post.....	6.88	2.86
06 11 16 00-0111 LF 8" x 8" Wood Post.....	7.59	2.97
06 11 16 00-0112 LF 10" x 10" Wood Post.....	8.31	3.40
06 11 16 00-0113 LF 4" x 4" Pressure Treated Wood Post.....	5.68	2.08
06 11 16 00-0114 LF 3" x 6" Pressure Treated Wood Post.....	6.54	2.63
06 11 16 00-0115 LF 4" x 6" Pressure Treated Wood Post.....	7.98	2.63
06 11 16 00-0116 LF 6" x 6" Pressure Treated Wood Post.....	11.14	2.86
<b>06 11 16 00-0117 Girts (06 11 16 00-0105)</b> Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0118 LF 2" x 4" Wood Girt.....	2.30	0.79

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 11 Wood Framing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 11 16 00-0119	LF	2" x 6" Wood Girt .....		2.94	0.86
06 11 16 00-0120	LF	2" x 8" Wood Girt .....		3.62	0.96
06 11 16 00-0121	LF	2" x 10" Wood Girt .....		4.48	1.06
06 11 16 00-0122	LF	4" x 4" Wood Girt .....		4.69	1.58
06 11 16 00-0123	LF	4" x 5" Wood Girt .....		5.42	1.78
06 11 16 00-0124	LF	4" x 6" Wood Girt .....		6.13	1.97
06 11 16 00-0125	LF	6" x 6" Wood Girt .....		6.84	2.18
06 11 16 00-0126	LF	8" x 8" Wood Girt .....		7.56	2.37
06 11 16 00-0127	LF	10" x 10" Wood Girt .....		8.28	2.58
06 11 16 00-0128	LF	2" x 4" Pressure Treated Wood Girt.....		2.26	0.79
06 11 16 00-0129	LF	2" x 6" Pressure Treated Wood Girt.....		2.88	0.86
06 11 16 00-0130	LF	2" x 8" Pressure Treated Wood Girt.....		3.51	0.96
06 11 16 00-0131	LF	2" x 10" Pressure Treated Wood Girt.....		4.08	1.06
06 11 16 00-0132	LF	4" x 4" Pressure Treated Wood Girt.....		5.68	1.58
06 11 16 00-0133	LF	3" x 6" Pressure Treated Wood Girt.....		6.54	1.97
06 11 16 00-0134	LF	4" x 6" Pressure Treated Wood Girt.....		7.98	1.97
06 11 16 00-0135	LF	6" x 6" Pressure Treated Wood Girt.....		11.14	2.18
<b>06 11 16 00-0136</b>		<b>Construction Grade/Rough Redwood Posts</b> (06 11 16 00-0105)			
06 11 16 00-0137	LF	4" x 4" Redwood, Construction Grade/Rough Post.....		8.97	2.08
		For Smooth "Clear", Add		1.16	
06 11 16 00-0138	LF	4" x 5" Redwood, Construction Grade/Rough Post.....		10.81	2.42
		For Smooth "Clear", Add		1.45	
06 11 16 00-0139	LF	4" x 6" Redwood, Construction Grade/Rough Post.....		12.68	2.63
		For Smooth "Clear", Add		1.75	
06 11 16 00-0140	LF	4" x 8" Redwood, Construction Grade/Rough Post.....		15.77	2.71
		For Smooth "Clear", Add		2.33	
06 11 16 00-0141	LF	4" x 10" Redwood, Construction Grade/Rough Post.....		18.92	2.89
		For Smooth "Clear", Add		2.91	
06 11 16 00-0142	LF	6" x 6" Redwood, Construction Grade/Rough Post.....		17.45	2.86
		For Smooth "Clear", Add		2.62	
06 11 16 00-0143	LF	6" x 8" Redwood, Construction Grade/Rough Post.....		21.97	2.97
		For Smooth "Clear", Add		3.49	
06 11 16 00-0144	LF	6" x 10" Redwood, Construction Grade/Rough Post.....		26.46	2.78
		For Smooth "Clear", Add		4.37	
06 11 16 00-0145	LF	8" x 8" Redwood, Construction Grade/Rough Post.....		28.03	2.97
		For Smooth "Clear", Add		4.66	
<b>06 11 16 00-0146</b>		<b>Stair Stringers</b> (06 11 16)			
06 11 16 00-0147	LF	2" x 10" Wood Stair Stringer .....		8.92	4.39
06 11 16 00-0148	LF	2" x 12" Wood Stair Stringer .....		10.59	5.16
06 11 16 00-0149	LF	2" x 10" Pressure Treated Wood Stair Stringer.....		8.57	4.39
06 11 16 00-0150	LF	2" x 12" Pressure Treated Wood Stair Stringer.....		10.26	5.16
<b>06 11 16 00-0151</b>		<b>Blocking And Sleepers</b> (06 11 16)			
<b>06 11 16 00-0152</b>		<b>Blocking</b> (06 11 16 00-0151)			
<b>06 11 16 00-0153</b>		<b>Blocking To Wood</b> (06 11 16 00-0152)			
06 11 16 00-0154	LF	2" x 4" Pressure Treated Wood Blocking To Wood.....		6.25	2.64
06 11 16 00-0155	LF	2" x 6" Pressure Treated Wood Blocking To Wood.....		7.44	2.90
06 11 16 00-0156	LF	2" x 8" Pressure Treated Wood Blocking To Wood.....		8.50	3.19
06 11 16 00-0157	LF	4" x 4" Pressure Treated Wood Blocking To Wood.....		9.86	3.50
06 11 16 00-0158	LF	4" x 6" Pressure Treated Wood Blocking To Wood.....		11.95	3.86
06 11 16 00-0159	LF	2" x 4" Wood Blocking To Wood .....		5.99	2.64
06 11 16 00-0160	LF	2" x 6" Wood Blocking To Wood .....		7.00	2.90
06 11 16 00-0161	LF	2" x 8" Wood Blocking To Wood .....		8.10	3.19
06 11 16 00-0162	LF	4" x 4" Wood Blocking To Wood .....		8.76	3.50
06 11 16 00-0163	LF	4" x 6" Wood Blocking To Wood .....		9.94	3.86
<b>06 11 16 00-0164</b>		<b>Blocking To Steel</b> (06 11 16 00-0152)			
06 11 16 00-0165	LF	2" x 4" Pressure Treated Wood Blocking To Steel.....		7.14	3.04
06 11 16 00-0166	LF	2" x 6" Pressure Treated Wood Blocking To Steel.....		8.47	3.34
06 11 16 00-0167	LF	2" x 8" Pressure Treated Wood Blocking To Steel.....		9.67	3.67
06 11 16 00-0168	LF	2" x 4" Wood Blocking To Steel .....		6.85	3.04
06 11 16 00-0169	LF	2" x 6" Wood Blocking To Steel .....		8.00	3.34
06 11 16 00-0170	LF	2" x 8" Wood Blocking To Steel .....		9.22	3.67
<b>06 11 16 00-0171</b>		<b>Blocking To Concrete</b> (06 11 16 00-0152)			
06 11 16 00-0172	LF	2" x 4" Pressure Treated Wood Blocking To Concrete .....		7.14	3.04
06 11 16 00-0173	LF	2" x 6" Pressure Treated Wood Blocking To Concrete .....		8.47	3.34
06 11 16 00-0174	LF	2" x 8" Pressure Treated Wood Blocking To Concrete .....		9.67	3.67
06 11 16 00-0175	LF	2" x 4" Wood Blocking To Concrete .....		6.85	3.04
06 11 16 00-0176	LF	2" x 6" Wood Blocking To Concrete .....		8.00	3.34
06 11 16 00-0177	LF	2" x 8" Wood Blocking To Concrete .....		9.22	3.67





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>06 11 16 00-0178</b> <b>Pressure Treated Lattice</b> <small>(06 11 16 00-0151)</small>		
06 11 16 00-0179    SF    3/4" Thick Pressure Treated Wood Lattice .....	8.30	2.31
<b>06 11 16 00-0180</b> <b>Sleepers</b> <small>(06 11 16 00-0151)</small>		
<b>06 11 16 00-0181</b> <b>Sleepers To Wood</b> <small>(06 11 16 00-0180)</small>		
06 11 16 00-0182    LF    1" x 2" Pressure Treated Wood Sleeper On Wood .....	1.18	0.39
06 11 16 00-0183    LF    1" x 3" Pressure Treated Wood Sleeper On Wood .....	1.39	0.44
06 11 16 00-0184    LF    1" x 4" Pressure Treated Wood Sleeper On Wood .....	1.68	0.50
06 11 16 00-0185    LF    2" x 4" Pressure Treated Wood Sleeper On Wood .....	2.19	6.04
06 11 16 00-0186    LF    2" x 6" Pressure Treated Wood Sleeper On Wood .....	2.96	0.66
<b>06 11 16 00-0187</b> <b>Sleepers To Concrete</b> <small>(06 11 16 00-0180)</small>		
06 11 16 00-0188    LF    1" x 2" Pressure Treated Wood Sleeper On Concrete .....	1.22	0.39
06 11 16 00-0189    LF    1" x 3" Pressure Treated Wood Sleeper On Concrete .....	1.44	0.44
06 11 16 00-0190    LF    1" x 4" Pressure Treated Wood Sleeper On Concrete .....	1.75	0.50
06 11 16 00-0191    LF    2" x 4" Pressure Treated Wood Sleeper On Concrete .....	2.29	6.04
06 11 16 00-0192    LF    2" x 6" Pressure Treated Wood Sleeper On Concrete .....	3.12	0.66
<b>06 11 16 00-0193</b> <b>Roofing Nailers</b> <small>(06 11 16)</small>		
06 11 16 00-0194    LF    2" x 4" Pressure Treated Lumber, For Roofing Nailers .....	3.20	0.87
06 11 16 00-0195    LF    2" x 6" Pressure Treated Lumber, For Roofing Nailers .....	3.77	0.94
06 11 16 00-0196    LF    2" x 8" Pressure Treated Lumber, For Roofing Nailers .....	4.34	0.99
<b>06 11 16 00-0197</b> <b>Roofing Sleepers</b> <small>(06 11 16)</small>		
06 11 16 00-0198    LF    2" x 4" Pressure Treated Lumber, For Roofing Sleepers .....	1.50	
06 11 16 00-0199    LF    4" x 4" Pressure Treated Lumber, For Roofing Sleepers .....	4.13	
06 11 16 00-0200    LF    4" x 6" Pressure Treated Lumber, For Roofing Sleepers .....	6.00	
06 11 16 00-0201    LF    6" x 6" Pressure Treated Lumber, For Roofing Sleepers .....	8.99	
<b>06 11 16 00-0202</b> <b>Canopy Framing, Bridging, And Furring</b> <small>(06 11 16)</small>		
<b>06 11 16 00-0203</b> <b>Wood And Steel Bridging</b> <small>(06 11 16 00-0202)</small>		
<b>06 11 16 00-0204</b> <b>Wood Bridging</b> <small>(06 11 16 00-0203)</small>		
06 11 16 00-0205    EA    1 Pair Wood Bridging, 1" x 3" Cross Type .....	9.07	3.85
<small>Note: For joists spaced at 16" on center.</small>		
06 11 16 00-0206    EA    1 Pair Wood Bridging, 2" x 3" Cross Type .....	9.47	3.85
<small>Note: For joists spaced at 16" on center.</small>		
<b>06 11 16 00-0207</b> <b>Steel Bridging</b> <small>(06 11 16 00-0203)</small>		
06 11 16 00-0208    EA    1 Pair Steel Bridging, Wood Joists At 16" On Center .....	10.85	3.85
06 11 16 00-0209    EA    1 Pair Steel Bridging, Wood Joists At 24" On Center .....	10.82	3.85
<b>06 11 16 00-0210</b> <b>Light Framing, Trim And Furring</b> <small>(06 11 16 00-0202)</small>		
<b>06 11 16 00-0211</b> <b>Pine/Spruce/Fir Light Framing, Trim And Furring</b> <small>(06 11 16 00-0210)</small>		
<small>Note: S4S board, select grade 1</small>		
06 11 16 00-0212    LF    1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring .....	2.02	0.90
06 11 16 00-0213    LF    1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring .....	2.30	0.99
06 11 16 00-0214    LF    1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring .....	2.71	1.09
06 11 16 00-0215    LF    1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring .....	3.02	1.20
06 11 16 00-0216    LF    1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring .....	3.36	1.32
06 11 16 00-0217    LF    1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring .....	3.73	1.45
06 11 16 00-0218    LF    2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring .....	3.05	1.20
06 11 16 00-0219    LF    2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring .....	3.43	1.32
06 11 16 00-0220    LF    2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring .....	4.10	1.45
06 11 16 00-0221    LF    2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring .....	4.89	1.60
06 11 16 00-0222    LF    2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring .....	5.88	1.76
<b>06 11 16 00-0223</b> <b>Cedar Light Framing, Trim And Furring</b> <small>(06 11 16 00-0210)</small>		
<small>Note: S4S board, select grade 1</small>		
06 11 16 00-0224    LF    1" x 1" Cedar Light Framing, Trim And Furring .....	2.06	0.90
06 11 16 00-0225    LF    1" x 2" Cedar Light Framing, Trim And Furring .....	2.50	0.99
06 11 16 00-0226    LF    1" x 4" Cedar Light Framing, Trim And Furring .....	3.48	1.09
06 11 16 00-0227    LF    1" x 6" Cedar Light Framing, Trim And Furring .....	4.34	1.20
06 11 16 00-0228    LF    1" x 8" Cedar Light Framing, Trim And Furring .....	6.82	1.32
06 11 16 00-0229    LF    1" x 10" Cedar Light Framing, Trim And Furring .....	8.14	1.45
06 11 16 00-0230    LF    2" x 2" Cedar Light Framing, Trim And Furring .....	3.54	1.20
06 11 16 00-0231    LF    2" x 4" Cedar Light Framing, Trim And Furring .....	4.17	1.32

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 11 Wood Framing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>06 11 16 00-0232</b>	<b>Oak Light Framing, Trim And Furring</b> (06 11 16 00-0210)		
	Note: S4S board, select grade 1		
06 11 16 00-0233	LF 1" x 1" Oak Light Framing, Trim And Furring .....	2.08	0.90
06 11 16 00-0234	LF 1" x 2" Oak Light Framing, Trim And Furring .....	2.52	0.99
06 11 16 00-0235	LF 1" x 4" Oak Light Framing, Trim And Furring .....	3.28	1.09
06 11 16 00-0236	LF 1" x 6" Oak Light Framing, Trim And Furring .....	4.05	1.20
06 11 16 00-0237	LF 1" x 8" Oak Light Framing, Trim And Furring .....	4.84	1.32
06 11 16 00-0238	LF 1" x 10" Oak Light Framing, Trim And Furring .....	5.66	1.45
06 11 16 00-0239	LF 2" x 2" Oak Light Framing, Trim And Furring .....	3.50	1.20
06 11 16 00-0240	LF 2" x 4" Oak Light Framing, Trim And Furring .....	4.85	1.32
<b>06 11 16 00-0241</b>	<b>Redwood Light Framing, Trim And Furring</b> (06 11 16 00-0210)		
	Note: S4S board, select grade 1		
06 11 16 00-0242	LF 1" x 1" Redwood Light Framing, Trim And Furring.....	1.99	0.90
06 11 16 00-0243	LF 1" x 2" Redwood Light Framing, Trim And Furring.....	2.37	0.99
06 11 16 00-0244	LF 1" x 4" Redwood Light Framing, Trim And Furring.....	3.02	1.09
06 11 16 00-0245	LF 1" x 6" Redwood Light Framing, Trim And Furring.....	3.72	1.20
06 11 16 00-0246	LF 1" x 8" Redwood Light Framing, Trim And Furring.....	4.49	1.32
06 11 16 00-0247	LF 1" x 10" Redwood Light Framing, Trim And Furring.....	5.35	1.45
06 11 16 00-0248	LF 2" x 2" Redwood Light Framing, Trim And Furring.....	3.74	1.20
06 11 16 00-0249	LF 2" x 4" Redwood Light Framing, Trim And Furring.....	4.53	1.32
<b>06 11 16 00-0250</b>	<b>Poplar Light Framing, Trim And Furring</b> (06 11 16 00-0210)		
	Note: S4S board, select grade 1		
06 11 16 00-0251	LF 1" x 1" Poplar Light Framing, Trim And Furring.....	2.46	0.90
06 11 16 00-0252	LF 1" x 2" Poplar Light Framing, Trim And Furring.....	3.10	0.99
06 11 16 00-0253	LF 1" x 4" Poplar Light Framing, Trim And Furring.....	4.05	1.09
06 11 16 00-0254	LF 1" x 6" Poplar Light Framing, Trim And Furring.....	5.32	1.20
06 11 16 00-0255	LF 1" x 8" Poplar Light Framing, Trim And Furring.....	6.24	1.32
06 11 16 00-0256	LF 1" x 10" Poplar Light Framing, Trim And Furring.....	8.48	1.45
06 11 16 00-0257	LF 1" x 12" Poplar Light Framing, Trim And Furring.....	9.28	1.45
06 11 16 00-0258	LF 2" x 2" Poplar Light Framing, Trim And Furring.....	7.30	1.20
06 11 16 00-0259	LF 2" x 4" Poplar Light Framing, Trim And Furring.....	8.21	1.32
06 11 16 00-0260	LF 2" x 6" Poplar Light Framing, Trim And Furring.....	11.25	1.45
<b>06 11 16 00-0261</b>	<b>Maple Light Framing, Trim And Furring</b> (06 11 16 00-0210)		
	Note: S4S board, select grade 1		
06 11 16 00-0262	LF 1" x 4" Maple Light Framing, Trim And Furring .....	5.29	1.09
06 11 16 00-0263	LF 1" x 6" Maple Light Framing, Trim And Furring .....	7.24	1.20
06 11 16 00-0264	LF 1" x 8" Maple Light Framing, Trim And Furring .....	9.23	1.32
<b>06 13 Heavy Timber Construction</b> (06 10)			
<b>06 13 23 Heavy Timber Framing</b> (06 13)			
<b>06 13 23 00-0001</b>	<b>Heavy Timber Framing</b> (06 13 23)		
	Note: Excludes fasteners. See CSI section 06 05 23 00-0064 for bolts and fasteners.		
<b>06 13 23 00-0002</b>	<b>Heavy Timber Beams</b> (06 13 23 00-0001)		
<b>06 13 23 00-0003</b>	<b>Pine, Heavy Timber Beams</b> (06 13 23 00-0002)		
06 13 23 00-0004	LF 4" x 4", Pine, Heavy Timber Beam.....	7.11	1.95
06 13 23 00-0005	LF 4" x 6", Pine, Heavy Timber Beam.....	8.90	2.03
06 13 23 00-0006	LF 4" x 8", Pine, Heavy Timber Beam.....	10.67	2.11
06 13 23 00-0007	LF 4" x 10", Pine, Heavy Timber Beam.....	14.28	2.25
06 13 23 00-0008	LF 4" x 12", Pine, Heavy Timber Beam.....	17.22	2.39
06 13 23 00-0009	LF 6" x 6", Pine, Heavy Timber Beam.....	11.60	2.20
06 13 23 00-0010	LF 6" x 8", Pine, Heavy Timber Beam.....	14.21	2.31
06 13 23 00-0011	LF 6" x 10", Pine, Heavy Timber Beam.....	19.62	2.47
06 13 23 00-0012	LF 6" x 12", Pine, Heavy Timber Beam.....	23.70	2.52
06 13 23 00-0013	LF 8" x 8", Pine, Heavy Timber Beam.....	17.67	2.39
06 13 23 00-0014	LF 8" x 10", Pine, Heavy Timber Beam.....	24.51	2.47
06 13 23 00-0015	LF 8" x 12", Pine, Heavy Timber Beam.....	29.99	2.52
06 13 23 00-0016	LF 10" x 10", Pine, Heavy Timber Beam.....	29.61	2.52
06 13 23 00-0017	LF 10" x 12", Pine, Heavy Timber Beam.....	36.58	2.74
06 13 23 00-0018	LF 12" x 12", Pine, Heavy Timber Beam.....	43.34	3.02
<b>06 13 23 00-0019</b>	<b>Douglas Fir, Heavy Timber Beams</b> (06 13 23 00-0002)		
06 13 23 00-0020	LF 4" x 4", Douglas Fir, Heavy Timber Beam.....	7.44	1.95
06 13 23 00-0021	LF 4" x 6", Douglas Fir, Heavy Timber Beam.....	9.39	2.03
06 13 23 00-0022	LF 4" x 8", Douglas Fir, Heavy Timber Beam.....	11.33	2.11
06 13 23 00-0023	LF 4" x 10", Douglas Fir, Heavy Timber Beam.....	15.26	2.25
06 13 23 00-0024	LF 4" x 12", Douglas Fir, Heavy Timber Beam.....	18.45	2.39
06 13 23 00-0025	LF 6" x 6", Douglas Fir, Heavy Timber Beam.....	12.32	2.20
06 13 23 00-0026	LF 6" x 8", Douglas Fir, Heavy Timber Beam.....	15.16	2.31
06 13 23 00-0027	LF 6" x 10", Douglas Fir, Heavy Timber Beam.....	21.07	2.47



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0028	LF			6" x 12", Douglas Fir, Heavy Timber Beam.....	25.57	2.52
06 13 23 00-0029	LF			8" x 8", Douglas Fir, Heavy Timber Beam.....	18.95	2.39
06 13 23 00-0030	LF			8" x 10", Douglas Fir, Heavy Timber Beam.....	26.47	2.47
06 13 23 00-0031	LF			8" x 12", Douglas Fir, Heavy Timber Beam.....	32.48	2.52
06 13 23 00-0032	LF			10" x 10", Douglas Fir, Heavy Timber Beam.....	32.04	2.52
06 13 23 00-0033	LF			10" x 12", Douglas Fir, Heavy Timber Beam.....	39.65	2.74
06 13 23 00-0034	LF			12" x 12", Douglas Fir, Heavy Timber Beam.....	47.05	3.02
<b>06 13 23 00-0035</b>				<b>Pressure Treated, Heavy Timber Beams</b> (06 13 23 00-0002)		
06 13 23 00-0036	LF			4" x 4", Pressure Treated, Heavy Timber Beam.....	6.42	1.95
06 13 23 00-0037	LF			4" x 6", Pressure Treated, Heavy Timber Beam.....	8.10	2.03
06 13 23 00-0038	LF			4" x 8", Pressure Treated, Heavy Timber Beam.....	9.54	2.11
06 13 23 00-0039	LF			4" x 10", Pressure Treated, Heavy Timber Beam.....	12.55	2.25
06 13 23 00-0040	LF			4" x 12", Pressure Treated, Heavy Timber Beam.....	15.01	2.39
06 13 23 00-0041	LF			6" x 6", Pressure Treated, Heavy Timber Beam.....	11.14	2.20
06 13 23 00-0042	LF			6" x 8", Pressure Treated, Heavy Timber Beam.....	13.63	2.31
06 13 23 00-0043	LF			6" x 10", Pressure Treated, Heavy Timber Beam.....	16.33	2.47
06 13 23 00-0044	LF			6" x 12", Pressure Treated, Heavy Timber Beam.....	20.01	2.52
06 13 23 00-0045	LF			8" x 8", Pressure Treated, Heavy Timber Beam.....	20.20	2.39
06 13 23 00-0046	LF			8" x 10", Pressure Treated, Heavy Timber Beam.....	23.44	2.47
06 13 23 00-0047	LF			8" x 12", Pressure Treated, Heavy Timber Beam.....	27.57	2.52
06 13 23 00-0048	LF			10" x 10", Pressure Treated, Heavy Timber Beam.....	27.70	2.52
06 13 23 00-0049	LF			10" x 12", Pressure Treated, Heavy Timber Beam.....	36.62	2.74
06 13 23 00-0050	LF			12" x 12", Pressure Treated, Heavy Timber Beam.....	43.41	3.02
<b>06 13 23 00-0051</b>				<b>Heavy Timber Columns</b> (06 13 23 00-0001)		
<b>06 13 23 00-0052</b>				<b>Pine, Heavy Timber Columns</b> (06 13 23 00-0051)		
06 13 23 00-0053	LF			4" x 4", Pine, Heavy Timber Column.....	5.27	1.03
06 13 23 00-0054	LF			4" x 6", Pine, Heavy Timber Column.....	7.00	1.09
06 13 23 00-0055	LF			4" x 8", Pine, Heavy Timber Column.....	8.67	1.11
06 13 23 00-0056	LF			4" x 10", Pine, Heavy Timber Column.....	12.15	1.19
06 13 23 00-0057	LF			4" x 12", Pine, Heavy Timber Column.....	14.95	1.26
06 13 23 00-0058	LF			6" x 6", Pine, Heavy Timber Column.....	9.54	1.15
06 13 23 00-0059	LF			6" x 8", Pine, Heavy Timber Column.....	12.06	1.20
06 13 23 00-0060	LF			6" x 10", Pine, Heavy Timber Column.....	17.28	1.30
06 13 23 00-0061	LF			6" x 12", Pine, Heavy Timber Column.....	21.30	1.33
06 13 23 00-0062	LF			8" x 8", Pine, Heavy Timber Column.....	15.40	1.26
06 13 23 00-0063	LF			8" x 10", Pine, Heavy Timber Column.....	22.17	1.30
06 13 23 00-0064	LF			8" x 12", Pine, Heavy Timber Column.....	27.55	1.35
06 13 23 00-0065	LF			10" x 10", Pine, Heavy Timber Column.....	27.17	1.35
06 13 23 00-0066	LF			10" x 12", Pine, Heavy Timber Column.....	33.98	1.44
06 13 23 00-0067	LF			12" x 12", Pine, Heavy Timber Column.....	40.48	1.59
<b>06 13 23 00-0068</b>				<b>Douglas Fir, Heavy Timber Columns</b> (06 13 23 00-0051)		
06 13 23 00-0069	LF			4" x 4", Douglas Fir, Heavy Timber Column.....	5.60	1.03
06 13 23 00-0070	LF			4" x 6", Douglas Fir, Heavy Timber Column.....	7.49	1.09
06 13 23 00-0071	LF			4" x 8", Douglas Fir, Heavy Timber Column.....	9.33	1.11
06 13 23 00-0072	LF			4" x 10", Douglas Fir, Heavy Timber Column.....	13.13	1.19
06 13 23 00-0073	LF			4" x 12", Douglas Fir, Heavy Timber Column.....	16.18	1.26
06 13 23 00-0074	LF			6" x 6", Douglas Fir, Heavy Timber Column.....	10.26	1.15
06 13 23 00-0075	LF			6" x 8", Douglas Fir, Heavy Timber Column.....	13.01	1.20
06 13 23 00-0076	LF			6" x 10", Douglas Fir, Heavy Timber Column.....	18.73	1.30
06 13 23 00-0077	LF			6" x 12", Douglas Fir, Heavy Timber Column.....	23.17	1.33
06 13 23 00-0078	LF			8" x 8", Douglas Fir, Heavy Timber Column.....	16.68	1.26
06 13 23 00-0079	LF			8" x 10", Douglas Fir, Heavy Timber Column.....	24.13	1.30
06 13 23 00-0080	LF			8" x 12", Douglas Fir, Heavy Timber Column.....	30.04	1.35
06 13 23 00-0081	LF			10" x 10", Douglas Fir, Heavy Timber Column.....	29.60	1.35
06 13 23 00-0082	LF			10" x 12", Douglas Fir, Heavy Timber Column.....	37.05	1.44
06 13 23 00-0083	LF			12" x 12", Douglas Fir, Heavy Timber Column.....	44.19	1.59
<b>06 13 23 00-0084</b>				<b>Pressure Treated, Heavy Timber Columns</b> (06 13 23 00-0051)		
06 13 23 00-0085	LF			4" x 4", Pressure Treated, Heavy Timber Column.....	4.58	1.03
06 13 23 00-0086	LF			4" x 6", Pressure Treated, Heavy Timber Column.....	6.20	1.09
06 13 23 00-0087	LF			4" x 8", Pressure Treated, Heavy Timber Column.....	7.54	1.11
06 13 23 00-0088	LF			4" x 10", Pressure Treated, Heavy Timber Column.....	10.42	1.19
06 13 23 00-0089	LF			4" x 12", Pressure Treated, Heavy Timber Column.....	12.74	1.26
06 13 23 00-0090	LF			6" x 6", Pressure Treated, Heavy Timber Column.....	9.08	1.15
06 13 23 00-0091	LF			6" x 8", Pressure Treated, Heavy Timber Column.....	11.48	1.20
06 13 23 00-0092	LF			6" x 10", Pressure Treated, Heavy Timber Column.....	13.99	1.30
06 13 23 00-0093	LF			6" x 12", Pressure Treated, Heavy Timber Column.....	17.61	1.33
06 13 23 00-0094	LF			8" x 8", Pressure Treated, Heavy Timber Column.....	17.93	1.26
06 13 23 00-0095	LF			8" x 10", Pressure Treated, Heavy Timber Column.....	21.10	1.30
06 13 23 00-0096	LF			8" x 12", Pressure Treated, Heavy Timber Column.....	25.13	1.35
06 13 23 00-0097	LF			10" x 10", Pressure Treated, Heavy Timber Column.....	25.26	1.35
06 13 23 00-0098	LF			10" x 12", Pressure Treated, Heavy Timber Column.....	34.02	1.44
06 13 23 00-0099	LF			12" x 12", Pressure Treated, Heavy Timber Column.....	40.55	1.59

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry**

06 13 Heavy Timber Construction

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST06 15 Wood Decking (06 10)**06 15 13 Wood Floor Decking** (06 15)06 15 13 00-0001 Wood Deck Systems (06 15 13)

Note: Includes the deck, joists, girders, railing posts 8' on-center, pickets and railing. Excludes ground posts.

06 15 13 00-0002 Pressure Treated Wood Deck System (06 15 13 00-0001)06 15 13 00-0003 2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)

06 15 13 00-0004	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	39.38	6.89
06 15 13 00-0005	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	38.44	6.54
06 15 13 00-0006	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	41.07	7.06
06 15 13 00-0007	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	40.16	6.72

06 15 13 00-0008 2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)

06 15 13 00-0009	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	40.86	7.06
06 15 13 00-0010	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	39.88	6.71
06 15 13 00-0011	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	42.57	7.24
06 15 13 00-0012	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center.....	41.65	6.87

06 15 13 00-0013 2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)

06 15 13 00-0014	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	39.38	6.89
06 15 13 00-0015	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	38.44	6.54
06 15 13 00-0016	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	41.07	7.06
06 15 13 00-0017	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	40.16	6.72

06 15 13 00-0018 Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0001)06 15 13 00-0019 2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0018)

06 15 13 00-0020	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	43.24	6.89
06 15 13 00-0021	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	42.48	6.71
06 15 13 00-0022	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	45.91	7.06
06 15 13 00-0023	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	44.72	6.72

06 15 13 00-0024 2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0018)

06 15 13 00-0025	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	46.92	7.06
06 15 13 00-0026	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	46.12	6.71
06 15 13 00-0027	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	49.81	7.24
06 15 13 00-0028	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	48.66	6.87

06 15 13 00-0029 2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0018)

06 15 13 00-0030	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	44.79	6.89
06 15 13 00-0031	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	44.03	6.54
06 15 13 00-0032	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	47.55	7.06
06 15 13 00-0033	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	47.60	6.72

06 15 13 00-0034 Wood Ramp Systems (06 15 13)

Note: Includes the decking, joists, girders, railing posts at corners and along ramp, pickets and railing. Excludes ground posts.

06 15 13 00-0035 Pressure Treated Wood Ramp System (06 15 13 00-0034)06 15 13 00-0036 2" x 6" Joists, Pressure Treated Wood Ramp System (06 15 13 00-0035)

06 15 13 00-0037	SF	5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	44.88	6.72
06 15 13 00-0038	SF	5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	43.61	6.37
06 15 13 00-0039	SF	2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	46.67	6.89
06 15 13 00-0040	SF	2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	45.42	6.54

06 15 13 00-0041 2" x 8" Joists, Pressure Treated Wood Ramp System (06 15 13 00-0035)

06 15 13 00-0042	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	46.44	6.89
06 15 13 00-0043	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	45.15	6.54
06 15 13 00-0044	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	48.30	7.06
06 15 13 00-0045	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	47.04	6.72

06 15 13 00-0046 2" x 10" Joists, Pressure Treated Wood Ramp System (06 15 13 00-0035)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0047 SF 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	48.07	7.05
06 15 13 00-0048 SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	46.76	6.71
06 15 13 00-0049 SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	49.99	7.24
06 15 13 00-0050 SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	48.69	6.87
<b>06 15 13 00-0051 Redwood With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0034)</small>		
<b>06 15 13 00-0052 2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0051)</small>		
06 15 13 00-0053 SF 5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	48.51	6.72
06 15 13 00-0054 SF 5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	47.41	6.37
06 15 13 00-0055 SF 2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	51.22	6.89
06 15 13 00-0056 SF 2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	49.71	6.54
<b>06 15 13 00-0057 2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0051)</small>		
06 15 13 00-0058 SF 5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	50.30	6.89
06 15 13 00-0059 SF 5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	49.19	6.54
06 15 13 00-0060 SF 2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	53.14	7.06
06 15 13 00-0061 SF 2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	51.60	6.72
<b>06 15 13 00-0062 2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0051)</small>		
06 15 13 00-0063 SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	54.16	7.05
06 15 13 00-0064 SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	53.00	6.71
06 15 13 00-0065 SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	57.24	7.24
06 15 13 00-0066 SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	56.49	6.87
<b>06 15 13 00-0067 Cedar With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0034)</small>		
<b>06 15 13 00-0068 2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0067)</small>		
06 15 13 00-0069 SF 5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	46.17	6.72
06 15 13 00-0070 SF 5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	44.95	6.37
06 15 13 00-0071 SF 2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	48.07	6.89
06 15 13 00-0072 SF 2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	46.88	6.54
<b>06 15 13 00-0073 2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0067)</small>		
06 15 13 00-0074 SF 5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	47.81	6.89
06 15 13 00-0075 SF 5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	46.57	6.54
06 15 13 00-0076 SF 2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	49.78	7.06
06 15 13 00-0077 SF 2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	48.59	6.72
<b>06 15 13 00-0078 2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0067)</small>		
06 15 13 00-0079 SF 5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	49.56	7.05
06 15 13 00-0080 SF 5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	48.28	6.71
06 15 13 00-0081 SF 2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	51.57	7.24
06 15 13 00-0082 SF 2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	50.34	6.87
<b>06 15 13 00-0083 Wood Stair Systems</b> <small>(06 15 13)</small>		
Note: Includes the decking, joists, girders, railing posts at corners and along stairs, pickets and railing. Excludes ground posts.		
<b>06 15 13 00-0084 Pressure Treated Wood Stair System</b> <small>(06 15 13 00-0083)</small>		
<b>06 15 13 00-0085 2" x 10" Joists, Pressure Treated Wood Stair System</b> <small>(06 15 13 00-0084)</small>		
06 15 13 00-0086 RSR 3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	127.53	16.52
06 15 13 00-0087 RSR 3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	125.78	15.69
06 15 13 00-0088 RSR 3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	131.74	16.94
06 15 13 00-0089 RSR 3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	129.17	16.09
06 15 13 00-0090 RSR 3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	133.90	17.35
06 15 13 00-0091 RSR 3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	132.07	16.48
06 15 13 00-0092 RSR 3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	138.34	17.80
06 15 13 00-0093 RSR 3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	135.63	16.90
06 15 13 00-0094 RSR 4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	140.38	18.22
06 15 13 00-0095 RSR 4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	138.44	17.30
06 15 13 00-0096 RSR 4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	145.03	18.69
06 15 13 00-0097 RSR 4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	142.17	17.74
06 15 13 00-0098 RSR 5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	149.76	19.13
06 15 13 00-0099 RSR 5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	147.86	18.17
06 15 13 00-0100 RSR 5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	154.74	19.62
06 15 13 00-0101 RSR 5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System .....	151.84	18.64

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 15 Wood Decking**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0102			<b>2" x 12" Joists, Pressure Treated Wood Stair System</b> <small>(06 15 13 00-0084)</small>		
06 15 13 00-0103	RSR	3'	Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	130.06	16.93
06 15 13 00-0104	RSR	3'	Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	127.54	16.09
06 15 13 00-0105	RSR	3'	Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	134.58	17.37
06 15 13 00-0106	RSR	3'	Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	132.02	16.50
06 15 13 00-0107	RSR	3'-6"	Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	136.57	17.79
06 15 13 00-0108	RSR	3'-6"	Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	133.92	16.90
06 15 13 00-0109	RSR	3'-6"	Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	141.30	18.24
06 15 13 00-0110	RSR	3'-6"	Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	138.63	17.32
06 15 13 00-0111	RSR	4'	Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	143.18	18.67
06 15 13 00-0112	RSR	4'	Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	140.38	17.73
06 15 13 00-0113	RSR	4'	Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	148.14	19.15
06 15 13 00-0114	RSR	4'	Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	145.32	18.20
06 15 13 00-0115	RSR	5'	Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	152.71	19.61
06 15 13 00-0116	RSR	5'	Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	149.87	18.63
06 15 13 00-0117	RSR	5'	Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	158.03	20.11
06 15 13 00-0118	RSR	5'	Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	155.18	19.10
06 15 13 00-0119			<b>Redwood With Pressure Treated Joists, Wood Stair System</b> <small>(06 15 13 00-0083)</small>		
06 15 13 00-0120			<b>2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System</b> <small>(06 15 13 00-0119)</small>		
06 15 13 00-0121	RSR	3'	Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	148.98	16.52
06 15 13 00-0122	RSR	3'	Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	147.04	15.69
06 15 13 00-0123	RSR	3'	Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	154.54	16.94
06 15 13 00-0124	RSR	3'	Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	152.64	16.09
06 15 13 00-0125	RSR	3'-6"	Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	156.43	17.35
06 15 13 00-0126	RSR	3'-6"	Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	154.39	16.48
06 15 13 00-0127	RSR	3'-6"	Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	162.27	17.80
06 15 13 00-0128	RSR	3'-6"	Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	160.27	16.90
06 15 13 00-0129	RSR	4'	Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	163.92	18.22
06 15 13 00-0130	RSR	4'	Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	161.77	17.30
06 15 13 00-0131	RSR	4'	Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	170.04	18.69
06 15 13 00-0132	RSR	4'	Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	167.92	17.74
06 15 13 00-0133	RSR	4'	Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	175.66	19.13
06 15 13 00-0134	RSR	5'	Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	173.52	18.17
06 15 13 00-0135	RSR	5'	Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	182.25	19.62
06 15 13 00-0136	RSR	5'	Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	180.17	18.64
06 15 13 00-0137			<b>2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System</b> <small>(06 15 13 00-0119)</small>		
06 15 13 00-0138	RSR	3'	Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	145.19	16.93
06 15 13 00-0139	RSR	3'	Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	143.21	16.09
06 15 13 00-0140	RSR	3'	Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	150.33	17.37
06 15 13 00-0141	RSR	3'	Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	148.51	16.50
06 15 13 00-0142	RSR	3'-6"	Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	152.45	17.79
06 15 13 00-0143	RSR	3'-6"	Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	150.38	16.90
06 15 13 00-0144	RSR	3'-6"	Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	157.84	18.24
06 15 13 00-0145	RSR	3'-6"	Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	155.94	17.32
06 15 13 00-0146	RSR	4'	Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	159.79	18.67
06 15 13 00-0147	RSR	4'	Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	157.58	17.73
06 15 13 00-0148	RSR	4'	Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	165.42	19.15
06 15 13 00-0149	RSR	4'	Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	163.41	18.20
06 15 13 00-0150	RSR	5'	Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	170.98	19.61
06 15 13 00-0151	RSR	5'	Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	168.78	18.63
06 15 13 00-0152	RSR	5'	Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	177.04	20.11
06 15 13 00-0153	RSR	5'	Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	175.08	19.10
06 15 13 00-0154			<b>Wood Deck And Ramp Systems Repairs</b> <small>(06 15 13)</small>		
			Note: Includes removal of material and screws. Excludes anchors and bolts.		
06 15 13 00-0155			<b>Deck Joist Or Girt</b> <small>(06 15 13 00-0154)</small>		
			See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.		
06 15 13 00-0156			<b>Deck Boards</b> <small>(06 15 13 00-0154)</small>		
			See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.		
06 15 13 00-0157	LF		5/4" x 4" Round Edge Pressure Treated Deck Boards.....	2.07	0.84
06 15 13 00-0158	LF		5/4" x 6" Round Edge Pressure Treated Deck Boards.....	2.28	1.00
06 15 13 00-0159	LF		2" x 4" Round Edge Pressure Treated Deck Boards.....	2.18	1.00
06 15 13 00-0160	LF		2" x 6" Round Edge Pressure Treated Deck Boards.....	2.86	1.15
06 15 13 00-0161	LF		2" x 8" Round Edge Pressure Treated Deck Boards.....	3.64	1.38
06 15 13 00-0162	LF		2" x 10" Round Edge Pressure Treated Deck Boards.....	4.47	1.69
06 15 13 00-0163	LF		2" x 12" Round Edge Pressure Treated Deck Boards.....	5.51	2.00
06 15 13 00-0164	LF		2" x 4" Round Edge Cedar Deck Boards.....	3.03	1.00
06 15 13 00-0165	LF		2" x 6" Round Edge Cedar Deck Boards.....	4.03	1.15
06 15 13 00-0166	LF		2" x 4" Round Edge Redwood Deck Boards.....	3.39	1.00
06 15 13 00-0167	LF		2" x 6" Round Edge Redwood Deck Boards.....	4.57	1.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0168 Deck Posts <small>(06 15 13 00-0154)</small> See CSI section 06 11 16 00-0105 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.		
06 15 13 00-0169 Deck Railing And Pickets <small>(06 15 13 00-0154)</small> See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.		
06 15 13 00-0170 LF 2" x 4" Pressure Treated Deck Railing.....	2.18	1.00
06 15 13 00-0171 LF 2" x 2" Pressure Treated Deck Railing Picket.....	1.79	0.77
06 15 13 00-0172 LF 2" x 4" Cedar Deck Railing.....	3.03	1.00
06 15 13 00-0173 LF 2" x 2" Cedar Deck Railing Picket.....	2.29	0.77
06 15 13 00-0174 LF 2" x 4" Redwood Deck Railing.....	3.39	1.00
06 15 13 00-0175 LF 2" x 2" Redwood Deck Railing Picket.....	2.56	0.77
06 16 Sheathing <small>(06 10)</small>		
06 16 23 Subflooring <small>(06 16)</small>		
06 16 23 00-0001 Board Type Subflooring <small>(06 16 23)</small>		
06 16 23 00-0002 SF 1" x 8" Regular Surface Board Type Subfloor.....	3.42	0.87
Note: 4 Sides Laid In A Regular Pattern.		
For Water Resistant Coating Or Treatment, Add	0.09	
For Foil Backing, Add	0.15	
For Tongue And Groove, Add	0.10	
06 16 23 00-0003 SF 1" x 8" Diagonal Surface Board Type Subfloor.....	3.79	1.10
Note: 4 Sides Laid In A Diagonal Pattern.		
For Water Resistant Coating Or Treatment, Add	0.09	
For Foil Backing, Add	0.15	
For Tongue And Groove, Add	0.10	
06 16 23 00-0004 SF 1" x 10" Regular Surface Board Type Subfloor.....	3.31	0.77
Note: 4 sides laid in a regular pattern.		
For Water Resistant Coating Or Treatment, Add	0.09	
For Foil Backing, Add	0.15	
For Tongue And Groove, Add	0.11	
06 16 23 00-0005 SF 1" x 10" Diagonal Surface Board Type Subfloor.....	3.56	0.87
Note: 4 sides laid in a diagonal pattern.		
For Water Resistant Coating Or Treatment, Add	0.09	
For Foil Backing, Add	0.15	
For Tongue And Groove, Add	0.11	
06 16 33 Wood Board Sheathing <small>(06 16)</small>		
06 16 33 00-0001 Plywood <small>(06 16 33)</small>		
06 16 33 00-0002 Roof Decking <small>(06 16 33 00-0001)</small>		
06 16 33 00-0003 SF 3/8" Thick CDX Plywood Roof Decking.....	2.33	0.55
Note: Applied to wood rafters.		
For Shear Wall Construction, Add	0.26	
For Exterior CC Grade Plywood, Add	0.16	
For Application To Metal Studs, Joists, Or Rafters, Add	0.26	
For ACQ Preservative Treatment, Add	0.50	
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.94	
For Fire Retardant Treatment, Add	0.82	
For >1,696 To 3,200, Deduct	-0.06	
For >3,200 To 6,400, Deduct	-0.09	
For >6,400 To 12,800, Deduct	-0.15	
For >12,800, Deduct	-0.19	
06 16 33 00-0004 SF 1/2" Thick CDX Plywood Roof Decking.....	2.68	0.66
Note: Applied to wood rafters.		
For Shear Wall Construction, Add	0.28	
For Exterior CC Grade Plywood, Add	0.19	
For Application To Metal Studs, Joists, Or Rafters, Add	0.28	
For ACQ Preservative Treatment, Add	0.61	
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.12	
For Fire Retardant Treatment, Add	1.00	
For >1,696 To 3,200, Deduct	-0.08	
For >3,200 To 6,400, Deduct	-0.11	
For >6,400 To 12,800, Deduct	-0.17	
For >12,800, Deduct	-0.22	
06 16 33 00-0005 SF 5/8" Thick CDX Plywood Roof Decking.....	3.02	0.66
Note: Applied to wood rafters.		
For Shear Wall Construction, Add	0.30	
For Exterior CC Grade Plywood, Add	0.23	
For Application To Metal Studs, Joists, Or Rafters, Add	0.30	
For ACQ Preservative Treatment, Add	0.72	
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.27	
For Fire Retardant Treatment, Add	1.19	
For >1,696 To 3,200, Deduct	-0.09	
For >3,200 To 6,400, Deduct	-0.14	
For >6,400 To 12,800, Deduct	-0.20	
For >12,800, Deduct	-0.26	
For Tongue And Groove, Add	0.11	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 16 Sheathing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 16 33 00-0006	SF 3/4" Thick CDX Plywood Roof Decking.....	3.39	0.77
	Note: Applied to wood rafters.		
	For Shear Wall Construction, Add	0.33	
	For Exterior CC Grade Plywood, Add	0.26	
	For Application To Metal Studs, Joists, Or Rafters, Add	0.33	
	For ACQ Preservative Treatment, Add	0.84	
	For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.46	
	For Fire Retardant Treatment, Add	1.38	
	For >1,696 To 3,200, Deduct	-0.11	
	For >3,200 To 6,400, Deduct	-0.16	
	For >6,400 To 12,800, Deduct	-0.23	
	For >12,800, Deduct	-0.29	
	For Tongue And Groove, Add	0.12	
06 16 33 00-0007	SF 1" Thick CDX Plywood Roof Decking.....	4.15	0.87
	Note: Applied to wood rafters.		
	For Shear Wall Construction, Add	0.36	
	For Exterior CC Grade Plywood, Add	0.35	
	For Application To Metal Studs, Joists, Or Rafters, Add	0.36	
	For ACQ Preservative Treatment, Add	1.13	
	For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.69	
	For Fire Retardant Treatment, Add	1.86	
	For >1,696 To 3,200, Deduct	-0.14	
	For >3,200 To 6,400, Deduct	-0.21	
	For >6,400 To 12,800, Deduct	-0.30	
	For >12,800, Deduct	-0.37	
	For Tongue And Groove, Add	0.17	
<b>06 16 33 00-0008</b>	<b>Wall Sheathing</b> <small>(06 16 33 00-0001)</small>		
06 16 33 00-0009	SF 1/4" Interior BC Plywood Wall Sheathing.....	2.67	0.77
	Note: Applied to wall studs.		
	For Shear Wall Construction, Add	0.33	
	For Exterior CC Grade Plywood, Add	0.15	
	For Application To Metal Studs, Joists, Or Rafters, Add	0.33	
	For Ceiling Installation, Add	0.16	
	For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.46	
	For Fire Retardant Treatment, Add	0.81	
	For >1,696 To 3,200, Deduct	-0.06	
	For >3,200 To 6,400, Deduct	-0.09	
	For >6,400 To 12,800, Deduct	-0.15	
	For >12,800, Deduct	-0.21	
06 16 33 00-0010	SF 5/16" Interior BC Plywood Wall Sheathing.....	2.72	0.77
	Note: Applied to wall studs.		
	For Shear Wall Construction, Add	0.33	
	For Exterior CC Grade Plywood, Add	0.16	
	For Application To Metal Studs, Joists, Or Rafters, Add	0.33	
	For Ceiling Installation, Add	0.16	
	For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.46	
	For Fire Retardant Treatment, Add	0.85	
	For >1,696 To 3,200, Deduct	-0.06	
	For >3,200 To 6,400, Deduct	-0.10	
	For >6,400 To 12,800, Deduct	-0.16	
	For >12,800, Deduct	-0.21	
06 16 33 00-0011	SF 3/8" Interior BC Plywood Wall Sheathing.....	2.82	0.87
	Note: Applied to wall studs.		
	For Shear Wall Construction, Add	0.33	
	For Exterior CC Grade Plywood, Add	0.18	
	For Application To Metal Studs, Joists, Or Rafters, Add	0.33	
	For Ceiling Installation, Add	0.16	
	For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.46	
	For Fire Retardant Treatment, Add	0.93	
	For >1,696 To 3,200, Deduct	-0.07	
	For >3,200 To 6,400, Deduct	-0.11	
	For >6,400 To 12,800, Deduct	-0.17	
	For >12,800, Deduct	-0.22	
06 16 33 00-0012	SF 1/2" Interior BC Plywood Wall Sheathing.....	3.23	0.87
	Note: Applied to wall studs.		
	For Shear Wall Construction, Add	0.35	
	For Exterior CC Grade Plywood, Add	0.22	
	For Application To Metal Studs, Joists, Or Rafters, Add	0.35	
	For Ceiling Installation, Add	0.18	
	For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.63	
	For Fire Retardant Treatment, Add	1.17	
	For >1,696 To 3,200, Deduct	-0.09	
	For >3,200 To 6,400, Deduct	-0.13	
	For >6,400 To 12,800, Deduct	-0.21	
	For >12,800, Deduct	-0.27	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0013 SF 5/8" Interior BC Plywood Wall Sheathing.....	3.60	0.99
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.38	
<i>For Exterior CC Grade Plywood, Add</i>	0.26	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.38	
<i>For Ceiling Installation, Add</i>	0.19	
<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	2.82	
<i>For Fire Retardant Treatment, Add</i>	1.36	
<i>For &gt;1,696 To 3,200, Deduct</i>	-0.10	
<i>For &gt;3,200 To 6,400, Deduct</i>	-0.15	
<i>For &gt;6,400 To 12,800, Deduct</i>	-0.24	
<i>For &gt;12,800, Deduct</i>	-0.30	
06 16 33 00-0014 SF 3/4" Interior BC Plywood Wall Sheathing.....	3.98	1.10
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.40	
<i>For Exterior CC Grade Plywood, Add</i>	0.29	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.40	
<i>For Ceiling Installation, Add</i>	0.20	
<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	3.03	
<i>For Fire Retardant Treatment, Add</i>	1.55	
<i>For &gt;1,696 To 3,200, Deduct</i>	-0.12	
<i>For &gt;3,200 To 6,400, Deduct</i>	-0.18	
<i>For &gt;6,400 To 12,800, Deduct</i>	-0.27	
<i>For &gt;12,800, Deduct</i>	-0.34	
<b>06 16 33 00-0015 Floor Decking</b> <small>(06 16 33 00-0001)</small>		
Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0016 SF 5/16" CD Grade Plywood Floor Decking.....	1.98	0.66
Note: Applied to floor or joists.		
<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.85	
<i>For Fire Retardant Treatment, Add</i>	0.59	
<i>For &gt;1,696 To 3,200, Deduct</i>	-0.05	
<i>For &gt;3,200 To 6,400, Deduct</i>	-0.07	
<i>For &gt;6,400 To 12,800, Deduct</i>	-0.11	
<i>For &gt;12,800, Deduct</i>	-0.15	
<i>For ACQ Preservative Treatment, Add</i>	0.36	
<i>For Fir Plywood, Add</i>	0.14	
<i>For BC Grade Plywood, Add</i>	0.11	
<i>For Exterior Glue, Add</i>	0.07	
<i>For Marine Grade, Add</i>	0.59	
06 16 33 00-0017 SF 3/8" CD Grade Plywood Floor Decking.....	2.15	0.66
Note: Applied to floor or joists.		
<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.95	
<i>For Fire Retardant Treatment, Add</i>	0.67	
<i>For &gt;1,696 To 3,200, Deduct</i>	-0.05	
<i>For &gt;3,200 To 6,400, Deduct</i>	-0.08	
<i>For &gt;6,400 To 12,800, Deduct</i>	-0.13	
<i>For &gt;12,800, Deduct</i>	-0.17	
<i>For ACQ Preservative Treatment, Add</i>	0.41	
<i>For Fir Plywood, Add</i>	0.16	
<i>For BC Grade Plywood, Add</i>	0.13	
<i>For Exterior Glue, Add</i>	0.08	
<i>For Marine Grade, Add</i>	0.67	
06 16 33 00-0018 SF 1/2" CD Grade Plywood Floor Decking.....	2.50	0.66
Note: Applied to floor or joists.		
<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	2.06	
<i>For Fire Retardant Treatment, Add</i>	0.89	
<i>For &gt;1,696 To 3,200, Deduct</i>	-0.07	
<i>For &gt;3,200 To 6,400, Deduct</i>	-0.10	
<i>For &gt;6,400 To 12,800, Deduct</i>	-0.16	
<i>For &gt;12,800, Deduct</i>	-0.20	
<i>For ACQ Preservative Treatment, Add</i>	0.54	
<i>For Fir Plywood, Add</i>	0.21	
<i>For BC Grade Plywood, Add</i>	0.17	
<i>For Exterior Glue, Add</i>	0.11	
<i>For Marine Grade, Add</i>	0.88	
06 16 33 00-0019 SF 5/8" CD Grade Plywood Floor Decking.....	2.80	0.66
Note: Applied to floor or joists.		
<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	2.24	
<i>For Fire Retardant Treatment, Add</i>	1.03	
<i>For &gt;1,696 To 3,200, Deduct</i>	-0.08	
<i>For &gt;3,200 To 6,400, Deduct</i>	-0.12	
<i>For &gt;6,400 To 12,800, Deduct</i>	-0.18	
<i>For &gt;12,800, Deduct</i>	-0.23	
<i>For ACQ Preservative Treatment, Add</i>	0.63	
<i>For Fir Plywood, Add</i>	0.24	
<i>For BC Grade Plywood, Add</i>	0.19	
<i>For Exterior Glue, Add</i>	0.12	
<i>For Marine Grade, Add</i>	1.03	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 16 Sheathing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 16 33 00-0020	SF 3/4" CD Grade Plywood Floor Decking.....	3.25	0.66
	Note: Applied to floor or joists.		
	For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.37	
	For Fire Retardant Treatment, Add	1.32	
	For >1,696 To 3,200, Deduct	-0.10	
	For >3,200 To 6,400, Deduct	-0.15	
	For >6,400 To 12,800, Deduct	-0.22	
	For >12,800, Deduct	-0.28	
	For ACQ Preservative Treatment, Add	0.80	
	For Fir Plywood, Add	0.31	
	For BC Grade Plywood, Add	0.25	
	For Exterior Glue, Add	0.16	
	For Marine Grade, Add	1.31	
06 16 33 00-0021	SF 1-1/8" CD Grade Plywood Floor Decking.....	5.06	0.99
	Note: Applied to floor or joists.		
	For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.84	
	For Fire Retardant Treatment, Add	2.50	
	For >1,696 To 3,200, Deduct	-0.19	
	For >3,200 To 6,400, Deduct	-0.29	
	For >6,400 To 12,800, Deduct	-0.40	
	For >12,800, Deduct	-0.47	
	For ACQ Preservative Treatment, Add	1.52	
	For Fir Plywood, Add	0.59	
	For BC Grade Plywood, Add	0.47	
	For Exterior Glue, Add	0.29	
	For Marine Grade, Add	2.48	
06 16 33 00-0022	SF 1/2" AC Fir Plywood Floor Decking.....	3.18	0.66
	Note: Applied to floor or joists.		
	For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.06	
	For Fire Retardant Treatment, Add	1.43	
	For >1,696 To 3,200, Deduct	-0.11	
	For >3,200 To 6,400, Deduct	-0.16	
	For >6,400 To 12,800, Deduct	-0.23	
	For >12,800, Deduct	-0.29	
	For ACQ Preservative Treatment, Add	0.87	
	For Exterior Glue, Add	0.17	
	For Marine Grade, Add	1.42	
	For Tongue And Groove, Add	0.13	
06 16 33 00-0023	SF 5/8" AC Fir Plywood Floor Decking.....	3.52	0.66
	Note: Applied to floor or joists.		
	For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.24	
	For Fire Retardant Treatment, Add	1.60	
	For >1,696 To 3,200, Deduct	-0.12	
	For >3,200 To 6,400, Deduct	-0.18	
	For >6,400 To 12,800, Deduct	-0.26	
	For >12,800, Deduct	-0.32	
	For ACQ Preservative Treatment, Add	0.97	
	For Exterior Glue, Add	0.19	
	For Marine Grade, Add	1.59	
	For Tongue And Groove, Add	0.14	
06 16 33 00-0024	SF 3/4" AC Fir Plywood Floor Decking.....	3.79	0.66
	Note: Applied to floor or joists.		
	For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.39	
	For Fire Retardant Treatment, Add	1.74	
	For >1,696 To 3,200, Deduct	-0.13	
	For >3,200 To 6,400, Deduct	-0.20	
	For >6,400 To 12,800, Deduct	-0.28	
	For >12,800, Deduct	-0.34	
	For ACQ Preservative Treatment, Add	1.06	
	For Exterior Glue, Add	0.20	
	For Marine Grade, Add	1.72	
	For Tongue And Groove, Add	0.15	
06 16 33 00-0025	<b>Underlayment Grade</b> (06 16 33 00-0001)		
	Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0026	SF 1/4" Thick Plywood Underlayment BC Grade.....	2.16	0.66
	For Fire Retardant Treatment, Add	0.70	
	For >1,696 To 3,200, Deduct	-0.05	
	For >3,200 To 6,400, Deduct	-0.08	
	For >6,400 To 12,800, Deduct	-0.11	
	For >12,800, Deduct	-0.17	
06 16 33 00-0027	SF 3/8" Thick Plywood Underlayment BC Grade.....	2.30	0.66
	For Fire Retardant Treatment, Add	0.77	
	For >1,696 To 3,200, Deduct	-0.06	
	For >3,200 To 6,400, Deduct	-0.09	
	For >6,400 To 12,800, Deduct	-0.12	
	For >12,800, Deduct	-0.18	
06 16 33 00-0028	SF 1/2" Thick Plywood Underlayment BC Grade.....	2.41	0.77
	For Fire Retardant Treatment, Add	0.83	
	For >1,696 To 3,200, Deduct	-0.06	
	For >3,200 To 6,400, Deduct	-0.09	
	For >6,400 To 12,800, Deduct	-0.13	
	For >12,800, Deduct	-0.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0029 SF 5/8" Thick Plywood Underlayment BC Grade .....	2.76	0.77
For Fire Retardant Treatment, Add	0.99	
For >1,696 To 3,200, Deduct	-0.08	
For >3,200 To 6,400, Deduct	-0.11	
For >6,400 To 12,800, Deduct	-0.15	
For >12,800, Deduct	-0.23	
For Tongue And Groove, Add	0.09	
06 16 33 00-0030 SF 3/4" Thick Plywood Underlayment BC Grade .....	3.02	0.77
For Fire Retardant Treatment, Add	1.19	
For >1,696 To 3,200, Deduct	-0.09	
For >3,200 To 6,400, Deduct	-0.14	
For >6,400 To 12,800, Deduct	-0.17	
For >12,800, Deduct	-0.26	
For Tongue And Groove, Add	0.11	
06 16 33 00-0031 SF 1-1/8" Thick Plywood Underlayment BC Grade .....	4.00	0.87
For Fire Retardant Treatment, Add	1.82	
For >1,696 To 3,200, Deduct	-0.14	
For >3,200 To 6,400, Deduct	-0.21	
For >6,400 To 12,800, Deduct	-0.25	
For >12,800, Deduct	-0.36	
For Tongue And Groove, Add	0.16	
06 16 33 00-0032 SF 3/8" Thick CDX Plywood Underlayment Grade .....	2.51	0.66
For Fire Retardant Treatment, Add	0.93	
For >1,696 To 3,200, Deduct	-0.07	
For >3,200 To 6,400, Deduct	-0.11	
For >6,400 To 12,800, Deduct	-0.14	
For >12,800, Deduct	-0.21	
06 16 33 00-0033 SF 5/8" Thick CDX Plywood Underlayment Grade .....	3.28	0.77
For Fire Retardant Treatment, Add	1.41	
For >1,696 To 3,200, Deduct	-0.11	
For >3,200 To 6,400, Deduct	-0.16	
For >6,400 To 12,800, Deduct	-0.20	
For >12,800, Deduct	-0.29	
<b>06 16 33 00-0034 Oriented Strand Board</b> <small>(06 16 33)</small>		
<b>06 16 33 00-0035 On Roof</b> <small>(06 16 33 00-0034)</small>		
06 16 33 00-0036 SF 3/8" Thick Structural Oriented Strand Board (OSB) On Roof .....	2.00	0.66
For >1,408 To 3,200, Deduct	-0.04	
For >3,200 To 6,400, Deduct	-0.06	
For >6,400 To 12,800, Deduct	-0.11	
For >12,800, Deduct	-0.15	
For Fire Retardant Treatment, Add	0.56	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.94	
06 16 33 00-0037 SF 1/2" Thick Structural Oriented Strand Board (OSB) On Roof .....	2.24	0.66
For >1,408 To 3,200, Deduct	-0.05	
For >3,200 To 6,400, Deduct	-0.07	
For >6,400 To 12,800, Deduct	-0.13	
For >12,800, Deduct	-0.17	
For Fire Retardant Treatment, Add	0.66	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.12	
06 16 33 00-0038 SF 5/8" Thick Structural Oriented Strand Board (OSB) On Roof .....	2.71	0.77
For >1,408 To 3,200, Deduct	-0.07	
For >3,200 To 6,400, Deduct	-0.11	
For >6,400 To 12,800, Deduct	-0.17	
For >12,800, Deduct	-0.22	
For Fire Retardant Treatment, Add	0.95	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.27	
06 16 33 00-0039 SF 3/4" Thick Structural Oriented Strand Board (OSB) On Roof .....	3.23	0.77
For >1,408 To 3,200, Deduct	-0.10	
For >3,200 To 6,400, Deduct	-0.14	
For >6,400 To 12,800, Deduct	-0.22	
For >12,800, Deduct	-0.27	
For Fire Retardant Treatment, Add	1.26	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.46	
<b>06 16 33 00-0040 On Walls</b> <small>(06 16 33 00-0034)</small>		
06 16 33 00-0041 SF 3/8" Thick Structural Oriented Strand Board (OSB) On Walls .....	2.35	0.77
For >1,408 To 3,200, Deduct	-0.04	
For >3,200 To 6,400, Deduct	-0.06	
For >6,400 To 12,800, Deduct	-0.12	
For >12,800, Deduct	-0.17	
For Fire Retardant Treatment, Add	0.56	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.46	
06 16 33 00-0042 SF 1/2" Thick Structural Oriented Strand Board (OSB) On Walls .....	2.58	0.87
For >1,408 To 3,200, Deduct	-0.05	
For >3,200 To 6,400, Deduct	-0.07	
For >6,400 To 12,800, Deduct	-0.14	
For >12,800, Deduct	-0.19	
For Fire Retardant Treatment, Add	0.66	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.63	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 16 Sheathing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0043	SF		5/8" Thick Structural Oriented Strand Board (OSB) On Walls.....	3.08	0.99
			<i>For &gt;1,408 To 3,200, Deduct</i>	-0.07	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.11	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.18	
			<i>For &gt;12,800, Deduct</i>	-0.24	
			<i>For Fire Retardant Treatment, Add</i>	0.95	
			<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.82	
06 16 33 00-0044	SF		3/4" Thick Structural Oriented Strand Board (OSB) On Walls.....	3.61	0.99
			<i>For &gt;1,408 To 3,200, Deduct</i>	-0.10	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.14	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.23	
			<i>For &gt;12,800, Deduct</i>	-0.29	
			<i>For Fire Retardant Treatment, Add</i>	1.26	
			<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	3.03	
<b>06 16 33 00-0045</b>			<b>On Floors</b> <small>(06 16 33 00-0034)</small>		
			Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0046	SF		3/8" Thick Structural Oriented Strand Board (OSB) On Floors .....	2.03	0.66
			<i>For &gt;1,408 To 3,200, Deduct</i>	-0.04	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.06	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.11	
			<i>For &gt;12,800, Deduct</i>	-0.15	
			<i>For Fire Retardant Treatment, Add</i>	0.56	
			<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.98	
06 16 33 00-0047	SF		1/2" Thick Structural Oriented Strand Board (OSB) On Floors .....	2.42	0.77
			<i>For &gt;1,408 To 3,200, Deduct</i>	-0.05	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.07	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.13	
			<i>For &gt;12,800, Deduct</i>	-0.18	
			<i>For Fire Retardant Treatment, Add</i>	0.66	
			<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.39	
06 16 33 00-0048	SF		5/8" Thick Structural Oriented Strand Board (OSB) On Floors .....	2.92	0.87
			<i>For &gt;1,408 To 3,200, Deduct</i>	-0.07	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.11	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.18	
			<i>For &gt;12,800, Deduct</i>	-0.23	
			<i>For Fire Retardant Treatment, Add</i>	0.95	
			<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.58	
06 16 33 00-0049	SF		3/4" Thick Structural Oriented Strand Board (OSB) On Floors .....	3.47	0.99
			<i>For &gt;1,408 To 3,200, Deduct</i>	-0.10	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.14	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.22	
			<i>For &gt;12,800, Deduct</i>	-0.28	
			<i>For Fire Retardant Treatment, Add</i>	1.26	
			<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.82	
<b>06 16 33 00-0050</b>			<b>Particle Board</b> <small>(06 16 33)</small>		
<b>06 16 33 00-0051</b>			<b>Particle Board Floor Decking</b> <small>(06 16 33 00-0050)</small>		
			Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0052	SF		3/8" Particle Board Floor Decking.....	1.99	0.55
			Note: Applied to plywood subfloor.		
			<i>For Fire Retardant Treatment Add</i>	0.55	
			<i>For &gt;1,536 To 3,200, Deduct</i>	-0.04	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.06	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.11	
			<i>For &gt;12,800, Deduct</i>	-0.15	
			<i>For Tongue And Groove, Add</i>	0.05	
06 16 33 00-0053	SF		1/2" Particle Board Floor Decking.....	2.33	0.55
			Note: Applied to plywood subfloor.		
			<i>For Fire Retardant Treatment Add</i>	0.76	
			<i>For &gt;1,536 To 3,200, Deduct</i>	-0.06	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.09	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.14	
			<i>For &gt;12,800, Deduct</i>	-0.18	
			<i>For Tongue And Groove, Add</i>	0.07	
06 16 33 00-0054	SF		5/8" Particle Board Floor Decking.....	2.65	0.66
			Note: Applied to plywood subfloor.		
			<i>For Fire Retardant Treatment Add</i>	0.96	
			<i>For &gt;1,536 To 3,200, Deduct</i>	-0.07	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.11	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.17	
			<i>For &gt;12,800, Deduct</i>	-0.22	
			<i>For Tongue And Groove, Add</i>	0.08	
06 16 33 00-0055	SF		3/4" Particle Board Floor Decking.....	2.94	0.66
			Note: Applied to plywood subfloor.		
			<i>For Fire Retardant Treatment Add</i>	1.11	
			<i>For &gt;1,536 To 3,200, Deduct</i>	-0.08	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.13	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.19	
			<i>For &gt;12,800, Deduct</i>	-0.25	
			<i>For Tongue And Groove, Add</i>	0.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**06 16 43 Gypsum Sheathing** (06 16)

**06 16 43 00-0001 Exterior Gypsum Sheathing** (06 16 43)

Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.

06 16 43 00-0002	SF	1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold).....	2.96	
		<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i>	2.63	
		<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.35	
		<i>For Ceiling Installation, Add</i>	0.18	
		<i>For &gt;1,696 To 3,200, Deduct</i>	-0.07	
		<i>For &gt;3,200 To 6,400, Deduct</i>	-0.11	
		<i>For &gt;6,400 To 12,800, Deduct</i>	-0.18	
		<i>For &gt;12,800, Deduct</i>	-0.23	
06 16 43 00-0003	SF	5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold).....	3.20	1.10
		<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i>	2.82	
		<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.38	
		<i>For Ceiling Installation, Add</i>	0.19	
		<i>For &gt;1,696 To 3,200, Deduct</i>	-0.08	
		<i>For &gt;3,200 To 6,400, Deduct</i>	-0.12	
		<i>For &gt;6,400 To 12,800, Deduct</i>	-0.19	
		<i>For &gt;12,800, Deduct</i>	-0.25	

**06 17 Shop-Fabricated Structural Wood** (06 10)

**06 17 13 Laminated Veneer Lumber** (06 17)

**06 17 13 00-0001 Laminated Veneer Lumber (LVL)** (06 17 13)

06 17 13 00-0002	LF	1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL) .....	9.04	1.90
06 17 13 00-0003	LF	1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL) .....	10.03	1.93
06 17 13 00-0004	LF	1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL) .....	11.19	1.96
06 17 13 00-0005	LF	1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL) .....	12.65	1.99
06 17 13 00-0006	LF	1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL).....	13.74	2.02
06 17 13 00-0007	LF	1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL).....	15.26	2.09
06 17 13 00-0008	LF	1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL).....	17.47	2.12
06 17 13 00-0009	LF	1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL).....	24.31	2.42

**06 17 23 Parallel Strand Lumber** (06 17)

**06 17 23 00-0001 Laminated Strand Lumber (LSL)** (06 17 23)

06 17 23 00-0002	LF	2" x 4" Laminated Strand Lumber (LSL) .....	3.14	0.87
06 17 23 00-0003	LF	2" x 6" Laminated Strand Lumber (LSL) .....	4.39	0.94

**06 17 33 Wood I-Joists** (06 17)

**06 17 33 00-0001 Prefabricated Wood I-Joists** (06 17 33)

06 17 33 00-0002	LF	9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length .....	5.73	1.33
		<i>For I-Joists 30' To 40' In Length, Add</i>	0.58	
		<i>For I-Joists &gt;40' In Length, Add</i>	1.43	
06 17 33 00-0003	LF	11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length .....	6.15	1.47
		<i>For I-Joists 30' To 40' In Length, Add</i>	0.65	
		<i>For I-Joists &gt;40' In Length, Add</i>	1.59	
06 17 33 00-0004	LF	14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length .....	7.23	1.66
		<i>For I-Joists 30' To 40' In Length, Add</i>	0.73	
		<i>For I-Joists &gt;40' In Length, Add</i>	1.79	
06 17 33 00-0005	LF	16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length .....	8.17	1.84
		<i>For I-Joists 30' To 40' In Length, Add</i>	0.81	
		<i>For I-Joists &gt;40' In Length, Add</i>	1.99	

**06 17 43 Rim Boards** (06 17)

**06 17 43 00-0001 Oriented Strand Board (OSB) Rim Board** (06 17 43)

06 17 43 00-0002	LF	1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board.....	7.02	1.96
06 17 43 00-0003	LF	1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board .....	7.79	1.99
06 17 43 00-0004	LF	1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board .....	8.71	2.02

**06 17 53 Shop-Fabricated Wood Trusses** (06 17)

Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.

**06 17 53 00-0001 Pre-Assembled Wood Roof Trusses** (06 17 53)

Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0002	EA	10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	211.52	77.31
		<i>For Up To 15, Add</i>	4.27	
		<i>For &gt;35, Deduct</i>	-2.85	
		<i>For 3 In 12 Slope, Add</i>	1.71	
		<i>For 5 In 12 Slope, Add</i>	4.55	
		<i>For 6 In 12 Slope, Add</i>	8.54	
		<i>For 7 In 12 Slope, Add</i>	11.38	
		<i>For 8 In 12 Slope, Add</i>	13.66	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0003	EA	12'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	235.80	84.66
			<i>For Up To 15, Add</i>	4.99	
			<i>For &gt;35, Deduct</i>	-3.32	
			<i>For 3 In 12 Slope, Add</i>	1.99	
			<i>For 5 In 12 Slope, Add</i>	5.32	
			<i>For 6 In 12 Slope, Add</i>	9.97	
			<i>For 7 In 12 Slope, Add</i>	13.29	
			<i>For 8 In 12 Slope, Add</i>	15.95	
06 17 53 00-0004	EA	14'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	264.03	92.03
			<i>For Up To 15, Add</i>	6.00	
			<i>For &gt;35, Deduct</i>	-4.00	
			<i>For 3 In 12 Slope, Add</i>	2.40	
			<i>For 5 In 12 Slope, Add</i>	6.40	
			<i>For 6 In 12 Slope, Add</i>	12.00	
			<i>For 7 In 12 Slope, Add</i>	16.00	
			<i>For 8 In 12 Slope, Add</i>	19.20	
06 17 53 00-0005	EA	16'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	302.72	99.39
			<i>For Up To 15, Add</i>	7.80	
			<i>For &gt;35, Deduct</i>	-5.20	
			<i>For 3 In 12 Slope, Add</i>	3.12	
			<i>For 5 In 12 Slope, Add</i>	8.32	
			<i>For 6 In 12 Slope, Add</i>	15.59	
			<i>For 7 In 12 Slope, Add</i>	20.79	
			<i>For 8 In 12 Slope, Add</i>	24.95	
06 17 53 00-0006	EA	18'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	335.40	106.75
			<i>For Up To 15, Add</i>	9.14	
			<i>For &gt;35, Deduct</i>	-6.09	
			<i>For 3 In 12 Slope, Add</i>	3.66	
			<i>For 5 In 12 Slope, Add</i>	9.75	
			<i>For 6 In 12 Slope, Add</i>	18.28	
			<i>For 7 In 12 Slope, Add</i>	24.38	
			<i>For 8 In 12 Slope, Add</i>	29.25	
06 17 53 00-0007	EA	20'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	349.40	117.80
			<i>For Up To 15, Add</i>	8.54	
			<i>For &gt;35, Deduct</i>	-5.69	
			<i>For 3 In 12 Slope, Add</i>	3.41	
			<i>For 5 In 12 Slope, Add</i>	9.10	
			<i>For 6 In 12 Slope, Add</i>	17.07	
			<i>For 7 In 12 Slope, Add</i>	22.76	
			<i>For 8 In 12 Slope, Add</i>	27.31	
06 17 53 00-0008	EA	22'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	367.45	187.74
			<i>For Up To 15, Add</i>	8.78	
			<i>For &gt;35, Deduct</i>	-5.86	
			<i>For 3 In 12 Slope, Add</i>	3.51	
			<i>For 5 In 12 Slope, Add</i>	9.37	
			<i>For 6 In 12 Slope, Add</i>	17.57	
			<i>For 7 In 12 Slope, Add</i>	23.43	
			<i>For 8 In 12 Slope, Add</i>	28.11	
06 17 53 00-0009	EA	24'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	392.10	132.52
			<i>For Up To 15, Add</i>	9.53	
			<i>For &gt;35, Deduct</i>	-6.35	
			<i>For 3 In 12 Slope, Add</i>	3.81	
			<i>For 5 In 12 Slope, Add</i>	10.16	
			<i>For 6 In 12 Slope, Add</i>	19.06	
			<i>For 7 In 12 Slope, Add</i>	25.41	
			<i>For 8 In 12 Slope, Add</i>	30.49	
06 17 53 00-0010	EA	26'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	417.84	209.82
			<i>For Up To 15, Add</i>	10.36	
			<i>For &gt;35, Deduct</i>	-6.90	
			<i>For 3 In 12 Slope, Add</i>	4.14	
			<i>For 5 In 12 Slope, Add</i>	11.05	
			<i>For 6 In 12 Slope, Add</i>	20.71	
			<i>For 7 In 12 Slope, Add</i>	27.61	
			<i>For 8 In 12 Slope, Add</i>	33.14	
06 17 53 00-0011	EA	28'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	445.00	147.24
			<i>For Up To 15, Add</i>	11.29	
			<i>For &gt;35, Deduct</i>	-7.53	
			<i>For 3 In 12 Slope, Add</i>	4.52	
			<i>For 5 In 12 Slope, Add</i>	12.04	
			<i>For 6 In 12 Slope, Add</i>	22.58	
			<i>For 7 In 12 Slope, Add</i>	30.10	
			<i>For 8 In 12 Slope, Add</i>	36.12	
06 17 53 00-0012	EA	30'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	464.49	231.91
			<i>For Up To 15, Add</i>	11.65	
			<i>For &gt;35, Deduct</i>	-7.76	
			<i>For 3 In 12 Slope, Add</i>	4.66	
			<i>For 5 In 12 Slope, Add</i>	12.42	
			<i>For 6 In 12 Slope, Add</i>	23.29	
			<i>For 7 In 12 Slope, Add</i>	31.06	
			<i>For 8 In 12 Slope, Add</i>	37.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0013 EA 32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	487.38	158.28
For Up To 15, Add	12.81	
For >35, Deduct	-8.54	
For 3 In 12 Slope, Add	5.12	
For 5 In 12 Slope, Add	13.66	
For 6 In 12 Slope, Add	25.62	
For 7 In 12 Slope, Add	34.16	
For 8 In 12 Slope, Add	40.99	
06 17 53 00-0014 EA 34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	536.11	248.55
For Up To 15, Add	15.36	
For >35, Deduct	-10.24	
For 3 In 12 Slope, Add	6.14	
For 5 In 12 Slope, Add	16.38	
For 6 In 12 Slope, Add	30.72	
For 7 In 12 Slope, Add	40.96	
For 8 In 12 Slope, Add	49.15	
06 17 53 00-0015 EA 36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	559.58	169.33
For Up To 15, Add	16.57	
For >35, Deduct	-11.05	
For 3 In 12 Slope, Add	6.63	
For 5 In 12 Slope, Add	17.67	
For 6 In 12 Slope, Add	33.14	
For 7 In 12 Slope, Add	44.18	
For 8 In 12 Slope, Add	53.02	
06 17 53 00-0016 EA 38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	589.39	265.04
For Up To 15, Add	17.70	
For >35, Deduct	-11.80	
For 3 In 12 Slope, Add	7.08	
For 5 In 12 Slope, Add	18.88	
For 6 In 12 Slope, Add	35.40	
For 7 In 12 Slope, Add	47.20	
For 8 In 12 Slope, Add	56.64	
06 17 53 00-0017 EA 40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	609.18	184.05
For Up To 15, Add	18.08	
For >35, Deduct	-12.05	
For 3 In 12 Slope, Add	7.23	
For 5 In 12 Slope, Add	19.28	
For 6 In 12 Slope, Add	36.16	
For 7 In 12 Slope, Add	48.21	
For 8 In 12 Slope, Add	57.85	
06 17 53 00-0018 EA 42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	674.86	287.13
For Up To 15, Add	21.90	
For >35, Deduct	-14.60	
For 3 In 12 Slope, Add	8.76	
For 5 In 12 Slope, Add	23.36	
For 6 In 12 Slope, Add	43.80	
For 7 In 12 Slope, Add	58.41	
For 8 In 12 Slope, Add	70.09	
06 17 53 00-0019 EA 44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	739.18	198.78
For Up To 15, Add	25.62	
For >35, Deduct	-17.08	
For 3 In 12 Slope, Add	10.25	
For 5 In 12 Slope, Add	27.33	
For 6 In 12 Slope, Add	51.24	
For 7 In 12 Slope, Add	68.32	
For 8 In 12 Slope, Add	81.99	
06 17 53 00-0020 EA 46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	764.91	206.15
For Up To 15, Add	26.45	
For >35, Deduct	-17.63	
For 3 In 12 Slope, Add	10.58	
For 5 In 12 Slope, Add	28.21	
For 6 In 12 Slope, Add	52.89	
For 7 In 12 Slope, Add	70.52	
For 8 In 12 Slope, Add	84.63	
06 17 53 00-0021 EA 48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	803.95	213.51
For Up To 15, Add	28.27	
For >35, Deduct	-18.85	
For 3 In 12 Slope, Add	11.31	
For 5 In 12 Slope, Add	30.16	
For 6 In 12 Slope, Add	56.54	
For 7 In 12 Slope, Add	75.39	
For 8 In 12 Slope, Add	90.47	
06 17 53 00-0022 EA 50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	924.24	220.86
For Up To 15, Add	36.19	
For >35, Deduct	-24.13	
For 3 In 12 Slope, Add	14.48	
For 5 In 12 Slope, Add	38.60	
For 6 In 12 Slope, Add	72.38	
For 7 In 12 Slope, Add	96.50	
For 8 In 12 Slope, Add	115.80	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0023 EA 52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	873.29	198.63
For Up To 15, Add	32.37	
For >35, Deduct	-21.58	
For 3 In 12 Slope, Add	12.95	
For 5 In 12 Slope, Add	34.52	
For 6 In 12 Slope, Add	64.73	
For 7 In 12 Slope, Add	86.31	
For 8 In 12 Slope, Add	103.57	
06 17 53 00-0024 EA 54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	916.21	231.91
For Up To 15, Add	33.93	
For >35, Deduct	-22.62	
For 3 In 12 Slope, Add	13.57	
For 5 In 12 Slope, Add	36.19	
For 6 In 12 Slope, Add	67.86	
For 7 In 12 Slope, Add	90.48	
For 8 In 12 Slope, Add	108.57	
06 17 53 00-0025 EA 56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	953.17	214.97
For Up To 15, Add	35.60	
For >35, Deduct	-23.73	
For 3 In 12 Slope, Add	14.24	
For 5 In 12 Slope, Add	37.97	
For 6 In 12 Slope, Add	71.19	
For 7 In 12 Slope, Add	94.92	
For 8 In 12 Slope, Add	113.91	
06 17 53 00-0026 EA 58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	986.89	242.96
For Up To 15, Add	37.57	
For >35, Deduct	-25.05	
For 3 In 12 Slope, Add	15.03	
For 5 In 12 Slope, Add	40.08	
For 6 In 12 Slope, Add	75.15	
For 7 In 12 Slope, Add	100.20	
For 8 In 12 Slope, Add	120.24	
06 17 53 00-0027 EA 60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	1,007.82	246.63
For Up To 15, Add	38.59	
For >35, Deduct	-25.73	
For 3 In 12 Slope, Add	15.44	
For 5 In 12 Slope, Add	41.16	
For 6 In 12 Slope, Add	77.18	
For 7 In 12 Slope, Add	102.91	
For 8 In 12 Slope, Add	123.49	
<b>06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses</b> <small>(06 17 53)</small>		
Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.		
06 17 53 00-0029 EA 10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	218.75	77.31
For 3 In 12 Slope, Add	1.92	
For 5 In 12 Slope, Add	5.13	
For 6 In 12 Slope, Add	9.62	
For 7 In 12 Slope, Add	12.83	
For 8 In 12 Slope, Add	15.39	
For 16" On Center Gable Studs, Add	12.83	
06 17 53 00-0030 EA 12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	244.25	84.66
For 3 In 12 Slope, Add	2.25	
For 5 In 12 Slope, Add	5.99	
For 6 In 12 Slope, Add	11.24	
For 7 In 12 Slope, Add	14.98	
For 8 In 12 Slope, Add	17.98	
For 16" On Center Gable Studs, Add	14.98	
06 17 53 00-0031 EA 14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	274.21	92.03
For 3 In 12 Slope, Add	2.70	
For 5 In 12 Slope, Add	7.21	
For 6 In 12 Slope, Add	13.52	
For 7 In 12 Slope, Add	18.03	
For 8 In 12 Slope, Add	21.64	
For 16" On Center Gable Studs, Add	18.03	
06 17 53 00-0032 EA 16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	315.93	99.39
For 3 In 12 Slope, Add	3.51	
For 5 In 12 Slope, Add	9.37	
For 6 In 12 Slope, Add	17.57	
For 7 In 12 Slope, Add	23.43	
For 8 In 12 Slope, Add	28.12	
For 16" On Center Gable Studs, Add	23.43	
06 17 53 00-0033 EA 18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	350.90	106.75
For 3 In 12 Slope, Add	4.12	
For 5 In 12 Slope, Add	10.99	
For 6 In 12 Slope, Add	20.61	
For 7 In 12 Slope, Add	27.48	
For 8 In 12 Slope, Add	32.97	
For 16" On Center Gable Studs, Add	27.48	
06 17 53 00-0034 EA 20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	380.15	117.80
For 3 In 12 Slope, Add	4.34	
For 5 In 12 Slope, Add	11.56	
For 6 In 12 Slope, Add	21.68	
For 7 In 12 Slope, Add	28.91	
For 8 In 12 Slope, Add	34.69	
For 16" On Center Gable Studs, Add	28.91	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0035 EA 22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	399.09	125.16
<i>For 3 In 12 Slope, Add</i>	4.46	
<i>For 5 In 12 Slope, Add</i>	11.90	
<i>For 6 In 12 Slope, Add</i>	22.32	
<i>For 7 In 12 Slope, Add</i>	29.75	
<i>For 8 In 12 Slope, Add</i>	35.70	
<i>For 16" On Center Gable Studs, Add</i>	29.75	
06 17 53 00-0036 EA 24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	426.42	132.52
<i>For 3 In 12 Slope, Add</i>	4.84	
<i>For 5 In 12 Slope, Add</i>	12.91	
<i>For 6 In 12 Slope, Add</i>	24.21	
<i>For 7 In 12 Slope, Add</i>	32.28	
<i>For 8 In 12 Slope, Add</i>	38.73	
<i>For 16" On Center Gable Studs, Add</i>	32.28	
06 17 53 00-0037 EA 26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	455.12	139.88
<i>For 3 In 12 Slope, Add</i>	5.26	
<i>For 5 In 12 Slope, Add</i>	14.03	
<i>For 6 In 12 Slope, Add</i>	26.30	
<i>For 7 In 12 Slope, Add</i>	35.07	
<i>For 8 In 12 Slope, Add</i>	42.08	
<i>For 16" On Center Gable Studs, Add</i>	35.07	
06 17 53 00-0038 EA 28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	485.66	147.24
<i>For 3 In 12 Slope, Add</i>	5.74	
<i>For 5 In 12 Slope, Add</i>	15.29	
<i>For 6 In 12 Slope, Add</i>	28.68	
<i>For 7 In 12 Slope, Add</i>	38.23	
<i>For 8 In 12 Slope, Add</i>	45.88	
<i>For 16" On Center Gable Studs, Add</i>	38.23	
06 17 53 00-0039 EA 30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	508.12	154.61
<i>For 3 In 12 Slope, Add</i>	5.97	
<i>For 5 In 12 Slope, Add</i>	15.91	
<i>For 6 In 12 Slope, Add</i>	29.84	
<i>For 7 In 12 Slope, Add</i>	39.78	
<i>For 8 In 12 Slope, Add</i>	47.74	
<i>For 16" On Center Gable Studs, Add</i>	39.78	
06 17 53 00-0040 EA 32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	535.38	158.28
<i>For 3 In 12 Slope, Add</i>	6.56	
<i>For 5 In 12 Slope, Add</i>	17.50	
<i>For 6 In 12 Slope, Add</i>	32.82	
<i>For 7 In 12 Slope, Add</i>	43.76	
<i>For 8 In 12 Slope, Add</i>	52.51	
<i>For 16" On Center Gable Studs, Add</i>	43.76	
06 17 53 00-0041 EA 34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	593.64	165.65
<i>For 3 In 12 Slope, Add</i>	7.87	
<i>For 5 In 12 Slope, Add</i>	20.99	
<i>For 6 In 12 Slope, Add</i>	39.35	
<i>For 7 In 12 Slope, Add</i>	52.47	
<i>For 8 In 12 Slope, Add</i>	62.96	
<i>For 16" On Center Gable Studs, Add</i>	52.47	
06 17 53 00-0042 EA 36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	621.66	169.33
<i>For 3 In 12 Slope, Add</i>	8.49	
<i>For 5 In 12 Slope, Add</i>	22.64	
<i>For 6 In 12 Slope, Add</i>	42.45	
<i>For 7 In 12 Slope, Add</i>	56.60	
<i>For 8 In 12 Slope, Add</i>	67.92	
<i>For 16" On Center Gable Studs, Add</i>	56.60	
06 17 53 00-0043 EA 38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	655.71	176.70
<i>For 3 In 12 Slope, Add</i>	9.07	
<i>For 5 In 12 Slope, Add</i>	24.19	
<i>For 6 In 12 Slope, Add</i>	45.35	
<i>For 7 In 12 Slope, Add</i>	60.46	
<i>For 8 In 12 Slope, Add</i>	72.56	
<i>For 16" On Center Gable Studs, Add</i>	60.46	
06 17 53 00-0044 EA 40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	696.37	184.05
<i>For 3 In 12 Slope, Add</i>	9.85	
<i>For 5 In 12 Slope, Add</i>	26.26	
<i>For 6 In 12 Slope, Add</i>	49.24	
<i>For 7 In 12 Slope, Add</i>	65.65	
<i>For 8 In 12 Slope, Add</i>	78.78	
<i>For 16" On Center Gable Studs, Add</i>	65.65	
06 17 53 00-0045 EA 42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	780.49	191.42
<i>For 3 In 12 Slope, Add</i>	11.93	
<i>For 5 In 12 Slope, Add</i>	31.81	
<i>For 6 In 12 Slope, Add</i>	59.65	
<i>For 7 In 12 Slope, Add</i>	79.53	
<i>For 8 In 12 Slope, Add</i>	95.44	
<i>For 16" On Center Gable Studs, Add</i>	79.53	
06 17 53 00-0046 EA 44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	862.75	198.78
<i>For 3 In 12 Slope, Add</i>	13.96	
<i>For 5 In 12 Slope, Add</i>	37.22	
<i>For 6 In 12 Slope, Add</i>	69.78	
<i>For 7 In 12 Slope, Add</i>	93.04	
<i>For 8 In 12 Slope, Add</i>	111.65	
<i>For 16" On Center Gable Studs, Add</i>	93.04	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0047	EA		46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	892.46	206.15
			For 3 In 12 Slope, Add	14.41	
			For 5 In 12 Slope, Add	38.41	
			For 6 In 12 Slope, Add	72.03	
			For 7 In 12 Slope, Add	96.03	
			For 8 In 12 Slope, Add	115.24	
			For 16" On Center Gable Studs, Add	96.03	
06 17 53 00-0048	EA		48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	940.28	213.51
			For 3 In 12 Slope, Add	15.40	
			For 5 In 12 Slope, Add	41.06	
			For 6 In 12 Slope, Add	76.99	
			For 7 In 12 Slope, Add	102.65	
			For 8 In 12 Slope, Add	123.18	
			For 16" On Center Gable Studs, Add	102.65	
06 17 53 00-0049	EA		50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	1,030.70	220.86
			For 3 In 12 Slope, Add	17.67	
			For 5 In 12 Slope, Add	47.12	
			For 6 In 12 Slope, Add	88.34	
			For 7 In 12 Slope, Add	117.79	
			For 8 In 12 Slope, Add	141.35	
			For 16" On Center Gable Studs, Add	117.79	
06 17 53 00-0050	EA		52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	1,053.28	228.23
			For 3 In 12 Slope, Add	17.90	
			For 5 In 12 Slope, Add	47.75	
			For 6 In 12 Slope, Add	89.52	
			For 7 In 12 Slope, Add	119.36	
			For 8 In 12 Slope, Add	143.24	
			For 16" On Center Gable Studs, Add	119.36	
06 17 53 00-0051	EA		54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	1,089.48	231.91
			For 3 In 12 Slope, Add	18.77	
			For 5 In 12 Slope, Add	50.05	
			For 6 In 12 Slope, Add	93.85	
			For 7 In 12 Slope, Add	125.13	
			For 8 In 12 Slope, Add	150.16	
			For 16" On Center Gable Studs, Add	125.13	
06 17 53 00-0052	EA		56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	1,134.94	239.27
			For 3 In 12 Slope, Add	19.69	
			For 5 In 12 Slope, Add	52.51	
			For 6 In 12 Slope, Add	98.46	
			For 7 In 12 Slope, Add	131.28	
			For 8 In 12 Slope, Add	157.53	
			For 16" On Center Gable Studs, Add	131.28	
06 17 53 00-0053	EA		58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	1,178.73	242.96
			For 3 In 12 Slope, Add	20.78	
			For 5 In 12 Slope, Add	55.43	
			For 6 In 12 Slope, Add	103.92	
			For 7 In 12 Slope, Add	138.56	
			For 8 In 12 Slope, Add	166.28	
			For 16" On Center Gable Studs, Add	138.56	
06 17 53 00-0054	EA		60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	1,204.88	246.63
			For 3 In 12 Slope, Add	21.35	
			For 5 In 12 Slope, Add	56.93	
			For 6 In 12 Slope, Add	106.74	
			For 7 In 12 Slope, Add	142.32	
			For 8 In 12 Slope, Add	170.79	
			For 16" On Center Gable Studs, Add	142.32	

**06 18 Glued-Laminated Construction** (06 10)**06 18 13 Glued-Laminated Beams** (06 18)**06 18 13 00-0001 Glue Laminated Straight Beams** (06 18 13)

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF		3-1/2" x 6" Glue Laminated Straight Beam .....	11.74	3.00
06 18 13 00-0003	LF		3-1/2" x 7-1/2" Glue Laminated Straight Beam .....	14.66	3.75
06 18 13 00-0004	LF		3-1/2" x 9" Glue Laminated Straight Beam .....	17.60	4.50
06 18 13 00-0005	LF		3-1/2" x 9-1/2" Glue Laminated Straight Beam .....	18.57	4.75
06 18 13 00-0006	LF		3-1/2" x 10-1/2" Glue Laminated Straight Beam .....	20.52	5.25
06 18 13 00-0007	LF		3-1/2" x 12" Glue Laminated Straight Beam .....	23.45	6.00
06 18 13 00-0008	LF		3-1/2" x 13-1/2" Glue Laminated Straight Beam .....	26.40	6.75
06 18 13 00-0009	LF		3-1/2" x 14" Glue Laminated Straight Beam .....	27.37	7.00
06 18 13 00-0010	LF		3-1/2" x 15" Glue Laminated Straight Beam .....	29.33	7.50
06 18 13 00-0011	LF		3-1/2" x 16" Glue Laminated Straight Beam .....	31.26	8.01
06 18 13 00-0012	LF		3-1/2" x 16-1/2" Glue Laminated Straight Beam .....	32.26	8.25
06 18 13 00-0013	LF		3-1/2" x 18" Glue Laminated Straight Beam .....	35.18	9.01
06 18 13 00-0014	LF		3-1/2" x 19-1/2" Glue Laminated Straight Beam .....	38.12	9.76
06 18 13 00-0015	LF		3-1/2" x 21" Glue Laminated Straight Beam .....	41.04	10.51
06 18 13 00-0016	LF		3-1/2" x 22.5" Glue Laminated Straight Beam .....	43.98	11.26
06 18 13 00-0017	LF		5-1/2" x 6" Glue Laminated Straight Beam .....	18.44	4.72
06 18 13 00-0018	LF		5-1/2" x 7-1/2" Glue Laminated Straight Beam .....	23.04	5.91
06 18 13 00-0019	LF		5-1/2" x 9" Glue Laminated Straight Beam .....	27.64	7.07
06 18 13 00-0020	LF		5-1/2" x 9-1/2" Glue Laminated Straight Beam .....	29.18	7.47
06 18 13 00-0021	LF		5-1/2" x 10-1/2" Glue Laminated Straight Beam .....	32.26	8.25
06 18 13 00-0022	LF		5-1/2" x 12" Glue Laminated Straight Beam .....	36.86	9.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 18 13 00-0023 LF 5-1/2" x 13-1/2" Glue Laminated Straight Beam .....	41.46	10.61
06 18 13 00-0024 LF 5-1/2" x 14" Glue Laminated Straight Beam .....	43.00	11.01
06 18 13 00-0025 LF 5-1/2" x 15" Glue Laminated Straight Beam .....	46.08	11.79
06 18 13 00-0026 LF 5-1/2" x 16" Glue Laminated Straight Beam .....	49.14	12.57
06 18 13 00-0027 LF 5-1/2" x 16-1/2" Glue Laminated Straight Beam .....	50.68	12.97
06 18 13 00-0028 LF 5-1/2" x 18" Glue Laminated Straight Beam .....	55.30	14.15
06 18 13 00-0029 LF 5-1/2" x 19-1/2" Glue Laminated Straight Beam .....	59.90	15.33
06 18 13 00-0030 LF 5-1/2" x 21" Glue Laminated Straight Beam .....	64.50	16.51
06 18 13 00-0031 LF 5-1/2" x 22.5" Glue Laminated Straight Beam .....	69.12	17.69
06 18 13 00-0032 LF 5-1/2" x 24" Glue Laminated Straight Beam .....	73.72	18.87
06 18 13 00-0033 LF 6-3/4" x 9" Glue Laminated Straight Beam .....	33.95	8.69
06 18 13 00-0034 LF 6-3/4" x 9-1/2" Glue Laminated Straight Beam .....	35.81	9.17
06 18 13 00-0035 LF 6-3/4" x 10-1/2" Glue Laminated Straight Beam .....	39.58	10.13
06 18 13 00-0036 LF 6-3/4" x 12" Glue Laminated Straight Beam .....	45.25	11.57
06 18 13 00-0037 LF 6-3/4" x 13-1/2" Glue Laminated Straight Beam .....	50.89	13.03
06 18 13 00-0038 LF 6-3/4" x 14" Glue Laminated Straight Beam .....	52.78	13.51
06 18 13 00-0039 LF 6-3/4" x 15" Glue Laminated Straight Beam .....	56.54	14.48
06 18 13 00-0040 LF 6-3/4" x 16" Glue Laminated Straight Beam .....	60.31	15.43
06 18 13 00-0041 LF 6-3/4" x 16-1/2" Glue Laminated Straight Beam .....	62.21	15.91
06 18 13 00-0042 LF 6-3/4" x 18" Glue Laminated Straight Beam .....	67.84	17.36
06 18 13 00-0043 LF 6-3/4" x 19-1/2" Glue Laminated Straight Beam .....	73.51	18.82
06 18 13 00-0044 LF 6-3/4" x 21" Glue Laminated Straight Beam .....	79.16	20.26
06 18 13 00-0045 LF 6-3/4" x 22.5" Glue Laminated Straight Beam .....	84.81	21.70
06 18 13 00-0046 LF 6-3/4" x 24" Glue Laminated Straight Beam .....	90.48	23.16
06 18 13 00-0047 LF 8-3/4" x 9" Glue Laminated Straight Beam .....	43.98	11.26
06 18 13 00-0048 LF 8-3/4" x 9-1/2" Glue Laminated Straight Beam .....	46.42	11.87
06 18 13 00-0049 LF 8-3/4" x 10-1/2" Glue Laminated Straight Beam .....	51.31	13.13
06 18 13 00-0050 LF 8-3/4" x 12" Glue Laminated Straight Beam .....	58.63	15.01
06 18 13 00-0051 LF 8-3/4" x 13-1/2" Glue Laminated Straight Beam .....	65.98	16.88
06 18 13 00-0052 LF 8-3/4" x 14" Glue Laminated Straight Beam .....	68.40	17.51
06 18 13 00-0053 LF 8-3/4" x 15" Glue Laminated Straight Beam .....	73.30	18.76
06 18 13 00-0054 LF 8-3/4" x 16" Glue Laminated Straight Beam .....	78.18	20.01
06 18 13 00-0055 LF 8-3/4" x 16-1/2" Glue Laminated Straight Beam .....	80.63	20.63
06 18 13 00-0056 LF 8-3/4" x 18" Glue Laminated Straight Beam .....	87.97	22.51
06 18 13 00-0057 LF 8-3/4" x 19-1/2" Glue Laminated Straight Beam .....	95.29	24.38
06 18 13 00-0058 LF 8-3/4" x 21" Glue Laminated Straight Beam .....	102.63	26.27
06 18 13 00-0059 LF 8-3/4" x 22.5" Glue Laminated Straight Beam .....	109.94	28.14
06 18 13 00-0060 LF 8-3/4" x 24" Glue Laminated Straight Beam .....	117.28	30.02

**06 18 13 00-0061**

**Glue Laminated Decking** (06 18 13)

06 18 13 00-0062 LF 2" - 4" Thick x 4" Wide Glue Laminated Decking .....	5.94	1.87
06 18 13 00-0063 LF 2" - 4" Thick x 6" Wide Glue Laminated Decking .....	6.06	1.87
06 18 13 00-0064 LF 2" - 4" Thick x 8" Wide Glue Laminated Decking .....	6.16	1.77

**06 18 16**

**Glued-Laminated Columns** (06 18)

**06 18 16 00-0001**

**Glue Laminated Structural Units** (06 18 16)

Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.

06 18 16 00-0002 LF 3-1/4" x 7-1/2" Glue Laminated Purlin Or Column .....	18.20	3.84
06 18 16 00-0003 LF 3-1/4" x 9-1/4" Glue Laminated Purlin Or Column .....	20.51	4.27
06 18 16 00-0004 LF 5-1/4" x 9-1/4" Glue Laminated Purlin Or Column .....	37.91	9.11
06 18 16 00-0005 LF 5-1/4" x 13" Glue Laminated Purlin Or Column .....	41.91	9.54

**06 20 Finish Carpentry** (06)

**06 22 Millwork** (06 20)

**06 22 13**

**Standard Pattern Wood Trim** (06 22)

**06 22 13 00-0001**

**Pine Moldings (All Dimensions Are Nominal)** (06 22 13)

06 22 13 00-0002 LF 1/4" x 1-1/4" Wood Lattice Strip .....	3.14	1.09
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	<i>0.41</i>	
06 22 13 00-0003 LF 1/4" x 1-5/8" Wood Lattice Strip .....	3.29	0.88
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	<i>0.41</i>	
06 22 13 00-0004 LF 1/4" x 2-1/2" Wood Lattice Strip .....	4.19	0.88
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	<i>0.41</i>	
06 22 13 00-0005 LF 1/4" x 3-1/2" Wood Lattice Strip .....	4.71	0.88
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	<i>0.41</i>	

**06 22 13 00-0006**

**Ceilings (All Dimensions Are Nominal)** (06 22 13)

**06 22 13 00-0007**

**White Pine** (06 22 13 00-0006)

**06 Wood, Plastics, and Composites****06 20 Finish Carpentry****06 22 Millwork**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 22 13 00-0008	LF	9/16" x 3-5/8" White Pine Crown Or Bed Molding	14.81		3.82
		<i>For Birch, Add</i>	3.37		
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	4.76		
		<i>For Poplar, Add</i>	1.87		
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.25		
		<i>For Stain Grade Material (No Finger Joints), Add</i>	1.22		
06 22 13 00-0009	LF	11/16" x 4-5/8" White Pine Crown Or Bed Molding	19.89		4.57
		<i>For Birch, Add</i>	4.81		
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	6.67		
		<i>For Poplar, Add</i>	2.67		
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.50		
		<i>For Stain Grade Material (No Finger Joints), Add</i>	1.74		
06 22 13 00-0010	LF	3/4" x 3/4" White Pine Crown Or Bed Molding	7.15		2.62
		<i>For Birch, Add</i>	1.00		
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.69		
		<i>For Poplar, Add</i>	0.56		
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.00		
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.36		
06 22 13 00-0011	LF	9/16" x 1-5/8" White Pine Crown Or Bed Molding	8.16		2.62
		<i>For Birch, Add</i>	1.37		
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.15		
		<i>For Poplar, Add</i>	0.76		
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.00		
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.49		
06 22 13 00-0012	LF	9/16" x 2-1/4" White Pine Crown Or Bed Molding	10.72		3.27
		<i>For Birch, Add</i>	1.90		
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.92		
		<i>For Poplar, Add</i>	1.05		
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.25		
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.69		
06 22 13 00-0013	LF	3/4" x 3-1/2" White Pine Crown Or Bed Molding	12.39		3.27
		<i>For Birch, Add</i>	2.50		
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.67		
		<i>For Poplar, Add</i>	1.39		
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.25		
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.90		
06 22 13 00-0014	LF	5/8" x 4-1/4" White Pine Crown Or Bed Molding	15.39		3.93
		<i>For Birch, Add</i>	3.19		
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	4.64		
		<i>For Poplar, Add</i>	1.77		
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.50		
		<i>For Stain Grade Material (No Finger Joints), Add</i>	1.15		
06 22 13 00-0015	LF	1" x 2" White Pine Dentil Molding	7.41		3.05
		<i>For Birch, Add</i>	1.10		
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.81		
		<i>For Poplar, Add</i>	0.61		
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.00		
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.40		
06 22 13 00-0016	LF	9/16" x 1-3/4" White Pine Cove Molding	6.27		2.29
		<i>For Birch, Add</i>	1.08		
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.68		
		<i>For Poplar, Add</i>	0.60		
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.75		
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.39		
06 22 13 00-0017	LF	11/16" x 2-3/4" White Pine Cove Molding	9.47		2.29
		<i>For Birch, Add</i>	2.23		
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.12		
		<i>For Poplar, Add</i>	1.24		
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.75		
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.81		
06 22 13 00-0018	LF	3/8" x 3/8" White Pine Cove Molding	3.69		1.31
		<i>For Birch, Add</i>	0.51		
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	0.87		
		<i>For Poplar, Add</i>	0.28		
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.52		
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.18		
06 22 13 00-0019	LF	1/2" x 1/2" White Pine Cove Molding	4.04		1.31
		<i>For Birch, Add</i>	0.64		
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.02		
		<i>For Poplar, Add</i>	0.35		
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.52		
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.23		
06 22 13 00-0020	LF	5/8" x 5/8" White Pine Cove Molding	5.41		1.63
		<i>For Birch, Add</i>	0.96		
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.48		
		<i>For Poplar, Add</i>	0.54		
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.63		
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.35		
06 22 13 00-0021	LF	3/4" x 3/4" White Pine Cove Molding	5.41		1.63
		<i>For Birch, Add</i>	0.96		
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.48		
		<i>For Poplar, Add</i>	0.54		
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.63		
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.35		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0022 LF 15/16" x 15/16" White Pine Cove Molding .....	7.04	1.63
For Birch, Add	1.55	
For Mahogany, Oak, Maple Or Walnut, Add	2.21	
For Poplar, Add	0.86	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.63	
For Stain Grade Material (No Finger Joints), Add	0.56	
06 22 13 00-0023 LF 7-1/2" Wide Mullion Covers .....	46.15	1.96
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.89	
06 22 13 00-0024 LF Three Piece Mullion Trim, 2 Cove Moldings .....	58.46	1.96
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.89	
06 22 13 00-0025 LF 2-1/2" - 3-1/2" Staff Molding .....	18.27	1.09
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.52	
06 22 13 00-0026 LF 2-1/2" - 3-1/2" Cove Staff Molding .....	22.38	1.09
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.52	
06 22 13 00-0027 Cedar Trim <small>(06 22 13 00-0006)</small>		
06 22 13 00-0028 LF 2" x 4" Cedar Ceiling Trim .....	12.47	5.49
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.82	
06 22 13 00-0029 Oak Trim <small>(06 22 13 00-0006)</small>		
06 22 13 00-0030 LF 1" x 8" Clear Oak Ceiling Trim .....	13.00	5.06
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.68	
06 22 13 00-0031 Closet Poles <small>(06 22 13)</small>		
06 22 13 00-0032 LF 1-1/8" Diameter Pine Closet Poles .....	10.92	2.83
06 22 13 00-0033 LF 1-5/8" Diameter Pine Closet Poles .....	13.32	2.83
06 22 13 00-0034 LF 2" Diameter Pine Closet Poles .....	18.26	3.16
06 25 Prefinished Paneling <small>(06 20)</small>		
<b>06 25 16 Prefinished Plywood Paneling <small>(06 25)</small></b>		
06 25 16 00-0001 Hardboard Panels <small>(06 25 16)</small>		
Note: Excludes furring and trim.		
06 25 16 00-0002 Tempered Hardboard Panels <small>(06 25 16 00-0001)</small>		
06 25 16 00-0003 SF 1/4" Tempered Hardboard Panels .....	5.56	1.97
For Waterproof Glue, Add	0.07	
For Ceiling Installation, Add	1.35	
For Glue Laminated Installation, Add	0.28	
For 1/8" Thick Paneling, Deduct	-0.49	
For 1/2" Thick Paneling, Add	1.12	
For 5/8" Thick Paneling, Add	1.34	
For 3/4" Thick Paneling, Add	1.63	
For Fire Retardant Treatment (Class I), Add	0.85	
06 25 16 00-0004 SF 1/4" Plastic Faced Tempered Hardboard Panels .....	6.24	2.42
For Waterproof Glue, Add	0.07	
For Ceiling Installation, Add	1.58	
For Glue Laminated Installation, Add	0.31	
For 1/8" Thick Paneling, Deduct	-0.53	
For 1/2" Thick Paneling, Add	1.16	
For 5/8" Thick Paneling, Add	1.37	
For 3/4" Thick Paneling, Add	1.63	
For Fire Retardant Treatment (Class I), Add	0.77	
06 25 16 00-0005 SF 1/4" Pegboard Tempered Hardboard Panels .....	6.30	1.97
For Waterproof Glue, Add	0.13	
For Ceiling Installation, Add	1.35	
For Glue Laminated Installation, Add	0.32	
For 1/8" Thick Paneling, Deduct	-0.62	
For 1/2" Thick Paneling, Add	1.52	
For 5/8" Thick Paneling, Add	1.90	
For 3/4" Thick Paneling, Add	2.39	
For Fire Retardant Treatment (Class I), Add	1.43	
06 25 16 00-0006 SF 1/4" Plastic Faced Pegboard Tempered Hardboard .....	6.46	2.42
For Waterproof Glue, Add	0.08	
For Ceiling Installation, Add	1.58	
For Glue Laminated Installation, Add	0.32	
For 1/8" Thick Paneling, Deduct	-0.57	
For 1/2" Thick Paneling, Add	1.28	
For 5/8" Thick Paneling, Add	1.53	
For 3/4" Thick Paneling, Add	1.86	
For Fire Retardant Treatment (Class I), Add	0.95	
06 25 16 00-0007 Untempered Hardboard Panels <small>(06 25 16 00-0001)</small>		
06 25 16 00-0008 SF 1/4" Untempered Hardboard Panels .....	5.33	1.97
For Waterproof Glue, Add	0.06	
For Glue Laminated Installation, Add	0.27	
For Lumber Core, Add	0.09	
For Fire Retardant Treatment (Class I), Add	0.66	

<b>06</b>	<b>06 Wood, Plastics, and Composites</b>
	<b>06 20 Finish Carpentry</b>
	<b>06 25 Prefinished Paneling</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**06 40 Architectural Woodwork** (06)

**06 41 Architectural Wood Casework** (06 40)

**06 41 13 Wood-Veneer-Faced Architectural Cabinets** (06 41)

**06 41 13 00-0001 Removal And Reinstallation Of Cabinet Or Counters** (06 41 13)

Note: Includes storage, cleaning and supply materials. Any height or width.

06 41 13 00-0002	LF	Removal And Reinstallation Of Wood Base Cabinets.....	83.37
06 41 13 00-0003	LF	Removal And Reinstallation Of Wall Cabinets.....	72.50
06 41 13 00-0004	LF	Removal And Reinstallation Of Plastic Laminated Countertops .....	17.17

**06 41 13 00-0005 Wood-Veneer Faced Wall And Base Cabinets** (06 41 13)

Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.

**06 41 13 00-0006 Solid Maple Face Frame And Door, Wall And Base Cabinets** (06 41 13 00-0005)

**06 41 13 00-0007 Base Cabinets, 35" High, 23-3/4" Deep** (06 41 13 00-0005)

06 41 13 00-0008	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	397.58	21.79
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0009	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	423.22	27.24
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0010	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	442.63	32.69
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0011	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	465.89	38.14
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0012	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	531.10	43.59
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0013	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	555.47	49.04
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0014	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	601.25	54.48
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0015	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	633.61	59.93
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0016	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	653.30	65.38
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0017	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	745.79	87.18
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	239.12	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0018	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet .....	828.21	54.48
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	239.12	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0019	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet .....	919.78	65.38
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	239.12	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0020	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet .....	869.76	54.48
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0021	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet .....	971.45	65.38
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0022	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	403.66	21.79
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
		<i>For All Plywood Box Construction, Add</i>	124.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0023 EA 15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	413.09	27.24
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0024 EA 18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	451.75	32.69
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0025 EA 21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	481.08	38.14
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0026 EA 24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	501.72	43.59
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0027 EA 27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	527.10	49.04
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0028 EA 30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	867.73	54.48
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0029 EA 33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	915.28	59.93
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0030 EA 36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	962.34	65.38
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0031 EA 12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	496.88	21.79
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0032 EA 15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	507.32	27.24
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0033 EA 18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	551.04	32.69
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0034 EA 21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	586.46	38.14
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0035 EA 24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	617.22	43.59
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0036 EA 27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	648.69	49.04
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0037 EA 30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	910.28	54.48
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0038 EA 33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	962.91	59.93
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0039 EA 36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	1,017.05	65.38
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
<i>For All Plywood Box Construction, Add</i>	124.63	
<b>06 41 13 00-0040 Wall Cabinet, 12" High, 12" Deep</b> <small>(06 41 13 00-0006)</small>		
06 41 13 00-0041 EA 30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	356.04	54.48
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0042 EA 33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	380.20	59.93
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0043 EA 36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	419.28	65.38
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0044 EA 39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	447.65	70.83
<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0045 Wall Cabinets, 14" High, 12" Deep</b> <small>(06 41 13 00-0006)</small>		
06 41 13 00-0046 EA 12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	301.89	21.79
<i>For All Plywood Box Construction, Add</i>	66.87	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0047	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	309.13	27.24
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0048	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	324.49	32.69
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0049	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	332.74	38.14
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0050	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	342.02	43.59
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0051	EA		30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	358.38	54.48
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0052	EA		33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	383.86	59.93
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0053	EA		36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	419.28	65.38
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0054	EA		39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	447.65	70.83
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0055</b>			<b>Wall Cabinets, 18" High, 12" Deep</b> (06 41 13 00-0006)		
06 41 13 00-0056	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	314.05	21.79
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0057	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	330.41	27.24
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0058	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	342.73	32.69
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0059	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	356.04	38.14
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0060	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	374.45	43.59
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0061	EA		27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	395.79	49.06
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0062	EA		30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	415.12	54.48
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0063	EA		33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	430.47	59.93
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0064	EA		36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	439.54	65.38
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0065</b>			<b>Wall Cabinets, 30" High, 12" Deep</b> (06 41 13 00-0006)		
06 41 13 00-0066	EA		12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	340.67	21.79
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0067	EA		15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	371.25	27.24
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0068	EA		18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	396.51	32.69
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0069	EA		21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	427.11	38.14
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0070	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	456.74	43.59
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0071	EA		27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	501.38	49.06
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0072	EA		30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	513.61	54.48
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0073	EA		33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	560.54	59.93
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0074	EA		36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	577.06	65.38
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0075</b>			<b>Wall Cabinets, 36" High, 12" Deep</b> (06 41 13 00-0006)		
06 41 13 00-0076	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	384.24	21.79
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0077	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	416.85	27.24
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0078	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	445.15	32.69
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0079	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	477.77	38.14
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0080	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	561.10	43.59
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0081	EA		27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	564.20	49.06
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0082	EA		30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	584.54	54.48
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0083	EA		33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	639.58	59.93
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0084	EA		36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	656.09	65.38
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0085</b>			<b>Wall Cabinets, 42" High, 12" Deep</b> (06 41 13 00-0006)		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0086 EA 12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	429.83	21.79
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0087 EA 15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	469.53	27.24
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0088 EA 18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	499.86	32.69
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0089 EA 21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	531.47	38.14
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0090 EA 24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	579.34	43.59
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0091 EA 27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	618.91	49.06
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0092 EA 30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	651.41	54.48
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0093 EA 33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	713.54	59.93
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0094 EA 36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	735.12	65.38
<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0095 Wall Cabinets, 12" High, 23-3/4" Deep</b> <small>(06 41 13 00-0095)</small>		
06 41 13 00-0096 EA 30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	407.73	54.48
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0097 EA 33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	438.06	59.93
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0098 EA 36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	470.92	65.38
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0099 EA 39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	509.52	70.83
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0100 EA 48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet.....	602.91	87.18
<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0101 Utility Cabinets, 84" High</b> <small>(06 41 13 00-0101)</small>		
06 41 13 00-0102 EA 15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet .....	778.24	48.43
<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0103 EA 18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet .....	880.91	58.12
<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0104 EA 21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet .....	990.68	455.27
<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0105 EA 24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet .....	1,040.68	77.50
<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0106 EA 30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet .....	1,261.90	96.86
<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0107 EA 36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet .....	1,456.78	116.24
<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0108 EA 15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet .....	881.59	48.43
<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0109 EA 18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet .....	975.14	58.12
<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0110 EA 21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet .....	1,114.29	67.81
<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0111 EA 24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet .....	1,183.55	77.50
<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0112 EA 30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,471.64	96.86
<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0113 EA 36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,683.75	116.24
<i>For All Plywood Box Construction, Add</i>	247.23	
<b>06 41 13 00-0114 Solid Oak Face Frame And Door, Wall And Base Cabinets</b> <small>(06 41 13 00-0005)</small>		
<b>06 41 13 00-0115 Base Cabinets, 35" High, 23-3/4" Deep</b> <small>(06 41 13 00-0114)</small>		
06 41 13 00-0116 EA 12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	358.06	21.79
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0117 EA 15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	380.67	27.24
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0118 EA 18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	398.05	32.69
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0119 EA 21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	419.28	38.14
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0120 EA 24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	476.39	43.59
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
<i>For All Plywood Box Construction, Add</i>	124.63	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0121	EA		27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	498.73	49.04
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0122	EA		30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	538.43	54.48
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0123	EA		33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	567.75	59.93
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0124	EA		36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	585.42	65.38
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0125	EA		48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	667.77	87.18
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	239.12	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0126	EA		30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	739.05	54.48
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	239.12	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0127	EA		36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	819.47	65.38
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	239.12	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0128	EA		30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	775.53	54.48
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0129	EA		36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	865.07	65.38
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0130	EA		12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	364.14	21.79
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0131	EA		15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	372.56	27.24
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0132	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	406.15	32.69
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0133	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	432.45	38.14
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0134	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	451.05	43.59
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0135	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	473.40	49.04
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0136	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	773.50	54.48
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0137	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	814.97	59.93
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0138	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	856.96	65.38
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0139	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	445.20	21.79
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0140	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	455.65	27.24
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0141	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	494.30	32.69
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0142	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	525.67	38.14
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0143	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	552.38	43.59
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0144	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	580.80	49.04
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0145	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	810.99	54.48
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0146 EA 33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	857.53 478.24 124.63	59.93
06 41 13 00-0147 EA 36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	905.60 478.24 124.63	65.38
<b>06 41 13 00-0148 Wall Cabinets, 12" High, 12" Deep</b> (06 41 13 00-0114)		
06 41 13 00-0149 EA 30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	321.59 66.87	54.48
06 41 13 00-0150 EA 33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	342.71 66.87	59.93
06 41 13 00-0151 EA 36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	377.74 66.87	65.38
06 41 13 00-0152 EA 39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	403.07 66.87	70.83
<b>06 41 13 00-0153 Wall Cabinets, 14" High, 12" Deep</b> (06 41 13 00-0114)		
06 41 13 00-0154 EA 12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	273.52 66.87	21.79
06 41 13 00-0155 EA 15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	279.75 66.87	27.24
06 41 13 00-0156 EA 18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	293.08 66.87	32.69
06 41 13 00-0157 EA 21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	301.33 66.87	38.14
06 41 13 00-0158 EA 24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	309.60 66.87	43.59
06 41 13 00-0159 EA 30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	323.93 66.87	54.48
06 41 13 00-0160 EA 33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	346.37 66.87	59.93
06 41 13 00-0161 EA 36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	377.74 66.87	65.38
06 41 13 00-0162 EA 39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	403.07 66.87	70.83
<b>06 41 13 00-0163 Wall Cabinets, 18" High, 12" Deep</b> (06 41 13 00-0114)		
06 41 13 00-0164 EA 12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	283.66 66.87	21.79
06 41 13 00-0165 EA 15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	297.98 66.87	27.24
06 41 13 00-0166 EA 18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	309.29 66.87	32.69
06 41 13 00-0167 EA 21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	321.59 66.87	38.14
06 41 13 00-0168 EA 24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	337.97 66.87	43.59
06 41 13 00-0169 EA 27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	357.29 66.87	49.06
06 41 13 00-0170 EA 30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	373.58 66.87	54.48
06 41 13 00-0171 EA 33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	387.91 66.87	59.93
06 41 13 00-0172 EA 36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	395.97 66.87	65.38
<b>06 41 13 00-0173 Wall Cabinets, 30" High, 12" Deep</b> (06 41 13 00-0114)		
06 41 13 00-0174 EA 12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	309.26 66.87	21.79
06 41 13 00-0175 EA 15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	336.80 66.87	27.24
06 41 13 00-0176 EA 18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	359.03 66.87	32.69
06 41 13 00-0177 EA 21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	385.57 66.87	38.14
06 41 13 00-0178 EA 24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	412.16 66.87	43.59
06 41 13 00-0179 EA 27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	451.73 66.87	49.06
06 41 13 00-0180 EA 30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	462.95 66.87	54.48
06 41 13 00-0181 EA 33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	503.80 66.87	59.93
06 41 13 00-0182 EA 36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	519.31 66.87	65.38
<b>06 41 13 00-0183 Wall Cabinets, 36" High, 12" Deep</b> (06 41 13 00-0114)		

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0184	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	347.76	21.79
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0185	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	376.32	27.24
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0186	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	401.58	32.69
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0187	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	430.15	38.14
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0188	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	504.36	43.59
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0189	EA		27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	506.44	49.06
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0190	EA		30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	524.76	54.48
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0191	EA		33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	573.72	59.93
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0192	EA		36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	588.20	65.38
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0193</b>			<b>Wall Cabinets, 42" High, 12" Deep</b> (06 41 13 00-0114)		
06 41 13 00-0194	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	387.28	21.79
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0195	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	422.93	27.24
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0196	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	450.22	32.69
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0197	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	477.77	38.14
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0198	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	520.57	43.59
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0199	EA		27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	555.08	49.06
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0200	EA		30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	583.52	54.48
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0201	EA		33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	638.56	59.93
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0202	EA		36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	658.12	65.38
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0203</b>			<b>Wall Cabinets, 12" High, 23-3/4" Deep</b> (06 41 13 00-0114)		
06 41 13 00-0204	EA		30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	368.21	54.48
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0205	EA		33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	395.50	59.93
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0206	EA		36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	424.32	65.38
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0207	EA		39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	458.86	70.83
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0208	EA		48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet.....	541.10	87.18
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0209</b>			<b>Utility Cabinets, 84" High</b> (06 41 13 00-0114)		
06 41 13 00-0210	EA		15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	705.29	48.43
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0211	EA		18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	797.83	58.12
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0212	EA		21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	896.45	455.27
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0213	EA		24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	942.40	77.50
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0214	EA		30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	1,138.29	96.86
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0215	EA		36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	1,311.89	116.24
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0216	EA		15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	796.48	48.43
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0217	EA		18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	880.91	58.12
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0218	EA		21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	1,004.87	67.81
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0219	EA		24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	1,068.04	77.50
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0220	EA		30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	1,322.69	96.86
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0221	EA		36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	1,511.50	116.24
			<i>For All Plywood Box Construction, Add</i>	247.23	
<b>06 41 13 00-0222</b>			<b>Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets</b> (06 41 13 00-0005)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>06 41 13 00-0223 Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0223)</b>						
06 41 13 00-0224	EA			12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	358.06 119.56 124.63	21.79
06 41 13 00-0225	EA			15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	380.67 119.56 124.63	27.24
06 41 13 00-0226	EA			18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	398.05 119.56 124.63	32.69
06 41 13 00-0227	EA			21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	419.28 119.56 124.63	38.14
06 41 13 00-0228	EA			24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	476.39 119.56 124.63	43.59
06 41 13 00-0229	EA			27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	498.73 119.56 124.63	49.04
06 41 13 00-0230	EA			30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	538.43 119.56 124.63	54.48
06 41 13 00-0231	EA			33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	567.75 119.56 124.63	59.93
06 41 13 00-0232	EA			36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	585.42 119.56 124.63	65.38
06 41 13 00-0233	EA			48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	667.77 239.12 124.63	87.18
06 41 13 00-0234	EA			30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	739.05 239.12 124.63	54.48
06 41 13 00-0235	EA			36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	819.47 239.12 124.63	65.38
06 41 13 00-0236	EA			30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	775.53 358.68 124.63	54.48
06 41 13 00-0237	EA			36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	865.07 358.68 124.63	65.38
06 41 13 00-0238	EA			12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	364.14 358.68 124.63	21.79
06 41 13 00-0239	EA			15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	372.56 358.68 124.63	27.24
06 41 13 00-0240	EA			18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	406.15 358.68 124.63	32.69
06 41 13 00-0241	EA			21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	432.45 358.68 124.63	38.14
06 41 13 00-0242	EA			24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	451.05 358.68 124.63	43.59
06 41 13 00-0243	EA			27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	473.40 358.68 124.63	49.04
06 41 13 00-0244	EA			30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	773.50 358.68 124.63	54.48

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0245	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	814.97	59.93
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0246	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	856.96	65.38
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0247	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	445.20	21.79
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0248	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	455.65	27.24
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0249	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	494.30	32.69
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0250	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	525.67	38.14
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0251	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	552.38	43.59
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0252	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	580.80	49.04
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0253	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	810.99	54.48
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0254	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	857.53	59.93
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0255	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	905.60	65.38
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
<b>06 41 13 00-0256</b>			<b>Wall Cabinets, 12" High, 12" Deep</b> (06 41 13 00-0222)		
06 41 13 00-0257	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	321.59	54.48
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0258	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	342.71	59.93
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0259	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	377.74	65.38
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0260	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	403.07	70.83
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0261</b>			<b>Wall Cabinets, 14" High, 12" Deep</b> (06 41 13 00-0222)		
06 41 13 00-0262	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	273.52	21.79
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0263	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	279.75	27.24
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0264	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	293.08	32.69
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0265	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	301.33	38.14
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0266	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	309.60	43.59
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0267	EA		30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	323.93	54.48
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0268	EA		33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	346.37	59.93
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0269	EA		36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	377.74	65.38
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0270	EA		39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	403.07	70.83
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0271</b>			<b>Wall Cabinets, 18" High, 12" Deep</b> (06 41 13 00-0222)		
06 41 13 00-0272	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	283.66	21.79
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0273	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	297.98	27.24
			<i>For All Plywood Box Construction, Add</i>	66.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0274 EA 18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	309.29 66.87	32.69
06 41 13 00-0275 EA 21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	321.59 66.87	38.14
06 41 13 00-0276 EA 24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	337.97 66.87	43.59
06 41 13 00-0277 EA 27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	357.29 66.87	49.06
06 41 13 00-0278 EA 30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	373.58 66.87	54.48
06 41 13 00-0279 EA 33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	387.91 66.87	59.93
06 41 13 00-0280 EA 36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	395.97 66.87	65.38
<b>06 41 13 00-0281 Wall Cabinets, 30" High, 12" Deep</b> (06 41 13 00-0222)		
06 41 13 00-0282 EA 12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	309.26 66.87	21.79
06 41 13 00-0283 EA 15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	336.80 66.87	27.24
06 41 13 00-0284 EA 18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	359.03 66.87	32.69
06 41 13 00-0285 EA 21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	385.57 66.87	38.14
06 41 13 00-0286 EA 24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	412.16 66.87	43.59
06 41 13 00-0287 EA 27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	451.73 66.87	49.06
06 41 13 00-0288 EA 30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	462.95 66.87	54.48
06 41 13 00-0289 EA 33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	503.80 66.87	59.93
06 41 13 00-0290 EA 36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	519.31 66.87	65.38
<b>06 41 13 00-0291 Wall Cabinets, 36" High, 12" Deep</b> (06 41 13 00-0222)		
06 41 13 00-0292 EA 12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	347.76 66.87	21.79
06 41 13 00-0293 EA 15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	376.32 66.87	27.24
06 41 13 00-0294 EA 18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	401.58 66.87	32.69
06 41 13 00-0295 EA 21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	430.15 66.87	38.14
06 41 13 00-0296 EA 24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	504.36 66.87	43.59
06 41 13 00-0297 EA 27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	506.44 66.87	49.06
06 41 13 00-0298 EA 30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	524.76 66.87	54.48
06 41 13 00-0299 EA 33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	573.72 66.87	59.93
06 41 13 00-0300 EA 36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	588.20 66.87	65.38
<b>06 41 13 00-0301 Wall Cabinets, 42" High, 12" Deep</b> (06 41 13 00-0222)		
06 41 13 00-0302 EA 12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	387.28 66.87	21.79
06 41 13 00-0303 EA 15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	422.93 66.87	27.24
06 41 13 00-0304 EA 18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	450.22 66.87	32.69
06 41 13 00-0305 EA 21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	477.77 66.87	38.14
06 41 13 00-0306 EA 24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	520.57 66.87	43.59
06 41 13 00-0307 EA 27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	555.08 66.87	49.06
06 41 13 00-0308 EA 30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	583.52 66.87	54.48
06 41 13 00-0309 EA 33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	638.56 66.87	59.93
06 41 13 00-0310 EA 36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	658.12 66.87	65.38
<b>06 41 13 00-0311 Wall Cabinets, 12" High, 23-3/4" Deep</b> (06 41 13 00-0222)		
06 41 13 00-0312 EA 30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	368.21 66.87	54.48

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0313	EA		33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....395.50 <i>For All Plywood Box Construction, Add</i> 66.87		59.93
06 41 13 00-0314	EA		36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....424.32 <i>For All Plywood Box Construction, Add</i> 66.87		65.38
06 41 13 00-0315	EA		39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....458.86 <i>For All Plywood Box Construction, Add</i> 66.87		70.83
06 41 13 00-0316	EA		48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....541.10 <i>For All Plywood Box Construction, Add</i> 66.87		87.18
<b>06 41 13 00-0317</b>			<b>Utility Cabinets, 84" High</b> (06 41 13 00-0222)		
06 41 13 00-0318	EA		15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....705.29 <i>For All Plywood Box Construction, Add</i> 247.23		48.43
06 41 13 00-0319	EA		18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....797.83 <i>For All Plywood Box Construction, Add</i> 247.23		58.12
06 41 13 00-0320	EA		21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....896.45 <i>For All Plywood Box Construction, Add</i> 247.23		455.27
06 41 13 00-0321	EA		24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....942.40 <i>For All Plywood Box Construction, Add</i> 247.23		77.50
06 41 13 00-0322	EA		30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....1,138.29 <i>For All Plywood Box Construction, Add</i> 247.23		96.86
06 41 13 00-0323	EA		36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....1,311.89 <i>For All Plywood Box Construction, Add</i> 247.23		116.24
06 41 13 00-0324	EA		15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....796.48 <i>For All Plywood Box Construction, Add</i> 247.23		48.43
06 41 13 00-0325	EA		18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....880.91 <i>For All Plywood Box Construction, Add</i> 247.23		58.12
06 41 13 00-0326	EA		21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....1,004.87 <i>For All Plywood Box Construction, Add</i> 247.23		67.81
06 41 13 00-0327	EA		24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....1,068.04 <i>For All Plywood Box Construction, Add</i> 247.23		77.50
06 41 13 00-0328	EA		30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....1,322.69 <i>For All Plywood Box Construction, Add</i> 247.23		96.86
06 41 13 00-0329	EA		36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....1,511.50 <i>For All Plywood Box Construction, Add</i> 247.23		116.24
<b>06 41 13 00-0330</b>			<b>Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets</b> (06 41 13 00-0005)		
<b>06 41 13 00-0331</b>			<b>Base Cabinets, 35" High, 23-3/4" Deep</b> (06 41 13 00-0330)		
06 41 13 00-0332	EA		12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet .....358.06 <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> 119.56 <i>For All Plywood Box Construction, Add</i> 124.63		21.79
06 41 13 00-0333	EA		15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet .....380.67 <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> 119.56 <i>For All Plywood Box Construction, Add</i> 124.63		27.24
06 41 13 00-0334	EA		18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet .....398.05 <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> 119.56 <i>For All Plywood Box Construction, Add</i> 124.63		32.69
06 41 13 00-0335	EA		21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet .....419.28 <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> 119.56 <i>For All Plywood Box Construction, Add</i> 124.63		38.14
06 41 13 00-0336	EA		24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet .....476.39 <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> 119.56 <i>For All Plywood Box Construction, Add</i> 124.63		43.59
06 41 13 00-0337	EA		27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet .....498.73 <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> 119.56 <i>For All Plywood Box Construction, Add</i> 124.63		49.04
06 41 13 00-0338	EA		30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet .....538.43 <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> 119.56 <i>For All Plywood Box Construction, Add</i> 124.63		54.48
06 41 13 00-0339	EA		33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet .....567.75 <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> 119.56 <i>For All Plywood Box Construction, Add</i> 124.63		59.93
06 41 13 00-0340	EA		36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet .....585.42 <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> 119.56 <i>For All Plywood Box Construction, Add</i> 124.63		65.38
06 41 13 00-0341	EA		48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet .....667.77 <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> 239.12 <i>For All Plywood Box Construction, Add</i> 124.63		87.18
06 41 13 00-0342	EA		30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet .....739.05 <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> 239.12 <i>For All Plywood Box Construction, Add</i> 124.63		54.48





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0343 EA 36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	819.47	65.38
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	239.12	
For All Plywood Box Construction, Add	124.63	
06 41 13 00-0344 EA 30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	775.53	54.48
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	358.68	
For All Plywood Box Construction, Add	124.63	
06 41 13 00-0345 EA 36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	865.07	65.38
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	358.68	
For All Plywood Box Construction, Add	124.63	
06 41 13 00-0346 EA 12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	364.14	21.79
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	358.68	
For All Plywood Box Construction, Add	124.63	
06 41 13 00-0347 EA 15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	372.56	27.24
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	358.68	
For All Plywood Box Construction, Add	124.63	
06 41 13 00-0348 EA 18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	406.15	32.69
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	358.68	
For All Plywood Box Construction, Add	124.63	
06 41 13 00-0349 EA 21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	432.45	38.14
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	358.68	
For All Plywood Box Construction, Add	124.63	
06 41 13 00-0350 EA 24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	451.05	43.59
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	358.68	
For All Plywood Box Construction, Add	124.63	
06 41 13 00-0351 EA 27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	473.40	49.04
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	358.68	
For All Plywood Box Construction, Add	124.63	
06 41 13 00-0352 EA 30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	773.50	54.48
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	358.68	
For All Plywood Box Construction, Add	124.63	
06 41 13 00-0353 EA 33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	814.97	59.93
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	358.68	
For All Plywood Box Construction, Add	124.63	
06 41 13 00-0354 EA 36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	856.96	65.38
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	358.68	
For All Plywood Box Construction, Add	124.63	
06 41 13 00-0355 EA 12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	445.20	21.79
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	478.24	
For All Plywood Box Construction, Add	124.63	
06 41 13 00-0356 EA 15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	455.65	27.24
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	478.24	
For All Plywood Box Construction, Add	124.63	
06 41 13 00-0357 EA 18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	494.30	32.69
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	478.24	
For All Plywood Box Construction, Add	124.63	
06 41 13 00-0358 EA 21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	525.67	38.14
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	478.24	
For All Plywood Box Construction, Add	124.63	
06 41 13 00-0359 EA 24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	552.38	43.59
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	478.24	
For All Plywood Box Construction, Add	124.63	
06 41 13 00-0360 EA 27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	580.80	49.04
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	478.24	
For All Plywood Box Construction, Add	124.63	
06 41 13 00-0361 EA 30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	810.99	54.48
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	478.24	
For All Plywood Box Construction, Add	124.63	
06 41 13 00-0362 EA 33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	857.53	59.93
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	478.24	
For All Plywood Box Construction, Add	124.63	
06 41 13 00-0363 EA 36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	905.60	65.38
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	478.24	
For All Plywood Box Construction, Add	124.63	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0364			<b>Wall Cabinets, 12" High, 12" Deep</b> (06 41 13 00-0330)		
06 41 13 00-0365	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet .....321.59	321.59	54.48
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0366	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet .....342.71	342.71	59.93
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0367	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet .....377.74	377.74	65.38
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0368	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet .....403.07	403.07	70.83
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0369			<b>Wall Cabinets, 14" High, 12" Deep</b> (06 41 13 00-0330)		
06 41 13 00-0370	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet .....273.52	273.52	21.79
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0371	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet .....279.75	279.75	27.24
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0372	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet .....293.08	293.08	32.69
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0373	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet .....301.33	301.33	38.14
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0374	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet .....309.60	309.60	43.59
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0375	EA		30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet .....323.93	323.93	54.48
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0376	EA		33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet .....346.37	346.37	59.93
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0377	EA		36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet .....377.74	377.74	65.38
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0378	EA		39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet .....403.07	403.07	70.83
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0379			<b>Wall Cabinets, 18" High, 12" Deep</b> (06 41 13 00-0330)		
06 41 13 00-0380	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet .....283.66	283.66	21.79
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0381	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet .....297.98	297.98	27.24
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0382	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet .....309.29	309.29	32.69
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0383	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet .....321.59	321.59	38.14
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0384	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet .....337.97	337.97	43.59
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0385	EA		27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet .....357.29	357.29	49.06
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0386	EA		30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet .....373.58	373.58	54.48
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0387	EA		33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet .....387.91	387.91	59.93
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0388	EA		36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet .....395.97	395.97	65.38
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0389			<b>Wall Cabinets, 30" High, 12" Deep</b> (06 41 13 00-0330)		
06 41 13 00-0390	EA		12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet .....309.26	309.26	21.79
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	
06 41 13 00-0391	EA		15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet .....336.80	336.80	27.24
			<i>For All Plywood Box Construction, Add</i> .....66.87	66.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0392 EA 18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	359.03	32.69
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0393 EA 21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	385.57	38.14
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0394 EA 24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	412.16	43.59
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0395 EA 27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	451.73	49.06
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0396 EA 30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	462.95	54.48
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0397 EA 33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	503.80	59.93
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0398 EA 36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	519.31	65.38
<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0399 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0390)</b>		
06 41 13 00-0400 EA 12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	347.76	21.79
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0401 EA 15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	376.32	27.24
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0402 EA 18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	401.58	32.69
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0403 EA 21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	430.15	38.14
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0404 EA 24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	504.36	43.59
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0405 EA 27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	506.44	49.06
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0406 EA 30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	524.76	54.48
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0407 EA 33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	573.72	59.93
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0408 EA 36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	588.20	65.38
<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0409 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0390)</b>		
06 41 13 00-0410 EA 12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	387.28	21.79
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0411 EA 15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	422.93	27.24
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0412 EA 18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	450.22	32.69
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0413 EA 21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	477.77	38.14
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0414 EA 24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	520.57	43.59
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0415 EA 27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	555.08	49.06
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0416 EA 30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	583.52	54.48
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0417 EA 33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	638.56	59.93
<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0418 EA 36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	658.12	65.38
<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0419 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0390)</b>		

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0420	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	368.21	54.48
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41	13 00-0421	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	395.50	59.93
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41	13 00-0422	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	424.32	65.38
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41	13 00-0423	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	458.86	70.83
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41	13 00-0424	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	541.10	87.18
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41</b>	<b>13 00-0425</b>		<b>Utility Cabinets, 84" High</b> <small>(06 41 13 00-0330)</small>		
06 41	13 00-0426	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	705.29	48.43
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41	13 00-0427	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	797.83	58.12
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41	13 00-0428	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	896.45	455.27
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41	13 00-0429	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	942.40	77.50
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41	13 00-0430	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,138.29	96.86
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41	13 00-0431	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,311.89	116.24
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41	13 00-0432	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	796.48	48.43
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41	13 00-0433	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	880.91	58.12
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41	13 00-0434	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,004.87	67.81
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41	13 00-0435	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,068.04	77.50
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41	13 00-0436	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,322.69	96.86
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41	13 00-0437	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,511.50	116.24
			<i>For All Plywood Box Construction, Add</i>	247.23	
<b>06 41 93</b>	<b>Cabinet and Drawer Hardware</b> <small>(06 41)</small>				
<b>06 41 93 00-0001</b>	<b>Cabinet Hardware</b> <small>(06 41 93)</small>		Note: Includes all finishes, and mounting screws.		
06 41	93 00-0002	EA	4" To 6" Long, 1/2" Diameter, Cabinet Bar Pull.....	26.36	9.27
06 41	93 00-0003	EA	7" To 9" Long, 1/2" Diameter, Cabinet Bar Pull.....	27.21	9.27
06 41	93 00-0004	EA	10" To 12" Long, 1/2" Diameter, Cabinet Bar Pull.....	28.70	9.27
06 41	93 00-0005	EA	3" To 4-1/2", Flat Cabinet Pull Handle.....	30.36	9.27
06 41	93 00-0006	EA	5" To 6-1/2", Flat Cabinet Pull Handle.....	31.21	9.27
06 41	93 00-0007	EA	7" To 8-1/2", Flat Cabinet Pull Handle.....	40.35	9.27
06 41	93 00-0008	EA	12" To 12-1/2", Flat Cabinet Pull Handle.....	78.22	9.27
06 41	93 00-0009	EA	1-7/16" Diameter, Mushroom Cabinet Pull Knobs.....	20.56	7.08
06 41	93 00-0010	EA	3-7/16" x 1-5/8" x 1" Projection, Cabinet Cup Pull.....	20.40	7.08
06 41	93 00-0011	EA	1-1/4" Long, Finger Cabinet Pull.....	27.80	8.18
06 41	93 00-0012	EA	3" Long, Finger Cabinet Pull.....	31.79	8.18
06 41	93 00-0013	EA	4" Long, Finger Cabinet Pull.....	34.51	8.18
06 41	93 00-0014	EA	6" Long, Finger Cabinet Pull.....	38.23	8.18
06 41	93 00-0015	EA	12" Long, Finger Cabinet Pull.....	55.50	8.18
06 41	93 00-0016	EA	Cabinet Spring Loaded Adjustable Barrel Ball Catch.....	40.36	10.90
06 41	93 00-0017	EA	Cabinet Surface Mounted Square or Matchbook Latch.....	59.33	10.90
06 41	93 00-0018	EA	Cabinet Door or Drawer Mortised Lock With 2 Keys.....	145.10	16.35
06 41	93 00-0019	EA	Cabinet Door or Drawer Bored Lock with 2 Keys.....	53.29	9.27
06 41	93 00-0020	EA	Cabinet Surface Mounted Slide or Barrel Bolt Latch.....	35.94	9.27
06 41	93 00-0021	EA	Cabinet Door or Drawer Bored 4-Pin, Cam Lock With 2 Keys.....	90.71	

**06 42 Wood Paneling** (06 40)



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Note: Includes glue for installation.

**06 42 13 Wood Board Paneling** (06 42)

06 42 13 00-0001		Solid Wood Paneling (06 42 13)		
06 42 13 00-0002		7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide (06 42 13 00-0001)		
06 42 13 00-0003	SF	Homestead Cedar Paneling Tongue And Groove, 7/16" .....	10.56	2.29
06 42 13 00-0004	SF	Homestead Juniper Paneling Tongue And Groove, 7/16" .....	11.14	2.29
06 42 13 00-0005		7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide (06 42 13 00-0001)		
06 42 13 00-0006	SF	8" Random Plank Tongue And Groove, 7/16" .....	12.38	2.17
06 42 13 00-0007	SF	8" Solid Plank Tongue And Groove, 7/16" .....	11.49	2.17
06 42 13 00-0008		1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide (06 42 13 00-0001)		
06 42 13 00-0009	SF	Alder Wood Tongue And Groove Paneling, 1/2" .....	12.29	2.29
06 42 13 00-0010		1" Solid Wood Paneling, Shiplap, 6" To 8" Wide (06 42 13 00-0001)		
06 42 13 00-0011	SF	1" Terebo (Driftwood) Wood Shiplap .....	7.82	1.96

**06 42 16 Flush Wood Paneling** (06 42)

06 42 16 00-0001		Veneer Hardboard Panels (06 42 16)		
06 42 16 00-0002	SF	1/4" Maple Veneer Paneling .....	6.18	1.97
		For Waterproof Glue, Add	0.12	
		For Ceiling Installation, Add	1.35	
06 42 16 00-0003		Plywood Unfinished With Trim 1/4" Thick (06 42 16)		
06 42 16 00-0004		Birch (06 42 16 00-0003)		
06 42 16 00-0005	SF	1/4" Unfinished Birch Plywood, Natural Faced With Trim .....	6.14	1.76
		For Waterproof Glue, Add	0.15	
		For Ceiling Installation, Add	1.19	
		For Installation On Metal Studs Or Furring, Add	0.43	
		For Glue Laminated Installation, Add	0.31	
		For Lumber Core, Add	0.24	
		For 1/8" Thick Paneling, Deduct	-0.64	
		For 1/2" Thick Paneling, Add	1.66	
		For 5/8" Thick Paneling, Add	2.12	
		For 3/4" Thick Paneling, Add	2.71	
		For Fire Retardant Treatment (Class I), Add	1.73	
06 42 16 00-0006	SF	1/4" Unfinished Birch Plywood, Select With Trim .....	6.30	1.76
		For Waterproof Glue, Add	0.16	
		For Ceiling Installation, Add	1.19	
		For Installation On Metal Studs Or Furring, Add	0.43	
		For Glue Laminated Installation, Add	0.32	
		For Lumber Core, Add	0.26	
		For 1/8" Thick Paneling, Deduct	-0.67	
		For 1/2" Thick Paneling, Add	1.74	
		For 5/8" Thick Paneling, Add	2.24	
		For 3/4" Thick Paneling, Add	2.87	
		For Fire Retardant Treatment (Class I), Add	1.86	
06 42 16 00-0007		Knotty Pine (06 42 16 00-0003)		
06 42 16 00-0008	SF	1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim .....	7.28	1.97
		For Waterproof Glue, Add	0.20	
		For Ceiling Installation, Add	1.32	
		For Installation On Metal Studs Or Furring, Add	0.48	
		For Glue Laminated Installation, Add	0.36	
		For Lumber Core, Add	0.32	
		For 1/8" Thick Paneling, Deduct	-0.79	
		For 1/2" Thick Paneling, Add	2.09	
		For 5/8" Thick Paneling, Add	2.69	
		For 3/4" Thick Paneling, Add	3.47	
		For Fire Retardant Treatment (Class I), Add	2.28	
06 42 16 00-0009	SF	1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim .....	7.15	1.97
		For Waterproof Glue, Add	0.19	
		For Ceiling Installation, Add	1.32	
		For Installation On Metal Studs Or Furring, Add	0.48	
		For Glue Laminated Installation, Add	0.36	
		For Lumber Core, Add	0.30	
		For 1/8" Thick Paneling, Deduct	-0.77	
		For 1/2" Thick Paneling, Add	2.02	
		For 5/8" Thick Paneling, Add	2.60	
		For 3/4" Thick Paneling, Add	3.34	
		For Fire Retardant Treatment (Class I), Add	2.18	
06 42 16 00-0010		Cedar (Aromatic - Closet Lining) (06 42 16 00-0003)		

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 42 Wood Paneling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0011	SF		1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining .....	6.79	2.20
			<i>For Waterproof Glue, Add</i>	0.13	
			<i>For Ceiling Installation, Add</i>	1.48	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.54	
			<i>For Glue Laminated Installation, Add</i>	0.34	
			<i>For Lumber Core, Add</i>	0.20	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.65	
			<i>For 1/2" Thick Paneling, Add</i>	1.59	
			<i>For 5/8" Thick Paneling, Add</i>	1.98	
			<i>For 3/4" Thick Paneling, Add</i>	2.48	
			<i>For Fire Retardant Treatment (Class I), Add</i>	1.46	
06 42 16 00-0012	SF		1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining .....	6.19	2.20
			<i>For Waterproof Glue, Add</i>	0.09	
			<i>For Ceiling Installation, Add</i>	1.48	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.54	
			<i>For Glue Laminated Installation, Add</i>	0.31	
			<i>For Lumber Core, Add</i>	0.14	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.55	
			<i>For 1/2" Thick Paneling, Add</i>	1.27	
			<i>For 5/8" Thick Paneling, Add</i>	1.53	
			<i>For 3/4" Thick Paneling, Add</i>	1.87	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.99	
<b>06 42 16 00-0013</b>			<b>Top Grade Plywood Prefinished With Trim 1/4" Thick (06 42 16)</b>		
06 42 16 00-0014	SF		1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim .....	6.84	1.97
			<i>For Flitch Matched Veneer, Add</i>	1.23	
			<i>For Second Grade Veneer, Deduct</i>	-0.25	
			<i>For Third Grade Veneer, Deduct</i>	-0.37	
			<i>For Waterproof Glue, Add</i>	0.17	
			<i>For Ceiling Installation, Add</i>	1.32	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.48	
			<i>For Glue Laminated Installation, Add</i>	0.34	
			<i>For Lumber Core, Add</i>	0.27	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.72	
			<i>For 1/2" Thick Paneling, Add</i>	1.85	
			<i>For 5/8" Thick Paneling, Add</i>	2.36	
			<i>For 3/4" Thick Paneling, Add</i>	3.03	
			<i>For Fire Retardant Treatment (Class I), Add</i>	1.94	
06 42 16 00-0015	SF		1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim .....	7.93	1.97
			<i>For Flitch Matched Veneer, Add</i>	1.77	
			<i>For Second Grade Veneer, Deduct</i>	-0.35	
			<i>For Third Grade Veneer, Deduct</i>	-0.53	
			<i>For Waterproof Glue, Add</i>	0.25	
			<i>For Ceiling Installation, Add</i>	1.32	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.48	
			<i>For Glue Laminated Installation, Add</i>	0.40	
			<i>For Lumber Core, Add</i>	0.39	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.90	
			<i>For 1/2" Thick Paneling, Add</i>	2.44	
			<i>For 5/8" Thick Paneling, Add</i>	3.18	
			<i>For 3/4" Thick Paneling, Add</i>	4.14	
			<i>For Fire Retardant Treatment (Class I), Add</i>	2.80	
06 42 16 00-0016	SF		1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim .....	12.85	1.97
			<i>For Flitch Matched Veneer, Add</i>	3.80	
			<i>For Second Grade Veneer, Deduct</i>	-0.76	
			<i>For Third Grade Veneer, Deduct</i>	-1.14	
			<i>For Waterproof Glue, Add</i>	0.53	
			<i>For Ceiling Installation, Add</i>	1.58	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.58	
			<i>For Glue Laminated Installation, Add</i>	0.64	
			<i>For Lumber Core, Add</i>	0.84	
			<i>For 1/8" Thick Paneling, Deduct</i>	-1.64	
			<i>For 1/2" Thick Paneling, Add</i>	4.73	
			<i>For 5/8" Thick Paneling, Add</i>	6.33	
			<i>For 3/4" Thick Paneling, Add</i>	8.38	
			<i>For Fire Retardant Treatment (Class I), Add</i>	6.00	
06 42 16 00-0017	SF		1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim .....	5.56	1.97
			<i>For Flitch Matched Veneer, Add</i>	0.81	
			<i>For Second Grade Veneer, Deduct</i>	-0.16	
			<i>For Third Grade Veneer, Deduct</i>	-0.24	
			<i>For Waterproof Glue, Add</i>	0.11	
			<i>For Ceiling Installation, Add</i>	1.18	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.43	
			<i>For Glue Laminated Installation, Add</i>	0.28	
			<i>For Lumber Core, Add</i>	0.18	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.55	
			<i>For 1/2" Thick Paneling, Add</i>	1.35	
			<i>For 5/8" Thick Paneling, Add</i>	1.69	
			<i>For 3/4" Thick Paneling, Add</i>	2.13	
			<i>For Fire Retardant Treatment (Class I), Add</i>	1.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0018 SF 1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim.....	11.06	1.97
<i>For Flitch Matched Veneer, Add</i>	3.06	
<i>For Second Grade Veneer, Deduct</i>	-0.61	
<i>For Third Grade Veneer, Deduct</i>	-0.92	
<i>For Waterproof Glue, Add</i>	0.43	
<i>For Ceiling Installation, Add</i>	1.48	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.54	
<i>For Glue Laminated Installation, Add</i>	0.55	
<i>For Lumber Core, Add</i>	0.67	
<i>For 1/8" Thick Paneling, Deduct</i>	-1.37	
<i>For 1/2" Thick Paneling, Add</i>	3.90	
<i>For 5/8" Thick Paneling, Add</i>	5.18	
<i>For 3/4" Thick Paneling, Add</i>	6.84	
<i>For Fire Retardant Treatment (Class I), Add</i>	4.83	
06 42 16 00-0019 SF 1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim .....	7.10	1.97
<i>For Flitch Matched Veneer, Add</i>	1.36	
<i>For Second Grade Veneer, Deduct</i>	-0.27	
<i>For Third Grade Veneer, Deduct</i>	-0.41	
<i>For Waterproof Glue, Add</i>	0.19	
<i>For Ceiling Installation, Add</i>	1.32	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.48	
<i>For Glue Laminated Installation, Add</i>	0.36	
<i>For Lumber Core, Add</i>	0.30	
<i>For 1/8" Thick Paneling, Deduct</i>	-0.76	
<i>For 1/2" Thick Paneling, Add</i>	1.99	
<i>For 5/8" Thick Paneling, Add</i>	2.56	
<i>For 3/4" Thick Paneling, Add</i>	3.29	
<i>For Fire Retardant Treatment (Class I), Add</i>	2.14	
06 42 16 00-0020 SF 1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim .....	8.52	1.97
<i>For Flitch Matched Veneer, Add</i>	1.79	
<i>For Second Grade Veneer, Deduct</i>	-0.36	
<i>For Third Grade Veneer, Deduct</i>	-0.54	
<i>For Waterproof Glue, Add</i>	0.25	
<i>For Ceiling Installation, Add</i>	1.48	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.54	
<i>For Glue Laminated Installation, Add</i>	0.43	
<i>For Lumber Core, Add</i>	0.39	
<i>For 1/8" Thick Paneling, Deduct</i>	-0.94	
<i>For 1/2" Thick Paneling, Add</i>	2.53	
<i>For 5/8" Thick Paneling, Add</i>	3.28	
<i>For 3/4" Thick Paneling, Add</i>	4.24	
<i>For Fire Retardant Treatment (Class I), Add</i>	2.83	
06 42 16 00-0021 SF 1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim .....	14.83	1.97
<i>For Flitch Matched Veneer, Add</i>	4.33	
<i>For Second Grade Veneer, Deduct</i>	-0.87	
<i>For Third Grade Veneer, Deduct</i>	-1.30	
<i>For Waterproof Glue, Add</i>	0.61	
<i>For Ceiling Installation, Add</i>	1.85	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.68	
<i>For Glue Laminated Installation, Add</i>	0.74	
<i>For Lumber Core, Add</i>	0.95	
<i>For 1/8" Thick Paneling, Deduct</i>	-1.88	
<i>For 1/2" Thick Paneling, Add</i>	5.42	
<i>For 5/8" Thick Paneling, Add</i>	7.24	
<i>For 3/4" Thick Paneling, Add</i>	9.57	
<i>For Fire Retardant Treatment (Class I), Add</i>	6.84	
06 42 16 00-0022 SF 1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim .....	11.04	1.97
<i>For Flitch Matched Veneer, Add</i>	3.05	
<i>For Second Grade Veneer, Deduct</i>	-0.61	
<i>For Third Grade Veneer, Deduct</i>	-0.92	
<i>For Waterproof Glue, Add</i>	0.43	
<i>For Ceiling Installation, Add</i>	1.48	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.54	
<i>For Glue Laminated Installation, Add</i>	0.55	
<i>For Lumber Core, Add</i>	0.67	
<i>For 1/8" Thick Paneling, Deduct</i>	-1.36	
<i>For 1/2" Thick Paneling, Add</i>	3.89	
<i>For 5/8" Thick Paneling, Add</i>	5.17	
<i>For 3/4" Thick Paneling, Add</i>	6.81	
<i>For Fire Retardant Treatment (Class I), Add</i>	4.82	
06 42 16 00-0023 SF 1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim .....	9.59	1.97
<i>For Flitch Matched Veneer, Add</i>	2.60	
<i>For Second Grade Veneer, Deduct</i>	-0.52	
<i>For Third Grade Veneer, Deduct</i>	-0.78	
<i>For Waterproof Glue, Add</i>	0.36	
<i>For Ceiling Installation, Add</i>	1.32	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.48	
<i>For Glue Laminated Installation, Add</i>	0.48	
<i>For Lumber Core, Add</i>	0.57	
<i>For 1/8" Thick Paneling, Deduct</i>	-1.18	
<i>For 1/2" Thick Paneling, Add</i>	3.33	
<i>For 5/8" Thick Paneling, Add</i>	4.43	
<i>For 3/4" Thick Paneling, Add</i>	5.83	
<i>For Fire Retardant Treatment (Class I), Add</i>	4.11	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 42 Wood Paneling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0024	SF		1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim.....	7.15	1.97
			<i>For Flitch Matched Veneer, Add</i>	1.38	
			<i>For Second Grade Veneer, Deduct</i>	-0.28	
			<i>For Third Grade Veneer, Deduct</i>	-0.41	
			<i>For Waterproof Glue, Add</i>	0.19	
			<i>For Ceiling Installation, Add</i>	1.32	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.48	
			<i>For Glue Laminated Installation, Add</i>	0.36	
			<i>For Lumber Core, Add</i>	0.30	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.77	
			<i>For 1/2" Thick Paneling, Add</i>	2.02	
			<i>For 5/8" Thick Paneling, Add</i>	2.60	
			<i>For 3/4" Thick Paneling, Add</i>	3.34	
			<i>For Fire Retardant Treatment (Class I), Add</i>	2.18	
06 42 16 00-0025			<b>Accessories</b> (06 42 16)		
06 42 16 00-0026	EA		Aluminum Panel Retainer "J" With Bolt.....	28.68	
<b>06 42 19</b>			<b>Plastic-Laminate-Faced Wood Paneling</b> (06 42)		
06 42 19 00-0001			<b>Plastic Laminate</b> (06 42 19)		
			Note: Standard colors and patterns.		
06 42 19 00-0002	SF		1/16" Plastic Laminate Faced Panel.....	10.45	3.82
			Note: Includes cutting to fit.		
<b>06 43</b>			<b>Wood Stairs and Railings</b> (06 40)		
<b>06 43 13</b>			<b>Wood Stairs</b> (06 43)		
06 43 13 00-0001			<b>Stair Parts</b> (06 43 13)		
06 43 13 00-0002	EA		30" Baluster, Pine.....	55.70	22.12
06 43 13 00-0003	EA		30" Baluster, Birch.....	66.03	22.12
06 43 13 00-0004	EA		42" Baluster, Pine.....	62.99	22.87
06 43 13 00-0005	EA		42" Baluster, Birch.....	74.01	22.87
06 43 13 00-0006	EA		3-1/4" Wide Newels, Starting.....	330.84	86.93
06 43 13 00-0007	EA		3-1/4" Wide Newels, Landing.....	484.29	122.00
06 43 13 00-0008	LF		Oak Gooseneck, 1 Riser.....	198.07	76.25
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.03	
06 43 13 00-0009	LF		Oak Gooseneck, 2 Riser.....	232.13	83.77
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.52	
06 43 13 00-0010	LF		Oak Handrail, 2-1/2" x 3" With Quarter Turn.....	40.35	11.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.75	
06 43 13 00-0011	LF		1-1/16" x 9-1/2" Oak Stair Tread.....	52.74	6.42
			<i>For Beech, Add</i>	11.99	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.94	
06 43 13 00-0012	LF		1-1/16" x 11-1/2" Oak Stair Tread.....	64.11	6.42
			<i>For Beech, Add</i>	15.40	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.94	
06 43 13 00-0013	LF		1-1/16" x 11-1/2" Pine Stair Tread.....	28.90	6.42
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.94	
06 43 13 00-0014	LF		3/4" x 7-1/2" High Beech Riser.....	39.51	6.64
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.07	
06 43 13 00-0015	LF		3/4" x 7-1/2" High Oak Riser.....	37.10	6.64
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.07	
06 43 13 00-0016	LF		3/4" x 7-1/2" High Fir Riser.....	21.60	6.64
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.07	
06 43 13 00-0017	LF		3/4" x 7-1/2" High Pine Riser.....	20.84	6.64
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.07	
06 43 13 00-0018	SF		Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing.....	44.62	
06 43 13 00-0019			<b>Interior Box Stairs</b> (06 43 13)		
			Note: Factory cut and assembled straight closed box stairs, unfinished.		
06 43 13 00-0020	EA		30" Wide Pine Box Stair, Per Riser.....	290.45	66.34
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.79	
			<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	72.43	
			<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	23.84	
			<i>For Oak Or Maple Treads, Add</i>	88.07	
06 43 13 00-0021	EA		32" Wide Pine Box Stair, Per Riser.....	308.03	67.86
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.29	
			<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	73.07	
			<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	24.11	
			<i>For Oak Or Maple Treads, Add</i>	95.00	
06 43 13 00-0022	EA		34" Wide Pine Box Stair, Per Riser.....	324.56	68.63
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.55	
			<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	73.41	
			<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	24.25	
			<i>For Oak Or Maple Treads, Add</i>	101.94	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13 00-0023 EA 36" Wide Pine Box Stair, Per Riser.....	343.70	69.39
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.79	
<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	73.73	
<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	24.39	
<i>For Oak Or Maple Treads, Add</i>	110.07	
06 43 13 00-0024 EA 38" Wide Pine Box Stair, Per Riser.....	355.01	70.15
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.04	
<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	74.06	
<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	24.52	
<i>For Oak Or Maple Treads, Add</i>	114.67	
06 43 13 00-0025 EA 40" Wide Pine Box Stair, Per Riser.....	367.41	71.68
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.55	
<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	74.71	
<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	24.80	
<i>For Oak Or Maple Treads, Add</i>	119.26	
06 43 13 00-0026 EA 42" Wide Pine Box Stair, Per Riser.....	378.72	72.44
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.80	
<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	75.04	
<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	24.93	
<i>For Oak Or Maple Treads, Add</i>	123.86	
06 43 13 00-0027 EA 44" Wide Pine Box Stair, Per Riser.....	390.04	73.20
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.05	
<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	75.37	
<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	25.07	
<i>For Oak Or Maple Treads, Add</i>	128.46	
06 43 13 00-0028 EA 46" Wide Pine Box Stair, Per Riser.....	401.31	73.96
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.29	
<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	75.69	
<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	25.20	
<i>For Oak Or Maple Treads, Add</i>	133.06	
06 43 13 00-0029 EA 48" Wide Pine Box Stair, Per Riser.....	414.70	76.25
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.05	
<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	76.68	
<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	25.62	
<i>For Oak Or Maple Treads, Add</i>	137.60	

**06 43 16 Wood Railings** (06 43)

 06 43 16 00-0001 Handrails (06 43 16)

 06 43 16 00-0002 Wood Handrail With Brackets (06 43 16 00-0001)

Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.

06 43 16 00-0003 LF 1-1/2" x 1-11/16", Wood Handrail With Brackets .....	17.92	5.45
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.50	
06 43 16 00-0004 LF 1-7/8" x 2-5/8", Wood Handrail With Brackets .....	19.34	5.45
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.50	
06 43 16 00-0005 LF 1-1/2" Diameter, Wood Handrail With Brackets .....	24.07	5.45
06 43 16 00-0006 LF 1-3/4" Diameter, Wood Handrail With Brackets .....	25.25	5.45
06 43 16 00-0007 LF 2" Diameter, Wood Handrail With Brackets .....	29.50	5.45
06 43 16 00-0008 LF 2-1/2" Diameter, Wood Handrail With Brackets .....	42.62	5.45

**06 44 Ornamental Woodwork** (06 40)
**06 44 39 Wood Posts and Columns** (06 44)

 06 44 39 00-0001 Columns (06 44 39)

 06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)

Note: Paint grade/finger jointed pine.

06 44 39 00-0003 LF 6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	72.28	6.47
06 44 39 00-0004 LF 8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	90.20	9.45
06 44 39 00-0005 LF 10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	110.85	10.95
06 44 39 00-0006 LF 12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	133.03	11.44
06 44 39 00-0007 LF 14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	299.57	12.94
06 44 39 00-0008 LF 16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	348.25	13.93
06 44 39 00-0009 LF 18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	419.59	14.93
06 44 39 00-0010 LF 20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	501.36	15.93
06 44 39 00-0011 LF 6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	83.42	6.47
06 44 39 00-0012 LF 8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	99.14	9.45
06 44 39 00-0013 LF 10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	123.19	10.95
06 44 39 00-0014 LF 12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	146.22	11.44
06 44 39 00-0015 LF 14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	326.37	12.94
06 44 39 00-0016 LF 16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	444.41	13.93
06 44 39 00-0017 LF 18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	479.16	14.93
06 44 39 00-0018 LF 20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	539.65	15.93

 06 44 39 00-0019 Pine Colonial Columns, Round Non Tapered With Cap And Base (06 44 39 00-0001)

Note: Paint grade/finger jointed pine.

06 44 39 00-0020 LF 6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	87.25	6.47
06 44 39 00-0021 LF 8" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	107.22	9.45
06 44 39 00-0022 LF 10" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	132.97	10.95
06 44 39 00-0023 LF 12" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	160.69	11.44

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 44 Ornamental Woodwork**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 44 39 00-0024	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	368.96	12.94
06 44 39 00-0025	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	429.52	13.93
06 44 39 00-0026	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	518.43	14.93
06 44 39 00-0027	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	620.41	15.93
06 44 39 00-0028	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	101.21	6.47
06 44 39 00-0029	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	119.43	9.45
06 44 39 00-0030	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	148.97	10.95
06 44 39 00-0031	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	177.62	11.44
06 44 39 00-0032	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	402.53	12.94
06 44 39 00-0033	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	550.05	13.93
06 44 39 00-0034	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	593.10	14.93
06 44 39 00-0035	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	668.44	15.93

**06 44 39 00-0036 Pine Classical Columns, Round Tapered With Cap And Base (06 44 39 00-0001)**

Note: Paint grade/finger jointed pine.

06 44 39 00-0037	LF	6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base .....	77.57	6.47
06 44 39 00-0038	LF	8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base .....	96.58	9.45
06 44 39 00-0039	LF	10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base .....	118.86	10.95
06 44 39 00-0040	LF	12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base .....	142.96	11.44
06 44 39 00-0041	LF	6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base .....	89.72	6.47
06 44 39 00-0042	LF	8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base .....	106.31	9.45
06 44 39 00-0043	LF	10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base .....	132.31	10.95
06 44 39 00-0044	LF	12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base .....	157.33	11.44

**06 44 39 00-0045 Redwood Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)**

Note: Paint grade/finger jointed redwood.

06 44 39 00-0046	LF	6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	122.14	6.47
06 44 39 00-0047	LF	8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	146.37	9.45
06 44 39 00-0048	LF	10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	182.75	10.95
06 44 39 00-0049	LF	12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	224.08	11.44
06 44 39 00-0050	LF	6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	140.86	6.47
06 44 39 00-0051	LF	8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	166.36	9.45
06 44 39 00-0052	LF	10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	206.16	10.95
06 44 39 00-0053	LF	12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	254.72	11.44

**06 44 39 00-0054 Ornamental Or Decorative Cap And Bases, Resin (06 44 39 00-0001)**

Note: For tapered wood columns.

06 44 39 00-0055	EA	6" Resin Corinthian Capital And Base.....	384.28	13.44
06 44 39 00-0056	EA	8" Resin Corinthian Capital And Base.....	582.98	14.93
06 44 39 00-0057	EA	10" Resin Corinthian Capital And Base.....	813.46	17.42
06 44 39 00-0058	EA	12" Resin Corinthian Capital And Base.....	1,039.68	19.91
06 44 39 00-0059	EA	6" Resin Greek Erectheum Cap And Base .....	341.73	13.44
06 44 39 00-0060	EA	8" Resin Greek Erectheum Cap And Base .....	476.61	14.93
06 44 39 00-0061	EA	10" Resin Greek Erectheum Cap And Base .....	592.21	17.42
06 44 39 00-0062	EA	12" Resin Greek Erectheum Cap And Base .....	775.89	19.91
06 44 39 00-0063	EA	6" Resin Roman Ionic Capital And Base.....	359.75	13.93
06 44 39 00-0064	EA	8" Resin Roman Ionic Capital And Base.....	476.61	14.93
06 44 39 00-0065	EA	10" Resin Roman Ionic Capital And Base.....	592.21	17.42
06 44 39 00-0066	EA	12" Resin Roman Ionic Capital And Base.....	754.62	19.91
06 44 39 00-0067	EA	6" Resin Scamozzi Capital And Base .....	364.00	13.93
06 44 39 00-0068	EA	8" Resin Scamozzi Capital And Base .....	519.16	14.93
06 44 39 00-0069	EA	10" Resin Scamozzi Capital And Base.....	613.48	17.42
06 44 39 00-0070	EA	12" Resin Scamozzi Capital And Base .....	843.97	19.91
06 44 39 00-0071	EA	6" Resin Temple Of Winds Cap And Base.....	364.00	13.93
06 44 39 00-0072	EA	8" Resin Temple Of Winds Cap And Base.....	565.96	14.93
06 44 39 00-0073	EA	10" Resin Temple Of Winds Cap And Base.....	749.64	17.42
06 44 39 00-0074	EA	12" Resin Temple Of Winds Cap And Base.....	929.06	19.91

**06 44 39 00-0075 Ornamental Or Decorative Cap And Bases, Plaster (06 44 39 00-0001)**

Note: For tapered wood columns.

06 44 39 00-0076	EA	6" Plaster Corinthian Capital And Base.....	779.97	13.44
06 44 39 00-0077	EA	8" Plaster Corinthian Capital And Base.....	876.55	14.93
06 44 39 00-0078	EA	10" Plaster Corinthian Capital And Base.....	1,115.54	17.42
06 44 39 00-0079	EA	12" Plaster Corinthian Capital And Base.....	1,226.89	19.91
06 44 39 00-0080	EA	6" Plaster Greek Erectheum Cap And Base .....	516.18	13.44
06 44 39 00-0081	EA	8" Plaster Greek Erectheum Cap And Base .....	600.00	14.93
06 44 39 00-0082	EA	10" Plaster Greek Erectheum Cap And Base .....	741.13	17.42
06 44 39 00-0083	EA	12" Plaster Greek Erectheum Cap And Base .....	933.32	19.91
06 44 39 00-0084	EA	6" Plaster Roman Ionic Capital And Base.....	495.90	13.93
06 44 39 00-0085	EA	8" Plaster Roman Ionic Capital And Base.....	651.05	14.93
06 44 39 00-0086	EA	10" Plaster Roman Ionic Capital And Base.....	787.93	17.42
06 44 39 00-0087	EA	12" Plaster Roman Ionic Capital And Base.....	933.32	19.91
06 44 39 00-0088	EA	6" Plaster Scamozzi Capital And Base .....	589.51	13.93
06 44 39 00-0089	EA	8" Plaster Scamozzi Capital And Base .....	782.95	14.93
06 44 39 00-0090	EA	10" Plaster Scamozzi Capital And Base .....	881.53	17.42
06 44 39 00-0091	EA	12" Plaster Scamozzi Capital And Base .....	1,120.52	19.91
06 44 39 00-0092	EA	6" Plaster Temple Of Winds Cap And Base.....	495.90	13.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0093 EA 8" Plaster Temple Of Winds Cap And Base.....	642.54	14.93
06 44 39 00-0094 EA 10" Plaster Temple Of Winds Cap And Base.....	838.99	17.42
06 44 39 00-0095 EA 12" Plaster Temple Of Winds Cap And Base.....	1,073.72	19.91
06 44 39 00-0096 EA 6" Plaster Empire Capital And Base .....	559.72	13.93
06 44 39 00-0097 EA 8" Plaster Empire Capital And Base .....	685.09	14.93
06 44 39 00-0098 EA 10" Plaster Empire Capital And Base .....	834.73	17.42
06 44 39 00-0099 EA 12" Plaster Empire Capital And Base .....	933.32	19.91

**06 46 Wood Trim** (06 40)

**06 46 13 Wood Door and Window Casings** (06 46)

**06 46 13 00-0001 Door and Window Casings** (06 46 13)

06 46 13 00-0002 LF 1-1/8" Wide Plain Pine Door And Window Molding.....	5.18	1.74
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.89	
06 46 13 00-0003 LF 1-1/8" Wide Detailed Pine Door And Window Molding.....	5.23	1.74
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.89	
06 46 13 00-0004 LF 2-1/2" Wide Pine Complete Door And Window Trim.....	6.61	1.74
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.89	

**06 46 19 Wood Base and Shoe Moldings** (06 46)

**06 46 19 00-0001 Base And Shoe Molding** (06 46 19)

06 46 19 00-0002 LF 1/2" x 1/2" Pine Quarter Round Trim .....	5.33	2.07
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.04	
06 46 19 00-0003 LF 3/4" x 3/4" Pine Quarter Round Trim .....	5.73	2.07
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.04	
06 46 19 00-0004 LF 3-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	6.89	1.31
<i>For Clear Birch, Add</i>	0.81	
<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	1.57	
<i>For Stain Grade Material (No Finger Joints), Add</i>	0.46	
<i>For Clear Poplar, Add</i>	0.51	
06 46 19 00-0005 LF 4-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	8.37	1.63
<i>For Clear Birch, Add</i>	0.93	
<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	1.86	
<i>For Stain Grade Material (No Finger Joints), Add</i>	0.53	
<i>For Clear Poplar, Add</i>	0.58	
06 46 19 00-0006 LF 5-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	10.50	1.85
<i>For Clear Birch, Add</i>	1.44	
<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	2.63	
<i>For Stain Grade Material (No Finger Joints), Add</i>	0.81	
<i>For Clear Poplar, Add</i>	0.90	
06 46 19 00-0007 LF 3/4" x 1" Oak Base Shoe .....	6.75	2.07
06 46 19 00-0008 LF 3/4" x 1" White Pine Base Shoe, Stain Grade.....	6.52	2.07
06 46 19 00-0009 LF 3/4" x 1" White Pine Base Shoe, Paint Grade.....	6.01	2.07

**06 46 23 Wood Chair Rails** (06 46)

**06 46 23 00-0001 Chair Rails** (06 46 23)

06 46 23 00-0002 LF 5/8" x 2-1/2" White Pine Shaped Chair Rail.....	8.51	1.96
<i>For Birch, Add</i>	1.33	
<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.30	
<i>For Poplar, Add</i>	0.83	
06 46 23 00-0003 LF 5/8" x 3-1/2" White Pine Shaped Chair Rail.....	10.62	1.96
<i>For Birch, Add</i>	2.00	
<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.25	
<i>For Poplar, Add</i>	1.25	
06 46 23 00-0004 LF 1/2" x 1-5/8" White Pine Shaped Chair Rail.....	6.31	1.96
<i>For Birch, Add</i>	0.97	
<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.70	
<i>For Poplar, Add</i>	0.61	

**06 46 26 Wood Cornices** (06 46)

**06 46 26 00-0001 Wood Cornices** (06 46 26)

06 46 26 00-0002 LF 1" x 2" White Pine Cornices, All Dimensions Are Nominal.....	6.25	1.96
<i>For Birch, Add</i>	0.68	
<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	1.29	
<i>For Poplar, Add</i>	0.85	
06 46 26 00-0003 LF 1" x 4" White Pine Cornices, All Dimensions Are Nominal.....	7.96	2.07
<i>For Birch, Add</i>	1.23	
<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	1.99	
<i>For Poplar, Add</i>	1.54	
06 46 26 00-0004 LF 1" x 6" White Pine Cornices, All Dimensions Are Nominal.....	11.25	2.17
<i>For Birch, Add</i>	2.35	
<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	3.41	
<i>For Poplar, Add</i>	2.93	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 26 00-0005	LF		1" x 8" White Pine Cornices, All Dimensions Are Nominal.....	13.05	2.17
			<i>For Birch, Add</i>	2.92	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	4.14	
			<i>For Poplar, Add</i>	3.65	
06 46 26 00-0006	LF		1" x 10" White Pine Cornices, All Dimensions Are Nominal.....	15.12	2.29
			<i>For Birch, Add</i>	3.58	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	4.99	
			<i>For Poplar, Add</i>	4.47	
06 46 26 00-0007	LF		1" x 12" White Pine Cornices, All Dimensions Are Nominal.....	19.59	2.51
			<i>For Birch, Add</i>	5.09	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	6.91	
			<i>For Poplar, Add</i>	6.36	
<b>06 46 29 Wood Fasciae and Soffits (06 46)</b>					
06 46 29 00-0001			Fascia Board (06 46 29)		
06 46 29 00-0002			Pine Fascia Board (06 46 29 00-0001)		
06 46 29 00-0003	LF		1" x 6" Pine Fascia Board .....	5.48	2.17
06 46 29 00-0004	LF		1" x 8" Pine Fascia Board .....	6.34	2.42
06 46 29 00-0005	LF		1" x 10" Pine Fascia Board .....	6.93	2.54
06 46 29 00-0006	LF		1" x 12" Pine Fascia Board .....	8.29	2.84
06 46 29 00-0007	LF		2" x 6" Pine Fascia Board .....	5.40	2.17
06 46 29 00-0008	LF		2" x 8" Pine Fascia Board .....	6.22	2.42
06 46 29 00-0009	LF		2" x 10" Pine Fascia Board .....	7.10	2.54
06 46 29 00-0010	LF		2" x 12" Pine Fascia Board .....	8.80	2.84
06 46 29 00-0011	LF		2" x 6" Trim, Exterior, Pine, Resawn Fascia.....	6.73	2.17
06 46 29 00-0012	LF		2" x 8" Trim, Exterior, Pine, Resawn Fascia.....	7.96	2.42
06 46 29 00-0013	LF		2" x 10" Trim, Exterior, Pine, Resawn Fascia.....	9.04	2.54
06 46 29 00-0014	LF		2" x 12" Trim, Exterior, Pine, Resawn Fascia.....	11.68	2.84
06 46 29 00-0015			Cedar Fascia Board (06 46 29 00-0001)		
06 46 29 00-0016	LF		1" x 6" Cedar Fascia Board.....	6.02	2.17
06 46 29 00-0017	LF		1" x 8" Cedar Fascia Board.....	7.17	2.42
06 46 29 00-0018	LF		1" x 10" Cedar Fascia Board.....	8.54	2.54
06 46 29 00-0019	LF		1" x 12" Cedar Fascia Board.....	10.56	2.84
06 46 29 00-0020			Engineered Wood Fascia Board (06 46 29 00-0001)		
06 46 29 00-0021	LF		1" x 6" Engineered Wood Fascia Board.....	5.17	2.17
06 46 29 00-0022	LF		1" x 8" Engineered Wood Fascia Board.....	5.92	2.42
06 46 29 00-0023	LF		1" x 12" Engineered Wood Fascia Board.....	7.32	2.84
06 46 29 00-0024			Soffit (06 46 29)		
06 46 29 00-0025			Sanded Plywood Soffit (06 46 29 00-0024)		
06 46 29 00-0026	SF		3/8" Thick, Sanded Plywood Soffit.....	5.09	1.65
06 46 29 00-0027	SF		1/2" Thick, Sanded Plywood Soffit.....	5.68	1.74
06 46 29 00-0028	SF		5/8" Thick, Sanded Plywood Soffit.....	5.97	1.81
06 46 29 00-0029	SF		3/4" Thick, Sanded Plywood Soffit.....	6.74	1.91
06 46 29 00-0030			MDO Plywood Soffit (06 46 29 00-0024)		
06 46 29 00-0031	SF		3/8" Thick, MDO Plywood Soffit.....	5.92	1.65
06 46 29 00-0032	SF		1/2" Thick, MDO Plywood Soffit.....	6.74	1.74
06 46 29 00-0033	SF		3/4" Thick, MDO Plywood Soffit.....	8.78	1.91
06 46 29 00-0034			Exterior Ceiling Gypsum Board Soffit (06 46 29 00-0024)		
06 46 29 00-0035	SF		1/2" Thick, Exterior Ceiling Gypsum Board Soffit.....	3.50	1.43
06 46 29 00-0036	SF		5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit .....	3.78	1.51
06 48			Wood Frames (06 40)		
			Note: Includes perimeter caulk, sealant (as required), anchors and silencers.		
06 48 13			Exterior Wood Door Frames (06 48)		
06 48 13 00-0001			Exterior Door Frames (06 48 13)		
			Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.		
06 48 13 00-0002	EA		3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim .....	390.14	61.79
			<i>For Birch, Add</i>	93.33	
			<i>For Mahogany, Add</i>	226.67	
06 48 13 00-0003	EA		3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim .....	410.69	64.75
			<i>For Birch, Add</i>	98.62	
			<i>For Mahogany, Add</i>	239.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 48 13 00-0004 EA 4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim .....	431.25	67.28
<i>For Birch, Add</i>	103.89	
<i>For Mahogany, Add</i>	252.30	
06 48 13 00-0005 EA 5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim .....	471.01	72.00
<i>For Birch, Add</i>	114.43	
<i>For Mahogany, Add</i>	277.90	
06 48 13 00-0006 EA 6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim .....	511.44	77.15
<i>For Birch, Add</i>	124.99	
<i>For Mahogany, Add</i>	303.54	
06 48 13 00-0007 EA 3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim .....	613.83	62.01
06 48 13 00-0008 EA 3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim .....	623.37	64.75
06 48 13 00-0009 EA 4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim .....	632.89	67.50
06 48 13 00-0010 EA 5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim .....	649.81	71.89
06 48 13 00-0011 EA 6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim .....	669.02	77.38
06 48 13 00-0012 EA 3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim .....	467.12	62.01
06 48 13 00-0013 EA 3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim .....	489.91	64.75
06 48 13 00-0014 EA 4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim .....	512.79	67.50
06 48 13 00-0015 EA 5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim .....	556.18	71.89
06 48 13 00-0016 EA 6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim .....	601.77	77.38

**06 48 16 Interior Wood Door Frames (06 48)**

**06 48 16 00-0001 Interior Door Frames (06 48 16)**

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002 EA 2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim .....	196.82	29.41
<i>For Oak Or Maple, Add</i>	42.79	
<i>For Birch, Add</i>	48.31	
<i>For Mahogany, Add</i>	117.32	
<i>For Walnut Frame, Add</i>	62.11	
06 48 16 00-0003 EA 2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim .....	198.25	29.53
<i>For Oak Or Maple, Add</i>	43.15	
<i>For Birch, Add</i>	48.71	
<i>For Mahogany, Add</i>	118.30	
<i>For Walnut Frame, Add</i>	62.63	
06 48 16 00-0004 EA 2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim .....	200.46	30.08
<i>For Oak Or Maple, Add</i>	43.47	
<i>For Birch, Add</i>	49.08	
<i>For Mahogany, Add</i>	119.20	
<i>For Walnut Frame, Add</i>	63.10	
06 48 16 00-0005 EA 3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim .....	203.35	30.84
<i>For Oak Or Maple, Add</i>	43.90	
<i>For Birch, Add</i>	49.56	
<i>For Mahogany, Add</i>	120.37	
<i>For Walnut Frame, Add</i>	63.72	
06 48 16 00-0006 EA 3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim .....	207.93	31.61
<i>For Oak Or Maple, Add</i>	44.83	
<i>For Birch, Add</i>	50.61	
<i>For Mahogany, Add</i>	122.92	
<i>For Walnut Frame, Add</i>	65.07	
06 48 16 00-0007 EA 4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim .....	219.47	33.58
<i>For Oak Or Maple, Add</i>	47.20	
<i>For Birch, Add</i>	53.29	
<i>For Mahogany, Add</i>	129.41	
<i>For Walnut Frame, Add</i>	68.51	
06 48 16 00-0008 EA 5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim .....	232.64	36.33
<i>For Oak Or Maple, Add</i>	49.58	
<i>For Birch, Add</i>	55.98	
<i>For Mahogany, Add</i>	135.94	
<i>For Walnut Frame, Add</i>	71.97	
06 48 16 00-0009 EA 6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim .....	244.73	38.63
<i>For Oak Or Maple, Add</i>	51.95	
<i>For Birch, Add</i>	58.65	
<i>For Mahogany, Add</i>	142.43	
<i>For Walnut Frame, Add</i>	75.41	
06 48 16 00-0010 LF 4-9/16", Pine Interior Door Frame .....	7.79	2.63
<i>For Oak Or Maple, Add</i>	0.78	
<i>For Birch, Add</i>	0.89	
<i>For Mahogany, Add</i>	2.15	
<i>For Walnut Frame, Add</i>	1.14	

**06 50 Structural Plastics (06)**

**06 51 Structural Plastic Shapes and Plates (06 50)**

**06 51 13 Plastic Lumber (06 51)**

**06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber (06 51 13)**

06 51 13 00-0002 LF 2" x 6", Beam Or Girder, Recycled Plastic Lumber .....	10.76	1.77
<i>For Reinforced Structural Plastic Lumber, Add</i>	3.05	
Note: High density polyethylene combined with fiberglass.		
<i>For Brown Color, Add</i>	0.74	
<i>For White Color, Add</i>	3.50	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.97	

**06 Wood, Plastics, and Composites****06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0003	LF		2" x 8", Beam Or Girder, Recycled Plastic Lumber .....	13.69	1.92
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.05	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.99	
			<i>For White Color, Add</i>	4.65	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.94	
06 51 13 00-0004	LF		2" x 10", Beam Or Girder, Recycled Plastic Lumber .....	16.36	2.07
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.96	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.21	
			<i>For White Color, Add</i>	5.70	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.82	
06 51 13 00-0005	LF		3" x 10", Beam Or Girder, Recycled Plastic Lumber .....	23.84	2.46
			<i>For Reinforced Structural Plastic Lumber, Add</i>	7.52	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.83	
			<i>For White Color, Add</i>	8.64	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.32	
06 51 13 00-0006	LF		3" x 12", Beam Or Girder, Recycled Plastic Lumber .....	28.52	2.76
			<i>For Reinforced Structural Plastic Lumber, Add</i>	9.09	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.21	
			<i>For White Color, Add</i>	10.44	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.85	
06 51 13 00-0007	LF		4" x 4", Beam Or Girder, Recycled Plastic Lumber .....	15.49	2.38
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.47	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.09	
			<i>For White Color, Add</i>	5.14	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.35	
06 51 13 00-0008	LF		4" x 6", Beam Or Girder, Recycled Plastic Lumber .....	20.79	2.53
			<i>For Reinforced Structural Plastic Lumber, Add</i>	6.35	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.55	
			<i>For White Color, Add</i>	7.30	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.18	
06 51 13 00-0009	LF		5" x 5", Beam Or Girder, Recycled Plastic Lumber .....	21.65	2.61
			<i>For Reinforced Structural Plastic Lumber, Add</i>	6.63	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.61	
			<i>For White Color, Add</i>	7.61	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.45	
06 51 13 00-0010	LF		6" x 6", Beam Or Girder, Recycled Plastic Lumber .....	29.77	2.85
			<i>For Reinforced Structural Plastic Lumber, Add</i>	9.51	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.31	
			<i>For White Color, Add</i>	10.92	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	9.25	
06 51 13 00-0011	LF		6" x 8", Beam Or Girder, Recycled Plastic Lumber .....	40.51	3.00
			<i>For Reinforced Structural Plastic Lumber, Add</i>	13.40	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	3.26	
			<i>For White Color, Add</i>	15.39	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	13.04	
06 51 13 00-0012			<b>Joists, Recycled Plastic Lumber</b> (06 51 13)		
06 51 13 00-0013	LF		2" x 4", Joist, Recycled Plastic Lumber .....	6.98	0.99
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.05	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.50	
			<i>For White Color, Add</i>	2.36	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.00	
06 51 13 00-0014	LF		2" x 6", Joist, Recycled Plastic Lumber .....	9.67	1.05
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.05	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.74	
			<i>For White Color, Add</i>	3.50	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.97	
06 51 13 00-0015	LF		2" x 8", Joist, Recycled Plastic Lumber .....	12.60	1.15
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.05	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.99	
			<i>For White Color, Add</i>	4.65	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.94	
06 51 13 00-0016	LF		2" x 10", Joist, Recycled Plastic Lumber .....	15.37	1.38
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.96	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.21	
			<i>For White Color, Add</i>	5.70	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0017 LF 3" x 10", Joist, Recycled Plastic Lumber .....	22.64	1.62
For Reinforced Structural Plastic Lumber, Add	7.52	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.83	
For White Color, Add	8.64	
For All Other Colors (Except Black, Brown Or White), Add	7.32	
06 51 13 00-0018 LF 3" x 12", Joist, Recycled Plastic Lumber .....	27.54	2.07
For Reinforced Structural Plastic Lumber, Add	9.09	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.21	
For White Color, Add	10.44	
For All Other Colors (Except Black, Brown Or White), Add	8.85	
06 51 13 00-0019 LF 4" x 4", Joist, Recycled Plastic Lumber .....	14.17	1.46
For Reinforced Structural Plastic Lumber, Add	4.47	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.09	
For White Color, Add	5.14	
For All Other Colors (Except Black, Brown Or White), Add	4.35	
06 51 13 00-0020 LF 4" x 6", Joist, Recycled Plastic Lumber .....	19.37	1.53
For Reinforced Structural Plastic Lumber, Add	6.35	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.55	
For White Color, Add	7.30	
For All Other Colors (Except Black, Brown Or White), Add	6.18	
06 51 13 00-0021 LF 5" x 5", Joist, Recycled Plastic Lumber .....	20.32	1.69
For Reinforced Structural Plastic Lumber, Add	6.63	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.61	
For White Color, Add	7.61	
For All Other Colors (Except Black, Brown Or White), Add	6.45	
06 51 13 00-0022 LF 6" x 6", Joist, Recycled Plastic Lumber .....	28.44	1.92
For Reinforced Structural Plastic Lumber, Add	9.51	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.31	
For White Color, Add	10.92	
For All Other Colors (Except Black, Brown Or White), Add	9.25	
06 51 13 00-0023 LF 6" x 8", Joist, Recycled Plastic Lumber .....	39.19	2.07
For Reinforced Structural Plastic Lumber, Add	13.40	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	3.26	
For White Color, Add	15.39	
For All Other Colors (Except Black, Brown Or White), Add	13.04	
<b>06 51 13 00-0024 Columns, Recycled Plastic Lumber</b> (06 51 13)		
06 51 13 00-0025 LF 4" x 4", Column, Recycled Plastic Lumber .....	16.59	3.15
For Reinforced Structural Plastic Lumber, Add	4.47	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.09	
For White Color, Add	5.14	
For All Other Colors (Except Black, Brown Or White), Add	4.35	
06 51 13 00-0026 LF 4" x 6", Column, Recycled Plastic Lumber .....	23.53	4.45
For Reinforced Structural Plastic Lumber, Add	6.35	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.55	
For White Color, Add	7.30	
For All Other Colors (Except Black, Brown Or White), Add	6.18	
06 51 13 00-0027 LF 5" x 5", Column, Recycled Plastic Lumber .....	25.05	4.99
For Reinforced Structural Plastic Lumber, Add	6.63	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.61	
For White Color, Add	7.61	
For All Other Colors (Except Black, Brown Or White), Add	6.45	
06 51 13 00-0028 LF 6" x 6", Column, Recycled Plastic Lumber .....	33.82	5.68
For Reinforced Structural Plastic Lumber, Add	9.51	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.31	
For White Color, Add	10.92	
For All Other Colors (Except Black, Brown Or White), Add	9.25	
06 51 13 00-0029 LF 6" x 8", Column, Recycled Plastic Lumber .....	46.21	6.99
For Reinforced Structural Plastic Lumber, Add	13.40	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	3.26	
For White Color, Add	15.39	
For All Other Colors (Except Black, Brown Or White), Add	13.04	
<b>06 51 13 00-0030 Walls, Recycled Plastic Lumber</b> (06 51 13)		
06 51 13 00-0031 LF 2" x 3", Walls, Recycled Plastic Lumber .....	6.28	0.99
For Reinforced Structural Plastic Lumber, Add	1.79	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.44	
For White Color, Add	2.06	
For All Other Colors (Except Black, Brown Or White), Add	1.75	

**06 Wood, Plastics, and Composites****06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0032	LF	2" x 4", Walls, Recycled Plastic Lumber	.....	7.20	1.15
		<i>For Reinforced Structural Plastic Lumber, Add</i>		2.05	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		0.50	
		<i>For White Color, Add</i>		2.36	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		2.00	
06 51 13 00-0033	LF	2" x 6", Walls, Recycled Plastic Lumber	.....	10.00	1.23
		<i>For Reinforced Structural Plastic Lumber, Add</i>		3.05	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		0.74	
		<i>For White Color, Add</i>		3.50	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		2.97	
06 51 13 00-0034	LF	2" x 8", Walls, Recycled Plastic Lumber	.....	12.81	1.30
		<i>For Reinforced Structural Plastic Lumber, Add</i>		4.05	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		0.99	
		<i>For White Color, Add</i>		4.65	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		3.94	
<b>06 51 13 00-0035</b>		<b>Other Shapes, Recycled Plastic Lumber</b> <small>(06 51 13)</small>			
06 51 13 00-0036	LF	5/4" x 4", Other Shapes, Recycled Plastic Lumber	.....	6.12	0.87
		<i>For Reinforced Structural Plastic Lumber, Add</i>		1.77	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		0.43	
		<i>For White Color, Add</i>		2.03	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		1.72	
06 51 13 00-0037	LF	5/4" x 6", Other Shapes, Recycled Plastic Lumber	.....	7.76	0.99
		<i>For Reinforced Structural Plastic Lumber, Add</i>		2.35	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		0.57	
		<i>For White Color, Add</i>		2.69	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		2.28	
06 51 13 00-0038	LF	5/4" x 8", Recycled Plastic Lumber	.....	10.13	0.99
		<i>For Reinforced Structural Plastic Lumber, Add</i>		3.22	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		0.78	
		<i>For White Color, Add</i>		3.70	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		3.14	
06 51 13 00-0039	LF	1" x 4", Other Shapes, Recycled Plastic Lumber	.....	6.16	0.87
		<i>For Reinforced Structural Plastic Lumber, Add</i>		1.78	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		0.43	
		<i>For White Color, Add</i>		2.05	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		1.74	
06 51 13 00-0040	LF	1" x 6", Other Shapes, Recycled Plastic Lumber	.....	6.80	0.99
		<i>For Reinforced Structural Plastic Lumber, Add</i>		1.99	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		0.48	
		<i>For White Color, Add</i>		2.29	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		1.94	
06 51 13 00-0041	LF	1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	.....	6.92	0.99
		<i>For Reinforced Structural Plastic Lumber, Add</i>		2.04	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		0.50	
		<i>For White Color, Add</i>		2.34	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		1.98	
06 51 13 00-0042	LF	2" x 2", Other Shapes, Recycled Plastic Lumber	.....	4.28	0.84
		<i>For Reinforced Structural Plastic Lumber, Add</i>		1.14	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		0.28	
		<i>For White Color, Add</i>		1.30	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		1.11	
06 51 13 00-0043	LF	2" x 3", Other Shapes, Recycled Plastic Lumber	.....	6.28	0.99
		<i>For Reinforced Structural Plastic Lumber, Add</i>		1.79	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		0.44	
		<i>For White Color, Add</i>		2.06	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		1.75	
06 51 13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber	.....	7.20	1.15
		<i>For Reinforced Structural Plastic Lumber, Add</i>		2.05	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		0.50	
		<i>For White Color, Add</i>		2.36	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		2.00	
06 51 13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber	.....	10.00	1.23
		<i>For Reinforced Structural Plastic Lumber, Add</i>		3.05	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		0.74	
		<i>For White Color, Add</i>		3.50	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		2.97	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0046 LF 2" x 8", Other Shapes, Recycled Plastic Lumber .....	12.81	1.30
<i>For Reinforced Structural Plastic Lumber, Add</i>	4.05	
<i>Note: High density polyethylene combined with fiberglass.</i>		
<i>For Brown Color, Add</i>	0.99	
<i>For White Color, Add</i>	4.65	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.94	
06 51 13 00-0047 LF 2" x 10", Other Shapes, Recycled Plastic Lumber .....	15.37	1.38
<i>For Reinforced Structural Plastic Lumber, Add</i>	4.96	
<i>Note: High density polyethylene combined with fiberglass.</i>		
<i>For Brown Color, Add</i>	1.21	
<i>For White Color, Add</i>	5.70	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.82	
06 51 13 00-0048 LF 2" x 12", Other Shapes, Recycled Plastic Lumber .....	18.56	1.46
<i>For Reinforced Structural Plastic Lumber, Add</i>	6.10	
<i>Note: High density polyethylene combined with fiberglass.</i>		
<i>For Brown Color, Add</i>	1.48	
<i>For White Color, Add</i>	7.01	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.94	
06 51 13 00-0049 LF 3" x 4", Other Shapes, Recycled Plastic Lumber .....	10.28	1.34
<i>For Reinforced Structural Plastic Lumber, Add</i>	3.09	
<i>Note: High density polyethylene combined with fiberglass.</i>		
<i>For Brown Color, Add</i>	0.75	
<i>For White Color, Add</i>	3.55	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.01	
06 51 13 00-0050 LF 3" x 6", Other Shapes, Recycled Plastic Lumber .....	15.02	1.43
<i>For Reinforced Structural Plastic Lumber, Add</i>	4.80	
<i>Note: High density polyethylene combined with fiberglass.</i>		
<i>For Brown Color, Add</i>	1.17	
<i>For White Color, Add</i>	5.51	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.67	
06 51 13 00-0051 LF 3" x 8", Other Shapes, Recycled Plastic Lumber .....	19.53	1.53
<i>For Reinforced Structural Plastic Lumber, Add</i>	6.42	
<i>Note: High density polyethylene combined with fiberglass.</i>		
<i>For Brown Color, Add</i>	1.56	
<i>For White Color, Add</i>	7.37	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.25	
06 51 13 00-0052 LF 3" x 10", Other Shapes, Recycled Plastic Lumber .....	22.64	1.62
<i>For Reinforced Structural Plastic Lumber, Add</i>	7.52	
<i>Note: High density polyethylene combined with fiberglass.</i>		
<i>For Brown Color, Add</i>	1.83	
<i>For White Color, Add</i>	8.64	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.32	
06 51 13 00-0053 LF 3" x 12", Other Shapes, Recycled Plastic Lumber .....	27.54	2.07
<i>For Reinforced Structural Plastic Lumber, Add</i>	9.09	
<i>Note: High density polyethylene combined with fiberglass.</i>		
<i>For Brown Color, Add</i>	2.21	
<i>For White Color, Add</i>	10.44	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.85	
06 51 13 00-0054 LF 4" x 4", Other Shapes, Recycled Plastic Lumber .....	14.17	1.46
<i>For Reinforced Structural Plastic Lumber, Add</i>	4.47	
<i>Note: High density polyethylene combined with fiberglass.</i>		
<i>For Brown Color, Add</i>	1.09	
<i>For White Color, Add</i>	5.14	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.35	
06 51 13 00-0055 LF 4" x 6", Other Shapes, Recycled Plastic Lumber .....	19.37	1.53
<i>For Reinforced Structural Plastic Lumber, Add</i>	6.35	
<i>Note: High density polyethylene combined with fiberglass.</i>		
<i>For Brown Color, Add</i>	1.55	
<i>For White Color, Add</i>	7.30	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.18	
06 51 13 00-0056 LF 4" x 8", Other Shapes, Recycled Plastic Lumber .....	26.00	1.67
<i>For Reinforced Structural Plastic Lumber, Add</i>	8.74	
<i>Note: High density polyethylene combined with fiberglass.</i>		
<i>For Brown Color, Add</i>	2.13	
<i>For White Color, Add</i>	10.04	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.50	
06 51 13 00-0057 LF 5" x 5", Other Shapes, Recycled Plastic Lumber .....	20.32	1.69
<i>For Reinforced Structural Plastic Lumber, Add</i>	6.63	
<i>Note: High density polyethylene combined with fiberglass.</i>		
<i>For Brown Color, Add</i>	1.61	
<i>For White Color, Add</i>	7.61	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.45	
06 51 13 00-0058 LF 6" x 6", Other Shapes, Recycled Plastic Lumber .....	28.44	1.92
<i>For Reinforced Structural Plastic Lumber, Add</i>	9.51	
<i>Note: High density polyethylene combined with fiberglass.</i>		
<i>For Brown Color, Add</i>	2.31	
<i>For White Color, Add</i>	10.92	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	9.25	
06 51 13 00-0059 LF 6" x 8", Other Shapes, Recycled Plastic Lumber .....	39.19	2.07
<i>For Reinforced Structural Plastic Lumber, Add</i>	13.40	
<i>Note: High density polyethylene combined with fiberglass.</i>		
<i>For Brown Color, Add</i>	3.26	
<i>For White Color, Add</i>	15.39	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	13.04	

**06 Wood, Plastics, and Composites****06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	.....	55.26	2.31
		<i>For Reinforced Structural Plastic Lumber, Add</i>		19.23	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		4.68	
		<i>For White Color, Add</i>		22.09	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		18.71	
06 51 13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	.....	49.16	2.22
		<i>For Reinforced Structural Plastic Lumber, Add</i>		17.02	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		4.14	
		<i>For White Color, Add</i>		19.55	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		16.56	
06 51 13 00-0062	LF	8" x 10", Other Shapes, Recycled Plastic Lumber	.....	83.82	2.31
		<i>For Reinforced Structural Plastic Lumber, Add</i>		29.80	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		7.25	
		<i>For White Color, Add</i>		34.23	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		28.99	
06 51 13 00-0063	LF	10" x 10", Other Shapes, Recycled Plastic Lumber	.....	116.20	2.42
		<i>For Reinforced Structural Plastic Lumber, Add</i>		41.72	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		10.15	
		<i>For White Color, Add</i>		47.93	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		40.60	
06 51 13 00-0064	LF	2" Diameter, Other Shapes, Recycled Plastic Lumber	.....	4.57	0.77
		<i>For Reinforced Structural Plastic Lumber, Add</i>		1.28	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		0.31	
		<i>For White Color, Add</i>		1.47	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		1.25	
06 51 13 00-0065	LF	3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber	.....	12.99	0.99
		<i>For Reinforced Structural Plastic Lumber, Add</i>		4.28	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		1.04	
		<i>For White Color, Add</i>		4.91	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		4.16	
06 51 13 00-0066	LF	4" Diameter, Other Shapes, Recycled Plastic Lumber	.....	14.34	1.15
		<i>For Reinforced Structural Plastic Lumber, Add</i>		4.70	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		1.14	
		<i>For White Color, Add</i>		5.39	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		4.57	
06 51 13 00-0067	LF	5" Diameter, Other Shapes, Recycled Plastic Lumber	.....	17.74	1.38
		<i>For Reinforced Structural Plastic Lumber, Add</i>		5.83	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		1.42	
		<i>For White Color, Add</i>		6.70	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		5.68	
06 51 13 00-0068	LF	6" Diameter, Other Shapes, Recycled Plastic Lumber	.....	39.11	1.62
		<i>For Reinforced Structural Plastic Lumber, Add</i>		13.62	
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>		3.31	
		<i>For White Color, Add</i>		15.64	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>		13.25	
06 51 13 00-0069	SF	1/8" Thick, Other Shapes, Recycled Plastic Sheeting	.....	3.72	0.84
06 51 13 00-0070	SF	1/4" Thick, Other Shapes, Recycled Plastic Sheeting	.....	5.41	0.87
06 51 13 00-0071	SF	3/8" Thick, Other Shapes, Recycled Plastic Sheeting	.....	7.76	0.94
06 51 13 00-0072	SF	1/2" Thick, Other Shapes, Recycled Plastic Sheeting	.....	9.87	0.97

**06 52 Plastic Structural Assemblies** (06 50)**06 52 13 Plastic Columns** (06 52)**06 52 13 00-0001 Round Fiberglass Columns** (06 52 13)

06 52 13 00-0002	LF	6" Diameter, Round Fiberglass Column	.....	19.51	6.57
06 52 13 00-0003	LF	8" Diameter, Round Fiberglass Column	.....	27.53	9.55
06 52 13 00-0004	LF	10" Diameter, Round Fiberglass Column	.....	32.08	10.75
06 52 13 00-0005	LF	12" Diameter, Round Fiberglass Column	.....	40.17	11.25
06 52 13 00-0006	LF	15" Diameter, Round Fiberglass Column	.....	49.15	12.99
06 52 13 00-0007	EA	6" Diameter, Base And Cap For Round Fiberglass Columns	.....	37.71	12.44
06 52 13 00-0008	EA	8" Diameter, Base And Cap For Round Fiberglass Columns	.....	41.86	13.44
06 52 13 00-0009	EA	10" Diameter, Base And Cap For Round Fiberglass Columns	.....	49.55	14.93
06 52 13 00-0010	EA	12" Diameter, Base And Cap For Round Fiberglass Columns	.....	69.68	15.93
06 52 13 00-0011	EA	15" Diameter, Base And Cap For Round Fiberglass Columns	.....	95.45	17.42

**06 52 13 00-0012 Fluted Fiberglass Columns** (06 52 13)

06 52 13 00-0013	LF	6" Diameter, Fluted Fiberglass Column	.....	20.77	6.57
06 52 13 00-0014	LF	8" Diameter, Fluted Fiberglass Column	.....	29.20	9.55
06 52 13 00-0015	LF	10" Diameter, Fluted Fiberglass Column	.....	34.19	10.75
06 52 13 00-0016	LF	12" Diameter, Fluted Fiberglass Column	.....	43.72	11.25
06 52 13 00-0017	LF	15" Diameter, Fluted Fiberglass Column	.....	53.79	13.04
06 52 13 00-0018	EA	6" Diameter, Base And Cap For Fluted Fiberglass Columns	.....	40.27	12.44
06 52 13 00-0019	EA	8" Diameter, Base And Cap For Fluted Fiberglass Columns	.....	44.86	13.44



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 52 13 00-0020	EA			10" Diameter, Base And Cap For Fluted Fiberglass Columns .....	53.49	14.93
06 52 13 00-0021	EA			12" Diameter, Base And Cap For Fluted Fiberglass Columns .....	77.25	15.93
06 52 13 00-0022	EA			15" Diameter, Base And Cap For Fluted Fiberglass Columns .....	107.57	17.42
<b>06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns (06 52 13)</b>						
06 52 13 00-0024	EA			8" Roman Ionic Cap And Base For Fiberglass Columns .....	165.41	14.93
06 52 13 00-0025	EA			10" Roman Ionic Cap And Base For Fiberglass Columns .....	221.01	17.42
06 52 13 00-0026	EA			12" Roman Ionic Cap And Base For Fiberglass Columns .....	283.47	19.91
06 52 13 00-0027	EA			8" Scamozzi Cap And Base For Fiberglass Columns .....	197.15	14.93
06 52 13 00-0028	EA			10" Scamozzi Cap And Base For Fiberglass Columns .....	237.31	17.42
06 52 13 00-0029	EA			12" Scamozzi Cap And Base For Fiberglass Columns .....	346.96	19.91
06 52 13 00-0030	EA			8" Corinthian Cap And Base For Fiberglass Columns .....	248.63	14.93
06 52 13 00-0031	EA			10" Corinthian Cap And Base For Fiberglass Columns .....	301.65	17.42
06 52 13 00-0032	EA			12" Corinthian Cap And Base For Fiberglass Columns .....	400.15	19.91
06 52 13 00-0033	EA			8" Temple Of Winds Cap And Base For Fiberglass Columns .....	167.99	14.93
06 52 13 00-0034	EA			10" Temple Of Winds Cap And Base For Fiberglass Columns .....	226.16	17.42
06 52 13 00-0035	EA			12" Temple Of Winds Cap And Base For Fiberglass Columns .....	288.62	19.91
06 52 13 00-0036	EA			8" Greek Erectheum Cap And Base For Fiberglass Columns .....	167.99	14.93
06 52 13 00-0037	EA			10" Greek Erectheum Cap And Base For Fiberglass Columns .....	202.13	17.42
06 52 13 00-0038	EA			12" Greek Erectheum Cap And Base For Fiberglass Columns .....	267.17	19.91
<b>06 53 Plastic Decking (06 50)</b>						
<b>06 53 16 Plastic Stair Treads (06 53)</b>						
<b>06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads (06 53 16)</b>						
Note: Includes standard colors and anchors. Excludes stringers.						
06 53 16 00-0002	LF			1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer .....	37.28	2.54
06 53 16 00-0003	LF			1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer .....	50.46	3.05
06 53 16 00-0004	LF			2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer .....	81.56	3.36
<b>06 60 Plastic Fabrications (06)</b>						
<b>06 65 Plastic Trim (06 60)</b>						
<b>06 65 00 00-0001 Plastic Moldings (06 65)</b>						
Note: All dimensions are nominal.						
<b>06 65 00 00-0002 Base, Plastic Moldings (06 65 00 00-0001)</b>						
06 65 00 00-0003	LF			3-1/2" High, Base, Plastic Molding .....	7.94	2.17
06 65 00 00-0004	LF			4-1/2" High, Base, Plastic Molding .....	9.58	2.73
06 65 00 00-0005	LF			3/4" x 1", Base Shoe, Plastic Molding .....	6.99	2.29
<b>06 65 00 00-0006 Cornice, Plastic Moldings (06 65 00 00-0001)</b>						
06 65 00 00-0007	LF			1" x 2" Cornice, Plastic Molding .....	7.03	2.17
06 65 00 00-0008	LF			1" x 4" Cornice, Plastic Molding .....	9.37	2.29
06 65 00 00-0009	LF			1" x 6" Cornice, Plastic Molding .....	13.95	2.40
06 65 00 00-0010	LF			1" x 8" Cornice, Plastic Molding .....	16.39	2.51
06 65 00 00-0011	LF			1" x 10" Cornice, Plastic Molding .....	19.23	2.62
06 65 00 00-0012	LF			1" x 12" Cornice, Plastic Molding .....	25.44	2.73
<b>06 65 00 00-0013 Crown Or Bed, Plastic Moldings (06 65 00 00-0001)</b>						
06 65 00 00-0014	LF			9/16" x 1-5/8" Crown Or Bed, Plastic Molding .....	15.10	2.17
06 65 00 00-0015	LF			9/16" x 2-1/4" Crown Or Bed, Plastic Molding .....	20.49	2.73
06 65 00 00-0016	LF			9/16" x 3-1/2" Crown Or Bed, Plastic Molding .....	21.53	2.73
06 65 00 00-0017	LF			9/16" x 3-5/8" Crown Or Bed, Plastic Molding .....	22.56	2.73
06 65 00 00-0018	LF			5/8" x 4-1/4" Crown Or Bed, Plastic Molding .....	29.83	3.27
06 65 00 00-0019	LF			11/16" x 4-5/8" Crown Or Bed, Plastic Molding .....	36.23	3.27
<b>06 65 00 00-0020 Dentil, Plastic Moldings (06 65 00 00-0001)</b>						
06 65 00 00-0021	LF			11/16" x 1-3/8" Dentil, Plastic Molding .....	12.36	2.17
06 65 00 00-0022	LF			5/8" x 2-1/2" Dentil, Plastic Molding .....	14.32	2.17
06 65 00 00-0023	LF			1-3/8" x 3-3/8" Dentil, Plastic Molding .....	18.73	2.17
06 65 00 00-0024	LF			1-1/2" x 4-1/2" Dentil, Plastic Molding .....	26.34	2.17
<b>06 65 00 00-0025 Cove, Plastic Moldings (06 65 00 00-0001)</b>						
06 65 00 00-0026	LF			3/8" x 3/8" Cove, Plastic Molding .....	4.28	1.20
06 65 00 00-0027	LF			1/2" x 1/2" Cove, Plastic Molding .....	4.80	1.20
06 65 00 00-0028	LF			5/8" x 5/8" Cove, Plastic Molding .....	6.52	1.42
06 65 00 00-0029	LF			3/4" x 3/4" Cove, Plastic Molding .....	6.52	1.42
06 65 00 00-0030	LF			15/16" x 15/16" Cove, Plastic Molding .....	8.81	1.42
06 65 00 00-0031	LF			9/16" x 1-3/4" Cove, Plastic Molding .....	11.73	1.63
06 65 00 00-0032	LF			11/16" x 2-3/4" Cove, Plastic Molding .....	16.57	1.63

**06 Wood, Plastics, and Composites****06 60 Plastic Fabrications****06 65 Plastic Trim**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>06 65 00 00-0033</b>	<b>Chair Rail, Plastic Moldings</b> (06 65 00 00-0001)		
06 65 00 00-0034	LF 1/2" x 1-5/8" Chair Rail, Plastic Molding.....	7.57	1.63
06 65 00 00-0035	LF 5/8" x 2-1/2" Chair Rail, Plastic Molding.....	10.23	2.17
06 65 00 00-0036	LF 5/8" x 3-1/2" Chair Rail, Plastic Molding.....	13.21	2.17

<b>06 65 00 00-0037</b>	<b>Door, Plastic Moldings</b> (06 65 00 00-0001)		
06 65 00 00-0038	LF 1-1/8" Wide, Door, Plastic Molding.....	5.71	1.96
06 65 00 00-0039	LF 1-1/8" Wide, Detailed Door, Plastic Molding.....	5.78	1.96

<b>06 65 00 00-0040</b>	<b>Trim, Plastic Moldings</b> (06 65 00 00-0001)		
06 65 00 00-0041	LF 1/2" x 1/2" Quarter Round Trim, Plastic Molding.....	5.66	2.29
06 65 00 00-0042	LF 3/4" x 3/4" Quarter Round Trim, Plastic Molding.....	6.74	2.29
06 65 00 00-0043	LF 1-1/4" x 2" Brick Mould, Plastic Molding.....	7.25	2.17
06 65 00 00-0044	LF 1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding.....	8.61	2.17
06 65 00 00-0045	LF 11/16" x 1-5/8" Drip Cap, Plastic Molding.....	5.94	2.17
06 65 00 00-0046	LF 2-3/4" x 2" Water Table, Plastic Molding.....	9.59	2.17
06 65 00 00-0047	LF 3/8" x 2" Garage Door Stop, Plastic Molding.....	6.68	2.17

<b>06 65 00 00-0048</b>	<b>Extruded Polyvinyl Chloride (PVC) Trimboard</b> (06 65)		
Note: As manufactured by Azek or Kleer. All dimensions are nominal.			
06 65 00 00-0049	LF 1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	4.92	0.88
06 65 00 00-0050	LF 1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	7.21	0.98
06 65 00 00-0051	LF 1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	9.50	1.09
06 65 00 00-0052	LF 1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	11.54	1.11
06 65 00 00-0053	LF 1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	13.78	1.15
06 65 00 00-0054	LF 5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	6.12	0.88
06 65 00 00-0055	LF 5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	9.07	0.98
06 65 00 00-0056	LF 5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	11.58	1.09
06 65 00 00-0057	LF 5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	14.38	1.11
06 65 00 00-0058	LF 5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	16.95	1.15
06 65 00 00-0059	LF 3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board.....	13.73	1.11
06 65 00 00-0060	LF 5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board.....	18.37	1.15
06 65 00 00-0061	SF 1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	9.55	0.98
06 65 00 00-0062	SF 3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	13.86	1.09

**06 70 Structural Composites** (06)**06 74 Composite Gratings** (06 70)**06 74 13 Fiberglass Reinforced Gratings** (06 74)

<b>06 74 13 00-0001</b>	<b>Molded Fiberglass Gratings And Coverings</b> (06 74 13)		
<b>06 74 13 00-0002</b>	<b>Vi-Corr Resin System</b> (06 74 13 00-0001)		
Note: Orange or dark gray.			
06 74 13 00-0003	SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top.....	39.87	1.83
06 74 13 00-0004	SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top.....	38.73	1.83
06 74 13 00-0005	SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top.....	50.55	1.83
06 74 13 00-0006	SF 2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top.....	54.74	2.34
06 74 13 00-0007	SF 1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top.....	41.85	1.83
06 74 13 00-0008	SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top.....	40.66	1.83
06 74 13 00-0009	SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top.....	53.39	1.83
06 74 13 00-0010	SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top.....	57.42	2.34
06 74 13 00-0011	SF 1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	37.79	1.46
06 74 13 00-0012	SF 1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	61.22	1.61
06 74 13 00-0013	SF 3/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	83.89	1.77

<b>06 74 13 00-0014</b>	<b>IFR Fire Retardant Isophthalic Resin</b> (06 74 13 00-0001)		
06 74 13 00-0015	SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	36.67	1.83
06 74 13 00-0016	SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	34.35	1.83
06 74 13 00-0017	SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	44.20	1.83
06 74 13 00-0018	SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	47.70	2.34
06 74 13 00-0019	SF 1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	38.29	1.83
06 74 13 00-0020	SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	35.26	1.83
06 74 13 00-0021	SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	48.04	2.34
06 74 13 00-0022	SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	50.35	2.34
06 74 13 00-0023	SF 1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	33.31	1.46
06 74 13 00-0024	SF 1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	47.16	1.61
06 74 13 00-0025	SF 3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	64.78	1.77

<b>06 74 13 00-0026</b>	<b>Corvex Polyester Resin</b> (06 74 13 00-0001)		
Note: Dark gray.			
06 74 13 00-0027	SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top.....	31.11	1.83



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0028	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top .....	29.88	1.83
06 74 13 00-0029	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top .....	36.23	1.83
06 74 13 00-0030	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top .....	41.65	2.34
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top .....	33.16	1.83
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top .....	31.91	1.83
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top .....	38.60	1.83
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top .....	43.68	2.34
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering .....	29.41	1.46
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering .....	46.95	1.61
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering .....	65.12	1.77
06 74 13 00-0038	<b>XFR Extra Fire Retardant</b> (06 74 13 00-0001)			
06 74 13 00-0039	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top .....	45.79	1.83
06 74 13 00-0040	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top .....	44.46	1.83
06 74 13 00-0041	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top .....	60.87	1.83
06 74 13 00-0042	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top .....	65.03	2.34
06 74 13 00-0043	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top .....	47.79	1.83
06 74 13 00-0044	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top .....	46.49	1.83
06 74 13 00-0045	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top .....	63.24	1.83
06 74 13 00-0046	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top .....	67.90	2.34
06 74 13 00-0047	SF	1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering .....	43.28	1.46
06 74 13 00-0048	SF	1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering .....	70.02	1.61
06 74 13 00-0049	<b>ELS Extremely Low Smoke Resin</b> (06 74 13 00-0001)			
06 74 13 00-0050	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top .....	46.96	1.83
06 74 13 00-0051	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top .....	45.54	1.83
06 74 13 00-0052	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top .....	59.23	1.83
06 74 13 00-0053	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top .....	63.49	2.34
06 74 13 00-0054	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top .....	48.81	1.83
06 74 13 00-0055	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top .....	47.64	1.83
06 74 13 00-0056	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top .....	61.52	1.83
06 74 13 00-0057	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top .....	65.80	2.34
06 74 13 00-0058	SF	1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering .....	48.38	1.46
06 74 13 00-0059	SF	1/2" ELS Extremity Low Smoke Resin, Fiberplate Covering .....	87.26	1.61
06 74 13 00-0060	<b>Pultruded Fiberglass Grating</b> (06 74 13)			
06 74 13 00-0061	<b>ISOFR Isophthalic Polyester Resin System</b> (06 74 13 00-0060)			
Note: For moderately corrosive environments, green.				
06 74 13 00-0062	<b>1" ISOFR Isophthalic Polyester Resin System</b> (06 74 13 00-0061)			
06 74 13 00-0063	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	33.38	2.34
06 74 13 00-0064	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	29.62	1.83
06 74 13 00-0065	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin .....	37.76	2.34
06 74 13 00-0066	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin .....	34.91	1.83
06 74 13 00-0067	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin .....	26.03	2.34
06 74 13 00-0068	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin .....	23.05	1.83
06 74 13 00-0069	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin .....	29.82	2.34
06 74 13 00-0070	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin .....	26.92	1.83
06 74 13 00-0071	<b>1-1/2" ISOFR Isophthalic Polyester Resin System</b> (06 74 13 00-0061)			
06 74 13 00-0072	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	37.71	2.34
06 74 13 00-0073	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	34.05	1.83
06 74 13 00-0074	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin .....	42.39	2.34
06 74 13 00-0075	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin .....	39.77	1.83
06 74 13 00-0076	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin .....	33.14	2.34
06 74 13 00-0077	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin .....	30.24	1.83
06 74 13 00-0078	<b>2" ISOFR Isophthalic Polyester Resin System</b> (06 74 13 00-0061)			
06 74 13 00-0079	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	32.71	2.34
06 74 13 00-0080	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	36.21	2.34
06 74 13 00-0081	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin .....	43.79	2.34
06 74 13 00-0082	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin .....	41.31	2.34
06 74 13 00-0083	<b>VERF Vinyl Ester Resin System</b> (06 74 13 00-0060)			
06 74 13 00-0084	<b>1" VERF Vinyl Ester Resin System</b> (06 74 13 00-0083)			
06 74 13 00-0085	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin .....	35.35	1.83
06 74 13 00-0086	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin .....	31.60	1.83
06 74 13 00-0087	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin .....	39.77	1.83
06 74 13 00-0088	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin .....	45.67	1.83
06 74 13 00-0089	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERF Vinyl Ester Resin .....	27.11	1.83
06 74 13 00-0090	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERF Vinyl Ester Resin .....	24.22	1.83
06 74 13 00-0091	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin .....	31.14	1.83
06 74 13 00-0092	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin .....	28.56	1.83

**06 Wood, Plastics, and Composites****06 70 Structural Composites****06 74 Composite Gratings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>06 74 13 00-0093</b>	<b>1-1/2" VEF Vinyl Ester Resin System</b> <small>(06 74 13 00-0083)</small>		
06 74 13 00-0094	SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin .....	38.82	1.83
06 74 13 00-0095	SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin .....	35.12	1.83
06 74 13 00-0096	SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin .....	44.40	1.83
06 74 13 00-0097	SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin .....	41.45	1.83
06 74 13 00-0098	SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin .....	34.88	1.83
06 74 13 00-0099	SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin .....	32.12	1.83

<b>06 74 13 00-0100</b>	<b>2" VEF Vinyl Ester Resin System</b> <small>(06 74 13 00-0083)</small>		
06 74 13 00-0101	SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin .....	34.37	2.34
06 74 13 00-0102	SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin .....	31.69	2.34
06 74 13 00-0103	SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VEF Vinyl Ester Resin .....	46.11	2.34
06 74 13 00-0104	SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VEF Vinyl Ester Resin .....	44.78	2.34

**06 80 Composite Fabrications** (06)**06 82 Composite Trim** (06 80)**06 82 00 00-0001** **Fiberglass Castings** (06 82)

<b>06 82 00 00-0002</b>	<b>Fiberglass Angle, Equal Legs</b> <small>(06 82 00 00-0001)</small>		
06 82 00 00-0003	LF 1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	8.68	3.05
06 82 00 00-0004	LF 1" x 1" x 1/8" Thick Fiberglass Angle, VEF Vinyl Ester Resin .....	9.10	3.05
06 82 00 00-0005	LF 3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	16.18	3.66
06 82 00 00-0006	LF 3" x 3" x 1/4" Thick Fiberglass Angle, VEF Vinyl Ester Resin .....	17.85	3.66
06 82 00 00-0007	LF 4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	17.96	3.66
06 82 00 00-0008	LF 4" x 4" x 1/4" Thick Fiberglass Angle, VEF Vinyl Ester Resin .....	19.17	3.66
06 82 00 00-0009	LF 4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	20.80	3.66
06 82 00 00-0010	LF 4" x 4" x 3/8" Thick Fiberglass Angle, VEF Vinyl Ester Resin .....	23.40	3.66
06 82 00 00-0011	LF 6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	55.90	4.58
06 82 00 00-0012	LF 6" x 6" x 1/2" Thick Fiberglass Angle, VEF Vinyl Ester Resin .....	64.28	4.58

<b>06 82 00 00-0013</b>	<b>Fiberglass Channels</b> <small>(06 82 00 00-0001)</small>		
06 82 00 00-0014	LF 3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin .....	10.04	4.58
06 82 00 00-0015	LF 3" x 1" x 1/4" Fiberglass Channel, VEF Vinyl Ester Resin .....	10.46	4.58
06 82 00 00-0016	LF 4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin .....	20.86	5.18
06 82 00 00-0017	LF 4" x 1 1/8" x 1/4" Fiberglass Channel, VEF Vinyl Ester Resin .....	20.86	5.18
06 82 00 00-0018	LF 6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin .....	32.62	5.18
06 82 00 00-0019	LF 6" x 1 11/16" x 3/8" Fiberglass Channel, VEF Vinyl Ester Resin .....	37.91	5.18
06 82 00 00-0020	LF 8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin .....	30.64	5.18
06 82 00 00-0021	LF 8" x 2 3/16" x 3/8" Fiberglass Channel, VEF Vinyl Ester Resin .....	37.08	5.18
06 82 00 00-0022	LF 10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin .....	46.69	7.12
06 82 00 00-0023	LF 10" x 2-3/4" x 1/2" Fiberglass Channel, VEF Vinyl Ester Resin .....	53.51	7.12

<b>06 82 00 00-0024</b>	<b>Fiberglass Wide Flange Beams</b> <small>(06 82 00 00-0001)</small>		
06 82 00 00-0025	LF 4" x 4" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin .....	28.55	6.10
06 82 00 00-0026	LF 4" x 4" x 1/4" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin .....	31.19	6.10
06 82 00 00-0027	LF 6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin .....	36.50	7.32
06 82 00 00-0028	LF 6" x 6" x 1/4" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin .....	37.76	7.32
06 82 00 00-0029	LF 8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin .....	58.77	9.15
06 82 00 00-0030	LF 8" x 8" x 3/8" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin .....	73.65	9.15
06 82 00 00-0031	LF 10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin .....	130.17	11.19
06 82 00 00-0032	LF 10" x 10" x 1/2" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin .....	146.45	11.19

<b>06 82 00 00-0033</b>	<b>Fiberglass Flat Sheet</b> <small>(06 82 00 00-0001)</small>		
Note: Not to be used for bathroom board.			
06 82 00 00-0034	SF 1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin .....	23.60	5.18
06 82 00 00-0035	SF 1/8" Thick Fiberglass Flat Sheet, VEF Vinyl Ester Resin .....	24.64	5.18
06 82 00 00-0036	SF 1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin .....	37.00	6.10
06 82 00 00-0037	SF 1/4" Thick Fiberglass Flat Sheet, VEF Vinyl Ester Resin .....	42.53	6.10
06 82 00 00-0038	SF 3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin .....	50.16	7.32
06 82 00 00-0039	SF 3/8" Thick Fiberglass Flat Sheet, VEF Vinyl Ester Resin .....	58.46	7.32
06 82 00 00-0040	SF 1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin .....	67.60	9.15
06 82 00 00-0041	SF 1/2" Thick Fiberglass Flat Sheet, VEF Vinyl Ester Resin .....	80.31	9.15

<b>06 82 00 00-0042</b>	<b>Fiberglass Bars</b> <small>(06 82 00 00-0001)</small>		
<b>06 82 00 00-0043</b>	<b>Square Bars</b> <small>(06 82 00 00-0042)</small>		
06 82 00 00-0044	LF 1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin .....	14.06	3.66
06 82 00 00-0045	LF 1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin .....	20.12	5.39
06 82 00 00-0046	LF 1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin .....	23.59	7.12



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>06 82 00 00-0047 Round Bars</b> <small>(06 82 00 00-0042)</small>				
	06 82 00 00-0048 LF	1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin .....	9.05	3.05
	06 82 00 00-0049 LF	1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin .....	19.36	4.58
	06 82 00 00-0050 LF	1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin .....	21.88	4.58
	06 82 00 00-0051 LF	1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin .....	28.94	4.58
	06 82 00 00-0052 LF	1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin .....	34.57	5.18
<b>06 82 00 00-0053 Fiberglass Tubes</b> <small>(06 82 00 00-0001)</small>				
<b>06 82 00 00-0054 Square Tube</b> <small>(06 82 00 00-0053)</small>				
	06 82 00 00-0055 LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin .....	10.19	3.05
	06 82 00 00-0056 LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin .....	11.01	3.05
	06 82 00 00-0057 LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin .....	15.05	3.66
	06 82 00 00-0058 LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin .....	16.49	3.66
	06 82 00 00-0059 LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin .....	28.63	4.58
	06 82 00 00-0060 LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin .....	31.95	4.58
	06 82 00 00-0061 LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin .....	33.68	5.49
	06 82 00 00-0062 LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin .....	42.93	5.49
<b>06 82 00 00-0063 Round Tube</b> <small>(06 82 00 00-0053)</small>				
	06 82 00 00-0064 LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin .....	9.76	3.05
	06 82 00 00-0065 LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin .....	10.13	3.05
	06 82 00 00-0066 LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin .....	18.25	3.66
	06 82 00 00-0067 LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin .....	19.47	3.66
<b>06 82 00 00-0068 Fiberglass Threaded Rods</b> <small>(06 82 00 00-0001)</small>				
	06 82 00 00-0069 LF	3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin .....	13.13	2.34
	06 82 00 00-0070 LF	1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin .....	13.97	2.34
	06 82 00 00-0071 LF	5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin .....	16.04	2.64
	06 82 00 00-0072 LF	3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin .....	17.67	2.64
	06 82 00 00-0073 LF	1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin .....	19.52	2.64
<b>06 82 00 00-0074 Grating Support Legs, VEFR Resin</b> <small>(06 82 00 00-0001)</small>				
	06 82 00 00-0075 EA	Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings .....	19.17	
	06 82 00 00-0076 EA	Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings .....	8.22	
	06 82 00 00-0077 EA	Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings .....	30.90	
<b>06 82 00 00-0078 Fiberglass Netting</b> <small>(06 82 00 00-0001)</small>				
	06 82 00 00-0079 SF	1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting .....	0.67	0.32
	06 82 00 00-0080 SF	1/2" x 2" Mesh, Clear Flexible Fiberglass Netting .....	0.67	0.32
	06 82 00 00-0081 SF	3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting .....	0.67	0.32
	06 82 00 00-0082 SF	7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting .....	0.67	0.32
	06 82 00 00-0083 SF	1" x 1" Mesh, Clear Flexible Fiberglass Netting .....	0.67	0.32
	06 82 00 00-0084 SF	1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting .....	0.66	0.32
	06 82 00 00-0085 SF	1/2" x 2" Mesh, Green Flexible Fiberglass Netting .....	0.66	0.32
	06 82 00 00-0086 SF	3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting .....	0.66	0.32
	06 82 00 00-0087 SF	7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting .....	0.66	0.32
	06 82 00 00-0088 SF	1" x 1" Mesh, Green Flexible Fiberglass Netting .....	0.66	0.32
<b>06 82 00 00-0089 Fiberglass Stair Treads</b> <small>(06 82)</small>				
<b>06 82 00 00-0090 Fiberglass Stair Treads</b> <small>(06 82 00 00-0089)</small>				
<b>06 82 00 00-0091 10-1/2" Deep Isophthalic Resin System</b> <small>(06 82 00 00-0090)</small>				
	06 82 00 00-0092 EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System .....	89.68	15.97
	06 82 00 00-0093 EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System .....	104.16	15.97
	06 82 00 00-0094 EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System .....	118.64	15.97
	06 82 00 00-0095 EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System .....	133.12	15.97
	06 82 00 00-0096 EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System .....	98.37	15.97
	06 82 00 00-0097 EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System .....	115.02	15.97
	06 82 00 00-0098 EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System .....	131.67	15.97
	06 82 00 00-0099 EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System .....	148.32	15.97
	06 82 00 00-0100 EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System .....	111.69	15.97
	06 82 00 00-0101 EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System .....	131.67	15.97
	06 82 00 00-0102 EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System .....	151.65	15.97
	06 82 00 00-0103 EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System .....	171.63	15.97
<b>06 82 00 00-0104 12" Deep Isophthalic Resin System</b> <small>(06 82 00 00-0090)</small>				
	06 82 00 00-0105 EA	1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System .....	97.96	15.97
	06 82 00 00-0106 EA	1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System .....	114.50	15.97
	06 82 00 00-0107 EA	1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System .....	131.05	15.97
	06 82 00 00-0108 EA	1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System .....	147.60	15.97
	06 82 00 00-0109 EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System .....	107.89	15.97

**06 Wood, Plastics, and Composites****06 80 Composite Fabrications****06 82 Composite Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0110	EA		1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System .....	126.91	15.97
06 82 00 00-0111	EA		1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System .....	145.94	15.97
06 82 00 00-0112	EA		1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System .....	164.97	15.97
06 82 00 00-0113	EA		2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System .....	123.11	15.97
06 82 00 00-0114	EA		2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System .....	145.94	15.97
06 82 00 00-0115	EA		2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System .....	168.78	15.97
06 82 00 00-0116	EA		2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System .....	191.61	15.97
06 82 00 00-0117			<b>Other Fiberglass</b> <small>(06 82)</small>		
06 82 00 00-0118			<b>Fiberglass Splash Blocks</b> <small>(06 82 00 00-0117)</small>		
06 82 00 00-0119	EA		Standard Size Fiberglass Splash Block .....	16.85	3.17
06 83			<b>Composite Paneling</b> <small>(06 80)</small>		
06 83 16			<b>Fiberglass Reinforced Paneling</b> <small>(06 83)</small>		
06 83 16 00-0001			<b>Fiberglass Reinforced Polyester (FRP) Panels</b> <small>(06 83 16)</small>		
			Note: Includes adhesive and trim.		
06 83 16 00-0002	SF		Fiberglass Reinforced Polyester (FRP) Paneling.....	4.02	1.59
			Note: Including Adhesive And Trim		

**END OF SECTION 06**





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 07 Thermal And Moisture Protection

### 07 01 Operation and Maintenance of Thermal and Moisture Protection <sup>(07)</sup>

#### 07 01 50 Maintenance of Membrane Roofing <sup>(07 01)</sup>

##### 07 01 50 19 Preparation for Re-Roofing <sup>(07 01 50)</sup>

##### 07 01 50 19-0001 Preparation For Re-Roofing <sup>(07 01 50 19)</sup>

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal .....	33.81
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal.....	59.67

##### 07 01 50 81 Roof Replacement <sup>(07 01 50)</sup>

##### 07 01 50 81-0001 Roof Repair <sup>(07 01 50 81)</sup>

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing .....	18.40
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing .....	16.42
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing .....	14.90
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing.....	13.86
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing .....	20.59
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing .....	18.61
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing .....	17.09
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing .....	16.05
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing .....	16.21
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing.....	14.45
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing.....	13.16
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing.....	12.34
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair.....	6.11

##### 07 01 50 81-0015 Emergency Roof Patch <sup>(07 01 50 81)</sup>

Note: 4 Hour response time.

07 01 50 81-0016	EA	Mobilize For Emergency Roof Patching.....	391.56
07 01 50 81-0017	EA	Granule Emergency Roof Patch Cover 16 SF.....	73.17

##### 07 01 50 81-0018 Adhesives <sup>(07 01 50 81)</sup>

Note: For repair of seams.

##### 07 01 50 81-0019 Mastic Sealer <sup>(07 01 50 81-0018)</sup>

##### 07 01 50 81-0020 Applied At Joints Only <sup>(07 01 50 81-0019)</sup>

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint.....	3.88
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1.67

##### 07 01 50 91 Roofing Restoration <sup>(07 01 50)</sup>

##### 07 01 50 91-0001 Pressure Wash Membrane Roofing <sup>(07 01 50 91)</sup>

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing .....	0.14
		<i>For Up To 100, Add</i>	<i>0.11</i>
		<i>For &gt;100 To 250, Add</i>	<i>0.05</i>
		<i>For &gt;250 To 500, Add</i>	<i>0.02</i>
		<i>For &gt;5,000 To 10,000, Deduct</i>	<i>-0.01</i>
		<i>For &gt;10,000 To 15,000, Deduct</i>	<i>-0.01</i>
		<i>For &gt;15,000 To 30,000, Deduct</i>	<i>-0.02</i>
		<i>For &gt;30,000, Deduct</i>	<i>-0.03</i>

## 07 05 Common Work Results for Thermal and Moisture Protection <sup>(07)</sup>

### 07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work <sup>(07 05)</sup>

#### 07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work <sup>(07 05 13)</sup>

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work.....	1,178.44
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work .....	881.71
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work .....	589.22
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work .....	293.91

## 07 10 Dampproofing and Waterproofing <sup>(07)</sup>

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in

**07 Thermal And Moisture Protection****07 10 Dampproofing and Waterproofing**

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

the absence of hydrostatic pressure.

**07 11 Dampproofing** (07 10)**07 11 13 Bituminous Dampproofing** (07 11)**07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray** (07 11 13)

07 11 13 00-0002 CSF 1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray .....156.77  
 07 11 13 00-0003 CSF 2 Coats, Brush, Roller Or Spray, Fibrous Asphalt Dampproofing .....235.20

**07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On** (07 11 13)

07 11 13 00-0005 CSF Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On .....274.51  
 07 11 13 00-0006 CSF Primer And 2 Coats, Troweled On, Fibrous Asphalt Dampproofing .....433.58

**07 11 13 00-0007 Asphaltic Paint Dampproofing** (07 11 13)

07 11 13 00-0008 CSF 1 Coat, Asphaltic Paint Dampproofing, Brushed On .....123.75  
 07 11 13 00-0009 CSF 2 Coats, Brushed On, Asphaltic Paint Dampproofing .....229.84

**07 11 19 Sheet Dampproofing** (07 11)**07 11 19 00-0001 Neoprene** (07 11 19)

07 11 19 00-0002 SF 1/16" Patch Neoprene Roof (5 To 20 SF) .....31.47

**07 13 Sheet Waterproofing** (07 10)**07 13 13 Bituminous Sheet Waterproofing** (07 13)**07 13 13 00-0001 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped** (07 13 13)

07 13 13 00-0002 CSF 1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....280.91 96.10  
*For 30 LB Felt, Add* 66.53  
*For Application To Horizontal Surfaces, Deduct* -28.83  
 07 13 13 00-0003 CSF 2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....355.83 108.11  
*For 30 LB Felt, Add* 104.70  
*For Application To Horizontal Surfaces, Deduct* -32.43  
 07 13 13 00-0004 CSF 3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....430.72 120.12  
*For 30 LB Felt, Add* 142.86  
*For Application To Horizontal Surfaces, Deduct* -36.04  
 07 13 13 00-0005 CSF 4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....505.63 132.14  
*For 30 LB Felt, Add* 181.02  
*For Application To Horizontal Surfaces, Deduct* -39.64  
 07 13 13 00-0006 CSF 5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....580.54 144.15  
*For 30 LB Felt, Add* 219.18  
*For Application To Horizontal Surfaces, Deduct* -43.25

**07 13 13 00-0007 Asphalt Coated Protective Board** (07 13 13)

07 13 13 00-0008 CSF 1/8" Asphalt Coated Protective Board .....230.27 94.42  
*For Application To Horizontal Surfaces, Deduct* -31.49  
 07 13 13 00-0009 CSF 1/4" Asphalt Coated Protective Board .....294.79 98.05  
*For Application To Horizontal Surfaces, Deduct* -32.68  
 07 13 13 00-0010 CSF 3/8" Asphalt Coated Protective Board .....372.47 102.17  
*For Application To Horizontal Surfaces, Deduct* -34.04  
 07 13 13 00-0011 CSF 1/2" Asphalt Coated Protective Board .....412.91 106.29  
*For Application To Horizontal Surfaces, Deduct* -35.43

**07 13 53 Elastomeric Sheet Waterproofing** (07 13)**07 13 53 00-0001 Rubberized Membrane Sheet** (07 13 53)

07 13 53 00-0002 SF 215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface .....6.14 0.98  
*For Floor Surfaces, Deduct* -0.95

**07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM)** (07 13 53)

07 13 53 00-0004 CSF 45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane .....360.81 137.26  
*For Application To Horizontal Surfaces, Deduct* -41.17  
 07 13 53 00-0005 CSF 60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane .....400.65 137.26  
*For Application To Horizontal Surfaces, Deduct* -41.17

**07 13 53 00-0006 Butyl Sheet Waterproofing** (07 13 53)

07 13 53 00-0007 CSF 1/32" Butyl Sheet Waterproofing .....96.80 34.31  
*For Joint Taping, Add* 12.75  
*For Each Additional Ply, Add* 71.20  
*For Application To Horizontal Surfaces, Deduct* -5.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0008 CSF 1/16" Butyl Sheet Waterproofing.....	116.66	34.31
<i>For Joint Taping, Add</i>	13.74	
<i>For Each Additional Ply, Add</i>	85.10	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.16	
<b>07 13 53 00-0009 Butyl With Nylon (07 13 53)</b>		
07 13 53 00-0010 CSF 1/32" Butyl Elastomeric Waterproofing With Nylon.....	108.15	34.31
<i>For Joint Taping, Add</i>	13.31	
<i>For Each Additional Ply, Add</i>	79.14	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.16	
07 13 53 00-0011 CSF 1/16" Butyl Elastomeric Waterproofing With Nylon.....	120.92	34.31
<i>For Joint Taping, Add</i>	13.95	
<i>For Each Additional Ply, Add</i>	88.08	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.16	
<b>07 13 53 00-0012 Neoprene Sheet Waterproofing (07 13 53)</b>		
07 13 53 00-0013 CSF 1/32" Neoprene Sheet Waterproofing.....	173.48	34.31
<i>For Joint Taping, Add</i>	16.58	
<i>For Each Additional Ply, Add</i>	124.87	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.16	
07 13 53 00-0014 CSF 1/16" Neoprene Sheet Waterproofing.....	258.02	34.31
<i>For Joint Taping, Add</i>	20.81	
<i>For Each Additional Ply, Add</i>	184.05	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.16	
<b>07 13 53 00-0015 Neoprene With Nylon (07 13 53)</b>		
07 13 53 00-0016 CSF 1/32" Neoprene Elastomeric Waterproofing With Nylon.....	182.30	34.31
<i>For Joint Taping, Add</i>	17.02	
<i>For Each Additional Ply, Add</i>	131.05	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.16	
07 13 53 00-0017 CSF 1/16" Neoprene Elastomeric Waterproofing With Nylon.....	272.12	34.31
<i>For Joint Taping, Add</i>	21.51	
<i>For Each Additional Ply, Add</i>	193.92	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.16	
<b>07 13 53 00-0018 Plastic Vapor Barrier (Polyethylene) (07 13 53)</b>		
07 13 53 00-0019 CSF 4 Mil Polyethylene Vapor Barrier.....	36.17	13.29
<i>For Joint Taping, Add</i>	8.57	
<i>For Each Additional Ply, Add</i>	28.26	
<i>For Application To Horizontal Surfaces, Deduct</i>	-4.41	
07 13 53 00-0020 CSF 6 Mil Polyethylene Vapor Barrier.....	37.14	13.29
<i>For Joint Taping, Add</i>	8.62	
<i>For Each Additional Ply, Add</i>	28.94	
<i>For Application To Horizontal Surfaces, Deduct</i>	-4.41	
07 13 53 00-0021 CSF 10 Mil Polyethylene Vapor Barrier.....	61.95	13.29
<i>For Joint Taping, Add</i>	9.86	
<i>For Each Additional Ply, Add</i>	46.31	
<i>For Application To Horizontal Surfaces, Deduct</i>	-4.41	
07 13 53 00-0022 CSF 60 Mil Polyethylene Vapor Barrier With Bentonite.....	101.69	13.29
Note: Includes seam tape, liquid mastic, anchors and termination bar.		
<i>For Each Additional Ply, Add</i>	74.45	
<i>For Application To Horizontal Surfaces, Deduct</i>	-4.90	
<b>07 13 53 00-0023 Plastic Vapor Barrier (PVC) (07 13 53)</b>		
07 13 53 00-0024 CSF 10 Mil Polyvinyl Chloride (PVC) Vapor Barrier.....	44.00	14.71
<i>For Joint Taping, Add</i>	8.96	
<i>For Each Additional Ply, Add</i>	33.74	
<i>For Application To Horizontal Surfaces, Deduct</i>	-4.41	
07 13 53 00-0025 CSF 20 Mil Polyvinyl Chloride (PVC) Vapor Barrier.....	55.73	15.25
<i>For Joint Taping, Add</i>	9.81	
<i>For Each Additional Ply, Add</i>	42.06	
<i>For Application To Horizontal Surfaces, Deduct</i>	-4.58	
07 13 53 00-0026 CSF 30 Mil Polyvinyl Chloride (PVC) Vapor Barrier.....	71.38	15.79
<i>For Joint Taping, Add</i>	10.83	
<i>For Each Additional Ply, Add</i>	53.13	
<i>For Application To Horizontal Surfaces, Deduct</i>	-4.74	
<b>07 13 53 00-0027 Vinyl Plastic Vapor Barrier (07 13 53)</b>		
07 13 53 00-0028 CSF 4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4).....	40.61	13.62
<b>07 14 Fluid-Applied Waterproofing (07 10)</b>		
<b>07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)</b>		
07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)		

**07 Thermal And Moisture Protection****07 10 Dampproofing and Waterproofing****07 14 Fluid-Applied Waterproofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 14 13 00-0002 SF 90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface.....	2.17	
Note: Includes primer.		
For Application To Horizontal Surfaces, Deduct	-0.18	
For Reinforcing Fabric, Add	0.49	
07 14 13 00-0003 SF 125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface.....	2.57	
Note: Includes primer.		
For Application To Horizontal Surfaces, Deduct	-0.19	
For Reinforcing Fabric, Add	0.49	
<b>07 14 16 Cold Fluid-Applied Waterproofing (07 14)</b>		
<b>07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane (07 14 16)</b>		
07 14 16 00-0002 SF 60 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing.....	3.47	
For Application To Horizontal Surfaces, Deduct	-0.41	
07 14 16 00-0003 SF 90 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing.....	3.96	
For Application To Horizontal Surfaces, Deduct	-0.44	
07 14 16 00-0004 SF 120 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing.....	4.49	
For Application To Horizontal Surfaces, Deduct	-0.46	
07 14 16 00-0005 One Part Solution Of Chlorosulfonated Polyethylene Polymer (07 14 16)		
07 14 16 00-0006 SF 15 Mil Finish Coat, 1 Part Solution, Chlorosulfonated Polyethylene (CSM) Polymer.....	2.34	
07 14 16 00-0007 Copolymer Compound (07 14 16)		
07 14 16 00-0008 SF 32 Mil, Fluid Elastomeric Copolymer Compound For Slabs.....	3.74	
07 14 16 00-0009 Fluid Applied Neoprene (07 14 16)		
07 14 16 00-0010 CSF 1/8" Fiberglass Reinforced, Fluid Applied Neoprene .....	451.11	
For Application To Horizontal Surfaces, Deduct	-50.00	
07 14 16 00-0011 CSF 50 Mil, 4 Coats, Fluid Applied Neoprene.....	882.75	
For Application To Horizontal Surfaces, Deduct	-98.10	
07 14 16 00-0012 CSF 90 Mil, 4 Coats, Fluid Applied Neoprene.....	1,438.02	
For Application To Horizontal Surfaces, Deduct	-147.07	
<b>07 16 Cementitious and Reactive Waterproofing (07 10)</b>		
<b>07 16 13 Polymer Modified Cement Waterproofing (07 16)</b>		
07 16 13 00-0001 SF Polymer Modified Cementitious Waterproofing Assembly, 2 Coats.....	4.35	
Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.		
<b>07 16 16 Crystalline Waterproofing (07 16)</b>		
07 16 16 00-0001 SF Crystalline Cementitious Waterproofing. 2 Coats (Xypex Concentrate).....	5.83	
<b>07 16 19 Metal Oxide Waterproofing (07 16)</b>		
07 16 19 00-0001 Metallic Oxide Waterproofing (07 16 19)		
Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.		
07 16 19 00-0002 CSF Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller).....	465.47	
For Application To Horizontal Surfaces, Deduct	-58.22	
<b>07 17 Bentonite Waterproofing (07 10)</b>		
<b>07 17 13 Bentonite Panel Waterproofing (07 17)</b>		
07 17 13 00-0001 CSF 3/16" Bentonite Waterproofing Panels.....	361.49	112.66
For Application To Horizontal Surfaces, Deduct	-33.81	
07 17 13 00-0002 CSF 1/4" Bentonite Waterproofing Panels.....	339.03	119.03
For Application To Horizontal Surfaces, Deduct	-36.59	
07 17 13 00-0003 CSF 5/8" Bentonite Waterproofing Panels.....	446.99	124.13
For Application To Horizontal Surfaces, Deduct	-37.23	
07 17 13 00-0004 CSF 3/8" Granular Bentonite, Troweled.....	361.96	103.24
For Application To Horizontal Surfaces, Deduct	-30.96	
<b>07 18 Traffic Coatings (07 10)</b>		
<b>07 18 13 Pedestrian Traffic Coatings (07 18)</b>		
07 18 13 00-0001 Elastomeric Plaza Deck System (Garland Dura-Walk®) (07 18 13)		
Note: For pedestrian and vehicular traffic. Includes 10 year warranty. Excludes surface preparation, deck crack repair, joint sealants or markings.		
07 18 13 00-0002 SQ Porous Concrete Primer (Garland Dura-Walk® FC Primer Kit) .....	150.92	
07 18 13 00-0003 SQ 32 mils, Base Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®).....	448.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 18 13 00-0004	SQ	16 mils, Wear Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®).....	254.54
07 18 13 00-0005	SQ	16 mils, Top Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®).....	306.28
07 18 13 00-0006	LF	6" Wide, Poly Joint Tape (Garland Dura-Walk®).....	1.42

**07 18 16 Vehicular Traffic Coatings** (07 18)

07 18 16 00-0001		Preparation For Vehicular Traffic Coating <small>(07 18 16)</small> See CSI section 03 01 30 71-0035 for crack repairs, 32 17 23 00-0000 for pavement markings.	
07 18 16 00-0002	SF	Grinding Of Existing Concrete Floor Prior To Installation Of Deck Coating .....	1.07
07 18 16 00-0003	SF	Shot Blasting Concrete Surface For Vehicular Traffic Coating .....	2.31

**07 18 16 00-0004 Vehicular Traffic Coating (Sika)** (07 18 16)

Note: Excludes surface preparaion, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0035 for crack repairs, 07 18 16 00-0001 for surface preparaion, 32 17 23 00-0000 for pavement markings.

07 18 16 00-0005	SF	23 Mil Thick, Traffic Coating, Two-Component, Elastomeric Polyurethane Waterproofing, Concrete Coating With Primer (Sika Sikalastic® 720).....	3.57
07 18 16 00-0006	SF	12 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) .....	2.19
07 18 16 00-0007	SF	14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) .....	2.33
07 18 16 00-0008	SF	16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) .....	2.48
07 18 16 00-0009	SF	18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) .....	2.60
07 18 16 00-0010	SF	14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured) .....	2.51
07 18 16 00-0011	SF	16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured) .....	2.73
07 18 16 00-0012	SF	18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured) .....	2.96

**07 19 Water Repellents** (07 10)

**07 19 13 Acrylic Sealer** (07 19)

Note: Per coat.

07 19 13 00-0001	SF	Spray On Concrete, Acrylic Sealer .....	2.18
07 19 13 00-0002	SF	Spray On Concrete Block/Brick, Acrylic Sealer.....	2.59
07 19 13 00-0003	SF	Spray On Stone, Acrylic Sealer .....	2.85

**07 19 16 Silane Water Repellents** (07 19)

07 19 16 00-0001		Silane Concrete Sealer <small>(07 19 16)</small>	
07 19 16 00-0002	SF	Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB) .....	0.67
07 19 16 00-0003	SF	Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB) .....	0.98

**07 19 16 00-0004 Silane/Siloxane Concrete Sealer** (07 19 16)

07 19 16 00-0005	SF	Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) .....	1.22
07 19 16 00-0006	SF	Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) .....	1.78
07 19 16 00-0007	SF	Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB).....	0.46
07 19 16 00-0008	SF	Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB) .....	0.68

**07 20 Thermal Protection** (07)

**07 21 Thermal Insulation** (07 20)

**07 21 13 Board Insulation** (07 21)

Note: Types are stock sizes, mastic applied.

**07 21 13 13 Foam Board Insulation** (07 21 13)

07 21 13 13-0001		Cold Adhesive Applied Foam Board Insulation <small>(07 21 13 13)</small>	
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**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0002			<b>Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation</b> <small>(07 21 13 13-0001)</small>		
07 21 13 13-0003	SF		1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	2.82	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0004	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	3.76	0.38
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0005	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	4.40	0.38
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0006	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	5.64	0.39
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0007			<b>Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation</b> <small>(07 21 13 13-0001)</small>		
07 21 13 13-0008	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.69	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0009	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.56	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0010	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.71	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0011	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.86	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0012	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	2.48	0.38
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0013	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	3.08	0.39
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0014	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	3.70	0.40
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0015	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	4.31	0.41
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0016	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	4.92	0.42
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0017			<b>Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation</b> <small>(07 21 13 13-0001)</small>		
			Note: 15 PSI compressive strength.		
07 21 13 13-0018	SF		3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	1.94	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.21	
			<i>For 40 PSI Compressive Strength, Add</i>	0.50	
			<i>For 60 PSI Compressive Strength, Add</i>	0.80	
			<i>For 115 PSI Compressive Strength, Add</i>	3.45	
07 21 13 13-0019	SF		1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.29	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.27	
			<i>For 40 PSI Compressive Strength, Add</i>	0.63	
			<i>For 60 PSI Compressive Strength, Add</i>	1.00	
			<i>For 115 PSI Compressive Strength, Add</i>	4.35	
07 21 13 13-0020	SF		3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.56	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.31	
			<i>For 40 PSI Compressive Strength, Add</i>	0.74	
			<i>For 60 PSI Compressive Strength, Add</i>	1.16	
			<i>For 115 PSI Compressive Strength, Add</i>	5.05	
07 21 13 13-0021	SF		1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.08	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.23	
			<i>For 40 PSI Compressive Strength, Add</i>	0.55	
			<i>For 60 PSI Compressive Strength, Add</i>	0.88	
			<i>For 115 PSI Compressive Strength, Add</i>	3.81	
07 21 13 13-0022	SF		2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.91	0.38
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.36	
			<i>For 40 PSI Compressive Strength, Add</i>	0.86	
			<i>For 60 PSI Compressive Strength, Add</i>	1.35	
			<i>For 115 PSI Compressive Strength, Add</i>	5.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0023 SF 3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	3.74	0.39
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.49	
<i>For 40 PSI Compressive Strength, Add</i>	1.17	
<i>For 60 PSI Compressive Strength, Add</i>	1.82	
<i>For 115 PSI Compressive Strength, Add</i>	8.01	
07 21 13 13-0024 SF 4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	4.17	0.40
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.56	
<i>For 40 PSI Compressive Strength, Add</i>	1.33	
<i>For 60 PSI Compressive Strength, Add</i>	2.06	
<i>For 115 PSI Compressive Strength, Add</i>	9.06	
<b>07 21 13 13-0025 Mechanically Fastened Foam Board Insulation</b> <small>(07 21 13 13)</small>		
Note: Mechanically fastened to wood or steel.		
<b>07 21 13 13-0026 Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation</b> <small>(07 21 13 13-0025)</small>		
Note: Mechanically fastened to wood or steel.		
07 21 13 13-0027 SF 1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	2.60	0.37
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.66	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.50	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 21 13 13-0028 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	3.61	0.38
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.35	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.58	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.52	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 21 13 13-0029 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	4.24	0.38
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.35	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.58	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.93	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.52	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.90	
07 21 13 13-0030 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	5.54	0.39
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.39	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.69	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
<b>07 21 13 13-0031 Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation</b> <small>(07 21 13 13-0025)</small>		
07 21 13 13-0032 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.46	0.37
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.66	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.50	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

07 21 13 13-0033	SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.33	0.37
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.66	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.50	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 21 13 13-0034	SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.48	0.37
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.66	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.50	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 21 13 13-0035	SF 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.64	0.37
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.66	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.50	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 21 13 13-0036	SF 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	2.32	0.38
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.35	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.58	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.93	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.52	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.90	
07 21 13 13-0037	SF 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	2.99	0.39
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.39	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.69	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 21 13 13-0038	SF 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.68	0.40
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.42	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.65	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.81	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.14	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.23	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.23	
07 21 13 13-0039	SF 5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	4.41	0.41
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.46	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.87	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.96	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.24	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	6.29	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.11	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.38	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0040 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) .....	5.54	0.42
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.50	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.30	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.62	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.40	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.27	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.94	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.61	
07 21 13 13-0041 Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation (07 21 13 13-0025)		
Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.		
07 21 13 13-0042 SF 3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	1.71	0.37
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.16	
<i>For 40 PSI Compressive Strength, Add</i>	0.37	
<i>For 60 PSI Compressive Strength, Add</i>	0.60	
<i>For 115 PSI Compressive Strength, Add</i>	2.57	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.66	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.50	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 21 13 13-0043 SF 1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	2.06	0.37
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.21	
<i>For 40 PSI Compressive Strength, Add</i>	0.50	
<i>For 60 PSI Compressive Strength, Add</i>	0.80	
<i>For 115 PSI Compressive Strength, Add</i>	3.47	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.66	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.50	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 21 13 13-0044 SF 3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	2.33	0.37
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.25	
<i>For 40 PSI Compressive Strength, Add</i>	0.60	
<i>For 60 PSI Compressive Strength, Add</i>	0.96	
<i>For 115 PSI Compressive Strength, Add</i>	4.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.66	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.50	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 21 13 13-0045 SF 1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	1.86	0.37
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.18	
<i>For 40 PSI Compressive Strength, Add</i>	0.42	
<i>For 60 PSI Compressive Strength, Add</i>	0.68	
<i>For 115 PSI Compressive Strength, Add</i>	2.93	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.66	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.50	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0046 SF 2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	2.75	0.38
For Horizontal Surface Application, Deduct	-0.08	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For 25 PSI Compressive Strength, Add	0.32	
For 40 PSI Compressive Strength, Add	0.75	
For 60 PSI Compressive Strength, Add	1.18	
For 115 PSI Compressive Strength, Add	5.14	
For Mechanically Fastened To Concrete, Add	1.35	
For Mechanically Fastened To Gypsum, Add	1.58	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.61	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.70	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.93	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.91	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.52	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.90	
07 21 13 13-0047 SF 3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	3.64	0.39
For Horizontal Surface Application, Deduct	-0.08	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For 25 PSI Compressive Strength, Add	0.45	
For 40 PSI Compressive Strength, Add	1.08	
For 60 PSI Compressive Strength, Add	1.69	
For 115 PSI Compressive Strength, Add	7.38	
For Mechanically Fastened To Concrete, Add	1.39	
For Mechanically Fastened To Gypsum, Add	1.64	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.69	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.79	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.04	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.04	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.69	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.07	
07 21 13 13-0048 SF 4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	4.15	0.40
For Horizontal Surface Application, Deduct	-0.08	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For 25 PSI Compressive Strength, Add	0.53	
For 40 PSI Compressive Strength, Add	1.27	
For 60 PSI Compressive Strength, Add	1.98	
For 115 PSI Compressive Strength, Add	8.66	
For Mechanically Fastened To Concrete, Add	1.42	
For Mechanically Fastened To Gypsum, Add	1.65	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.81	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.91	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.14	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.23	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.89	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.23	
<b>07 21 13 16 Fibrous Board Insulation</b> <small>(07 21 13)</small>		
07 21 13 16-0001 Cold Adhesive Applied Fibrous Board Insulation <small>(07 21 13 16)</small>		
07 21 13 16-0002 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation <small>(07 21 13 16-0001)</small>		
07 21 13 16-0003 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied.....	2.05	0.47
For Horizontal Surface Application, Deduct	-0.08	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
07 21 13 16-0004 SF 2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied.....	2.81	0.56
For Horizontal Surface Application, Deduct	-0.09	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
07 21 13 16-0005 SF 3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied.....	3.57	0.65
For Horizontal Surface Application, Deduct	-0.11	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
07 21 13 16-0006 Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation <small>(07 21 13 16-0001)</small>		
07 21 13 16-0007 SF 1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied.....	3.18	0.37
For Horizontal Surface Application, Deduct	-0.06	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
07 21 13 16-0008 SF 1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied.....	5.25	0.38
For Horizontal Surface Application, Deduct	-0.06	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
07 21 13 16-0009 SF 2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied.....	6.49	0.39
For Horizontal Surface Application, Deduct	-0.06	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
07 21 13 16-0010 SF 2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied.....	7.50	0.39
For Horizontal Surface Application, Deduct	-0.06	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	



<b>Thermal And Moisture Protection</b>			<b>07</b>
Thermal Protection			07 20
Thermal Insulation			07 21

07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0011 SF 3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied .....	8.50	0.39
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
 <b>07 21 13 16-0012 Mechanically Fastened Fibrous Board Insulation (07 21 13 16)</b>		
Note: Mechanically fastened to wood or steel.		
 <b>07 21 13 16-0013 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0012)</b>		
Note: Mechanically fastened to wood or steel.		
07 21 13 16-0014 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	1.69	0.47
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.66	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.50	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 21 13 16-0015 SF 2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	2.51	0.56
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.35	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.58	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.93	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.52	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.90	
07 21 13 16-0016 SF 3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	3.33	0.65
<i>For Horizontal Surface Application, Deduct</i>	-0.11	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.39	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.69	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
 <b>07 21 13 16-0017 Mechanically Fastened, Fiberglass, Fibrous Board Insulation (07 21 13 16-0012)</b>		
Note: Mechanically fastened to wood or steel.		
07 21 13 16-0018 SF 1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	2.96	0.37
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.66	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.50	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 21 13 16-0019 SF 1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened .....	5.09	0.38
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.35	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.58	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.52	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0020	SF	2"	Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	6.34	0.39
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.35	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.58	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.93	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.52	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.90	
07 21 13 16-0021	SF	2-1/2"	Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	7.41	0.39
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.39	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.69	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.02	
07 21 13 16-0022	SF	3"	Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	8.41	0.39
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.39	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.69	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
<b>07 21 13 19</b>			<b>Mineral Board Insulation</b> (07 21 13)		
07 21 13 19-0001			Cold Adhesive Applied Mineral Board Insulation (07 21 13 19)		
07 21 13 19-0002			Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation		
			(07 21 13 19-0001)		
07 21 13 19-0003	SF	1/2"	Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	1.64	0.42
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0004	SF	25/32"	Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	1.88	0.44
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0005	SF	1"	Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	2.12	0.47
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0006	SF	1-1/2"	Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	2.54	0.51
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0007	SF	2"	Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	2.95	0.56
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0008	SF	3"	Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	3.80	0.65
			<i>For Horizontal Surface Application, Deduct</i>	-0.11	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0009			Mechanically Fastened Mineral Board Insulation (07 21 13 19)		
			Note: Mechanically fastened to wood or steel.		
07 21 13 19-0010			Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation		
			(07 21 13 19-0009)		
			Note: Mechanically fastened to wood or steel.		
07 21 13 19-0011	SF	1/2"	Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.29	0.42
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.66	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.50	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 19-0012 SF 25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.53	0.44
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.66	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.50	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 21 13 19-0013 SF 1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.77	0.47
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.66	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.50	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 21 13 19-0014 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened .....	2.24	0.51
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.35	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.58	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.52	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 21 13 19-0015 SF 2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.65	0.56
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.35	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.58	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.93	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.52	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.90	
07 21 13 19-0016 SF 3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	3.55	0.65
<i>For Horizontal Surface Application, Deduct</i>	-0.11	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.39	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.69	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	

**07 21 16**

**Blanket Insulation (07 21)**

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001

Fiberglass Flexible Insulation (07 21 16)

Note: Rolls or batts.

07 21 16 00-0002

Kraft Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)

07 21 16 00-0003 SF 3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation .....	1.35	0.43
<i>For &gt;1,600, Deduct</i>	-0.14	
07 21 16 00-0004 SF 3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation .....	1.46	0.43
<i>For &gt;1,600, Deduct</i>	-0.17	
07 21 16 00-0005 SF 3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation .....	1.49	0.43
<i>For &gt;1,600, Deduct</i>	-0.17	
07 21 16 00-0006 SF 5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation .....	1.97	0.43
<i>For &gt;1,600, Deduct</i>	-0.26	
07 21 16 00-0007 SF 6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation .....	1.69	0.43
<i>For &gt;1,600, Deduct</i>	-0.20	
07 21 16 00-0008 SF 9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation .....	2.32	0.53
<i>For &gt;1,600, Deduct</i>	-0.31	
07 21 16 00-0009 SF 12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation.....	2.64	0.53
<i>For &gt;1,600, Deduct</i>	-0.35	

07 21 16 00-0010

Unfaced, Fiberglass Flexible Insulation (07 21 16 00-0001)

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0011 SF 3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation.....	1.28	0.43
<i>For &gt;1,600, Deduct</i>	-0.13	
07 21 16 00-0012 SF 3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation.....	1.40	0.43
<i>For &gt;1,600, Deduct</i>	-0.15	
07 21 16 00-0013 SF 3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation.....	1.85	0.43
<i>For &gt;1,600, Deduct</i>	-0.24	
07 21 16 00-0014 SF 5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation.....	1.90	0.43
<i>For &gt;1,600, Deduct</i>	-0.25	
07 21 16 00-0015 SF 6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation.....	1.64	0.43
<i>For &gt;1,600, Deduct</i>	-0.19	
07 21 16 00-0016 SF 9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation.....	2.19	0.53
<i>For &gt;1,600, Deduct</i>	-0.28	
07 21 16 00-0017 SF 12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation.....	2.55	0.53
<i>For &gt;1,600, Deduct</i>	-0.33	
<b>07 21 16 00-0018 Foil Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)</b>		
07 21 16 00-0019 SF 3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation .....	1.54	0.43
<i>For &gt;1,600, Deduct</i>	-0.18	
07 21 16 00-0020 SF 3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation .....	1.71	0.43
<i>For &gt;1,600, Deduct</i>	-0.22	
07 21 16 00-0021 SF 6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation .....	1.93	0.43
<i>For &gt;1,600, Deduct</i>	-0.25	
07 21 16 00-0022 SF 10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation .....	2.72	0.53
<i>For &gt;1,600, Deduct</i>	-0.37	
07 21 16 00-0023 SF 12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation.....	2.96	0.53
<i>For &gt;1,600, Deduct</i>	-0.41	
<b>07 21 16 00-0024 Poly-Encapsulated, Fiberglass Flexible Insulation (07 21 16 00-0001)</b>		
07 21 16 00-0025 SF 3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation .....	1.39	0.43
<i>For &gt;1,600, Deduct</i>	-0.15	
07 21 16 00-0026 SF 3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation .....	1.49	0.43
<i>For &gt;1,600, Deduct</i>	-0.17	
07 21 16 00-0027 SF 5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation .....	2.03	0.43
<i>For &gt;1,600, Deduct</i>	-0.28	
07 21 16 00-0028 SF 6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation .....	1.71	0.43
<i>For &gt;1,600, Deduct</i>	-0.20	
07 21 16 00-0029 SF 8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation .....	2.26	0.53
<i>For &gt;1,600, Deduct</i>	-0.31	
07 21 16 00-0030 SF 10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation .....	2.55	0.53
<i>For &gt;1,600, Deduct</i>	-0.33	
<b>07 21 16 00-0031 Mineral Wool Flexible Insulation (07 21 16)</b>		
<b>07 21 16 00-0032 Kraft Faced, Mineral Wool Flexible Insulation (07 21 16 00-0031)</b>		
07 21 16 00-0033 SF 3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation.....	1.51	0.43
<i>For &gt;1,600, Deduct</i>	-0.18	
07 21 16 00-0034 SF 6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation.....	2.00	0.43
<i>For &gt;1,600, Deduct</i>	-0.26	
07 21 16 00-0035 SF 9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation.....	3.09	0.43
<i>For &gt;1,600, Deduct</i>	-0.46	
07 21 16 00-0036 SF 12" Kraft Faced, R-38 Mineral Wool Flexible Insulation.....	3.68	0.43
<i>For &gt;1,600, Deduct</i>	-0.56	
<b>07 21 16 00-0037 Unfaced, Mineral Wool Flexible Insulation (07 21 16 00-0031)</b>		
07 21 16 00-0038 SF 3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation.....	1.41	0.43
<i>For &gt;1,600, Deduct</i>	-0.16	
07 21 16 00-0039 SF 6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation.....	1.84	0.43
<i>For &gt;1,600, Deduct</i>	-0.23	
07 21 16 00-0040 SF 9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation.....	2.78	0.43
<i>For &gt;1,600, Deduct</i>	-0.40	
07 21 16 00-0041 SF 12" Unfaced, R-38 Mineral Wool Flexible Insulation .....	3.31	0.43
<i>For &gt;1,600, Deduct</i>	-0.48	
<b>07 21 16 00-0042 Natural Cotton Insulation (07 21 16)</b>		
<b>07 21 16 00-0043 UltraTouch™ Natural Cotton Insulation (07 21 16 00-0042)</b>		
Note: 85% recycled denim cotton.		
07 21 16 00-0044 SF 3-1/2", R-13 UltraTouch™ Natural Cotton Insulation .....	2.04	0.43
<i>For &gt;1,600, Deduct</i>	-0.28	
07 21 16 00-0045 SF 5-1/2", R-19 UltraTouch™ Natural Cotton Insulation .....	2.28	0.43
<i>For &gt;1,600, Deduct</i>	-0.33	
07 21 16 00-0046 SF 5-1/2", R-21 UltraTouch™ Natural Cotton Insulation .....	2.54	0.43
<i>For &gt;1,600, Deduct</i>	-0.38	
07 21 16 00-0047 SF 8", R-30 UltraTouch™ Natural Cotton Insulation .....	3.38	0.43
<i>For &gt;1,600, Deduct</i>	-0.53	

**07 21 19 Foamed-In-Place Insulation (07 21)**



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 21 19 00-0001</b>		<b>Polyurethane Foam Insulation, Sprayed On</b> <small>(07 21 19)</small>		
07 21 19 00-0002	SF	1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	1.36	
07 21 19 00-0003	SF	2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	2.35	
07 21 19 00-0004	SF	3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	3.31	
07 21 19 00-0005	SF	4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	4.28	
07 21 19 00-0006	SF	5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	5.25	
07 21 19 00-0007	SF	6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	6.23	
07 21 19 00-0008	SF	1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	2.64	
07 21 19 00-0009	SF	2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	4.28	
07 21 19 00-0010	SF	3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	5.92	
07 21 19 00-0011	SF	4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	7.58	
07 21 19 00-0012	SF	5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	9.21	
07 21 19 00-0013	SF	6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	10.86	
<b>07 21 23</b>		<b>Loose-Fill Insulation</b> <small>(07 21)</small>		
<b>07 21 23 00-0001</b>		<b>Poured Type, Loose Fill Insulation</b> <small>(07 21 23)</small>		
07 21 23 00-0002	CF	R-4/Inch, Poured Type, Fiberglass Loose Fill Insulation.....	6.29	2.47
07 21 23 00-0003	CF	R-3.8/Inch, Poured Type, Cellulose Loose Fill Insulation.....	6.72	2.47
<b>07 21 23 00-0004</b>		<b>Concrete Block Wall Cavity Insulation</b> <small>(07 21 23)</small>		
07 21 23 00-0005	CF	R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation.....	8.71	2.47
07 21 23 00-0006	CF	R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation.....	8.63	2.47
<b>07 21 26</b>		<b>Blown Insulation</b> <small>(07 21)</small>		
<b>07 21 26 00-0001</b>		<b>Fiberglass Blown-In Insulation</b> <small>(07 21 26)</small>		
<b>07 21 26 00-0002</b>		<b>Attic, Fiberglass Blown-In Insulation</b> <small>(07 21 26 00-0001)</small>		
07 21 26 00-0003	SF	4-1/2" Thick, R-11 Attic, Fiberglass Blown In Insulation.....	1.37	1.12
07 21 26 00-0004	SF	5-1/4" Thick, R-13 Attic, Fiberglass Blown In Insulation.....	1.52	1.23
07 21 26 00-0005	SF	6-1/2" Thick, R-17 Attic, Fiberglass Blown In Insulation.....	1.69	1.34
07 21 26 00-0006	SF	7-1/2" Thick, R-19 Attic, Fiberglass Blown In Insulation.....	1.88	1.45
07 21 26 00-0007	SF	8-1/2" Thick, R-22 Attic, Fiberglass Blown In Insulation.....	2.00	1.51
07 21 26 00-0008	SF	10-1/4" Thick, R-26 Attic, Fiberglass Blown In Insulation.....	2.16	1.57
07 21 26 00-0009	SF	11-1/2" Thick, R-30 Attic, Fiberglass Blown In Insulation.....	2.31	1.62
07 21 26 00-0010	SF	12-1/2" Thick, R-32 Attic, Fiberglass Blown In Insulation.....	2.41	1.67
07 21 26 00-0011	SF	13-1/2" Thick, R-35 Attic, Fiberglass Blown In Insulation.....	2.60	1.79
07 21 26 00-0012	SF	14-1/2" Thick, R-38 Attic, Fiberglass Blown In Insulation.....	2.73	1.84
07 21 26 00-0013	SF	16-1/2" Thick, R-44 Attic, Fiberglass Blown In Insulation.....	2.94	1.90
07 21 26 00-0014	SF	18-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation.....	3.19	2.02
07 21 26 00-0015	SF	21-3/4" Thick, R-60 Attic, Fiberglass Blown In Insulation.....	3.67	2.23
<b>07 21 26 00-0016</b>		<b>New Wall, Fiberglass Blown-In Insulation</b> <small>(07 21 26 00-0001)</small>		
07 21 26 00-0017	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation.....	1.97	1.12
07 21 26 00-0018	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation.....	2.61	1.34
07 21 26 00-0019	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation.....	3.08	1.45
07 21 26 00-0020	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation.....	3.66	1.57
<b>07 21 26 00-0021</b>		<b>Existing Wall, Fiberglass Blown-In Insulation</b> <small>(07 21 26 00-0001)</small>		
		Note: Includes drilling. Excludes patching.		
07 21 26 00-0022	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation.....	1.87	1.12
07 21 26 00-0023	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation.....	2.51	1.34
07 21 26 00-0024	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation.....	2.98	1.45
07 21 26 00-0025	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation.....	3.56	1.57
<b>07 21 26 00-0026</b>		<b>Cellulose Blown-In Insulation</b> <small>(07 21 26)</small>		
<b>07 21 26 00-0027</b>		<b>Attic, Cellulose Blown-In Insulation</b> <small>(07 21 26 00-0026)</small>		
07 21 26 00-0028	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation.....	1.45	1.12
07 21 26 00-0029	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation.....	1.73	1.23
07 21 26 00-0030	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation.....	1.93	1.34
07 21 26 00-0031	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation.....	2.24	1.45
07 21 26 00-0032	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation.....	2.29	1.45
07 21 26 00-0033	SF	10-3/4" Thick, R-38 Attic, Cellulose Blown In Insulation.....	2.67	1.57
07 21 26 00-0034	SF	11-1/4" Thick, R-40 Attic, Cellulose Blown In Insulation.....	2.74	1.57
07 21 26 00-0035	SF	12-1/2" Thick, R-45 Attic, Cellulose Blown In Insulation.....	2.98	1.67
07 21 26 00-0036	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation.....	3.17	1.67
07 21 26 00-0037	SF	15-1/2" Thick, R-55 Attic, Cellulose Blown In Insulation.....	3.43	1.79
07 21 26 00-0038	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation.....	3.61	1.79
<b>07 21 26 00-0039</b>		<b>New Wall, Cellulose Blown-In Insulation</b> <small>(07 21 26 00-0026)</small>		
07 21 26 00-0040	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation.....	1.92	1.12

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 26 00-0041 SF 5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation .....	2.54	1.34
07 21 26 00-0042 SF 7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation .....	2.98	1.45
07 21 26 00-0043 SF 9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation .....	3.53	1.57
<b>07 21 26 00-0044 Existing Wall, Cellulose Blown-In Insulation (07 21 26 00-0026)</b> Note: Includes drilling. Excludes patching.		
07 21 26 00-0045 SF 3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation .....	1.82	1.12
07 21 26 00-0046 SF 5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation .....	2.44	1.34
07 21 26 00-0047 SF 7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation .....	2.88	1.45
07 21 26 00-0048 SF 9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation .....	3.43	1.57
<b>07 21 29 Sprayed Insulation (07 21)</b>		
<b>07 21 29 00-0001 Fiber Sprayed On Insulation (07 21 29)</b> Note: Per each 1" of thickness.		
07 21 29 00-0002 SF 1" Thick, R2.7, Spray-on Perlite Insulation.....	2.23	0.65
07 21 29 00-0003 SF 1" Thick, R3.7, Spray-on Fibrous/Cementitious Insulation.....	1.63	0.65
<b>07 21 29 00-0004 Cellulose Sprayed On Insulation (07 21 29)</b>		
07 21 29 00-0005 SF 1" Thick, Spray-on Cellulose Insulation.....	3.17	0.65
<b>07 21 53 Reflective Insulation (07 21)</b>		
<b>07 21 53 00-0001 Reflective Barrier Insulation (Foil - Single Bubble - Foil) (07 21 53)</b>		
07 21 53 00-0002 SF 3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space .....	1.07	
<b>07 22 Roof and Deck Insulation (07 20)</b>		
<b>07 22 16 Roof Board Insulation (07 22)</b> Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.		
<b>07 22 16 00-0001 Rigid Board Roofing Insulation (07 22 16)</b> Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. See CSI section 07 22 16 00-0466 for demolition of insulation board.		
<b>07 22 16 00-0002 Cold Adhesive Applied Rigid Board Roofing Insulation (07 22 16 00-0001)</b>		
<b>07 22 16 00-0003 Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0002)</b>		
07 22 16 00-0004 SF 1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied.....	1.99	
07 22 16 00-0005 SF 25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied.....	2.26	
07 22 16 00-0006 SF 1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied.....	2.51	
07 22 16 00-0007 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....	2.97	
07 22 16 00-0008 SF 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....	3.43	
<b>07 22 16 00-0009 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0002)</b>		
07 22 16 00-0010 SF 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied.....	2.39	
07 22 16 00-0011 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied.....	2.44	
<b>07 22 16 00-0012 Cold Adhesive Applied, Perlite, Roof Board Insulation (07 22 16 00-0002)</b>		
07 22 16 00-0013 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	1.93	
07 22 16 00-0014 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	1.93	
07 22 16 00-0015 SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.06	
07 22 16 00-0016 SF 1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied .....	2.23	
07 22 16 00-0017 SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.64	
07 22 16 00-0018 SF 2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied .....	2.90	
<b>07 22 16 00-0019 Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0002)</b>		
07 22 16 00-0020 SF 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied .....	2.46	
07 22 16 00-0021 SF 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied .....	3.11	
07 22 16 00-0022 SF 3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied .....	3.88	
<b>07 22 16 00-0023 Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0002)</b>		
07 22 16 00-0024 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	4.08	
07 22 16 00-0025 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	4.72	
07 22 16 00-0026 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	5.97	
07 22 16 00-0027 SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	11.61	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 22 16 00-0028 Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation</b> <small>(07 22 16 00-0002)</small>		
07 22 16 00-0029 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	2.11	
<i>For Loose-Laid, Deduct</i>	-1.16	
07 22 16 00-0030 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	1.98	
<i>For Loose-Laid, Deduct</i>	-1.16	
07 22 16 00-0031 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	2.13	
<i>For Loose-Laid, Deduct</i>	-1.16	
07 22 16 00-0032 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	2.29	
<i>For Loose-Laid, Deduct</i>	-1.17	
07 22 16 00-0033 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	2.91	
<i>For Loose-Laid, Deduct</i>	-1.18	
07 22 16 00-0034 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	3.53	
<i>For Loose-Laid, Deduct</i>	-1.19	
07 22 16 00-0035 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	4.16	
<i>For Loose-Laid, Deduct</i>	-1.21	
07 22 16 00-0036 SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	4.77	
<i>For Loose-Laid, Deduct</i>	-1.22	
07 22 16 00-0037 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	5.40	
<i>For Loose-Laid, Deduct</i>	-1.23	
<b>07 22 16 00-0038 Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation</b> <small>(07 22 16 00-0002)</small>		
Note: 15 PSI compressive strength.		
07 22 16 00-0039 SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied.....	2.87	
<i>For Loose-Laid, Deduct</i>	-1.11	
<i>For 25 PSI Compressive Strength, Add</i>	0.31	
<i>For 40 PSI Compressive Strength, Add</i>	0.74	
<i>For 60 PSI Compressive Strength, Add</i>	1.17	
<i>For 115 PSI Compressive Strength, Add</i>	5.08	
07 22 16 00-0040 SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied.....	2.40	
<i>For Loose-Laid, Deduct</i>	-1.11	
<i>For 25 PSI Compressive Strength, Add</i>	0.23	
<i>For 40 PSI Compressive Strength, Add</i>	0.55	
<i>For 60 PSI Compressive Strength, Add</i>	0.89	
<i>For 115 PSI Compressive Strength, Add</i>	3.85	
07 22 16 00-0041 SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied.....	3.76	
<i>For Loose-Laid, Deduct</i>	-1.11	
<i>For 25 PSI Compressive Strength, Add</i>	0.45	
<i>For 40 PSI Compressive Strength, Add</i>	1.07	
<i>For 60 PSI Compressive Strength, Add</i>	1.68	
<i>For 100 PSI Compressive Strength, Add</i>	2.16	
<i>For 115 PSI Compressive Strength, Add</i>	7.34	
07 22 16 00-0042 SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied.....	3.23	
<i>For Loose-Laid, Deduct</i>	-1.12	
<i>For 25 PSI Compressive Strength, Add</i>	0.36	
<i>For 40 PSI Compressive Strength, Add</i>	0.86	
<i>For 60 PSI Compressive Strength, Add</i>	1.36	
<i>For 115 PSI Compressive Strength, Add</i>	5.93	
07 22 16 00-0043 SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied.....	5.23	
<i>For Loose-Laid, Deduct</i>	-1.12	
<i>For 25 PSI Compressive Strength, Add</i>	0.68	
<i>For 40 PSI Compressive Strength, Add</i>	1.62	
<i>For 60 PSI Compressive Strength, Add</i>	2.52	
<i>For 100 PSI Compressive Strength, Add</i>	3.25	
<i>For 115 PSI Compressive Strength, Add</i>	11.07	
07 22 16 00-0044 SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied.....	4.07	
<i>For Loose-Laid, Deduct</i>	-1.13	
<i>For 25 PSI Compressive Strength, Add</i>	0.49	
<i>For 40 PSI Compressive Strength, Add</i>	1.17	
<i>For 60 PSI Compressive Strength, Add</i>	1.84	
<i>For 115 PSI Compressive Strength, Add</i>	8.04	
07 22 16 00-0045 SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied.....	4.51	
<i>For Loose-Laid, Deduct</i>	-1.15	
<i>For 25 PSI Compressive Strength, Add</i>	0.56	
<i>For 40 PSI Compressive Strength, Add</i>	1.33	
<i>For 60 PSI Compressive Strength, Add</i>	2.08	
<i>For 115 PSI Compressive Strength, Add</i>	9.10	
<b>07 22 16 00-0046 Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation</b> <small>(07 22 16 00-0002)</small>		
07 22 16 00-0047 SF 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	2.56	
<i>For Loose-Laid, Deduct</i>	-1.11	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.16	
07 22 16 00-0048 SF 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	2.67	
<i>For Loose-Laid, Deduct</i>	-1.11	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.17	
07 22 16 00-0049 SF 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	2.83	
<i>For Loose-Laid, Deduct</i>	-1.12	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.19	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0050 SF 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	3.25	
For Loose-Laid, Deduct	-1.12	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.23	
07 22 16 00-0051 SF 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	3.67	
For Loose-Laid, Deduct	-1.13	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.27	
07 22 16 00-0052 SF 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	4.09	
For Loose-Laid, Deduct	-1.13	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.31	
07 22 16 00-0053 SF 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	4.56	
For Loose-Laid, Deduct	-1.14	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.36	
07 22 16 00-0054 SF 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	4.96	
For Loose-Laid, Deduct	-1.15	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.40	
<b>07 22 16 00-0055 Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0002)</b>		
07 22 16 00-0056 SF 1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied.....	2.90	
<b>07 22 16 00-0057 Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0002)</b>		
07 22 16 00-0058 SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied .....	2.74	
07 22 16 00-0059 SF 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied .....	2.91	
07 22 16 00-0060 SF 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied .....	3.03	
07 22 16 00-0061 SF 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied .....	3.09	
<b>07 22 16 00-0062 Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0002)</b>		
07 22 16 00-0063 SF 1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	2.68	
07 22 16 00-0064 SF 1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	2.94	
07 22 16 00-0065 SF 5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	3.00	
<b>07 22 16 00-0066 Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation (07 22 16 00-0002)</b>		
Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0067 SF 1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	4.71	
07 22 16 00-0068 SF 2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	4.96	
07 22 16 00-0069 SF 2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	5.28	
07 22 16 00-0070 SF 3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	5.49	
07 22 16 00-0071 SF 3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	5.97	
07 22 16 00-0072 SF 4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	6.18	
07 22 16 00-0073 SF 4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	6.49	
<b>07 22 16 00-0074 Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation (07 22 16 00-0002)</b>		
Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0075 SF 2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	4.75	
07 22 16 00-0076 SF 3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	5.19	
07 22 16 00-0077 SF 3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	5.70	
07 22 16 00-0078 SF 4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	6.03	
07 22 16 00-0079 SF 4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	6.46	
07 22 16 00-0080 SF 5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	6.93	
07 22 16 00-0081 SF 5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	7.75	
<b>07 22 16 00-0082 Hot-Mopped Rigid Board Roofing Insulation (07 22 16 00-0001)</b>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 22 16 00-0083</b>				<b>Hot-Mopped, High-Density Fiberboard, Roof Board Insulation</b> (07 22 16 00-0082)		
			SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	1.72	
			SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	1.97	
			SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	2.23	
			SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	2.71	
			SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	3.18	
<b>07 22 16 00-0089</b>				<b>Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation</b> (07 22 16 00-0082)		
			SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped.....	2.11	
			SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped.....	2.16	
<b>07 22 16 00-0092</b>				<b>Hot-Mopped, Perlite, Roof Board Insulation</b> (07 22 16 00-0082)		
			SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped.....	1.62	
			SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped.....	1.76	
			SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped.....	1.93	
			SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped.....	2.34	
			SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped.....	2.60	
<b>07 22 16 00-0098</b>				<b>Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation</b> (07 22 16 00-0082)		
			SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	2.15	
			SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	2.80	
			SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	3.59	
<b>07 22 16 00-0102</b>				<b>Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation</b> (07 22 16 00-0082)		
			SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped.....	3.78	
			SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped.....	4.41	
			SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped.....	5.69	
			SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped.....	11.32	
<b>07 22 16 00-0107</b>				<b>Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation</b> (07 22 16 00-0082)		
			SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	1.82	
			SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	1.69	
			SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	1.74	
			SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	1.98	
			SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	2.62	
			SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	3.25	
			SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	3.87	
			SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	4.50	
			SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	5.12	
<b>07 22 16 00-0117</b>				<b>Hot-Mopped, Extruded Polystyrene, Roof Board Insulation</b> (07 22 16 00-0082)		
				Note: 15 PSI compressive strength.		
			SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	2.57	
				For 25 PSI Compressive Strength, Add	0.25	
				For 40 PSI Compressive Strength, Add	0.59	
				For 60 PSI Compressive Strength, Add	0.95	
				For 115 PSI Compressive Strength, Add	4.09	
			SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	2.09	
				For 25 PSI Compressive Strength, Add	0.17	
				For 40 PSI Compressive Strength, Add	0.40	
				For 60 PSI Compressive Strength, Add	0.67	
				For 115 PSI Compressive Strength, Add	2.83	
			SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	3.46	
				For 25 PSI Compressive Strength, Add	0.39	
				For 40 PSI Compressive Strength, Add	0.92	
				For 60 PSI Compressive Strength, Add	1.46	
				For 100 PSI Compressive Strength, Add	1.87	
				For 115 PSI Compressive Strength, Add	6.35	
			SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	3.05	
				For 25 PSI Compressive Strength, Add	0.30	
				For 40 PSI Compressive Strength, Add	0.71	
				For 60 PSI Compressive Strength, Add	1.15	
				For 115 PSI Compressive Strength, Add	4.95	
			SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	14.45	
				For 25 PSI Compressive Strength, Add	0.62	
				For 40 PSI Compressive Strength, Add	1.47	
				For 60 PSI Compressive Strength, Add	2.78	
				For 100 PSI Compressive Strength, Add	3.44	
				For 115 PSI Compressive Strength, Add	11.03	
			SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	3.78	
				For 25 PSI Compressive Strength, Add	0.43	
				For 40 PSI Compressive Strength, Add	1.02	
				For 60 PSI Compressive Strength, Add	1.61	
				For 115 PSI Compressive Strength, Add	7.02	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0124	SF		4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	4.22	
			<i>For 25 PSI Compressive Strength, Add</i>	0.50	
			<i>For 40 PSI Compressive Strength, Add</i>	1.18	
			<i>For 60 PSI Compressive Strength, Add</i>	1.85	
			<i>For 115 PSI Compressive Strength, Add</i>	8.08	
<b>07 22 16 00-0125</b>			<b>Hot-Mopped, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0082)</b>		
07 22 16 00-0126	SF		3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	2.26	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.12	
07 22 16 00-0127	SF		1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	2.37	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.13	
07 22 16 00-0128	SF		1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	2.52	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.15	
07 22 16 00-0129	SF		2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	2.94	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.19	
07 22 16 00-0130	SF		2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	3.38	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.23	
07 22 16 00-0131	SF		3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	3.80	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.27	
07 22 16 00-0132	SF		3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	4.16	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.32	
07 22 16 00-0133	SF		4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	4.67	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.36	
<b>07 22 16 00-0134</b>			<b>Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0082)</b>		
07 22 16 00-0135	SF		1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.46	
07 22 16 00-0136	SF		3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.63	
07 22 16 00-0137	SF		1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.75	
07 22 16 00-0138	SF		5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.81	
<b>07 22 16 00-0139</b>			<b>Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0082)</b>		
07 22 16 00-0140	SF		1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped .....	2.40	
07 22 16 00-0141	SF		1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped .....	2.66	
07 22 16 00-0142	SF		5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped .....	2.72	
<b>07 22 16 00-0143</b>			<b>Mechanically Fastened Rigid Board Roofing Insulation (07 22 16 00-0001)</b>		
			Note: Mechanically fastened to wood or steel.		
<b>07 22 16 00-0144</b>			<b>Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0143)</b>		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0145	SF		1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened .....	1.64	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.94	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0146	SF		25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened .....	1.91	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.96	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.77	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0147	SF		1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened .....	2.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.79	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0148 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	2.67	
<i>For Mechanically Fastened To Concrete, Add</i>	1.35	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0149 SF 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	3.13	
<i>For Mechanically Fastened To Concrete, Add</i>	1.35	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.58	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.93	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.90	
<b>07 22 16 00-0150 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation</b>		
(07 22 16 00-0143) Note: Mechanically fastened to wood or steel.		
07 22 16 00-0151 SF 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened.....	2.04	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.79	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0152 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened.....	2.08	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.98	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.79	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
<b>07 22 16 00-0153 Mechanically Fastened, Perlite, Roof Board Insulation</b>		
(07 22 16 00-0143) Note: Mechanically fastened to wood or steel.		
07 22 16 00-0154 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.58	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.90	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.71	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0155 SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.71	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.90	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.71	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0156 SF 1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.88	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.90	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.71	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0157 SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened.....	2.34	
<i>For Mechanically Fastened To Concrete, Add</i>	1.35	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0158 SF 2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened.....	2.61	
For Mechanically Fastened To Concrete, Add	1.35	
For Mechanically Fastened To Gypsum, Add	1.58	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.61	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.70	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.93	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.91	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.55	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.90	
<b>07 22 16 00-0159 Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0143)</b>		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0160 SF 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	2.11	
For Mechanically Fastened To Concrete, Add	1.31	
For Mechanically Fastened To Gypsum, Add	1.62	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.49	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.90	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.91	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.73	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.71	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.87	
07 22 16 00-0161 SF 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	2.81	
For Mechanically Fastened To Concrete, Add	1.35	
For Mechanically Fastened To Gypsum, Add	1.58	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.61	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.70	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.93	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.91	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.55	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.90	
07 22 16 00-0162 SF 3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	3.64	
For Mechanically Fastened To Concrete, Add	1.39	
For Mechanically Fastened To Gypsum, Add	1.64	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.69	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.11	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.07	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.04	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.01	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.07	
<b>07 22 16 00-0163 Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0143)</b>		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0164 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	3.79	
For Mechanically Fastened To Concrete, Add	1.35	
For Mechanically Fastened To Gypsum, Add	1.62	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.61	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.70	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.91	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.91	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.55	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.87	
07 22 16 00-0165 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	4.42	
For Mechanically Fastened To Concrete, Add	1.35	
For Mechanically Fastened To Gypsum, Add	1.58	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.61	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.70	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.93	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.91	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.55	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.90	
07 22 16 00-0166 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	5.73	
For Mechanically Fastened To Concrete, Add	1.39	
For Mechanically Fastened To Gypsum, Add	1.64	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.69	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.11	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.07	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.04	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.01	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.07	
07 22 16 00-0167 SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	11.45	
For Mechanically Fastened To Concrete, Add	1.42	
For Mechanically Fastened To Gypsum, Add	1.61	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.81	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.91	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.42	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.23	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.89	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.48	



MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0168	<b>Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation</b> <small>(07 22 16 00-0143)</small> Note: Mechanically fastened to wood or steel.		
07 22 16 00-0169	SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened..... <ul style="list-style-type: none"> <li><i>For Mechanically Fastened To Concrete, Add</i> 1.31</li> <li><i>For Mechanically Fastened To Gypsum, Add</i> 1.62</li> <li><i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> 0.49</li> <li><i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> 1.93</li> <li><i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> 1.91</li> <li><i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> 0.73</li> <li><i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> 2.74</li> <li><i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> 2.87</li> </ul>	1.76	
07 22 16 00-0170	SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened..... <ul style="list-style-type: none"> <li><i>For Mechanically Fastened To Concrete, Add</i> 1.31</li> <li><i>For Mechanically Fastened To Gypsum, Add</i> 1.62</li> <li><i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> 0.49</li> <li><i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> 1.93</li> <li><i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> 1.91</li> <li><i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> 0.73</li> <li><i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> 2.74</li> <li><i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> 2.87</li> </ul>	1.63	
07 22 16 00-0171	SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened..... <ul style="list-style-type: none"> <li><i>For Mechanically Fastened To Concrete, Add</i> 1.31</li> <li><i>For Mechanically Fastened To Gypsum, Add</i> 1.62</li> <li><i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> 0.49</li> <li><i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> 1.93</li> <li><i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> 1.91</li> <li><i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> 0.73</li> <li><i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> 2.74</li> <li><i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> 2.87</li> </ul>	1.78	
07 22 16 00-0172	SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened..... <ul style="list-style-type: none"> <li><i>For Mechanically Fastened To Concrete, Add</i> 1.31</li> <li><i>For Mechanically Fastened To Gypsum, Add</i> 1.62</li> <li><i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> 0.49</li> <li><i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> 1.94</li> <li><i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> 1.91</li> <li><i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> 0.73</li> <li><i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> 2.75</li> <li><i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> 2.87</li> </ul>	1.94	
07 22 16 00-0173	SF 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened..... <ul style="list-style-type: none"> <li><i>For Mechanically Fastened To Concrete, Add</i> 1.35</li> <li><i>For Mechanically Fastened To Gypsum, Add</i> 1.58</li> <li><i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> 0.61</li> <li><i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> 1.70</li> <li><i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> 1.93</li> <li><i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> 0.91</li> <li><i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> 2.55</li> <li><i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> 2.90</li> </ul>	2.61	
07 22 16 00-0174	SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened..... <ul style="list-style-type: none"> <li><i>For Mechanically Fastened To Concrete, Add</i> 1.39</li> <li><i>For Mechanically Fastened To Gypsum, Add</i> 1.64</li> <li><i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> 0.69</li> <li><i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> 2.15</li> <li><i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> 2.07</li> <li><i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> 1.04</li> <li><i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> 3.05</li> <li><i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> 3.07</li> </ul>	3.29	
07 22 16 00-0175	SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened..... <ul style="list-style-type: none"> <li><i>For Mechanically Fastened To Concrete, Add</i> 1.42</li> <li><i>For Mechanically Fastened To Gypsum, Add</i> 1.65</li> <li><i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> 0.81</li> <li><i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> 1.91</li> <li><i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> 2.14</li> <li><i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> 1.23</li> <li><i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> 2.89</li> <li><i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> 3.23</li> </ul>	4.00	
07 22 16 00-0176	SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened..... <ul style="list-style-type: none"> <li><i>For Mechanically Fastened To Concrete, Add</i> 1.46</li> <li><i>For Mechanically Fastened To Gypsum, Add</i> 1.64</li> <li><i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> 0.96</li> <li><i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> 2.06</li> <li><i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> 2.62</li> <li><i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> 1.44</li> <li><i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> 3.11</li> <li><i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> 3.76</li> </ul>	4.73	
07 22 16 00-0177	SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened..... <ul style="list-style-type: none"> <li><i>For Mechanically Fastened To Concrete, Add</i> 1.50</li> <li><i>For Mechanically Fastened To Gypsum, Add</i> 1.30</li> <li><i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> 1.51</li> <li><i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> 2.62</li> <li><i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> 2.79</li> <li><i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> 2.27</li> <li><i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> 3.94</li> <li><i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> 4.00</li> </ul>	6.02	

## 07 Thermal And Moisture Protection

## 07 20 Thermal Protection

## 07 22 Roof and Deck Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0178			<b>Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation</b> (07 22 16 00-0143)		
			Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.		
07 22 16 00-0179	SF		3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.52	
			For 25 PSI Compressive Strength, Add	0.25	
			For 40 PSI Compressive Strength, Add	0.60	
			For 60 PSI Compressive Strength, Add	0.97	
			For 115 PSI Compressive Strength, Add	4.18	
			For Mechanically Fastened To Concrete, Add	1.31	
			For Mechanically Fastened To Gypsum, Add	1.62	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.49	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.90	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.91	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.73	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.71	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.87	
07 22 16 00-0180	SF		1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.05	
			For 25 PSI Compressive Strength, Add	0.18	
			For 40 PSI Compressive Strength, Add	0.42	
			For 60 PSI Compressive Strength, Add	0.69	
			For 115 PSI Compressive Strength, Add	2.95	
			For Mechanically Fastened To Concrete, Add	1.31	
			For Mechanically Fastened To Gypsum, Add	1.62	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.49	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.90	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.91	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.73	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.71	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.87	
07 22 16 00-0181	SF		1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.46	
			For 25 PSI Compressive Strength, Add	0.40	
			For 40 PSI Compressive Strength, Add	0.96	
			For 60 PSI Compressive Strength, Add	1.51	
			For 100 PSI Compressive Strength, Add	1.94	
			For 115 PSI Compressive Strength, Add	6.57	
			For Mechanically Fastened To Concrete, Add	1.35	
			For Mechanically Fastened To Gypsum, Add	1.62	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.61	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.70	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.91	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.91	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.55	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.87	
07 22 16 00-0182	SF		2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.93	
			For 25 PSI Compressive Strength, Add	0.32	
			For 40 PSI Compressive Strength, Add	0.75	
			For 60 PSI Compressive Strength, Add	1.19	
			For 115 PSI Compressive Strength, Add	5.16	
			For Mechanically Fastened To Concrete, Add	1.35	
			For Mechanically Fastened To Gypsum, Add	1.58	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.61	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.70	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.93	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.91	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.55	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.90	
07 22 16 00-0183	SF		2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	4.99	
			For 25 PSI Compressive Strength, Add	0.64	
			For 40 PSI Compressive Strength, Add	1.53	
			For 60 PSI Compressive Strength, Add	2.39	
			For 100 PSI Compressive Strength, Add	3.07	
			For 115 PSI Compressive Strength, Add	10.45	
			For Mechanically Fastened To Concrete, Add	1.39	
			For Mechanically Fastened To Gypsum, Add	1.61	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.69	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.11	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.01	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.04	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.01	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.02	
07 22 16 00-0184	SF		3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.82	
			For 25 PSI Compressive Strength, Add	0.45	
			For 40 PSI Compressive Strength, Add	1.08	
			For 60 PSI Compressive Strength, Add	1.70	
			For 115 PSI Compressive Strength, Add	7.40	
			For Mechanically Fastened To Concrete, Add	1.39	
			For Mechanically Fastened To Gypsum, Add	1.64	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.69	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.11	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.07	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.04	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.01	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.07	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0185 SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened .....	4.35	
<i>For 25 PSI Compressive Strength, Add</i>	0.53	
<i>For 40 PSI Compressive Strength, Add</i>	1.27	
<i>For 60 PSI Compressive Strength, Add</i>	1.99	
<i>For 115 PSI Compressive Strength, Add</i>	8.68	
<i>For Mechanically Fastened To Concrete, Add</i>	1.42	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.65	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.81	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.14	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.23	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.23	
<b>07 22 16 00-0186 Mechanically Fastened, Polyisocyanurate Board Roofing Insulation</b> (07 22 16 00-0143)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0187 SF 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	2.21	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.13	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.90	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.71	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0188 SF 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	2.32	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.90	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.71	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0189 SF 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	2.53	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.35	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0190 SF 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	2.95	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.20	
<i>For Mechanically Fastened To Concrete, Add</i>	1.35	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.58	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.93	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.90	
07 22 16 00-0191 SF 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	3.42	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.25	
<i>For Mechanically Fastened To Concrete, Add</i>	1.39	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.11	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.01	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.02	
07 22 16 00-0192 SF 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	3.84	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.29	
<i>For Mechanically Fastened To Concrete, Add</i>	1.39	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.11	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.01	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0193	SF 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	4.40
	<i>For Foil Facer, Add</i>	0.36
	<i>For 25 PSI Compressive Strength, Add</i>	0.34
	<i>For Mechanically Fastened To Concrete, Add</i>	1.42
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.61
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.81
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.43
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.23
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.49
07 22 16 00-0194	SF 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	4.81
	<i>For Foil Facer, Add</i>	0.36
	<i>For 25 PSI Compressive Strength, Add</i>	0.38
	<i>For Mechanically Fastened To Concrete, Add</i>	1.42
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.65
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.81
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.14
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.23
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.23
<b>07 22 16 00-0195</b>	<b>Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation</b> <small>(07 22 16 00-0143)</small>	
	Note: Mechanically fastened to wood or steel.	
07 22 16 00-0196	SF 1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened .....	2.55
	<i>For Mechanically Fastened To Concrete, Add</i>	1.31
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.62
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.94
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87
<b>07 22 16 00-0197</b>	<b>Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock)</b> <small>(07 22 16 00-0143)</small>	
	Note: Mechanically fastened to wood or steel.	
07 22 16 00-0198	SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	2.39
	<i>For Mechanically Fastened To Concrete, Add</i>	1.31
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.62
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.94
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87
07 22 16 00-0199	SF 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	2.56
	<i>For Mechanically Fastened To Concrete, Add</i>	1.31
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.62
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.94
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87
07 22 16 00-0200	SF 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	2.68
	<i>For Mechanically Fastened To Concrete, Add</i>	1.31
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.62
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.94
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87
07 22 16 00-0201	SF 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	2.74
	<i>For Mechanically Fastened To Concrete, Add</i>	1.31
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.62
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.94
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87
<b>07 22 16 00-0202</b>	<b>Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock)</b> <small>(07 22 16 00-0143)</small>	
	Note: Mechanically fastened to wood or steel.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0203 SF 1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	2.33	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.94	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0204 SF 1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	2.59	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.94	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0205 SF 5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	2.65	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.94	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
<b>07 22 16 00-0206 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation</b> (07 22 16 00-0143)		
Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.		
07 22 16 00-0207 SF 1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.41	
<i>For Mechanically Fastened To Concrete, Add</i>	1.35	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.93	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.90	
07 22 16 00-0208 SF 2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.66	
<i>For Mechanically Fastened To Concrete, Add</i>	1.35	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.58	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.93	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.90	
07 22 16 00-0209 SF 2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.04	
<i>For Mechanically Fastened To Concrete, Add</i>	1.39	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.26	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.16	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.02	
07 22 16 00-0210 SF 3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.24	
<i>For Mechanically Fastened To Concrete, Add</i>	1.39	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.27	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.07	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.17	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 22 16 00-0211 SF 3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.82	
<i>For Mechanically Fastened To Concrete, Add</i>	1.42	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.81	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.23	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.65	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0212	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.03
		<i>For Mechanically Fastened To Concrete, Add</i>	1.42
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.65
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.81
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.14
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.23
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.23
07 22 16 00-0213	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.45
		<i>For Mechanically Fastened To Concrete, Add</i>	1.46
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.96
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.77
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.44
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.11
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.91
07 22 16 00-0214		<b>Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation</b> (07 22 16 00-0143)	
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.	
07 22 16 00-0215	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.51
		<i>For Mechanically Fastened To Concrete, Add</i>	1.39
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.61
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.25
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.15
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.02
07 22 16 00-0216	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.95
		<i>For Mechanically Fastened To Concrete, Add</i>	1.39
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.26
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.07
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.16
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07
07 22 16 00-0217	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.54
		<i>For Mechanically Fastened To Concrete, Add</i>	1.42
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.61
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.81
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.57
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.23
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.63
07 22 16 00-0218	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.88
		<i>For Mechanically Fastened To Concrete, Add</i>	1.42
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.65
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.81
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.14
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.23
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.23
07 22 16 00-0219	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.42
		<i>For Mechanically Fastened To Concrete, Add</i>	1.46
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.96
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.73
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.44
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.11
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.87
07 22 16 00-0220	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.88
		<i>For Mechanically Fastened To Concrete, Add</i>	1.46
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.96
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.73
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.44
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.11
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.87



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0221	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	8.22	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.50	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.30	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.62	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.93	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.27	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.94	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.14	
07 22 16 00-0222		<b>Rigid Board Tapered Roofing Insulation</b> (07 22 16) Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board. See CSI section 07 22 16 00-0466 for demolition of insulation board.		
07 22 16 00-0223		<b>Cold Adhesive Applied Rigid Board Tapered Roofing Insulation</b> (07 22 16 00-0222)		
07 22 16 00-0224		<b>Cold Adhesive Applied, Tapered Polyisocyanurate Board</b> (07 22 16 00-0223) Note: Includes polyurethane adhesive.		
07 22 16 00-0225		<b>Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board</b> (07 22 16 00-0224)		
07 22 16 00-0226	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	4.57	
		<i>For 25 PSI Compressive Strength, Add</i>	0.32	
07 22 16 00-0227	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	6.26	
		<i>For 25 PSI Compressive Strength, Add</i>	0.37	
07 22 16 00-0228	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	6.83	
		<i>For 25 PSI Compressive Strength, Add</i>	0.43	
07 22 16 00-0229	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	7.38	
		<i>For 25 PSI Compressive Strength, Add</i>	0.48	
07 22 16 00-0230	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	7.94	
		<i>For 25 PSI Compressive Strength, Add</i>	0.54	
07 22 16 00-0231	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	9.65	
		<i>For 25 PSI Compressive Strength, Add</i>	0.60	
07 22 16 00-0232	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	10.21	
		<i>For 25 PSI Compressive Strength, Add</i>	0.66	
07 22 16 00-0233	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	10.77	
		<i>For 25 PSI Compressive Strength, Add</i>	0.71	
07 22 16 00-0234	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	11.33	
		<i>For 25 PSI Compressive Strength, Add</i>	0.77	
07 22 16 00-0235	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	13.02	
		<i>For 25 PSI Compressive Strength, Add</i>	0.82	
07 22 16 00-0236		<b>Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board</b> (07 22 16 00-0224)		
07 22 16 00-0237	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	4.29	
		<i>For 25 PSI Compressive Strength, Add</i>	0.29	
07 22 16 00-0238	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	6.54	
		<i>For 25 PSI Compressive Strength, Add</i>	0.40	
07 22 16 00-0239	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	7.66	
		<i>For 25 PSI Compressive Strength, Add</i>	0.51	
07 22 16 00-0240	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	9.93	
		<i>For 25 PSI Compressive Strength, Add</i>	0.63	
07 22 16 00-0241	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	11.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.74	
07 22 16 00-0242	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	13.30	
		<i>For 25 PSI Compressive Strength, Add</i>	0.85	
07 22 16 00-0243		<b>Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board</b> (07 22 16 00-0224)		
07 22 16 00-0244	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	7.10	
		<i>For 25 PSI Compressive Strength, Add</i>	0.46	
07 22 16 00-0245	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	10.49	
		<i>For 25 PSI Compressive Strength, Add</i>	0.68	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0246 SF 7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	13.86	
For 25 PSI Compressive Strength, Add	0.91	
07 22 16 00-0247 SF 9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	17.25	
For 25 PSI Compressive Strength, Add	1.13	
<b>07 22 16 00-0248 Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS)</b> (07 22 16 00-0223)		
Note: Includes polyurethane adhesive.		
<b>07 22 16 00-0249 Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)</b> (07 22 16 00-0248)		
07 22 16 00-0250 SF 2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	3.94	
07 22 16 00-0251 SF 2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	5.64	
07 22 16 00-0252 SF 3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.06	
07 22 16 00-0253 SF 3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.48	
07 22 16 00-0254 SF 4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.90	
07 22 16 00-0255 SF 4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	8.61	
07 22 16 00-0256 SF 5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.03	
07 22 16 00-0257 SF 5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.45	
07 22 16 00-0258 SF 6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.87	
07 22 16 00-0259 SF 6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	11.57	
<b>07 22 16 00-0260 Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)</b> (07 22 16 00-0248)		
07 22 16 00-0261 SF 2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	3.73	
07 22 16 00-0262 SF 3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	5.85	
07 22 16 00-0263 SF 4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.69	
07 22 16 00-0264 SF 5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	8.82	
07 22 16 00-0265 SF 6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.66	
07 22 16 00-0266 SF 7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	11.78	
<b>07 22 16 00-0267 Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)</b> (07 22 16 00-0248)		
07 22 16 00-0268 SF 3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.27	
07 22 16 00-0269 SF 5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.24	
07 22 16 00-0270 SF 7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	12.20	
07 22 16 00-0271 SF 9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	15.60	
<b>07 22 16 00-0272 Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS)</b> (07 22 16 00-0223)		
Note: Includes polyurethane adhesive.		
<b>07 22 16 00-0273 Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> (07 22 16 00-0272)		
07 22 16 00-0274 SF 2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	4.45	
07 22 16 00-0275 SF 2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	6.14	
07 22 16 00-0276 SF 3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	6.67	
07 22 16 00-0277 SF 3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.20	
07 22 16 00-0278 SF 4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.74	
07 22 16 00-0279 SF 4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	9.44	
07 22 16 00-0280 SF 5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	9.97	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 22 16 00-0281	SF		5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied ..... 10.50	10.50	
	07 22 16 00-0282	SF		6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied ..... 11.03	11.03	
	07 22 16 00-0283	SF		6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied ..... 12.73	12.73	
<b>07 22 16 00-0284</b>				<b>Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0272)</small></b>		
	07 22 16 00-0285	SF		2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied..... 4.18	4.18	
	07 22 16 00-0286	SF		3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied..... 6.41	6.41	
	07 22 16 00-0287	SF		4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied..... 7.47	7.47	
	07 22 16 00-0288	SF		5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied..... 9.71	9.71	
	07 22 16 00-0289	SF		6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied..... 10.77	10.77	
	07 22 16 00-0290	SF		7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied..... 13.00	13.00	
<b>07 22 16 00-0291</b>				<b>Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0272)</small></b>		
	07 22 16 00-0292	SF		3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied..... 6.94	6.94	
				<i>For Mechanically Fastened To Concrete, Add</i> 1.39		
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> 1.64		
	07 22 16 00-0293	SF		5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied..... 10.24	10.24	
	07 22 16 00-0294	SF		7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied..... 13.53	13.53	
	07 22 16 00-0295	SF		9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied..... 16.84	16.84	
<b>07 22 16 00-0296</b>				<b>Cold Adhesive Applied, Tapered Perlite Board <small>(07 22 16 00-0223)</small></b>		
				Note: Includes polyurethane adhesive.		
<b>07 22 16 00-0297</b>				<b>Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board <small>(07 22 16 00-0296)</small></b>		
	07 22 16 00-0298	SF		2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied ..... 5.15	5.15	
	07 22 16 00-0299	SF		2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied ..... 6.19	6.19	
	07 22 16 00-0300	SF		3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied ..... 6.93	6.93	
	07 22 16 00-0301	SF		3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied ..... 7.44	7.44	
	07 22 16 00-0302	SF		4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied ..... 8.18	8.18	
	07 22 16 00-0303	SF		4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied ..... 9.21	9.21	
	07 22 16 00-0304	SF		5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied ..... 9.95	9.95	
	07 22 16 00-0305	SF		5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied ..... 10.46	10.46	
	07 22 16 00-0306	SF		6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied ..... 11.20	11.20	
	07 22 16 00-0307	SF		6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied ..... 12.24	12.24	
<b>07 22 16 00-0308</b>				<b>Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board <small>(07 22 16 00-0296)</small></b>		
	07 22 16 00-0309	SF		2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied ..... 4.78	4.78	
	07 22 16 00-0310	SF		3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied ..... 6.56	6.56	
	07 22 16 00-0311	SF		4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied ..... 7.81	7.81	
	07 22 16 00-0312	SF		5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied ..... 9.58	9.58	
	07 22 16 00-0313	SF		6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied ..... 10.83	10.83	
	07 22 16 00-0314	SF		7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied ..... 12.61	12.61	
<b>07 22 16 00-0315</b>				<b>Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board <small>(07 22 16 00-0296)</small></b>		
	07 22 16 00-0316	SF		3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied ..... 7.29	7.29	
	07 22 16 00-0317	SF		5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied ..... 10.31	10.31	
	07 22 16 00-0318	SF		7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied ..... 13.34	13.34	
	07 22 16 00-0319	SF		9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied ..... 16.37	16.37	
<b>07 22 16 00-0320</b>				<b>Hot-Mopped Rigid Board Tapered Roofing Insulation <small>(07 22 16 00-0222)</small></b>		
<b>07 22 16 00-0321</b>				<b>Hot-Mopped, Tapered Polyisocyanurate Board <small>(07 22 16 00-0320)</small></b>		
<b>07 22 16 00-0322</b>				<b>Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0321)</small></b>		
	07 22 16 00-0323	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 4.18	4.18	
				<i>For 25 PSI Compressive Strength, Add</i> 0.28		
	07 22 16 00-0324	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 5.78	5.78	
				<i>For 25 PSI Compressive Strength, Add</i> 0.30		
	07 22 16 00-0325	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 6.34	6.34	
				<i>For 25 PSI Compressive Strength, Add</i> 0.35		

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0326	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	6.64	
			<i>For 25 PSI Compressive Strength, Add</i>	0.41	
07 22 16 00-0327	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.46	
			<i>For 25 PSI Compressive Strength, Add</i>	0.47	
07 22 16 00-0328	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	8.93	
			<i>For 25 PSI Compressive Strength, Add</i>	0.49	
07 22 16 00-0329	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	9.49	
			<i>For 25 PSI Compressive Strength, Add</i>	0.55	
07 22 16 00-0330	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	10.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.60	
07 22 16 00-0331	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	10.61	
			<i>For 25 PSI Compressive Strength, Add</i>	0.66	
07 22 16 00-0332	SF		6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	12.06	
			<i>For 25 PSI Compressive Strength, Add</i>	0.68	
<b>07 22 16 00-0333</b>			<b>Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0321)</small>		
07 22 16 00-0334	SF		2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	4.04	
			<i>For 25 PSI Compressive Strength, Add</i>	0.25	
07 22 16 00-0335	SF		3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	6.06	
			<i>For 25 PSI Compressive Strength, Add</i>	0.33	
07 22 16 00-0336	SF		4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.18	
			<i>For 25 PSI Compressive Strength, Add</i>	0.44	
07 22 16 00-0337	SF		5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	9.21	
			<i>For 25 PSI Compressive Strength, Add</i>	0.52	
07 22 16 00-0338	SF		6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	10.33	
			<i>For 25 PSI Compressive Strength, Add</i>	0.63	
07 22 16 00-0339	SF		7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	12.34	
			<i>For 25 PSI Compressive Strength, Add</i>	0.71	
<b>07 22 16 00-0340</b>			<b>Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0321)</small>		
07 22 16 00-0341	SF		3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	6.62	
			<i>For 25 PSI Compressive Strength, Add</i>	0.38	
07 22 16 00-0342	SF		5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	9.77	
			<i>For 25 PSI Compressive Strength, Add</i>	0.57	
07 22 16 00-0343	SF		7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	12.90	
			<i>For 25 PSI Compressive Strength, Add</i>	0.76	
07 22 16 00-0344	SF		9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	16.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.95	
<b>07 22 16 00-0345</b>			<b>Hot-Mopped, Tapered Perlite Board</b> <small>(07 22 16 00-0320)</small>		
<b>07 22 16 00-0346</b>			<b>Hot-Mopped, 1/8" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0345)</small>		
07 22 16 00-0347	SF		2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	4.29	
07 22 16 00-0348	SF		2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	5.70	
07 22 16 00-0349	SF		3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	6.44	
07 22 16 00-0350	SF		3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	6.35	
07 22 16 00-0351	SF		4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	7.09	
07 22 16 00-0352	SF		4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	8.49	
07 22 16 00-0353	SF		5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	9.23	
07 22 16 00-0354	SF		5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	9.14	
07 22 16 00-0355	SF		6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	9.88	
07 22 16 00-0356	SF		6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	11.28	
<b>07 22 16 00-0357</b>			<b>Hot-Mopped, 1/4" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0345)</small>		
07 22 16 00-0358	SF		2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	3.92	
07 22 16 00-0359	SF		3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	6.07	
07 22 16 00-0360	SF		4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	6.72	
07 22 16 00-0361	SF		5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	8.86	
07 22 16 00-0362	SF		6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	9.51	
07 22 16 00-0363	SF		7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	11.65	
<b>07 22 16 00-0364</b>			<b>Hot-Mopped, 1/2" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0345)</small>		
07 22 16 00-0365	SF		3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	6.81	
07 22 16 00-0366	SF		5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	9.60	
07 22 16 00-0367	SF		7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	59.87	
07 22 16 00-0368	SF		9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	15.17	
<b>07 22 16 00-0369</b>			<b>Mechanically Fastened Tapered Roofing Insulation</b> <small>(07 22 16 00-0222)</small>		
			Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.		
<b>07 22 16 00-0370</b>			<b>Mechanically Fastened, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0369)</small>		
			Note: Mechanically fastened to wood or steel.		
<b>07 22 16 00-0371</b>			<b>Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0370)</small>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0372 SF 2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	4.27	
<i>For 25 PSI Compressive Strength, Add</i>	0.29	
<i>For Mechanically Fastened To Concrete, Add</i>	1.35	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.57	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0373 SF 3.25" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.42	
<i>For 25 PSI Compressive Strength, Add</i>	0.29	
<i>For Mechanically Fastened To Concrete, Add</i>	1.39	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.69	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.02	
07 22 16 00-0374 SF 3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.98	
<i>For 25 PSI Compressive Strength, Add</i>	0.34	
<i>For Mechanically Fastened To Concrete, Add</i>	1.39	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.69	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 22 16 00-0375 SF 3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.63	
<i>For 25 PSI Compressive Strength, Add</i>	0.41	
<i>For Mechanically Fastened To Concrete, Add</i>	1.42	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.81	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.10	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.23	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.16	
07 22 16 00-0376 SF 4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.19	
<i>For 25 PSI Compressive Strength, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, Add</i>	1.42	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.65	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.81	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.14	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.23	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.23	
07 22 16 00-0377 SF 4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	8.40	
<i>For 25 PSI Compressive Strength, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, Add</i>	1.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.24	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.44	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.11	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.38	
07 22 16 00-0378 SF 5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	8.96	
<i>For 25 PSI Compressive Strength, Add</i>	0.53	
<i>For Mechanically Fastened To Concrete, Add</i>	1.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.24	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.44	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.11	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.38	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0379	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	10.04
		<i>For 25 PSI Compressive Strength, Add</i>	0.64
		<i>For Mechanically Fastened To Concrete, Add</i>	1.50
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.62
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.40
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.27
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.94
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.61
07 22 16 00-0380	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	10.60
		<i>For 25 PSI Compressive Strength, Add</i>	0.69
		<i>For Mechanically Fastened To Concrete, Add</i>	1.50
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.62
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.40
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.27
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.94
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.61
07 22 16 00-0381	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	11.51
		<i>For 25 PSI Compressive Strength, Add</i>	0.67
		<i>For Mechanically Fastened To Concrete, Add</i>	1.50
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.33
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.44
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.63
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.00
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.67
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.95
07 22 16 00-0382		<b>Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board</b> <small>(0722 16 00-0370)</small>	
07 22 16 00-0383	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	3.99
		<i>For 25 PSI Compressive Strength, Add</i>	0.26
		<i>For Mechanically Fastened To Concrete, Add</i>	1.35
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.57
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87
07 22 16 00-0384	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.70
		<i>For 25 PSI Compressive Strength, Add</i>	0.32
		<i>For Mechanically Fastened To Concrete, Add</i>	1.39
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.69
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.02
07 22 16 00-0385	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.91
		<i>For 25 PSI Compressive Strength, Add</i>	0.44
		<i>For Mechanically Fastened To Concrete, Add</i>	1.42
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.81
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.10
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.23
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.16
07 22 16 00-0386	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	8.68
		<i>For 25 PSI Compressive Strength, Add</i>	0.50
		<i>For Mechanically Fastened To Concrete, Add</i>	1.46
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.96
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.24
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.44
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.11
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0387 SF 6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	10.32	
<i>For 25 PSI Compressive Strength, Add</i>	0.67	
<i>For Mechanically Fastened To Concrete, Add</i>	1.50	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.62	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.40	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.27	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.94	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.61	
07 22 16 00-0388 SF 7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	11.79	
<i>For 25 PSI Compressive Strength, Add</i>	0.70	
<i>For Mechanically Fastened To Concrete, Add</i>	1.50	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.33	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.44	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.63	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.00	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.67	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.95	
<b>07 22 16 00-0389 Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0370)</small>		
07 22 16 00-0390 SF 3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.26	
<i>For 25 PSI Compressive Strength, Add</i>	0.37	
<i>For Mechanically Fastened To Concrete, Add</i>	1.39	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.69	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 22 16 00-0391 SF 5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	9.02	
<i>For 25 PSI Compressive Strength, Add</i>	0.54	
<i>For Mechanically Fastened To Concrete, Add</i>	1.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.24	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.44	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.11	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.38	
07 22 16 00-0392 SF 7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	12.35	
<i>For 25 PSI Compressive Strength, Add</i>	0.76	
<i>For Mechanically Fastened To Concrete, Add</i>	1.50	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.33	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.44	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.63	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.00	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.67	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.95	
07 22 16 00-0393 SF 9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	15.61	
<i>For 25 PSI Compressive Strength, Add</i>	0.97	
<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.83	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.10	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.74	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.65	
<b>07 22 16 00-0394 Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS)</b> <small>(07 22 16 00-0369)</small>		
Note: Mechanically fastened to wood or steel.		
<b>07 22 16 00-0395 Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)</b> <small>(07 22 16 00-0394)</small>		
07 22 16 00-0396 SF 2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	3.64	
<i>For Mechanically Fastened To Concrete, Add</i>	1.35	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.57	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	

## 07 Thermal And Moisture Protection

## 07 20 Thermal Protection

## 07 22 Roof and Deck Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0397	SF		2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.80	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.39	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.69	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.02	
07 22 16 00-0398	SF		3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.22	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.39	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.69	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 22 16 00-0399	SF		3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.73	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.42	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.81	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.10	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.23	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.16	
07 22 16 00-0400	SF		4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.15	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.42	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.65	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.81	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.14	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.23	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.23	
07 22 16 00-0401	SF		4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.37	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.46	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.24	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.11	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.38	
07 22 16 00-0402	SF		5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.79	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.46	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.24	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.11	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.38	
07 22 16 00-0403	SF		5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	8.72	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.50	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.62	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.40	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.27	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.94	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.61	
07 22 16 00-0404	SF		6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	9.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.50	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.62	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.40	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.27	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.94	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0405 SF 6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.07	
<i>For Mechanically Fastened To Concrete, Add</i>	1.50	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.33	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.44	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.63	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.00	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.67	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.95	
<b>07 22 16 00-0406 Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)</b> <small>(07 22 16 00-0394)</small>		
07 22 16 00-0407 SF 2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	3.43	
<i>For Mechanically Fastened To Concrete, Add</i>	1.35	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.57	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0408 SF 3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.01	
<i>For Mechanically Fastened To Concrete, Add</i>	1.39	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.69	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.02	
07 22 16 00-0409 SF 4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.94	
<i>For Mechanically Fastened To Concrete, Add</i>	1.42	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.81	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.10	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.23	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.16	
07 22 16 00-0410 SF 5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.58	
<i>For Mechanically Fastened To Concrete, Add</i>	1.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.24	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.44	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.11	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.38	
07 22 16 00-0411 SF 6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	8.93	
<i>For Mechanically Fastened To Concrete, Add</i>	1.50	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.62	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.40	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.27	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.94	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.61	
07 22 16 00-0412 SF 7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.28	
<i>For Mechanically Fastened To Concrete, Add</i>	1.50	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.33	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.44	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.63	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.00	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.67	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.95	

**07 22 16 00-0413 Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)**  
(07 22 16 00-0394)

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0414	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.43
		<i>For Mechanically Fastened To Concrete, Add</i>	1.39
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.69
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07
07 22 16 00-0415	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	8.00
		<i>For Mechanically Fastened To Concrete, Add</i>	1.46
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.96
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.24
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.44
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.11
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.38
07 22 16 00-0416	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.70
		<i>For Mechanically Fastened To Concrete, Add</i>	1.50
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.33
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.44
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.63
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.00
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.67
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.95
07 22 16 00-0417	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	13.96
		<i>For Mechanically Fastened To Concrete, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.83
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.10
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.74
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.65
07 22 16 00-0418		<b>Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS)</b> (07 22 16 00-0369)	
		Note: Mechanically fastened to wood or steel.	
07 22 16 00-0419		<b>Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> (07 22 16 00-0418)	
07 22 16 00-0420	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	4.15
		<i>For Mechanically Fastened To Concrete, Add</i>	1.35
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.57
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87
07 22 16 00-0421	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	5.30
		<i>For Mechanically Fastened To Concrete, Add</i>	1.39
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.69
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.02
07 22 16 00-0422	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	7.07
		<i>For Mechanically Fastened To Concrete, Add</i>	1.39
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.69
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07
07 22 16 00-0423	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.45
		<i>For Mechanically Fastened To Concrete, Add</i>	1.42
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.81
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.10
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.23
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0424 SF 4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.98	
<i>For Mechanically Fastened To Concrete, Add</i>	1.42	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.65	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.81	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.14	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.23	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.23	
07 22 16 00-0425 SF 4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.20	
<i>For Mechanically Fastened To Concrete, Add</i>	1.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.24	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.44	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.11	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.38	
07 22 16 00-0426 SF 5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.73	
<i>For Mechanically Fastened To Concrete, Add</i>	1.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.24	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.44	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.11	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.38	
07 22 16 00-0427 SF 5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	9.78	
<i>For Mechanically Fastened To Concrete, Add</i>	1.50	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.62	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.40	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.27	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.94	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.61	
07 22 16 00-0428 SF 6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.31	
<i>For Mechanically Fastened To Concrete, Add</i>	1.50	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.62	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.40	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.27	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.94	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.61	
07 22 16 00-0429 SF 6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.23	
<i>For Mechanically Fastened To Concrete, Add</i>	1.50	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.33	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.44	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.63	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.00	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.67	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.95	
<b>07 22 16 00-0430 Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0418)</small>		
07 22 16 00-0431 SF 2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	3.88	
<i>For Mechanically Fastened To Concrete, Add</i>	1.35	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.57	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0432 SF 3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	5.56	
<i>For Mechanically Fastened To Concrete, Add</i>	1.39	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.69	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.02	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0433	SF		4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.72	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.42	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.81	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.10	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.23	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.16	
07 22 16 00-0434	SF		5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.46	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.46	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.24	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.11	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.38	
07 22 16 00-0435	SF		6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.04	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.50	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.62	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.40	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.27	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.94	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.61	
07 22 16 00-0436	SF		7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.49	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.50	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.33	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.44	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.00	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.67	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.95	
07 22 16 00-0437			<b>Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0418)</small>		
07 22 16 00-0438	SF		3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.10	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.39	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.69	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 22 16 00-0439	SF		5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.99	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.46	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.24	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.11	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.38	
07 22 16 00-0440	SF		7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	12.02	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.50	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.33	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.44	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.00	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.67	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.95	
07 22 16 00-0441	SF		9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	15.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.83	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.10	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.74	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.65	
07 22 16 00-0442			<b>Mechanically Fastened, Tapered Perlite Board</b> <small>(07 22 16 00-0369)</small> Note: Mechanically fastened to wood or steel.		
07 22 16 00-0443			<b>Mechanically Fastened, 1/8" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0442)</small>		





**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0453	SF 6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.73	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.50	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.33	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.44	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.63	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.00	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.67	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.95	
<b>07 22 16 00-0454</b>	<b>Mechanically Fastened, 1/4" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0442)</small>		
07 22 16 00-0455	SF 2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	3.88	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.35	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.57	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.70	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.91	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.55	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0456	SF 3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	5.71	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.39	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.01	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.69	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.02	
07 22 16 00-0457	SF 4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.45	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.42	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.81	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.91	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.10	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.23	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.16	
07 22 16 00-0458	SF 5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	8.33	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.46	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.96	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.24	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.44	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.11	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.38	
07 22 16 00-0459	SF 6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.50	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.50	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.62	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.40	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.27	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.94	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.61	
07 22 16 00-0460	SF 7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	11.10	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.50	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.33	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.44	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.63	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.00	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.67	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.95	
<b>07 22 16 00-0461</b>	<b>Mechanically Fastened, 1/2" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0442)</small>		
07 22 16 00-0462	SF 3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.45	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.39	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.69	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.04	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.69	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0463 SF 5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.07	
<i>For Mechanically Fastened To Concrete, Add</i>	1.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.24	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.44	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.11	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.38	
07 22 16 00-0464 SF 7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	11.84	
<i>For Mechanically Fastened To Concrete, Add</i>	1.50	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.33	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.44	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.63	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.00	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.67	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.95	
07 22 16 00-0465 SF 9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	14.74	
<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.83	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.10	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.63	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.74	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.65	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.95	

**07 22 16 00-0466**

**Demolish Rigid Board Roofing Insulation (07 22 16)**

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

07 22 16 00-0467 SF Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation .....	0.52
07 22 16 00-0468 SF Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation .....	0.54
07 22 16 00-0469 SF Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation .....	0.55
07 22 16 00-0470 SF Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation .....	0.57
07 22 16 00-0471 SF Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation .....	0.59
07 22 16 00-0472 SF Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation .....	0.60
07 22 16 00-0473 SF Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation .....	0.61
07 22 16 00-0474 SF Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation .....	0.63
07 22 16 00-0475 SF Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation .....	0.64
07 22 16 00-0476 SF Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation .....	0.66
07 22 16 00-0477 SF Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation .....	0.67
07 22 16 00-0478 SF Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation .....	0.69
07 22 16 00-0479 SF Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation .....	0.71

**07 24 Exterior Insulation and Finish Systems (07 20)**

**07 24 13 Polymer-Based Exterior Insulation and Finish System (07 24)**

**07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) (07 24 13)**

**07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)**

07 24 13 00-0003 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied .....	3.46
<i>For Up To 100, Add</i>	0.80
<i>For &gt;100 To 500, Add</i>	0.40
<i>For &gt;5,000, Deduct</i>	-0.16
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.30
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.94
07 24 13 00-0004 SF 1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	3.79
<i>For Up To 100, Add</i>	0.81
<i>For &gt;100 To 500, Add</i>	0.41
<i>For &gt;5,000, Deduct</i>	-0.16
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.33
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.96
07 24 13 00-0005 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied .....	4.11
<i>For Up To 100, Add</i>	0.82
<i>For &gt;100 To 500, Add</i>	0.41
<i>For &gt;5,000, Deduct</i>	-0.16
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.47
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.10
07 24 13 00-0006 SF 2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	4.42
<i>For Up To 100, Add</i>	0.83
<i>For &gt;100 To 500, Add</i>	0.42
<i>For &gt;5,000, Deduct</i>	-0.17
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.55
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.20

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 24 Exterior Insulation and Finish Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0007 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	4.74	
For Up To 100, Add	0.84	
For >100 To 500, Add	0.42	
For >5,000, Deduct	-0.17	
For Adhesive And Mechanically Fastened To Wood Or Steel, Add	1.55	
For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	2.20	
07 24 13 00-0008 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	5.36	
For Up To 100, Add	0.85	
For >100 To 500, Add	0.43	
For >5,000, Deduct	-0.17	
For Adhesive And Mechanically Fastened To Wood Or Steel, Add	1.75	
For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	2.36	
<b>07 24 13 00-0009 Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)</b>		
Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.		
07 24 13 00-0010 SF 4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat.....	5.05	
For Up To 100, Add	1.60	
For >100 To 500, Add	0.80	
For >5,000, Deduct	-0.32	
07 24 13 00-0011 SF 6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat.....	5.60	
For Up To 100, Add	1.60	
For >100 To 500, Add	0.80	
For >5,000, Deduct	-0.32	
07 24 13 00-0012 SF 15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat.....	7.07	
For Up To 100, Add	1.60	
For >100 To 500, Add	0.80	
For >5,000, Deduct	-0.32	
07 24 13 00-0013 SF 20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat.....	7.52	
For Up To 100, Add	1.60	
For >100 To 500, Add	0.80	
For >5,000, Deduct	-0.32	
<b>07 24 13 00-0014 Base Coats For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)</b>		
07 24 13 00-0015 SF Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM).....	2.46	
For Up To 100, Add	0.80	
For >100 To 500, Add	0.40	
For >5,000, Deduct	-0.16	
07 24 13 00-0016 SF Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®).....	2.86	
For Up To 100, Add	0.80	
For >100 To 500, Add	0.40	
For >5,000, Deduct	-0.16	
07 24 13 00-0017 SF Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	5.06	
For Up To 100, Add	0.80	
For >100 To 500, Add	0.40	
For >5,000, Deduct	-0.16	
07 24 13 00-0018 SF Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	6.80	
For Up To 100, Add	0.80	
For >100 To 500, Add	0.40	
For >5,000, Deduct	-0.16	
<b>07 24 13 00-0019 Finish Coats For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)</b>		
Note: Includes all standard manufacturers' colors.		
07 24 13 00-0020 SF 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	4.17	
For Up To 100, Add	1.60	
For >100 To 500, Add	0.80	
For >5,000, Deduct	-0.32	
07 24 13 00-0021 SF 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	4.26	
For Up To 100, Add	1.60	
For >100 To 500, Add	0.80	
For >5,000, Deduct	-0.32	
07 24 13 00-0022 SF Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	4.90	
For Up To 100, Add	1.60	
For >100 To 500, Add	0.80	
For >5,000, Deduct	-0.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0023 SF Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish) .....	5.47	
<i>For Up To 100, Add</i>	1.60	
<i>For &gt;100 To 500, Add</i>	0.80	
<i>For &gt;5,000, Deduct</i>	-0.32	
07 24 13 00-0024 SF Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	4.90	
<i>For Up To 100, Add</i>	1.60	
<i>For &gt;100 To 500, Add</i>	0.80	
<i>For &gt;5,000, Deduct</i>	-0.32	
07 24 13 00-0025 SF Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	5.47	
<i>For Up To 100, Add</i>	1.60	
<i>For &gt;100 To 500, Add</i>	0.80	
<i>For &gt;5,000, Deduct</i>	-0.32	
07 24 13 00-0026 SF Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth) .....	4.35	
<i>For Up To 100, Add</i>	1.60	
<i>For &gt;100 To 500, Add</i>	0.80	
<i>For &gt;5,000, Deduct</i>	-0.32	
07 24 13 00-0027 SF Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®).....	4.95	
<i>For Up To 100, Add</i>	1.60	
<i>For &gt;100 To 500, Add</i>	0.80	
<i>For &gt;5,000, Deduct</i>	-0.32	
07 24 13 00-0028 SF 100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™) .....	10.03	
<i>For Up To 100, Add</i>	1.60	
<i>For &gt;100 To 500, Add</i>	0.80	
<i>For &gt;5,000, Deduct</i>	-0.32	
<b>07 24 13 00-0029 Primer And Sealers For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)</b>		
07 24 13 00-0030 SF 100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®).....	1.25	
<i>For Up To 100, Add</i>	0.45	
<i>For &gt;100 To 500, Add</i>	0.22	
<i>For &gt;5,000, Deduct</i>	-0.09	
07 24 13 00-0031 SF 100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™).....	1.28	
<i>For Up To 100, Add</i>	0.45	
<i>For &gt;100 To 500, Add</i>	0.22	
<i>For &gt;5,000, Deduct</i>	-0.09	
<b>07 24 13 00-0032 Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)</b>		
07 24 13 00-0033 SF Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat .....	1.73	
<i>For Up To 100, Add</i>	0.45	
<i>For &gt;100 To 500, Add</i>	0.22	
<i>For &gt;5,000, Deduct</i>	-0.09	
07 24 13 00-0034 SF Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat .....	2.14	
<i>For Up To 100, Add</i>	0.45	
<i>For &gt;100 To 500, Add</i>	0.22	
<i>For &gt;5,000, Deduct</i>	-0.09	
<b>07 24 13 00-0035 Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)</b>		
07 24 13 00-0036 SF 1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat) .....	2.65	
<i>For Up To 100, Add</i>	0.50	
<i>For &gt;100 To 500, Add</i>	0.25	
<i>For &gt;5,000, Deduct</i>	-0.10	
<b>07 24 13 00-0037 Starter Tracks For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)</b>		
07 24 13 00-0038 LF 1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	3.88	
07 24 13 00-0039 LF 1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.19	
07 24 13 00-0040 LF 2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.55	
07 24 13 00-0041 LF 3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	5.29	
07 24 13 00-0042 LF 1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	4.19	
07 24 13 00-0043 LF 1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	4.55	
07 24 13 00-0044 LF 2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	4.90	
07 24 13 00-0045 LF 3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	5.73	
<b>07 24 13 00-0046 Demolish Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)</b>		

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 24 Exterior Insulation and Finish Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 24 13 00-0047	SF	Demolish Exterior Insulation Finishing Systems (EIFS).....	6.67	
		Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.		
		For Up To 100, Add	3.34	
		For >100 To 500, Add	1.67	
		For >5,000, Deduct	-0.67	

**07 25 Weather Barriers** (07)**07 26 Vapor Retarders** (07 25)**07 26 13 Above-Grade Vapor Retarders** (07 26)

07 26 13 00-0001	CSF	Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B).....	29.67	
07 26 13 00-0002	CSF	Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex).....	27.57	
07 26 13 00-0003	CSF	60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute).....	34.29	
07 26 13 00-0004	CSF	Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute).....	44.14	
07 26 13 00-0005	CSF	Regular Weight Red Rosin Sized Sheathing.....	24.95	
07 26 13 00-0006	CLF	6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper).....	85.54	
07 26 13 00-0007	CLF	4" Wide Self Adhering Butyl Sealing Tape.....	129.15	
07 26 13 00-0008	CLF	6" Wide Self Adhesive Butyl Sealing Tape.....	185.90	
07 26 13 00-0009	CLF	9" Wide Self Adhesive Butyl Sealing Tape.....	257.58	
07 26 13 00-0010	CSF	Building Wrap (Tyvek).....	80.39	

**07 27 Air Barriers** (07 25)**07 27 23 Board Product Air Barriers** (07 27)**07 27 23 00-0001 Barriers For Plenums** (07 27 23)

07 27 23 00-0002	SF	0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 LB/SF.....	12.30	3.27
		For Up To 50, Add	4.41	
		For >50 To 200, Add	2.51	
		For >200 To 500, Add	0.94	
		For >2,500, Deduct	-0.62	
07 27 23 00-0003	SF	0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 LB/SF.....	13.31	3.27
		For Up To 50, Add	4.81	
		For >50 To 200, Add	2.74	
		For >200 To 500, Add	1.02	
		For >2,500, Deduct	-0.67	
07 27 23 00-0004	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick.....	4.64	2.17
		For Up To 50, Add	2.28	
		For >50 To 200, Add	1.26	
		For >200 To 500, Add	0.43	
		For >2,500, Deduct	-0.23	
07 27 23 00-0005	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick.....	8.47	3.27
		For Up To 50, Add	4.08	
		For >50 To 200, Add	2.25	
		For >200 To 500, Add	0.78	
		For >2,500, Deduct	-0.42	
07 27 23 00-0006	SF	Aluminum Mesh Barrier For Plenum Kraft Paper Backed.....	6.42	2.17
		For Up To 50, Add	2.55	
		For >50 To 200, Add	1.43	
		For >200 To 500, Add	0.52	
		For >2,500, Deduct	-0.32	
07 27 23 00-0007	SF	1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF.....	9.49	2.17
		For Up To 50, Add	2.88	
		For >50 To 200, Add	1.68	
		For >200 To 500, Add	0.66	
		For >2,500, Deduct	-0.47	

**07 30 Steep Slope Roofing** (07)

Note: Includes starter strips and manufacturer's product specific warranties.

**07 31 Shingles and Shakes** (07 30)**07 31 13 Asphalt Shingles** (07 31)**07 31 13 13 Fiberglass-Reinforced Asphalt Shingles** (07 31 13)**07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle** (07 31 13 13)

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0002	SQ	200 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20).....	256.03	172.38
		For >35 To 75, Deduct	-9.93	
		For >75 To 100, Deduct	-15.83	
		For >100 To 200, Deduct	-23.72	
		For >200, Deduct	-35.53	
		For Steep Roof, Over 7 To 12, Add	50.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0003 SQ 220 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25) .....	268.52	181.04
<i>For &gt;35 To 75, Deduct</i>	-10.39	
<i>For &gt;75 To 100, Deduct</i>	-16.59	
<i>For &gt;100 To 200, Deduct</i>	-24.86	
<i>For &gt;200, Deduct</i>	-37.25	
<i>For Steep Roof, Over 7 To 12, Add</i>	52.67	
07 31 13 13-0004 SQ 230 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30) .....	309.79	190.06
<i>For &gt;35 To 75, Deduct</i>	-13.69	
<i>For &gt;75 To 100, Deduct</i>	-20.75	
<i>For &gt;100 To 200, Deduct</i>	-30.55	
<i>For &gt;200, Deduct</i>	-44.67	
<i>For Steep Roof, Over 7 To 12, Add</i>	55.31	
<b>07 31 13 13-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle</b> <small>(07 31 13 13)</small>		
<small>Note: Excludes underlayment, drip edges, and ridge vent/shingles.</small>		
07 31 13 13-0006 SQ 245 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark) .....	319.56	220.06
<i>For &gt;35 To 75, Deduct</i>	-11.95	
<i>For &gt;75 To 100, Deduct</i>	-19.34	
<i>For &gt;100 To 200, Deduct</i>	-29.13	
<i>For &gt;200, Deduct</i>	-43.91	
<i>For Steep Roof, Over 7 To 12, Add</i>	64.01	
07 31 13 13-0007 SQ 240 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate) .....	337.13	209.53
<i>For &gt;35 To 75, Deduct</i>	-14.66	
<i>For &gt;75 To 100, Deduct</i>	-22.36	
<i>For &gt;100 To 200, Deduct</i>	-32.98	
<i>For &gt;200, Deduct</i>	-48.37	
<i>For Steep Roof, Over 7 To 12, Add</i>	60.97	
07 31 13 13-0008 SQ 265 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus) .....	365.41	231.07
<i>For &gt;35 To 75, Deduct</i>	-15.53	
<i>For &gt;75 To 100, Deduct</i>	-23.89	
<i>For &gt;100 To 200, Deduct</i>	-35.36	
<i>For &gt;200, Deduct</i>	-52.07	
<i>For Steep Roof, Over 7 To 12, Add</i>	67.23	
07 31 13 13-0009 SQ 235 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras) .....	351.70	199.56
<i>For &gt;35 To 75, Deduct</i>	-17.03	
<i>For &gt;75 To 100, Deduct</i>	-24.97	
<i>For &gt;100 To 200, Deduct</i>	-36.32	
<i>For &gt;200, Deduct</i>	-52.20	
<i>For Steep Roof, Over 7 To 12, Add</i>	58.05	
07 31 13 13-0010 SQ 300 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium) .....	396.03	242.63
<i>For &gt;35 To 75, Deduct</i>	-17.55	
<i>For &gt;75 To 100, Deduct</i>	-26.57	
<i>For &gt;100 To 200, Deduct</i>	-39.11	
<i>For &gt;200, Deduct</i>	-57.15	
<i>For Steep Roof, Over 7 To 12, Add</i>	70.57	
07 31 13 13-0011 SQ 300 LB/SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence) .....	421.75	242.63
<i>For &gt;35 To 75, Deduct</i>	-20.12	
<i>For &gt;75 To 100, Deduct</i>	-29.66	
<i>For &gt;100 To 200, Deduct</i>	-43.22	
<i>For &gt;200, Deduct</i>	-62.30	
<i>For Steep Roof, Over 7 To 12, Add</i>	70.57	
07 31 13 13-0012 SQ 355 LB/SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake) .....	460.71	267.46
<i>For &gt;35 To 75, Deduct</i>	-21.75	
<i>For &gt;75 To 100, Deduct</i>	-32.18	
<i>For &gt;100 To 200, Deduct</i>	-46.96	
<i>For &gt;200, Deduct</i>	-67.82	
<i>For Steep Roof, Over 7 To 12, Add</i>	77.82	
07 31 13 13-0013 SQ 340 LB/SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL) .....	456.37	254.76
<i>For &gt;35 To 75, Deduct</i>	-22.48	
<i>For &gt;75 To 100, Deduct</i>	-32.77	
<i>For &gt;100 To 200, Deduct</i>	-47.55	
<i>For &gt;200, Deduct</i>	-68.12	
<i>For Steep Roof, Over 7 To 12, Add</i>	74.09	
07 31 13 13-0014 SQ 300 LB/SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris) .....	453.38	242.63
<i>For &gt;35 To 75, Deduct</i>	-23.29	
<i>For &gt;75 To 100, Deduct</i>	-33.46	
<i>For &gt;100 To 200, Deduct</i>	-48.28	
<i>For &gt;200, Deduct</i>	-68.62	
<i>For Steep Roof, Over 7 To 12, Add</i>	70.57	
07 31 13 13-0015 SQ 355 LB/SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate) .....	529.96	267.46
<i>For &gt;35 To 75, Deduct</i>	-28.68	
<i>For &gt;75 To 100, Deduct</i>	-40.49	
<i>For &gt;100 To 200, Deduct</i>	-58.04	
<i>For &gt;200, Deduct</i>	-81.67	
<i>For Steep Roof, Over 7 To 12, Add</i>	77.82	

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 31 Shingles and Shakes**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0016 SQ 355 LB/SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House).....	548.00	267.46
For >35 To 75, Deduct	-30.48	
For >75 To 100, Deduct	-42.66	
For >100 To 200, Deduct	-60.93	
For >200, Deduct	-85.28	
For Steep Roof, Over 7 To 12, Add	77.82	
07 31 13 13-0017 SQ 480 LB/SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL).....	608.69	294.93
For >35 To 75, Deduct	-34.06	
For >75 To 100, Deduct	-47.57	
For >100 To 200, Deduct	-67.90	
For >200, Deduct	-94.93	
For Steep Roof, Over 7 To 12, Add	85.80	
07 31 13 13-0018 SQ 425 LB/SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor).....	599.02	280.82
For >35 To 75, Deduct	-34.37	
For >75 To 100, Deduct	-47.63	
For >100 To 200, Deduct	-67.76	
For >200, Deduct	-94.27	
For Steep Roof, Over 7 To 12, Add	81.71	
<b>07 31 13 13-0019 Asphalt Shingle Accessories (07 31 13 13)</b>		
07 31 13 13-0020 LF Three Tab Hip And Ridge Shingles.....	3.60	2.56
07 31 13 13-0021 LF Architectural Hip And Ridge Shingles.....	4.34	2.85
07 31 13 13-0022 SQ Demolish Each Additional Layer Of Shingles.....	79.93	
<b>07 31 16 Metal Shingles (07 31)</b>		
<b>07 31 16 00-0001 Aluminum Shingles (07 31 16)</b>		
07 31 16 00-0002 SQ Aluminum Shingles, Mill Finish, 0.020" Thick.....	709.29	163.45
For Colors, Anodized Finish, Add	30.00	
For Bonderized Finish, Add	47.00	
For 1" Factory Applied Polystyrene, Add	37.00	
07 31 16 00-0003 SQ Aluminum Shingles, Mill Finish, 0.030" Thick.....	972.44	178.64
For Colors, Anodized Finish, Add	30.00	
For Bonderized Finish, Add	47.00	
For 1" Factory Applied Polystyrene, Add	37.00	
07 31 16 00-0004 LF Aluminum Shingles, Ridge Cap, 0.020" Thick.....	13.04	2.35
07 31 16 00-0005 LF Aluminum Shingles, Ridge Cap, 0.030" Thick.....	13.66	2.35
07 31 16 00-0006 LF Aluminum Shingles, Valley Section, 0.020" Thick.....	8.38	2.35
07 31 16 00-0007 LF Aluminum Shingles, Valley Section, 0.030" Thick.....	9.62	2.35
<b>07 31 16 00-0008 Galvanized Steel Shingles (07 31 16)</b>		
07 31 16 00-0009 SQ 24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles.....	515.05	147.07
For Factory Applied 1" Polystyrene Insulation, Add	24.75	
For >50 To 75, Deduct	-8.83	
For >75 To 100, Deduct	-22.82	
For >100 To 200, Deduct	-39.00	
For >200, Deduct	-52.99	
For Steep Roof, Over 7 To 12, Add	94.14	
07 31 16 00-0010 SQ 26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles.....	494.36	145.89
For Factory Applied 1" Polystyrene Insulation, Add	24.75	
For >50 To 75, Deduct	-8.11	
For >75 To 100, Deduct	-21.48	
For >100 To 200, Deduct	-36.88	
For >200, Deduct	-50.25	
For Steep Roof, Over 7 To 12, Add	93.34	
07 31 16 00-0011 SQ 24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles.....	837.07	147.07
For Factory Applied 1" Polystyrene Insulation, Add	24.75	
For >50 To 75, Deduct	-21.72	
For >75 To 100, Deduct	-45.36	
For >100 To 200, Deduct	-74.43	
For >200, Deduct	-98.07	
For Steep Roof, Over 7 To 12, Add	94.14	
07 31 16 00-0012 SQ 26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles.....	767.63	145.89
For Factory Applied 1" Polystyrene Insulation, Add	24.75	
For >50 To 75, Deduct	-19.04	
For >75 To 100, Deduct	-40.61	
For >100 To 200, Deduct	-66.94	
For >200, Deduct	-88.51	
For Steep Roof, Over 7 To 12, Add	93.34	
07 31 16 00-0013 LF Galvanized Steel Shingles, Ridge Or Valley.....	8.50	1.96
For Factory Applied 1" Polystyrene Insulation, Add	24.75	
For >50 To 75, Deduct	-0.19	
For >75 To 100, Deduct	-0.42	
For >100 To 200, Deduct	-0.70	
For >200, Deduct	-0.94	
For Steep Roof, Over 7 To 12, Add	1.23	

**07 31 26 Slate Shingles (07 31)**





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Note: Includes 30 LB felt and fasteners.

<b>07 31 26 00-0001 Shingles Including 30 LB Felt And Nails</b> <small>(07 31 26)</small>					
07 31 26 00-0002	SQ		Slate Shingles, Buckingham, Virginia Black, 3/16" Thick.....	1,217.83	250.88
			<i>For &gt;50 To 75, Deduct</i>	-26.41	
			<i>For &gt;75 To 100, Deduct</i>	-60.16	
			<i>For &gt;100 To 200, Deduct</i>	-100.51	
			<i>For &gt;200, Deduct</i>	-134.26	
			<i>For Graduated Shapes, Add</i>	99.05	
			<i>For Steep Roof, Over 7 To 12, Add</i>	178.39	
07 31 26 00-0003	SQ		Slate Shingles, Buckingham, Virginia Black, 1/4" Thick.....	1,399.05	250.88
			<i>For &gt;50 To 75, Deduct</i>	-33.66	
			<i>For &gt;75 To 100, Deduct</i>	-72.85	
			<i>For &gt;100 To 200, Deduct</i>	-120.45	
			<i>For &gt;200, Deduct</i>	-159.63	
			<i>For Graduated Shapes, Add</i>	126.24	
			<i>For Steep Roof, Over 7 To 12, Add</i>	178.39	
07 31 26 00-0004	SQ		Slate Shingles, Penn Black Bangor .....	1,344.69	250.88
			<i>For &gt;50 To 75, Deduct</i>	-31.49	
			<i>For &gt;75 To 100, Deduct</i>	-69.04	
			<i>For &gt;100 To 200, Deduct</i>	-114.47	
			<i>For &gt;200, Deduct</i>	-152.02	
			<i>For Graduated Shapes, Add</i>	118.08	
			<i>For Steep Roof, Over 7 To 12, Add</i>	178.39	
07 31 26 00-0005	SQ		Slate Shingles, Vermont, Unfading Colors, Green.....	1,362.81	250.88
			<i>For &gt;50 To 75, Deduct</i>	-32.21	
			<i>For &gt;75 To 100, Deduct</i>	-70.31	
			<i>For &gt;100 To 200, Deduct</i>	-116.46	
			<i>For &gt;200, Deduct</i>	-154.56	
			<i>For Graduated Shapes, Add</i>	120.80	
			<i>For Steep Roof, Over 7 To 12, Add</i>	178.39	
07 31 26 00-0006	SQ		Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray .....	1,435.29	250.88
			<i>For &gt;50 To 75, Deduct</i>	-35.11	
			<i>For &gt;75 To 100, Deduct</i>	-75.38	
			<i>For &gt;100 To 200, Deduct</i>	-124.43	
			<i>For &gt;200, Deduct</i>	-164.71	
			<i>For Graduated Shapes, Add</i>	131.67	
			<i>For Steep Roof, Over 7 To 12, Add</i>	178.39	
07 31 26 00-0007	SQ		Slate Shingles, Vermont, Unfading Color, Purple .....	1,344.69	250.88
			<i>For &gt;50 To 75, Deduct</i>	-31.49	
			<i>For &gt;75 To 100, Deduct</i>	-69.04	
			<i>For &gt;100 To 200, Deduct</i>	-114.47	
			<i>For &gt;200, Deduct</i>	-152.02	
			<i>For Graduated Shapes, Add</i>	118.08	
			<i>For Steep Roof, Over 7 To 12, Add</i>	178.39	
07 31 26 00-0008	SQ		Slate Shingles, Vermont, Unfading Color, Black Or Gray .....	1,290.32	250.88
			<i>For &gt;50 To 75, Deduct</i>	-29.31	
			<i>For &gt;75 To 100, Deduct</i>	-65.24	
			<i>For &gt;100 To 200, Deduct</i>	-108.49	
			<i>For &gt;200, Deduct</i>	-144.41	
			<i>For Graduated Shapes, Add</i>	109.93	
			<i>For Steep Roof, Over 7 To 12, Add</i>	178.39	
07 31 26 00-0009	SQ		Slate Shingles, Vermont, Unfading Color, Red .....	2,422.68	250.88
			<i>For &gt;50 To 75, Deduct</i>	-74.61	
			<i>For &gt;75 To 100, Deduct</i>	-144.50	
			<i>For &gt;100 To 200, Deduct</i>	-233.05	
			<i>For &gt;200, Deduct</i>	-302.94	
			<i>For Graduated Shapes, Add</i>	279.78	
			<i>For Steep Roof, Over 7 To 12, Add</i>	178.39	
07 31 26 00-0010	SQ		Slate Shingles, Vermont, Unfading Color, Variegated Purple .....	1,344.69	250.88
			<i>For &gt;50 To 75, Deduct</i>	-31.49	
			<i>For &gt;75 To 100, Deduct</i>	-69.04	
			<i>For &gt;100 To 200, Deduct</i>	-114.47	
			<i>For &gt;200, Deduct</i>	-152.02	
			<i>For Graduated Shapes, Add</i>	118.08	
			<i>For Steep Roof, Over 7 To 12, Add</i>	178.39	

**07 31 29 Wood Shingles and Shakes** (07 31)

**07 31 29 13 Wood Shingles** (07 31 29)

<b>07 31 29 13-0001 #1 Grade, Red Cedar Shingles</b> <small>(07 31 29 13)</small>					
<b>07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs</b> <small>(07 31 29 13-0001)</small>					
07 31 29 13-0003	SQ		3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	879.75	217.85
			<i>For Steep Roof, Over 7 To 12, Add</i>	139.43	
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	66.61	
07 31 29 13-0004	SQ		5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	637.60	163.39
			<i>For Steep Roof, Over 7 To 12, Add</i>	104.57	
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	46.62	
07 31 29 13-0005	SQ		4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	781.07	185.18
			<i>For Steep Roof, Over 7 To 12, Add</i>	118.51	
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	61.61	
07 31 29 13-0006	SQ		5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	639.72	152.50
			<i>For Steep Roof, Over 7 To 12, Add</i>	97.60	
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	50.21	

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 31 Shingles and Shakes**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0007 SQ 5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	848.17	144.33
For Steep Roof, Over 7 To 12, Add	92.37	
For Pressure-Impregnated Treated (Preservative), Add	83.93	
07 31 29 13-0008 SQ 7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	656.33	122.54
For Steep Roof, Over 7 To 12, Add	78.43	
For Pressure-Impregnated Treated (Preservative), Add	61.69	
<b>07 31 29 13-0009 #1 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0001)</b>		
07 31 29 13-0010 SQ 7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall .....	614.16	196.07
For Pressure-Impregnated Treated (Preservative), Add	33.30	
07 31 29 13-0011 SQ 8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall .....	601.20	185.18
For Pressure-Impregnated Treated (Preservative), Add	34.63	
07 31 29 13-0012 SQ 10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall .....	615.08	160.67
For Pressure-Impregnated Treated (Preservative), Add	44.06	
<b>07 31 29 13-0013 #2 Grade, Red Cedar Shingles (07 31 29 13)</b>		
<b>07 31 29 13-0014 #2 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0013)</b>		
07 31 29 13-0015 SQ 3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	816.13	228.75
For Steep Roof, Over 7 To 12, Add	146.40	
For Pressure-Impregnated Treated (Preservative), Add	53.80	
07 31 29 13-0016 SQ 4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	727.73	206.96
For Steep Roof, Over 7 To 12, Add	132.45	
For Pressure-Impregnated Treated (Preservative), Add	47.07	
07 31 29 13-0017 SQ 4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	776.69	206.96
For Steep Roof, Over 7 To 12, Add	132.45	
For Pressure-Impregnated Treated (Preservative), Add	54.42	
07 31 29 13-0018 SQ 4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	693.06	185.18
For Steep Roof, Over 7 To 12, Add	118.51	
For Pressure-Impregnated Treated (Preservative), Add	48.41	
07 31 29 13-0019 SQ 5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	679.01	144.33
For Steep Roof, Over 7 To 12, Add	92.37	
For Pressure-Impregnated Treated (Preservative), Add	58.55	
07 31 29 13-0020 SQ 6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	554.58	125.27
For Steep Roof, Over 7 To 12, Add	80.17	
For Pressure-Impregnated Treated (Preservative), Add	45.61	
<b>07 31 29 13-0021 #2 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0013)</b>		
07 31 29 13-0022 SQ 6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall .....	593.24	206.96
For Pressure-Impregnated Treated (Preservative), Add	26.90	
07 31 29 13-0023 SQ 7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall .....	573.52	196.07
For Pressure-Impregnated Treated (Preservative), Add	27.21	
07 31 29 13-0024 SQ 9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall .....	553.50	174.29
For Pressure-Impregnated Treated (Preservative), Add	30.74	
<b>07 31 29 16 Wood Shakes (07 31 29)</b>		
<b>07 31 29 16-0001 #1 Grade, Red Cedar Shakes (07 31 29 16)</b>		
<b>07 31 29 16-0002 #1 Grade, Red Cedar Shakes Installed On Roofs (07 31 29 16-0001)</b>		
07 31 29 16-0003 SQ 8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	640.93	177.00
For Steep Roof, Over 7 To 12, Add	113.28	
For Pressure-Impregnated Treated (Preservative), Add	43.04	
07 31 29 16-0004 SQ 8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	736.56	177.00
For Steep Roof, Over 7 To 12, Add	113.28	
For Pressure-Impregnated Treated (Preservative), Add	57.38	
07 31 29 16-0005 SQ 10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	683.16	144.33
For Steep Roof, Over 7 To 12, Add	92.37	
For Pressure-Impregnated Treated (Preservative), Add	59.18	
07 31 29 16-0006 SQ 10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	723.80	144.33
For Steep Roof, Over 7 To 12, Add	92.37	
For Pressure-Impregnated Treated (Preservative), Add	65.27	
<b>07 31 29 16-0007 #1 Grade, Red Cedar Shakes Installed On Walls (07 31 29 16-0001)</b>		
07 31 29 16-0008 SQ 8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall .....	668.17	190.62
For Pressure-Impregnated Treated (Preservative), Add	43.04	
07 31 29 16-0009 SQ 8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall .....	763.80	190.62
For Pressure-Impregnated Treated (Preservative), Add	57.38	
07 31 29 16-0010 SQ 10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall .....	721.29	163.39
For Pressure-Impregnated Treated (Preservative), Add	59.18	
07 31 29 16-0011 SQ 10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall .....	761.93	163.39
For Pressure-Impregnated Treated (Preservative), Add	65.27	
<b>07 31 29 19 Wood Shingles And Shakes Cap (07 31 29)</b>		
<b>07 31 29 19-0001 Accessories (07 31 29 19)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 31 29 19-0002 LF Hip Or Ridge Cap For Wood Shingles Or Shakes .....	10.87	1.42
<i>For Steep Roof, Over 7 To 12, Add</i>	1.06	
<i>For Pressure-Impregnated Treated (Preservative) Ridge, Add</i>	1.14	

**07 31 33 Composite Rubber Shingles** (07 31)

**07 31 33 00-0001 Synthetic Polymeric Rubber Slate Shingles** (07 31 33)

<i>Note: As manufactured by EcoStar.</i>		
07 31 33 00-0002 SQ Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure .....	1,221.39	219.03
<i>Note: Gray or black.</i>		
<i>For Purple Or Green Color, Add</i>	125.34	
<i>For Brown Or Red Color, Add</i>	321.18	
<i>For Steep Roof, Over 7 To 12, Add</i>	140.17	
<i>For &gt;50 To 75, Deduct</i>	-19.58	
<i>For &gt;75 To 100, Deduct</i>	-50.12	
<i>For &gt;100 To 200, Deduct</i>	-80.65	
<i>For &gt;200, Deduct</i>	-122.14	
<i>For 6.5" Exposure, Add</i>	85.16	
<i>For 6.0" Exposure, Add</i>	170.31	
07 31 33 00-0003 SQ Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure .....	1,743.63	219.03
<i>Note: Fire resistant. Gray or black.</i>		
<i>For Purple, Green, Brown Or Red, Add</i>	195.84	
<i>For Steep Roof, Over 7 To 12, Add</i>	140.17	
<i>For &gt;50 To 75, Deduct</i>	-32.64	
<i>For &gt;75 To 100, Deduct</i>	-76.23	
<i>For &gt;100 To 200, Deduct</i>	-119.82	
<i>For &gt;200, Deduct</i>	-174.36	
<i>For 6.5" Exposure, Add</i>	122.46	
<i>For 6.0" Exposure, Add</i>	244.92	
07 31 33 00-0004 SQ Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure .....	1,436.43	219.03
<i>Note: Beaver tail, chisel point or beveled edges. Gray or black.</i>		
<i>For Purple, Green, Brown Or Red, Add</i>	359.43	
<i>For Steep Roof, Over 7 To 12, Add</i>	140.17	
<i>For &gt;50 To 75, Deduct</i>	-24.96	
<i>For &gt;75 To 100, Deduct</i>	-60.87	
<i>For &gt;100 To 200, Deduct</i>	-96.78	
<i>For &gt;200, Deduct</i>	-143.64	
<i>For 6.5" Exposure, Add</i>	100.52	
<i>For 6.0" Exposure, Add</i>	201.03	
07 31 33 00-0005 SQ Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure .....	1,851.15	219.03
<i>Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.</i>		
<i>For Purple, Green, Brown Or Red, Add</i>	155.44	
<i>For Steep Roof, Over 7 To 12, Add</i>	140.17	
<i>For &gt;50 To 75, Deduct</i>	-35.33	
<i>For &gt;75 To 100, Deduct</i>	-81.61	
<i>For &gt;100 To 200, Deduct</i>	-127.89	
<i>For &gt;200, Deduct</i>	-185.12	
<i>For 6.5" Exposure, Add</i>	130.14	
<i>For 6.0" Exposure, Add</i>	260.28	
07 31 33 00-0006 LF Hip Or Ridge Polymeric Rubber Slate Shingle.....	9.94	1.47
<i>Note: Beveled or pointed edges, gray or black.</i>		

**07 32 Roof Tiles** (07 30)

**07 32 13 Clay Roof Tiles** (07 32)

*Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.*

**07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure** (07 32 13)

*Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.*

07 32 13 00-0002 SQ Lanai Or Classic Tile, 158 Piece Per SQ .....	1,264.47	237.93
<i>For &gt;25 To 50, Deduct</i>	-47.31	
<i>For &gt;50 To 75, Deduct</i>	-90.75	
<i>For &gt;75 To 100, Deduct</i>	-126.31	
<i>For &gt;100 To 200, Deduct</i>	-153.98	
<i>For &gt;200, Deduct</i>	-173.76	
<i>For 20 Year Warranty, Add</i>	55.20	
07 32 13 00-0003 SQ Americana (Most Colors) Tile Roofing, 158 Piece Per SQ.....	1,518.62	237.93
<i>For &gt;25 To 50, Deduct</i>	-62.56	
<i>For &gt;50 To 75, Deduct</i>	-116.17	
<i>For &gt;75 To 100, Deduct</i>	-159.35	
<i>For &gt;100 To 200, Deduct</i>	-192.10	
<i>For &gt;200, Deduct</i>	-214.42	
<i>For 20 Year Warranty, Add</i>	72.99	
07 32 13 00-0004 SQ Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ .....	1,518.62	237.93
<i>For &gt;25 To 50, Deduct</i>	-62.56	
<i>For &gt;50 To 75, Deduct</i>	-116.17	
<i>For &gt;75 To 100, Deduct</i>	-159.35	
<i>For &gt;100 To 200, Deduct</i>	-192.10	
<i>For &gt;200, Deduct</i>	-214.42	
<i>For 20 Year Warranty, Add</i>	72.99	

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 32 Roof Tiles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0005 SQ Americana (Blue) Tile, 158 Piece Per SQ.....	1,734.26	237.93
For >25 To 50, Deduct	-75.50	
For >50 To 75, Deduct	-137.73	
For >75 To 100, Deduct	-187.38	
For >100 To 200, Deduct	-224.45	
For >200, Deduct	-248.93	
For 20 Year Warranty, Add	88.08	
07 32 13 00-0006 SQ French Tile Roofing, Red, 133 Piece Per SQ .....	1,507.01	290.91
For >25 To 50, Deduct	-55.51	
For >50 To 75, Deduct	-107.07	
For >75 To 100, Deduct	-149.37	
For >100 To 200, Deduct	-182.42	
For >200, Deduct	-206.21	
For 20 Year Warranty, Add	64.76	
07 32 13 00-0007 SQ French Tile Roofing, Blue Or Green, 133 Piece Per SQ .....	1,886.36	290.91
For >25 To 50, Deduct	-78.27	
For >50 To 75, Deduct	-145.00	
For >75 To 100, Deduct	-198.68	
For >100 To 200, Deduct	-239.32	
For >200, Deduct	-266.91	
For 20 Year Warranty, Add	91.32	
07 32 13 00-0008 SQ Norman Tile Roofing, 317 Piece Per SQ .....	2,404.99	392.46
For >25 To 50, Deduct	-97.22	
For >50 To 75, Deduct	-181.65	
For >75 To 100, Deduct	-249.87	
For >100 To 200, Deduct	-301.90	
For >200, Deduct	-337.72	
For 20 Year Warranty, Add	113.42	
07 32 13 00-0009 SQ Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ.....	1,317.21	290.91
For >25 To 50, Deduct	-44.12	
For >50 To 75, Deduct	-88.09	
For >75 To 100, Deduct	-124.69	
For >100 To 200, Deduct	-153.95	
For >200, Deduct	-175.85	
For 20 Year Warranty, Add	51.48	
07 32 13 00-0010 SQ Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ .....	1,624.51	290.91
For >25 To 50, Deduct	-62.56	
For >50 To 75, Deduct	-118.82	
For >75 To 100, Deduct	-164.64	
For >100 To 200, Deduct	-200.04	
For >200, Deduct	-225.01	
For 20 Year Warranty, Add	72.99	
07 32 13 00-0011 SQ Spanish Tile Roofing, Red, 171 Piece Per SQ.....	1,131.81	217.82
For >25 To 50, Deduct	-41.77	
For >50 To 75, Deduct	-80.51	
For >75 To 100, Deduct	-112.28	
For >100 To 200, Deduct	-137.10	
For >200, Deduct	-154.95	
For 20 Year Warranty, Add	48.73	
07 32 13 00-0012 SQ Spanish Tile Roofing, Blend, 171 Piece Per SQ .....	1,462.98	217.82
For >25 To 50, Deduct	-61.64	
For >50 To 75, Deduct	-113.62	
For >75 To 100, Deduct	-155.33	
For >100 To 200, Deduct	-186.77	
For >200, Deduct	-207.94	
For 20 Year Warranty, Add	71.91	
07 32 13 00-0013 SQ Spanish Tile Roofing, Glazed White, 171 Piece Per SQ.....	1,747.93	217.82
For >25 To 50, Deduct	-78.74	
For >50 To 75, Deduct	-142.12	
For >75 To 100, Deduct	-192.38	
For >100 To 200, Deduct	-229.51	
For >200, Deduct	-253.53	
For 20 Year Warranty, Add	91.86	
07 32 13 00-0014 SQ Two Piece Mission Tile Roofing, 192 Piece Per SQ .....	2,110.65	341.44
For >25 To 50, Deduct	-85.67	
For >50 To 75, Deduct	-159.85	
For >75 To 100, Deduct	-219.75	
For >100 To 200, Deduct	-265.38	
For >200, Deduct	-296.73	
For 20 Year Warranty, Add	99.94	
07 32 13 00-0015 SQ One Piece Mission Tile Roofing, 75 Piece Per SQ .....	933.31	237.93
For >25 To 50, Deduct	-27.44	
For >50 To 75, Deduct	-57.64	
For >75 To 100, Deduct	-83.26	
For >100 To 200, Deduct	-104.30	
For >200, Deduct	-120.77	
For 20 Year Warranty, Add	32.02	
07 32 13 00-0016 SQ One Piece Mission Tile Roofing, 134 Piece Per SQ .....	1,244.24	341.44
For >25 To 50, Deduct	-33.68	
For >50 To 75, Deduct	-73.21	
For >75 To 100, Deduct	-107.12	
For >100 To 200, Deduct	-135.42	
For >200, Deduct	-158.11	
For 20 Year Warranty, Add	39.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0017 SQ MCA BABY "S" Tiles 9" x 13" 199 Piece Per SQ .....	3,253.44	341.44
<i>For &gt;25 To 50, Deduct</i>	-152.64	
<i>For &gt;50 To 75, Deduct</i>	-272.14	
<i>For &gt;75 To 100, Deduct</i>	-366.20	
<i>For &gt;100 To 200, Deduct</i>	-434.81	
<i>For &gt;200, Deduct</i>	-477.99	
<i>For 20 Year Warranty, Add</i>	178.08	
07 32 13 00-0018 SQ MCA BABY "S" Tiles 10 3/4" X 13 1/2" 170 Piece Per SQ .....	2,902.67	341.44
<i>For &gt;25 To 50, Deduct</i>	-131.60	
<i>For &gt;50 To 75, Deduct</i>	-237.06	
<i>For &gt;75 To 100, Deduct</i>	-320.60	
<i>For &gt;100 To 200, Deduct</i>	-382.20	
<i>For &gt;200, Deduct</i>	-421.87	
<i>For 20 Year Warranty, Add</i>	153.53	
07 32 13 00-0019 SQ MCA BABY "S" Tiles 11 1/2" X 14" 139 Piece Per SQ .....	2,512.11	341.44
<i>For &gt;25 To 50, Deduct</i>	-108.16	
<i>For &gt;50 To 75, Deduct</i>	-198.01	
<i>For &gt;75 To 100, Deduct</i>	-269.82	
<i>For &gt;100 To 200, Deduct</i>	-323.61	
<i>For &gt;200, Deduct</i>	-359.38	
<i>For 20 Year Warranty, Add</i>	126.19	

**07 32 16 Concrete Roof Tiles (07 32)**

**07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood (07 32 16)**

Note: Includes 30 lb felt underlayment.

07 32 16 00-0002 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Earhtone Colors, Corrugated .....	962.56	360.67
<i>For &gt;50 To 75, Deduct</i>	-9.64	
<i>For &gt;75 To 100, Deduct</i>	-34.91	
<i>For &gt;100 To 200, Deduct</i>	-62.60	
<i>For &gt;200, Deduct</i>	-87.86	
<i>For Steep Roof, Over 7 To 12, Add</i>	230.86	
07 32 16 00-0003 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Blues, Corrugated .....	1,201.46	360.67
<i>For &gt;50 To 75, Deduct</i>	-19.20	
<i>For &gt;75 To 100, Deduct</i>	-51.64	
<i>For &gt;100 To 200, Deduct</i>	-88.87	
<i>For &gt;200, Deduct</i>	-121.31	
<i>For Steep Roof, Over 7 To 12, Add</i>	230.86	
07 32 16 00-0004 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Greens Corrugated .....	1,010.34	360.67
<i>For &gt;50 To 75, Deduct</i>	-11.56	
<i>For &gt;75 To 100, Deduct</i>	-38.26	
<i>For &gt;100 To 200, Deduct</i>	-67.85	
<i>For &gt;200, Deduct</i>	-94.55	
<i>For Steep Roof, Over 7 To 12, Add</i>	230.86	
07 32 16 00-0005 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Colors, Shakes .....	946.34	322.70
<i>For &gt;50 To 75, Deduct</i>	-12.03	
<i>For &gt;75 To 100, Deduct</i>	-37.20	
<i>For &gt;100 To 200, Deduct</i>	-65.37	
<i>For &gt;200, Deduct</i>	-90.53	
<i>For Steep Roof, Over 7 To 12, Add</i>	206.56	

**07 32 16 00-0006 Accessories (07 32 16)**

07 32 16 00-0007 EA Ridge And Hip, 10" X 16-1/2", 8 LB Each For Concrete Tile Roof .....	4.03	
07 32 16 00-0008 EA Rake, 6-1/2" X 16-3/4", 9 LB Each For Concrete Tile Roof .....	2.65	
07 32 16 00-0009 EA Mansard Hip, 10" X 16-1/2", 9.2 LB Each For Concrete Tile Roof .....	4.01	
07 32 16 00-0010 EA Hip Starter, 10" X 16-1/2", 10.5 LB Each For Concrete Tile Roof .....	4.59	
07 32 16 00-0011 EA 3 Or 4 Way Apex, 10" Each Side, 11.5 LB Each For Concrete Tile Roof .....	4.78	

**07 34 Roofing Underlayment (07 30)**

**07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment (07 34)**

Note: Standard slope.

07 34 00 00-0002 SQ 15 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened .....	33.55	7.06
<i>For Steep Roof, Over 7 To 12, Add</i>	4.52	
<i>For &gt;50 To 75, Deduct</i>	-0.78	
<i>For &gt;75 To 100, Deduct</i>	-1.71	
<i>For &gt;100 To 200, Deduct</i>	-2.84	
<i>For &gt;200, Deduct</i>	-4.13	
07 34 00 00-0003 SQ 30 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened .....	51.89	9.71
<i>For Steep Roof, Over 7 To 12, Add</i>	6.21	
<i>For &gt;50 To 75, Deduct</i>	-1.30	
<i>For &gt;75 To 100, Deduct</i>	-2.76	
<i>For &gt;100 To 200, Deduct</i>	-4.54	
<i>For &gt;200, Deduct</i>	-6.49	
07 34 00 00-0004 SQ 30 LB, Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened .....	58.00	9.71
<i>For Steep Roof, Over 7 To 12, Add</i>	6.21	
<i>For &gt;50 To 75, Deduct</i>	-1.54	
<i>For &gt;75 To 100, Deduct</i>	-3.19	
<i>For &gt;100 To 200, Deduct</i>	-5.22	
<i>For &gt;200, Deduct</i>	-7.34	

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 34 Roofing Underlayment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0005	SQ		Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt) .....	64.09	14.71
			<i>For Steep Roof, Over 7 To 12, Add</i>	9.41	
			<i>For &gt;50 To 75, Deduct</i>	-1.39	
			<i>For &gt;75 To 100, Deduct</i>	-3.16	
			<i>For &gt;100 To 200, Deduct</i>	-5.29	
			<i>For &gt;200, Deduct</i>	-7.80	
07 34 00 00-0006	SQ		17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25).....	71.33	14.71
			<i>For Steep Roof, Over 7 To 12, Add</i>	9.41	
			<i>For &gt;50 To 75, Deduct</i>	-1.68	
			<i>For &gt;75 To 100, Deduct</i>	-3.67	
			<i>For &gt;100 To 200, Deduct</i>	-6.08	
			<i>For &gt;200, Deduct</i>	-8.81	
07 34 00 00-0007	SQ		25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30).....	83.27	14.71
			<i>For Steep Roof, Over 7 To 12, Add</i>	9.41	
			<i>For &gt;50 To 75, Deduct</i>	-2.15	
			<i>For &gt;75 To 100, Deduct</i>	-4.51	
			<i>For &gt;100 To 200, Deduct</i>	-7.40	
			<i>For &gt;200, Deduct</i>	-10.48	
07 34 00 00-0008	SQ		30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50).....	77.30	14.71
			<i>For Steep Roof, Over 7 To 12, Add</i>	9.41	
			<i>For &gt;50 To 75, Deduct</i>	-1.92	
			<i>For &gt;75 To 100, Deduct</i>	-4.09	
			<i>For &gt;100 To 200, Deduct</i>	-6.74	
			<i>For &gt;200, Deduct</i>	-9.65	
<b>07 34 00 00-0009</b>			<b>Self-Adhering, Roofing Underlayment</b> <small>(07 34)</small>		
			Note: Standard slope.		
07 34 00 00-0010	SQ		48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat).....	134.71	17.84
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.41	
			<i>For &gt;50 To 75, Deduct</i>	-3.96	
			<i>For &gt;75 To 100, Deduct</i>	-7.83	
			<i>For &gt;100 To 200, Deduct</i>	-12.68	
			<i>For &gt;200, Deduct</i>	-17.43	
07 34 00 00-0011	SQ		60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®).....	203.90	17.84
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.41	
			<i>For &gt;50 To 75, Deduct</i>	-6.73	
			<i>For &gt;75 To 100, Deduct</i>	-12.67	
			<i>For &gt;100 To 200, Deduct</i>	-20.29	
			<i>For &gt;200, Deduct</i>	-27.12	
07 34 00 00-0012	SQ		53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G) .....	143.27	17.84
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.41	
			<i>For &gt;50 To 75, Deduct</i>	-4.30	
			<i>For &gt;75 To 100, Deduct</i>	-8.42	
			<i>For &gt;100 To 200, Deduct</i>	-13.62	
			<i>For &gt;200, Deduct</i>	-18.63	
07 34 00 00-0013	SQ		65 Mil, Fire Rated, Polyester Non Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal).....	134.71	17.84
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.41	
			<i>For &gt;50 To 75, Deduct</i>	-3.96	
			<i>For &gt;75 To 100, Deduct</i>	-7.83	
			<i>For &gt;100 To 200, Deduct</i>	-12.68	
			<i>For &gt;200, Deduct</i>	-17.43	
07 34 00 00-0014	SQ		45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30) .....	193.92	17.84
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.41	
			<i>For &gt;50 To 75, Deduct</i>	-6.33	
			<i>For &gt;75 To 100, Deduct</i>	-11.97	
			<i>For &gt;100 To 200, Deduct</i>	-19.19	
			<i>For &gt;200, Deduct</i>	-25.72	
07 34 00 00-0015	SQ		25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select).....	162.65	17.84
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.41	
			<i>For &gt;50 To 75, Deduct</i>	-5.08	
			<i>For &gt;75 To 100, Deduct</i>	-9.78	
			<i>For &gt;100 To 200, Deduct</i>	-15.75	
			<i>For &gt;200, Deduct</i>	-21.34	
07 34 00 00-0016	SQ		40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®) .....	243.22	17.84
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.41	
			<i>For &gt;50 To 75, Deduct</i>	-8.30	
			<i>For &gt;75 To 100, Deduct</i>	-15.42	
			<i>For &gt;100 To 200, Deduct</i>	-24.61	
			<i>For &gt;200, Deduct</i>	-32.62	



<b>Thermal And Moisture Protection</b>	<b>07</b>
<b>Steep Slope Roofing</b>	<b>07 30</b>
<b>Roofing Underlayment</b>	<b>07 34</b>

07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0017 SQ 40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT) .....	278.50	17.84
For Steep Roof, Over 7 To 12, Add	11.41	
For >50 To 75, Deduct	-9.71	
For >75 To 100, Deduct	-17.89	
For >100 To 200, Deduct	-28.50	
For >200, Deduct	-37.56	
07 34 00 00-0018 SQ 30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra) .....	410.90	17.84
For Steep Roof, Over 7 To 12, Add	11.41	
For >50 To 75, Deduct	-15.01	
For >75 To 100, Deduct	-27.16	
For >100 To 200, Deduct	-43.06	
For >200, Deduct	-56.10	

## 07 40 Roofing and Siding Panels <sup>(07)</sup>

### 07 41 Roof Panels <sup>(07 40)</sup>

Note: Includes standard fasteners, grommets, cleats for installation.

#### 07 41 13 Metal Roof Panels <sup>(07 41)</sup>

##### 07 41 13 00-0001 Exposed Fastener Metal Roofing <sup>(07 41 13)</sup>

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

##### 07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing <sup>(07 41 13 00-0001)</sup>

##### 07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels <sup>(07 41 13 00-0002)</sup>

07 41 13 00-0004 SF 18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	8.87	3.02
For Fluoropolymer (Kynar®) Coating, Add	1.31	
For Steep Roof, Over 7 To 12, Add	1.55	
07 41 13 00-0005 SF 20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	8.16	3.02
For Fluoropolymer (Kynar®) Coating, Add	1.31	
For Steep Roof, Over 7 To 12, Add	1.55	
07 41 13 00-0006 SF 22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	7.66	3.02
For Fluoropolymer (Kynar®) Coating, Add	1.31	
For Steep Roof, Over 7 To 12, Add	1.55	
07 41 13 00-0007 SF 24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	7.17	3.02
For Fluoropolymer (Kynar®) Coating, Add	1.31	
For Steep Roof, Over 7 To 12, Add	1.55	
07 41 13 00-0008 SF 26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	6.76	3.02
For Fluoropolymer (Kynar®) Coating, Add	1.31	
For Steep Roof, Over 7 To 12, Add	1.55	
07 41 13 00-0009 SF 29 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	6.41	3.02
For Fluoropolymer (Kynar®) Coating, Add	1.31	
For Steep Roof, Over 7 To 12, Add	1.55	
07 41 13 00-0010 SF 30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	6.27	3.02
For Fluoropolymer (Kynar®) Coating, Add	1.31	
For Steep Roof, Over 7 To 12, Add	1.55	

##### 07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories <sup>(07 41 13 00-0002)</sup>

See CSI section 07 41 13 00-0038 for accessories.

07 41 13 00-0012 LF Ridge Flashing For Galvanized Steel Exposed Fastener Roofing .....	25.61	3.14
For Steep Roof, Over 7 To 12, Add	4.06	
For Fluoropolymer (Kynar®) Coating, Add	1.29	
07 41 13 00-0013 LF 9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Exposed Fastener Roofing .....	16.12	2.06
For Steep Roof, Over 7 To 12, Add	2.71	
For Fluoropolymer (Kynar®) Coating, Add	0.77	
07 41 13 00-0014 LF Valley Flashing For Galvanized Steel Exposed Fastener Roofing.....	30.69	3.14
For Steep Roof, Over 7 To 12, Add	4.06	
For Fluoropolymer (Kynar®) Coating, Add	1.80	
07 41 13 00-0015 LF Hip Flashing For Galvanized Steel Exposed Fastener Roofing .....	26.08	3.14
For Steep Roof, Over 7 To 12, Add	4.06	
For Fluoropolymer (Kynar®) Coating, Add	1.34	

##### 07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing <sup>(07 41 13 00-0001)</sup>

##### 07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels <sup>(07 41 13 00-0016)</sup>

07 41 13 00-0018 SF 0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels .....	5.68	3.02
For Fluoropolymer (Kynar®) Coating, Add	1.31	
For Steep Roof, Over 7 To 12, Add	1.55	
07 41 13 00-0019 SF 0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels .....	5.82	3.02
For Fluoropolymer (Kynar®) Coating, Add	1.31	
For Steep Roof, Over 7 To 12, Add	1.55	
07 41 13 00-0020 SF 0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels .....	6.14	3.02
For Fluoropolymer (Kynar®) Coating, Add	1.31	
For Steep Roof, Over 7 To 12, Add	1.55	
07 41 13 00-0021 SF 0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels .....	6.57	3.02
For Fluoropolymer (Kynar®) Coating, Add	1.31	
For Steep Roof, Over 7 To 12, Add	1.55	

**07 Thermal And Moisture Protection****07 40 Roofing and Siding Panels****07 41 Roof Panels**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0022	SF		0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels .....	7.01	3.02
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.31	
			<i>For Steep Roof, Over 7 To 12, Add</i>	1.55	
07 41 13 00-0023	SF		0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels .....	7.55	3.02
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.31	
			<i>For Steep Roof, Over 7 To 12, Add</i>	1.55	
<b>07 41 13 00-0024</b>			<b>Aluminum Exposed Fastener Metal Roof Accessories</b> <small>(07 41 13 00-0016)</small>		
07 41 13 00-0025	LF		Ridge Flashing For Aluminum Exposed Fastener Metal Roofing.....	28.73	3.14
			<i>For Steep Roof, Over 7 To 12, Add</i>	4.06	
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.60	
07 41 13 00-0026	LF		9" To 12" Girth, Eave Or Gable Flashing For Aluminum Exposed Fastener Metal Roofing.....	17.92	2.18
			<i>For Steep Roof, Over 7 To 12, Add</i>	2.71	
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.95	
07 41 13 00-0027	LF		Valley Flashing For Aluminum Exposed Fastener Metal Roofing .....	35.07	3.14
			<i>For Steep Roof, Over 7 To 12, Add</i>	4.06	
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	2.24	
07 41 13 00-0028	LF		Hip Flashing For Aluminum Exposed Fastener Metal Roofing.....	29.31	3.14
			<i>For Steep Roof, Over 7 To 12, Add</i>	4.06	
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.66	
<b>07 41 13 00-0029</b>			<b>Standing Seam Roofs</b> <small>(07 41 13)</small>		
			Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealer, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
<b>07 41 13 00-0030</b>			<b>Galvanized Steel Standing Seam Concealed Fastener Roofing</b> <small>(07 41 13 00-0029)</small>		
			Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
<b>07 41 13 00-0031</b>			<b>Galvanized Steel Standing Seam Concealed Fastener Roofing</b> <small>(07 41 13 00-0030)</small>		
07 41 13 00-0032	SF		Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing .....	12.30	3.21
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.92	
			<i>For 140 MPH Wind Load, Add</i>	0.76	
			<i>For Panels &lt;16" Wide, Add</i>	1.80	
			<i>For Up To 1,500, Add</i>	3.08	
			<i>For &gt;1,500 To 5,000, Add</i>	1.85	
			<i>For &gt;5,000 To 10,000, Add</i>	0.31	
07 41 13 00-0033	SF		Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing .....	12.85	3.21
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.92	
			<i>For 140 MPH Wind Load, Add</i>	0.77	
			<i>For Panels &lt;16" Wide, Add</i>	1.83	
			<i>For Up To 1,500, Add</i>	3.21	
			<i>For &gt;1,500 To 5,000, Add</i>	1.93	
			<i>For &gt;5,000 To 10,000, Add</i>	0.32	
07 41 13 00-0034	SF		Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	11.81	3.21
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.92	
			<i>For 140 MPH Wind Load, Add</i>	0.75	
			<i>For Panels &lt;16" Wide, Add</i>	1.78	
			<i>For Up To 1,500, Add</i>	2.95	
			<i>For &gt;1,500 To 5,000, Add</i>	1.77	
			<i>For &gt;5,000 To 10,000, Add</i>	0.30	
07 41 13 00-0035	SF		Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	12.00	3.21
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.92	
			<i>For 140 MPH Wind Load, Add</i>	0.75	
			<i>For Panels &lt;16" Wide, Add</i>	1.79	
			<i>For Up To 1,500, Add</i>	3.00	
			<i>For &gt;1,500 To 5,000, Add</i>	1.80	
			<i>For &gt;5,000 To 10,000, Add</i>	0.30	
07 41 13 00-0036	SF		Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	12.23	3.21
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.92	
			<i>For 140 MPH Wind Load, Add</i>	0.76	
			<i>For Panels &lt;16" Wide, Add</i>	1.80	
			<i>For Up To 1,500, Add</i>	3.06	
			<i>For &gt;1,500 To 5,000, Add</i>	1.83	
			<i>For &gt;5,000 To 10,000, Add</i>	0.31	
07 41 13 00-0037	SF		Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	13.03	3.21
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.92	
			<i>For 140 MPH Wind Load, Add</i>	0.77	
			<i>For Panels &lt;16" Wide, Add</i>	1.84	
			<i>For Up To 1,500, Add</i>	3.26	
			<i>For &gt;1,500 To 5,000, Add</i>	1.95	
			<i>For &gt;5,000 To 10,000, Add</i>	0.33	
<b>07 41 13 00-0038</b>			<b>Accessories For Galvanized Steel Standing Seam Roofing</b> <small>(07 41 13 00-0030)</small>		
07 41 13 00-0039	LF		Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing.....	26.91	3.14
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.81	
			<i>For 140 MPH Wind Load, Add</i>	1.55	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0040 LF 9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	16.89 2.54 1.01	2.18
07 41 13 00-0041 LF Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	32.49 3.81 1.67	3.14
07 41 13 00-0042 LF Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	27.41 3.81 1.56	3.14
<b>07 41 13 00-0043 Aluminum Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0029) Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
<b>07 41 13 00-0044 Aluminum Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0043)		
07 41 13 00-0045 SF Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	12.69 1.92 0.77 1.82 3.17 1.90 0.32	3.21
07 41 13 00-0046 SF Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	13.16 1.92 0.78 1.84 3.29 1.97 0.33	3.21
07 41 13 00-0047 SF Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	12.42 1.92 0.76 1.81 3.11 1.86 0.31	3.21
07 41 13 00-0048 SF Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	13.29 1.92 0.78 1.85 3.32 1.99 0.33	3.21
<b>07 41 13 00-0049 Accessories For Aluminum Standing Seam Roofing</b> (07 41 13 00-0043)		
07 41 13 00-0050 LF Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	30.33 3.81 1.62	3.14
07 41 13 00-0051 LF 9" To 12" Girth, Eave Or Gable Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	18.86 2.54 1.05	2.18
07 41 13 00-0052 LF Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	37.31 3.81 1.76	3.14
07 41 13 00-0053 LF Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	30.97 3.81 1.63	3.14
<b>07 41 13 00-0054 Stainless Steel Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0029)		
<b>07 41 13 00-0055 Stainless Steel Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0054)		
07 41 13 00-0056 SF Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	23.16 2.88 1.23 2.94 5.79 3.47 0.58	3.84
07 41 13 00-0057 SF Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	26.04 2.88 1.29 3.08 6.51 3.91 0.65	3.84
07 41 13 00-0058 SF Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	29.46 2.88 1.36 3.25 7.37 4.42 0.74	3.84

**07 Thermal And Moisture Protection****07 40 Roofing and Siding Panels****07 41 Roof Panels**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0059	SF		Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing.....	33.84	3.84
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.88	
			<i>For 140 MPH Wind Load, Add</i>	1.45	
			<i>For Panels &lt;16" Wide, Add</i>	3.47	
			<i>For Up To 1,500, Add</i>	8.46	
			<i>For &gt;1,500 To 5,000, Add</i>	5.08	
			<i>For &gt;5,000 To 10,000, Add</i>	0.85	
07 41 13 00-0060			<b>Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0054)		
07 41 13 00-0061	LF		Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing .....	66.94	3.51
			<i>For Steep Roof, Over 6 To 12, Add</i>	4.21	
			<i>For 140 MPH Wind Load, Add</i>	2.46	
07 41 13 00-0062	LF		9" To 12" Girth, Eave Or Gable Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing .....	36.59	2.30
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.79	
			<i>For 140 MPH Wind Load, Add</i>	1.48	
07 41 13 00-0063	LF		Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing.....	91.05	3.51
			<i>For Steep Roof, Over 6 To 12, Add</i>	4.17	
			<i>For 140 MPH Wind Load, Add</i>	2.93	
07 41 13 00-0064	LF		Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing .....	68.86	3.51
			<i>For Steep Roof, Over 6 To 12, Add</i>	4.21	
			<i>For 140 MPH Wind Load, Add</i>	2.50	
07 41 13 00-0065			<b>Metal Roof Surfacing</b> (07 41 13)		
07 41 13 00-0066	SF		Acrylic, Metal Roof Primer, One Coat .....	0.44	
			<i>For Steep Roof, Over 7 To 12, Add</i>	0.06	
07 41 13 00-0067	SF		Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat .....	0.67	
			Note: 55% solids by volume.		
			<i>For Steep Roof, Over 7 To 12, Add</i>	0.06	
07 41 16			<b>Insulated Metal Roof Panels</b> (07 41)		
07 41 16 00-0001			<b>Standing Seam Polyurethane Insulated Metal Roof Panels</b> (07 41 16)		
07 41 16 00-0002			<b>Standing Seam Polyurethane Insulated Metal Roof Panel</b> (07 41 16 00-0001)		
			Note: Exterior face gauge shall be 24 gauge, galvanized steel; Interior liner shall be 24 gauge. Galvalume® AZ-55 coating designation with texture; Non-CFC polyurethane foam core.		
07 41 16 00-0003	SF		2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels .....	24.61	4.09
07 41 16 00-0004	SF		2-1/2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels .....	27.10	4.42
07 41 16 00-0005	SF		3" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels .....	28.79	4.80
07 41 16 00-0006	SF		4" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels .....	30.14	5.08
07 41 16 00-0007	SF		5" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels .....	31.58	5.35
07 41 16 00-0008	SF		6" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels .....	32.77	5.63
07 41 33			<b>Plastic Roof Panels</b> (07 41)		
07 41 33 00-0001			<b>Polyvinyl Chloride (PVC) Roofing Panels</b> (07 41 33)		
07 41 33 00-0002			<b>Polyvinyl Chloride (PVC) Roofing Panels</b> (07 41 33 00-0001)		
07 41 33 00-0003	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide .....	5.50	1.96
07 41 33 00-0004	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide .....	5.23	1.77
07 41 33 00-0005	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide .....	5.67	1.96
07 41 33 00-0006	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide .....	5.37	1.77
07 41 33 00-0007			<b>Polyvinyl Chloride (PVC) Roofing Accessories</b> (07 41 33 00-0001)		
07 41 33 00-0008	LF		1" "J" Channel, Starter Strip Trim .....	3.43	1.47
07 41 33 00-0009	LF		3-1/2" "J" Channel, Starter Strip Trim .....	4.76	1.47
07 41 33 00-0010	LF		Outside Corner Post, 7/8" Pocket .....	5.15	1.47
07 41 33 00-0011	LF		Inside Corner Post, 7/8" Pocket .....	4.11	1.47
07 41 33 00-0012			<b>Fiberglass Roofing Panel</b> (07 41 33)		
07 41 33 00-0013			<b>Corrugated Panels</b> (07 41 33 00-0012)		
07 41 33 00-0014	SF		8 Ounce Corrugated Fiberglass Panel .....	5.93	1.57
07 41 33 00-0015	SF		12 Ounce Corrugated Fiberglass Panel .....	6.83	1.57
07 42			<b>Wall Panels</b> (07 40)		
07 42 13			<b>Metal Wall Panels</b> (07 42)		
07 42 13 19			<b>Insulated Metal Wall Panels</b> (07 42 13)		
07 42 13 19-0001			<b>Insulated Panels For Sash/Window Replacement</b> (07 42 13 19)		
			Note: Porcelain or polymer finish on aluminum panel with polystyrene core.		
07 42 13 19-0002	SF		1" Insulated Panel For Sash Or Window Replacement .....	21.41	4.36
			<i>For Non-Insulated Panels, Deduct</i>	-3.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 13 19-0003 SF 1-1/4" Insulated Panel For Sash Or Window Replacement ..... <i>For Non-Insulated Panels, Deduct</i>	23.21 -3.37	4.90
07 42 13 19-0004 SF 1-3/4" Insulated Panel For Sash Or Window Replacement ..... <i>For Non-Insulated Panels, Deduct</i>	24.83 -3.59	5.45
07 42 13 19-0005 SF 2-1/4" Insulated Panel For Sash Or Window Replacement ..... <i>For Non-Insulated Panels, Deduct</i>	26.58 -3.81	5.67
07 42 13 19-0006 SF 3-1/4" Insulated Panel For Sash Or Window Replacement ..... <i>For Non-Insulated Panels, Deduct</i>	30.08 -4.43	6.21
07 42 13 19-0007 SF 4-1/4" Insulated Panel For Sash Or Window Replacement ..... <i>For Non-Insulated Panels, Deduct</i>	34.86 -5.31	6.87
 <b>07 42 13 23 Metal Composite Material Wall Panels (07 42 13)</b>		
<b>07 42 13 23-0001 24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels (07 42 13 23)</b>		
Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Mett-Span Corporation.		
07 42 13 23-0002 SF 2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels ..... <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	22.49 0.24 0.12	2.78
07 42 13 23-0003 SF 2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels ..... <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	25.28 0.24 0.12	3.14
07 42 13 23-0004 SF 3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels ..... <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	27.64 0.24 0.12	3.57
07 42 13 23-0005 SF 4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels ..... <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	30.89 0.24 0.12	4.72
 <b>07 42 63 Fabricated Wall Panel Assemblies (07 42)</b>		
<b>07 42 63 00-0001 Insulated Freezer And Chiller Panels (07 42 63)</b>		
Note: Excludes suspension system for ceiling support.		
<b>07 42 63 00-0002 Polyurethane Sandwich Panel (07 42 63 00-0001)</b>		
Note: With 22 gauge galvanized sheet metal face excludes painting.		
07 42 63 00-0003 SF 2" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	23.98	1.66
07 42 63 00-0004 SF 3" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	25.45	1.66
07 42 63 00-0005 SF 4" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	30.47	1.66
07 42 63 00-0006 SF 5" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	33.03	1.76
07 42 63 00-0007 SF 6" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	35.12	1.76
07 42 63 00-0008 SF 2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) .....	21.53	1.37
07 42 63 00-0009 SF 3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) .....	23.51	1.37
07 42 63 00-0010 SF 4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) .....	28.50	1.46
07 42 63 00-0011 SF 5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) .....	27.59	1.46
07 42 63 00-0012 SF 6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) .....	32.60	1.46
 <b>07 42 63 00-0013 Polyurethane Sandwich Panel (07 42 63 00-0001)</b>		
Note: With .040 aluminum baked enamel finish.		
07 42 63 00-0014 SF 2" Freezer Panel 0.040" Aluminum Finish Both Faces .....	10.38	1.66
07 42 63 00-0015 SF 3" Freezer Panel 0.040" Aluminum Finish Both Faces .....	11.02	1.66
07 42 63 00-0016 SF 4" Freezer Panel 0.040" Aluminum Finish Both Faces .....	12.72	1.66
07 42 63 00-0017 SF 5" Freezer Panel 0.040" Aluminum Finish Both Faces .....	13.79	1.76
07 42 63 00-0018 SF 6" Freezer Panel 0.040" Aluminum Finish Both Faces .....	14.55	1.76
07 42 63 00-0019 SF 2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	9.26	1.37
07 42 63 00-0020 SF 3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	9.91	1.37
07 42 63 00-0021 SF 4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	10.61	1.46
07 42 63 00-0022 SF 5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	12.31	1.46
07 42 63 00-0023 SF 6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	13.36	1.46
 <b>07 42 93 Soffit Panels (07 42)</b>		
<b>07 42 93 00-0001 Aluminum Soffit And Fascia (07 42 93)</b>		
Note: Excludes J-channel.		
07 42 93 00-0002 LF 6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit ..... <i>For 0.015" Thick, Deduct</i>	4.46 -0.10	1.52
07 42 93 00-0003 LF 10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit ..... <i>For 0.015" Thick, Deduct</i>	5.54 -0.17	1.61
07 42 93 00-0004 LF 1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit ..... <i>For 0.015" Thick, Deduct</i>	6.09 -0.20	1.65
07 42 93 00-0005 LF 1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit ..... <i>For 0.015" Thick, Deduct</i>	7.65 -0.29	1.74
07 42 93 00-0006 LF 2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit ..... <i>For 0.015" Thick, Deduct</i>	9.40 -0.39	1.90

**07 Thermal And Moisture Protection****07 40 Roofing and Siding Panels****07 42 Wall Panels**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 93 00-0007	LF		3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	12.57	2.09
			<i>For 0.015" Thick, Deduct</i>	-0.61	
07 42 93 00-0008	LF		4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	15.78	2.31
			<i>For 0.015" Thick, Deduct</i>	-0.80	
07 42 93 00-0009	LF		5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	19.04	2.53
			<i>For 0.015" Thick, Deduct</i>	-1.02	
07 42 93 00-0010	LF		4" Exposure, 0.024" Thick, Aluminum Fascia .....	5.27	1.49
07 42 93 00-0011	LF		6" Exposure, 0.024" Thick, Aluminum Fascia .....	5.78	1.52
07 42 93 00-0012	LF		8" Exposure, 0.024" Thick, Aluminum Fascia .....	6.81	1.57
07 42 93 00-0013	LF		10" Exposure, 0.024" Thick, Aluminum Fascia .....	7.90	1.61

**07 46 Siding (07 40)****07 46 16 Aluminum Siding (07 46)**

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

**07 46 16 00-0001 Aluminum Coil Stock Cladding (07 46 16)**

Note: Per SF of board, includes overlappage.

07 46 16 00-0002	SF		0.016" Thick, Aluminum Clad Siding .....	12.11	4.44
07 46 16 00-0003	SF		0.019" Thick, Aluminum Clad Siding .....	12.21	4.44
07 46 16 00-0004	SF		0.024" Thick, Aluminum Clad Siding .....	12.38	4.44

**07 46 16 00-0005 Aluminum Siding Panels (07 46 16)****07 46 16 00-0006 Corrugated Aluminum Siding Panels (07 46 16 00-0005)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0007	SF		0.019", Painted Finish, Corrugated Aluminum Siding Panel .....	7.64	2.42
07 46 16 00-0008	SF		0.021", Painted Finish, Corrugated Aluminum Siding Panel .....	7.88	2.42
07 46 16 00-0009	SF		0.024", Painted Finish, Corrugated Aluminum Siding Panel .....	8.64	2.42
07 46 16 00-0010	SF		0.032", Painted Finish, Corrugated Aluminum Siding Panel .....	10.12	2.42

**07 46 16 00-0011 V- Beam Aluminum Siding Panels (07 46 16 00-0005)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0012	SF		0.032", Painted Finish, V- Beam Aluminum Siding Panel .....	10.06	2.42
07 46 16 00-0013	SF		0.040", Painted Finish, V- Beam Aluminum Siding Panel .....	11.05	2.42
07 46 16 00-0014	SF		0.050", Painted Finish, V- Beam Aluminum Siding Panel .....	13.40	2.42

**07 46 16 00-0015 Box Ribbed Aluminum Siding Panels (07 46 16 00-0005)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0016	SF		0.032", Painted Finish, Box Ribbed Aluminum Siding Panel .....	10.49	2.42
07 46 16 00-0017	SF		0.040", Painted Finish, Box Ribbed Aluminum Siding Panel .....	11.45	2.42
07 46 16 00-0018	SF		0.050", Painted Finish, Box Ribbed Aluminum Siding Panel .....	12.04	2.42

**07 46 16 00-0019 Aluminum Siding Accessories (07 46 16)**

07 46 16 00-0020	LF		3/8" Pocket, Aluminum J-Channel .....	3.44	1.42
07 46 16 00-0021	LF		1/2" Pocket, Aluminum J-Channel .....	3.44	1.42
07 46 16 00-0022	LF		3/4" Pocket, Aluminum J-Channel .....	4.08	1.42
07 46 16 00-0023	LF		3/8" Pocket, Aluminum F-Channel .....	3.79	1.42
07 46 16 00-0024	LF		1/2" Pocket, Aluminum F-Channel .....	3.79	1.42

**07 46 19 Steel Siding (07 46)**

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

**07 46 19 00-0001 Steel Siding Panels (07 46 19)****07 46 19 00-0002 Corrugated Steel Siding Panels (07 46 19 00-0001)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0003	SF		20 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	12.14	2.42
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.83	
07 46 19 00-0004	SF		22 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	11.20	2.42
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.59	
07 46 19 00-0005	SF		24 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	10.96	2.42
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.53	
07 46 19 00-0006	SF		26 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	8.20	2.42
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.84	
07 46 19 00-0007	SF		28 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	8.00	2.42
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.79	
07 46 19 00-0008	SF		30 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	7.87	2.42
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.76	

**07 46 19 00-0009 Box Ribbed Steel Siding Panels (07 46 19 00-0001)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0010	SF		20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel .....	11.43	2.42
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.65	
07 46 19 00-0011	SF		22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel .....	11.01	2.42
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 19 00-0012 SF 24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel..... <i>For Galvanized Instead Of Painted Steel, Add</i>	10.73 1.47	2.42
07 46 19 00-0013 SF 26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel..... <i>For Galvanized Instead Of Painted Steel, Add</i>	10.26 1.36	2.42
07 46 19 00-0014 SF 28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel..... <i>For Galvanized Instead Of Painted Steel, Add</i>	9.25 1.10	2.42
<b>07 46 19 00-0015 Clapboard Steel Siding Panels</b> (07 46 19 00-0001) Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0016 SF 29 Gauge, Painted Finish, Clapboard Steel Siding Panel.....	9.53	1.21
<b>07 46 23 Wood Siding</b> (07 46) Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
<b>07 46 23 00-0001 Wood Lap Siding</b> (07 46 23)		
07 46 23 00-0002 LF 8" Wide Rough Sawn Cedar Lap Siding .....	4.11	1.49
07 46 23 00-0003 LF 10" Wide Rough Sawn Cedar Lap Siding .....	4.71	1.59
07 46 23 00-0004 LF 12" Wide Rough Sawn Cedar Lap Siding .....	5.35	1.69
07 46 23 00-0005 LF 6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade .....	4.44	1.49
07 46 23 00-0006 LF 6" To 8" Wide Spruce Lap Siding, #2 Or Better .....	5.01	1.49
07 46 23 00-0007 LF 6" To 8" Wide Western Red Cedar, B Grade Lap Siding .....	6.23	1.49
07 46 23 00-0008 LF 6" To 8" Wide Western Red Cedar, A Grade Lap Siding .....	6.71	1.49
07 46 23 00-0009 LF 6" To 8" Wide Clear Heart Redwood Lap Siding.....	6.03	1.49
07 46 23 00-0010 LF 1" x 8" Cedar Round Or Flat Front Siding, Log Cabin.....	4.50	1.59
07 46 23 00-0011 LF 1" x 8" Cedar Beveled Siding, Channel, Rustic.....	4.50	1.59
<b>07 46 23 00-0012 Tongue And Groove Siding</b> (07 46 23)		
07 46 23 00-0013 SF 1" x 6" Tongue And Groove Southern Yellow Pine Siding.....	4.12	1.49
07 46 23 00-0014 SF 1" x 8" Tongue And Groove Southern Yellow Pine Siding .....	4.62	1.49
07 46 23 00-0015 SF 1" x 6" 105 Southern Yellow Pine Siding .....	4.24	1.49
07 46 23 00-0016 SF 1" x 8" 105 Southern Yellow Pine Siding .....	4.92	1.49
<b>07 46 29 Plywood Siding</b> (07 46) Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
<b>07 46 29 00-0001 T-111 Siding</b> (07 46 29)		
07 46 29 00-0002 SF 5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud..... <i>For Pressure Treated, Add</i>	3.58 0.18	0.77
<b>07 46 33 Plastic Siding</b> (07 46) Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
<b>07 46 33 00-0001 Vinyl Siding</b> (07 46 33) Note: Includes standard manufacturer's colors.		
<b>07 46 33 00-0002 Vinyl Siding Panels</b> (07 46 33 00-0001) Note: Excludes J-channels, starter strips and trim.		
<b>07 46 33 00-0003 Horizontal Vinyl Siding Panels</b> (07 46 33 00-0002) Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004 SF 7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel..... <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	4.86 -0.15 -0.07 0.90 0.06	1.87
07 46 33 00-0005 SF 8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel..... <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	4.65 -0.15 -0.07 0.90 0.06	1.76
07 46 33 00-0006 SF 9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel..... <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	4.47 -0.15 -0.07 0.90 0.06	1.68
07 46 33 00-0007 SF 10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel..... <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	4.31 -0.15 -0.07 0.90 0.06	1.60
07 46 33 00-0008 SF 12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel..... <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	4.10 -0.15 -0.07 0.90 0.06	1.48
<b>07 46 33 00-0009 Vertical Vinyl Siding Panels</b> (07 46 33 00-0002)		
07 46 33 00-0010 SF 7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel..... <i>For Manufacturer's Custom Colors, Add</i>	5.73 0.10	1.87

**07 Thermal And Moisture Protection****07 40 Roofing and Siding Panels****07 46 Siding**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0011			<b>Vinyl Siding Accessories</b> (07 46 33 00-0001)		
07 46 33 00-0012	LF		3/4" Pocket, Outside Corner Post For Vinyl Siding.....	5.73	1.42
			<i>For Manufacturer's Custom Colors, Add</i>	0.14	
07 46 33 00-0013	LF		1-1/8" Pocket, Outside Corner Post For Vinyl Siding.....	10.11	1.42
			<i>For Manufacturer's Custom Colors, Add</i>	0.36	
07 46 33 00-0014	LF		3/4" Pocket, Inside Corner Post For Vinyl Siding.....	4.63	1.42
			<i>For Manufacturer's Custom Colors, Add</i>	0.09	
07 46 33 00-0015	LF		1-1/8" Pocket, Inside Corner Post For Vinyl Siding.....	5.55	1.42
			<i>For Manufacturer's Custom Colors, Add</i>	0.13	
07 46 33 00-0016	LF		3/8" Pocket, J-Channel For Vinyl Siding.....	3.51	1.42
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0017	LF		1/2" Pocket, J-Channel For Vinyl Siding.....	3.30	1.42
			<i>For Manufacturer's Custom Colors, Add</i>	0.03	
07 46 33 00-0018	LF		5/8" Pocket, J-Channel For Vinyl Siding.....	3.25	1.42
			<i>For Manufacturer's Custom Colors, Add</i>	0.03	
07 46 33 00-0019	LF		3/4" Pocket, J-Channel For Vinyl Siding.....	3.39	1.42
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0020	LF		1" Pocket, J-Channel For Vinyl Siding.....	3.99	1.42
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0021	LF		1-1/4" Pocket, J-Channel For Vinyl Siding.....	4.31	1.42
			<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0022	LF		2-1/2" Pocket, J-Channel For Vinyl Siding.....	4.86	1.42
			<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0023	LF		1/2" Pocket, F-Channel For Vinyl Siding.....	3.29	1.42
			<i>For Manufacturer's Custom Colors, Add</i>	0.05	
07 46 33 00-0024	LF		3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding.....	7.33	1.97
			<i>For Manufacturer's Custom Colors, Add</i>	0.17	
07 46 33 00-0025	LF		3/4" Pocket, 5" Lineal Trim For Vinyl Siding.....	7.63	1.97
			<i>For Manufacturer's Custom Colors, Add</i>	0.18	
07 46 33 00-0026	LF		1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding.....	8.31	1.97
			<i>For Manufacturer's Custom Colors, Add</i>	0.22	
07 46 33 00-0027	LF		3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding.....	4.45	1.42
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0028	LF		Vinyl Starter Strip For Vinyl Siding.....	5.42	1.42
			<i>For Manufacturer's Custom Colors, Add</i>	0.13	
07 46 33 00-0029	LF		Undersill Trim For Vinyl Siding.....	4.72	1.42
			<i>For Manufacturer's Custom Colors, Add</i>	0.09	
07 46 33 00-0030			<b>Vinyl Soffit And Fascia</b> (07 46 33 00-0001)		
			Note: Excludes J-channel.		
07 46 33 00-0031	LF		6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	4.09	1.52
			<i>For 0.038" Thick, Deduct</i>	-0.47	
			<i>For 0.040" Thick, Deduct</i>	-0.38	
			<i>For Manufacturer's Custom Colors, Add</i>	0.05	
07 46 33 00-0032	LF		10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	4.93	1.61
			<i>For 0.038" Thick, Deduct</i>	-0.79	
			<i>For 0.040" Thick, Deduct</i>	-0.66	
			<i>For Manufacturer's Custom Colors, Add</i>	0.09	
07 46 33 00-0033	LF		1" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	5.36	1.65
			<i>For 0.038" Thick, Deduct</i>	-0.93	
			<i>For 0.040" Thick, Deduct</i>	-0.78	
			<i>For Manufacturer's Custom Colors, Add</i>	0.10	
07 46 33 00-0034	LF		1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	6.56	1.74
			<i>For 0.038" Thick, Deduct</i>	-1.42	
			<i>For 0.040" Thick, Deduct</i>	-1.19	
			<i>For Manufacturer's Custom Colors, Add</i>	0.16	
07 46 33 00-0035	LF		2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	7.94	1.90
			<i>For 0.038" Thick, Deduct</i>	-1.88	
			<i>For 0.040" Thick, Deduct</i>	-1.59	
			<i>For Manufacturer's Custom Colors, Add</i>	0.21	
07 46 33 00-0036	LF		3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	10.38	2.09
			<i>For 0.038" Thick, Deduct</i>	-2.83	
			<i>For 0.040" Thick, Deduct</i>	-2.37	
			<i>For Manufacturer's Custom Colors, Add</i>	0.31	
07 46 33 00-0037	LF		4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	12.85	2.31
			<i>For 0.038" Thick, Deduct</i>	-3.78	
			<i>For 0.040" Thick, Deduct</i>	-3.18	
			<i>For Manufacturer's Custom Colors, Add</i>	0.41	
07 46 33 00-0038	LF		5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	15.39	2.53
			<i>For 0.038" Thick, Deduct</i>	-4.73	
			<i>For 0.040" Thick, Deduct</i>	-3.98	
			<i>For Manufacturer's Custom Colors, Add</i>	0.52	
07 46 33 00-0039	LF		4" Exposure, Vinyl Fascia.....	4.23	1.49
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0040	LF		6" Exposure, Vinyl Fascia.....	4.66	1.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0041	LF		8" Exposure, Vinyl Fascia.....	4.63	1.57
			<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0042	LF		10" Exposure, Vinyl Fascia.....	5.23	1.61
			<i>For Manufacturer's Custom Colors, Add</i>	0.10	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0043				Fiberglass Siding <small>(07 46 33)</small>		
07 46 33 00-0044				Corrugated Panels <small>(07 46 33 00-0043)</small>		
07 46 33 00-0045	SF			6 Ounce Corrugated Fiberglass Panels.....	6.35	2.20
07 46 33 00-0046	SF			8 Ounce Corrugated Fiberglass Panels.....	6.73	1.97
07 46 33 00-0047	SF			12 Ounce Corrugated Fiberglass Panels.....	7.42	1.97
07 46 33 00-0048				Flat Panels <small>(07 46 33 00-0043)</small>		
07 46 33 00-0049	SF			6 Ounce Flat Fiberglass Panels.....	6.11	1.97
07 46 33 00-0050	SF			8 Ounce Flat Fiberglass Panels.....	6.73	1.97
<b>07 46 46</b>				<b>Fiber-Cement Siding <small>(07 46)</small></b>		
				Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001				5/16" Thick, Fiber Cement Lap Siding <small>(07 46 46)</small>		
07 46 46 00-0002	SF			5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.85	2.31
07 46 46 00-0003	SF			6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.51	2.20
07 46 46 00-0004	SF			7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.37	2.14
07 46 46 00-0005	SF			8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.22	2.08
07 46 46 00-0006	SF			9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	5.96	1.97
07 46 46 00-0007	SF			12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	5.68	1.87
07 46 46 00-0008	LF			Starter Strip, Fiber Cement Lap Siding.....	1.50	0.55
07 46 46 00-0009				Fiber Cement Shingle Siding <small>(07 46 46)</small>		
07 46 46 00-0010	SF			Fiber Cement Shingle Siding.....	10.91	2.03
07 46 46 00-0011				Fiber Cement Vertical Panel Siding <small>(07 46 46)</small>		
07 46 46 00-0012	SF			Fiber Cement Vertical Panel Siding.....	5.05	1.65
07 46 46 00-0013				Fiber Cement Trim Boards <small>(07 46 46)</small>		
07 46 46 00-0014				7/16" Thick, Fiber Cement Trim Boards <small>(07 46 46 00-0013)</small>		
07 46 46 00-0015	LF			4" Wide, 7/16" Thick, Fiber Cement Trim Board.....	3.29	1.10
07 46 46 00-0016	LF			6" Wide, 7/16" Thick, Fiber Cement Trim Board.....	4.23	1.21
07 46 46 00-0017	LF			8" Wide, 7/16" Thick, Fiber Cement Trim Board.....	5.12	1.32
07 46 46 00-0018	LF			12" Wide, 7/16" Thick, Fiber Cement Trim Board.....	6.78	1.53
07 46 46 00-0019				3/4" Thick Fiber Cement Trim Boards <small>(07 46 46 00-0013)</small>		
07 46 46 00-0020	LF			4" Wide, 3/4" Thick, Fiber Cement Trim Board.....	3.47	1.10
07 46 46 00-0021	LF			6" Wide, 3/4" Thick, Fiber Cement Trim Board.....	4.50	1.21
07 46 46 00-0022	LF			8" Wide, 3/4" Thick, Fiber Cement Trim Board.....	5.57	1.32
07 46 46 00-0023	LF			12" Wide, 3/4" Thick, Fiber Cement Trim Board.....	5.79	1.53
07 46 46 00-0024				1" Thick Fiber Cement Trim Boards <small>(07 46 46 00-0013)</small>		
07 46 46 00-0025	LF			4" Wide, 1" Thick, Fiber Cement Trim Board.....	3.69	1.10
07 46 46 00-0026	LF			6" Wide, 1" Thick, Fiber Cement Trim Board.....	4.91	1.21
07 46 46 00-0027	LF			8" Wide, 1" Thick, Fiber Cement Trim Board.....	6.16	1.32
07 46 46 00-0028	LF			12" Wide, 1" Thick, Fiber Cement Trim Board.....	8.28	1.53
07 46 46 00-0029				Fiber Cement Fascia Board <small>(07 46 46)</small>		
07 46 46 00-0030	LF			5/4" x 3-1/2" Fiber Cement Fascia Board.....	6.43	2.17
07 46 46 00-0031	LF			5/4" x 5-1/2" Fiber Cement Fascia Board.....	8.14	2.42
07 46 46 00-0032	LF			5/4" x 7-1/4" Fiber Cement Fascia Board.....	9.18	2.42
07 46 46 00-0033	LF			5/4" x 11-1/4" Fiber Cement Fascia Board.....	12.30	2.84
07 46 46 00-0034				Fiber Cement Soffit Boards <small>(07 46 46)</small>		
07 46 46 00-0035	SF			1/4" Thick, Non Vented Fiber Cement Soffit.....	6.86	1.57
07 46 46 00-0036	SF			1/4" Thick, Vented Fiber Cement Soffit.....	7.34	1.57
<b>07 46 63</b>				<b>Fabricated Panel Assemblies with Siding <small>(07 46)</small></b>		
07 46 63 00-0001				Metal Liner Panels <small>(07 46 63)</small>		
07 46 63 00-0002				Galvanized <small>(07 46 63 00-0001)</small>		
07 46 63 00-0003	SF			24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	10.96	2.15
07 46 63 00-0004	SF			22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	12.02	2.15
07 46 63 00-0005	SF			20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	13.88	2.15
07 46 63 00-0006	SF			18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	14.08	2.15

**07 Thermal And Moisture Protection****07 50 Membrane Roofing**

07 46 Siding

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**07 50 Membrane Roofing** <sup>(07)</sup>

See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

**07 51 Built-Up Bituminous Roofing** <sup>(07 50)</sup>**07 51 13 Built-Up Asphalt Roofing** <sup>(07 51)</sup>07 51 13 00-0001 Built-Up Asphalt Roofing Components <sup>(07 51 13)</sup>07 51 13 00-0002 Built-Up Asphalt Membrane Roofing <sup>(07 51 13 00-0001)</sup>

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.

07 51 13 00-0003 Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing <sup>(07 51 13 00-0002)</sup>

Note: Includes applying cold adhesive and embedding the membrane.

07 51 13 00-0004 Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets <sup>(07 51 13 00-0003)</sup>

07 51 13 00-0005	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied .....	99.45
		For Up To 10, Add	26.16
		For >10 To 20, Add	14.65
		For >20 To 40, Add	8.11
		For >75 To 100, Deduct	-4.05
		For >100 To 200, Deduct	-8.89
		For >200, Deduct	-12.94
07 51 13 00-0006	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied .....	276.96
		For Up To 10, Add	61.66
		For >10 To 20, Add	32.40
		For >20 To 40, Add	16.98
		For >75 To 100, Deduct	-8.49
		For >100 To 200, Deduct	-17.77
		For >200, Deduct	-26.26

07 51 13 00-0007 Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing <sup>(07 51 13 00-0003)</sup>

07 51 13 00-0008 SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied.....6.58

07 51 13 00-0009 Hot-Mopped, Built-Up Asphalt Membrane Roofing <sup>(07 51 13 00-0002)</sup>

Note: Includes mopping hot asphalt and embedding the membrane.

07 51 13 00-0010 Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets <sup>(07 51 13 00-0009)</sup>

07 51 13 00-0011	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	73.11
		For Up To 10, Add	21.03
		For >10 To 20, Add	12.12
		For >20 To 40, Add	6.86
		For >75 To 100, Deduct	-3.43
		For >100 To 200, Deduct	-7.66
		For >200, Deduct	-11.09
07 51 13 00-0012	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	78.17
		For Up To 10, Add	22.04
		For >10 To 20, Add	12.62
		For >20 To 40, Add	7.11
		For >75 To 100, Deduct	-3.56
		For >100 To 200, Deduct	-7.91
		For >200, Deduct	-11.47
07 51 13 00-0013	SQ	Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped.....	83.92
		For Up To 10, Add	23.19
		For >10 To 20, Add	13.20
		For >20 To 40, Add	7.40
		For >75 To 100, Deduct	-3.70
		For >100 To 200, Deduct	-8.20
		For >200, Deduct	-11.90
07 51 13 00-0014	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped.....	147.70
		For Up To 10, Add	35.95
		For >10 To 20, Add	19.57
		For >20 To 40, Add	10.59
		For >75 To 100, Deduct	-5.29
		For >100 To 200, Deduct	-11.39
		For >200, Deduct	-16.68
07 51 13 00-0015	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped .....	250.62
		For Up To 10, Add	56.53
		For >10 To 20, Add	29.87
		For >20 To 40, Add	15.73
		For >75 To 100, Deduct	-7.87
		For >100 To 200, Deduct	-16.53
		For >200, Deduct	-24.40
07 51 13 00-0016	SQ	Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped .....	189.67
		For Up To 10, Add	44.95
		For >10 To 20, Add	24.23
		For >20 To 40, Add	12.99
		For >75 To 100, Deduct	-6.50
		For >100 To 200, Deduct	-13.87
		For >200, Deduct	-20.36





	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0017		<b>Hot-Mopped, Built-Up Asphalt Roofing Flashing</b> (07 51 13 00-0009)		
07 51 13 00-0018	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped .....	4.18	
07 51 13 00-0019		<b>Mechanically Fastened, Built-Up Asphalt Membrane Roofing</b> (07 51 13 00-0002) Note: Includes fasteners.		
07 51 13 00-0020		<b>Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets</b> (07 51 13 00-0019)		
07 51 13 00-0021	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened.....	77.33	
		For Up To 10, Add	18.60	
		For >10 To 20, Add	10.08	
		For >20 To 40, Add	5.43	
		For >75 To 100, Deduct	-2.72	
		For >100 To 200, Deduct	-5.82	
		For >200, Deduct	-8.54	
07 51 13 00-0022	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened.....	146.87	
		For Up To 10, Add	32.51	
		For >10 To 20, Add	17.04	
		For >20 To 40, Add	8.91	
		For >75 To 100, Deduct	-4.45	
		For >100 To 200, Deduct	-9.30	
		For >200, Deduct	-13.76	
07 51 13 00-0023	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened .....	249.79	
		For Up To 10, Add	53.09	
		For >10 To 20, Add	27.33	
		For >20 To 40, Add	14.06	
		For >75 To 100, Deduct	-7.03	
		For >100 To 200, Deduct	-14.45	
		For >200, Deduct	-21.47	
07 51 13 00-0024		<b>Mechanically Fastened, Built-Up Asphalt Roofing Flashing</b> (07 51 13 00-0019)		
07 51 13 00-0025	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened .....	5.06	
07 51 13 00-0026		<b>Asphalt Saturated Organic Felt</b> (07 51 13 00-0001)		
07 51 13 00-0027		<b>Cold Adhesive Applied, Asphalt Saturated Organic Felt</b> (07 51 13 00-0026) Note: Includes applying cold adhesive and embedding the felt.		
07 51 13 00-0028	SQ	15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied.....	96.28	
		For Up To 10, Add	25.52	
		For >10 To 20, Add	14.33	
		For >20 To 40, Add	7.95	
		For >75 To 100, Deduct	-3.97	
		For >100 To 200, Deduct	-8.73	
		For >200, Deduct	-12.71	
07 51 13 00-0029	SQ	30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied.....	109.33	
		For Up To 10, Add	28.13	
		For >10 To 20, Add	15.63	
		For >20 To 40, Add	8.60	
		For >75 To 100, Deduct	-4.30	
		For >100 To 200, Deduct	-9.38	
		For >200, Deduct	-13.68	
07 51 13 00-0030		<b>Hot-Mopped, Asphalt Saturated Organic Felt</b> (07 51 13 00-0026) Note: Includes mopping hot asphalt and embedding the felt.		
07 51 13 00-0031	SQ	15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped .....	69.94	
		For Up To 10, Add	20.39	
		For >10 To 20, Add	11.80	
		For >20 To 40, Add	6.70	
		For >75 To 100, Deduct	-3.35	
		For >100 To 200, Deduct	-7.50	
		For >200, Deduct	-10.85	
07 51 13 00-0032	SQ	30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped .....	82.99	
		For Up To 10, Add	23.00	
		For >10 To 20, Add	13.10	
		For >20 To 40, Add	7.35	
		For >75 To 100, Deduct	-3.68	
		For >100 To 200, Deduct	-8.15	
		For >200, Deduct	-11.83	
07 51 13 00-0033		<b>Mechanically Fastened, Asphalt Saturated Organic Felt</b> (07 51 13 00-0026) Note: Includes fasteners.		
07 51 13 00-0034	SQ	15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened .....	35.09	
		For Up To 10, Add	10.15	
		For >10 To 20, Add	5.86	
		For >20 To 40, Add	3.32	
		For >75 To 100, Deduct	-1.66	
		For >100 To 200, Deduct	-3.71	
		For >200, Deduct	-5.37	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0035	SQ		30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened.....	48.14	
			<i>For Up To 10, Add</i>	12.76	
			<i>For &gt;10 To 20, Add</i>	7.16	
			<i>For &gt;20 To 40, Add</i>	3.97	
			<i>For &gt;75 To 100, Deduct</i>	-1.99	
			<i>For &gt;100 To 200, Deduct</i>	-4.36	
			<i>For &gt;200, Deduct</i>	-6.35	
<b>07 51 13 00-0036</b>			<b>Surfacing</b> <small>(07 51 13 00-0001)</small>		
07 51 13 00-0037	SQ		400 LB/SQ Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat.....	155.18	
			<i>For Up To 10, Add</i>	46.71	
			<i>For &gt;10 To 20, Add</i>	27.27	
			<i>For &gt;20 To 40, Add</i>	15.60	
			<i>For &gt;75 To 100, Deduct</i>	-7.80	
			<i>For &gt;100 To 200, Deduct</i>	-17.56	
			<i>For &gt;200, Deduct</i>	-25.35	
07 51 13 00-0038	SQ		400 LB/SQ Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat.....	231.99	
			<i>For Up To 10, Add</i>	62.07	
			<i>For &gt;10 To 20, Add</i>	34.95	
			<i>For &gt;20 To 40, Add</i>	19.44	
			<i>For &gt;75 To 100, Deduct</i>	-9.72	
			<i>For &gt;100 To 200, Deduct</i>	-21.40	
			<i>For &gt;200, Deduct</i>	-31.11	
07 51 13 00-0039	CY		Gravel Roofing Ballast, Spread To Desired Thickness.....	165.85	
			Note: Excludes hot asphalt or cold adhesive.		
07 51 13 00-0040	SQ		Protective Polypropylene Fabric Mat, Loose Laid.....	47.89	
			Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.		
			<i>For Up To 10, Add</i>	11.65	
			<i>For &gt;10 To 20, Add</i>	6.34	
			<i>For &gt;20 To 40, Add</i>	3.43	
			<i>For &gt;75 To 100, Deduct</i>	-1.71	
			<i>For &gt;100 To 200, Deduct</i>	-3.69	
			<i>For &gt;200, Deduct</i>	-5.40	
07 51 13 00-0041	SQ		Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat.....	113.25	
			Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.		
			<i>For Up To 10, Add</i>	26.41	
			<i>For &gt;10 To 20, Add</i>	14.15	
			<i>For &gt;20 To 40, Add</i>	7.54	
			<i>For &gt;75 To 100, Deduct</i>	-3.77	
			<i>For &gt;100 To 200, Deduct</i>	-8.01	
			<i>For &gt;200, Deduct</i>	-11.79	
07 51 13 00-0042	SQ		Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat.....	100.55	
			Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.		
			<i>For Up To 10, Add</i>	23.87	
			<i>For &gt;10 To 20, Add</i>	12.88	
			<i>For &gt;20 To 40, Add</i>	6.91	
			<i>For &gt;75 To 100, Deduct</i>	-3.45	
			<i>For &gt;100 To 200, Deduct</i>	-7.38	
			<i>For &gt;200, Deduct</i>	-10.83	
07 51 13 00-0043	SQ		Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat.....	135.21	
			Note: Reflective coating for use over smooth-surfaced built-up roofs.		
			<i>For Up To 10, Add</i>	30.80	
			<i>For &gt;10 To 20, Add</i>	16.34	
			<i>For &gt;20 To 40, Add</i>	8.64	
			<i>For &gt;75 To 100, Deduct</i>	-4.32	
			<i>For &gt;100 To 200, Deduct</i>	-9.11	
			<i>For &gt;200, Deduct</i>	-13.43	
07 51 13 00-0044	SQ		100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat.....	136.34	
			Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			<i>For Up To 10, Add</i>	31.03	
			<i>For &gt;10 To 20, Add</i>	16.46	
			<i>For &gt;20 To 40, Add</i>	8.70	
			<i>For &gt;75 To 100, Deduct</i>	-4.35	
			<i>For &gt;100 To 200, Deduct</i>	-9.17	
			<i>For &gt;200, Deduct</i>	-13.52	
			<i>For Installation Over Granule Surfaced Asphalt Roof Systems, Add</i>	40.67	
07 51 13 00-0045	SQ		100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat.....	141.01	
			Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			<i>For Up To 10, Add</i>	31.96	
			<i>For &gt;10 To 20, Add</i>	16.92	
			<i>For &gt;20 To 40, Add</i>	8.93	
			<i>For &gt;75 To 100, Deduct</i>	-4.47	
			<i>For &gt;100 To 200, Deduct</i>	-9.40	
			<i>For &gt;200, Deduct</i>	-13.87	
			<i>For Installation Over Granule Surfaced Asphalt Roof Systems, Add</i>	42.21	
07 51 13 00-0046	SF		Ceramic Coated Roofing Granules, Hand Broadcast.....	2.21	
			Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0047	SF		Energy Star, Ceramic Coated UltraWhite Roofing Granules, Hand Broadcast.....	4.12	
			Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0048	SQ	Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™).....	35.92	
<b>07 51 13 00-0049</b>		<b>Walkway Pads</b> (07 51 13 00-0001) Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0050	LF	5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad.....	28.36	
07 51 13 00-0051	LF	1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad.....	33.83	
<b>07 51 13 00-0052</b>		<b>Cant And Tapered Edge Strips</b> (07 51 13 00-0001)		
07 51 13 00-0053	LF	2" x 2" Perlite Cant Strip .....	3.77	
07 51 13 00-0054	LF	3" x 3" Perlite Cant Strip .....	3.90	
07 51 13 00-0055	LF	4" x 4" Perlite Cant Strip .....	4.50	
07 51 13 00-0056	LF	3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally .....	3.95	
07 51 13 00-0057	LF	4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally .....	4.14	
07 51 13 00-0058	LF	1/2" x 6" Perlite Tapered Edge Strip .....	4.22	
07 51 13 00-0059	LF	1/2" x 12" Perlite Tapered Edge Strip .....	4.91	
07 51 13 00-0060	LF	1" x 12" Perlite Tapered Edge Strip .....	5.09	
07 51 13 00-0061	LF	1" x 24" Perlite Tapered Edge Strip .....	5.80	
07 51 13 00-0062	LF	1-1/2" x 12" Perlite Tapered Edge Strip .....	5.74	
07 51 13 00-0063	LF	1-1/2" x 18" Perlite Tapered Edge Strip .....	7.03	
07 51 13 00-0064	LF	1-1/2" x 24" Perlite Tapered Edge Strip .....	7.96	
<b>07 51 13 00-0065</b>		<b>Asphalt Primer</b> (07 51 13 00-0001)		
07 51 13 00-0066	SQ	Asphalt Primer For Roofing Systems..... Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.	33.19	
<b>07 51 13 00-0067</b>		<b>Demolish Built-Up Roofing</b> (07 51 13 00-0001) Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).		
07 51 13 00-0068	SQ	Demolish Gravel/Slag Surfaced, Built Up Roofing System..... For Up To 10, Add 81.55 For >10 To 25, Add 48.93	329.16	
07 51 13 00-0069	SQ	Demolish Cap Sheet Surfaced, Built Up Roofing System..... Note: Includes protective surfacing. For Up To 10, Add 62.91 For >10 To 25, Add 37.74	253.92	
<b>07 51 13 00-0070</b>		<b>Roofing System Warranty</b> (07 51 13 00-0001) Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
07 51 13 00-0071	EA	Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....	588.10	
07 51 13 00-0072	SQ	>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	8.40	
07 51 13 00-0073	EA	Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....	672.12	
07 51 13 00-0074	SQ	>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	13.44	
07 51 13 00-0075	EA	Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....	924.16	
07 51 13 00-0076	SQ	>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	18.48	
<b>07 51 13 00-0077</b>		<b>Built-Up Roofing Components (Garland)</b> (07 51 13) Note: All tasks presented as a single layer. Adhesives are priced separately.		
<b>07 51 13 00-0078</b>		<b>Modified Cap Membranes</b> (07 51 13 00-0077)		
<b>07 51 13 00-0079</b>		<b>Modified Cap Membranes, Hot/Cold Applied</b> (07 51 13 00-0078) Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0080	SQ	Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil .....	669.78	
07 51 13 00-0081	SQ	Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil .....	478.77	
07 51 13 00-0082	SQ	Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil.....	593.11	
07 51 13 00-0083	SQ	Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials .....	616.38	
07 51 13 00-0084	SQ	Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil .....	858.74	
07 51 13 00-0085	SQ	Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil .....	965.54	
07 51 13 00-0086	SQ	Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil..... Note: Low strength cap sheet for hot or cold modified systems used with gravel.	405.21	
07 51 13 00-0087	SQ	Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil .....	510.95	
07 51 13 00-0088	SQ	BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil .....	311.91	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 51 13 00-0089	<b>Modified Cap Membranes, Self-Adhering</b> <small>(07 51 13 00-0078)</small>	
	Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.	
07 51 13 00-0090	SQ Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil .....	606.11
	Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.	
07 51 13 00-0091	<b>Modified Cap Membranes, Torch-Applied</b> <small>(07 51 13 00-0078)</small>	
	Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.	
07 51 13 00-0092	SQ Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil .....	746.47
	Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.	
07 51 13 00-0093	SQ Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil.....	812.20
07 51 13 00-0094	SQ Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil .....	856.01
07 51 13 00-0095	<b>Modified Cap Membranes, Coal Tar Pitch Systems</b> <small>(07 51 13 00-0078)</small>	
	Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.	
07 51 13 00-0096	SQ Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil .....	688.90
07 51 13 00-0097	SQ Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil .....	1,088.78
07 51 13 00-0098	SQ Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil.....	886.14
07 51 13 00-0099	<b>Base Ply</b> <small>(07 51 13 00-0077)</small>	
	Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.	
07 51 13 00-0100	SQ Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil.....	612.27
07 51 13 00-0101	SQ Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil.....	384.29
07 51 13 00-0102	SQ HPR® Glasbase Heavy Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil .....	87.55
	Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.	
07 51 13 00-0103	SQ HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil .....	57.70
	Note: Inner ply felts for hot applied built up and modified BUR systems.	
07 51 13 00-0104	SQ HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil .....	70.42
07 51 13 00-0105	SQ HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil.....	76.58
07 51 13 00-0106	SQ HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil .....	119.96
	Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.	
07 51 13 00-0107	SQ Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil .....	390.40
07 51 13 00-0108	SQ HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil .....	335.69
	Note: Self adhering base ply for self adhering 2 ply system.	
07 51 13 00-0109	SQ StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil .....	341.54
07 51 13 00-0110	SQ StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil.....	283.35
07 51 13 00-0111	LF Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric .....	4.65
07 51 13 00-0112	LF Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems .....	13.34
07 51 13 00-0113	SQ Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems .....	67.34
07 51 13 00-0114	LF Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems .....	6.09
07 51 13 00-0115	LF Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems .....	4.37
07 51 13 00-0116	LF Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems .....	5.17
07 51 13 00-0117	SQ HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications.....	148.07
07 51 13 00-0118	<b>Coatings And Mastics For Roof Installation, Restoration And Repairs</b> <small>(07 51 13 00-0077)</small>	
07 51 13 00-0119	SQ Water Based Roof Primer, GarlaPrime VOC Primer.....	41.67
07 51 13 00-0120	SQ Black-Knight® Primer .....	38.45
07 51 13 00-0121	SQ Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply .....	162.50
07 51 13 00-0122	SQ Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ) .....	171.18
07 51 13 00-0123	SQ Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ) .....	272.73
07 51 13 00-0124	SQ Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply.....	442.44
07 51 13 00-0125	SQ Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat.....	454.01
07 51 13 00-0126	SQ Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ).....	211.52
07 51 13 00-0127	SQ Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration .....	349.97
07 51 13 00-0128	SQ Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ) .....	543.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0129 SQ Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration.....	903.15	
07 51 13 00-0130 SQ Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproof, Interply .....	377.34	
07 51 13 00-0131 SQ Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproof, Flood Coat .....	388.91	
07 51 13 00-0132 SQ Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only .....	830.57	
07 51 13 00-0133 SQ Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only .....	358.19	
07 51 13 00-0134 SQ HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply .....	173.83	
07 51 13 00-0135 SQ HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat.....	185.40	
07 51 13 00-0136 SQ Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel .....	160.56	
07 51 13 00-0137 SQ Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers .....	149.68	
07 51 13 00-0138 SQ Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products .....	17.98	
Note: Adheres all insulation layers for cold systems.		
07 51 13 00-0139 SQ Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required.....	184.57	
07 51 13 00-0140 SQ Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System .....	178.88	
07 51 13 00-0141 LF Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh.....	21.88	
07 51 13 00-0142 SQ Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat.....	239.37	
07 51 13 00-0143 SQ Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric.....	1,358.22	
07 51 13 00-0144 SQ Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ).....	303.32	
07 51 13 00-0145 SQ Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel .....	370.96	
07 51 13 00-0146 SQ Weatherking® Cold Applied Rubber Modified Asphalt Interply Adhesive For Slopes Up To 3:12, Interply .....	137.05	
07 51 13 00-0147 SQ Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System .....	439.24	
07 51 13 00-0148 SQ Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply.....	136.00	
Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.		

**07 52 Modified Bituminous Membrane Roofing** (07 50)

**07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing** (07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

**07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing** (07 52 13)

**07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing** (07 52 13 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

**07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets** (07 52 13 11-0001)

07 52 13 11-0003 SQ 80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	184.54	
For Up To 10, Add	43.18	
For >10 To 20, Add	23.16	
For >20 To 40, Add	12.36	
For >75 To 100, Deduct	-6.18	
For >100 To 200, Deduct	-13.14	
For >200, Deduct	-19.33	
07 52 13 11-0004 SQ 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied .....	225.07	
For Up To 10, Add	51.28	
For >10 To 20, Add	27.21	
For >20 To 40, Add	14.39	
For >75 To 100, Deduct	-7.19	
For >100 To 200, Deduct	-15.17	
For >200, Deduct	-22.36	
07 52 13 11-0005 SQ 160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied .....	354.48	
For Up To 10, Add	77.16	
For >10 To 20, Add	40.15	
For >20 To 40, Add	20.86	
For >75 To 100, Deduct	-10.43	
For >100 To 200, Deduct	-21.64	
For >200, Deduct	-32.07	
07 52 13 11-0006 SQ 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	357.47	
For Up To 10, Add	78.36	
For >10 To 20, Add	40.90	
For >20 To 40, Add	21.31	
For >75 To 100, Deduct	-10.65	
For >100 To 200, Deduct	-22.16	
For >200, Deduct	-32.82	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	255.26
		<i>For Up To 10, Add</i>	57.92
		<i>For &gt;10 To 20, Add</i>	30.68
		<i>For &gt;20 To 40, Add</i>	16.20
		<i>For &gt;75 To 100, Deduct</i>	-8.10
		<i>For &gt;100 To 200, Deduct</i>	-17.05
		<i>For &gt;200, Deduct</i>	-25.15
		<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	296.25
		<i>For Up To 10, Add</i>	66.12
		<i>For &gt;10 To 20, Add</i>	34.77
		<i>For &gt;20 To 40, Add</i>	18.25
		<i>For &gt;75 To 100, Deduct</i>	-9.12
		<i>For &gt;100 To 200, Deduct</i>	-19.10
		<i>For &gt;200, Deduct</i>	-28.23
		<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32
07 52 13 11-0009	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	407.95
		<i>For Up To 10, Add</i>	88.46
		<i>For &gt;10 To 20, Add</i>	45.94
		<i>For &gt;20 To 40, Add</i>	23.83
		<i>For &gt;75 To 100, Deduct</i>	-11.92
		<i>For &gt;100 To 200, Deduct</i>	-24.69
		<i>For &gt;200, Deduct</i>	-36.60
		<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32

**07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing (07 52 13 11-0001)**

07 52 13 11-0011	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.09
07 52 13 11-0012	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied.....	7.86
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.97

**07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)****07 52 13 13-0001 Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing (07 52 13 13)**

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

**07 52 13 13-0002 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 13-0001)**

07 52 13 13-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied.....	132.61
		<i>For Up To 10, Add</i>	32.78
		<i>For &gt;10 To 20, Add</i>	17.96
		<i>For &gt;20 To 40, Add</i>	9.76
		<i>For &gt;75 To 100, Deduct</i>	-4.88
		<i>For &gt;100 To 200, Deduct</i>	-10.54
		<i>For &gt;200, Deduct</i>	-15.43
07 52 13 13-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	173.15
		<i>For Up To 10, Add</i>	40.89
		<i>For &gt;10 To 20, Add</i>	22.01
		<i>For &gt;20 To 40, Add</i>	11.79
		<i>For &gt;75 To 100, Deduct</i>	-5.89
		<i>For &gt;100 To 200, Deduct</i>	-12.57
		<i>For &gt;200, Deduct</i>	-18.47
07 52 13 13-0005	SQ	150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	207.89
		<i>For Up To 10, Add</i>	50.98
		<i>For &gt;10 To 20, Add</i>	27.84
		<i>For &gt;20 To 40, Add</i>	15.10
		<i>For &gt;75 To 100, Deduct</i>	-7.55
		<i>For &gt;100 To 200, Deduct</i>	-16.27
		<i>For &gt;200, Deduct</i>	-23.82
07 52 13 13-0006	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	218.27
		<i>For Up To 10, Add</i>	53.06
		<i>For &gt;10 To 20, Add</i>	28.88
		<i>For &gt;20 To 40, Add</i>	15.62
		<i>For &gt;75 To 100, Deduct</i>	-7.81
		<i>For &gt;100 To 200, Deduct</i>	-16.79
		<i>For &gt;200, Deduct</i>	-24.60
07 52 13 13-0007	SQ	180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	302.47
		<i>For Up To 10, Add</i>	69.90
		<i>For &gt;10 To 20, Add</i>	37.30
		<i>For &gt;20 To 40, Add</i>	19.83
		<i>For &gt;75 To 100, Deduct</i>	-9.91
		<i>For &gt;100 To 200, Deduct</i>	-21.00
		<i>For &gt;200, Deduct</i>	-30.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0008 SQ 150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	207.89	
<i>For Up To 10, Add</i>	50.98	
<i>For &gt;10 To 20, Add</i>	27.84	
<i>For &gt;20 To 40, Add</i>	15.10	
<i>For &gt;75 To 100, Deduct</i>	-7.55	
<i>For &gt;100 To 200, Deduct</i>	-16.27	
<i>For &gt;200, Deduct</i>	-23.82	
07 52 13 13-0009 SQ 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	220.87	
<i>For Up To 10, Add</i>	53.58	
<i>For &gt;10 To 20, Add</i>	29.14	
<i>For &gt;20 To 40, Add</i>	15.75	
<i>For &gt;75 To 100, Deduct</i>	-7.87	
<i>For &gt;100 To 200, Deduct</i>	-16.92	
<i>For &gt;200, Deduct</i>	-24.80	
07 52 13 13-0010 SQ 180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	302.47	
<i>For Up To 10, Add</i>	69.90	
<i>For &gt;10 To 20, Add</i>	37.30	
<i>For &gt;20 To 40, Add</i>	19.83	
<i>For &gt;75 To 100, Deduct</i>	-9.91	
<i>For &gt;100 To 200, Deduct</i>	-21.00	
<i>For &gt;200, Deduct</i>	-30.92	
07 52 13 13-0011 SQ 160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied .....	216.07	
<i>For Up To 10, Add</i>	52.62	
<i>For &gt;10 To 20, Add</i>	28.66	
<i>For &gt;20 To 40, Add</i>	15.51	
<i>For &gt;75 To 100, Deduct</i>	-7.75	
<i>For &gt;100 To 200, Deduct</i>	-16.68	
<i>For &gt;200, Deduct</i>	-24.44	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	
07 52 13 13-0012 SQ 170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied .....	228.65	
<i>For Up To 10, Add</i>	55.14	
<i>For &gt;10 To 20, Add</i>	29.92	
<i>For &gt;20 To 40, Add</i>	16.14	
<i>For &gt;75 To 100, Deduct</i>	-8.07	
<i>For &gt;100 To 200, Deduct</i>	-17.31	
<i>For &gt;200, Deduct</i>	-25.38	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	
07 52 13 13-0013 SQ 160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	259.53	
<i>For Up To 10, Add</i>	61.31	
<i>For &gt;10 To 20, Add</i>	33.01	
<i>For &gt;20 To 40, Add</i>	17.68	
<i>For &gt;75 To 100, Deduct</i>	-8.84	
<i>For &gt;100 To 200, Deduct</i>	-18.86	
<i>For &gt;200, Deduct</i>	-27.70	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	
07 52 13 13-0014 SQ 170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	263.29	
<i>For Up To 10, Add</i>	62.06	
<i>For &gt;10 To 20, Add</i>	33.38	
<i>For &gt;20 To 40, Add</i>	17.87	
<i>For &gt;75 To 100, Deduct</i>	-8.93	
<i>For &gt;100 To 200, Deduct</i>	-19.04	
<i>For &gt;200, Deduct</i>	-27.98	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	
07 52 13 13-0015 SQ 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	368.76	
<i>For Up To 10, Add</i>	83.16	
<i>For &gt;10 To 20, Add</i>	43.93	
<i>For &gt;20 To 40, Add</i>	23.14	
<i>For &gt;75 To 100, Deduct</i>	-11.57	
<i>For &gt;100 To 200, Deduct</i>	-24.32	
<i>For &gt;200, Deduct</i>	-35.89	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	
<b>07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing</b>		
<b>Flashing</b> <small>(07 52 13 13-0001)</small>		
07 52 13 13-0017 SF 150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	3.02	
07 52 13 13-0018 SF 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	3.15	
07 52 13 13-0019 SF 180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	3.96	
07 52 13 13-0020 SF 170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied.....	3.23	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.97	
07 52 13 13-0021 SF 170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	3.57	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.97	
07 52 13 13-0022 SF 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	4.63	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.97	
<b>07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing</b> <small>(07 52 13)</small>		
07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing <small>(07 52 13 14)</small>		
Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets <small>(07 52 13 14-0001)</small>		

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 14-0003 SQ 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	197.90	
For Up To 10, Add	42.71	
For >10 To 20, Add	22.14	
For >20 To 40, Add	11.46	
For >75 To 100, Deduct	-5.73	
For >100 To 200, Deduct	-11.85	
For >200, Deduct	-17.58	
<b>07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52)</b>		
Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.		
<b>07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)</b>		
<b>07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 11)</b>		
Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.		
<b>07 52 16 11-0002 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 11-0001)</b>		
07 52 16 11-0003 SQ 50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	144.85	
For Up To 10, Add	35.24	
For >10 To 20, Add	19.19	
For >20 To 40, Add	10.38	
For >75 To 100, Deduct	-5.19	
For >100 To 200, Deduct	-11.16	
For >200, Deduct	-16.35	
07 52 16 11-0004 SQ 80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	189.86	
For Up To 10, Add	44.24	
For >10 To 20, Add	23.69	
For >20 To 40, Add	12.63	
For >75 To 100, Deduct	-6.31	
For >100 To 200, Deduct	-13.41	
For >200, Deduct	-19.72	
07 52 16 11-0005 SQ 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	195.66	
For Up To 10, Add	45.40	
For >10 To 20, Add	24.27	
For >20 To 40, Add	12.92	
For >75 To 100, Deduct	-6.46	
For >100 To 200, Deduct	-13.70	
For >200, Deduct	-20.16	
07 52 16 11-0006 SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied.....	267.45	
For Up To 10, Add	59.76	
For >10 To 20, Add	31.45	
For >20 To 40, Add	16.51	
For >75 To 100, Deduct	-8.25	
For >100 To 200, Deduct	-17.29	
For >200, Deduct	-25.54	
07 52 16 11-0007 SQ 125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied.....	340.09	
For Up To 10, Add	74.29	
For >10 To 20, Add	38.71	
For >20 To 40, Add	20.14	
For >75 To 100, Deduct	-10.07	
For >100 To 200, Deduct	-20.92	
For >200, Deduct	-30.99	
07 52 16 11-0008 SQ 140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	282.86	
For Up To 10, Add	63.44	
For >10 To 20, Add	33.44	
For >20 To 40, Add	17.58	
For >75 To 100, Deduct	-8.79	
For >100 To 200, Deduct	-18.43	
For >200, Deduct	-27.22	
07 52 16 11-0009 SQ 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	290.67	
For Up To 10, Add	65.00	
For >10 To 20, Add	34.22	
For >20 To 40, Add	17.97	
For >75 To 100, Deduct	-8.98	
For >100 To 200, Deduct	-18.82	
For >200, Deduct	-27.81	
07 52 16 11-0010 SQ 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	254.09	
For Up To 10, Add	57.68	
For >10 To 20, Add	30.56	
For >20 To 40, Add	16.14	
For >75 To 100, Deduct	-8.07	
For >100 To 200, Deduct	-17.00	
For >200, Deduct	-25.06	
For Factory Applied White Reflective Surfacing, Add	97.32	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0011 SQ 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	257.46	
<i>For Up To 10, Add</i>	58.36	
<i>For &gt;10 To 20, Add</i>	30.90	
<i>For &gt;20 To 40, Add</i>	16.31	
<i>For &gt;75 To 100, Deduct</i>	-8.15	
<i>For &gt;100 To 200, Deduct</i>	-17.16	
<i>For &gt;200, Deduct</i>	-25.32	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	
07 52 16 11-0012 SQ 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	288.60	
<i>For Up To 10, Add</i>	64.59	
<i>For &gt;10 To 20, Add</i>	34.01	
<i>For &gt;20 To 40, Add</i>	17.86	
<i>For &gt;75 To 100, Deduct</i>	-8.93	
<i>For &gt;100 To 200, Deduct</i>	-18.72	
<i>For &gt;200, Deduct</i>	-27.65	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	
07 52 16 11-0013 SQ 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	293.79	
<i>For Up To 10, Add</i>	65.62	
<i>For &gt;10 To 20, Add</i>	34.53	
<i>For &gt;20 To 40, Add</i>	18.12	
<i>For &gt;75 To 100, Deduct</i>	-9.06	
<i>For &gt;100 To 200, Deduct</i>	-18.98	
<i>For &gt;200, Deduct</i>	-28.04	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	
07 52 16 11-0014 SQ 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	339.19	
<i>For Up To 10, Add</i>	74.70	
<i>For &gt;10 To 20, Add</i>	39.07	
<i>For &gt;20 To 40, Add</i>	20.39	
<i>For &gt;75 To 100, Deduct</i>	-10.20	
<i>For &gt;100 To 200, Deduct</i>	-21.25	
<i>For &gt;200, Deduct</i>	-31.45	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	
07 52 16 11-0015 SQ 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	421.91	
<i>For Up To 10, Add</i>	91.25	
<i>For &gt;10 To 20, Add</i>	47.34	
<i>For &gt;20 To 40, Add</i>	24.53	
<i>For &gt;75 To 100, Deduct</i>	-12.26	
<i>For &gt;100 To 200, Deduct</i>	-25.39	
<i>For &gt;200, Deduct</i>	-37.65	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	
07 52 16 11-0016 SQ 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	259.72	
<i>For Up To 10, Add</i>	58.81	
<i>For &gt;10 To 20, Add</i>	31.12	
<i>For &gt;20 To 40, Add</i>	16.42	
<i>For &gt;75 To 100, Deduct</i>	-8.21	
<i>For &gt;100 To 200, Deduct</i>	-17.28	
<i>For &gt;200, Deduct</i>	-25.49	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	
07 52 16 11-0017 SQ 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	267.84	
<i>For Up To 10, Add</i>	60.43	
<i>For &gt;10 To 20, Add</i>	31.93	
<i>For &gt;20 To 40, Add</i>	16.83	
<i>For &gt;75 To 100, Deduct</i>	-8.41	
<i>For &gt;100 To 200, Deduct</i>	-17.68	
<i>For &gt;200, Deduct</i>	-26.10	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	
07 52 16 11-0018 SQ 150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	311.95	
<i>For Up To 10, Add</i>	69.26	
<i>For &gt;10 To 20, Add</i>	36.34	
<i>For &gt;20 To 40, Add</i>	19.03	
<i>For &gt;75 To 100, Deduct</i>	-9.52	
<i>For &gt;100 To 200, Deduct</i>	-19.89	
<i>For &gt;200, Deduct</i>	-29.40	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	
07 52 16 11-0019 SQ 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	312.99	
<i>For Up To 10, Add</i>	69.46	
<i>For &gt;10 To 20, Add</i>	36.45	
<i>For &gt;20 To 40, Add</i>	19.08	
<i>For &gt;75 To 100, Deduct</i>	-9.54	
<i>For &gt;100 To 200, Deduct</i>	-19.94	
<i>For &gt;200, Deduct</i>	-29.48	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0020 SQ 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	332.71	
For Up To 10, Add	73.41	
For >10 To 20, Add	38.42	
For >20 To 40, Add	20.07	
For >75 To 100, Deduct	-10.03	
For >100 To 200, Deduct	-20.93	
For >200, Deduct	-30.96	
For Factory Applied White Reflective Surfacing, Add	97.32	
<b>07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 11-0001)</b>		
07 52 16 11-0022 SF 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.42	
07 52 16 11-0023 SF 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.06	
For Factory Applied White Reflective Surfacing, Add	0.97	
07 52 16 11-0024 SF 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.09	
For Factory Applied White Reflective Surfacing, Add	0.97	
07 52 16 11-0025 SF 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.46	
For Factory Applied White Reflective Surfacing, Add	0.97	
07 52 16 11-0026 SF 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.91	
For Factory Applied White Reflective Surfacing, Add	0.97	
07 52 16 11-0027 SF 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.74	
For Factory Applied White Reflective Surfacing, Add	0.97	
07 52 16 11-0028 SF 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.12	
For Factory Applied White Reflective Surfacing, Add	0.97	
07 52 16 11-0029 SF 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.20	
For Factory Applied White Reflective Surfacing, Add	0.97	
07 52 16 11-0030 SF 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.65	
For Factory Applied White Reflective Surfacing, Add	0.97	
07 52 16 11-0031 SF 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.84	
For Factory Applied White Reflective Surfacing, Add	0.97	
07 52 16 11-0032 SF 145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.46	
07 52 16 11-0033 SF 160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	12.29	
<b>07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)</b>		
<b>07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 12)</b>		
Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.		
<b>07 52 16 12-0002 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 12-0001)</b>		
07 52 16 12-0003 SQ 50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	118.51	
For Up To 10, Add	30.11	
For >10 To 20, Add	16.66	
For >20 To 40, Add	9.13	
For >75 To 100, Deduct	-4.56	
For >100 To 200, Deduct	-9.93	
For >200, Deduct	-14.49	
07 52 16 12-0004 SQ 80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	163.51	
For Up To 10, Add	39.11	
For >10 To 20, Add	21.16	
For >20 To 40, Add	11.38	
For >75 To 100, Deduct	-5.69	
For >100 To 200, Deduct	-12.18	
For >200, Deduct	-17.87	
07 52 16 12-0005 SQ 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	169.32	
For Up To 10, Add	40.27	
For >10 To 20, Add	21.74	
For >20 To 40, Add	11.67	
For >75 To 100, Deduct	-5.83	
For >100 To 200, Deduct	-12.47	
For >200, Deduct	-18.30	
07 52 16 12-0006 SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped.....	241.11	
For Up To 10, Add	54.63	
For >10 To 20, Add	28.92	
For >20 To 40, Add	15.26	
For >75 To 100, Deduct	-7.63	
For >100 To 200, Deduct	-16.06	
For >200, Deduct	-23.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0007 SQ 125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped.....	313.75	
<i>For Up To 10, Add</i>	69.16	
<i>For &gt;10 To 20, Add</i>	36.18	
<i>For &gt;20 To 40, Add</i>	18.89	
<i>For &gt;75 To 100, Deduct</i>	-9.45	
<i>For &gt;100 To 200, Deduct</i>	-19.69	
<i>For &gt;200, Deduct</i>	-29.14	
07 52 16 12-0008 SQ 140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	256.58	
<i>For Up To 10, Add</i>	58.33	
<i>For &gt;10 To 20, Add</i>	30.92	
<i>For &gt;20 To 40, Add</i>	16.34	
<i>For &gt;75 To 100, Deduct</i>	-8.17	
<i>For &gt;100 To 200, Deduct</i>	-17.21	
<i>For &gt;200, Deduct</i>	-25.38	
07 52 16 12-0009 SQ 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	264.39	
<i>For Up To 10, Add</i>	59.89	
<i>For &gt;10 To 20, Add</i>	31.70	
<i>For &gt;20 To 40, Add</i>	16.73	
<i>For &gt;75 To 100, Deduct</i>	-8.36	
<i>For &gt;100 To 200, Deduct</i>	-17.60	
<i>For &gt;200, Deduct</i>	-25.97	
07 52 16 12-0010 SQ 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	227.81	
<i>For Up To 10, Add</i>	52.58	
<i>For &gt;10 To 20, Add</i>	28.04	
<i>For &gt;20 To 40, Add</i>	14.90	
<i>For &gt;75 To 100, Deduct</i>	-7.45	
<i>For &gt;100 To 200, Deduct</i>	-15.78	
<i>For &gt;200, Deduct</i>	-23.22	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	
07 52 16 12-0011 SQ 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	231.18	
<i>For Up To 10, Add</i>	53.25	
<i>For &gt;10 To 20, Add</i>	28.38	
<i>For &gt;20 To 40, Add</i>	15.07	
<i>For &gt;75 To 100, Deduct</i>	-7.53	
<i>For &gt;100 To 200, Deduct</i>	-15.94	
<i>For &gt;200, Deduct</i>	-23.48	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	
07 52 16 12-0012 SQ 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	262.32	
<i>For Up To 10, Add</i>	59.48	
<i>For &gt;10 To 20, Add</i>	31.49	
<i>For &gt;20 To 40, Add</i>	16.62	
<i>For &gt;75 To 100, Deduct</i>	-8.31	
<i>For &gt;100 To 200, Deduct</i>	-17.50	
<i>For &gt;200, Deduct</i>	-25.81	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	
07 52 16 12-0013 SQ 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	267.51	
<i>For Up To 10, Add</i>	60.52	
<i>For &gt;10 To 20, Add</i>	32.01	
<i>For &gt;20 To 40, Add</i>	16.88	
<i>For &gt;75 To 100, Deduct</i>	-8.44	
<i>For &gt;100 To 200, Deduct</i>	-17.76	
<i>For &gt;200, Deduct</i>	-26.20	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	
07 52 16 12-0014 SQ 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	312.91	
<i>For Up To 10, Add</i>	69.60	
<i>For &gt;10 To 20, Add</i>	36.55	
<i>For &gt;20 To 40, Add</i>	19.15	
<i>For &gt;75 To 100, Deduct</i>	-9.58	
<i>For &gt;100 To 200, Deduct</i>	-20.03	
<i>For &gt;200, Deduct</i>	-29.61	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	
07 52 16 12-0015 SQ 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	395.63	
<i>For Up To 10, Add</i>	86.14	
<i>For &gt;10 To 20, Add</i>	44.83	
<i>For &gt;20 To 40, Add</i>	23.29	
<i>For &gt;75 To 100, Deduct</i>	-11.64	
<i>For &gt;100 To 200, Deduct</i>	-24.17	
<i>For &gt;200, Deduct</i>	-35.81	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	
07 52 16 12-0016 SQ 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	233.44	
<i>For Up To 10, Add</i>	53.70	
<i>For &gt;10 To 20, Add</i>	28.61	
<i>For &gt;20 To 40, Add</i>	15.18	
<i>For &gt;75 To 100, Deduct</i>	-7.59	
<i>For &gt;100 To 200, Deduct</i>	-16.06	
<i>For &gt;200, Deduct</i>	-23.65	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	
07 52 16 12-0017 SQ 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	241.56	
<i>For Up To 10, Add</i>	55.33	
<i>For &gt;10 To 20, Add</i>	29.42	
<i>For &gt;20 To 40, Add</i>	15.59	
<i>For &gt;75 To 100, Deduct</i>	-7.79	
<i>For &gt;100 To 200, Deduct</i>	-16.46	
<i>For &gt;200, Deduct</i>	-24.26	
<i>For Factory Applied White Reflective Surfacing, Add</i>	97.32	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 52 16 12-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	285.67
		<i>For Up To 10, Add</i> .....	64.15
		<i>For &gt;10 To 20, Add</i> .....	33.83
		<i>For &gt;20 To 40, Add</i> .....	17.79
		<i>For &gt;75 To 100, Deduct</i> .....	-8.90
		<i>For &gt;100 To 200, Deduct</i> .....	-18.67
		<i>For &gt;200, Deduct</i> .....	-27.56
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	97.32
07 52 16 12-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	286.71
		<i>For Up To 10, Add</i> .....	64.36
		<i>For &gt;10 To 20, Add</i> .....	33.93
		<i>For &gt;20 To 40, Add</i> .....	17.84
		<i>For &gt;75 To 100, Deduct</i> .....	-8.92
		<i>For &gt;100 To 200, Deduct</i> .....	-18.72
		<i>For &gt;200, Deduct</i> .....	-27.64
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	97.32
07 52 16 12-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	306.42
		<i>For Up To 10, Add</i> .....	68.30
		<i>For &gt;10 To 20, Add</i> .....	35.90
		<i>For &gt;20 To 40, Add</i> .....	18.83
		<i>For &gt;75 To 100, Deduct</i> .....	-9.41
		<i>For &gt;100 To 200, Deduct</i> .....	-19.71
		<i>For &gt;200, Deduct</i> .....	-29.12
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	97.32

**07 52 16 12-0021 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing** (07 52 16 12-0001)

07 52 16 12-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.29
07 52 16 12-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	3.92
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.97
07 52 16 12-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	3.96
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.97
07 52 16 12-0025	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.27
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.97
07 52 16 12-0026	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.32
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.97
07 52 16 12-0027	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.77
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.97
07 52 16 12-0028	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	5.60
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.97
07 52 16 12-0029	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	3.98
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.97
07 52 16 12-0030	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.06
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.97
07 52 16 12-0031	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.43
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.97
07 52 16 12-0032	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.71
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.97
07 52 16 12-0033	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	6.32
07 52 16 12-0034	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	12.15

**07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing** (07 52 16)**07 52 16 13-0001 Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing** (07 52 16 13)

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

**07 52 16 13-0002 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets** (07 52 16 13-0001)

07 52 16 13-0003	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	244.22
		<i>For Up To 10, Add</i> .....	58.25
		<i>For &gt;10 To 20, Add</i> .....	31.48
		<i>For &gt;20 To 40, Add</i> .....	16.91
		<i>For &gt;75 To 100, Deduct</i> .....	-8.46
		<i>For &gt;100 To 200, Deduct</i> .....	-18.09
		<i>For &gt;200, Deduct</i> .....	-26.55
07 52 16 13-0004	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	219.05
		<i>For Up To 10, Add</i> .....	53.22
		<i>For &gt;10 To 20, Add</i> .....	28.96
		<i>For &gt;20 To 40, Add</i> .....	15.66
		<i>For &gt;75 To 100, Deduct</i> .....	-7.83
		<i>For &gt;100 To 200, Deduct</i> .....	-16.83
		<i>For &gt;200, Deduct</i> .....	-24.66
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	97.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0005 SQ 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	248.63	
For Up To 10, Add	59.13	
For >10 To 20, Add	31.92	
For >20 To 40, Add	17.13	
For >75 To 100, Deduct	-8.57	
For >100 To 200, Deduct	-18.31	
For >200, Deduct	-26.88	
For Factory Applied White Reflective Surfacing, Add	97.32	
07 52 16 13-0006 SQ 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	382.72	
For Up To 10, Add	85.95	
For >10 To 20, Add	45.33	
For >20 To 40, Add	23.84	
For >75 To 100, Deduct	-11.92	
For >100 To 200, Deduct	-25.01	
For >200, Deduct	-36.93	
For Factory Applied White Reflective Surfacing, Add	97.32	
07 52 16 13-0007 SQ 150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	227.51	
For Up To 10, Add	54.91	
For >10 To 20, Add	29.81	
For >20 To 40, Add	16.08	
For >75 To 100, Deduct	-8.04	
For >100 To 200, Deduct	-17.25	
For >200, Deduct	-25.29	
For Factory Applied White Reflective Surfacing, Add	97.32	
07 52 16 13-0008 SQ 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	262.38	
For Up To 10, Add	61.88	
For >10 To 20, Add	33.29	
For >20 To 40, Add	17.82	
For >75 To 100, Deduct	-8.91	
For >100 To 200, Deduct	-19.00	
For >200, Deduct	-27.91	
For Factory Applied White Reflective Surfacing, Add	97.32	
07 52 16 13-0009 SQ 165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	273.78	
For Up To 10, Add	64.37	
For >10 To 20, Add	34.59	
For >20 To 40, Add	18.49	
For >75 To 100, Deduct	-9.25	
For >100 To 200, Deduct	-19.70	
For >200, Deduct	-28.94	
For Factory Applied White Reflective Surfacing, Add	97.32	
07 52 16 13-0010 SQ 180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	355.17	
For Up To 10, Add	80.64	
For >10 To 20, Add	42.72	
For >20 To 40, Add	22.56	
For >75 To 100, Deduct	-11.28	
For >100 To 200, Deduct	-23.76	
For >200, Deduct	-35.05	
For Factory Applied White Reflective Surfacing, Add	97.32	
<b>07 52 16 13-0011 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing</b> <small>(07 52 16 13-0001)</small>		
07 52 16 13-0012 SF 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	3.45	
07 52 16 13-0013 SF 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	3.43	
For Factory Applied White Reflective Surfacing, Add	0.97	
07 52 16 13-0014 SF 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	4.77	
For Factory Applied White Reflective Surfacing, Add	0.97	
07 52 16 13-0015 SF 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	3.60	
For Factory Applied White Reflective Surfacing, Add	0.97	
07 52 16 13-0016 SF 165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	3.67	
For Factory Applied White Reflective Surfacing, Add	0.97	
07 52 16 13-0017 SF 180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	4.49	
For Factory Applied White Reflective Surfacing, Add	0.97	
07 52 16 13-0018 SF 150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	4.67	
07 52 16 13-0019 SF 160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	11.32	
<b>07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing</b> <small>(07 52 16)</small>		
07 52 16 14-0001 Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing <small>(07 52 16 14)</small>		
Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 16 14-0002 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets <small>(07 52 16 14-0001)</small>		

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 14-0003 SQ 35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened .....	153.18	
For Up To 10, Add	33.77	
For >10 To 20, Add	17.67	
For >20 To 40, Add	9.23	
For >75 To 100, Deduct	-4.61	
For >100 To 200, Deduct	-9.62	
For >200, Deduct	-14.23	
07 52 16 14-0004 SQ 50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened .....	117.68	
For Up To 10, Add	26.67	
For >10 To 20, Add	14.12	
For >20 To 40, Add	7.45	
For >75 To 100, Deduct	-3.73	
For >100 To 200, Deduct	-7.84	
For >200, Deduct	-11.57	
07 52 16 14-0005 SQ 80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened .....	152.63	
For Up To 10, Add	33.66	
For >10 To 20, Add	17.61	
For >20 To 40, Add	9.20	
For >75 To 100, Deduct	-4.60	
For >100 To 200, Deduct	-9.59	
For >200, Deduct	-14.19	
07 52 16 14-0006 SQ 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened .....	191.24	
For Up To 10, Add	41.38	
For >10 To 20, Add	21.47	
For >20 To 40, Add	11.13	
For >75 To 100, Deduct	-5.56	
For >100 To 200, Deduct	-11.52	
For >200, Deduct	-17.08	
07 52 16 14-0007 SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened .....	240.27	
For Up To 10, Add	51.19	
For >10 To 20, Add	26.38	
For >20 To 40, Add	13.58	
For >75 To 100, Deduct	-6.79	
For >100 To 200, Deduct	-13.97	
For >200, Deduct	-20.76	
<b>07 52 16 14-0008 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing</b> <small>(07 52 16 14-0001)</small>		
07 52 16 14-0009 SF 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened .....	2.98	
07 52 16 14-0010 SF 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened .....	3.05	
<b>07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing</b> <small>(07 52 16)</small>		
07 52 16 15-0001 Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing <small>(07 52 16 15)</small>		
Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.		
07 52 16 15-0002 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 16 15-0001)</small>		
07 52 16 15-0003 SQ 60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering .....	122.50	
For Up To 10, Add	28.26	
For >10 To 20, Add	15.07	
For >20 To 40, Add	8.01	
For >75 To 100, Deduct	-4.00	
For >100 To 200, Deduct	-8.48	
For >200, Deduct	-12.48	
07 52 16 15-0004 SQ 70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering .....	129.86	
For Up To 10, Add	29.73	
For >10 To 20, Add	15.81	
For >20 To 40, Add	8.37	
For >75 To 100, Deduct	-4.19	
For >100 To 200, Deduct	-8.84	
For >200, Deduct	-13.03	
07 52 16 15-0005 SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering .....	219.69	
For Up To 10, Add	47.98	
For >10 To 20, Add	25.00	
For >20 To 40, Add	13.01	
For >75 To 100, Deduct	-6.50	
For >100 To 200, Deduct	-13.51	
For >200, Deduct	-20.02	
07 52 16 15-0006 SQ 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering .....	262.81	
For Up To 10, Add	56.61	
For >10 To 20, Add	29.31	
For >20 To 40, Add	15.16	
For >75 To 100, Deduct	-7.58	
For >100 To 200, Deduct	-15.67	
For >200, Deduct	-23.25	
For Factory Applied White Reflective Surfacing, Add	97.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 15-0007 SQ 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering .....	389.95	
For Up To 10, Add	82.03	
For >10 To 20, Add	42.03	
For >20 To 40, Add	21.52	
For >75 To 100, Deduct	-10.76	
For >100 To 200, Deduct	-22.03	
For >200, Deduct	-32.78	
For Factory Applied White Reflective Surfacing, Add	97.32	
<b>07 52 16 15-0008 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing</b>		
<b>Flashing</b> <small>(07 52 16 15-0001)</small>		
07 52 16 15-0009 SF 70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering.....	3.42	
07 52 16 15-0010 SF 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering.....	3.84	
For Factory Applied White Reflective Surfacing, Add	0.97	
07 52 16 15-0011 SF 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering.....	5.11	
For Factory Applied White Reflective Surfacing, Add	0.97	
<b>07 53 Elastomeric Membrane Roofing</b> <small>(07 50)</small>		
Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.		
<b>07 53 16 Chlorosulfonate-Polyethylene Roofing</b> <small>(07 53)</small>		
<b>07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes</b> <small>(07 53 16)</small>		
Note: Includes hot air welding or adhesive bonding of seams.		
07 53 16 00-0002 SQ 45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered .....	529.74	75.23
Note: Includes adhesive.		
For Up To 10, Add	136.04	
For >10 To 20, Add	75.54	
For >20 To 40, Add	41.53	
For >75 To 100, Deduct	-20.77	
For >100 To 200, Deduct	-45.30	
For >200, Deduct	-66.06	
For 15 Year Warranty, Add	3.00	
07 53 16 00-0003 SQ 45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted .....	407.22	37.62
Note: Includes ballast.		
For Up To 10, Add	96.49	
For >10 To 20, Add	52.01	
For >20 To 40, Add	27.88	
For >75 To 100, Deduct	-13.94	
For >100 To 200, Deduct	-29.76	
For >200, Deduct	-43.71	
For 15 Year Warranty, Add	3.00	
07 53 16 00-0004 SQ 45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened.....	430.22	56.43
Note: Includes fasteners.		
For Up To 10, Add	108.61	
For >10 To 20, Add	59.95	
For >20 To 40, Add	32.80	
For >75 To 100, Deduct	-16.40	
For >100 To 200, Deduct	-35.62	
For >200, Deduct	-52.02	
For 15 Year Warranty, Add	3.00	
<b>07 53 23 Ethylene-Propylene-Diene-Monomer Roofing</b> <small>(07 53)</small>		
<b>07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes</b> <small>(07 53 23)</small>		
Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).		
07 53 23 00-0002 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted.....	211.49	37.62
Note: Includes ballast.		
For Up To 10, Add	57.34	
For >10 To 20, Add	32.43	
For >20 To 40, Add	18.10	
For >75 To 100, Deduct	-9.05	
For >100 To 200, Deduct	-19.98	
For >200, Deduct	-29.03	
For 15 Year Warranty, Add	3.00	
For Low Slope Fire Rated, Add	7.82	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.29	
07 53 23 00-0003 SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted.....	236.64	39.97
Note: Includes ballast.		
For Up To 10, Add	63.31	
For >10 To 20, Add	35.65	
For >20 To 40, Add	19.83	
For >75 To 100, Deduct	-9.91	
For >100 To 200, Deduct	-21.82	
For >200, Deduct	-31.74	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Low Slope Fire Rated, Add	7.82	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.29	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0004	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted .....	347.57	42.32
			Note: Includes ballast.		
			For Up To 10, Add	86.44	
			For >10 To 20, Add	47.45	
			For >20 To 40, Add	25.84	
			For >75 To 100, Deduct	-12.92	
			For >100 To 200, Deduct	-27.96	
			For >200, Deduct	-40.88	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	7.82	
07 53 23 00-0005	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) .....	246.84	56.43
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	71.94	
			For >10 To 20, Add	41.61	
			For >20 To 40, Add	23.63	
			For >75 To 100, Deduct	-11.81	
			For >100 To 200, Deduct	-26.45	
			For >200, Deduct	-38.26	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	7.82	
			For Low VOC Adhesive, Add	41.04	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.29	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	74.62	
			For Integral Polyester Fleece-Backing, Add	112.93	
07 53 23 00-0006	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) .....	271.98	58.78
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	77.91	
			For >10 To 20, Add	44.83	
			For >20 To 40, Add	25.35	
			For >75 To 100, Deduct	-12.68	
			For >100 To 200, Deduct	-28.29	
			For >200, Deduct	-40.97	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	7.82	
			For Low VOC Adhesive, Add	41.04	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.29	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	74.62	
			For Integral Polyester Fleece-Backing, Add	124.39	
07 53 23 00-0007	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) .....	382.92	61.13
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	101.04	
			For >10 To 20, Add	56.63	
			For >20 To 40, Add	31.37	
			For >75 To 100, Deduct	-15.69	
			For >100 To 200, Deduct	-34.43	
			For >200, Deduct	-50.11	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	7.82	
			For Low VOC Adhesive, Add	41.04	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	74.62	
			For Integral Polyester Fleece-Backing, Add	136.90	
07 53 23 00-0008	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	325.87	75.23
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	95.27	
			For >10 To 20, Add	55.16	
			For >20 To 40, Add	31.34	
			For >75 To 100, Deduct	-15.67	
			For >100 To 200, Deduct	-35.10	
			For >200, Deduct	-50.77	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	7.82	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.29	
			For Low VOC Adhesive, Add	102.60	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	74.62	
			For Integral Polyester Fleece-Backing, Add	112.93	
07 53 23 00-0009	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	351.02	77.58
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	101.24	
			For >10 To 20, Add	58.38	
			For >20 To 40, Add	33.07	
			For >75 To 100, Deduct	-16.53	
			For >100 To 200, Deduct	-36.95	
			For >200, Deduct	-53.48	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	7.82	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.29	
			For Low VOC Adhesive, Add	102.60	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	74.62	
			For Integral Polyester Fleece-Backing, Add	124.39	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0010 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	461.95	79.93
Note: Includes adhesive and fasteners.		
For Up To 10, Add	124.37	
For >10 To 20, Add	70.18	
For >20 To 40, Add	39.09	
For >75 To 100, Deduct	-19.54	
For >100 To 200, Deduct	-43.08	
For >200, Deduct	-62.63	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Low Slope Fire Rated, Add	7.82	
For Low VOC Adhesive, Add	102.60	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	74.62	
For Integral Polyester Fleece-Backing, Add	136.90	
07 53 23 00-0011 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened .....	234.27	56.43
Note: Includes fasteners.		
For Up To 10, Add	69.42	
For >10 To 20, Add	40.35	
For >20 To 40, Add	23.00	
For >75 To 100, Deduct	-11.50	
For >100 To 200, Deduct	-25.82	
For >200, Deduct	-37.32	
For 15 Year Warranty, Add	3.00	
For Low Slope Fire Rated, Add	7.82	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.29	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	74.62	
07 53 23 00-0012 SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened .....	259.41	58.78
Note: Includes fasteners.		
For Up To 10, Add	75.39	
For >10 To 20, Add	43.57	
For >20 To 40, Add	24.73	
For >75 To 100, Deduct	-12.36	
For >100 To 200, Deduct	-27.66	
For >200, Deduct	-40.03	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Low Slope Fire Rated, Add	7.82	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.29	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	74.62	
07 53 23 00-0013 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened .....	370.35	61.13
Note: Includes fasteners.		
For Up To 10, Add	98.52	
For >10 To 20, Add	55.37	
For >20 To 40, Add	30.74	
For >75 To 100, Deduct	-15.37	
For >100 To 200, Deduct	-33.80	
For >200, Deduct	-49.17	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Low Slope Fire Rated, Add	7.82	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	74.62	
<b>07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories</b> <small>(07 53 23)</small>		
07 53 23 00-0015 SQ Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat .....	64.56	
For Up To 10, Add	16.67	
For >10 To 20, Add	9.28	
For >20 To 40, Add	5.11	
For >75 To 100, Deduct	-2.55	
For >100 To 200, Deduct	-5.58	
For >200, Deduct	-8.13	
07 53 23 00-0016 SQ Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat .....	66.84	
Note: 55% solids by volume.		
For Up To 10, Add	17.13	
For >10 To 20, Add	9.51	
For >20 To 40, Add	5.22	
For >75 To 100, Deduct	-2.61	
For >100 To 200, Deduct	-5.69	
For >200, Deduct	-8.30	
07 53 23 00-0017 EA Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	40.08	8.93
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0018 EA >4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	58.14	8.93
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0019 EA >8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	110.24	8.93
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0020 EA 6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket .....	146.59	9.88
Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 53 23 00-0021 LF 30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad .....	31.46	5.46
Note: Includes factory installed peel and stick adhesive tape.		
07 53 23 00-0022 SF Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing.....	5.91	1.41

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0023	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing .....	7.31	2.12
<b>07 53 29</b>			<b>Polyisobutylene Roofing</b> <small>(07 53)</small>		
<b>07 53 29 00-0001</b>			<b>Polyisobutylene (PIB) Roofing Membranes</b> <small>(07 53 29)</small>		
			Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.		
07 53 29 00-0002	SQ		100 Mil, Single Ply PIB Roofing Membrane, Ballasted.....	474.37	42.32
			Note: Includes ballast.		
			For Up To 10, Add	111.80	
			For >10 To 20, Add	60.13	
			For >20 To 40, Add	32.18	
			For >75 To 100, Deduct	-16.09	
			For >100 To 200, Deduct	-34.30	
			For >200, Deduct	-50.39	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
07 53 29 00-0003	SQ		100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%).....	527.04	61.13
			Note: Includes adhesive.		
			For Up To 10, Add	129.86	
			For >10 To 20, Add	71.04	
			For >20 To 40, Add	38.58	
			For >75 To 100, Deduct	-19.29	
			For >100 To 200, Deduct	-41.63	
			For >200, Deduct	-60.92	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
07 53 29 00-0004	SQ		100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered .....	632.06	79.93
			Note: Includes adhesive.		
			For Up To 10, Add	158.39	
			For >10 To 20, Add	87.19	
			For >20 To 40, Add	47.59	
			For >75 To 100, Deduct	-23.80	
			For >100 To 200, Deduct	-51.59	
			For >200, Deduct	-75.38	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
<b>07 54</b>			<b>Thermoplastic Membrane Roofing</b> <small>(07 50)</small>		
			Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.		
<b>07 54 19</b>			<b>Polyvinyl-Chloride Roofing</b> <small>(07 54)</small>		
<b>07 54 19 00-0001</b>			<b>Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (Sika Sarnafil® EnergySmart Roof® Membranes)</b> <small>(07 54 19)</small>		
<b>07 54 19 00-0002</b>			<b>Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (Sika Sarnafil® EnergySmart Roof® Membranes)</b> <small>(07 54 19 00-0001)</small>		
			Note: Includes integral fiberglass mat reinforcement and hot air welding of seams. Sarnafil® G410 fully adhered membranes meet or exceed all of the requirements of ASTM D4434 Type II. Sarnafil® S327 mechanically attached membranes meet or exceed all of the requirements of ASTM D4434 Type III.		
07 54 19 00-0003	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered .....	279.12	75.23
			Note: Includes adhesive.		
			For Up To 10, Add	85.92	
			For >10 To 20, Add	50.48	
			For >20 To 40, Add	29.00	
			For >75 To 100, Deduct	-14.50	
			For >100 To 200, Deduct	-32.76	
			For >200, Deduct	-47.27	
			For 15 Year Warranty, Add	1.40	
			For 20 Year Warranty, Add	4.91	
			For 25 Year Warranty, Add	9.12	
			For Integral Felt Backing, Add	24.54	
07 54 19 00-0004	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered .....	296.49	77.58
			Note: Includes adhesive.		
			For Up To 10, Add	90.33	
			For >10 To 20, Add	52.92	
			For >20 To 40, Add	30.34	
			For >75 To 100, Deduct	-15.17	
			For >100 To 200, Deduct	-34.22	
			For >200, Deduct	-49.39	
			For 15 Year Warranty, Add	1.40	
			For 20 Year Warranty, Add	4.91	
			For 25 Year Warranty, Add	9.12	
			For Integral Felt Backing, Add	24.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0005 SQ 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered .....	312.30	78.76
Note: Includes adhesive.		
<i>For Up To 10, Add</i>	93.96	
<i>For &gt;10 To 20, Add</i>	54.86	
<i>For &gt;20 To 40, Add</i>	31.37	
<i>For &gt;75 To 100, Deduct</i>	-15.68	
<i>For &gt;100 To 200, Deduct</i>	-35.31	
<i>For &gt;200, Deduct</i>	-50.99	
<i>For 15 Year Warranty, Add</i>	1.40	
<i>For 20 Year Warranty, Add</i>	4.91	
<i>For 25 Year Warranty, Add</i>	9.12	
<i>For Integral Felt Backing, Add</i>	24.54	
07 54 19 00-0006 SQ 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered .....	328.90	79.93
Note: Includes adhesive.		
<i>For Up To 10, Add</i>	97.76	
<i>For &gt;10 To 20, Add</i>	56.87	
<i>For &gt;20 To 40, Add</i>	32.43	
<i>For &gt;75 To 100, Deduct</i>	-16.22	
<i>For &gt;100 To 200, Deduct</i>	-36.43	
<i>For &gt;200, Deduct</i>	-52.65	
<i>For 15 Year Warranty, Add</i>	1.40	
<i>For 20 Year Warranty, Add</i>	4.91	
<i>For 25 Year Warranty, Add</i>	9.12	
<i>For Integral Felt Backing, Add</i>	24.54	
07 54 19 00-0007 SQ 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened.....	221.29	56.43
Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
<i>For Up To 10, Add</i>	66.83	
<i>For &gt;10 To 20, Add</i>	39.06	
<i>For &gt;20 To 40, Add</i>	22.35	
<i>For &gt;75 To 100, Deduct</i>	-11.17	
<i>For &gt;100 To 200, Deduct</i>	-25.17	
<i>For &gt;200, Deduct</i>	-36.35	
<i>For 15 Year Warranty, Add</i>	1.40	
<i>For 20 Year Warranty, Add</i>	4.91	
<i>For 25 Year Warranty, Add</i>	9.12	
<i>For Mechanically Fastened To Concrete Decks, Add</i>	28.21	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add</i>	29.39	
<i>For Integral Felt Backing, Add</i>	24.54	
<i>For Mechanically Fastened With Sarnabar, Add</i>	14.41	
07 54 19 00-0008 SQ 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened.....	238.65	58.78
Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
<i>For Up To 10, Add</i>	71.24	
<i>For &gt;10 To 20, Add</i>	41.50	
<i>For &gt;20 To 40, Add</i>	23.69	
<i>For &gt;75 To 100, Deduct</i>	-11.84	
<i>For &gt;100 To 200, Deduct</i>	-26.63	
<i>For &gt;200, Deduct</i>	-38.47	
<i>For 15 Year Warranty, Add</i>	1.40	
<i>For 20 Year Warranty, Add</i>	4.91	
<i>For 25 Year Warranty, Add</i>	9.12	
<i>For Mechanically Fastened To Concrete Decks, Add</i>	29.39	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add</i>	30.57	
<i>For Integral Felt Backing, Add</i>	24.54	
<i>For Mechanically Fastened With Sarnabar, Add</i>	14.41	
07 54 19 00-0009 SQ 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened.....	254.46	59.95
Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
<i>For Up To 10, Add</i>	74.87	
<i>For &gt;10 To 20, Add</i>	43.43	
<i>For &gt;20 To 40, Add</i>	24.71	
<i>For &gt;75 To 100, Deduct</i>	-12.36	
<i>For &gt;100 To 200, Deduct</i>	-27.71	
<i>For &gt;200, Deduct</i>	-40.07	
<i>For 15 Year Warranty, Add</i>	1.40	
<i>For 20 Year Warranty, Add</i>	4.91	
<i>For 25 Year Warranty, Add</i>	9.12	
<i>For Mechanically Fastened To Concrete Decks, Add</i>	29.98	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add</i>	31.16	
<i>For Integral Felt Backing, Add</i>	24.54	
<i>For Mechanically Fastened With Sarnabar, Add</i>	14.41	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 54 19 00-0010	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened.....	271.07	61.13
		Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
		For Up To 10, Add	78.67	
		For >10 To 20, Add	45.45	
		For >20 To 40, Add	25.78	
		For >75 To 100, Deduct	-12.89	
		For >100 To 200, Deduct	-28.84	
		For >200, Deduct	-41.73	
		For 15 Year Warranty, Add	1.40	
		For 20 Year Warranty, Add	4.91	
		For 25 Year Warranty, Add	9.12	
		For Mechanically Fastened To Concrete Decks, Add	30.57	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	31.75	
		For Integral Felt Backing, Add	24.54	
		For Mechanically Fastened With Sarnabar, Add	14.41	
07 54 19 00-0011		<b>Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories</b> <b>(Sika Sarnafil® EnergySmart Roof® Membranes)</b> (07 54 19 00-0001)		
07 54 19 00-0012	SQ	Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat.....	64.56	
		For Up To 10, Add	16.67	
		For >10 To 20, Add	9.28	
		For >20 To 40, Add	5.11	
		For >75 To 100, Deduct	-2.55	
		For >100 To 200, Deduct	-5.58	
		For >200, Deduct	-8.13	
07 54 19 00-0013	SQ	Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat.....	66.84	
		Note: 55% solids by volume.		
		For Up To 10, Add	17.13	
		For >10 To 20, Add	9.51	
		For >20 To 40, Add	5.22	
		For >75 To 100, Deduct	-2.61	
		For >100 To 200, Deduct	-5.69	
		For >200, Deduct	-8.30	
07 54 19 00-0014	LF	3/4" Wide Multi-Purpose Tape (Sika Sarnafil®).....	0.71	
07 54 19 00-0015	LF	Roofing Membrane Aluminum Termination Bar (Sika Sarnafil® Sarnastop).....	3.51	1.35
		Note: Includes fasteners and caulking.		
07 54 19 00-0016	EA	4-1/2" Diameter, Polyvinyl Chloride (PVC) Membrane Prefabricated Patch (Sika Sarnafil® Sarnacircles).....	3.39	1.17
07 54 19 00-0017	LF	8" Polyvinyl Chloride (PVC) Membrane Cover Strip (Sika Sarnafil® Coverstrip).....	3.60	1.17
		Note: Includes aluminum tape.		
07 54 19 00-0018	LF	12" Polyvinyl Chloride (PVC) Membrane Cover Strip (Sika Sarnafil® Coverstrip).....	3.60	1.17
		Note: Includes aluminum tape.		
07 54 19 00-0019	LF	Surface Mount Vertical Termination Bar (Sika Sarnafil® Sarnareglet).....	4.71	1.47
		Note: Includes fasteners, splice plates and caulking.		
07 54 19 00-0020	SF	Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® G459).....	4.81	1.41
07 54 19 00-0021	SF	Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Detail Membrane).....	6.20	2.12
07 54 19 00-0022	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing (Sika Sarnafil® Sarnaclad).....	6.34	1.41
		Note: 20 Mil white polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		
		For Colored PVC, Add	0.51	
07 54 19 00-0023	LF	39" Wide, 96 Mil, Polyester Reinforced, Polyvinyl Chloride (PVC) Walkway Protection Pad (Sika Sarnafil® Sarnatred -V).....	18.73	5.46
07 54 19 00-0024	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack).....	43.72	7.99
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0025	EA	>3" To 5" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack).....	45.61	8.93
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0026	EA	>5" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack).....	47.49	9.88
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0027	EA	6" Diameter, Seamless Heavy-Duty Aluminum Roof Drain (Sika Sarnafil® Sarnadrain With U-Flow®).....	727.01	195.28
07 54 19 00-0028	EA	Inside Corner, Prefabricated Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Sarnacorners - Inside).....	14.24	
07 54 19 00-0029	EA	Outside Corner, Prefabricated Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Sarnacorners - Outside).....	14.24	
07 54 19 00-0030	SQ	9 OZ/SY, Protective Polypropylene Fabric Separation Layer (Sika Sarnafil® Sarnafelt NWP), Loose Laid.....	29.67	
07 54 19 00-0031	SQ	11 OZ/SY, Protective Polypropylene Fabric Separation Layer (Sika Sarnafil® Sarnafelt), Loose Laid.....	43.48	
07 54 19 00-0032	SQ	10 Mil, Low Density Polyethylene, Vapor/Air Barrier Sheet (Sika Sarnafil® Sarnavap - 10), Loose Laid.....	26.54	
07 54 19 00-0033	SQ	32 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Vapor/Air Barrier Sheet (Sika Sarnafil® Sarnavap Self-Adhered), Self-Adhering.....	69.62	
07 54 19 00-0034		<b>Snap-On Cover Fascia (Sika Sarnafil® Edge Grip)</b> (07 54 19 00-0001)		
07 54 19 00-0035		<b>Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar</b> <b>(Sika Sarnafil® Edge Grip)</b> (07 54 19 00-0034)		
07 54 19 00-0036		<b>Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous</b> <b>Retainer Bar (Sika Sarnafil® Edge Grip)</b> (07 54 19 00-0035)		
07 54 19 00-0037		<b>Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous</b> <b>Retainer Bar (Sika Sarnafil® Edge Grip)</b> (07 54 19 00-0036)		
07 54 19 00-0038	LF	8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip).....	11.09	2.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 54 19 00-0039</b> Accessories For Mill Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 54 19 00-0036)</small>		
07 54 19 00-0040 EA Fascia Overflow Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	62.17	9.81
07 54 19 00-0041 EA Fascia Spillout Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	62.17	9.81
07 54 19 00-0042 EA Fascia Downspout Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	73.75	9.81
07 54 19 00-0043 EA Inside/Outside Miter For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	26.79	2.64
<b>07 54 19 00-0044</b> KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) <small>(07 54 19 00-0035)</small>		
<b>07 54 19 00-0045</b> KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) <small>(07 54 19 00-0044)</small>		
07 54 19 00-0046 LF 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) .....	12.43	2.64
<b>07 54 19 00-0047</b> Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 54 19 00-0044)</small>		
07 54 19 00-0048 EA Fascia Overflow Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	64.84	9.81
07 54 19 00-0049 EA Fascia Spillout Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	64.84	9.81
07 54 19 00-0050 EA Fascia Downspout Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	79.09	9.81
07 54 19 00-0051 EA Inside/Outside Miter For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	29.47	2.64
<b>07 54 19 00-0052</b> Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) <small>(07 54 19 00-0034)</small>		
<b>07 54 19 00-0053</b> KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) <small>(07 54 19 00-0052)</small>		
<b>07 54 19 00-0054</b> KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) <small>(07 54 19 00-0053)</small>		
07 54 19 00-0055 LF 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) .....	11.40	2.64
<b>07 54 19 00-0056</b> Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) <small>(07 54 19 00-0053)</small>		
07 54 19 00-0057 EA Fascia Overflow Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	62.79	9.81
07 54 19 00-0058 EA Fascia Spillout Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	62.79	9.81
07 54 19 00-0059 EA Fascia Downspout Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	74.98	9.81
07 54 19 00-0060 EA Inside/Outside Miter For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) .....	27.41	2.64
<b>07 54 19 00-0061</b> Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes <small>(07 54 19)</small> Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.		
07 54 19 00-0062 SQ 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	204.86	37.62
Note: Includes ballast.		
For Up To 10, Add	56.02	
For >10 To 20, Add	31.77	
For >20 To 40, Add	17.77	
For >75 To 100, Deduct	-8.88	
For >100 To 200, Deduct	-19.65	
For >200, Deduct	-28.53	
For 15 Year Warranty, Add	3.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	37.92	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 54 19 00-0063	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	229.39	39.97
		Note: Includes ballast.		
		For Up To 10, Add	61.86	
		For >10 To 20, Add	34.93	
		For >20 To 40, Add	19.46	
		For >75 To 100, Deduct	-9.73	
		For >100 To 200, Deduct	-21.46	
		For >200, Deduct	-31.19	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	37.92	
07 54 19 00-0064	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	257.09	41.14
		Note: Includes ballast.		
		For Up To 10, Add	67.87	
		For >10 To 20, Add	38.05	
		For >20 To 40, Add	21.08	
		For >75 To 100, Deduct	-10.54	
		For >100 To 200, Deduct	-23.14	
		For >200, Deduct	-33.68	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	37.92	
07 54 19 00-0065	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	270.47	42.32
		Note: Includes ballast.		
		For Up To 10, Add	71.02	
		For >10 To 20, Add	39.74	
		For >20 To 40, Add	21.99	
		For >75 To 100, Deduct	-10.99	
		For >100 To 200, Deduct	-24.10	
		For >200, Deduct	-35.10	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	37.92	

**07 54 23 Thermoplastic-Polyolefin Roofing (07 54)****07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes (07 54 23)**

Note: Includes polyester fabric reinforcement and hot air welding of seams.

07 54 23 00-0002	SQ	45 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	306.95	75.23
		Note: Includes adhesive.		
		For Up To 10, Add	91.48	
		For >10 To 20, Add	53.27	
		For >20 To 40, Add	30.39	
		For >75 To 100, Deduct	-15.20	
		For >100 To 200, Deduct	-34.16	
		For >200, Deduct	-49.35	
		For 15 Year Warranty, Add	3.00	
		For Low VOC Adhesive, Add	102.60	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0003	SQ	50 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	319.84	76.41
		Note: Includes adhesive.		
		For Up To 10, Add	94.53	
		For >10 To 20, Add	54.91	
		For >20 To 40, Add	31.27	
		For >75 To 100, Deduct	-15.64	
		For >100 To 200, Deduct	-35.09	
		For >200, Deduct	-50.73	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low VOC Adhesive, Add	102.60	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0004	SQ	60 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	326.89	77.58
		Note: Includes adhesive.		
		For Up To 10, Add	96.41	
		For >10 To 20, Add	55.96	
		For >20 To 40, Add	31.86	
		For >75 To 100, Deduct	-15.93	
		For >100 To 200, Deduct	-35.74	
		For >200, Deduct	-51.67	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low VOC Adhesive, Add	102.60	
		For Integral Polyester Fleece-Backing, Add	33.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0005 SQ 80 Mil, Single Ply TPO Roofing Membrane, Fully Adhered .....	409.87	79.93
Note: Includes adhesive.		
For Up To 10, Add	113.95	
For >10 To 20, Add	64.97	
For >20 To 40, Add	36.48	
For >75 To 100, Deduct	-18.24	
For >100 To 200, Deduct	-40.48	
For >200, Deduct	-58.72	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Low VOC Adhesive, Add	102.60	
For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0006 SQ 45 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened .....	210.98	56.43
Note: Includes fasteners.		
For Up To 10, Add	64.77	
For >10 To 20, Add	38.03	
For >20 To 40, Add	21.83	
For >75 To 100, Deduct	-10.92	
For >100 To 200, Deduct	-24.66	
For >200, Deduct	-35.57	
For 15 Year Warranty, Add	3.00	
For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0007 SQ 50 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened .....	223.87	57.60
Note: Includes fasteners.		
For Up To 10, Add	67.81	
For >10 To 20, Add	39.67	
For >20 To 40, Add	22.71	
For >75 To 100, Deduct	-11.36	
For >100 To 200, Deduct	-25.59	
For >200, Deduct	-36.95	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Integral Polyester Fleece-Backing, Add	33.25	
For Mechanically Fastened To Concrete Decks, Add	28.80	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	29.98	
07 54 23 00-0008 SQ 60 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened .....	230.91	58.78
Note: Includes fasteners.		
For Up To 10, Add	69.69	
For >10 To 20, Add	40.72	
For >20 To 40, Add	23.30	
For >75 To 100, Deduct	-11.65	
For >100 To 200, Deduct	-26.24	
For >200, Deduct	-37.89	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0009 SQ 80 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened .....	313.89	61.13
Note: Includes fasteners.		
For Up To 10, Add	87.23	
For >10 To 20, Add	49.73	
For >20 To 40, Add	27.92	
For >75 To 100, Deduct	-13.96	
For >100 To 200, Deduct	-30.98	
For >200, Deduct	-44.94	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Integral Polyester Fleece-Backing, Add	33.25	
<b>07 54 23 00-0010 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories (07 54 23)</b>		
07 54 23 00-0011 SQ Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat .....	77.14	
For Up To 10, Add	19.19	
For >10 To 20, Add	10.54	
For >20 To 40, Add	5.74	
For >75 To 100, Deduct	-2.87	
For >100 To 200, Deduct	-6.21	
For >200, Deduct	-9.08	
07 54 23 00-0012 SQ Acrylic Elastomeric, Surface Or Base Coating For TPO Roofing, Price Per Coat.....	66.84	
Note: 55% solids by volume.		
For Up To 10, Add	17.13	
For >10 To 20, Add	9.51	
For >20 To 40, Add	5.22	
For >75 To 100, Deduct	-2.61	
For >100 To 200, Deduct	-5.69	
For >200, Deduct	-8.30	
For Tan Or Gray Color, Add	2.40	
07 54 23 00-0013 EA Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin Pipe Cone/Boot.....	58.16	7.99
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0014 EA >3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin Pipe Cone/Boot .....	62.72	8.93
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0015 EA 6" Diameter, Prefabricated TPO Penetration Pocket .....	116.46	9.88
Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0016 LF 30" Wide, TPO Walkway Protection Pad .....	26.45	5.46
07 54 23 00-0017 SF Thermoplastic Polyolefin Membrane Base Flashing .....	7.41	1.41
07 54 23 00-0018 SF Thermoplastic Polyolefin Curb Flashing.....	6.21	1.41
For Tan Or Gray Color, Add	0.10	
07 54 23 00-0019 SF Thermoplastic Polyolefin Clad Edge Metal Or Base Flashing.....	10.99	1.41
Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.		
<b>07 56 Fluid-Applied Roofing (07 50)</b>		
<b>07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats (07 56)</b>		
07 56 00 00-0002 SQ 60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing.....	898.27	125.33
For Each Additional Coat, Add	134.74	
<b>07 56 00 00-0003 Vinyl Spray Liquid Roofing (07 56)</b>		
07 56 00 00-0004 SQ 2 Mil Vinyl Liquid Roofing.....	999.65	132.08
07 56 00 00-0005 SQ 4 Mil Vinyl Liquid Roofing.....	1,118.56	147.51
<b>07 56 00 00-0006 Silicone Elastomeric Liquid Roofing (07 56)</b>		
07 56 00 00-0007 SQ 65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat .....	405.90	75.68
07 56 00 00-0008 SQ 65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat .....	479.25	75.68
07 56 00 00-0009 SQ 65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat .....	534.41	75.68
<b>07 56 00 00-0010 Elastomeric Asphalt/Urethane Liquid Roofing Membrane (07 56)</b>		
07 56 00 00-0011 SQ 90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane .....	1,563.95	75.68
Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.		
<b>07 56 00 00-0012 Urethane Liquid Roofing Membrane (07 56)</b>		
Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.		
07 56 00 00-0013 SQ Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	89.92	
07 56 00 00-0014 LF Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems .....	4.53	
07 56 00 00-0015 SQ White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....	343.57	
07 56 00 00-0016 SQ White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System.....	87.83	
07 56 00 00-0017 SQ White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply .....	851.02	
07 56 00 00-0018 SQ White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	1,288.84	
07 56 00 00-0019 SQ White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	880.51	
07 56 00 00-0020 SQ White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ) .....	225.42	
<b>07 57 Coated Foamed Roofing (07 50)</b>		
<b>07 57 13 Sprayed Polyurethane Foam Roofing (07 57)</b>		
Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.		
07 57 13 00-0001 Sprayed Polyurethane Foam Roofing Systems (07 57 13)		
07 57 13 00-0002 Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating (07 57 13 00-0001)		
07 57 13 00-0003 Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)		
Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0004 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	279.22	45.76
07 57 13 00-0005 SQ 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	332.19	49.02
07 57 13 00-0006 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	385.16	52.29
07 57 13 00-0007 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	501.29	58.83
07 57 13 00-0008 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	596.99	65.36
07 57 13 00-0009 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	702.93	71.90
07 57 13 00-0010 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	808.84	78.43





	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 57 13 00-0011		<b>Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating</b> <small>(07 57 13 00-0002)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0012	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating .....	287.17	45.76
07 57 13 00-0013	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating .....	340.14	49.02
07 57 13 00-0014	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating .....	393.11	52.29
07 57 13 00-0015	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating .....	499.02	58.83
07 57 13 00-0016	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating .....	604.94	65.36
07 57 13 00-0017	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating .....	710.88	71.90
07 57 13 00-0018	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating .....	816.79	78.43
07 57 13 00-0019		<b>Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating</b> <small>(07 57 13 00-0002)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0020	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating .....	306.48	45.76
07 57 13 00-0021	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating .....	357.74	49.02
07 57 13 00-0022	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating .....	409.01	52.29
07 57 13 00-0023	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating .....	514.92	58.83
07 57 13 00-0024	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating .....	663.32	65.36
07 57 13 00-0025	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating .....	777.88	71.90
07 57 13 00-0026	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating .....	892.43	78.43
07 57 13 00-0027		<b>Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating</b> <small>(07 57 13 00-0001)</small>		
07 57 13 00-0028		<b>Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating</b> <small>(07 57 13 00-0027)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0029	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	312.16	45.76
07 57 13 00-0030	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	369.44	49.02
07 57 13 00-0031	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	426.72	52.29
07 57 13 00-0032	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	541.27	58.83
07 57 13 00-0033	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	655.82	65.36
07 57 13 00-0034	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	770.39	71.90
07 57 13 00-0035	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	884.93	78.43
07 57 13 00-0036		<b>Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating</b> <small>(07 57 13 00-0027)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0037	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	323.40	45.76
07 57 13 00-0038	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	380.68	49.02
07 57 13 00-0039	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	437.97	52.29
07 57 13 00-0040	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	552.51	58.83
07 57 13 00-0041	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	667.06	65.36
07 57 13 00-0042	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	781.63	71.90
07 57 13 00-0043	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	896.17	78.43

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 57 Coated Foamed Roofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 57 13 00-0044	<b>Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating</b> <small>(07 57 13 00-0027)</small>			
	Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.			
07 57 13 00-0045	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	332.15	45.76
07 57 13 00-0046	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	389.43	49.02
07 57 13 00-0047	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	446.71	52.29
07 57 13 00-0048	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	561.26	58.83
07 57 13 00-0049	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	675.81	65.36
07 57 13 00-0050	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	790.37	71.90
07 57 13 00-0051	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	904.92	78.43

**07 58 Roll Roofing** (07 50)

07 58 00 00-0001	<b>Prepared Roll Roofing</b> <small>(07 58)</small>			
	Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.			
07 58 00 00-0002	SQ	Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing.....	218.77	29.41

**07 59 Membrane Roofing Termination Bar** (07 50)

07 59 00 00-0001	<b>Membrane Roofing Termination Bar</b> <small>(07 59)</small>			
07 59 00 00-0002	LF	Membrane Roofing Termination Bar.....	4.42	1.35
	Note: Includes fasteners and caulking.			

**07 60 Flashing and Sheet Metal** (07)**07 61 Sheet Metal Roofing** (07 60)**07 61 13 Standing Seam Sheet Metal Roofing** (07 61)

07 61 13 00-0001	<b>Standing Seam Concealed Fastener Roofing</b> <small>(07 61 13)</small>			
07 61 13 00-0002	<b>Copper Standing Seam Concealed Fastener Roofing</b> <small>(07 61 13 00-0001)</small>			
07 61 13 00-0003	SF	Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing.....	27.06	3.72
		<i>For Steep Roof, Over 6 To 12, Add</i>	2.23	
		<i>For 140 MPH Wind Load, Add</i>	1.14	
		<i>For Panels &lt;16" Wide, Add</i>	2.73	
		<i>For Up To 1,500, Add</i>	6.77	
		<i>For &gt;1,500 To 5,000, Add</i>	4.06	
		<i>For &gt;5,000 To 10,000, Add</i>	0.68	
07 61 13 00-0004	SF	Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing.....	29.60	4.04
		<i>For Steep Roof, Over 6 To 12, Add</i>	2.42	
		<i>For 140 MPH Wind Load, Add</i>	1.24	
		<i>For Panels &lt;16" Wide, Add</i>	2.97	
		<i>For Up To 1,500, Add</i>	7.40	
		<i>For &gt;1,500 To 5,000, Add</i>	4.44	
		<i>For &gt;5,000 To 10,000, Add</i>	0.74	
07 61 13 00-0005	SF	Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing.....	34.63	4.39
		<i>For Steep Roof, Over 6 To 12, Add</i>	2.64	
		<i>For 140 MPH Wind Load, Add</i>	1.40	
		<i>For Panels &lt;16" Wide, Add</i>	3.36	
		<i>For Up To 1,500, Add</i>	8.66	
		<i>For &gt;1,500 To 5,000, Add</i>	5.19	
		<i>For &gt;5,000 To 10,000, Add</i>	0.87	
07 61 13 00-0006	<b>Zinc/Copper Standing Seam Concealed Fastener Roofing</b> <small>(07 61 13 00-0001)</small>			
07 61 13 00-0007	SF	0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	31.41	4.04
		<i>For Steep Roof, Over 6 To 12, Add</i>	2.42	
		<i>For 140 MPH Wind Load, Add</i>	1.27	
		<i>For Panels &lt;16" Wide, Add</i>	3.06	
		<i>For Up To 1,500, Add</i>	7.85	
		<i>For &gt;1,500 To 5,000, Add</i>	4.71	
		<i>For &gt;5,000 To 10,000, Add</i>	0.79	
		<i>For Tin/Copper, Deduct</i>	-0.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 13 00-0008 SF 0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	37.59	4.20
<i>For Steep Roof, Over 6 To 12, Add</i>	2.52	
<i>For 140 MPH Wind Load, Add</i>	1.42	
<i>For Panels &lt;16" Wide, Add</i>	3.43	
<i>For Up To 1,500, Add</i>	9.40	
<i>For &gt;1,500 To 5,000, Add</i>	5.64	
<i>For &gt;5,000 To 10,000, Add</i>	0.94	
<i>For Tin/Copper, Deduct</i>	-0.58	
07 61 13 00-0009 SF 0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	42.48	4.39
<i>For Steep Roof, Over 6 To 12, Add</i>	2.64	
<i>For 140 MPH Wind Load, Add</i>	1.55	
<i>For Panels &lt;16" Wide, Add</i>	3.75	
<i>For Up To 1,500, Add</i>	10.62	
<i>For &gt;1,500 To 5,000, Add</i>	6.37	
<i>For &gt;5,000 To 10,000, Add</i>	1.06	
<i>For Tin/Copper, Deduct</i>	-0.67	
07 61 13 00-0010 SF 0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	52.66	4.61
<i>For Steep Roof, Over 6 To 12, Add</i>	2.76	
<i>For 140 MPH Wind Load, Add</i>	1.79	
<i>For Panels &lt;16" Wide, Add</i>	4.34	
<i>For Up To 1,500, Add</i>	13.17	
<i>For &gt;1,500 To 5,000, Add</i>	7.90	
<i>For &gt;5,000 To 10,000, Add</i>	1.32	
<i>For Tin/Copper, Deduct</i>	-0.87	
<b>07 61 13 00-0011 Accessories For Copper Standing Seam Concealed Fastener Roofing</b> (07 61 13 00-0001)		
07 61 13 00-0012 LF Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing.....	109.59	7.69
<i>For Steep Roof, Over 6 To 12, Add</i>	5.77	
<i>For 140 MPH Wind Load, Add</i>	3.73	
07 61 13 00-0013 LF Eave Flashing For Copper Standing Seam Concealed Fastener Roofing.....	65.83	7.69
<i>For Steep Roof, Over 6 To 12, Add</i>	5.77	
<i>For 140 MPH Wind Load, Add</i>	2.85	
07 61 13 00-0014 LF Valley Flashing For Copper Standing Seam Concealed Fastener Roofing.....	150.97	7.69
<i>For Steep Roof, Over 6 To 12, Add</i>	5.77	
<i>For 140 MPH Wind Load, Add</i>	4.56	
07 61 13 00-0015 LF Hip Flashing For Copper Standing Seam Concealed Fastener Roofing.....	112.86	7.69
<i>For Steep Roof, Over 6 To 12, Add</i>	5.77	
<i>For 140 MPH Wind Load, Add</i>	3.79	
<b>07 61 16 Batten Seam Sheet Metal Roofing</b> (07 61)		
07 61 16 00-0001 Copper Batten Seam Concealed Fastener Roofing (07 61 16)		
07 61 16 00-0002 Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)		
07 61 16 00-0003 SF 16 Ounce Copper Batten Seam Concealed Fastener Roofing.....	33.20	4.39
<i>For Steep Roof, Over 6 To 12, Add</i>	2.64	
<i>For 140 MPH Wind Load, Add</i>	1.37	
<i>For Panels &lt;16" Wide, Add</i>	3.29	
<i>For Up To 1,500, Add</i>	8.30	
<i>For &gt;1,500 To 5,000, Add</i>	4.98	
<i>For &gt;5,000 To 10,000, Add</i>	0.83	
07 61 16 00-0004 SF 18 Ounce Copper Batten Seam Concealed Fastener Roofing.....	36.51	4.62
<i>For Steep Roof, Over 6 To 12, Add</i>	2.77	
<i>For 140 MPH Wind Load, Add</i>	1.47	
<i>For Panels &lt;16" Wide, Add</i>	3.53	
<i>For Up To 1,500, Add</i>	9.13	
<i>For &gt;1,500 To 5,000, Add</i>	5.48	
<i>For &gt;5,000 To 10,000, Add</i>	0.91	
07 61 16 00-0005 SF 20 Ounce Copper Batten Seam Concealed Fastener Roofing.....	42.21	4.84
<i>For Steep Roof, Over 6 To 12, Add</i>	2.90	
<i>For 140 MPH Wind Load, Add</i>	1.62	
<i>For Panels &lt;16" Wide, Add</i>	3.90	
<i>For Up To 1,500, Add</i>	10.55	
<i>For &gt;1,500 To 5,000, Add</i>	6.33	
<i>For &gt;5,000 To 10,000, Add</i>	1.06	
07 61 16 00-0006 Zinc/Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)		
07 61 16 00-0007 SF 0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing.....	33.42	4.04
<i>For Steep Roof, Over 6 To 12, Add</i>	2.42	
<i>For 140 MPH Wind Load, Add</i>	1.31	
<i>For Panels &lt;16" Wide, Add</i>	3.16	
<i>For Up To 1,500, Add</i>	8.36	
<i>For &gt;1,500 To 5,000, Add</i>	5.01	
<i>For &gt;5,000 To 10,000, Add</i>	0.84	
<i>For Tin/Copper, Deduct</i>	-0.51	

**07 Thermal And Moisture Protection****07 60 Flashing and Sheet Metal****07 61 Sheet Metal Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 16 00-0008	SF		0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing .....	40.47	4.20
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.52	
			<i>For 140 MPH Wind Load, Add</i>	1.48	
			<i>For Panels &lt;16" Wide, Add</i>	3.58	
			<i>For Up To 1,500, Add</i>	10.12	
			<i>For &gt;1,500 To 5,000, Add</i>	6.07	
			<i>For &gt;5,000 To 10,000, Add</i>	1.01	
			<i>For Tin/Copper, Deduct</i>	-0.64	
07 61 16 00-0009	SF		0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing .....	45.16	4.39
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.64	
			<i>For 140 MPH Wind Load, Add</i>	1.61	
			<i>For Panels &lt;16" Wide, Add</i>	3.88	
			<i>For Up To 1,500, Add</i>	11.29	
			<i>For &gt;1,500 To 5,000, Add</i>	6.77	
			<i>For &gt;5,000 To 10,000, Add</i>	1.13	
			<i>For Tin/Copper, Deduct</i>	-0.73	
07 61 16 00-0010	SF		0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing .....	56.11	4.61
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.76	
			<i>For 140 MPH Wind Load, Add</i>	1.86	
			<i>For Panels &lt;16" Wide, Add</i>	4.51	
			<i>For Up To 1,500, Add</i>	14.03	
			<i>For &gt;1,500 To 5,000, Add</i>	8.42	
			<i>For &gt;5,000 To 10,000, Add</i>	1.40	
			<i>For Tin/Copper, Deduct</i>	-0.94	
<b>07 61 19 Flat Seam Sheet Metal Roofing (07 61)</b>					
07 61 19 00-0001			Copper Flat Seam Concealed Fastener Roofing (07 61 19)		
07 61 19 00-0002			Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)		
07 61 19 00-0003	SF		16 Ounce Copper Flat Seam Concealed Fastener Roofing.....	26.05	4.04
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.42	
			<i>For 140 MPH Wind Load, Add</i>	1.17	
			<i>For Panels &lt;16" Wide, Add</i>	2.79	
			<i>For Up To 1,500, Add</i>	6.51	
			<i>For &gt;1,500 To 5,000, Add</i>	3.91	
			<i>For &gt;5,000 To 10,000, Add</i>	0.65	
07 61 19 00-0004	SF		18 Ounce Copper Flat Seam Concealed Fastener Roofing.....	28.51	4.20
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.52	
			<i>For 140 MPH Wind Load, Add</i>	1.24	
			<i>For Panels &lt;16" Wide, Add</i>	2.98	
			<i>For Up To 1,500, Add</i>	7.13	
			<i>For &gt;1,500 To 5,000, Add</i>	4.28	
			<i>For &gt;5,000 To 10,000, Add</i>	0.71	
07 61 19 00-0005	SF		20 Ounce Copper Flat Seam Concealed Fastener Roofing.....	32.72	4.39
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.64	
			<i>For 140 MPH Wind Load, Add</i>	1.36	
			<i>For Panels &lt;16" Wide, Add</i>	3.26	
			<i>For Up To 1,500, Add</i>	8.18	
			<i>For &gt;1,500 To 5,000, Add</i>	4.91	
			<i>For &gt;5,000 To 10,000, Add</i>	0.82	
07 61 19 00-0006			Zinc/Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)		
07 61 19 00-0007	SF		0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	29.60	4.04
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.42	
			<i>For 140 MPH Wind Load, Add</i>	1.24	
			<i>For Panels &lt;16" Wide, Add</i>	2.97	
			<i>For Up To 1,500, Add</i>	7.40	
			<i>For &gt;1,500 To 5,000, Add</i>	4.44	
			<i>For &gt;5,000 To 10,000, Add</i>	0.74	
			<i>For Tin/Copper, Deduct</i>	-0.43	
07 61 19 00-0008	SF		0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	35.69	4.20
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.52	
			<i>For 140 MPH Wind Load, Add</i>	1.39	
			<i>For Panels &lt;16" Wide, Add</i>	3.34	
			<i>For Up To 1,500, Add</i>	8.92	
			<i>For &gt;1,500 To 5,000, Add</i>	5.35	
			<i>For &gt;5,000 To 10,000, Add</i>	0.89	
			<i>For Tin/Copper, Deduct</i>	-0.55	
07 61 19 00-0009	SF		0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	39.90	4.39
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.64	
			<i>For 140 MPH Wind Load, Add</i>	1.50	
			<i>For Panels &lt;16" Wide, Add</i>	3.62	
			<i>For Up To 1,500, Add</i>	9.98	
			<i>For &gt;1,500 To 5,000, Add</i>	5.99	
			<i>For &gt;5,000 To 10,000, Add</i>	1.00	
			<i>For Tin/Copper, Deduct</i>	-0.62	
07 61 19 00-0010	SF		0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	49.41	4.61
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.76	
			<i>For 140 MPH Wind Load, Add</i>	1.73	
			<i>For Panels &lt;16" Wide, Add</i>	4.17	
			<i>For Up To 1,500, Add</i>	12.35	
			<i>For &gt;1,500 To 5,000, Add</i>	7.41	
			<i>For &gt;5,000 To 10,000, Add</i>	1.24	
			<i>For Tin/Copper, Deduct</i>	-0.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**07 62 Sheet Metal Flashing and Trim** (07 60)

**07 62 13 Fabricated Copings** (07 62)

**07 62 13 00-0001 Lead Flashing And Trim** (07 62 13)

07 62 13 00-0002	SF 2.5 LB/SF Sheet Lead Flashing.....	23.91	
	<i>For Up To 100, Add</i>	5.98	
07 62 13 00-0003	SF 4 LB/SF Sheet Lead Flashing.....	30.68	6.46
	<i>For Up To 100, Add</i>	7.67	

**07 62 13 00-0004 Copper Flashing And Trim** (07 62 13)

**07 62 13 00-0005 Copper Flashing And Trim** (07 62 13 00-0004)

07 62 13 00-0006	SF 16 Ounce, 0.021" Thick, Copper Flashing And Trim.....	29.97	
	<i>For Up To 100, Add</i>	7.49	
	<i>For &gt;500 To 2,000, Deduct</i>	-4.15	
	<i>For &gt;2,000, Deduct</i>	-5.02	
	<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.50	
	<i>For Wrap Around Window Panning, Add</i>	12.48	
07 62 13 00-0007	SF 20 Ounce, 0.027" Thick, Copper Flashing And Trim.....	30.96	6.46
	<i>For Up To 100, Add</i>	7.74	
	<i>For &gt;500 To 2,000, Deduct</i>	-4.29	
	<i>For &gt;2,000, Deduct</i>	-5.18	
	<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.61	
	<i>For Wrap Around Window Panning, Add</i>	13.04	
07 62 13 00-0008	SF 24 Ounce, 0.032" Thick, Copper Flashing And Trim.....	35.18	6.89
	<i>For Up To 100, Add</i>	8.80	
	<i>For &gt;500 To 2,000, Deduct</i>	-4.85	
	<i>For &gt;2,000, Deduct</i>	-5.92	
	<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.73	
	<i>For Wrap Around Window Panning, Add</i>	13.67	
07 62 13 00-0009	SF 32 Ounce, 0.043" Thick, Copper Flashing And Trim.....	43.03	7.18
	<i>For Up To 100, Add</i>	10.76	
	<i>For &gt;500 To 2,000, Deduct</i>	-5.88	
	<i>For &gt;2,000, Deduct</i>	-7.31	
	<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.87	
	<i>For Wrap Around Window Panning, Add</i>	14.35	

**07 62 13 00-0010 Stainless Steel Flashing And Trim** (07 62 13)

**07 62 13 00-0011 Stainless Steel Flashing And Trim** (07 62 13 00-0010)

07 62 13 00-0012	SF 32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim.....	12.44	
	<i>For Up To 100, Add</i>	3.11	
	<i>For Wrap Around Window Panning, Add</i>	8.86	
	<i>For Mechanically Keyed Flashing, Add</i>	1.43	
07 62 13 00-0013	SF 30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim.....	13.47	3.87
	<i>For Up To 100, Add</i>	3.37	
	<i>For Wrap Around Window Panning, Add</i>	9.00	
	<i>For Mechanically Keyed Flashing, Add</i>	1.79	
07 62 13 00-0014	SF 28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim.....	14.51	4.30
	<i>For Up To 100, Add</i>	3.63	
	<i>For Wrap Around Window Panning, Add</i>	9.15	
	<i>For Mechanically Keyed Flashing, Add</i>	2.14	
07 62 13 00-0015	SF 26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim.....	16.15	4.74
	<i>For Up To 100, Add</i>	4.04	
	<i>For Wrap Around Window Panning, Add</i>	9.44	
	<i>For Mechanically Keyed Flashing, Add</i>	2.68	
07 62 13 00-0016	SF 24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim.....	18.91	5.03
	<i>For Up To 100, Add</i>	4.73	
	<i>For Wrap Around Window Panning, Add</i>	9.97	
	<i>For Mechanically Keyed Flashing, Add</i>	3.58	
07 62 13 00-0017	SF 22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim.....	20.64	5.27
	<i>For Up To 100, Add</i>	5.16	
	<i>For Wrap Around Window Panning, Add</i>	10.55	
	<i>For Mechanically Keyed Flashing, Add</i>	4.04	
07 62 13 00-0018	SF 20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim.....	22.09	5.60
	<i>For Up To 100, Add</i>	5.52	
	<i>For Wrap Around Window Panning, Add</i>	11.16	
	<i>For Mechanically Keyed Flashing, Add</i>	4.37	

**07 62 13 00-0019 Aluminum Flashing And Trim** (07 62 13)

**07 62 13 00-0020 Aluminum Flashing And Trim** (07 62 13 00-0019)

07 62 13 00-0021	SF 0.013" Thick, Mill Finish, Aluminum Flashing And Trim.....	12.86	
	<i>For Up To 100, Add</i>	3.22	
	<i>For Baked Aluminum Colors, Add</i>	0.30	
	<i>For Wrap Around Window Panning, Add</i>	9.89	4.44

**07 Thermal And Moisture Protection****07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0022	SF		0.016" Thick, Mill Finish, Aluminum Flashing And Trim .....	13.51	4.44
			For Up To 100, Add .....	3.38	
			For Baked Aluminum Colors, Add .....	0.36	
			For Wrap Around Window Panning, Add .....	9.89	
07 62 13 00-0023	SF		0.019" Thick, Mill Finish, Aluminum Flashing And Trim .....	14.03	4.44
			For Up To 100, Add .....	3.51	
			For Baked Aluminum Colors, Add .....	0.41	
			For Wrap Around Window Panning, Add .....	9.89	
07 62 13 00-0024	SF		0.024" Thick, Mill Finish, Aluminum Flashing And Trim .....	14.77	4.44
			For Up To 100, Add .....	3.69	
			For Baked Aluminum Colors, Add .....	0.49	
			For Wrap Around Window Panning, Add .....	9.89	
07 62 13 00-0025	SF		0.032" Thick, Mill Finish, Aluminum Flashing And Trim .....	15.81	4.44
			For Up To 100, Add .....	3.95	
			For Baked Aluminum Colors, Add .....	0.59	
			For Wrap Around Window Panning, Add .....	9.89	
07 62 13 00-0026	SF		0.040" Thick, Mill Finish, Aluminum Flashing And Trim .....	16.45	4.44
			For Up To 100, Add .....	4.11	
			For Baked Aluminum Colors, Add .....	0.66	
			For Wrap Around Window Panning, Add .....	9.89	
07 62 13 00-0027	SF		0.050" Thick, Mill Finish, Aluminum Flashing And Trim .....	16.97	4.44
			For Up To 100, Add .....	4.24	
			For Baked Aluminum Colors, Add .....	0.71	
			For Wrap Around Window Panning, Add .....	9.89	
<b>07 62 13 00-0028</b>			<b>Steel Flashing And Trim (07 62 13)</b>		
<b>07 62 13 00-0029</b>			<b>Galvanized Steel Flashing And Trim (07 62 13 00-0028)</b>		
07 62 13 00-0030	SF		28 Gauge, 0.019" Thick, Galvanized Steel Flashing.....	14.54	4.30
			For Up To 100, Add .....	3.64	
			For Wrap Around Window Panning, Add .....	9.15	
07 62 13 00-0031	SF		26 Gauge, 0.022" Thick, Galvanized Steel Flashing.....	15.13	4.74
			For Up To 100, Add .....	3.78	
			For Wrap Around Window Panning, Add .....	9.44	
07 62 13 00-0032	SF		24 Gauge, 0.028" Thick, Galvanized Steel Flashing.....	16.11	5.03
			For Up To 100, Add .....	4.03	
			For Wrap Around Window Panning, Add .....	9.97	
07 62 13 00-0033	SF		22 Gauge, 0.034" Thick, Galvanized Steel Flashing.....	17.14	5.27
			For Up To 100, Add .....	4.29	
			For Wrap Around Window Panning, Add .....	10.55	
07 62 13 00-0034	SF		20 Gauge, 0.04" Thick, Galvanized Steel Flashing.....	18.52	5.60
			For Up To 100, Add .....	4.63	
			For Wrap Around Window Panning, Add .....	11.16	
<b>07 62 19</b>			<b>Fabricated Gravel Stops and Fasciae (07 62)</b>		
07 62 19 00-0001			<b>Drip Edge (07 62 19)</b>		
07 62 19 00-0002			<b>Aluminum Drip Edge (07 62 19 00-0001)</b>		
			Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0003			<b>KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)</b>		
07 62 19 00-0004			<b>0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)</b>		
07 62 19 00-0005	LF		Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	10.56	1.47
07 62 19 00-0006	LF		>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	13.16	1.57
07 62 19 00-0007	LF		>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	14.87	1.77
07 62 19 00-0008	LF		>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	17.89	1.86
07 62 19 00-0009	LF		>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	22.85	1.96
07 62 19 00-0010			<b>0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)</b>		
07 62 19 00-0011	LF		Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	11.30	1.47
07 62 19 00-0012	LF		>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	13.98	1.57
07 62 19 00-0013	LF		>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	16.10	1.77
07 62 19 00-0014	LF		>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	19.37	1.86
07 62 19 00-0015	LF		>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	24.25	1.96
07 62 19 00-0016			<b>0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)</b>		
07 62 19 00-0017	LF		Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	12.04	1.47
07 62 19 00-0018	LF		>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	14.97	1.57
07 62 19 00-0019	LF		>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	17.28	1.77
07 62 19 00-0020	LF		>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	20.84	1.86
07 62 19 00-0021	LF		>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	26.22	1.96
07 62 19 00-0022			<b>0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)</b>		
07 62 19 00-0023	LF		Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	13.51	1.47
07 62 19 00-0024	LF		>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	16.94	1.57
07 62 19 00-0025	LF		>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	19.62	1.77
07 62 19 00-0026	LF		>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	23.79	1.86



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0027	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	30.15	1.96
<b>07 62 19 00-0028</b>		<b>0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> (07 62 19 00-0003)		
07 62 19 00-0029	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	14.00	1.47
07 62 19 00-0030	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	17.67	1.57
07 62 19 00-0031	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	20.40	1.77
07 62 19 00-0032	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	24.78	1.86
07 62 19 00-0033	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	31.46	1.96
<b>07 62 19 00-0034</b>		<b>0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> (07 62 19 00-0003)		
07 62 19 00-0035	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	15.73	1.47
07 62 19 00-0036	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	19.89	1.57
07 62 19 00-0037	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	23.11	1.77
07 62 19 00-0038	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	28.22	1.86
07 62 19 00-0039	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	36.06	1.96
<b>07 62 19 00-0040</b>		<b>0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> (07 62 19 00-0003)		
07 62 19 00-0041	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	18.19	1.47
07 62 19 00-0042	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	23.17	1.57
07 62 19 00-0043	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	27.00	1.77
07 62 19 00-0044	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	33.14	1.86
07 62 19 00-0045	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	42.62	1.96
<b>07 62 19 00-0046</b>		<b>0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> (07 62 19 00-0003)		
07 62 19 00-0047	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	21.14	1.47
07 62 19 00-0048	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	27.10	1.57
07 62 19 00-0049	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	31.68	1.77
07 62 19 00-0050	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	39.05	1.86
07 62 19 00-0051	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	50.49	1.96
<b>07 62 19 00-0052</b>		<b>Mill Finish, Aluminum Drip Edge</b> (07 62 19 00-0002)		
<b>07 62 19 00-0053</b>		<b>0.016" Thick, Mill Finish, Aluminum Drip Edge</b> (07 62 19 00-0052)		
07 62 19 00-0054	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	8.65	1.47
07 62 19 00-0055	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	10.57	1.57
07 62 19 00-0056	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	11.86	1.77
07 62 19 00-0057	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	14.07	1.86
07 62 19 00-0058	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	17.59	1.96
<b>07 62 19 00-0059</b>		<b>0.019" Thick, Mill Finish, Aluminum Drip Edge</b> (07 62 19 00-0052)		
07 62 19 00-0060	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	9.16	1.47
07 62 19 00-0061	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	11.13	1.57
07 62 19 00-0062	LF	>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	12.71	1.77
07 62 19 00-0063	LF	>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	15.09	1.86
07 62 19 00-0064	LF	>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	18.55	1.96
<b>07 62 19 00-0065</b>		<b>0.025" Thick, Mill Finish, Aluminum Drip Edge</b> (07 62 19 00-0052)		
07 62 19 00-0066	LF	Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	9.67	1.47
07 62 19 00-0067	LF	>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	11.81	1.57
07 62 19 00-0068	LF	>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	13.53	1.77
07 62 19 00-0069	LF	>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	16.11	1.86
07 62 19 00-0070	LF	>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	19.90	1.96
<b>07 62 19 00-0071</b>		<b>0.032" Thick, Mill Finish, Aluminum Drip Edge</b> (07 62 19 00-0052)		
07 62 19 00-0072	LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	10.69	1.47
07 62 19 00-0073	LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	13.17	1.57
07 62 19 00-0074	LF	>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	15.14	1.77
07 62 19 00-0075	LF	>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	18.14	1.86
07 62 19 00-0076	LF	>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	22.62	1.96
<b>07 62 19 00-0077</b>		<b>0.040" Thick, Mill Finish, Aluminum Drip Edge</b> (07 62 19 00-0052)		
07 62 19 00-0078	LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	11.03	1.47
07 62 19 00-0079	LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	13.68	1.57
07 62 19 00-0080	LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	15.68	1.77
07 62 19 00-0081	LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	18.82	1.86
07 62 19 00-0082	LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	23.52	1.96
<b>07 62 19 00-0083</b>		<b>0.050" Thick, Mill Finish, Aluminum Drip Edge</b> (07 62 19 00-0052)		
07 62 19 00-0084	LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	12.21	1.47

**07 Thermal And Moisture Protection****07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0085 LF >5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge .....	15.21	1.57
07 62 19 00-0086 LF >7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge .....	17.55	1.77
07 62 19 00-0087 LF >9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge .....	21.20	1.86
07 62 19 00-0088 LF >12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge .....	26.69	1.96
<b>07 62 19 00-0089 0.063" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)</b>		
07 62 19 00-0090 LF Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge .....	13.91	1.47
07 62 19 00-0091 LF >5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge .....	17.47	1.57
07 62 19 00-0092 LF >7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge .....	20.23	1.77
07 62 19 00-0093 LF >9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge .....	24.59	1.86
07 62 19 00-0094 LF >12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge .....	31.21	1.96
<b>07 62 19 00-0095 0.080" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)</b>		
07 62 19 00-0096 LF Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge .....	15.95	1.47
07 62 19 00-0097 LF >5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge .....	20.18	1.57
07 62 19 00-0098 LF >7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge .....	23.46	1.77
07 62 19 00-0099 LF >9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge .....	28.66	1.86
07 62 19 00-0100 LF >12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge .....	36.64	1.96
<b>07 62 19 00-0101 Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0002)</b>		
<b>07 62 19 00-0102 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)</b>		
07 62 19 00-0103 LF Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	10.93	1.47
07 62 19 00-0104 LF >5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	13.67	1.57
07 62 19 00-0105 LF >7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	15.45	1.77
07 62 19 00-0106 LF >9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	18.63	1.86
07 62 19 00-0107 LF >12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	23.87	1.96
<b>07 62 19 00-0108 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)</b>		
07 62 19 00-0109 LF Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	11.71	1.47
07 62 19 00-0110 LF >5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	14.53	1.57
07 62 19 00-0111 LF >7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	16.75	1.77
07 62 19 00-0112 LF >9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	20.19	1.86
07 62 19 00-0113 LF >12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	25.35	1.96
<b>07 62 19 00-0114 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)</b>		
07 62 19 00-0115 LF Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	12.49	1.47
07 62 19 00-0116 LF >5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	15.58	1.57
07 62 19 00-0117 LF >7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	18.01	1.77
07 62 19 00-0118 LF >9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	21.76	1.86
07 62 19 00-0119 LF >12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	27.44	1.96
<b>07 62 19 00-0120 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)</b>		
07 62 19 00-0121 LF Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	14.06	1.47
07 62 19 00-0122 LF >5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	17.66	1.57
07 62 19 00-0123 LF >7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	20.49	1.77
07 62 19 00-0124 LF >9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	24.89	1.86
07 62 19 00-0125 LF >12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	31.61	1.96
<b>07 62 19 00-0126 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)</b>		
07 62 19 00-0127 LF Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	14.58	1.47
07 62 19 00-0128 LF >5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	18.45	1.57
07 62 19 00-0129 LF >7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	21.31	1.77
07 62 19 00-0130 LF >9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	25.93	1.86
07 62 19 00-0131 LF >12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	33.00	1.96
<b>07 62 19 00-0132 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)</b>		
07 62 19 00-0133 LF Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	16.40	1.47
07 62 19 00-0134 LF >5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	20.79	1.57
07 62 19 00-0135 LF >7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	24.18	1.77
07 62 19 00-0136 LF >9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	29.58	1.86
07 62 19 00-0137 LF >12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	37.87	1.96
<b>07 62 19 00-0138 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)</b>		
07 62 19 00-0139 LF Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	19.01	1.47
07 62 19 00-0140 LF >5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	24.27	1.57
07 62 19 00-0141 LF >7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	28.31	1.77
07 62 19 00-0142 LF >9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	34.79	1.86
07 62 19 00-0143 LF >12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge .....	44.82	1.96





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0144				<b>0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge</b> (07 62 19 00-0101)		
			LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	22.14	1.47
			LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	28.44	1.57
			LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	33.26	1.77
			LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	41.05	1.86
			LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	53.16	1.96
07 62 19 00-0150				<b>Galvanized Steel Drip Edge</b> (07 62 19 00-0001)		
				Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0151				<b>Galvanized Steel Drip Edge</b> (07 62 19 00-0150)		
07 62 19 00-0152				<b>26 Gauge, Galvanized Steel Drip Edge</b> (07 62 19 00-0151)		
			LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	10.06	1.47
			LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	12.39	1.57
			LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	14.15	1.77
			LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	16.90	1.86
			LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	20.96	1.96
07 62 19 00-0158				<b>24 Gauge, Galvanized Steel Drip Edge</b> (07 62 19 00-0151)		
			LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	10.92	1.47
			LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	13.53	1.57
			LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	15.50	1.77
			LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	18.60	1.86
			LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	23.21	1.96
07 62 19 00-0164				<b>KYNAR 500® Finish, Galvanized Steel Drip Edge</b> (07 62 19 00-0150)		
07 62 19 00-0165				<b>26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge</b> (07 62 19 00-0164)		
			LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	12.61	1.47
			LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	15.80	1.57
			LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	18.19	1.77
			LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	21.99	1.86
			LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	27.74	1.96
07 62 19 00-0171				<b>24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge</b> (07 62 19 00-0164)		
			LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	13.84	1.47
			LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	17.45	1.57
			LF	>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	20.14	1.77
			LF	>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	24.45	1.86
			LF	>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	31.02	1.96
07 62 19 00-0177				<b>Stainless Steel Drip Edge</b> (07 62 19 00-0001)		
				Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0178				<b>26 Gauge, Stainless Steel Drip Edge</b> (07 62 19 00-0177)		
			LF	Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge.....	17.31	1.47
			LF	>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge.....	22.00	1.57
			LF	>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge.....	25.62	1.77
			LF	>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge.....	31.39	1.86
			LF	>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge.....	40.28	1.96
07 62 19 00-0184				<b>24 Gauge, Stainless Steel Drip Edge</b> (07 62 19 00-0177)		
			LF	Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge.....	21.37	1.47
			LF	>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge.....	27.42	1.57
			LF	>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge.....	32.07	1.77
			LF	>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge.....	39.51	1.86
			LF	>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge.....	51.11	1.96
07 62 19 00-0190				<b>22 Gauge, Stainless Steel Drip Edge</b> (07 62 19 00-0177)		
			LF	Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge.....	26.15	1.47
			LF	>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge.....	33.79	1.57
			LF	>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge.....	39.63	1.77
			LF	>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge.....	49.07	1.86
			LF	>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge.....	63.85	1.96
07 63				<b>Sheet Metal Roofing Specialties</b> (07 60)		
07 63 00 00-0001				<b>Pitch Pockets</b> (07 63)		
				Note: Cut into deck, filled with non-shrink grout, includes blocking.		
07 63 00 00-0002				<b>24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets</b> (07 63 00 00-0001)		

**07 Thermal And Moisture Protection****07 60 Flashing and Sheet Metal****07 63 Sheet Metal Roofing Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0003	EA		4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	100.18	
			<i>For Pourable Sealer Filled, Add</i>	36.48	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	18.25	
07 63 00 00-0004	EA		6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	119.55	
			<i>For Pourable Sealer Filled, Add</i>	82.14	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	41.18	
07 63 00 00-0005	EA		8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	144.21	
			<i>For Pourable Sealer Filled, Add</i>	145.94	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	72.80	
07 63 00 00-0006	EA		8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	157.84	
			<i>For Pourable Sealer Filled, Add</i>	182.42	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	91.51	
07 63 00 00-0007	EA		8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	170.61	
			<i>For Pourable Sealer Filled, Add</i>	218.91	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	109.47	
07 63 00 00-0008	SF		24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	198.54	
			<i>For Pourable Sealer Filled, Add</i>	328.36	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	163.17	
<b>07 63 00 00-0009</b>			<b>16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets</b> <small>(07 63 00 00-0001)</small>		
07 63 00 00-0010	EA		4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	111.81	
			<i>For Pourable Sealer Filled, Add</i>	36.48	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	18.25	
07 63 00 00-0011	EA		6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	132.90	
			<i>For Pourable Sealer Filled, Add</i>	82.14	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	41.18	
07 63 00 00-0012	EA		8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	160.32	
			<i>For Pourable Sealer Filled, Add</i>	145.94	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	72.80	
07 63 00 00-0013	EA		8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	177.69	
			<i>For Pourable Sealer Filled, Add</i>	182.42	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	91.51	
07 63 00 00-0014	EA		8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	190.77	
			<i>For Pourable Sealer Filled, Add</i>	218.91	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	109.47	
07 63 00 00-0015	SF		16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	220.15	
			<i>For Pourable Sealer Filled, Add</i>	328.36	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	163.17	
<b>07 63 00 00-0016</b>			<b>24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets</b> <small>(07 63 00 00-0001)</small>		
07 63 00 00-0017	EA		4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	120.31	
			<i>For Pourable Sealer Filled, Add</i>	36.48	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	18.25	
07 63 00 00-0018	EA		6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	141.98	
			<i>For Pourable Sealer Filled, Add</i>	82.14	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	41.18	
07 63 00 00-0019	EA		8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	162.97	
			<i>For Pourable Sealer Filled, Add</i>	145.94	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	72.80	
07 63 00 00-0020	EA		8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	175.87	
			<i>For Pourable Sealer Filled, Add</i>	182.42	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	91.51	
07 63 00 00-0021	EA		8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	187.73	
			<i>For Pourable Sealer Filled, Add</i>	218.91	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	109.47	
07 63 00 00-0022	SF		24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	213.61	
			<i>For Pourable Sealer Filled, Add</i>	328.36	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	163.17	
<b>07 63 00 00-0023</b>			<b>Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout</b> <small>(07 63 00 00-0001)</small>		
			Note: Includes removing existing filler and refilling with non-shrink grout.		
07 63 00 00-0024	EA		Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout.....	65.76	
			<i>For Pourable Sealer Filled, Add</i>	36.48	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	18.25	
07 63 00 00-0025	EA		Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout.....	76.33	
			<i>For Pourable Sealer Filled, Add</i>	82.14	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	41.18	
07 63 00 00-0026	EA		Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout.....	90.46	
			<i>For Pourable Sealer Filled, Add</i>	145.94	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	72.80	
07 63 00 00-0027	EA		Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout.....	99.35	
			<i>For Pourable Sealer Filled, Add</i>	182.42	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	91.51	
07 63 00 00-0028	EA		Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout.....	108.24	
			<i>For Pourable Sealer Filled, Add</i>	218.91	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	109.47	
07 63 00 00-0029	SF		Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout.....	130.99	
			<i>For Pourable Sealer Filled, Add</i>	328.36	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	163.17	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**07 63 00 00-0030**

**Lead Pipe Flashing For Roofs** (07 63)

Note: Includes 6" skirt base.

07 63 00 00-0031	EA	1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe.....	95.14	27.89
07 63 00 00-0032	EA	1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe .....	95.14	27.89
07 63 00 00-0033	EA	2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe .....	117.22	27.89
07 63 00 00-0034	EA	3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe .....	129.83	27.89
07 63 00 00-0035	EA	4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe .....	136.14	27.89
07 63 00 00-0036	EA	4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe .....	139.29	27.89
07 63 00 00-0037	EA	6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe .....	170.83	27.89
07 63 00 00-0038	EA	8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe .....	185.02	27.89

**07 63 00 00-0039**

**Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing** (07 63)

07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	73.22	18.02
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	74.30	18.02
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	78.20	18.02
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	81.56	18.02

**07 65 Flexible Flashing** (07 60)

**07 65 16 Modified Bituminous Sheet Flashing** (07 65)

**07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems** (07 65 16)

See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.

07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing .....	12.36	1.88
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Note: Includes applying a 30 mil base coat, rolling in a stitchbonded polyester reinforcing scrim and applying a 30 mil second coat.

**07 65 19 Plastic Sheet Flashing** (07 65)

**07 65 19 00-0001 Plastic Flashing And Trim** (07 65 19)

**07 65 19 00-0002 Neoprene Flashing** (07 65 19 00-0001)

**07 65 19 00-0003 60 Mil Neoprene Flashing** (07 65 19 00-0002)

07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing .....	8.55	2.64
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing .....	11.54	2.84
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing .....	14.82	3.13
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing .....	18.27	3.53

**07 65 33 Flexible Roof Boot** (07 65)

**07 65 33 00-0001 Neoprene Roof Boot** (07 65 33)

07 65 33 00-0002	EA	2" Diameter Pipe, Neoprene Roof Boot .....	36.11	8.14
07 65 33 00-0003	EA	3" Diameter Pipe, Neoprene Roof Boot .....	42.26	9.11
07 65 33 00-0004	EA	4" Diameter Pipe, Neoprene Roof Boot .....	46.79	9.81

**07 70 Roof and Wall Specialties and Accessories** (07)

**07 71 Roof Specialties** (07 70)

**07 71 13 Manufactured Copings** (07 71)

**07 71 13 00-0001 Galvanized Steel Copings** (07 71 13)

**07 71 13 00-0002 KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats** (07 71 13 00-0001)

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	31.46	2.12
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	33.20	2.29
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	37.86	2.41
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	43.99	2.64
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	53.20	2.76

**07 71 13 00-0008 Aluminum Copings** (07 71 13)

**07 71 13 00-0009 Mill Finish, Aluminum Coping System With Galvanized Steel Cleats** (07 71 13 00-0008)

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0010			<b>0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <i>(07 71 13 00-0009)</i>		
07 71 13 00-0011	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	24.95	2.12
07 71 13 00-0012	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	26.63	2.29
07 71 13 00-0013	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	31.06	2.41
07 71 13 00-0014	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	37.10	2.64
07 71 13 00-0015	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	46.13	2.76
07 71 13 00-0016			<b>0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <i>(07 71 13 00-0009)</i>		
07 71 13 00-0017	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	27.09	2.12
07 71 13 00-0018	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	28.91	2.29
07 71 13 00-0019	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	33.76	2.41
07 71 13 00-0020	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	40.36	2.64
07 71 13 00-0021	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	50.28	2.76
07 71 13 00-0022			<b>0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <i>(07 71 13 00-0009)</i>		
07 71 13 00-0023	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	28.85	2.12
07 71 13 00-0024	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	30.95	2.29
07 71 13 00-0025	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	37.12	2.41
07 71 13 00-0026	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	46.39	2.64
07 71 13 00-0027	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	60.03	2.76
07 71 13 00-0028			<b>KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <i>(07 71 13 00-0008)</i>		
			Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0029			<b>0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <i>(07 71 13 00-0028)</i>		
07 71 13 00-0030	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	34.58	2.12
07 71 13 00-0031	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	36.90	2.29
07 71 13 00-0032	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	43.22	2.41
07 71 13 00-0033	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	51.80	2.64
07 71 13 00-0034	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	64.82	2.76
07 71 13 00-0035			<b>0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <i>(07 71 13 00-0028)</i>		
07 71 13 00-0036	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	37.69	2.12
07 71 13 00-0037	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	40.20	2.29
07 71 13 00-0038	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	47.14	2.41
07 71 13 00-0039	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	56.54	2.64
07 71 13 00-0040	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	70.84	2.76
07 71 13 00-0041			<b>0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <i>(07 71 13 00-0028)</i>		
07 71 13 00-0042	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	40.24	2.12
07 71 13 00-0043	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	43.16	2.29
07 71 13 00-0044	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	52.02	2.41
07 71 13 00-0045	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	65.28	2.64
07 71 13 00-0046	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	84.97	2.76
07 71 13 00-0047			<b>Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <i>(07 71 13 00-0008)</i>		
			Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 71 13 00-0048</b> 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>		
07 71 13 00-0049 LF 10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	36.45	2.12
07 71 13 00-0050 LF >14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	38.88	2.29
07 71 13 00-0051 LF >16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	45.58	2.41
07 71 13 00-0052 LF >22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	54.65	2.64
07 71 13 00-0053 LF >30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	68.43	2.76
<b>07 71 13 00-0054</b> 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>		
07 71 13 00-0055 LF 10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	39.74	2.12
07 71 13 00-0056 LF >14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	42.39	2.29
07 71 13 00-0057 LF >16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	49.73	2.41
07 71 13 00-0058 LF >22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	59.67	2.64
07 71 13 00-0059 LF >30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	74.81	2.76
<b>07 71 13 00-0060</b> 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>		
07 71 13 00-0061 LF 10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	42.44	2.12
07 71 13 00-0062 LF >14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	45.52	2.29
07 71 13 00-0063 LF >16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	54.90	2.41
07 71 13 00-0064 LF >22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	68.93	2.64
07 71 13 00-0065 LF >30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	89.79	2.76
<b>07 71 13 00-0066</b> Removal And Reinstallation Of Metal Coping <small>(07 71 13)</small>		
07 71 13 00-0067 LF Removal And Reinstallation Of Metal Coping .....	9.97	
<b>07 71 19</b> <b>Manufactured Gravel Stops and Fasciae</b> <small>(07 71)</small>		
<b>07 71 19 00-0001</b> Gravel Stop <small>(07 71 19)</small>		
<b>07 71 19 00-0002</b> Aluminum Gravel Stop <small>(07 71 19 00-0001)</small>		
<b>07 71 19 00-0003</b> Aluminum Gravel Stop <small>(07 71 19 00-0002)</small>		
<b>07 71 19 00-0004</b> KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0003)</small>		
<b>07 71 19 00-0005</b> 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
07 71 19 00-0006 LF 4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	32.61	1.67
07 71 19 00-0007 LF >6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	33.72	1.96
07 71 19 00-0008 LF >10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	34.86	2.16
<b>07 71 19 00-0009</b> 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
07 71 19 00-0010 LF 4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	34.65	1.67
07 71 19 00-0011 LF >6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	35.85	1.96
07 71 19 00-0012 LF >10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	37.11	2.16
<b>07 71 19 00-0013</b> 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
07 71 19 00-0014 LF 4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	37.30	1.67
07 71 19 00-0015 LF >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	38.39	1.96
07 71 19 00-0016 LF >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	39.93	2.16
<b>07 71 19 00-0017</b> 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
07 71 19 00-0018 LF 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	39.11	1.67
07 71 19 00-0019 LF >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	40.26	1.96
07 71 19 00-0020 LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	41.91	2.16
<b>07 71 19 00-0021</b> Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0003)</small>		

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 71 19 00-0022</b> <b>0.032" Thick, Mill Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0021)</small>		
07 71 19 00-0023 LF    4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	21.30	1.67
07 71 19 00-0024 LF    >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop .....	22.98	1.96
07 71 19 00-0025 LF    >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop .....	24.67	2.16
<b>07 71 19 00-0026</b> <b>0.040" Thick, Mill Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0021)</small>		
07 71 19 00-0027 LF    4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	23.00	1.67
07 71 19 00-0028 LF    >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop .....	24.45	1.96
07 71 19 00-0029 LF    >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop .....	25.80	2.16
<b>07 71 19 00-0030</b> <b>0.050" Thick, Mill Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0021)</small>		
07 71 19 00-0031 LF    4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop.....	24.69	1.67
07 71 19 00-0032 LF    >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop .....	26.15	1.96
07 71 19 00-0033 LF    >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop .....	27.63	2.16
<b>07 71 19 00-0034</b> <b>0.063" Thick, Mill Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0021)</small>		
07 71 19 00-0035 LF    4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop.....	26.53	1.67
07 71 19 00-0036 LF    >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop .....	27.84	1.96
07 71 19 00-0037 LF    >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop .....	29.00	2.16
<b>07 71 19 00-0038</b> <b>Clear Anodized Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0003)</small>		
<b>07 71 19 00-0039</b> <b>0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0038)</small>		
07 71 19 00-0040 LF    4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	38.88	1.67
07 71 19 00-0041 LF    >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	40.27	1.96
07 71 19 00-0042 LF    >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	41.50	2.16
<b>07 71 19 00-0043</b> <b>0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0038)</small>		
07 71 19 00-0044 LF    4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	41.33	1.67
07 71 19 00-0045 LF    >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	42.82	1.96
07 71 19 00-0046 LF    >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	44.18	2.16
<b>07 71 19 00-0047</b> <b>0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0038)</small>		
07 71 19 00-0048 LF    4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	44.52	1.67
07 71 19 00-0049 LF    >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	45.87	1.96
07 71 19 00-0050 LF    >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	47.00	2.16
<b>07 71 19 00-0051</b> <b>0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0038)</small>		
07 71 19 00-0052 LF    4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	46.68	1.67
07 71 19 00-0053 LF    >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	48.12	1.96
07 71 19 00-0054 LF    >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	49.34	2.16
<b>07 71 19 00-0055</b> <b>Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0002)</small>		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
<b>07 71 19 00-0056</b> <b>KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0055)</small>		
<b>07 71 19 00-0057</b> <b>0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0056)</small>		
07 71 19 00-0058 LF    4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	36.78	1.77
07 71 19 00-0059 LF    >6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	39.11	2.11
07 71 19 00-0060 LF    >10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	41.76	2.40
<b>07 71 19 00-0061</b> <b>0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0056)</small>		
07 71 19 00-0062 LF    4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	38.82	1.77
07 71 19 00-0063 LF    >6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	41.23	2.11
07 71 19 00-0064 LF    >10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	44.01	2.40
<b>07 71 19 00-0065</b> <b>0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0056)</small>		
07 71 19 00-0066 LF    4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	41.48	1.77
07 71 19 00-0067 LF    >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	43.78	2.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0068 LF >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	46.84	2.40
<b>07 71 19 00-0069 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0056)</small>		
07 71 19 00-0070 LF 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	43.28	1.77
07 71 19 00-0071 LF >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	45.65	2.11
07 71 19 00-0072 LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	48.81	2.40
<b>07 71 19 00-0073 Mill Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0055)</small>		
<b>07 71 19 00-0074 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0073)</small>		
07 71 19 00-0075 LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	27.04	1.77
07 71 19 00-0076 LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	28.95	2.11
07 71 19 00-0077 LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	31.14	2.40
<b>07 71 19 00-0078 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0073)</small>		
07 71 19 00-0079 LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	28.45	1.77
07 71 19 00-0080 LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	30.41	2.11
07 71 19 00-0081 LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	32.70	2.40
<b>07 71 19 00-0082 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0073)</small>		
07 71 19 00-0083 LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	30.28	1.77
07 71 19 00-0084 LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	32.17	2.11
07 71 19 00-0085 LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	34.54	2.40
<b>07 71 19 00-0086 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0073)</small>		
07 71 19 00-0087 LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	31.53	1.77
07 71 19 00-0088 LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	33.46	2.11
07 71 19 00-0089 LF >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	35.90	2.40
<b>07 71 19 00-0090 Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0055)</small>		
<b>07 71 19 00-0091 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0090)</small>		
07 71 19 00-0092 LF 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	43.06	1.77
07 71 19 00-0093 LF >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	45.65	2.11
07 71 19 00-0094 LF >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	48.40	2.40
<b>07 71 19 00-0095 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0090)</small>		
07 71 19 00-0096 LF 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	45.51	1.77
07 71 19 00-0097 LF >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	48.21	2.11
07 71 19 00-0098 LF >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	51.08	2.40
<b>07 71 19 00-0099 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0090)</small>		
07 71 19 00-0100 LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	48.70	1.77
07 71 19 00-0101 LF >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	51.26	2.11
07 71 19 00-0102 LF >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	53.90	2.40
<b>07 71 19 00-0103 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0090)</small>		
07 71 19 00-0104 LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	50.86	1.77
07 71 19 00-0105 LF >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	53.50	2.11

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0106 LF >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	56.24	2.40
07 71 19 00-0107 Stainless Steel Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0108 Stainless Steel Gravel Stop (07 71 19 00-0107)		
07 71 19 00-0109 26 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0110 LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	31.26	1.67
07 71 19 00-0111 LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	41.07	1.96
07 71 19 00-0112 LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	60.88	2.16
07 71 19 00-0113 24 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0114 LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	38.90	1.67
07 71 19 00-0115 LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	51.26	1.96
07 71 19 00-0116 LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	76.17	2.16
07 71 19 00-0117 22 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0118 LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	47.03	1.67
07 71 19 00-0119 LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	62.09	1.96
07 71 19 00-0120 LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	92.42	2.16
07 71 19 00-0121 Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0107) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0123 LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	36.94	1.77
07 71 19 00-0124 LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	48.42	2.11
07 71 19 00-0125 LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	70.32	2.40
07 71 19 00-0126 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0127 LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	44.58	1.77
07 71 19 00-0128 LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	58.61	2.11
07 71 19 00-0129 LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	85.61	2.40
07 71 19 00-0130 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0131 LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	52.70	1.77
07 71 19 00-0132 LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	69.44	2.11
07 71 19 00-0133 LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	101.86	2.40
07 71 19 00-0134 Galvanized Steel Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0135 Galvanized Steel Gravel Stop (07 71 19 00-0134)		
07 71 19 00-0136 KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0135)		
07 71 19 00-0137 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0136)		
07 71 19 00-0138 LF 4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	29.90	1.67
07 71 19 00-0139 LF >6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	30.97	1.96
07 71 19 00-0140 LF >10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	32.25	2.16
07 71 19 00-0141 Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0134) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142 KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0141)		
07 71 19 00-0143 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0142)		
07 71 19 00-0144 LF 4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	34.20	1.77
07 71 19 00-0145 LF >6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	36.51	2.11
07 71 19 00-0146 LF >10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	39.34	2.40
07 71 19 00-0147 Copper Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0148 Copper Gravel Stop (07 71 19 00-0147)		
07 71 19 00-0149 20 Ounce, Copper Gravel Stop (07 71 19 00-0148)		
07 71 19 00-0150 LF 4" To 6" Face Height, 20 Ounce, Copper Gravel Stop.....	50.01	1.67





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0151 LF >6" To 10" Face Height, 20 Ounce, Copper Gravel Stop.....	57.27	1.96
07 71 19 00-0152 LF >10" To 18" Face Height, 20 Ounce, Copper Gravel Stop.....	66.16	2.16
<b>07 71 19 00-0153 16 Ounce, Copper Gravel Stop (07 71 19 00-0148)</b>		
07 71 19 00-0154 LF 4" To 6" Face Height, 16 Ounce, Copper Gravel Stop.....	60.71	1.67
07 71 19 00-0155 LF >6" To 10" Face Height, 16 Ounce, Copper Gravel Stop.....	70.35	1.96
07 71 19 00-0156 LF >10" To 18" Face Height, 16 Ounce, Copper Gravel Stop.....	80.42	2.16
<b>07 71 19 00-0157 Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0147)</b>		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
<b>07 71 19 00-0158 20 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)</b>		
07 71 19 00-0159 LF 4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat .....	52.05	1.77
07 71 19 00-0160 LF >6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat .....	59.87	2.11
07 71 19 00-0161 LF >10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat .....	69.45	2.40
<b>07 71 19 00-0162 16 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)</b>		
07 71 19 00-0163 LF 4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat .....	62.75	1.77
07 71 19 00-0164 LF >6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat .....	72.95	2.11
07 71 19 00-0165 LF >10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat .....	83.72	2.40
<b>07 71 19 00-0166 Fascia (07 71 19)</b>		
<b>07 71 19 00-0167 Snap-On Cover Fascia (07 71 19 00-0166)</b>		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
<b>07 71 19 00-0168 Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0167)</b>		
<b>07 71 19 00-0169 KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0168)</b>		
<b>07 71 19 00-0170 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0169)</b>		
07 71 19 00-0171 LF 3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat .....	36.54	2.45
07 71 19 00-0172 LF >5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat .....	41.10	2.55
07 71 19 00-0173 LF >7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat .....	44.03	2.64
<b>07 71 19 00-0174 Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0169)</b>		
<b>07 71 19 00-0175 Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0174)</b>		
07 71 19 00-0176 EA Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	254.12	3.44
07 71 19 00-0177 EA Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	271.42	3.44
07 71 19 00-0178 EA Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	282.29	3.44
<b>07 71 19 00-0179 Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0174)</b>		
07 71 19 00-0180 EA Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	207.02	3.44
07 71 19 00-0181 EA Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	215.75	3.44
07 71 19 00-0182 EA Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	221.07	3.44
<b>07 71 19 00-0183 Aluminum Snap-On Cover Fascia (07 71 19 00-0167)</b>		
<b>07 71 19 00-0184 KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0183)</b>		
<b>07 71 19 00-0185 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0184)</b>		
07 71 19 00-0186 LF 3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	20.68	2.45
07 71 19 00-0187 LF >5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	23.36	2.55
07 71 19 00-0188 LF >7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	24.79	2.64
<b>07 71 19 00-0189 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0184)</b>		

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0190 LF 3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	21.71	2.45
07 71 19 00-0191 LF >5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	24.68	2.55
07 71 19 00-0192 LF >7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	26.28	2.64
<b>07 71 19 00-0193</b> Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0194)		
<b>07 71 19 00-0194</b> Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0193)		
07 71 19 00-0195 EA Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	132.43	3.44
07 71 19 00-0196 EA Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	143.58	3.44
07 71 19 00-0197 EA Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	148.46	3.44
<b>07 71 19 00-0198</b> Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0193)		
07 71 19 00-0199 EA Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	104.94	3.44
07 71 19 00-0200 EA Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	110.49	3.44
07 71 19 00-0201 EA Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	112.92	3.44
<b>07 71 19 00-0202</b> Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0183)		
<b>07 71 19 00-0203</b> 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0202)		
07 71 19 00-0204 LF 3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	23.83	2.45
07 71 19 00-0205 LF >5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	27.01	2.55
07 71 19 00-0206 LF >7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	28.69	2.64
<b>07 71 19 00-0207</b> 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0202)		
07 71 19 00-0208 LF 3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	25.07	2.45
07 71 19 00-0209 LF >5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	28.60	2.55
07 71 19 00-0210 LF >7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	30.48	2.64
<b>07 71 19 00-0211</b> Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0202)		
<b>07 71 19 00-0212</b> Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0211)		
07 71 19 00-0213 EA Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	163.82	3.44
07 71 19 00-0214 EA Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	177.76	3.44
07 71 19 00-0215 EA Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	183.86	3.44
<b>07 71 19 00-0216</b> Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0211)		
07 71 19 00-0217 EA Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	129.46	3.44
07 71 19 00-0218 EA Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	136.40	3.44
07 71 19 00-0219 EA Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	139.44	3.44
<b>07 71 23</b> <b>Manufactured Gutters and Downspouts</b> (07 71)		
Note: Includes all necessary support straps.		
07 71 23 00-0001 Aluminum Gutters And Downspouts (07 71 23)		
07 71 23 00-0002 Aluminum Gutters (07 71 23 00-0001)		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0003 K-Style Aluminum Gutters (07 71 23 00-0002)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0004 LF 5", 0.027" Thick, K-Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	11.38 2.45 1.01 -0.88 1.18	5.31
07 71 23 00-0005 LF 6", 0.027" Thick, K-Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	12.52 2.63 1.09 -0.92 1.50	5.60
07 71 23 00-0006 LF 5", 0.032" Thick, K-Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	11.76 2.49 1.03 -0.88 1.35	5.31
07 71 23 00-0007 LF 6", 0.032" Thick, K-Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	13.01 2.68 1.11 -0.92 1.72	5.60
07 71 23 00-0008 LF 7", 0.032" Thick, K-Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	22.27 3.71 1.61 -0.99 5.57	5.88
07 71 23 00-0009 LF 8", 0.032" Thick, K-Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	24.43 4.08 1.77 -1.09 6.08	6.61
07 71 23 00-0010 LF 8", 0.040" Thick, K-Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	27.04 4.34 1.90 -1.09 7.26	6.61
<b>07 71 23 00-0011 Half Round Aluminum Gutters</b> (07 71 23 00-0002)		
07 71 23 00-0012 LF 5", 0.027" Thick, Half Round Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	18.94 3.21 1.39 -0.88 4.58	5.31
07 71 23 00-0013 LF 6", 0.032" Thick, Half Round Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	22.43 3.62 1.58 -0.92 5.96	5.60
<b>07 71 23 00-0014 Box Style Aluminum Gutters</b> (07 71 23 00-0002)		
07 71 23 00-0015 LF 6", 0.027" Thick, Box Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	20.36 3.67 1.56 -1.09 4.25	6.61
07 71 23 00-0016 LF 6", 0.032" Thick, Box Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	20.40 3.68 1.57 -1.09 4.27	6.61
07 71 23 00-0017 LF 7", 0.032" Thick, Box Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	23.45 4.09 1.75 -1.16 5.32	7.03
07 71 23 00-0018 LF 8", 0.032" Thick, Box Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	26.27 4.48 1.93 -1.23 6.27	7.46
<b>07 71 23 00-0019 Aluminum Gutter End Caps</b> (07 71 23 00-0001)		
<b>07 71 23 00-0020 K-Style, Aluminum Gutter End Caps</b> (07 71 23 00-0019)		
07 71 23 00-0021 EA 5", K-Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	3.78 0.41	
07 71 23 00-0022 EA 6", K-Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	4.52 0.74	
07 71 23 00-0023 EA 7", K-Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	9.02 2.77	
07 71 23 00-0024 EA 8", K-Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	10.40 3.39	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>07 71 23 00-0025</b>	<b>Half Round, Aluminum Gutter End Caps</b> (07 71 23 00-0019)		
07 71 23 00-0026	EA 5", Half Round Aluminum Gutter End Cap.....	5.67	
	For Kynar 500® Finish, Add	1.26	
07 71 23 00-0027	EA 6", Half Round Aluminum Gutter End Cap.....	8.40	
	For Kynar 500® Finish, Add	2.49	
<b>07 71 23 00-0028</b>	<b>Box Style, Aluminum Gutter End Caps</b> (07 71 23 00-0019)		
07 71 23 00-0029	EA 6", Box Style Aluminum Gutter End Cap.....	9.78	
	For Kynar 500® Finish, Add	3.11	
07 71 23 00-0030	EA 7", Box Style Aluminum Gutter End Cap.....	10.57	
	For Kynar 500® Finish, Add	3.47	
07 71 23 00-0031	EA 8", Box Style Aluminum Gutter End Cap.....	12.29	
	For Kynar 500® Finish, Add	4.24	
<b>07 71 23 00-0032</b>	<b>Aluminum Gutter Miters</b> (07 71 23 00-0001)		
	Note: Inside or outside miters.		
<b>07 71 23 00-0033</b>	<b>K-Style, Aluminum Gutter Miters</b> (07 71 23 00-0032)		
07 71 23 00-0034	EA 5", K-Style Aluminum Gutter Miter.....	21.69	
	For Kynar 500® Finish, Add	3.24	
07 71 23 00-0035	EA 6", K-Style Aluminum Gutter Miter.....	27.96	
	For Kynar 500® Finish, Add	5.61	
07 71 23 00-0036	EA 7", K-Style Aluminum Gutter Miter.....	76.49	
	For Kynar 500® Finish, Add	27.00	
07 71 23 00-0037	EA 8", K-Style Aluminum Gutter Miter.....	82.97	
	For Kynar 500® Finish, Add	29.39	
<b>07 71 23 00-0038</b>	<b>Half Round, Aluminum Gutter Miters</b> (07 71 23 00-0032)		
07 71 23 00-0039	EA 5", Half Round Aluminum Gutter Miter.....	34.91	
	For Kynar 500® Finish, Add	9.19	
07 71 23 00-0040	EA 6", Half Round Aluminum Gutter Miter.....	53.11	
	For Kynar 500® Finish, Add	16.92	
<b>07 71 23 00-0041</b>	<b>Box Style, Aluminum Gutter Miters</b> (07 71 23 00-0032)		
07 71 23 00-0042	EA 6", Box Style Aluminum Gutter Miter.....	62.51	
	For Kynar 500® Finish, Add	21.15	
07 71 23 00-0043	EA 7", Box Style Aluminum Gutter Miter.....	91.49	
	For Kynar 500® Finish, Add	33.75	
07 71 23 00-0044	EA 8", Box Style Aluminum Gutter Miter.....	99.30	
	For Kynar 500® Finish, Add	36.74	
<b>07 71 23 00-0045</b>	<b>Aluminum Gutter Wire Strainers</b> (07 71 23 00-0001)		
07 71 23 00-0046	EA 3" Diameter, Round Aluminum Wire Strainer.....	16.05	3.59
	For Kynar 500® Finish, Add	3.86	
	For 0.024" Thick, Add	1.20	
	For 0.027" Thick, Add	2.49	
	For 0.031" Thick, Add	3.60	
07 71 23 00-0047	EA 4" Diameter, Round Aluminum Wire Strainer.....	23.28	3.59
	For Kynar 500® Finish, Add	7.11	
	For 0.024" Thick, Add	2.21	
	For 0.027" Thick, Add	4.58	
	For 0.031" Thick, Add	6.64	
<b>07 71 23 00-0048</b>	<b>Aluminum Downspouts</b> (07 71 23 00-0001)		
	Note: Includes elbows, hangers and fasteners.		
<b>07 71 23 00-0049</b>	<b>Round Aluminum Downspouts</b> (07 71 23 00-0048)		
07 71 23 00-0050	LF 3" Diameter, 0.019" Thick, Round Aluminum Downspout.....	7.32	3.45
	For Up To 100', Add	1.29	
	For >100 To 250', Add	0.55	
	For >1,000', Deduct	-0.37	
	For Kynar 500® Finish, Add	1.62	
	For 0.024" Thick, Add	0.50	
	For 0.027" Thick, Add	1.04	
	For 0.031" Thick, Add	1.51	
07 71 23 00-0051	LF 4" Diameter, 0.019" Thick, Round Aluminum Downspout.....	8.16	3.45
	For Up To 100', Add	1.38	
	For >100 To 250', Add	0.59	
	For >1,000', Deduct	-0.37	
	For Kynar 500® Finish, Add	1.99	
	For 0.024" Thick, Add	0.62	
	For 0.027" Thick, Add	1.28	
	For 0.031" Thick, Add	1.86	
<b>07 71 23 00-0052</b>	<b>Rectangular Aluminum Downspouts</b> (07 71 23 00-0048)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0053 LF 2" x 3", 0.019" Thick, Rectangular Aluminum Downspout.....	5.57	3.45
<i>For Up To 100', Add</i>	1.12	
<i>For &gt;100 To 250', Add</i>	0.47	
<i>For &gt;1,000', Deduct</i>	-0.37	
<i>For Kynar 500® Finish, Add</i>	0.83	
<i>For 0.024" Thick, Add</i>	0.26	
<i>For 0.027" Thick, Add</i>	0.53	
<i>For 0.031" Thick, Add</i>	0.77	
07 71 23 00-0054 LF 3" x 4", 0.019" Thick, Rectangular Aluminum Downspout.....	6.64	3.45
<i>For Up To 100', Add</i>	1.22	
<i>For &gt;100 To 250', Add</i>	0.52	
<i>For &gt;1,000', Deduct</i>	-0.37	
<i>For Kynar 500® Finish, Add</i>	1.31	
<i>For 0.024" Thick, Add</i>	0.41	
<i>For 0.027" Thick, Add</i>	0.84	
<i>For 0.031" Thick, Add</i>	1.22	
07 71 23 00-0055 LF 4" x 5", 0.019" Thick, Rectangular Aluminum Downspout.....	11.15	3.45
<i>For Up To 100', Add</i>	1.67	
<i>For &gt;100 To 250', Add</i>	0.74	
<i>For &gt;1,000', Deduct</i>	-0.37	
<i>For Kynar 500® Finish, Add</i>	3.34	
<i>For 0.024" Thick, Add</i>	1.04	
<i>For 0.027" Thick, Add</i>	2.15	
<i>For 0.031" Thick, Add</i>	3.12	
<b>07 71 23 00-0056 Aluminum Devices</b> (07 71 23 00-0001)		
07 71 23 00-0057 EA Thru-Wall Aluminum Scupper Outlet .....	178.29	22.06
<i>For Kynar 500® Finish, Add</i>	47.14	
07 71 23 00-0058 EA Aluminum Leader/Conductor Head.....	205.28	24.52
<i>For Kynar 500® Finish, Add</i>	70.32	
<b>07 71 23 00-0059 Copper Gutters And Downspouts</b> (07 71 23)		
<b>07 71 23 00-0060 Copper Gutters</b> (07 71 23 00-0059)		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
<b>07 71 23 00-0061 K-Style Copper Gutters</b> (07 71 23 00-0060)		
07 71 23 00-0062 LF 4", 16 Ounce, K-Style Copper Gutter.....	21.59	5.03
<i>For Up To 100', Add</i>	3.41	
<i>For &gt;100' To 250', Add</i>	1.50	
<i>For &gt;1,000', Deduct</i>	-0.83	
07 71 23 00-0063 LF 5", 16 Ounce, K-Style Copper Gutter.....	30.30	5.31
<i>For Up To 100', Add</i>	4.34	
<i>For &gt;100' To 250', Add</i>	1.95	
<i>For &gt;1,000', Deduct</i>	-0.88	
07 71 23 00-0064 LF 6", 16 Ounce, K-Style Copper Gutter.....	36.02	5.60
<i>For Up To 100', Add</i>	4.98	
<i>For &gt;100' To 250', Add</i>	2.26	
<i>For &gt;1,000', Deduct</i>	-0.92	
07 71 23 00-0065 LF 5", 20 Ounce, K-Style Copper Gutter.....	38.05	5.31
<i>For Up To 100', Add</i>	5.12	
<i>For &gt;100' To 250', Add</i>	2.34	
<i>For &gt;1,000', Deduct</i>	-0.88	
07 71 23 00-0066 LF 6", 20 Ounce, K-Style Copper Gutter.....	46.99	5.60
<i>For Up To 100', Add</i>	6.08	
<i>For &gt;100' To 250', Add</i>	2.81	
<i>For &gt;1,000', Deduct</i>	-0.92	
07 71 23 00-0067 LF 7", 20 Ounce, K-Style Copper Gutter.....	54.64	5.88
<i>For Up To 100', Add</i>	6.95	
<i>For &gt;100' To 250', Add</i>	3.23	
<i>For &gt;1,000', Deduct</i>	-0.99	
07 71 23 00-0068 LF 8", 20 Ounce, K-Style Copper Gutter.....	60.76	6.61
<i>For Up To 100', Add</i>	7.71	
<i>For &gt;100' To 250', Add</i>	3.58	
<i>For &gt;1,000', Deduct</i>	-1.09	
<b>07 71 23 00-0069 Half Round Copper Gutters</b> (07 71 23 00-0060)		
07 71 23 00-0070 LF 5", 16 Ounce, Half Round Copper Gutter .....	26.27	5.31
<i>For Up To 100', Add</i>	3.94	
<i>For &gt;100' To 250', Add</i>	1.75	
<i>For &gt;1,000', Deduct</i>	-0.88	
07 71 23 00-0071 LF 6", 16 Ounce, Half Round Copper Gutter .....	33.01	5.60
<i>For Up To 100', Add</i>	4.68	
<i>For &gt;100' To 250', Add</i>	2.11	
<i>For &gt;1,000', Deduct</i>	-0.92	
07 71 23 00-0072 LF 7", 16 Ounce, Half Round Copper Gutter .....	54.77	5.88
<i>For Up To 100', Add</i>	6.96	
<i>For &gt;100' To 250', Add</i>	3.23	
<i>For &gt;1,000', Deduct</i>	-0.99	
07 71 23 00-0073 LF 5", 20 Ounce, Half Round Copper Gutter .....	30.50	5.31
<i>For Up To 100', Add</i>	4.36	
<i>For &gt;100' To 250', Add</i>	1.96	
<i>For &gt;1,000', Deduct</i>	-0.88	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0074 LF 6", 20 Ounce, Half Round Copper Gutter.....	37.51	5.60
For Up To 100', Add	5.13	
For >100' To 250', Add	2.33	
For >1,000', Deduct	-0.92	
07 71 23 00-0075 LF 7", 20 Ounce, Half Round Copper Gutter.....	57.52	5.88
For Up To 100', Add	7.24	
For >100' To 250', Add	3.37	
For >1,000', Deduct	-0.99	
07 71 23 00-0076 LF 8", 20 Ounce, Half Round Copper Gutter.....	65.31	6.61
For Up To 100', Add	8.17	
For >100' To 250', Add	3.81	
For >1,000', Deduct	-1.09	
<b>07 71 23 00-0077 Box Style Copper Gutters (07 71 23 00-0060)</b>		
07 71 23 00-0078 LF 5", 16 Ounce, Box Style Copper Gutter .....	30.80	6.02
For Up To 100', Add	4.59	
For >100' To 250', Add	2.04	
For >1,000', Deduct	-1.01	
07 71 23 00-0079 LF 6", 16 Ounce, Box Style Copper Gutter .....	33.17	6.61
For Up To 100', Add	4.95	
For >100' To 250', Add	2.20	
For >1,000', Deduct	-1.09	
07 71 23 00-0080 LF 7", 16 Ounce, Box Style Copper Gutter .....	40.08	7.03
For Up To 100', Add	5.75	
For >100' To 250', Add	2.59	
For >1,000', Deduct	-1.16	
07 71 23 00-0081 LF 8", 16 Ounce, Box Style Copper Gutter .....	40.97	7.46
For Up To 100', Add	5.95	
For >100' To 250', Add	2.67	
For >1,000', Deduct	-1.23	
07 71 23 00-0082 LF 5", 20 Ounce, Box Style Copper Gutter .....	34.93	6.02
For Up To 100', Add	5.00	
For >100' To 250', Add	2.25	
For >1,000', Deduct	-1.01	
07 71 23 00-0083 LF 6", 20 Ounce, Box Style Copper Gutter .....	37.30	6.61
For Up To 100', Add	5.37	
For >100' To 250', Add	2.41	
For >1,000', Deduct	-1.09	
07 71 23 00-0084 LF 7", 20 Ounce, Box Style Copper Gutter .....	44.21	7.03
For Up To 100', Add	6.16	
For >100' To 250', Add	2.79	
For >1,000', Deduct	-1.16	
07 71 23 00-0085 LF 8", 20 Ounce, Box Style Copper Gutter .....	45.10	7.46
For Up To 100', Add	6.36	
For >100' To 250', Add	2.87	
For >1,000', Deduct	-1.23	
<b>07 71 23 00-0086 Copper Gutter End Caps (07 71 23 00-0059)</b>		
<b>07 71 23 00-0087 K-Style, Copper Gutter End Caps (07 71 23 00-0086)</b>		
07 71 23 00-0088 EA 4", K-Style Copper Gutter End Cap .....	7.44	
07 71 23 00-0089 EA 5", K-Style Copper Gutter End Cap .....	7.95	
07 71 23 00-0090 EA 6", K-Style Copper Gutter End Cap .....	8.45	
07 71 23 00-0091 EA 7", K-Style Copper Gutter End Cap .....	21.98	
07 71 23 00-0092 EA 8", K-Style Copper Gutter End Cap .....	26.73	
<b>07 71 23 00-0093 Half Round, Copper Gutter End Caps (07 71 23 00-0086)</b>		
07 71 23 00-0094 EA 4", Half Round Copper Gutter End Cap .....	8.94	
07 71 23 00-0095 EA 5", Half Round Copper Gutter End Cap .....	10.01	
07 71 23 00-0096 EA 6", Half Round Copper Gutter End Cap .....	14.96	
07 71 23 00-0097 EA 7", Half Round Copper Gutter End Cap .....	44.43	
07 71 23 00-0098 EA 8", Half Round Copper Gutter End Cap .....	52.43	
<b>07 71 23 00-0099 Box Style, Copper Gutter End Caps (07 71 23 00-0086)</b>		
07 71 23 00-0100 EA 5", Box Style Copper Gutter End Cap .....	16.91	
07 71 23 00-0101 EA 6", Box Style Copper Gutter End Cap .....	17.74	
07 71 23 00-0102 EA 7", Box Style Copper Gutter End Cap .....	18.56	
07 71 23 00-0103 EA 8", Box Style Copper Gutter End Cap .....	20.21	
<b>07 71 23 00-0104 Copper Gutter Miters (07 71 23 00-0059)</b>		
Note: Inside or outside miters.		
<b>07 71 23 00-0105 K-Style, Copper Gutter Miters (07 71 23 00-0104)</b>		
07 71 23 00-0106 EA 4", K-Style Copper Gutter Miter .....	47.39	
07 71 23 00-0107 EA 5", K-Style Copper Gutter Miter .....	53.59	
07 71 23 00-0108 EA 6", K-Style Copper Gutter Miter .....	76.60	
07 71 23 00-0109 EA 7", K-Style Copper Gutter Miter .....	107.80	
07 71 23 00-0110 EA 8", K-Style Copper Gutter Miter .....	126.29	



	MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>07 71 23 00-0111</b>		<b>Half Round, Copper Gutter Miters</b> (07 71 23 00-0104)		
	EA	4", Half Round Copper Gutter Miter .....	73.22	
	EA	5", Half Round Copper Gutter Miter .....	67.91	
	EA	6", Half Round Copper Gutter Miter .....	97.30	
	EA	7", Half Round Copper Gutter Miter .....	115.84	
	EA	8", Half Round Copper Gutter Miter .....	136.70	

<b>07 71 23 00-0117</b>		<b>Box Style, Copper Gutter Miters</b> (07 71 23 00-0104)		
	EA	5", 16 Ounce Box Style Copper Gutter Miter .....	80.48	
	EA	6", 16 Ounce Box Style Copper Gutter Miter .....	83.14	
	EA	7", 16 Ounce Box Style Copper Gutter Miter .....	90.75	
	EA	8", 16 Ounce Box Style Copper Gutter Miter .....	92.66	
	EA	5", 20 Ounce Box Style Copper Gutter Miter .....	88.74	
	EA	6", 20 Ounce Box Style Copper Gutter Miter .....	91.40	
	EA	7", 20 Ounce Box Style Copper Gutter Miter .....	99.01	
	EA	8", 20 Ounce Box Style Copper Gutter Miter .....	108.42	

<b>07 71 23 00-0126</b>		<b>Copper Gutter Wire Strainers</b> (07 71 23 00-0059)		
	EA	2" Diameter, Round Copper Wire Strainer .....	20.45	3.59
	EA	3" Diameter, Round Copper Wire Strainer .....	24.72	3.59
	EA	4" Diameter, Round Copper Wire Strainer .....	38.64	3.59
	EA	5" Diameter, Round Copper Wire Strainer .....	50.77	3.59
	EA	6" Diameter, Round Copper Wire Strainer .....	60.93	3.59

<b>07 71 23 00-0132</b>		<b>Copper Downspouts</b> (07 71 23 00-0059)		
		Note: Includes elbows, hangers and fasteners.		

<b>07 71 23 00-0133</b>		<b>Round Copper Downspouts</b> (07 71 23 00-0132)		
	LF	2" Diameter, 16 Ounce, Round Copper Downspout .....	29.92	3.45
		For Up To 100', Add	3.55	
		For >100 To 250', Add	1.68	
		For >1,000', Deduct	-0.37	
	LF	3" Diameter, 16 Ounce, Round Copper Downspout .....	20.98	3.45
		For Up To 100', Add	2.66	
		For >100 To 250', Add	1.24	
		For >1,000', Deduct	-0.37	
	LF	4" Diameter, 16 Ounce, Round Copper Downspout .....	26.33	3.45
		For Up To 100', Add	3.19	
		For >100 To 250', Add	1.50	
		For >1,000', Deduct	-0.37	
	LF	5" Diameter, 16 Ounce, Round Copper Downspout .....	41.79	3.45
		For Up To 100', Add	4.74	
		For >100 To 250', Add	2.28	
		For >1,000', Deduct	-0.37	
	LF	6" Diameter, 16 Ounce, Round Copper Downspout .....	53.60	3.45
		For Up To 100', Add	5.92	
		For >100 To 250', Add	2.87	
		For >1,000', Deduct	-0.37	
	LF	3" Diameter, 20 Ounce, Round Copper Downspout .....	28.22	3.45
		For Up To 100', Add	3.38	
		For >100 To 250', Add	1.60	
		For >1,000', Deduct	-0.37	
	LF	4" Diameter, 20 Ounce, Round Copper Downspout .....	36.48	3.45
		For Up To 100', Add	4.21	
		For >100 To 250', Add	2.01	
		For >1,000', Deduct	-0.37	
	LF	5" Diameter, 20 Ounce, Round Copper Downspout .....	55.21	3.45
		For Up To 100', Add	6.08	
		For >100 To 250', Add	2.95	
		For >1,000', Deduct	-0.37	

<b>07 71 23 00-0142</b>		<b>Square Copper Downspouts</b> (07 71 23 00-0132)		
	LF	3" Diameter, 16 Ounce, Square Copper Downspout .....	14.68	3.45
		For Up To 100', Add	2.03	
		For >100 To 250', Add	0.92	
		For >1,000', Deduct	-0.37	
	LF	4" Diameter, 16 Ounce, Square Copper Downspout .....	18.22	3.45
		For Up To 100', Add	2.38	
		For >100 To 250', Add	1.10	
		For >1,000', Deduct	-0.37	
	LF	5" Diameter, 16 Ounce, Square Copper Downspout .....	25.89	3.45
		For Up To 100', Add	3.15	
		For >100 To 250', Add	1.48	
		For >1,000', Deduct	-0.37	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0146 LF 3" Diameter, 20 Ounce, Square Copper Downspout .....	16.87	3.45
For Up To 100', Add	2.25	
For >100 To 250', Add	1.03	
For >1,000', Deduct	-0.37	
07 71 23 00-0147 LF 4" Diameter, 20 Ounce, Square Copper Downspout .....	21.30	3.45
For Up To 100', Add	2.69	
For >100 To 250', Add	1.25	
For >1,000', Deduct	-0.37	
07 71 23 00-0148 LF 5" Diameter, 20 Ounce, Square Copper Downspout .....	30.39	3.45
For Up To 100', Add	3.60	
For >100 To 250', Add	1.71	
For >1,000', Deduct	-0.37	
<b>07 71 23 00-0149 Rectangular Copper Downspouts (07 71 23 00-0132)</b>		
07 71 23 00-0150 LF 2" x 3", 16 Ounce, Rectangular Copper Downspout .....	21.53	3.45
For Up To 100', Add	2.71	
For >100 To 250', Add	1.26	
For >1,000', Deduct	-0.37	
07 71 23 00-0151 LF 3" x 4", 16 Ounce, Rectangular Copper Downspout .....	27.11	3.45
For Up To 100', Add	3.27	
For >100 To 250', Add	1.54	
For >1,000', Deduct	-0.37	
07 71 23 00-0152 LF 4" x 5", 16 Ounce, Rectangular Copper Downspout .....	38.37	3.45
For Up To 100', Add	4.40	
For >100 To 250', Add	2.11	
For >1,000', Deduct	-0.37	
07 71 23 00-0153 LF 2" x 3", 20 Ounce, Rectangular Copper Downspout .....	25.00	3.45
For Up To 100', Add	3.06	
For >100 To 250', Add	1.44	
For >1,000', Deduct	-0.37	
07 71 23 00-0154 LF 3" x 4", 20 Ounce, Rectangular Copper Downspout .....	31.92	3.45
For Up To 100', Add	3.75	
For >100 To 250', Add	1.78	
For >1,000', Deduct	-0.37	
07 71 23 00-0155 LF 4" x 5", 20 Ounce, Rectangular Copper Downspout .....	45.62	3.45
For Up To 100', Add	5.12	
For >100 To 250', Add	2.47	
For >1,000', Deduct	-0.37	
<b>07 71 23 00-0156 Copper Devices And Accessories (07 71 23 00-0059)</b>		
07 71 23 00-0157 EA Thru-Wall Copper Scupper Outlet.....	222.61	22.06
07 71 23 00-0158 EA Copper Leader/Conductor Head.....	332.84	24.52
07 71 23 00-0159 EA Copper Eave Box.....	159.00	21.53
<b>07 71 23 00-0160 Galvanized Steel Gutters And Downspouts (07 71 23)</b>		
<b>07 71 23 00-0161 Galvanized Steel Gutters (07 71 23 00-0160)</b>		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
<b>07 71 23 00-0162 K-Style Galvanized Steel Gutters (07 71 23 00-0161)</b>		
07 71 23 00-0163 LF 5", 26 Gauge, K-Style Galvanized Steel Gutter .....	15.27	5.31
For Up To 100', Add	2.84	
For >100' To 250', Add	1.20	
For >1,000', Deduct	-0.88	
For Kynar 500® Finish, Add	2.93	
For 24 Gauge, Add	1.82	
For 22 Gauge, Add	3.58	
07 71 23 00-0164 LF 6", 26 Gauge, K-Style Galvanized Steel Gutter .....	17.68	5.60
For Up To 100', Add	3.15	
For >100' To 250', Add	1.34	
For >1,000', Deduct	-0.92	
For Kynar 500® Finish, Add	3.83	
For 24 Gauge, Add	2.38	
For 22 Gauge, Add	4.68	
07 71 23 00-0165 LF 7", 26 Gauge, K-Style Galvanized Steel Gutter .....	36.06	5.88
For Up To 100', Add	5.09	
For >100' To 250', Add	2.30	
For >1,000', Deduct	-0.99	
For Kynar 500® Finish, Add	11.77	
For 24 Gauge, Add	7.32	
For 22 Gauge, Add	14.39	
07 71 23 00-0166 LF 8", 26 Gauge, K-Style Galvanized Steel Gutter .....	38.06	6.61
For Up To 100', Add	5.44	
For >100' To 250', Add	2.45	
For >1,000', Deduct	-1.09	
For Kynar 500® Finish, Add	12.22	
For 24 Gauge, Add	7.60	
For 22 Gauge, Add	14.93	
<b>07 71 23 00-0167 Half Round Galvanized Steel Gutters (07 71 23 00-0161)</b>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0168 LF 5", 26 Gauge, Half Round Galvanized Steel Gutter.....	22.00	5.31
For Up To 100', Add	3.51	
For >100' To 250', Add	1.54	
For >1,000', Deduct	-0.88	
For Kynar 500® Finish, Add	5.96	
For 24 Gauge, Add	3.71	
For 22 Gauge, Add	7.28	
07 71 23 00-0169 LF 6", 26 Gauge, Half Round Galvanized Steel Gutter.....	27.59	5.60
For Up To 100', Add	4.14	
For >100' To 250', Add	1.84	
For >1,000', Deduct	-0.92	
For Kynar 500® Finish, Add	8.28	
For 24 Gauge, Add	5.15	
For 22 Gauge, Add	10.13	
07 71 23 00-0170 LF 7", 26 Gauge, Half Round Galvanized Steel Gutter.....	68.55	5.88
For Up To 100', Add	8.34	
For >100' To 250', Add	3.92	
For >1,000', Deduct	-0.99	
For Kynar 500® Finish, Add	26.39	
For 24 Gauge, Add	16.42	
For 22 Gauge, Add	32.26	
07 71 23 00-0171 LF 8", 26 Gauge, Half Round Galvanized Steel Gutter.....	73.16	6.61
For Up To 100', Add	8.95	
For >100' To 250', Add	4.20	
For >1,000', Deduct	-1.09	
For Kynar 500® Finish, Add	28.01	
For 24 Gauge, Add	17.43	
For 22 Gauge, Add	34.24	
<b>07 71 23 00-0172 Box Style Galvanized Steel Gutters (07 71 23 00-0161)</b>		
07 71 23 00-0173 LF 5", 24 Gauge, Box Style Galvanized Steel Gutter.....	26.29	6.02
For Up To 100', Add	4.14	
For >100' To 250', Add	1.82	
For >1,000', Deduct	-1.01	
For Kynar 500® Finish, Add	7.31	
For 22 Gauge, Add	3.57	
07 71 23 00-0174 LF 6", 24 Gauge, Box Style Galvanized Steel Gutter.....	30.80	6.61
For Up To 100', Add	4.72	
For >100' To 250', Add	2.09	
For >1,000', Deduct	-1.09	
For Kynar 500® Finish, Add	8.95	
For 22 Gauge, Add	4.38	
07 71 23 00-0175 LF 7", 24 Gauge, Box Style Galvanized Steel Gutter.....	38.65	5.88
For Up To 100', Add	5.35	
For >100' To 250', Add	2.43	
For >1,000', Deduct	-0.99	
For Kynar 500® Finish, Add	12.94	
For 22 Gauge, Add	6.33	
07 71 23 00-0176 LF 8", 24 Gauge, Box Style Galvanized Steel Gutter.....	43.02	7.46
For Up To 100', Add	6.15	
For >100' To 250', Add	2.77	
For >1,000', Deduct	-1.23	
For Kynar 500® Finish, Add	13.81	
For 22 Gauge, Add	6.75	
<b>07 71 23 00-0177 Galvanized Steel Gutter End Caps (07 71 23 00-0160)</b>		
<b>07 71 23 00-0178 K-Style, Galvanized Steel Gutter End Caps (07 71 23 00-0177)</b>		
07 71 23 00-0179 EA 5", K-Style Galvanized Steel Gutter End Cap.....	6.77	
For Kynar 500® Finish, Add	1.76	
07 71 23 00-0180 EA 6", K-Style Galvanized Steel Gutter End Cap.....	7.80	
For Kynar 500® Finish, Add	2.22	
07 71 23 00-0181 EA 7", K-Style Galvanized Steel Gutter End Cap.....	16.91	
For Kynar 500® Finish, Add	6.32	
07 71 23 00-0182 EA 8", K-Style Galvanized Steel Gutter End Cap.....	24.52	
For Kynar 500® Finish, Add	9.74	
<b>07 71 23 00-0183 Half Round, Galvanized Steel Gutter End Caps (07 71 23 00-0177)</b>		
07 71 23 00-0184 EA 5", Half Round Galvanized Steel Gutter End Cap.....	8.70	
For Kynar 500® Finish, Add	2.62	
07 71 23 00-0185 EA 6", Half Round Galvanized Steel Gutter End Cap.....	10.01	
For Kynar 500® Finish, Add	3.21	
07 71 23 00-0186 EA 7", Half Round Galvanized Steel Gutter End Cap.....	18.65	
For Kynar 500® Finish, Add	7.10	
07 71 23 00-0187 EA 8", Half Round Galvanized Steel Gutter End Cap.....	25.21	
For Kynar 500® Finish, Add	10.05	
<b>07 71 23 00-0188 Box Style, Galvanized Steel Gutter End Caps (07 71 23 00-0177)</b>		
07 71 23 00-0189 EA 5", Box Style Galvanized Steel Gutter End Cap.....	15.60	
For Kynar 500® Finish, Add	5.73	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0190	EA		6", Box Style Galvanized Steel Gutter End Cap.....	18.78	
			<i>For Kynar 500® Finish, Add</i>	7.16	
07 71 23 00-0191	EA		7", Box Style Galvanized Steel Gutter End Cap.....	21.04	
			<i>For Kynar 500® Finish, Add</i>	8.18	
07 71 23 00-0192	EA		8", Box Style Galvanized Steel Gutter End Cap.....	28.18	
			<i>For Kynar 500® Finish, Add</i>	11.39	
<b>07 71 23 00-0193</b>			<b>Galvanized Steel Gutter Miters</b> (07 71 23 00-0160)		
			Note: Inside or outside miters.		
<b>07 71 23 00-0194</b>			<b>K-Style, Galvanized Steel Gutter Miters</b> (07 71 23 00-0193)		
07 71 23 00-0195	EA		5", K-Style Galvanized Steel Gutter Miter .....	40.94	
			<i>For Kynar 500® Finish, Add</i>	11.90	
07 71 23 00-0196	EA		6", K-Style Galvanized Steel Gutter Miter .....	66.10	
			<i>For Kynar 500® Finish, Add</i>	22.77	
07 71 23 00-0197	EA		7", K-Style Galvanized Steel Gutter Miter .....	105.49	
			<i>For Kynar 500® Finish, Add</i>	40.05	
07 71 23 00-0198	EA		8", K-Style Galvanized Steel Gutter Miter .....	118.55	
			<i>For Kynar 500® Finish, Add</i>	45.41	
<b>07 71 23 00-0199</b>			<b>Half Round, Galvanized Steel Gutter Miters</b> (07 71 23 00-0193)		
07 71 23 00-0200	EA		5", Half Round Galvanized Steel Gutter Miter.....	55.89	
			<i>For Kynar 500® Finish, Add</i>	18.63	
07 71 23 00-0201	EA		6", Half Round Galvanized Steel Gutter Miter.....	62.79	
			<i>For Kynar 500® Finish, Add</i>	21.28	
07 71 23 00-0202	EA		7", Half Round Galvanized Steel Gutter Miter.....	177.32	
			<i>For Kynar 500® Finish, Add</i>	72.37	
07 71 23 00-0203	EA		8", Half Round Galvanized Steel Gutter Miter.....	187.40	
			<i>For Kynar 500® Finish, Add</i>	76.39	
<b>07 71 23 00-0204</b>			<b>Box Style, Galvanized Steel Gutter Miters</b> (07 71 23 00-0193)		
07 71 23 00-0205	EA		5", Box Style Galvanized Steel Gutter Miter.....	52.89	
			<i>For Kynar 500® Finish, Add</i>	17.28	
07 71 23 00-0206	EA		6", Box Style Galvanized Steel Gutter Miter.....	85.89	
			<i>For Kynar 500® Finish, Add</i>	31.68	
07 71 23 00-0207	EA		7", Box Style Galvanized Steel Gutter Miter.....	111.44	
			<i>For Kynar 500® Finish, Add</i>	42.72	
07 71 23 00-0208	EA		8", Box Style Galvanized Steel Gutter Miter.....	118.55	
			<i>For Kynar 500® Finish, Add</i>	45.41	
<b>07 71 23 00-0209</b>			<b>Galvanized Steel Gutter Wire Strainers</b> (07 71 23 00-0160)		
07 71 23 00-0210	EA		3" Diameter, Round Galvanized Steel Wire Strainer.....	14.30	3.59
			<i>For Kynar 500® Finish, Add</i>	3.07	
07 71 23 00-0211	EA		4" Diameter, Round Galvanized Steel Wire Strainer.....	20.12	3.59
			<i>For Kynar 500® Finish, Add</i>	5.69	
<b>07 71 23 00-0212</b>			<b>Galvanized Steel Downspouts</b> (07 71 23 00-0160)		
			Note: Includes elbows, hangers and fasteners.		
<b>07 71 23 00-0213</b>			<b>Round Galvanized Steel Downspouts</b> (07 71 23 00-0212)		
07 71 23 00-0214	LF		3" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	8.49	3.45
			<i>For Up To 100', Add</i>	1.41	
			<i>For &gt;100 To 250', Add</i>	0.61	
			<i>For &gt;1,000', Deduct</i>	-0.37	
			<i>For Kynar 500® Finish, Add</i>	2.14	
			<i>For 24 Gauge, Add</i>	1.33	
			<i>For 22 Gauge, Add</i>	2.62	
07 71 23 00-0215	LF		4" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	10.52	3.45
			<i>For Up To 100', Add</i>	1.61	
			<i>For &gt;100 To 250', Add</i>	0.71	
			<i>For &gt;1,000', Deduct</i>	-0.37	
			<i>For Kynar 500® Finish, Add</i>	3.06	
			<i>For 24 Gauge, Add</i>	1.90	
			<i>For 22 Gauge, Add</i>	3.73	
07 71 23 00-0216	LF		5" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	14.28	3.45
			<i>For Up To 100', Add</i>	1.99	
			<i>For &gt;100 To 250', Add</i>	0.90	
			<i>For &gt;1,000', Deduct</i>	-0.37	
			<i>For Kynar 500® Finish, Add</i>	4.75	
			<i>For 24 Gauge, Add</i>	2.95	
			<i>For 22 Gauge, Add</i>	5.80	
07 71 23 00-0217	LF		6" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	31.66	3.45
			<i>For Up To 100', Add</i>	3.73	
			<i>For &gt;100 To 250', Add</i>	1.77	
			<i>For &gt;1,000', Deduct</i>	-0.37	
			<i>For Kynar 500® Finish, Add</i>	12.57	
			<i>For 24 Gauge, Add</i>	7.82	
			<i>For 22 Gauge, Add</i>	15.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 71 23 00-0218 Square Galvanized Steel Downspouts</b> (07 71 23 00-0212)		
07 71 23 00-0219 LF 4" x 4", 26 Gauge, Square Galvanized Steel Downspout .....	9.62	3.45
For Up To 100', Add	1.52	
For >100 To 250', Add	0.67	
For >1,000', Deduct	-0.37	
For Kynar 500® Finish, Add	2.65	
For 24 Gauge, Add	1.65	
For 22 Gauge, Add	3.24	
07 71 23 00-0220 LF 5" x 5", 26 Gauge, Square Galvanized Steel Downspout .....	12.30	3.45
For Up To 100', Add	1.79	
For >100 To 250', Add	0.80	
For >1,000', Deduct	-0.37	
For Kynar 500® Finish, Add	3.86	
For 24 Gauge, Add	2.40	
For 22 Gauge, Add	4.71	
<b>07 71 23 00-0221 Rectangular Galvanized Steel Downspouts</b> (07 71 23 00-0212)		
07 71 23 00-0222 LF 2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout.....	8.64	3.45
For Up To 100', Add	1.42	
For >100 To 250', Add	0.62	
For >1,000', Deduct	-0.37	
For Kynar 500® Finish, Add	2.21	
For 24 Gauge, Add	1.37	
For 22 Gauge, Add	2.70	
07 71 23 00-0223 LF 3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout.....	10.99	3.45
For Up To 100', Add	1.66	
For >100 To 250', Add	0.74	
For >1,000', Deduct	-0.37	
For Kynar 500® Finish, Add	3.27	
For 24 Gauge, Add	2.03	
For 22 Gauge, Add	3.99	
07 71 23 00-0224 LF 4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout.....	20.33	3.45
For Up To 100', Add	2.59	
For >100 To 250', Add	1.20	
For >1,000', Deduct	-0.37	
For Kynar 500® Finish, Add	7.47	
For 24 Gauge, Add	4.65	
For 22 Gauge, Add	9.13	
<b>07 71 23 00-0225 Galvanized Steel Devices</b> (07 71 23 00-0160)		
07 71 23 00-0226 EA Galvanized Steel Leader/Conductor Head .....	352.85	24.52
For Kynar 500® Finish, Add	136.72	
07 71 23 00-0227 EA Thru-Wall Galvanized Steel Scupper Outlet .....	160.08	22.06
For Kynar 500® Finish, Add	38.95	
<b>07 71 23 00-0228 Stainless Steel Gutters And Downspouts</b> (07 71 23)		
Note: AISI type 304 stainless steel.		
<b>07 71 23 00-0229 Stainless Steel Gutters</b> (07 71 23 00-0228)		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
<b>07 71 23 00-0230 K-Style, Stainless Steel Gutters</b> (07 71 23 00-0229)		
07 71 23 00-0231 LF 5", 26 Gauge, K-Style Stainless Steel Gutter.....	35.20	5.31
For Up To 100', Add	4.83	
For >100' To 250', Add	2.20	
For >1,000', Deduct	-0.88	
For 316 Stainless Steel, Add	10.05	
For 24 Gauge, Add	8.73	
For 22 Gauge, Add	17.45	
For 20 Gauge, Add	26.18	
07 71 23 00-0232 LF 6", 26 Gauge, K-Style Stainless Steel Gutter.....	42.25	5.60
For Up To 100', Add	5.60	
For >100' To 250', Add	2.57	
For >1,000', Deduct	-0.92	
For 316 Stainless Steel, Add	12.57	
For 24 Gauge, Add	10.91	
For 22 Gauge, Add	21.83	
For 20 Gauge, Add	32.74	
<b>07 71 23 00-0233 Half Round, Stainless Steel Gutters</b> (07 71 23 00-0229)		
07 71 23 00-0234 LF 5", 26 Gauge, Half Round Stainless Steel Gutter .....	48.80	5.31
For Up To 100', Add	6.19	
For >100' To 250', Add	2.88	
For >1,000', Deduct	-0.88	
For 316 Stainless Steel, Add	15.22	
For 24 Gauge, Add	13.21	
For 22 Gauge, Add	26.43	
For 20 Gauge, Add	39.64	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0235	LF	6"	26 Gauge, Half Round Stainless Steel Gutter .....	59.15	5.60
			<i>For Up To 100', Add</i>	7.29	
			<i>For &gt;100' To 250', Add</i>	3.42	
			<i>For &gt;1,000', Deduct</i>	-0.92	
			<i>For 316 Stainless Steel, Add</i>	18.99	
			<i>For 24 Gauge, Add</i>	16.49	
			<i>For 22 Gauge, Add</i>	32.98	
			<i>For 20 Gauge, Add</i>	49.47	
<b>07 71 23 00-0236</b>			<b>Box Style, Stainless Steel Gutters (07 71 23 00-0229)</b>		
07 71 23 00-0237	LF	5"	26 Gauge, Box Style Stainless Steel Gutter .....	47.76	6.02
			<i>For Up To 100', Add</i>	6.28	
			<i>For &gt;100' To 250', Add</i>	2.89	
			<i>For &gt;1,000', Deduct</i>	-1.01	
			<i>For 316 Stainless Steel, Add</i>	14.33	
			<i>For 24 Gauge, Add</i>	12.44	
			<i>For 22 Gauge, Add</i>	24.89	
			<i>For 20 Gauge, Add</i>	37.33	
			<i>For 18 Gauge, Add</i>	62.60	
			<i>For Seamless Gutter, Add</i>	-0.38	
07 71 23 00-0238	LF	6"	26 Gauge, Box Style Stainless Steel Gutter .....	58.28	6.61
			<i>For Up To 100', Add</i>	7.46	
			<i>For &gt;100' To 250', Add</i>	3.46	
			<i>For &gt;1,000', Deduct</i>	-1.09	
			<i>For 316 Stainless Steel, Add</i>	18.00	
			<i>For 24 Gauge, Add</i>	15.63	
			<i>For 22 Gauge, Add</i>	31.26	
			<i>For 20 Gauge, Add</i>	46.90	
			<i>For 18 Gauge, Add</i>	78.63	
			<i>For Seamless Gutter, Add</i>	-0.73	
07 71 23 00-0239	LF	7"	26 Gauge, Box Style Stainless Steel Gutter .....	68.87	7.03
			<i>For Up To 100', Add</i>	8.63	
			<i>For &gt;100' To 250', Add</i>	4.02	
			<i>For &gt;1,000', Deduct</i>	-1.16	
			<i>For 316 Stainless Steel, Add</i>	21.76	
			<i>For 24 Gauge, Add</i>	18.89	
			<i>For 22 Gauge, Add</i>	37.79	
			<i>For 20 Gauge, Add</i>	56.68	
			<i>For 18 Gauge, Add</i>	95.04	
			<i>For Seamless Gutter, Add</i>	-1.12	
07 71 23 00-0240	LF	8"	26 Gauge, Box Style Stainless Steel Gutter .....	74.89	7.46
			<i>For Up To 100', Add</i>	9.34	
			<i>For &gt;100' To 250', Add</i>	4.36	
			<i>For &gt;1,000', Deduct</i>	-1.23	
			<i>For 316 Stainless Steel, Add</i>	23.77	
			<i>For 24 Gauge, Add</i>	20.64	
			<i>For 22 Gauge, Add</i>	41.28	
			<i>For 20 Gauge, Add</i>	61.92	
			<i>For 18 Gauge, Add</i>	103.83	
			<i>For Seamless Gutter, Add</i>	-1.28	
<b>07 71 23 00-0241</b>			<b>Stainless Steel Gutter End Caps (07 71 23 00-0228)</b>		
<b>07 71 23 00-0242</b>			<b>K-Style, Stainless Steel Gutter End Caps (07 71 23 00-0241)</b>		
07 71 23 00-0243	EA	5"	K-Style Stainless Steel Gutter End Cap.....	11.14	
			<i>For 316 Stainless Steel, Add</i>	3.14	
07 71 23 00-0244	EA	6"	K-Style Stainless Steel Gutter End Cap.....	12.80	
			<i>For 316 Stainless Steel, Add</i>	3.77	
<b>07 71 23 00-0245</b>			<b>Half Round, Stainless Steel Gutter End Caps (07 71 23 00-0241)</b>		
07 71 23 00-0246	EA	5"	Half Round Stainless Steel Gutter End Cap .....	13.21	
			<i>For 316 Stainless Steel, Add</i>	3.93	
07 71 23 00-0247	EA	6"	Half Round Stainless Steel Gutter End Cap .....	15.28	
			<i>For 316 Stainless Steel, Add</i>	4.72	
<b>07 71 23 00-0248</b>			<b>Box Style, Stainless Steel Gutter End Caps (07 71 23 00-0241)</b>		
07 71 23 00-0249	EA	5"	Box Style Stainless Steel Gutter End Cap.....	13.93	
			<i>For 316 Stainless Steel, Add</i>	3.93	
07 71 23 00-0250	EA	6"	Box Style Stainless Steel Gutter End Cap.....	16.00	
			<i>For 316 Stainless Steel, Add</i>	4.72	
07 71 23 00-0251	EA	7"	Box Style Stainless Steel Gutter End Cap.....	16.75	
			<i>For 316 Stainless Steel, Add</i>	5.09	
07 71 23 00-0252	EA	8"	Box Style Stainless Steel Gutter End Cap.....	20.32	
			<i>For 316 Stainless Steel, Add</i>	6.27	
<b>07 71 23 00-0253</b>			<b>Stainless Steel Gutter Miters (07 71 23 00-0228)</b>		
			Note: Inside or outside box miters.		
<b>07 71 23 00-0254</b>			<b>K-Style, Stainless Steel Gutter Miters (07 71 23 00-0253)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0255 EA 5", K-Style Stainless Steel Gutter Miter ..... <i>For 316 Stainless Steel, Add</i>	57.23 16.24	
07 71 23 00-0256 EA 6", K-Style Stainless Steel Gutter Miter ..... <i>For 316 Stainless Steel, Add</i>	91.33 28.82	
<b>07 71 23 00-0257 Half Round, Stainless Steel Gutter Miters</b> (07 71 23 00-0253)		
07 71 23 00-0258 EA 5", Half Round Stainless Steel Gutter Miter ..... <i>For 316 Stainless Steel, Add</i>	139.95 47.67	
07 71 23 00-0259 EA 6", Half Round Stainless Steel Gutter Miter ..... <i>For 316 Stainless Steel, Add</i>	171.24 59.18	
<b>07 71 23 00-0260 Box-Style, Stainless Steel Gutter Miters</b> (07 71 23 00-0253)		
07 71 23 00-0261 EA 5", Box-Style Stainless Steel Gutter Miter..... <i>For 316 Stainless Steel, Add</i>	65.78 19.49	
07 71 23 00-0262 EA 6", Box-Style Stainless Steel Gutter Miter..... <i>For 316 Stainless Steel, Add</i>	106.49 34.58	
07 71 23 00-0263 EA 7", Box-Style Stainless Steel Gutter Miter..... <i>For 316 Stainless Steel, Add</i>	122.66 40.34	
07 71 23 00-0264 EA 8", Box-Style Stainless Steel Gutter Miter..... <i>For 316 Stainless Steel, Add</i>	138.98 46.11	
<b>07 71 23 00-0265 Stainless Steel Gutter Wire Strainers</b> (07 71 23 00-0228)		
07 71 23 00-0266 EA 3" Diameter, Round Stainless Steel Wire Strainer .....	44.23	3.59
07 71 23 00-0267 EA 4" Diameter, Round Stainless Steel Wire Strainer .....	45.23	3.59
<b>07 71 23 00-0268 Stainless Steel Downspouts</b> (07 71 23 00-0228) Note: Includes elbows, hangers and fasteners.		
<b>07 71 23 00-0269 Round Stainless Steel Downspouts</b> (07 71 23 00-0268)		
07 71 23 00-0270 LF 3" Diameter, 26 Gauge, Round Stainless Steel Downspout .....	20.82	3.45
<i>For Up To 100', Add</i>	2.64	
<i>For &gt;100 To 250', Add</i>	1.23	
<i>For &gt;1,000', Deduct</i>	-0.37	
<i>For 316 Stainless Steel, Add</i>	6.49	
<i>For 24 Gauge, Add</i>	5.64	
<i>For 22 Gauge, Add</i>	11.28	
<i>For 20 Gauge, Add</i>	16.92	
07 71 23 00-0271 LF 4" Diameter, 26 Gauge, Round Stainless Steel Downspout .....	27.44	3.45
<i>For Up To 100', Add</i>	3.30	
<i>For &gt;100 To 250', Add</i>	1.56	
<i>For &gt;1,000', Deduct</i>	-0.37	
<i>For 316 Stainless Steel, Add</i>	9.01	
<i>For 24 Gauge, Add</i>	7.82	
<i>For 22 Gauge, Add</i>	15.65	
<i>For 20 Gauge, Add</i>	23.47	
07 71 23 00-0272 LF 5" Diameter, 26 Gauge, Round Stainless Steel Downspout .....	39.96	3.45
<i>For Up To 100', Add</i>	4.56	
<i>For &gt;100 To 250', Add</i>	2.18	
<i>For &gt;1,000', Deduct</i>	-0.37	
<i>For 316 Stainless Steel, Add</i>	13.77	
<i>For 24 Gauge, Add</i>	11.96	
<i>For 22 Gauge, Add</i>	23.91	
<i>For 20 Gauge, Add</i>	35.87	
<b>07 71 23 00-0273 Rectangular Stainless Steel Downspouts</b> (07 71 23 00-0268)		
07 71 23 00-0274 LF 2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout.....	21.31	3.45
<i>For Up To 100', Add</i>	2.69	
<i>For &gt;100 To 250', Add</i>	1.25	
<i>For &gt;1,000', Deduct</i>	-0.37	
<i>For 316 Stainless Steel, Add</i>	6.68	
<i>For 24 Gauge, Add</i>	5.80	
<i>For 22 Gauge, Add</i>	11.60	
<i>For 20 Gauge, Add</i>	17.40	
<i>For 18 Gauge, Add</i>	29.18	
07 71 23 00-0275 LF 3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout .....	28.44	3.45
<i>For Up To 100', Add</i>	3.40	
<i>For &gt;100 To 250', Add</i>	1.61	
<i>For &gt;1,000', Deduct</i>	-0.37	
<i>For 316 Stainless Steel, Add</i>	9.39	
<i>For 24 Gauge, Add</i>	8.15	
<i>For 22 Gauge, Add</i>	16.31	
<i>For 20 Gauge, Add</i>	24.46	
<i>For 18 Gauge, Add</i>	41.02	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0276	LF		4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout .....	36.78	3.45
			For Up To 100', Add	4.24	
			For >100 To 250', Add	2.03	
			For >1,000', Deduct	-0.37	
			For 316 Stainless Steel, Add	12.56	
			For 24 Gauge, Add	10.91	
			For 22 Gauge, Add	21.81	
			For 20 Gauge, Add	32.72	
			For 18 Gauge, Add	54.86	
<b>07 71 23 00-0277</b>			<b>Stainless Steel Devices</b> (07 71 23 00-0228)		
07 71 23 00-0278	EA		Thru-Wall Stainless Steel Scupper Outlet.....	236.27	32.29
			For 316 Stainless Steel, Add	48.88	
07 71 23 00-0279	EA		Stainless Steel Leader/Conductor Head.....	497.12	32.29
			For 316 Stainless Steel, Add	161.64	
<b>07 71 23 00-0280</b>			<b>Vinyl Gutters And Downspouts</b> (07 71 23)		
<b>07 71 23 00-0281</b>			<b>Vinyl Gutters</b> (07 71 23 00-0280)		
			Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
<b>07 71 23 00-0282</b>			<b>K-Style Vinyl Gutters</b> (07 71 23 00-0281)		
07 71 23 00-0283	LF		4", K-Style Vinyl Gutter .....	12.15	3.59
			For Up To 100', Add	2.11	
			For >100' To 250', Add	0.91	
			For >1,000', Deduct	-0.60	
07 71 23 00-0284	LF		5", K-Style Vinyl Gutter .....	15.33	3.59
			For Up To 100', Add	2.43	
			For >100' To 250', Add	1.07	
			For >1,000', Deduct	-0.60	
<b>07 71 23 00-0285</b>			<b>Half Round Vinyl Gutters</b> (07 71 23 00-0281)		
07 71 23 00-0286	LF		4", Half Round Vinyl Gutter .....	12.52	3.59
			For Up To 100', Add	2.15	
			For >100' To 250', Add	0.93	
			For >1,000', Deduct	-0.60	
07 71 23 00-0287	LF		5", Half Round Vinyl Gutter .....	13.10	3.59
			For Up To 100', Add	2.21	
			For >100' To 250', Add	0.95	
			For >1,000', Deduct	-0.60	
<b>07 71 23 00-0288</b>			<b>Vinyl Gutter End Caps</b> (07 71 23 00-0280)		
<b>07 71 23 00-0289</b>			<b>K-Style, Vinyl Gutter End Caps</b> (07 71 23 00-0288)		
07 71 23 00-0290	EA		4", K-Style Vinyl Gutter End Cap .....	7.35	
07 71 23 00-0291	EA		5", K-Style Vinyl Gutter End Cap .....	9.98	
<b>07 71 23 00-0292</b>			<b>Half Round, Vinyl Gutter End Caps</b> (07 71 23 00-0288)		
07 71 23 00-0293	EA		4", Half Round Vinyl Gutter End Cap .....	8.32	
07 71 23 00-0294	EA		5", Half Round Vinyl Gutter End Cap .....	7.88	
<b>07 71 23 00-0295</b>			<b>Vinyl Gutter Miters</b> (07 71 23 00-0280)		
			Note: Inside or outside miters.		
<b>07 71 23 00-0296</b>			<b>K-Style, Vinyl Gutter Miters</b> (07 71 23 00-0295)		
07 71 23 00-0297	EA		4", K-Style Vinyl Gutter Miter .....	17.90	
07 71 23 00-0298	EA		5", K-Style Vinyl Gutter Miter .....	26.42	
<b>07 71 23 00-0299</b>			<b>Half Round, Vinyl Gutter Miters</b> (07 71 23 00-0295)		
07 71 23 00-0300	EA		4", Half Round Vinyl Gutter Miter .....	17.90	
07 71 23 00-0301	EA		5", Half Round Vinyl Gutter Miter .....	19.37	
<b>07 71 23 00-0302</b>			<b>Vinyl Downspouts</b> (07 71 23 00-0280)		
			Note: Includes elbows, hangers and fasteners.		
<b>07 71 23 00-0303</b>			<b>Round Vinyl Downspouts</b> (07 71 23 00-0302)		
07 71 23 00-0304	LF		2-1/2" Diameter, Round Vinyl Downspout.....	7.94	3.45
			For Up To 100', Add	1.35	
			For >100 To 250', Add	0.58	
			For >1,000', Deduct	-0.37	
07 71 23 00-0305	LF		3" Diameter, Round Vinyl Downspout.....	8.25	3.45
			For Up To 100', Add	1.38	
			For >100 To 250', Add	0.60	
			For >1,000', Deduct	-0.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 71 23 00-0306 Square Vinyl Downspouts</b> (07 71 23 00-0302)		
07 71 23 00-0307 LF 2-1/2", Square Vinyl Downspout.....	7.82	3.45
For Up To 100', Add	1.34	
For >100 To 250', Add	0.58	
For >1,000', Deduct	-0.37	
<b>07 71 23 00-0308 Rectangular Vinyl Downspouts</b> (07 71 23 00-0302)		
07 71 23 00-0309 LF 2" x 3", Rectangular Vinyl Downspout .....	9.81	3.45
For Up To 100', Add	1.54	
For >100 To 250', Add	0.68	
For >1,000', Deduct	-0.37	
<b>07 71 23 00-0310 Gutter And Downspout Boots</b> (07 71 23)		
<b>07 71 23 00-0311 Cast Iron Roof Drainage Downspout Boots</b> (07 71 23 00-0310)		
07 71 23 00-0312 EA 2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	313.91	5.17
07 71 23 00-0313 EA 3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	409.06	5.17
07 71 23 00-0314 EA 4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot.....	488.17	5.17
<b>07 71 23 00-0315 Cast Iron Roof Drainage Downspout Boots With Cleanouts</b> (07 71 23 00-0310)		
07 71 23 00-0316 EA 3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout .....	542.03	5.17
07 71 23 00-0317 EA 4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout .....	662.09	5.17
07 71 23 00-0318 EA 5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout .....	1,201.24	5.17
<b>07 71 23 00-0319 Wall Mounted Downspout Covers With Hinged Perforated Cover</b> (07 71 23)		
07 71 23 00-0320 EA 3" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03).....	1,077.68	26.36
For Polished Brass Finish (-PB), Add	102.50	
For Chrome Plated Finish (-CP), Add	153.74	
For Vandal Proof (-U), Add	51.25	
07 71 23 00-0321 EA 4" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04).....	1,095.26	35.15
For Polished Brass Finish (-PB), Add	102.50	
For Chrome Plated Finish (-CP), Add	153.74	
For Vandal Proof (-U), Add	51.25	
07 71 23 00-0322 EA 6" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06).....	1,174.09	45.80
For Polished Brass Finish (-PB), Add	108.25	
For Chrome Plated Finish (-CP), Add	162.38	
For Vandal Proof (-U), Add	54.13	
07 71 23 00-0323 EA 8" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08).....	1,250.25	57.83
For Polished Brass Finish (-PB), Add	113.46	
For Chrome Plated Finish (-CP), Add	170.19	
For Vandal Proof (-U), Add	56.73	
07 71 23 00-0324 EA 10" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10).....	1,343.06	71.24
For Polished Brass Finish (-PB), Add	120.06	
For Chrome Plated Finish (-CP), Add	180.09	
For Vandal Proof (-U), Add	60.03	
07 71 23 00-0325 EA 12" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12).....	1,472.43	99.46
For Polished Brass Finish (-PB), Add	127.35	
For Chrome Plated Finish (-CP), Add	191.03	
For Vandal Proof (-U), Add	63.68	
07 71 23 00-0326 EA 15" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15).....	1,622.08	138.32
For Polished Brass Finish (-PB), Add	134.54	
For Chrome Plated Finish (-CP), Add	201.82	
For Vandal Proof (-U), Add	67.27	
<b>07 71 23 00-0327 Wall Mounted Downspout Nozzle</b> (07 71 23)		
07 71 23 00-0328 EA 3" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03).....	273.98	26.36
For Nickel Bronze Finish (-NB), Add	154.88	
For Polished Bronze Finish (-PB), Add	121.69	
For Chrome Plated Finish (-CP), Add	196.92	
07 71 23 00-0329 EA 4" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04).....	291.56	35.15
For Nickel Bronze Finish (-NB), Add	154.88	
For Polished Bronze Finish (-PB), Add	121.69	
For Chrome Plated Finish (-CP), Add	196.92	
07 71 23 00-0330 EA 6" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06).....	616.47	45.80
For Nickel Bronze Finish (-NB), Add	157.46	
For Polished Bronze Finish (-PB), Add	89.23	
For Chrome Plated Finish (-CP), Add	230.95	
07 71 23 00-0331 EA 8" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08).....	912.40	57.83
For Nickel Bronze Finish (-NB), Add	135.45	
For Polished Bronze Finish (-PB), Add	103.58	
For Chrome Plated Finish (-CP), Add	231.06	
07 71 23 00-0332 EA 10" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10).....	1,176.86	71.24
For Nickel Bronze Finish (-NB), Add	175.84	
For Polished Bronze Finish (-PB), Add	134.47	
For Chrome Plated Finish (-CP), Add	299.97	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0333	EA		12" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12) .....	1,500.21	99.46
			<i>For Nickel Bronze Finish (-NB), Add</i>	221.22	
			<i>For Polished Bronze Finish (-PB), Add</i>	169.17	
			<i>For Chrome Plated Finish (-CP), Add</i>	377.37	
<b>07 71 23 00-0334</b>			<b>Leaf Guards And Cleaning (07 71 23)</b>		
07 71 23 00-0335	LF		Aluminum Mesh Gutter Leaf Guard .....	3.00	0.88
			<i>For Up To 100', Add</i>	0.56	
			<i>For &gt;100' To 250', Add</i>	0.24	
			<i>For &gt;1,000', Deduct</i>	-0.17	
07 71 23 00-0336	LF		Vinyl Mesh Gutter Leaf Guard.....	2.84	0.88
			<i>For Up To 100', Add</i>	0.54	
			<i>For &gt;100' To 250', Add</i>	0.23	
			<i>For &gt;1,000', Deduct</i>	-0.17	
07 71 23 00-0337	LF		6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire .....	12.55	1.09
			<i>For Up To 100', Add</i>	1.59	
			<i>For &gt;100' To 250', Add</i>	0.74	
			<i>For &gt;1,000', Deduct</i>	-0.22	
07 71 23 00-0338	LF		9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire .....	17.75	1.09
			<i>For Up To 100', Add</i>	2.11	
			<i>For &gt;100' To 250', Add</i>	1.00	
			<i>For &gt;1,000', Deduct</i>	-0.22	
07 71 23 00-0339	LF		6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh .....	9.56	1.09
			<i>For Up To 100', Add</i>	1.22	
			<i>For &gt;100' To 250', Add</i>	0.56	
			<i>For &gt;1,000', Deduct</i>	-0.17	
07 71 23 00-0340	LF		9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh .....	14.54	1.09
			<i>For Up To 100', Add</i>	1.71	
			<i>For &gt;100' To 250', Add</i>	0.81	
			<i>For &gt;1,000', Deduct</i>	-0.17	
07 71 23 00-0341	EA		Cleanout Roof Drain .....	133.81	
			Note: Includes removing dome and flushing.		
07 71 23 00-0342	LF		Cleanout Roof Gutters And Downspouts .....	1.57	
<b>07 71 26</b>			<b>Reglets (07 71)</b>		
07 71 26 00-0001			Counter Flashing With Reglet (07 71 26) Note: Includes reglet cut.		
07 71 26 00-0002			Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0003			Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0004	LF		28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	16.52	4.36
07 71 26 00-0005	LF		26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	16.73	4.36
07 71 26 00-0006	LF		24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	17.10	4.36
07 71 26 00-0007	LF		22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	18.52	4.36
07 71 26 00-0008	LF		20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	19.32	4.36
07 71 26 00-0009	LF		18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	20.25	4.36
07 71 26 00-0010			KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0011	LF		28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	20.03	4.36
07 71 26 00-0012	LF		26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	20.34	4.36
07 71 26 00-0013	LF		24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	20.88	4.36
07 71 26 00-0014	LF		22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	22.92	4.36
07 71 26 00-0015	LF		20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	24.09	4.36
07 71 26 00-0016	LF		18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	25.44	4.36
07 71 26 00-0017			Aluminum Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0018			KYNAR 500® Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0019	LF		0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	13.26	4.36
07 71 26 00-0020	LF		0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	13.97	4.36
07 71 26 00-0021	LF		0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	14.69	4.36
07 71 26 00-0022	LF		0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	15.21	4.36
07 71 26 00-0023	LF		0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	16.36	4.36
07 71 26 00-0024	LF		0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	18.03	4.36
07 71 26 00-0025			Mill Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0026	LF		0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	11.62	4.36
07 71 26 00-0027	LF		0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	12.07	4.36
07 71 26 00-0028	LF		0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	12.53	4.36
07 71 26 00-0029	LF		0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	12.86	4.36
07 71 26 00-0030	LF		0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	13.60	4.36
07 71 26 00-0031	LF		0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	14.67	4.36
07 71 26 00-0032			Clear Anodized Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0033	LF		0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	12.92	4.36





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 26 00-0034 LF 0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	13.58	4.36
07 71 26 00-0035 LF 0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	14.25	4.36
07 71 26 00-0036 LF 0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	14.73	4.36
07 71 26 00-0037 LF 0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	15.79	4.36
07 71 26 00-0038 LF 0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	17.34	4.36
07 71 26 00-0039 Stainless Steel Counter Flashing With Reglet <small>(07 71 26 00-0001)</small>		
07 71 26 00-0040 Stainless Steel Counter Flashing With Reglet <small>(07 71 26 00-0039)</small>		
07 71 26 00-0041 LF 24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	15.69	4.36
07 71 26 00-0042 LF 20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	16.92	4.36
07 71 26 00-0043 Copper Counter Flashing With Reglet <small>(07 71 26 00-0001)</small>		
07 71 26 00-0044 Copper Counter Flashing With Reglet <small>(07 71 26 00-0043)</small>		
07 71 26 00-0045 LF 16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet.....	47.69	4.36
<b>07 72 Roof Accessories</b> <small>(07 70)</small>		
<b>07 72 13 Manufactured Curbs</b> <small>(07 72)</small>		
07 72 13 00-0001 Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13)</small> Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
07 72 13 00-0002 Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0001)</small> Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0003 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0002)</small>		
07 72 13 00-0004 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0003)</small>		
07 72 13 00-0005 EA 26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	507.98	86.84
For Sloped Roofs Up To 1 In 12 Pitch, Add	42.11	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	92.91	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	43.76	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	85.53	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	107.41	
07 72 13 00-0006 EA 26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	522.20	86.84
For Sloped Roofs Up To 1 In 12 Pitch, Add	43.54	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	95.76	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	53.70	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	109.40	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	129.28	
07 72 13 00-0007 EA 26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	551.03	97.70
For Sloped Roofs Up To 1 In 12 Pitch, Add	45.33	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	100.44	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	65.64	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	135.25	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	149.18	
07 72 13 00-0008 EA 26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	605.56	97.70
For Sloped Roofs Up To 1 In 12 Pitch, Add	50.79	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	111.34	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	87.52	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	177.02	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	190.94	
07 72 13 00-0009 EA 26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	645.86	97.70
For Sloped Roofs Up To 1 In 12 Pitch, Add	54.82	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	119.40	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.20	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	115.66	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	127.59	
07 72 13 00-0010 EA 26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	828.80	108.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	72.02	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	154.90	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	145.20	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	234.70	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	272.49	
07 72 13 00-0011 EA 38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	526.94	86.84
For Sloped Roofs Up To 1 In 12 Pitch, Add	44.01	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	96.70	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	10.44	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	90.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	125.80	
07 72 13 00-0012 EA 38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	553.40	97.70
For Sloped Roofs Up To 1 In 12 Pitch, Add	45.57	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	100.91	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	83.54	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	167.08	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	200.89	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0013 EA 38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	584.22 48.65 107.07 103.43 190.94 218.79	97.70
07 72 13 00-0014 EA 38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	596.07 49.84 109.44 18.50 113.97 139.83	97.70
07 72 13 00-0015 EA 38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	790.87 68.23 147.32 23.87 129.28 169.06	108.55
07 72 13 00-0016 EA 38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	862.36 74.30 160.53 29.24 150.57 198.30	119.41
07 72 13 00-0017 EA 50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	662.46 56.48 122.72 107.41 194.92 216.80	97.70
07 72 13 00-0018 EA 50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	715.00 60.64 132.14 129.28 210.83 250.61	108.55
07 72 13 00-0019 EA 50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	741.08 63.25 137.36 153.15 222.77 290.39	108.55
07 72 13 00-0020 EA 50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	812.57 69.32 150.57 179.01 268.52 332.16	119.41
07 72 13 00-0021 EA 51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	862.73 73.25 159.52 30.73 142.11 191.84	130.26
07 72 13 00-0022 EA 51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	931.86 79.07 172.26 246.64 371.94 439.57	141.12
07 72 13 00-0023 EA 62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	741.08 63.25 137.36 24.46 90.10 165.68	108.55
07 72 13 00-0024 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	786.49 66.71 145.36 186.97 284.43 346.09	119.41
07 72 13 00-0025 EA 62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	860.36 73.01 159.05 242.66 340.12 397.80	130.26
07 72 13 00-0026 EA 62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	884.07 75.38 163.79 36.40 133.86 233.31	130.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0027 EA 62" x 122" Outside Frame Dimensions, 9' Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	957.94	141.12
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	81.68	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	177.48	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	306.31	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	405.76	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	533.05	
<b>07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof</b>		
<b>Curbs <small>(07 72 13 00-0003)</small></b>		
07 72 13 00-0029 EA 26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	538.80	86.84
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.20	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	99.08	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	43.76	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	85.53	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	107.41	
07 72 13 00-0030 EA 26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	545.91	86.84
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.91	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	100.50	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	53.70	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	109.40	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	129.28	
07 72 13 00-0031 EA 26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	574.73	97.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	47.70	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	105.18	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	65.64	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	135.25	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	149.18	
07 72 13 00-0032 EA 26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	636.38	97.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	53.87	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	117.51	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	87.52	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	177.02	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	190.94	
07 72 13 00-0033 EA 26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	681.42	97.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	58.37	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	126.51	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.20	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	115.66	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	127.59	
07 72 13 00-0034 EA 26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	857.25	108.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	74.87	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	160.59	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	145.20	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	234.70	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	272.49	
07 72 13 00-0035 EA 38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	548.28	86.84
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	46.14	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	100.97	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.44	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	90.00	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.80	
07 72 13 00-0036 EA 38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	617.41	97.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	51.97	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	113.71	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	83.54	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	167.08	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	200.89	
07 72 13 00-0037 EA 38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	664.83	97.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	56.71	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	123.20	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	103.43	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	190.94	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	218.79	
07 72 13 00-0038 EA 38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	719.36	97.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	62.17	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	134.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.50	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	113.97	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	139.83	
07 72 13 00-0039 EA 38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	828.80	108.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	72.02	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	154.90	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	23.87	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	129.28	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	169.06	
07 72 13 00-0040 EA 38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	909.77	119.41
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	79.04	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	170.01	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	29.24	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	150.57	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	198.30	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0041 EA 50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	690.91 59.32 128.41 107.41 194.92 216.80	97.70
07 72 13 00-0042 EA 50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	738.71 63.02 136.89 129.28 210.83 250.61	108.55
07 72 13 00-0043 EA 50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	776.64 66.81 144.47 153.15 222.77 290.39	108.55
07 72 13 00-0044 EA 50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	850.50 73.11 158.16 179.01 268.52 332.16	119.41
07 72 13 00-0045 EA 51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	907.78 77.75 168.53 30.73 142.11 191.84	130.26
07 72 13 00-0046 EA 51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	984.02 84.29 182.69 246.64 371.94 439.57	141.12
07 72 13 00-0047 EA 62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	776.64 66.81 144.47 24.46 90.10 165.68	108.55
07 72 13 00-0048 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	824.42 70.50 152.94 186.97 284.43 346.09	119.41
07 72 13 00-0049 EA 62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	900.66 77.04 167.11 242.66 340.12 397.80	130.26
07 72 13 00-0050 EA 62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	931.48 80.12 173.27 36.40 133.86 233.31	130.26
07 72 13 00-0051 EA 62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,010.10 86.90 187.91 306.31 405.76 533.05	141.12
07 72 13 00-0052 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0003)</small>		
07 72 13 00-0053 EA 26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	555.39 46.86 102.39 43.76 85.53 107.41	86.84
07 72 13 00-0054 EA 26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	562.51 47.57 103.82 53.70 109.40 129.28	86.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0055 EA 26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	586.59	97.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	48.89	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	107.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	65.64	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	135.25	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	149.18	
07 72 13 00-0056 EA 26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	655.34	97.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	55.76	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	121.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	87.52	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	177.02	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	190.94	
07 72 13 00-0057 EA 26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	707.50	97.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	60.98	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	131.73	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.20	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	115.66	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	127.59	
07 72 13 00-0058 EA 26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	890.45	108.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	78.19	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	167.23	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	145.20	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	234.70	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	272.49	
07 72 13 00-0059 EA 38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	562.51	86.84
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	47.57	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	103.82	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.44	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	90.00	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.80	
07 72 13 00-0060 EA 38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	586.59	97.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	48.89	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	107.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	83.54	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	167.08	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	200.89	
07 72 13 00-0061 EA 38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	707.50	97.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	60.98	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	131.73	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	103.43	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	190.94	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	218.79	
07 72 13 00-0062 EA 38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	764.41	97.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	66.67	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	143.11	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.50	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	113.97	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	139.83	
07 72 13 00-0063 EA 38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	857.25	108.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	74.87	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	160.59	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	23.87	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	129.28	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	169.06	
07 72 13 00-0064 EA 38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	940.60	119.41
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	82.12	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	176.18	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	29.24	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	150.57	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	198.30	
07 72 13 00-0065 EA 50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	709.88	97.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	61.22	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	132.21	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	107.41	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	194.92	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.80	
07 72 13 00-0066 EA 50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	676.57	108.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	56.80	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	124.46	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	129.28	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	210.83	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	250.61	
07 72 13 00-0067 EA 50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	800.35	108.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	69.18	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	149.21	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	153.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	222.77	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	290.39	
07 72 13 00-0068 EA 50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	878.95	119.41
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	75.95	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	163.85	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	179.01	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	268.52	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	332.16	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0069	EA		51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	936.23 80.60 174.22 30.73 142.11 191.84	130.26
07 72 13 00-0070	EA		51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,017.21 87.61 189.33 246.64 371.94 439.57	141.12
07 72 13 00-0071	EA		62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	800.35 69.18 149.21 24.46 90.10 165.68	108.55
07 72 13 00-0072	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	850.50 73.11 158.16 186.97 284.43 346.09	119.41
07 72 13 00-0073	EA		62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	931.48 80.12 173.27 242.66 340.12 397.80	130.26
07 72 13 00-0074	EA		62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	962.31 83.21 179.44 36.40 133.86 233.31	130.26
07 72 13 00-0075	EA		62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,045.66 90.45 195.02 306.31 405.76 533.05	141.12
07 72 13 00-0076			14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)		
07 72 13 00-0077			9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)		
07 72 13 00-0078	EA		26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	481.90 39.51 87.70 43.76 85.53 107.41	86.84
07 72 13 00-0079	EA		26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	512.72 42.59 93.86 53.70 109.40 129.28	86.84
07 72 13 00-0080	EA		26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	593.70 49.60 108.97 65.64 135.25 149.18	97.70
07 72 13 00-0081	EA		26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	664.83 56.71 123.20 87.52 177.02 190.94	97.70
07 72 13 00-0082	EA		26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	716.99 61.93 133.63 18.20 115.66 127.59	97.70
07 72 13 00-0083	EA		26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	928.38 81.98 174.82 145.20 234.70 272.49	108.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0084 EA 38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	569.62	86.84
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	48.28	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	105.24	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.44	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	90.00	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.80	
07 72 13 00-0085 EA 38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	612.67	97.70
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	51.50	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	112.76	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	83.54	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	167.08	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	200.89	
07 72 13 00-0086 EA 38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	636.38	97.70
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	53.87	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	117.51	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	103.43	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	190.94	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	218.79	
07 72 13 00-0087 EA 38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	657.72	97.70
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	56.00	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	121.77	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.50	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	113.97	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	139.83	
07 72 13 00-0088 EA 38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	871.48	108.55
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	76.29	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	163.44	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	23.87	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	129.28	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	169.06	
07 72 13 00-0089 EA 38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	957.19	119.41
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	83.78	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	179.50	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	29.24	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	150.57	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	198.30	
07 72 13 00-0090 EA 50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	719.36	97.70
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	62.17	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	134.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	107.41	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	194.92	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.80	
07 72 13 00-0091 EA 50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	774.27	108.55
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	66.57	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	144.00	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	129.28	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	210.83	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	250.61	
07 72 13 00-0092 EA 50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	812.21	108.55
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	70.37	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	151.59	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	153.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	222.77	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	290.39	
07 72 13 00-0093 EA 50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	893.18	119.41
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	77.38	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	166.70	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	179.01	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	268.52	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	332.16	
07 72 13 00-0094 EA 51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	950.45	130.26
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	82.02	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	177.06	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	30.73	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.11	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	191.84	
07 72 13 00-0095 EA 51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,033.81	141.12
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	89.27	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	192.65	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	246.64	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	371.94	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	439.57	
07 72 13 00-0096 EA 62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	812.21	108.55
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	70.37	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	151.59	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	24.46	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	90.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	165.68	
07 72 13 00-0097 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	862.36	119.41
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	74.30	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	160.53	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	186.97	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	284.43	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	346.09	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0098	EA		62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	945.71	130.26
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	81.55	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	176.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	242.66	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	340.12	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	397.80	
07 72 13 00-0099	EA		62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	978.90	130.26
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	84.86	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	182.75	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	36.40	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	133.86	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	233.31	
07 72 13 00-0100	EA		62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,064.63	141.12
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	92.35	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	198.81	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	306.31	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	405.76	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	533.05	
<b>07 72 13 00-0101 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof</b>					
<b>Curbs <small>(07 72 13 00-0076)</small></b>					
07 72 13 00-0102	EA		26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	503.24	86.84
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.64	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	91.96	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	43.76	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	85.53	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	107.41	
07 72 13 00-0103	EA		26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	538.80	86.84
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.20	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	99.08	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	53.70	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	109.40	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	129.28	
07 72 13 00-0104	EA		26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	629.26	97.70
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	53.16	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	116.08	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	65.64	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	135.25	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	149.18	
07 72 13 00-0105	EA		26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	707.50	97.70
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	60.98	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	131.73	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	87.52	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	177.02	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	190.94	
07 72 13 00-0106	EA		26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	771.52	97.70
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	67.38	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	144.53	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.20	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	115.66	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	127.59	
07 72 13 00-0107	EA		26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	937.86	108.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	82.93	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	176.72	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	145.20	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	234.70	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	272.49	
07 72 13 00-0108	EA		38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	600.44	86.84
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	51.36	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	111.40	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.44	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	90.00	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.80	
07 72 13 00-0109	EA		38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	650.60	97.70
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	55.29	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	120.35	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	83.54	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	167.08	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	200.89	
07 72 13 00-0110	EA		38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	681.42	97.70
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	58.37	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	126.51	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	103.43	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	190.94	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	218.79	
07 72 13 00-0111	EA		38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	709.88	97.70
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	61.22	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	132.21	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.50	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	113.97	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	139.83	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0112 EA 38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	928.38	108.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	81.98	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	174.82	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	23.87	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	129.28	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	169.06	
07 72 13 00-0113 EA 38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,025.95	119.41
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	90.65	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	193.25	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	29.24	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	150.57	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	198.30	
07 72 13 00-0114 EA 50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	762.04	97.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	66.43	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	142.64	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	107.41	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	194.92	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.80	
07 72 13 00-0115 EA 50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	821.69	108.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	71.31	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	153.48	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	129.28	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	210.83	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	250.61	
07 72 13 00-0116 EA 50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	866.74	108.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	75.82	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	162.49	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	153.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	222.77	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	290.39	
07 72 13 00-0117 EA 50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	950.08	119.41
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	83.07	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	178.08	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	179.01	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	268.52	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	332.16	
07 72 13 00-0118 EA 51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,016.84	130.26
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	88.66	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	190.34	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	30.73	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.11	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	191.84	
07 72 13 00-0119 EA 51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,109.67	141.12
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	96.86	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	207.82	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	246.64	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	371.94	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	439.57	
07 72 13 00-0120 EA 62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	866.74	108.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	75.82	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	162.49	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	24.46	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	90.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	165.68	
07 72 13 00-0121 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	924.00	119.41
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	80.46	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	172.86	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	186.97	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	284.43	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	346.09	
07 72 13 00-0122 EA 62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,012.10	130.26
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	88.18	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	189.39	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	242.66	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	340.12	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	397.80	
07 72 13 00-0123 EA 62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,047.66	130.26
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	91.74	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	196.51	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	36.40	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	133.86	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	233.31	
07 72 13 00-0124 EA 62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,145.24	141.12
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	100.41	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	214.94	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	306.31	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	405.76	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	533.05	

07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0126	EA		26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	519.83	86.84
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	43.30	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	95.28	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	43.76	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	85.53	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	107.41	
07 72 13 00-0127	EA		26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	557.77	86.84
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	47.09	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	102.87	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	53.70	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	109.40	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	129.28	
07 72 13 00-0128	EA		26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	650.60	97.70
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	55.29	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	120.35	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	65.64	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	135.25	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	149.18	
07 72 13 00-0129	EA		26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	735.96	97.70
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	63.83	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	137.42	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	87.52	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	177.02	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	190.94	
07 72 13 00-0130	EA		26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	807.08	97.70
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	70.94	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	151.65	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.20	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	115.66	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	127.59	
07 72 13 00-0131	EA		26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,013.73	108.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	90.52	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	191.89	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	145.20	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	234.70	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	272.49	
07 72 13 00-0132	EA		38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	624.15	86.84
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	53.73	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	116.15	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.44	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	90.00	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.80	
07 72 13 00-0133	EA		38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	690.91	97.70
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	59.32	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	128.41	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	83.54	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	167.08	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	200.89	
07 72 13 00-0134	EA		38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	733.58	97.70
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	63.59	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	136.95	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	103.43	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	190.94	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	218.79	
07 72 13 00-0135	EA		38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	743.07	97.70
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	64.54	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	138.84	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.50	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	113.97	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	139.83	
07 72 13 00-0136	EA		38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	971.06	108.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	86.25	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	183.36	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	23.87	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	129.28	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	169.06	
07 72 13 00-0137	EA		38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,073.37	119.41
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	95.40	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	202.73	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	29.24	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	150.57	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	198.30	
07 72 13 00-0138	EA		50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	790.49	97.70
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	69.28	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	148.33	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	107.41	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	194.92	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.80	
07 72 13 00-0139	EA		50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	750.16	108.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	64.16	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	139.18	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	129.28	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	210.83	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	250.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0140 EA 50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	902.30	108.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	79.37	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	169.60	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	153.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	222.77	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	290.39	
07 72 13 00-0141 EA 50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	992.76	119.41
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	87.34	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	186.61	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	179.01	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	268.52	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	332.16	
07 72 13 00-0142 EA 51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,059.51	130.26
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	92.93	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	198.88	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	30.73	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.11	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	191.84	
07 72 13 00-0143 EA 51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,161.83	141.12
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	102.07	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	218.25	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	246.64	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	371.94	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	439.57	
07 72 13 00-0144 EA 62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	902.30	108.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	79.37	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	169.60	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	24.46	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	90.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	165.68	
07 72 13 00-0145 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	966.68	119.41
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	84.73	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	181.40	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	186.97	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	284.43	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	346.09	
07 72 13 00-0146 EA 62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,052.40	130.26
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	92.21	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	197.45	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	242.66	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	340.12	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	397.80	
07 72 13 00-0147 EA 62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,095.08	130.26
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	96.48	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	205.99	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	36.40	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	133.86	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	233.31	
07 72 13 00-0148 EA 62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,197.40	141.12
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	105.63	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	225.37	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	306.31	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	405.76	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	533.05	
<b>07 72 13 00-0149 Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0001)</small></b>		
Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.		
<b>07 72 13 00-0150 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0149)</small></b>		
07 72 13 00-0151 EA 14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	467.43	86.84
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.06	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	84.80	
07 72 13 00-0152 EA 23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	597.83	86.84
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	51.10	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	110.88	
07 72 13 00-0153 EA 32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	692.06	97.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	59.44	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	128.64	
07 72 13 00-0154 EA 41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	796.19	97.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	69.85	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	149.47	
07 72 13 00-0155 EA 50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	878.46	108.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	76.99	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	164.84	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 72 13 00-0156	12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs (07 72 13 00-0149)		
07 72 13 00-0157	EA 14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	658.38	86.84
	For Sloped Roofs Up To 1 In 12 Pitch, Add	57.15	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	122.99	
07 72 13 00-0158	EA 23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	835.36	86.84
	For Sloped Roofs Up To 1 In 12 Pitch, Add	74.85	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	158.39	
07 72 13 00-0159	EA 32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	862.06	97.70
	For Sloped Roofs Up To 1 In 12 Pitch, Add	76.44	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	162.64	
07 72 13 00-0160	EA 41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	928.59	97.70
	For Sloped Roofs Up To 1 In 12 Pitch, Add	83.09	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	175.95	
07 72 13 00-0161	EA 50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,043.46	108.55
	For Sloped Roofs Up To 1 In 12 Pitch, Add	93.49	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	197.84	
07 72 13 00-0162	EA 64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,878.23	119.41
	For Sloped Roofs Up To 1 In 12 Pitch, Add	175.88	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	363.71	
07 72 13 00-0163	18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs (07 72 13 00-0149)		
07 72 13 00-0164	EA 17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	972.08	86.84
	For Sloped Roofs Up To 1 In 12 Pitch, Add	88.52	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	185.73	
07 72 13 00-0165	EA 24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,153.06	86.84
	For Sloped Roofs Up To 1 In 12 Pitch, Add	106.62	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	221.93	
07 72 13 00-0166	EA 31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,389.67	97.70
	For Sloped Roofs Up To 1 In 12 Pitch, Add	129.20	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	268.16	
07 72 13 00-0167	Wood, Prefabricated Roof Curbs (07 72 13) Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
07 72 13 00-0168	Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0167)		
07 72 13 00-0169	2 x 6 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		
07 72 13 00-0170	EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	334.79	86.84
	For Sloped Roofs Up To 1 In 12 Pitch, Add	24.80	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	58.27	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	43.76	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	85.53	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	107.41	
07 72 13 00-0171	EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	368.43	97.70
	For Sloped Roofs Up To 1 In 12 Pitch, Add	27.07	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	63.92	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	65.64	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	135.25	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	149.18	
07 72 13 00-0172	EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	420.15	97.70
	For Sloped Roofs Up To 1 In 12 Pitch, Add	32.25	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	74.26	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.20	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	115.66	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	127.59	
07 72 13 00-0173	EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	414.18	97.70
	For Sloped Roofs Up To 1 In 12 Pitch, Add	31.65	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	73.07	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	103.43	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	190.94	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	218.79	
07 72 13 00-0174	EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	428.10	97.70
	For Sloped Roofs Up To 1 In 12 Pitch, Add	33.04	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	75.85	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.50	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	113.97	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	139.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0175 EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb .....	483.64	108.55
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	37.51	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	85.87	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	23.87	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	129.28	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	169.06	
07 72 13 00-0176 EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb .....	424.13	97.70
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	32.64	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	75.06	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	107.41	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	194.92	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	216.80	
07 72 13 00-0177 EA 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb .....	501.54	108.55
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	39.30	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	89.45	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	153.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	222.77	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	290.39	
07 72 13 00-0178 EA 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb .....	544.95	130.26
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	41.47	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	95.96	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	30.73	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	142.11	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	191.84	
07 72 13 00-0179 EA 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb .....	465.73	108.55
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	35.72	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	82.29	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	24.46	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	90.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	165.68	
07 72 13 00-0180 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb .....	511.30	119.41
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	39.19	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	90.32	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	186.97	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	284.43	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	346.09	
07 72 13 00-0181 EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb .....	584.73	130.26
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	45.45	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	103.92	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	36.40	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	133.86	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	233.31	
<b>07 72 13 00-0182 2 x 8 Wood Framed, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0168)</small>		
07 72 13 00-0183 EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb .....	346.72	86.84
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	25.99	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	60.66	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	43.76	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	85.53	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	107.41	
07 72 13 00-0184 EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb .....	382.36	97.70
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	28.47	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	66.70	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	65.64	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	135.25	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	149.18	
07 72 13 00-0185 EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb .....	457.94	97.70
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	36.02	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	81.82	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.20	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	115.66	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	127.59	
07 72 13 00-0186 EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb .....	438.05	97.70
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	34.04	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	77.84	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	103.43	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	190.94	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	218.79	
07 72 13 00-0187 EA 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb .....	457.94	97.70
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	36.02	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	81.82	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.50	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	113.97	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	139.83	
07 72 13 00-0188 EA 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb .....	513.47	108.55
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	40.49	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	91.84	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	23.87	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	129.28	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	169.06	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0189	EA		50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	446.00 34.83 79.43 107.41 194.92 216.80	97.70
07 72 13 00-0190	EA		50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	529.38 42.08 95.02 153.15 222.77 290.39	108.55
07 72 13 00-0191	EA		51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	572.79 44.25 101.53 30.73 142.11 191.84	130.26
07 72 13 00-0192	EA		62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	487.61 37.91 86.67 24.46 90.10 165.68	108.55
07 72 13 00-0193	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	537.16 41.78 95.49 186.97 284.43 346.09	119.41
07 72 13 00-0194	EA		62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	612.57 48.23 109.49 36.40 133.86 233.31	130.26
<b>07 72 13 00-0195</b>			<b>2 x 10 Wood Framed, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0168)</small>		
07 72 13 00-0196	EA		26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	354.68 26.78 62.25 43.76 85.53 107.41	86.84
07 72 13 00-0197	EA		26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	396.28 29.86 69.49 65.64 135.25 149.18	97.70
07 72 13 00-0198	EA		26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	461.92 36.42 82.61 18.20 115.66 127.59	97.70
07 72 13 00-0199	EA		38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	451.97 35.43 80.62 103.43 190.94 218.79	97.70
07 72 13 00-0200	EA		38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	475.84 37.81 85.40 18.50 113.97 139.83	97.70
07 72 13 00-0201	EA		38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	533.36 42.48 95.82 23.87 129.28 169.06	108.55
07 72 13 00-0202	EA		50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	459.93 36.22 82.22 107.41 194.92 216.80	97.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0203 EA 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... 547.28	547.28	108.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	43.87	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	98.60	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	153.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	222.77	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	290.39	
07 72 13 00-0204 EA 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... 590.69	590.69	130.26
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	46.04	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	105.11	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	30.73	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.11	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	191.84	
07 72 13 00-0205 EA 62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... 501.54	501.54	108.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.30	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	89.45	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	24.46	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	90.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	165.68	
07 72 13 00-0206 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... 553.07	553.07	119.41
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	43.37	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	98.67	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	186.97	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	284.43	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	346.09	
07 72 13 00-0207 EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... 632.46	632.46	130.26
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	50.22	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	113.47	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	36.40	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	133.86	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	233.31	
<b>07 72 13 00-0208 2 x 12 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small></b>		
07 72 13 00-0209 EA 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... 364.62	364.62	86.84
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.78	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	64.24	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	43.76	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	85.53	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	107.41	
07 72 13 00-0210 EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... 404.23	404.23	97.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.65	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	71.08	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	65.64	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	135.25	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	149.18	
07 72 13 00-0211 EA 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... 479.82	479.82	97.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.21	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	86.19	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.20	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	115.66	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	127.59	
07 72 13 00-0212 EA 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... 495.73	495.73	97.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.80	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	89.38	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.50	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	113.97	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	139.83	
07 72 13 00-0213 EA 38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... 555.24	555.24	108.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	44.67	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	100.19	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	23.87	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	129.28	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	169.06	
07 72 13 00-0214 EA 50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... 477.83	477.83	97.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.01	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	85.80	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	107.41	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	194.92	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.80	
07 72 13 00-0215 EA 50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... 567.17	567.17	108.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.86	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	102.58	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	153.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	222.77	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	290.39	
07 72 13 00-0216 EA 51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... 614.56	614.56	130.26
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	48.43	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	109.89	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	30.73	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.11	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	191.84	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 72</b>	<b>Roof Accessories</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0217 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb .....	568.98	119.41
For Sloped Roofs Up To 1 In 12 Pitch, Add	44.96	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	101.86	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	186.97	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	284.43	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	346.09	
<b>07 72 13 00-0218 Wood Framed With Liner, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0167)</small>		
<b>07 72 13 00-0219 2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0218)</small>		
07 72 13 00-0220 EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	350.70	86.84
For Sloped Roofs Up To 1 In 12 Pitch, Add	26.39	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	61.46	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	43.76	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	85.53	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	107.41	
07 72 13 00-0221 EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	382.36	97.70
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.47	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	66.70	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	65.64	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	135.25	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	149.18	
07 72 13 00-0222 EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	446.00	97.70
For Sloped Roofs Up To 1 In 12 Pitch, Add	34.83	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	79.43	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.20	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	115.66	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	127.59	
07 72 13 00-0223 EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	432.08	97.70
For Sloped Roofs Up To 1 In 12 Pitch, Add	33.44	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	76.65	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	103.43	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	190.94	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	218.79	
07 72 13 00-0224 EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	449.98	97.70
For Sloped Roofs Up To 1 In 12 Pitch, Add	35.23	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	80.23	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.50	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	113.97	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	139.83	
07 72 13 00-0225 EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	507.50	108.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	39.89	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	90.64	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	23.87	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	129.28	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	169.06	
07 72 13 00-0226 EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	442.03	97.70
For Sloped Roofs Up To 1 In 12 Pitch, Add	34.43	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	78.64	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	107.41	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	194.92	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	216.80	
07 72 13 00-0227 EA 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	523.42	108.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	41.49	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	93.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	153.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	222.77	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	290.39	
07 72 13 00-0228 EA 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	566.83	130.26
For Sloped Roofs Up To 1 In 12 Pitch, Add	43.66	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	100.34	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	30.73	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	142.11	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	191.84	
07 72 13 00-0229 EA 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	489.60	108.55
For Sloped Roofs Up To 1 In 12 Pitch, Add	38.10	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	87.06	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	24.46	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	90.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	165.68	
07 72 13 00-0230 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	533.18	119.41
For Sloped Roofs Up To 1 In 12 Pitch, Add	41.38	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	94.70	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	186.97	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	284.43	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	346.09	
07 72 13 00-0231 EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	612.57	130.26
For Sloped Roofs Up To 1 In 12 Pitch, Add	48.23	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	109.49	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	36.40	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	133.86	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	233.31	
<b>07 72 13 00-0232 2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0218)</small>		





	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0233	EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....		364.62	86.84
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		27.78	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>		64.24	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		43.76	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		85.53	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		107.41	
07 72 13 00-0234	EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....		398.27	97.70
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		30.06	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>		69.88	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		65.64	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		135.25	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		149.18	
07 72 13 00-0235	EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....		469.87	97.70
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		37.22	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>		84.20	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		18.20	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		115.66	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		127.59	
07 72 13 00-0236	EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....		455.95	97.70
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		35.83	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>		81.42	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		103.43	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		190.94	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		218.79	
07 72 13 00-0237	EA 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....		481.81	97.70
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		38.41	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>		86.59	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		18.50	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		113.97	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		139.83	
07 72 13 00-0238	EA 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....		543.31	108.55
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		43.48	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>		97.81	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		23.87	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		129.28	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		169.06	
07 72 13 00-0239	EA 50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....		469.87	97.70
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		37.22	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>		84.20	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		107.41	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		194.92	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		216.80	
07 72 13 00-0240	EA 50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....		557.23	108.55
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		44.87	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>		100.59	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		153.15	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		222.77	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		290.39	
07 72 13 00-0241	EA 51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....		604.62	130.26
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		47.44	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>		107.90	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		30.73	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		142.11	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		191.84	
07 72 13 00-0242	EA 62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....		515.46	108.55
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		40.69	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>		92.24	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		24.46	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		90.10	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		165.68	
07 72 13 00-0243	EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....		563.02	119.41
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		44.36	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>		100.66	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		186.97	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		284.43	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		346.09	
07 72 13 00-0244	EA 62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....		646.39	130.26
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		51.61	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>		116.25	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		36.40	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		133.86	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		233.31	
<b>07 72 13 00-0245</b>	<b>2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0218)</small>			
07 72 13 00-0246	EA 26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....		376.56	86.84
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		28.97	
	<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>		66.63	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		43.76	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		85.53	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		107.41	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 72</b>	<b>Roof Accessories</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0247	EA	26" x 50"	Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... 414.18	97.70	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.65	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	73.07	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	65.64	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	135.25	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	149.18	
07 72 13 00-0248	EA	26" x 98"	Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... 493.74	97.70	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.60	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	88.98	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.20	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	115.66	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	127.59	
07 72 13 00-0249	EA	38" x 62"	Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... 473.85	97.70	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.62	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	85.00	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	103.43	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	190.94	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	218.79	
07 72 13 00-0250	EA	38" x 74"	Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... 505.67	97.70	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.80	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	91.36	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.50	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	113.97	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	139.83	
07 72 13 00-0251	EA	38" x 98"	Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... 569.16	108.55	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	46.06	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	102.98	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	23.87	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	129.28	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	169.06	
07 72 13 00-0252	EA	50" x 50"	Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... 487.77	97.70	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.01	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	87.78	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	107.41	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	194.92	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.80	
07 72 13 00-0253	EA	50" x 74"	Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... 579.11	108.55	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	47.06	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	104.97	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	153.15	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	222.77	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	290.39	
07 72 13 00-0254	EA	51" x 99"	Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... 628.48	130.26	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	49.82	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	112.67	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	30.73	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.11	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	191.84	
07 72 13 00-0255	EA	62" x 62"	Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... 535.35	108.55	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	42.68	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	96.21	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	24.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	90.10	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	165.68	
07 72 13 00-0256	EA	62-3/8" x 74-3/8"	Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... 584.90	119.41	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	46.55	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	105.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	186.97	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	284.43	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	346.09	
07 72 13 00-0257	EA	62" x 98"	Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... 672.24	130.26	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	54.20	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	121.42	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	36.40	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	133.86	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	233.31	
07 72 13 00-0258			<b>2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs</b> (07 72 13 00-0218) ..... 400.43	86.84	
07 72 13 00-0259	EA	26" x 26"	Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... 31.36		
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	71.40	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	43.76	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	85.53	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	107.41	
07 72 13 00-0260	EA	26" x 50"	Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... 426.11	97.70	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.84	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	75.45	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	65.64	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	135.25	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	149.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0261 EA 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	511.64	97.70
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	41.39	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	92.56	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.20	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	115.66	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	127.59	
07 72 13 00-0262 EA 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	525.56	97.70
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	42.79	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	95.34	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.50	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	113.97	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	139.83	
07 72 13 00-0263 EA 38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	644.75	108.55
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	53.62	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	118.09	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	23.87	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	129.28	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	169.06	
07 72 13 00-0264 EA 50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	545.45	97.70
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	44.78	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	99.32	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	107.41	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	194.92	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	216.80	
07 72 13 00-0265 EA 50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	648.72	108.55
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	54.02	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	118.89	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	153.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	222.77	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	290.39	
07 72 13 00-0266 EA 51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	708.04	130.26
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	57.78	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	128.58	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	30.73	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	142.11	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	191.84	
07 72 13 00-0267 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	658.49	119.41
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	53.91	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	119.76	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	186.97	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	284.43	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	346.09	

**07 72 23 Relief Vents** (07 72)

**07 72 23 00-0001 Wind Driven Turbine Ventilators** (07 72 23)

Note: Excludes curb or flange base.

**07 72 23 00-0002 Galvanized Steel, Wind Driven Turbine Ventilators** (07 72 23 00-0001)

07 72 23 00-0003 EA 6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	196.75	40.12
For Curb Or Flange Base, Add	220.43	
07 72 23 00-0004 EA 9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	236.16	44.42
For Curb Or Flange Base, Add	242.34	
07 72 23 00-0005 EA 12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	254.96	53.02
For Curb Or Flange Base, Add	269.95	
07 72 23 00-0006 EA 15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	489.56	58.75
For Curb Or Flange Base, Add	432.39	
07 72 23 00-0007 EA 18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	674.29	65.91
For Curb Or Flange Base, Add	468.51	
07 72 23 00-0008 EA 21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	813.53	71.64
For Curb Or Flange Base, Add	508.51	
07 72 23 00-0009 EA 24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	1,039.21	80.24
For Curb Or Flange Base, Add	622.27	
07 72 23 00-0010 EA 36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator .....	1,716.83	107.46
For Curb Or Flange Base, Add	1,018.90	

**07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators** (07 72 23 00-0001)

07 72 23 00-0012 EA 6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	154.18	40.12
For Curb Or Flange Base, Add	194.04	
07 72 23 00-0013 EA 9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	190.38	44.42
For Curb Or Flange Base, Add	214.37	
07 72 23 00-0014 EA 12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	214.60	53.02
For Curb Or Flange Base, Add	240.69	
07 72 23 00-0015 EA 15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	368.15	58.75
For Curb Or Flange Base, Add	388.03	
07 72 23 00-0016 EA 18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	471.24	65.91
For Curb Or Flange Base, Add	416.77	
07 72 23 00-0017 EA 21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	591.41	71.64
For Curb Or Flange Base, Add	467.22	
07 72 23 00-0018 EA 24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	792.60	80.24
For Curb Or Flange Base, Add	560.28	
07 72 23 00-0019 EA 36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator .....	1,176.04	107.46
For Curb Or Flange Base, Add	833.00	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 72</b>	<b>Roof Accessories</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 72 23 00-0020	<b>Stationary Siphon Ventilators</b> (07 72 23) Note: Excludes curb or flange base.		
07 72 23 00-0021	<b>Galvanized Steel, Stationary Siphon Ventilators</b> (07 72 23 00-0020)		
07 72 23 00-0022	EA 6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	166.13	40.12
	<i>For Curb Or Flange Base, Add</i>	220.43	
07 72 23 00-0023	EA 9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	218.65	44.42
	<i>For Curb Or Flange Base, Add</i>	242.34	
07 72 23 00-0024	EA 12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	240.61	53.02
	<i>For Curb Or Flange Base, Add</i>	269.95	
07 72 23 00-0025	EA 15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	411.00	58.75
	<i>For Curb Or Flange Base, Add</i>	432.39	
07 72 23 00-0026	EA 18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	475.47	65.91
	<i>For Curb Or Flange Base, Add</i>	468.51	
07 72 23 00-0027	EA 21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	673.02	71.64
	<i>For Curb Or Flange Base, Add</i>	508.51	
07 72 23 00-0028	EA 24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	876.36	80.24
	<i>For Curb Or Flange Base, Add</i>	622.27	
07 72 23 00-0029	EA 36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	1,270.11	107.46
	<i>For Curb Or Flange Base, Add</i>	1,018.90	
07 72 23 00-0030	<b>Mill Finish Aluminum, Stationary Siphon Ventilators</b> (07 72 23 00-0020)		
07 72 23 00-0031	EA 6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	148.80	40.12
	<i>For Curb Or Flange Base, Add</i>	194.04	
07 72 23 00-0032	EA 9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	193.59	44.42
	<i>For Curb Or Flange Base, Add</i>	214.37	
07 72 23 00-0033	EA 12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	217.29	53.02
	<i>For Curb Or Flange Base, Add</i>	240.69	
07 72 23 00-0034	EA 15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	342.81	58.75
	<i>For Curb Or Flange Base, Add</i>	388.03	
07 72 23 00-0035	EA 18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	428.20	65.91
	<i>For Curb Or Flange Base, Add</i>	416.77	
07 72 23 00-0036	EA 21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	521.46	71.64
	<i>For Curb Or Flange Base, Add</i>	467.22	
07 72 23 00-0037	EA 24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	738.82	80.24
	<i>For Curb Or Flange Base, Add</i>	560.28	
07 72 23 00-0038	EA 36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	1,107.28	107.46
	<i>For Curb Or Flange Base, Add</i>	833.00	
07 72 23 00-0039	<b>Spun Aluminum, Stationary Mushroom Gravity Ventilators</b> (07 72 23) Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0040	EA 8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	314.89	64.47
	<i>For Backdraft Damper, Add</i>	146.10	
	<i>For Curb Base, Add</i>	235.19	
07 72 23 00-0041	EA 10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	383.65	71.64
	<i>For Backdraft Damper, Add</i>	159.85	
	<i>For Curb Base, Add</i>	257.49	
07 72 23 00-0042	EA 12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	436.65	85.97
	<i>For Backdraft Damper, Add</i>	218.29	
	<i>For Curb Base, Add</i>	325.13	
07 72 23 00-0043	EA 16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	526.91	94.57
	<i>For Backdraft Damper, Add</i>	249.23	
	<i>For Curb Base, Add</i>	375.36	
07 72 23 00-0044	EA 24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	1,334.78	128.96
	<i>For Backdraft Damper, Add</i>	312.83	
	<i>For Curb Base, Add</i>	495.44	
07 72 23 00-0045	EA 30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	1,625.57	149.01
	<i>For Backdraft Damper, Add</i>	369.55	
	<i>For Curb Base, Add</i>	590.84	
07 72 23 00-0046	EA 36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	2,198.56	171.94
	<i>For Backdraft Damper, Add</i>	369.55	
	<i>For Curb Base, Add</i>	619.34	
07 72 23 00-0047	EA 42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	3,061.13	186.27
	<i>For Backdraft Damper, Add</i>	386.74	
	<i>For Curb Base, Add</i>	644.01	
07 72 23 00-0048	EA 48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	4,368.90	200.60
	<i>For Backdraft Damper, Add</i>	429.71	
	<i>For Curb Base, Add</i>	721.98	
07 72 23 00-0049	<b>Galvanized Steel, Stationary Gooseneck Ventilators</b> (07 72 23) Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0050	EA 8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	691.55	71.64
07 72 23 00-0051	EA 12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	809.26	94.57
07 72 23 00-0052	EA 16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	1,166.50	128.96
07 72 23 00-0053	EA 24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	1,819.63	149.01

**07 72 26 Ridge Vents** (07 72)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 72 26 00-0001</b>				<b>Aluminum Ridge Vents</b> (07 72 26)		
			LF	Aluminum Ridge Vent Strips.....	13.73	4.16
			EA	Aluminum Ridge Univent Connectors.....	62.27	25.83
			EA	Aluminum Ridge Univent End Cap.....	59.56	25.83
<b>07 72 26 00-0005</b>				<b>Galvanized Ridge Vents</b> (07 72 26)		
			LF	Galvanized Sheet Metal Ridge Vent Strips.....	15.47	4.44
<b>07 72 29</b>				<b>Rafter Vent</b> (07 72)		
<b>07 72 29 00-0001</b>				<b>Rafter Vent</b> (07 72 29)		
				Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.		
			EA	22" x 4" Rafter Vent.....	10.10	
			EA	14" x 4" Rafter Vent.....	9.11	
<b>07 72 33</b>				<b>Roof Hatches</b> (07 72)		
				Note: Includes curb with integral insulation, lockable hatch and gaskets.		
<b>07 72 33 00-0001</b>				<b>Galvanized Steel Cover And Curb</b> (07 72 33)		
			EA	2'-6" x 3'-0" Galvanized Steel Roof Hatch (Bilco S-20).....	1,332.78	174.04
			EA	2'-6" x 4'-6" Galvanized Steel Roof Hatch (Bilco NB-20).....	1,939.32	193.38
			EA	2'-6" x 8'-0" Galvanized Steel Roof Hatch (Bilco L-20).....	3,403.89	263.72
			EA	3'-0" x 3'-0" Galvanized Steel Roof Hatch (Bilco E-20).....	1,908.47	193.38
			EA	4'-0" x 4'-0" Galvanized Steel Roof Hatch.....	2,152.78	214.90
			EA	3'-0" x 8'-0" Galvanized Steel Roof Hatch.....	3,516.87	293.09
<b>07 72 33 00-0008</b>				<b>Aluminum Cover And Curb</b> (07 72 33)		
			EA	2'-6" x 3'-0" Aluminum Roof Hatch (Bilco S-50).....	1,224.91	174.04
			EA	2'-6" x 4'-6" Aluminum Roof Hatch (Bilco NB-50).....	1,578.57	193.38
			EA	2'-6" x 8'-0" Aluminum Roof Hatch (Bilco L-50).....	2,833.08	263.72
			EA	3'-0" x 3'-0" Aluminum Roof Hatch (Bilco E-50).....	1,540.50	193.38
			EA	4'-0" x 4'-0" Aluminum Roof Hatch (Bilco F-50).....	2,696.23	214.90
			EA	3'-0" x 8'-0" Aluminum Roof Hatch.....	2,982.71	293.09
			EA	3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight (Bilco GS-50).....	1,716.23	193.38
<b>07 72 33 00-0016</b>				<b>Steel, Plain, Primed</b> (07 72 33)		
			EA	2'-6" x 3'-0" Plain Steel Roof Hatch Primed (Bilco S-20).....	1,279.94	174.04
			EA	2'-6" x 4'-6" Plain Steel Roof Hatch Primed (Bilco NB-20).....	1,719.87	193.38
			EA	2'-6" x 8'-0" Plain Steel Roof Hatch Primed (Bilco L-20).....	2,355.80	263.72
			EA	3'-0" x 3'-0" Plain Steel Roof Hatch Primed (Bilco E-20).....	1,596.49	193.38
			EA	4'-0" x 4'-0" Plain Steel Roof Hatch Primed.....	1,951.50	214.90
			EA	3'-0" x 8'-0" Plain Steel Roof Hatch Primed.....	2,651.38	293.09
<b>07 72 33 00-0023</b>				<b>Stainless Steel</b> (07 72 33)		
			EA	2'-6" x 3'-0" Stainless Steel Roof Hatch (Bilco S-90).....	2,603.92	174.04
			EA	2'-6" x 4'-6" Stainless Steel Roof Hatch (Bilco NB-90).....	4,922.20	193.38
			EA	2'-6" x 8'-0" Stainless Steel Roof Hatch (Bilco L-90).....	7,390.11	263.72
			EA	3'-0" x 3'-0" Stainless Steel Roof Hatch (Bilco E-90).....	3,960.87	193.38
			EA	4'-0" x 4'-0" Stainless Steel Roof Hatch.....	8,292.82	214.90
			EA	3'-0" x 8'-0" Stainless Steel Roof Hatch.....	9,308.48	293.09
<b>07 72 33 00-0030</b>				<b>Removal And Reinstallation Of Roof Hatch</b> (07 72 33)		
				Note: Includes storage, cleaning and supply materials.		
			EA	Removal And Reinstallation Of Roof Hatch (All Types).....	535.33	
<b>07 72 33 00-0032</b>				<b>Aluminum Cover And Galvanized Steel Curb</b> (07 72 33)		
			EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof (Bilco S-40).....	1,188.78	193.38
			EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof (Bilco NB-40).....	1,542.44	214.90
			EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof (Bilco L-40).....	2,739.15	292.97
			EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof (Bilco E-40).....	1,511.59	199.43
			EA	Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof (Bilco F-40).....	2,616.75	220.94
<b>07 72 33 00-0038</b>				<b>Roof Hatch Accessories</b> (07 72 33)		
			EA	Roof Hatch Ladderup Safety Post (Bilco LU-1).....	823.47	90.65
<b>07 72 33 00-0040</b>				<b>Roof Hatch Safety Railing</b> (07 72 33)		
				Note: Included mounting bracket to attach to roof hatch		
			EA	24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-24x24).....	1,951.37	
			EA	24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-24x36).....	2,026.52	
			EA	30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-30x30).....	2,075.79	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 72</b>	<b>Roof Accessories</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 72 33 00-0044	EA	30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-30x36)	2,256.27	
07 72 33 00-0045	EA	36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-36x36)	2,464.89	
07 72 33 00-0046	EA	48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-48x48)	3,137.52	

**07 72 36 Smoke Vents (07 72)**

**07 72 36 00-0001 Fire Vent (07 72 36)**

**07 72 36 00-0002 Galvanized Steel Covers And Curb (07 72 36 00-0001)**

07 72 36 00-0003	EA	4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848)	3,381.67	161.23
07 72 36 00-0004	EA	4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872)	3,895.01	221.66
07 72 36 00-0005	EA	4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890)	4,438.48	241.85
07 72 36 00-0006	EA	4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896)	4,527.07	253.94
07 72 36 00-0007	EA	5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060)	5,243.57	221.66
07 72 36 00-0008	EA	5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072)	5,575.70	241.85
07 72 36 00-0009	EA	5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084)	5,887.69	262.03
07 72 36 00-0010	EA	5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096)	6,702.88	282.22
07 72 36 00-0011	EA	5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120)	8,313.14	302.28
07 72 36 00-0012	EA	5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666)	5,575.71	262.03
07 72 36 00-0013	EA	5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114)	11,704.70	322.46
07 72 36 00-0014	EA	6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272)	6,431.23	342.65

**07 72 36 00-0015 Aluminum Covers And Galvanized Steel Curb (07 72 36 00-0001)**

07 72 36 00-0016	EA	4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4848A)	2,582.74	161.23
07 72 36 00-0017	EA	4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4872A)	2,969.64	221.66
07 72 36 00-0018	EA	4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4890A)	3,339.44	241.85
07 72 36 00-0019	EA	4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4896A)	3,458.74	253.94
07 72 36 00-0020	EA	5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6060A)	3,352.59	221.66
07 72 36 00-0021	EA	5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6072A)	4,271.51	241.85
07 72 36 00-0022	EA	5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6084A)	4,569.05	262.03
07 72 36 00-0023	EA	5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6096A)	4,454.76	282.22
07 72 36 00-0024	EA	5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-60120A)	6,233.51	302.28
07 72 36 00-0025	EA	5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6666A)	4,316.17	262.03
07 72 36 00-0026	EA	5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-66144A)	8,156.77	322.46
07 72 36 00-0027	EA	6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-7272A)	4,256.39	342.65

**07 72 36 00-0028 Aluminum Covers And Curb (07 72 36 00-0001)**

07 72 36 00-0029	EA	4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848B)	2,813.95	161.23
07 72 36 00-0030	EA	4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872B)	3,352.59	221.66
07 72 36 00-0031	EA	4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890B)	3,679.04	241.85
07 72 36 00-0032	EA	4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896B)	3,892.26	253.94
07 72 36 00-0033	EA	5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060B)	3,525.99	221.66
07 72 36 00-0034	EA	5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072B)	4,452.15	241.85
07 72 36 00-0035	EA	5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084B)	4,728.01	262.03
07 72 36 00-0036	EA	5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096B)	4,888.28	282.22
07 72 36 00-0037	EA	5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120B)	5,922.82	302.28
07 72 36 00-0038	EA	5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666B)	4,518.47	262.03
07 72 36 00-0039	EA	5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114B)	8,900.98	322.46
07 72 36 00-0040	EA	6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272B)	4,689.91	342.65

**07 72 36 00-0041 Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb (07 72 36)**

07 72 36 00-0042	EA	4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4848B)	2,785.05	160.75
07 72 36 00-0043	EA	4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4872B)	3,533.21	221.66
07 72 36 00-0044	EA	4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4896B)	3,740.51	253.94
07 72 36 00-0045	EA	5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6060B)	4,002.87	221.66
07 72 36 00-0046	EA	5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6096B)	4,238.01	282.22

**07 72 46 Roof Walkways (07 72)**

**07 72 46 00-0001 Recycled Rubber Walkway Pads (07 72 46)**

07 72 46 00-0002	SF	3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	10.76	2.41
		For Diamond Surface, Add	1.01	
07 72 46 00-0003	SF	1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	12.05	2.89
		For Diamond Surface, Add	1.18	
07 72 46 00-0004	SF	3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	13.34	2.89
		For Diamond Surface, Add	1.32	

**07 72 53 Snow Guards (07 72)**

**07 72 53 00-0001 Snow Guards For Shingle And Tile Roofs (07 72 53)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 53 00-0002 EA 6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs.....	22.22	2.45
07 72 53 00-0003 EA 6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs.....	24.39	2.45
07 72 53 00-0004 EA 6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs.....	22.96	2.45
07 72 53 00-0005 EA 6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs.....	12.90	2.45
<b>07 72 53 00-0006 Snow Guards For Metal Roofs (07 72 53)</b>		
Note: Aluminum construction.		
07 72 53 00-0007 EA Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	25.84	5.13
07 72 53 00-0008 EA Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	28.59	5.13
07 72 53 00-0009 EA Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	41.58	5.13
07 72 53 00-0010 EA Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	41.00	5.13
07 72 53 00-0011 EA Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	38.81	5.98
07 72 53 00-0012 EA Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	42.26	5.98
07 72 53 00-0013 EA Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	52.42	5.98
07 72 53 00-0014 EA Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM).....	22.58	4.49
<i>For Mechanically Fastened, Add</i>		
	8.97	
07 72 53 00-0015 EA Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM).....	25.44	4.49
<i>For Mechanically Fastened, Add</i>		
	8.97	
07 72 53 00-0016 EA Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM).....	35.13	4.49
<i>For Mechanically Fastened, Add</i>		
	8.97	
07 72 53 00-0017 EA Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15).....	14.62	4.49
Note: Can be used for metal, rubber, PVC, TPO or glass roofing.		
<i>For Mechanically Fastened, Add</i>		
	11.96	
<b>07 72 53 00-0018 Snow Breaker For Roofs (07 72 53)</b>		
07 72 53 00-0019 EA Up To 50 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....	18.38	5.98
07 72 53 00-0020 EA >50 To 150 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....	17.34	5.98
07 72 53 00-0021 EA >150 To 500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....	16.82	5.98
07 72 53 00-0022 EA >500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....	16.19	5.98
<b>07 72 53 00-0023 Ice Breaker For Vents (07 72 53)</b>		
07 72 53 00-0024 EA Ice Breaker For Vents Up to 4", Mechanically Fastened.....	142.21	
07 72 53 00-0025 EA Ice Breaker For Vents And Stacks >4" To 14" Diameter, Mechanically Fastened.....	163.19	
<b>07 72 53 00-0026 Pipe Style, Snow Guards For Metal Roofs (07 72 53)</b>		
<b>07 72 53 00-0027 Pipe Style, Standing Seam Metal Roof Snow Guard Clamps (07 72 53 00-0026)</b>		
Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.		
07 72 53 00-0028 EA Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	69.06	17.94
07 72 53 00-0029 EA Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	81.85	17.94
07 72 53 00-0030 EA Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	92.06	17.94
07 72 53 00-0031 EA Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	114.02	17.94
07 72 53 00-0032 EA Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000).....	117.89	21.53
<b>07 72 53 00-0033 Tubing For Snow Guard Clamps (07 72 53 00-0026)</b>		
07 72 53 00-0034 LF 1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®).....	14.42	4.30
Note: Includes end caps, collars and couplings.		
07 72 53 00-0035 LF 1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®).....	27.99	4.30
Note: Includes end caps, collars and couplings.		
<b>07 72 56 Snow/Ice Melt Cable (07 72)</b>		
<b>07 72 56 00-0001 Self Regulating Heating Cable For Roofs And Gutters (07 72 56)</b>		
07 72 56 00-0002 LF 12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters.....	15.66	1.04
Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0003 LF 12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters.....	16.86	1.04
Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0004 EA Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters.....	225.23	78.38
07 72 56 00-0005 EA Splice Kit For Self Regulating Heating Cable For Roofs And Gutters.....	172.56	57.48
07 72 56 00-0006 EA Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters.....	8.33	3.13
<i>For &gt;5, Deduct</i>		
	-0.63	
07 72 56 00-0007 EA Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters.....	7.83	3.13
<i>For &gt;5, Deduct</i>		
	-0.58	
07 72 56 00-0008 EA Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters.....	59.48	7.84
07 72 56 00-0009 EA 120 Volt AC, Snow Switch, Automatic Control For Melting Snow.....	983.98	62.71
07 72 56 00-0010 EA Automatic Gutter Ice Melting Control.....	1,352.24	78.38
<b>07 72 63 Waste Containment Assemblies (07 72)</b>		
<b>07 72 63 00-0001 Rooftop Oil And Grease Containment System (07 72 63)</b>		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 72 63 00-0002	<b>Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E)</b> <small>(07 72 63 00-0001)</small>			
07 72 63 00-0003	EA	48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E).....	2,811.58	196.09
07 72 63 00-0004	EA	60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E).....	3,152.01	196.09
07 72 63 00-0005	EA	60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E).....	3,881.91	203.94
07 72 63 00-0006	EA	72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E).....	3,862.44	203.94
07 72 63 00-0007	EA	72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E).....	5,064.43	220.61
07 72 63 00-0008	EA	72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E).....	3,930.94	220.61
07 72 63 00-0009	EA	90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E).....	4,374.57	261.39
07 72 63 00-0010	EA	108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E).....	6,467.92	326.78
07 72 63 00-0011	EA	120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E).....	8,063.57	326.78
07 72 63 00-0012	EA	144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E).....	10,252.72	326.78
07 72 63 00-0013	<b>Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD)</b> <small>(07 72 63 00-0001)</small>			
07 72 63 00-0014	EA	48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100).....	3,477.95	196.09
07 72 63 00-0015	EA	60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101).....	3,920.66	196.09
07 72 63 00-0016	EA	60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106).....	4,859.73	203.94
07 72 63 00-0017	EA	72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102).....	4,947.32	203.94
07 72 63 00-0018	EA	72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103).....	7,093.05	220.61
07 72 63 00-0019	EA	72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111).....	7,788.71	220.61
07 72 63 00-0020	EA	90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105).....	7,215.60	261.39
07 72 63 00-0021	EA	108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112).....	8,112.21	326.78
07 72 63 00-0022	EA	120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107).....	10,189.47	326.78
07 72 63 00-0023	EA	144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113).....	13,035.36	326.78
07 72 63 00-0024	<b>Replacement Filter Sets For Rooftop Oil And Grease Containment System</b> <small>(07 72 63)</small>			
	Note: Includes removing old filters and installing new filters.			
07 72 63 00-0025	<b>Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System</b> <small>(07 72 63 00-0024)</small>			
07 72 63 00-0026	<b>Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System</b> <small>(07 72 63 00-0025)</small>			
07 72 63 00-0027	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E).....	233.76	
07 72 63 00-0028	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E).....	331.07	
07 72 63 00-0029	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E).....	477.00	
07 72 63 00-0030	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E).....	438.17	
07 72 63 00-0031	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E).....	827.35	
07 72 63 00-0032	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E).....	837.07	
07 72 63 00-0033	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E).....	642.57	
07 72 63 00-0034	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E).....	837.16	
07 72 63 00-0035	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E).....	1,231.21	
07 72 63 00-0036	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E).....	1,625.25	
07 72 63 00-0037	<b>Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System</b> <small>(07 72 63 00-0024)</small>			





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 72 63 00-0038 Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System</b> <small>(07 72 63 00-0037)</small>		
07 72 63 00-0039 SET 48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC) .....	491.71	
07 72 63 00-0040 SET 60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC) .....	657.12	
07 72 63 00-0041 SET 60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC) .....	958.74	
07 72 63 00-0042 SET 72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC) .....	890.71	
07 72 63 00-0043 SET 72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC) .....	1,722.58	
07 72 63 00-0044 SET 72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC) .....	1,732.30	
07 72 63 00-0045 SET 90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC) .....	1,279.96	
07 72 63 00-0046 SET 108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC) .....	1,732.39	
07 72 63 00-0047 SET 120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC) .....	2,544.80	
07 72 63 00-0048 SET 144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC) .....	3,391.28	
<b>07 72 63 00-0049 Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System</b> <small>(07 72 63 00-0037)</small>		
07 72 63 00-0050 SET 48" Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C) .....	613.34	
07 72 63 00-0051 SET 60" Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C) .....	764.15	
07 72 63 00-0052 SET 60" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C) .....	1,124.13	
07 72 63 00-0053 SET 72" Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C) .....	1,060.98	
07 72 63 00-0054 SET 72" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C) .....	2,077.70	
07 72 63 00-0055 SET 72" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C) .....	2,067.98	
07 72 63 00-0056 SET 90" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C) .....	1,503.76	
07 72 63 00-0057 SET 108" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C) .....	2,087.51	
07 72 63 00-0058 SET 120" Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C) .....	2,933.99	
07 72 63 00-0059 SET 144" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C) .....	4,086.95	
<b>07 73 Roof Protection Board</b> <small>(07 70)</small>		
<b>07 73 00 00-0001 Roof Protection Board</b> <small>(07 73)</small>		
Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.		
<b>07 73 00 00-0002 Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®)</b> <small>(07 73 00 00-0001)</small>		
07 73 00 00-0003 SF 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®) .....	3.52	0.49
<i>For No Adhesive, Deduct</i>		
	-0.84	
07 73 00 00-0004 SF 1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®) .....	3.99	0.54
<i>For No Adhesive, Deduct</i>		
	-0.86	
07 73 00 00-0005 SF 5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®) .....	4.19	0.59
<i>For No Adhesive, Deduct</i>		
	-0.87	
07 73 00 00-0006 SF 1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime) .....	3.58	0.49
<i>For No Adhesive, Deduct</i>		
	-0.84	
07 73 00 00-0007 SF 1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime) .....	4.07	0.54
<i>For No Adhesive, Deduct</i>		
	-0.86	
07 73 00 00-0008 SF 5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime) .....	4.27	0.59
<i>For No Adhesive, Deduct</i>		
	-0.87	
<b>07 73 00 00-0009 Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®)</b> <small>(07 73 00 00-0001)</small>		
07 73 00 00-0010 SF 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®) .....	3.33	0.49
07 73 00 00-0011 SF 1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®) .....	3.80	0.54

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof and Wall Specialties and Accessories</b>
<b>07 73</b>	<b>Roof Protection Board</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0012	SF		5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®).....	4.04	0.59
07 73 00 00-0013	SF		1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime) .....	3.38	0.49
07 73 00 00-0014	SF		1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime) .....	3.88	0.54
07 73 00 00-0015	SF		5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime) .....	4.12	0.59
<b>07 73 00 00-0016</b>			<b>Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®)</b> (07 73 00 00-0001) Note: Mechanically fastened to wood or steel.		
07 73 00 00-0017	SF		1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	3.17	0.49
			<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.24	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.05	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 73 00 00-0018	SF		1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	3.64	0.54
			<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.31	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.12	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 73 00 00-0019	SF		5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	3.84	0.59
			<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.36	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.17	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 73 00 00-0020	SF		1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	3.23	0.49
			<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.24	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.05	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 73 00 00-0021	SF		1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	3.72	0.54
			<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.31	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.12	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
07 73 00 00-0022	SF		5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	3.92	0.59
			<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.49	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.36	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.73	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.17	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.87	
<b>07 76</b>			<b>Roof Pavers</b> (07 70)		
<b>07 76 16</b>			<b>Roof Decking Pavers</b> (07 76)		
<b>07 76 16 00-0001</b>			<b>Roof Pavers</b> (07 76 16) Note: For walkway application over roofing system.		
07 76 16 00-0002	SF		Up To 100 SF, 2" Concrete Roof Paver .....	12.72	6.26
			<i>For 1-1/2" Thickness, Deduct</i>	-1.27	
			<i>For 2-1/2" Thickness, Add</i>	1.50	
			<i>For 3" Thickness, Add</i>	3.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 76 16 00-0003 SF >100 To 200 SF, 2" Concrete Roof Paver .....	11.51	4.72
<i>For 1-1/2" Thickness, Deduct</i>	-1.15	
<i>For 2-1/2" Thickness, Add</i>	1.37	
<i>For 3" Thickness, Add</i>	2.73	
07 76 16 00-0004 SF >200 To 400 SF, 2" Concrete Roof Paver .....	10.79	3.76
<i>For 1-1/2" Thickness, Deduct</i>	-1.08	
<i>For 2-1/2" Thickness, Add</i>	1.28	
<i>For 3" Thickness, Add</i>	2.56	
07 76 16 00-0005 SF >400 To 1,000 SF, 2" Concrete Roof Paver .....	10.31	3.28
<i>For 1-1/2" Thickness, Deduct</i>	-1.03	
<i>For 2-1/2" Thickness, Add</i>	1.22	
<i>For 3" Thickness, Add</i>	2.44	
07 76 16 00-0006 SF >1,000 SF, 2" Concrete Roof Paver .....	9.74	2.98
<i>For 1-1/2" Thickness, Deduct</i>	-0.97	
<i>For 2-1/2" Thickness, Add</i>	1.15	
<i>For 3" Thickness, Add</i>	2.31	
<b>07 76 16 00-0007 Roof Paver Pedestal (07 76 16)</b>		
07 76 16 00-0008 EA 2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator) .....	23.14	0.98
07 76 16 00-0009 EA 3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator) .....	24.12	0.98
07 76 16 00-0010 EA 4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator) .....	25.11	0.98
07 76 16 00-0011 EA Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator) .....	13.00	0.98
07 76 16 00-0012 EA Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator) .....	11.13	0.98
07 76 16 00-0013 EA 5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal) .....	11.42	0.98
Note: Stackable.		
07 76 16 00-0014 EA 1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal .....	6.48	0.98
Note: Used with High Tab and Elevator pedestals.		
07 76 16 00-0015 EA Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator) .....	8.35	0.98
Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.		
<b>07 76 19 Composite Insulation Concrete Protection Board (07 76)</b>		
Note: Manufactured by T. Clear Corp. 25 year warranty.		
<b>07 76 19 00-0001 Composite Insulation Concrete Protection Board (07 76 19)</b>		
Note: Manufactured by T. Clear Corp. 25 year warranty.		
07 76 19 00-0002 SF 2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF .....	5.41	
<i>For 20 Year Warranty, Deduct</i>	-0.34	
<i>For 15 Year Warranty, Deduct</i>	-0.68	
<i>For 10 Year Warranty, Deduct</i>	-0.91	
<i>For Winds &gt;90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0003 SF 3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF .....	7.10	
<i>For 20 Year Warranty, Deduct</i>	-0.48	
<i>For 15 Year Warranty, Deduct</i>	-0.96	
<i>For 10 Year Warranty, Deduct</i>	-1.30	
<i>For Winds &gt;90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0004 SF 2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF .....	8.34	
<i>For 20 Year Warranty, Deduct</i>	-0.55	
<i>For 15 Year Warranty, Deduct</i>	-1.11	
<i>For 10 Year Warranty, Deduct</i>	-1.51	
<i>For Winds &gt;90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0005 SF 3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF .....	10.11	
<i>For 20 Year Warranty, Deduct</i>	-0.70	
<i>For 15 Year Warranty, Deduct</i>	-1.40	
<i>For 10 Year Warranty, Deduct</i>	-1.89	
<i>For Winds &gt;90 MPH To 120 MPH Warranty, Add</i>	0.10	
<b>07 80 Fire and Smoke Protection (07)</b>		
<b>07 81 Applied Fireproofing (07 80)</b>		
Note: Includes bonding agents as required.		
<b>07 81 16 Cementitious Fireproofing (07 81)</b>		
<b>07 81 16 00-0001 Monokote Fireproofing (07 81 16)</b>		
07 81 16 00-0002 SF Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness .....	2.03	0.69
07 81 16 00-0003 SF Monokote Fireproofing For Structural Steel, Per Inch Of Thickness .....	2.81	1.03
<b>07 81 16 00-0004 Gunitite Fireproofing (07 81 16)</b>		
07 81 16 00-0005 SF 1" Thick, Non Reinforced, Gunitite Fireproofing .....	3.28	0.69
07 81 16 00-0006 SF 1" Thick, Reinforced, Gunitite Fireproofing .....	4.69	0.69
<b>07 81 23 Intumescent Fireproofing (07 81)</b>		
<b>07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF) (07 81 23)</b>		
<b>07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) (07 81 23 00-0001)</b>		
Note: Excludes primer.		
07 81 23 00-0003 SF 1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) .....	15.97	
<i>For &gt;10,000, Deduct</i>	-1.54	

**07 Thermal And Moisture Protection****07 80 Fire and Smoke Protection****07 81 Applied Fireproofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 23 00-0004	SF		1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) ..... <i>For &gt;10,000, Deduct</i>	25.82 -2.52	
<b>07 81 23 00-0005</b>			<b>Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)</b> <small>(07 81 23 00-0001)</small> Note: Excludes primer.		
07 81 23 00-0006	SF		1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) ..... <i>For &gt;10,000, Deduct</i>	10.26 -0.97	
07 81 23 00-0007	SF		1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) ..... <i>For &gt;10,000, Deduct</i>	23.08 -2.25	
07 81 23 00-0008	SF		2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) ..... <i>For &gt;10,000, Deduct</i>	52.61 -5.20	
07 81 23 00-0009	SF		2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) ..... <i>For &gt;10,000, Deduct</i>	72.53 -7.18	
07 81 23 00-0010	SF		3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) ..... <i>For &gt;10,000, Deduct</i>	92.46 -9.17	
07 81 23 00-0011	SF		3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) ..... <i>For &gt;10,000, Deduct</i>	112.42 -11.16	
<b>07 81 23 00-0012</b>			<b>Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)</b> <small>(07 81 23 00-0001)</small> Note: Excludes primer.		
07 81 23 00-0013	SF		1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) ..... <i>For &gt;10,000, Deduct</i>	21.02 -2.04	
07 81 23 00-0014	SF		1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) ..... <i>For &gt;10,000, Deduct</i>	39.29 -3.87	
07 81 23 00-0015	SF		2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) ..... <i>For &gt;10,000, Deduct</i>	62.54 -6.19	
07 81 23 00-0016	SF		2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) ..... <i>For &gt;10,000, Deduct</i>	87.45 -8.68	
07 81 23 00-0017	SF		3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) ..... <i>For &gt;10,000, Deduct</i>	110.69 -11.00	
<b>07 81 23 00-0018</b>			<b>Intumescent Thin Film Fireproofing (Albi Clad FP)</b> <small>(07 81 23)</small>		
<b>07 81 23 00-0019</b>			<b>Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)</b> <small>(07 81 23 00-0018)</small> Note: Excludes primer.		
07 81 23 00-0020	SF		1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) ..... <i>For &gt;10,000, Deduct</i>	10.13 -0.97	
07 81 23 00-0021	SF		1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) ..... <i>For &gt;10,000, Deduct</i>	23.31 -2.29	
07 81 23 00-0022	SF		2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) ..... <i>For &gt;10,000, Deduct</i>	53.70 -5.32	
07 81 23 00-0023	SF		2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) ..... <i>For &gt;10,000, Deduct</i>	74.18 -7.37	
07 81 23 00-0024	SF		3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) ..... <i>For &gt;10,000, Deduct</i>	94.68 -9.41	
<b>07 81 33 Mineral-Fiber Fireproofing</b> <small>(07 81)</small>					
<b>07 81 33 00-0001</b>			<b>Cellulose Fireproofing</b> <small>(07 81 33)</small>		
07 81 33 00-0002	SF		Cellulose Fireproofing, Per Inch Of Thickness.....	2.80	0.69
<b>07 84 Firestopping</b> <small>(07 80)</small>					
<b>07 84 13 Penetration Firestopping</b> <small>(07 84)</small>					
<b>07 84 13 16 Penetration Firestopping Devices</b> <small>(07 84 13)</small>					
<b>07 84 13 16-0001</b>			<b>Firestopping Systems For Cable Penetrations</b> <small>(07 84 13 16)</small>		
<b>07 84 13 16-0002</b>			<b>Intumescent Firestop Cable Sleeve For New Installations</b> <small>(07 84 13 16-0001)</small> Note: Includes putty, escutcheon plates, gaskets and bushings.		
07 84 13 16-0003	EA		1" Diameter Intumescent Firestop Sleeve (STI FS100) .....	62.57	
07 84 13 16-0004	EA		2" Diameter Intumescent Firestop Sleeve (STI FS201) .....	84.53	
07 84 13 16-0005	EA		4" Diameter Intumescent Firestop Sleeve (STI FS401) .....	137.95	
<b>07 84 13 16-0006</b>			<b>Intumescent Firestop Cable Pathway For New Or Existing Cable Installations</b> <small>(07 84 13 16-0001)</small> Note: Includes pathway, putty and wall/floor mounting plates.		
07 84 13 16-0007	EA		1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22) .....	115.34	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 84 13 16-0008	EA 3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS) .....	203.07	
	07 84 13 16-0009	EA 4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44) .....	372.73	
	<b>07 84 13 16-0010</b>	<b>3M Intumescent Firestopping Multi-Trade Pass Through Device (07 84 13 16)</b>		
	07 84 13 16-0011	EA 2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD) .....	260.52	
	07 84 13 16-0012	EA 4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD) .....	241.12	
	07 84 13 16-0013	EA 4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD) .....	248.49	
	<b>07 84 13 16-0014</b>	<b>Intumescent Firestopping Pipe Collar (07 84 13 16)</b>		
	07 84 13 16-0015	EA 1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5) .....	38.08	10.60
	07 84 13 16-0016	EA 2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0) .....	46.21	10.60
	07 84 13 16-0017	EA 3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0) .....	53.85	11.67
	07 84 13 16-0018	EA 4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0) .....	84.95	13.25
	07 84 13 16-0019	EA 8" Intumescent Firestop Pipe Collar (Hilti CP644 8") .....	424.00	15.90
	07 84 13 16-0020	EA 10" Intumescent Firestop Pipe Collar (Hilti CP644 10") .....	548.20	17.49
	<b>07 84 13 16-0021</b>	<b>Fire Rated Enclosures (Fire Rated Product Specialties Corp.) (07 84 13 16)</b>		
		Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.		
	07 84 13 16-0022	EA 12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9) .....	158.89	
		Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
	07 84 13 16-0023	EA 15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9) .....	168.66	
		Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
	07 84 13 16-0024	EA 11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH) .....	334.10	
		Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.		
	07 84 13 16-0025	EA 14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3) .....	211.66	
		Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.		
	<b>07 84 13 16-0026</b>	<b>Intumescent Firestopping Wrap Strips (07 84 13 16)</b>		
	07 84 13 16-0027	LF 1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series) .....	6.26	
	<b>07 84 13 19</b>	<b>Penetration Firestopping Caulk (07 84 13)</b>		
	<b>07 84 13 19-0001</b>	<b>Intumescent Firestopping For Sealing Pipe Penetrations (07 84 13 19)</b>		
		Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
	07 84 13 19-0002	EA 1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	21.95	
		For Intumescent Sealant For Plastic Pipe, Add	0.07	
	07 84 13 19-0003	EA 1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	27.06	
		For Intumescent Sealant For Plastic Pipe, Add	0.37	
	07 84 13 19-0004	EA 1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	26.83	
		For Intumescent Sealant For Plastic Pipe, Add	0.28	
	07 84 13 19-0005	EA 1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	26.44	
		For Intumescent Sealant For Plastic Pipe, Add	0.12	
	07 84 13 19-0006	EA 2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	31.39	
		For Intumescent Sealant For Plastic Pipe, Add	0.79	
	07 84 13 19-0007	EA 2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	31.15	
		For Intumescent Sealant For Plastic Pipe, Add	0.69	
	07 84 13 19-0008	EA 2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	30.77	
		For Intumescent Sealant For Plastic Pipe, Add	0.54	
	07 84 13 19-0009	EA 2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	30.17	
		For Intumescent Sealant For Plastic Pipe, Add	0.30	
	07 84 13 19-0010	EA 2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	29.65	
		For Intumescent Sealant For Plastic Pipe, Add	0.09	
	07 84 13 19-0011	EA 2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	38.16	
		For Intumescent Sealant For Plastic Pipe, Add	1.32	
	07 84 13 19-0012	EA 2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	37.93	
		For Intumescent Sealant For Plastic Pipe, Add	1.23	
	07 84 13 19-0013	EA 2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	37.54	
		For Intumescent Sealant For Plastic Pipe, Add	1.08	
	07 84 13 19-0014	EA 2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	36.94	
		For Intumescent Sealant For Plastic Pipe, Add	0.84	
	07 84 13 19-0015	EA 2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	36.43	
		For Intumescent Sealant For Plastic Pipe, Add	0.63	
	07 84 13 19-0016	EA 2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	35.21	
		For Intumescent Sealant For Plastic Pipe, Add	0.14	
	07 84 13 19-0017	EA 3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	52.49	
		For Intumescent Sealant For Plastic Pipe, Add	3.57	
	07 84 13 19-0018	EA 3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	48.29	
		For Intumescent Sealant For Plastic Pipe, Add	1.89	
	07 84 13 19-0019	EA 3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	47.91	
		For Intumescent Sealant For Plastic Pipe, Add	1.74	
	07 84 13 19-0020	EA 3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	47.30	
		For Intumescent Sealant For Plastic Pipe, Add	1.49	
	07 84 13 19-0021	EA 3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	46.79	
		For Intumescent Sealant For Plastic Pipe, Add	1.29	

**07 Thermal And Moisture Protection****07 80 Fire and Smoke Protection****07 84 Firestopping**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 84 13 19-0022	EA	3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	45.58	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.80	
07 84 13 19-0023	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	44.01	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.18	
07 84 13 19-0024	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	70.92	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	6.58	
07 84 13 19-0025	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	70.49	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	6.41	
07 84 13 19-0026	EA	4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	69.80	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	6.14	
07 84 13 19-0027	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	68.71	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	5.70	
07 84 13 19-0028	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	67.79	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	5.33	
07 84 13 19-0029	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	60.65	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	2.48	
07 84 13 19-0030	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	59.09	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	1.85	
07 84 13 19-0031	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	56.70	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.90	
07 84 13 19-0032	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	114.22	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	15.19	
07 84 13 19-0033	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	113.80	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	15.02	
07 84 13 19-0034	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	113.10	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	14.74	
07 84 13 19-0035	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	112.02	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	14.31	
07 84 13 19-0036	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	111.10	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	13.94	
07 84 13 19-0037	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	108.92	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	13.07	
07 84 13 19-0038	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	106.09	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	11.94	
07 84 13 19-0039	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	101.81	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	10.22	
07 84 13 19-0040	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	85.67	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	3.77	
07 84 13 19-0041	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	152.55	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	23.99	
07 84 13 19-0042	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	148.25	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	22.27	
07 84 13 19-0043	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	139.65	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	18.83	
07 84 13 19-0044	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	104.56	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	4.79	
07 84 13 19-0045	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	194.73	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	34.32	
07 84 13 19-0046	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	169.21	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	24.12	
07 84 13 19-0047	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....	124.18	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	6.10	

**07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations** (07 84 13 19)

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	26.46	
07 84 13 19-0050	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	26.37	
07 84 13 19-0051	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	26.24	
07 84 13 19-0052	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	30.08	
07 84 13 19-0053	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	29.99	
07 84 13 19-0054	EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	29.86	
07 84 13 19-0055	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	29.68	
07 84 13 19-0056	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	29.51	
07 84 13 19-0057	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.99	
07 84 13 19-0058	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.91	
07 84 13 19-0059	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.78	
07 84 13 19-0060	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.59	
07 84 13 19-0061	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.43	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0062	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.01	
07 84 13 19-0063	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.26	
07 84 13 19-0064	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.17	
07 84 13 19-0065	EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.05	
07 84 13 19-0066	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	44.86	
07 84 13 19-0067	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	44.70	
07 84 13 19-0068	EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	44.28	
07 84 13 19-0069	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	43.70	
07 84 13 19-0070	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	57.60	
07 84 13 19-0071	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	57.51	
07 84 13 19-0072	EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	57.39	
07 84 13 19-0073	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	57.18	
07 84 13 19-0074	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	56.99	
07 84 13 19-0075	EA	4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	56.57	
07 84 13 19-0076	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	56.04	
07 84 13 19-0077	EA	4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	55.21	
07 84 13 19-0078	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	83.49	
07 84 13 19-0079	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	83.40	
07 84 13 19-0080	EA	6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	83.28	
07 84 13 19-0081	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	83.09	
07 84 13 19-0082	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	82.93	
07 84 13 19-0083	EA	6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	82.51	
07 84 13 19-0084	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	81.93	
07 84 13 19-0085	EA	6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	81.15	
07 84 13 19-0086	EA	6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	79.45	
07 84 13 19-0087	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	104.02	
07 84 13 19-0088	EA	8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	103.23	
07 84 13 19-0089	EA	8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	101.53	
07 84 13 19-0090	EA	8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	96.73	
07 84 13 19-0091	EA	10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	125.29	
07 84 13 19-0092	EA	10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	120.48	
07 84 13 19-0093	EA	10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	114.12	

**07 84 16 Annular Space Firestopping Protection (07 84)**

07 84 16 00-0001	EA	Intumescent Firestopping For Electrical Outlet Boxes (07 84 16)		
07 84 16 00-0002	EA	Intumescent Putty Pads For Wrapping Outlet Box Exteriors (07 84 16 00-0001)		
07 84 16 00-0003	EA	1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	34.68	
07 84 16 00-0004	EA	2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	49.77	
07 84 16 00-0005	EA	3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	51.95	
07 84 16 00-0006	EA	4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	54.13	
07 84 16 00-0007	EA	5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	56.31	
07 84 16 00-0008	EA	6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	71.39	
07 84 16 00-0009	EA	Intumescent Firestop Gasket For Wall Plates (07 84 16 00-0001)		
07 84 16 00-0010	EA	Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276).....	14.00	
07 84 16 00-0011	EA	Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274).....	14.55	
07 84 16 00-0012	EA	Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272).....	13.54	
07 84 16 00-0013	EA	Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270).....	14.59	

**07 Thermal And Moisture Protection****07 80 Fire and Smoke Protection****07 84 Firestopping**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 84 16 00-0014	EA	Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266).....	14.18	
07 84 16 00-0015	EA	Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265).....	13.61	
<b>07 84 16 00-0016</b>		<b>Intumescent Fire Barrier Pillows For Sealing Large Openings (07 84 16)</b>		
07 84 16 00-0017	EA	2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249).....	36.31	
07 84 16 00-0018	EA	2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269).....	38.96	
07 84 16 00-0019	EA	3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369).....	42.23	
<b>07 84 16 00-0020</b>		<b>Intumescent Fire Barrier Sheets For Sealing Large Openings (07 84 16)</b>		
Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.				
07 84 16 00-0021	EA	16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28).....	327.73	
07 84 16 00-0022	EA	36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2).....	463.44	
07 84 16 00-0023	EA	36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3).....	628.48	
<b>07 84 16 00-0024</b>		<b>Endothermic Mat Wrap Fire Barrier (07 84 16)</b>		
Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.				
07 84 16 00-0025	SF	0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4).....	49.37	
<b>07 84 16 00-0026</b>		<b>Firestopping Caulk For Filling Opening (07 84 16)</b>		
07 84 16 00-0027	GAL	Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+).....	137.41	
<b>07 84 16 00-0028</b>		<b>Firestopping Mortar For Filling Opening (07 84 16)</b>		
07 84 16 00-0029	CF	Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series).....	167.03	
<b>07 84 23</b>		<b>Silicone Firestopping Foams (07 84)</b>		
<b>07 84 23 00-0001</b>		<b>Silicone RTV Foam Seal For Blank Openings (07 84 23)</b>		
07 84 23 00-0002	EA	2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	43.46	
07 84 23 00-0003	EA	4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	106.12	
07 84 23 00-0004	EA	6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	190.07	
07 84 23 00-0005	EA	8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	292.90	
07 84 23 00-0006	EA	10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	420.13	
07 84 23 00-0007	EA	12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	566.35	
07 84 23 00-0008	EA	16" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	959.26	
07 84 23 00-0009	EA	20" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	1,433.13	
07 84 23 00-0010	EA	24" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	2,009.48	
<b>07 84 43</b>		<b>Joint Firestopping (07 84)</b>		
<b>07 84 43 00-0001</b>		<b>Intumescent Firestopping Sealant For Joints (3M CP 25WB+) (07 84 43)</b>		
07 84 43 00-0002	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	385.45	98.03
		For Up To 6 CLF, Add	21.56	
		For >30 CLF, Deduct	-23.84	
07 84 43 00-0003	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	431.16	98.03
		For Up To 4 CLF, Add	24.98	
		For >20 CLF, Deduct	-28.41	
07 84 43 00-0004	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	487.73	101.30
		For Up To 3 CLF, Add	28.96	
		For >15 CLF, Deduct	-33.52	
07 84 43 00-0005	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	510.58	101.30
		For Up To 2.5 CLF, Add	30.67	
		For >13 CLF, Deduct	-35.81	
07 84 43 00-0006	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	579.10	101.30
		For Up To 2 CLF, Add	35.81	
		For >10 CLF, Deduct	-42.66	
07 84 43 00-0007	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	647.63	101.30
		For Up To 1.5 CLF, Add	40.95	
		For >8 CLF, Deduct	-49.51	
07 84 43 00-0008	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	727.05	105.66
		For Up To 1.3 CLF, Add	46.63	
		For >7 CLF, Deduct	-56.91	
07 84 43 00-0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	681.37	105.66
		For Up To 1.4 CLF, Add	43.21	
		For >7.5 CLF, Deduct	-52.34	
07 84 43 00-0010	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	783.64	108.92
		For Up To 1.15 CLF, Add	50.60	
		For >6 CLF, Deduct	-62.03	
07 84 43 00-0011	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	875.01	108.92
		For Up To 1 CLF, Add	57.46	
		For >5 CLF, Deduct	-71.16	
07 84 43 00-0012	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	977.27	112.19
		For Up To 0.8 CLF, Add	64.85	
		For >4.5 CLF, Deduct	-80.84	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0013 CLF 1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+) .....	1,079.54	116.55
<i>For Up To 0.75 CLF, Add</i>	72.25	
<i>For &gt;4 CLF, Deduct</i>	-90.53	
07 84 43 00-0014 CLF 3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+) .....	1,181.80	119.81
<i>For Up To 0.65 CLF, Add</i>	79.65	
<i>For &gt;3.5 CLF, Deduct</i>	-100.21	
07 84 43 00-0015 CLF 3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+) .....	1,488.60	130.72
<i>For Up To 0.5 CLF, Add</i>	101.84	
<i>For &gt;2.5 CLF, Deduct</i>	-129.25	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	164.47	
07 84 43 00-0016 CLF 1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+) .....	1,897.66	144.87
<i>For Up To 0.4 CLF, Add</i>	131.43	
<i>For &gt;2 CLF, Deduct</i>	-167.98	
<b>07 84 43 00-0017 Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) <sup>43)</sup> (07 84</b>		
07 84 43 00-0018 CLF 1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	398.18	98.03
<i>For Up To 6 CLF, Add</i>	22.51	
<i>For &gt;30 CLF, Deduct</i>	-25.11	
07 84 43 00-0019 CLF 1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	450.21	98.03
<i>For Up To 4 CLF, Add</i>	26.41	
<i>For &gt;20 CLF, Deduct</i>	-30.32	
07 84 43 00-0020 CLF 1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	513.14	101.30
<i>For Up To 3 CLF, Add</i>	30.86	
<i>For &gt;15 CLF, Deduct</i>	-36.06	
07 84 43 00-0021 CLF 3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	539.16	101.30
<i>For Up To 2.5 CLF, Add</i>	32.81	
<i>For &gt;13 CLF, Deduct</i>	-38.67	
07 84 43 00-0022 CLF 3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	617.22	101.30
<i>For Up To 2 CLF, Add</i>	38.67	
<i>For &gt;10 CLF, Deduct</i>	-46.47	
07 84 43 00-0023 CLF 3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	695.27	101.30
<i>For Up To 1.5 CLF, Add</i>	44.52	
<i>For &gt;8 CLF, Deduct</i>	-54.28	
07 84 43 00-0024 CLF 3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	784.22	105.66
<i>For Up To 1.3 CLF, Add</i>	50.92	
<i>For &gt;7 CLF, Deduct</i>	-62.63	
07 84 43 00-0025 CLF 1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	732.18	105.66
<i>For Up To 1.4 CLF, Add</i>	47.02	
<i>For &gt;7.5 CLF, Deduct</i>	-57.42	
07 84 43 00-0026 CLF 1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	847.16	108.92
<i>For Up To 1.15 CLF, Add</i>	55.37	
<i>For &gt;6 CLF, Deduct</i>	-68.38	
07 84 43 00-0027 CLF 1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	951.24	108.92
<i>For Up To 1 CLF, Add</i>	63.17	
<i>For &gt;5 CLF, Deduct</i>	-78.79	
07 84 43 00-0028 CLF 1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	1,066.20	112.19
<i>For Up To 0.8 CLF, Add</i>	71.52	
<i>For &gt;4.5 CLF, Deduct</i>	-89.74	
07 84 43 00-0029 CLF 1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	1,181.17	116.55
<i>For Up To 0.75 CLF, Add</i>	79.87	
<i>For &gt;4 CLF, Deduct</i>	-100.69	
07 84 43 00-0030 CLF 3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	1,296.13	119.81
<i>For Up To 0.65 CLF, Add</i>	88.22	
<i>For &gt;3.5 CLF, Deduct</i>	-111.64	
07 84 43 00-0031 CLF 3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	1,641.05	130.72
<i>For Up To 0.5 CLF, Add</i>	113.28	
<i>For &gt;2.5 CLF, Deduct</i>	-144.50	
07 84 43 00-0032 CLF 1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	2,100.92	144.87
<i>For Up To 0.4 CLF, Add</i>	146.68	
<i>For &gt;2 CLF, Deduct</i>	-188.31	
<b>07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) <sup>43)</sup> (07 84</b>		
07 84 43 00-0034 CLF 1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) .....	347.93	98.03
<i>For Up To 6 CLF, Add</i>	18.74	
<i>For &gt;30 CLF, Deduct</i>	-20.09	
07 84 43 00-0035 CLF 1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) .....	374.85	98.03
<i>For Up To 4 CLF, Add</i>	20.76	
<i>For &gt;20 CLF, Deduct</i>	-22.78	
07 84 43 00-0036 CLF 1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) .....	412.65	101.30
<i>For Up To 3 CLF, Add</i>	23.32	
<i>For &gt;15 CLF, Deduct</i>	-26.02	
07 84 43 00-0037 CLF 3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) .....	426.11	101.30
<i>For Up To 2.5 CLF, Add</i>	24.33	
<i>For &gt;13 CLF, Deduct</i>	-27.36	
07 84 43 00-0038 CLF 3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) .....	466.49	101.30
<i>For Up To 2 CLF, Add</i>	27.36	
<i>For &gt;10 CLF, Deduct</i>	-31.40	

**07 Thermal And Moisture Protection****07 80 Fire and Smoke Protection****07 84 Firestopping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0039	CLF		3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	506.86	101.30
			<i>For Up To 1.5 CLF, Add</i>	30.39	
			<i>For &gt;8 CLF, Deduct</i>	-35.44	
07 84 43 00-0040	CLF		3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	558.13	105.66
			<i>For Up To 1.3 CLF, Add</i>	33.96	
			<i>For &gt;7 CLF, Deduct</i>	-40.02	
07 84 43 00-0041	CLF		1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	531.21	105.66
			<i>For Up To 1.4 CLF, Add</i>	31.94	
			<i>For &gt;7.5 CLF, Deduct</i>	-37.33	
07 84 43 00-0042	CLF		1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	595.94	108.92
			<i>For Up To 1.15 CLF, Add</i>	36.53	
			<i>For &gt;6 CLF, Deduct</i>	-43.26	
07 84 43 00-0043	CLF		1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	649.77	108.92
			<i>For Up To 1 CLF, Add</i>	40.56	
			<i>For &gt;5 CLF, Deduct</i>	-48.64	
07 84 43 00-0044	CLF		1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	714.50	112.19
			<i>For Up To 0.8 CLF, Add</i>	45.15	
			<i>For &gt;4.5 CLF, Deduct</i>	-54.57	
07 84 43 00-0045	CLF		1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	779.22	116.55
			<i>For Up To 0.75 CLF, Add</i>	49.73	
			<i>For &gt;4 CLF, Deduct</i>	-60.49	
07 84 43 00-0046	CLF		3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	843.94	119.81
			<i>For Up To 0.65 CLF, Add</i>	54.31	
			<i>For &gt;3.5 CLF, Deduct</i>	-66.42	
07 84 43 00-0047	CLF		3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	1,038.13	130.72
			<i>For Up To 0.5 CLF, Add</i>	68.06	
			<i>For &gt;2.5 CLF, Deduct</i>	-84.21	
07 84 43 00-0048	CLF		1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	1,297.03	144.87
			<i>For Up To 0.4 CLF, Add</i>	86.38	
			<i>For &gt;2 CLF, Deduct</i>	-107.92	

**07 84 56 Fire Safing** (07 84)**07 84 56 13 Fibrous Fire Safing** (07 84 56)**07 84 56 13-0001 Thermal Barrier Wrap** (07 84 56 13)

Note: Includes cutting wrap to fit pipe or conduit and sealing edges.

07 84 56 13-0002	SF		1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A).....	10.24	
			<i>For Work In Restricted Working Space, Add</i>	1.34	
07 84 56 13-0003	SF		1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A).....	16.46	
			Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
			<i>For Work In Restricted Working Space, Add</i>	1.34	
07 84 56 13-0004	SF		2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A).....	17.95	
			Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
			<i>For Work In Restricted Working Space, Add</i>	1.34	

**07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing** (07 84 56 13)

07 84 56 13-0006	SF		1/2" Thermal Ceramics FireMaster Blanket Wrap.....	18.94	11.15
			<i>For Work In Restricted Working Space, Add</i>	4.48	
			<i>For &gt;500 To 5,000, Deduct</i>	-1.67	
			<i>For &gt;5,000, Deduct</i>	-2.98	
07 84 56 13-0007	SF		1" Thermal Ceramics FireMaster Blanket Wrap.....	22.26	11.15
			<i>For Work In Restricted Working Space, Add</i>	4.48	
			<i>For &gt;500 To 5,000, Deduct</i>	-2.43	
			<i>For &gt;5,000, Deduct</i>	-4.21	
07 84 56 13-0008	SF		1-1/2" Thermal Ceramics FireMaster Blanket Wrap.....	25.90	11.15
			<i>For Work In Restricted Working Space, Add</i>	4.48	
			<i>For &gt;500 To 5,000, Deduct</i>	-3.27	
			<i>For &gt;5,000, Deduct</i>	-5.55	
07 84 56 13-0009	SF		2" Thermal Ceramics FireMaster Blanket Wrap.....	29.55	11.15
			<i>For Work In Restricted Working Space, Add</i>	4.48	
			<i>For &gt;500 To 5,000, Deduct</i>	-4.11	
			<i>For &gt;5,000, Deduct</i>	-6.90	

**07 90 Joint Protection** (07)**07 91 Preformed Joint Seals** (07 90)**07 91 23 Backer Rods** (07 91)**07 91 23 00-0001 Backer Rods** (07 91 23)

07 91 23 00-0002	LF		1/4" Polyethylene Or Polyurethane Backer Rod.....	1.60	0.49
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 23 00-0003 LF 3/8" Polyethylene Or Polyurethane Backer Rod .....	1.72	0.49
07 91 23 00-0004 LF 1/2" Polyethylene Or Polyurethane Backer Rod .....	1.85	0.49
07 91 23 00-0005 LF 5/8" Polyethylene Or Polyurethane Backer Rod .....	1.98	0.49
07 91 23 00-0006 LF 3/4" Polyethylene Or Polyurethane Backer Rod .....	2.06	0.59
07 91 23 00-0007 LF 7/8" Polyethylene Or Polyurethane Backer Rod .....	2.19	0.59
07 91 23 00-0008 LF 1" Polyethylene Or Polyurethane Backer Rod .....	2.46	0.59
07 91 23 00-0009 LF 1-1/4" Polyethylene Or Polyurethane Backer Rod .....	2.73	0.68
07 91 23 00-0010 LF 1-1/2" Polyethylene Or Polyurethane Backer Rod .....	3.08	0.78
07 91 23 00-0011 LF 2" Polyethylene Or Polyurethane Backer Rod .....	3.71	0.88
07 91 23 00-0012 LF 3" Polyethylene Or Polyurethane Backer Rod .....	5.93	1.08
<b>07 91 26 Joint Fillers (07 91)</b>		
<b>07 91 26 00-0001 Butyl Rubber Fillers (07 91 26)</b>		
07 91 26 00-0002 LF 1/4" x 1/4" Butyl Rubber Filler .....	2.25	0.59
		<i>For Custom Match Coloring, Add</i>
		0.04
07 91 26 00-0003 LF 1/2" x 1/2" Butyl Rubber Filler .....	6.75	1.67
		<i>For Custom Match Coloring, Add</i>
		0.16
07 91 26 00-0004 LF 1/2" x 3/4" Butyl Rubber Filler .....	8.17	1.77
		<i>For Custom Match Coloring, Add</i>
		0.24
07 91 26 00-0005 LF 3/4" x 3/4" Butyl Rubber Filler .....	8.89	1.86
07 91 26 00-0006 LF 1" x 1" Butyl Rubber Filler .....	11.91	3.44
<b>07 91 26 00-0007 Closed Cell Neoprene (07 91 26)</b>		
07 91 26 00-0008 CLF 1/8" x 3" Neoprene Gasket Closed Cell, Adhesive .....	390.18	113.15
07 91 26 00-0009 CLF 1/8" x 6" Neoprene Gasket Closed Cell, Adhesive .....	623.18	163.45
07 91 26 00-0010 CLF 1/4" x 3" Neoprene Gasket Closed Cell, Adhesive .....	499.42	140.11
07 91 26 00-0011 CLF 1/4" x 6" Neoprene Gasket Closed Cell, Adhesive .....	573.07	147.07
07 91 26 00-0012 CLF 1/2" x 6" Neoprene Gasket Closed Cell, Adhesive .....	874.68	226.29
07 91 26 00-0013 CLF 1/2" x 9" Neoprene Gasket Closed Cell, Adhesive .....	998.71	245.11
07 91 26 00-0014 CLF 1/2" x 12" Neoprene Gasket Closed Cell, Adhesive .....	896.49	178.25
<b>07 91 26 00-0015 Closed Cell Polyvinyl Chloride (07 91 26)</b>		
07 91 26 00-0016 CLF 1/8" x 3" Polyethylene Joint Backing, Closed Cell .....	397.46	140.11
07 91 26 00-0017 CLF 1/8" x 6" Polyethylene Joint Backing, Closed Cell .....	666.85	226.29
07 91 26 00-0018 CLF 1/4" x 3" Polyethylene Joint Backing, Closed Cell .....	518.02	193.15
07 91 26 00-0019 CLF 1/4" x 6" Polyethylene Joint Backing, Closed Cell .....	619.17	203.94
07 91 26 00-0020 CLF 1/2" x 6" Polyethylene Joint Backing, Closed Cell .....	943.02	312.77
07 91 26 00-0021 CLF 1/2" x 9" Polyethylene Joint Backing, Closed Cell .....	1,099.81	339.43
07 91 26 00-0022 CLF 1/2" x 12" Polyethylene Joint Backing, Closed Cell .....	1,449.84	406.89
<b>07 91 26 00-0023 Silicon RTV Foam Penetration Seal (07 91 26)</b>		
07 91 26 00-0024 CLF 1/4" x 1/2" Silicon RTV Foam Seal .....	153.28	22.46
07 91 26 00-0025 CLF 1/2" x 1/2" Silicon RTV Foam Seal .....	306.55	44.80
07 91 26 00-0026 CLF 1/2" x 3/4" Silicon RTV Foam Seal .....	457.31	66.58
07 91 26 00-0027 CLF 3/4" x 3/4" Silicon RTV Foam Seal .....	652.43	89.72
07 91 26 00-0028 CLF 1/8" x 1" Silicon RTV Foam Seal .....	153.28	22.46
07 91 26 00-0029 CLF 1/8" x 3" Silicon RTV Foam Seal .....	456.91	66.38
07 91 26 00-0030 CLF 1/4" x 3" Silicon RTV Foam Seal .....	803.46	99.71
07 91 26 00-0031 CLF 1/4" x 6" Silicon RTV Foam Seal .....	1,605.17	198.73
07 91 26 00-0032 CLF 1/2" x 6" Silicon RTV Foam Seal .....	3,075.28	358.76
07 91 26 00-0033 CLF 1/2" x 9" Silicon RTV Foam Seal .....	4,685.04	560.43
07 91 26 00-0034 CLF 1/2" x 12" Silicon RTV Foam Seal .....	6,759.95	896.73
<b>07 91 26 00-0035 Seals O-Ring Type Cord "J-Seal" (07 91 26)</b>		
07 91 26 00-0036 LF 1/4" Seals O-Ring Cord, J-Seal .....	4.18	1.28
07 91 26 00-0037 LF 1/2" Seals O-Ring Cord, J-Seal .....	4.44	1.28
07 91 26 00-0038 LF 3/4" Seals O-Ring Cord, J-Seal .....	4.66	1.38
07 91 26 00-0039 LF 1" Seals O-Ring Cord, J-Seal .....	4.91	1.47
07 91 26 00-0040 LF 1-1/4" Seals O-Ring Cord, J-Seal .....	5.25	1.57
07 91 26 00-0041 LF 1-1/2" Seals O-Ring Cord, J-Seal .....	5.50	1.57
07 91 26 00-0042 LF 1-3/4" Seals O-Ring Cord, J-Seal .....	5.82	1.67
07 91 26 00-0043 LF 2" Seals O-Ring Cord, J-Seal .....	6.01	1.67
<b>07 91 33 Expansion Joint Seal Systems (07 91)</b>		
<b>07 91 33 00-0001 Expansion Joint Seal Systems (Wabo®) (07 91 33)</b>		
<b>07 91 33 00-0002 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) (07 91 33 00-0001)</b>		
Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.		
07 91 33 00-0003 LF 1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH) .....	86.99	6.91
07 91 33 00-0004 LF 3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH) .....	117.09	7.25

**07 Thermal And Moisture Protection****07 90 Joint Protection****07 91 Prefomed Joint Seals**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0005 LF 1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH).....	148.84	7.57
07 91 33 00-0006 LF 1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH).....	184.17	7.90
07 91 33 00-0007 LF 1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH).....	239.64	8.23
07 91 33 00-0008 LF 1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH).....	275.58	8.56
07 91 33 00-0009 LF 2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH).....	320.18	8.89
<b>07 91 33 00-0010 Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)</b> Note: Includes prefomed neoprene joint seal and lubricant adhesive.		
07 91 33 00-0011 LF 0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162).....	43.26	6.91
07 91 33 00-0012 LF 0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175).....	47.42	7.01
07 91 33 00-0013 LF 0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200).....	57.81	7.11
07 91 33 00-0014 LF 0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225).....	61.48	7.25
07 91 33 00-0015 LF 1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250).....	65.83	7.34
07 91 33 00-0016 LF 1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300).....	81.26	7.44
07 91 33 00-0017 LF 1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350).....	100.84	7.57
07 91 33 00-0018 LF 1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400).....	119.66	7.90
07 91 33 00-0019 LF 1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500).....	135.73	8.23
<b>07 91 33 00-0020 Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)</b> Note: Includes prefomed Santoprene® joint seal and lubricant adhesive.		
07 91 33 00-0021 LF 0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100).....	35.81	6.91
07 91 33 00-0022 LF 0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225).....	47.18	7.25
07 91 33 00-0023 LF 1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250).....	58.35	7.57
07 91 33 00-0024 LF 1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300).....	61.72	7.73
07 91 33 00-0025 LF 1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400).....	68.71	7.90
07 91 33 00-0026 LF 1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500).....	99.68	8.23
07 91 33 00-0027 LF 1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600).....	138.04	8.56
<b>07 91 33 00-0028 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) (07 91 33 00-0001)</b> Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0029 LF 1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100).....	32.48	2.74
07 91 33 00-0030 LF 3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150).....	54.85	2.86
07 91 33 00-0031 LF 1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200).....	82.86	2.97
07 91 33 00-0032 LF 1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250).....	104.63	3.07
07 91 33 00-0033 LF 1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300).....	137.87	3.18
07 91 33 00-0034 LF 1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350).....	182.60	3.29
07 91 33 00-0035 LF 2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400).....	224.10	3.40
07 91 33 00-0036 LF 2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500).....	302.46	3.52
07 91 33 00-0037 LF 3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600).....	353.24	3.62
<b>07 91 33 00-0038 Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) (07 91 33 00-0001)</b> Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0039 LF 0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100).....	31.67	2.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0040 LF 1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150) .....	41.96	2.86
07 91 33 00-0041 LF 1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200) .....	56.48	2.97
07 91 33 00-0042 LF 1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250) .....	76.84	3.07
07 91 33 00-0043 LF 2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300) .....	87.72	3.18
07 91 33 00-0044 LF 2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350) .....	121.99	3.29
07 91 33 00-0045 LF 3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400) .....	164.09	3.40
07 91 33 00-0046 LF 3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500) .....	177.19	3.52

**07 92 Joint Sealants** (07 90)

**07 92 13 Elastomeric Joint Sealants** (07 92)

**07 92 13 00-0001 Silicone Sealant And Caulking** (07 92 13)

07 92 13 00-0002 CLF 1/4" x 1/4" Joint, Silicone Sealant And Caulking .....	344.85	98.03
<i>For Custom Match Coloring, Add</i>	12.18	
<i>For Up To 6 CLF, Add</i>	18.51	
<i>For &gt;30 CLF, Deduct</i>	-19.78	
<i>For 1 Part Mildew Resistant, Add</i>	17.76	
<i>For High-Modulus Non-Acid Curing, Add</i>	10.15	
07 92 13 00-0003 CLF 1/4" x 3/8" Joint, Silicone Sealant And Caulking .....	370.22	98.03
<i>For Custom Match Coloring, Add</i>	18.27	
<i>For Up To 4 CLF, Add</i>	20.41	
<i>For &gt;20 CLF, Deduct</i>	-22.32	
<i>For 1 Part Mildew Resistant, Add</i>	26.64	
<i>For High-Modulus Non-Acid Curing, Add</i>	15.22	
07 92 13 00-0004 CLF 1/4" x 1/2" Joint, Silicone Sealant And Caulking .....	406.48	101.30
<i>For Custom Match Coloring, Add</i>	24.36	
<i>For Up To 3 CLF, Add</i>	22.86	
<i>For &gt;15 CLF, Deduct</i>	-25.40	
<i>For 1 Part Mildew Resistant, Add</i>	35.52	
<i>For High-Modulus Non-Acid Curing, Add</i>	20.30	
07 92 13 00-0005 CLF 3/8" x 3/8" Joint, Silicone Sealant And Caulking .....	419.17	101.30
<i>For Custom Match Coloring, Add</i>	27.40	
<i>For Up To 2.5 CLF, Add</i>	23.81	
<i>For &gt;13 CLF, Deduct</i>	-26.67	
<i>For 1 Part Mildew Resistant, Add</i>	39.96	
<i>For High-Modulus Non-Acid Curing, Add</i>	22.84	
07 92 13 00-0006 CLF 3/8" x 1/2" Joint, Silicone Sealant And Caulking .....	457.23	101.30
<i>For Custom Match Coloring, Add</i>	36.54	
<i>For Up To 2 CLF, Add</i>	26.67	
<i>For &gt;10 CLF, Deduct</i>	-30.47	
<i>For 1 Part Mildew Resistant, Add</i>	53.28	
<i>For High-Modulus Non-Acid Curing, Add</i>	30.45	
07 92 13 00-0007 CLF 3/8" x 5/8" Joint, Silicone Sealant And Caulking .....	495.29	101.30
<i>For Custom Match Coloring, Add</i>	45.67	
<i>For Up To 1.5 CLF, Add</i>	29.52	
<i>For &gt;8 CLF, Deduct</i>	-34.28	
<i>For 1 Part Mildew Resistant, Add</i>	66.61	
<i>For High-Modulus Non-Acid Curing, Add</i>	38.06	
07 92 13 00-0008 CLF 3/8" x 3/4" Joint, Silicone Sealant And Caulking .....	544.24	105.66
<i>For Custom Match Coloring, Add</i>	54.81	
<i>For Up To 1.3 CLF, Add</i>	32.92	
<i>For &gt;7 CLF, Deduct</i>	-38.63	
<i>For 1 Part Mildew Resistant, Add</i>	79.93	
<i>For High-Modulus Non-Acid Curing, Add</i>	45.67	
07 92 13 00-0009 CLF 1/2" x 1/2" Joint, Silicone Sealant And Caulking .....	518.87	105.66
<i>For Custom Match Coloring, Add</i>	48.72	
<i>For Up To 1.4 CLF, Add</i>	31.02	
<i>For &gt;7.5 CLF, Deduct</i>	-36.09	
<i>For 1 Part Mildew Resistant, Add</i>	71.05	
<i>For High-Modulus Non-Acid Curing, Add</i>	40.60	
07 92 13 00-0010 CLF 1/2" x 5/8" Joint, Silicone Sealant And Caulking .....	580.51	108.92
<i>For Custom Match Coloring, Add</i>	60.90	
<i>For Up To 1.15 CLF, Add</i>	35.37	
<i>For &gt;6 CLF, Deduct</i>	-41.71	
<i>For 1 Part Mildew Resistant, Add</i>	88.81	
<i>For High-Modulus Non-Acid Curing, Add</i>	50.75	
07 92 13 00-0011 CLF 1/2" x 3/4" Joint, Silicone Sealant And Caulking .....	631.26	108.92
<i>For Custom Match Coloring, Add</i>	73.08	
<i>For Up To 1 CLF, Add</i>	39.18	
<i>For &gt;5 CLF, Deduct</i>	-46.79	
<i>For 1 Part Mildew Resistant, Add</i>	106.57	
<i>For High-Modulus Non-Acid Curing, Add</i>	60.90	

**07 Thermal And Moisture Protection****07 90 Joint Protection****07 92 Joint Sealants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0012	CLF		1/2" x 7/8" Joint, Silicone Sealant And Caulking .....	692.90	112.19
			<i>For Custom Match Coloring, Add</i>	85.26	
			<i>For Up To 0.8 CLF, Add</i>	43.53	
			<i>For &gt;4.5 CLF, Deduct</i>	-52.41	
			<i>For 1 Part Mildew Resistant, Add</i>	124.33	
			<i>For High-Modulus Non-Acid Curing, Add</i>	71.05	
07 92 13 00-0013	CLF		1/2" x 1" Joint, Silicone Sealant And Caulking .....	754.53	116.55
			<i>For Custom Match Coloring, Add</i>	97.43	
			<i>For Up To 0.75 CLF, Add</i>	47.88	
			<i>For &gt;4 CLF, Deduct</i>	-58.03	
			<i>For 1 Part Mildew Resistant, Add</i>	142.09	
			<i>For High-Modulus Non-Acid Curing, Add</i>	81.19	
07 92 13 00-0014	CLF		3/4" x 3/4" Joint, Silicone Sealant And Caulking .....	816.17	119.81
			<i>For Custom Match Coloring, Add</i>	109.61	
			<i>For Up To 0.65 CLF, Add</i>	52.23	
			<i>For &gt;3.5 CLF, Deduct</i>	-63.64	
			<i>For 1 Part Mildew Resistant, Add</i>	159.85	
			<i>For High-Modulus Non-Acid Curing, Add</i>	91.34	
07 92 13 00-0015	CLF		3/4" x 1" Joint, Silicone Sealant And Caulking .....	1,001.10	130.72
			<i>For Custom Match Coloring, Add</i>	146.15	
			<i>For Up To 0.5 CLF, Add</i>	65.28	
			<i>For &gt;2.5 CLF, Deduct</i>	-80.50	
			<i>For 1 Part Mildew Resistant, Add</i>	213.14	
			<i>For High-Modulus Non-Acid Curing, Add</i>	121.79	
07 92 13 00-0016	CLF		1" x 1" Joint, Silicone Sealant And Caulking .....	1,247.66	144.87
			<i>For Custom Match Coloring, Add</i>	194.87	
			<i>For Up To 0.4 CLF, Add</i>	82.68	
			<i>For &gt;2 CLF, Deduct</i>	-102.98	
			<i>For 1 Part Mildew Resistant, Add</i>	284.18	
			<i>For High-Modulus Non-Acid Curing, Add</i>	162.39	
07 92 13 00-0017	<b>Acrylic/Latex Sealant And Caulking</b> <small>(07 92 13)</small>				
07 92 13 00-0018	CLF		1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking .....	311.90	98.03
			<i>For Up To 6 CLF, Add</i>	16.04	
			<i>For &gt;30 CLF, Deduct</i>	-16.49	
07 92 13 00-0019	CLF		1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking .....	320.81	98.03
			<i>For Up To 4 CLF, Add</i>	16.71	
			<i>For &gt;20 CLF, Deduct</i>	-17.38	
07 92 13 00-0020	CLF		1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking .....	340.60	101.30
			<i>For Up To 3 CLF, Add</i>	17.92	
			<i>For &gt;15 CLF, Deduct</i>	-18.81	
07 92 13 00-0021	CLF		3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking .....	345.05	101.30
			<i>For Up To 2.5 CLF, Add</i>	18.25	
			<i>For &gt;13 CLF, Deduct</i>	-19.26	
07 92 13 00-0022	CLF		3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking .....	358.40	101.30
			<i>For Up To 2 CLF, Add</i>	19.26	
			<i>For &gt;10 CLF, Deduct</i>	-20.59	
07 92 13 00-0023	CLF		3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking .....	371.75	101.30
			<i>For Up To 1.5 CLF, Add</i>	20.26	
			<i>For &gt;8 CLF, Deduct</i>	-21.93	
07 92 13 00-0024	CLF		3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking .....	396.00	105.66
			<i>For Up To 1.3 CLF, Add</i>	21.80	
			<i>For &gt;7 CLF, Deduct</i>	-23.81	
07 92 13 00-0025	CLF		1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking .....	387.09	105.66
			<i>For Up To 1.4 CLF, Add</i>	21.13	
			<i>For &gt;7.5 CLF, Deduct</i>	-22.92	
07 92 13 00-0026	CLF		1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking .....	415.80	108.92
			<i>For Up To 1.15 CLF, Add</i>	23.02	
			<i>For &gt;6 CLF, Deduct</i>	-25.24	
07 92 13 00-0027	CLF		1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking .....	433.60	108.92
			<i>For Up To 1 CLF, Add</i>	24.35	
			<i>For &gt;5 CLF, Deduct</i>	-27.02	
07 92 13 00-0028	CLF		1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking .....	462.30	112.19
			<i>For Up To 0.8 CLF, Add</i>	26.23	
			<i>For &gt;4.5 CLF, Deduct</i>	-29.35	
07 92 13 00-0029	CLF		1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking .....	490.99	116.55
			<i>For Up To 0.75 CLF, Add</i>	28.11	
			<i>For &gt;4 CLF, Deduct</i>	-31.67	
07 92 13 00-0030	CLF		3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking .....	519.68	119.81
			<i>For Up To 0.65 CLF, Add</i>	29.99	
			<i>For &gt;3.5 CLF, Deduct</i>	-34.00	
07 92 13 00-0031	CLF		3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking .....	605.78	130.72
			<i>For Up To 0.5 CLF, Add</i>	35.63	
			<i>For &gt;2.5 CLF, Deduct</i>	-40.97	
07 92 13 00-0032	CLF		1" x 1" Joint, Acrylic/Latex Sealant And Caulking .....	720.57	144.87
			<i>For Up To 0.4 CLF, Add</i>	43.15	
			<i>For &gt;2 CLF, Deduct</i>	-50.27	
07 92 13 00-0033	<b>Polyurethane Sealant And Caulking</b> <small>(07 92 13)</small>				
			Note: 1 or 2 part, non-sag.		
07 92 13 00-0034	CLF		1/4" x 1/4" Joint, Polyurethane Sealant And Caulking .....	333.02	98.03
			<i>For Up To 6 CLF, Add</i>	17.62	
			<i>For &gt;30 CLF, Deduct</i>	-18.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0035 CLF 1/4" x 3/8" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 4 CLF, Add</i> <i>For &gt;20 CLF, Deduct</i>	352.48 19.08 -20.54	98.03
07 92 13 00-0036 CLF 1/4" x 1/2" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 3 CLF, Add</i> <i>For &gt;15 CLF, Deduct</i>	382.83 21.09 -23.03	101.30
07 92 13 00-0037 CLF 3/8" x 3/8" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	392.56 21.82 -24.01	101.30
07 92 13 00-0038 CLF 3/8" x 1/2" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	421.75 24.01 -26.93	101.30
07 92 13 00-0039 CLF 3/8" x 5/8" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 1.5 CLF, Add</i> <i>For &gt;8 CLF, Deduct</i>	450.94 26.20 -29.84	101.30
07 92 13 00-0040 CLF 3/8" x 3/4" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 1.3 CLF, Add</i> <i>For &gt;7 CLF, Deduct</i>	491.02 28.93 -33.31	105.66
07 92 13 00-0041 CLF 1/2" x 1/2" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 1.4 CLF, Add</i> <i>For &gt;7.5 CLF, Deduct</i>	471.56 27.47 -31.36	105.66
07 92 13 00-0042 CLF 1/2" x 5/8" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 1.15 CLF, Add</i> <i>For &gt;6 CLF, Deduct</i>	521.38 30.93 -35.80	108.92
07 92 13 00-0043 CLF 1/2" x 3/4" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 1 CLF, Add</i> <i>For &gt;5 CLF, Deduct</i>	560.31 33.85 -39.69	108.92
07 92 13 00-0044 CLF 1/2" x 7/8" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 0.8 CLF, Add</i> <i>For &gt;4.5 CLF, Deduct</i>	610.12 37.32 -44.13	112.19
07 92 13 00-0045 CLF 1/2" x 1" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 0.75 CLF, Add</i> <i>For &gt;4 CLF, Deduct</i>	659.93 40.78 -48.57	116.55
07 92 13 00-0046 CLF 3/4" x 3/4" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	709.74 44.24 -53.00	119.81
07 92 13 00-0047 CLF 3/4" x 1" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i>	859.19 54.64 -66.31	130.72
<b>07 92 13 00-0048 Flexible Polysulfide Sealant And Caulking, Clear</b> <small>(07 92 13)</small> Note: 1 or 2 part, non-sag.		
07 92 13 00-0049 CLF 1/4" x 1/4" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 6 CLF, Add</i> <i>For &gt;30 CLF, Deduct</i>	336.71 17.90 -18.97	98.03
07 92 13 00-0050 CLF 1/4" x 3/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 4 CLF, Add</i> <i>For &gt;20 CLF, Deduct</i>	358.04 19.50 -21.10	98.03
07 92 13 00-0051 CLF 1/4" x 1/2" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 3 CLF, Add</i> <i>For &gt;15 CLF, Deduct</i>	390.24 21.64 -23.77	101.30
07 92 13 00-0052 CLF 3/8" x 3/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	400.89 22.44 -24.84	101.30
07 92 13 00-0053 CLF 3/8" x 1/2" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	432.87 24.84 -28.04	101.30
07 92 13 00-0054 CLF 3/8" x 5/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1.5 CLF, Add</i> <i>For &gt;8 CLF, Deduct</i>	464.83 27.24 -31.23	101.30
07 92 13 00-0055 CLF 3/8" x 3/4" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1.3 CLF, Add</i> <i>For &gt;7 CLF, Deduct</i>	507.68 30.18 -34.97	105.66
07 92 13 00-0056 CLF 1/2" x 1/2" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1.4 CLF, Add</i> <i>For &gt;7.5 CLF, Deduct</i>	486.38 28.58 -32.84	105.66
07 92 13 00-0057 CLF 1/2" x 5/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1.15 CLF, Add</i> <i>For &gt;6 CLF, Deduct</i>	539.91 32.32 -37.65	108.92
07 92 13 00-0058 CLF 1/2" x 3/4" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1 CLF, Add</i> <i>For &gt;5 CLF, Deduct</i>	582.52 35.52 -41.91	108.92
07 92 13 00-0059 CLF 1/2" x 7/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 0.8 CLF, Add</i> <i>For &gt;4.5 CLF, Deduct</i>	636.05 39.26 -46.72	112.19
07 92 13 00-0060 CLF 1/2" x 1" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 0.75 CLF, Add</i> <i>For &gt;4 CLF, Deduct</i>	689.55 43.00 -51.53	116.55
07 92 13 00-0061 CLF 3/4" x 3/4" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	743.08 46.74 -56.34	119.81
07 92 13 00-0062 CLF 3/4" x 1" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i>	903.63 57.97 -70.76	130.72

**07 Thermal And Moisture Protection****07 90 Joint Protection****07 92 Joint Sealants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 92 13 00-0063 Flexible Polyurethane Security Sealant And Caulking</b> <small>(07 92 13)</small> Note: 1 or 2 part, non-sag.		
07 92 13 00-0064 CLF 1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking .....	345.76	98.03
For Up To 6 CLF, Add	18.58	
For >30 CLF, Deduct	-19.87	
07 92 13 00-0065 CLF 1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking .....	371.58	98.03
For Up To 4 CLF, Add	20.52	
For >20 CLF, Deduct	-22.45	
07 92 13 00-0066 CLF 1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking .....	408.30	101.30
For Up To 3 CLF, Add	23.00	
For >15 CLF, Deduct	-25.58	
07 92 13 00-0067 CLF 3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking .....	421.22	101.30
For Up To 2.5 CLF, Add	23.97	
For >13 CLF, Deduct	-26.87	
07 92 13 00-0068 CLF 3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking .....	459.96	101.30
For Up To 2 CLF, Add	26.87	
For >10 CLF, Deduct	-30.75	
07 92 13 00-0069 CLF 3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking .....	498.70	101.30
For Up To 1.5 CLF, Add	29.78	
For >8 CLF, Deduct	-34.62	
07 92 13 00-0070 CLF 3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking .....	548.33	105.66
For Up To 1.3 CLF, Add	33.23	
For >7 CLF, Deduct	-39.04	
07 92 13 00-0071 CLF 1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking .....	522.51	105.66
For Up To 1.4 CLF, Add	31.29	
For >7.5 CLF, Deduct	-36.46	
07 92 13 00-0072 CLF 1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking .....	585.06	108.92
For Up To 1.15 CLF, Add	35.71	
For >6 CLF, Deduct	-42.17	
07 92 13 00-0073 CLF 1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking .....	636.72	108.92
For Up To 1 CLF, Add	39.58	
For >5 CLF, Deduct	-47.33	
07 92 13 00-0074 CLF 1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking .....	699.26	112.19
For Up To 0.8 CLF, Add	44.00	
For >4.5 CLF, Deduct	-53.04	
07 92 13 00-0075 CLF 1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking .....	761.81	116.55
For Up To 0.75 CLF, Add	48.42	
For >4 CLF, Deduct	-58.75	
07 92 13 00-0076 CLF 3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking .....	824.36	119.81
For Up To 0.65 CLF, Add	52.84	
For >3.5 CLF, Deduct	-64.46	
07 92 13 00-0077 CLF 3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking .....	1,012.02	130.72
For Up To 0.5 CLF, Add	66.10	
For >2.5 CLF, Deduct	-81.60	
<b>07 92 19 Acoustical Joint Sealants</b> <small>(07 92)</small>		
<b>07 92 19 00-0001 Acoustical Sealant</b> <small>(07 92 19)</small>		
07 92 19 00-0002 CLF 1/4" x 1/4" Joint, Acoustical Sealant.....	341.40	98.03
For Custom Match Coloring, Add	11.35	
For Up To 6 CLF, Add	18.25	
For >30 CLF, Deduct	-19.44	
For 1 Part Mildew Resistant, Add	16.56	
For High-Modulus Non-Acid Curing, Add	9.46	
07 92 19 00-0003 CLF 1/4" x 3/8" Joint, Acoustical Sealant.....	359.37	98.03
For Custom Match Coloring, Add	15.66	
For Up To 4 CLF, Add	19.60	
For >20 CLF, Deduct	-21.23	
For 1 Part Mildew Resistant, Add	22.84	
For High-Modulus Non-Acid Curing, Add	13.05	
07 92 19 00-0004 CLF 1/4" x 1/2" Joint, Acoustical Sealant.....	380.84	101.30
For Custom Match Coloring, Add	18.20	
For Up To 3 CLF, Add	20.94	
For >15 CLF, Deduct	-22.83	
For 1 Part Mildew Resistant, Add	26.55	
For High-Modulus Non-Acid Curing, Add	15.17	
07 92 19 00-0005 CLF 3/8" x 3/8" Joint, Acoustical Sealant.....	410.24	101.30
For Custom Match Coloring, Add	25.26	
For Up To 2.5 CLF, Add	23.14	
For >13 CLF, Deduct	-25.77	
For 1 Part Mildew Resistant, Add	36.84	
For High-Modulus Non-Acid Curing, Add	21.05	
07 92 19 00-0006 CLF 3/8" x 1/2" Joint, Acoustical Sealant.....	440.79	101.30
For Custom Match Coloring, Add	32.59	
For Up To 2 CLF, Add	25.43	
For >10 CLF, Deduct	-28.83	
For 1 Part Mildew Resistant, Add	47.53	
For High-Modulus Non-Acid Curing, Add	27.16	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 19 00-0007 CLF 1/2" x 1/2" Joint, Acoustical Sealant .....	507.24	105.66
<i>For Custom Match Coloring, Add</i>	45.93	
<i>For Up To 1.4 CLF, Add</i>	30.15	
<i>For &gt;7.5 CLF, Deduct</i>	-34.93	
<i>For 1 Part Mildew Resistant, Add</i>	66.98	
<i>For High-Modulus Non-Acid Curing, Add</i>	38.27	

**07 95 Expansion Control** (07 90)

**07 95 13 Expansion Joint Cover Assemblies** (07 95)

Note: Includes necessary waterproofing mastics/caulking.

**07 95 13 13 Interior Expansion Joint Cover Assemblies** (07 95 13)

**07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies** (07 95 13 13)

**07 95 13 13-0002 With 1" Space** (07 95 13 13-0001)

07 95 13 13-0003	LF	1" Opening Floor Assembly Type, With Aluminum Expansion Joint Cover.....	53.21	6.10
07 95 13 13-0008	LF	1" Opening Floor Assembly Type, With Bronze Expansion Joint Cover .....	73.33	6.10
07 95 13 13-0005	LF	1" Opening Floor Assembly Type, With Stainless Steel Expansion Joint Cover.....	73.10	6.10

**07 95 13 13-0006 With 2" Space** (07 95 13 13-0001)

07 95 13 13-0007	LF	2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover.....	69.09	6.10
07 95 13 13-0013	LF	2" Opening Floor Assembly Type, Bronze Expansion Joint Cover .....	90.61	6.10
07 95 13 13-0009	LF	2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover.....	98.93	6.10

**07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies** (07 95 13 13)

**07 95 13 13-0011 With 1" Space** (07 95 13 13-0010)

07 95 13 13-0012	LF	1" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover.....	42.63	6.10
07 95 13 13-0013	LF	1" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover .....	61.34	6.10
07 95 13 13-0014	LF	1" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover.....	65.49	6.10

**07 95 13 13-0015 With 2" Space** (07 95 13 13-0010)

07 95 13 13-0016	LF	2" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover.....	52.16	6.10
07 95 13 13-0017	LF	2" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover .....	69.97	6.10
07 95 13 13-0018	LF	2" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover.....	78.40	6.10

**07 95 13 16 Exterior Expansion Joint Cover Assemblies** (07 95 13)

**07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies** (07 95 13 16)

**07 95 13 16-0002 Roof To Roof** (07 95 13 16-0001)

07 95 13 16-0003	LF	1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint .....	68.79	4.06
07 95 13 16-0004	LF	2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint .....	82.15	4.06
07 95 13 16-0005	LF	3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint .....	91.36	4.06

**07 95 13 16-0006 Roof To Wall** (07 95 13 16-0001)

07 95 13 16-0007	LF	1" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint.....	52.59	4.06
07 95 13 16-0008	LF	2" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint.....	68.95	4.06

**07 95 13 16-0009 Flat Wall To Wall** (07 95 13 16-0001)

07 95 13 16-0010	LF	1" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint .....	39.84	4.06
07 95 13 16-0011	LF	2" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint .....	49.66	4.06
07 95 13 16-0012	LF	3" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint .....	61.51	4.06

**07 95 13 16-0013 Corner To Flat Wall** (07 95 13 16-0001)

07 95 13 16-0014	LF	1" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint .....	38.12	4.06
07 95 13 16-0015	LF	2" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint .....	44.66	4.06
07 95 13 16-0016	LF	3" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint .....	63.06	4.06

**END OF SECTION 07**

07

**07 Thermal And Moisture Protection**

07 90 Joint Protection

07 95 Expansion Control



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 08 Openings

### 08 01 Operation and Maintenance of Openings <sup>(08)</sup>

#### 08 01 50 Operation and Maintenance of Windows <sup>(08 01)</sup>

##### 08 01 52 Operation and Maintenance of Wood Windows <sup>(08 01 50)</sup>

##### 08 01 52 61 Wood Window Repairs <sup>(08 01 52)</sup>

08 01 52 61-0001	Window Restoration And Replacement <sup>(08 01 52 61)</sup>		
08 01 52 61-0002	EA Removal And Replacement Of Sash Guides .....	11.91	
08 01 52 61-0003	EA Removal And Replacement Of Window Arms .....	32.92	
08 01 52 61-0004	EA Removal And Replacement Of Window Crank Operator .....	39.66	
08 01 52 61-0005	EA Removal And Replacement Of Brass Window Sash Pull .....	22.78	
08 01 52 61-0006	EA Removal And Replacement Of Brass Window Sash Lock .....	20.86	
08 01 52 61-0007	EA Removal And Replacement Of Window Balance, Removable Sash Window .....	26.96	
	Note: Channel, spiral or coil balance.		
08 01 52 61-0008	EA Removal And Replacement Of Window Balance, Sash Window, Wooden Stops And/Or Casing .....	81.44	
	Note: Channel, spiral or coil balance.		
	<i>For Replacing Two Balances In One Window, Deduct</i>		-30.08

#### 08 01 70 Operation and Maintenance of Hardware <sup>(08 01)</sup>

##### 08 01 71 Operation and Maintenance of Door Hardware <sup>(08 01 70)</sup>

##### 08 01 71 81 Door Hardware Replacement <sup>(08 01 71)</sup>

08 01 71 81-0001	Replacement Keys For Locks <sup>(08 01 71 81)</sup>		
08 01 71 81-0002	EA LL803 Replacement Keys .....	8.40	
08 01 71 81-0003	EA Cat45 Replacement Keys .....	9.07	

#### 08 01 80 Maintenance of Glazing <sup>(08 01)</sup>

##### 08 01 81 Maintenance of Glass Glazing <sup>(08 01 80)</sup>

08 01 81 00-0001	Glazing Compound Repair <sup>(08 01 81)</sup>		
08 01 81 00-0002	LF Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing .....	5.05	

## 08 05 Common Work Results for Openings <sup>(08)</sup>

### 08 05 13 Door Options and Modifications <sup>(08 05)</sup>

Note: Excludes removal and reinstallation of door.

#### 08 05 13 00-0001 Door Vision Panels (Pemko LT-S1) <sup>(08 05 13)</sup>

Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....		135.88
	<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>		67.94
08 05 13 00-0003	EA For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	172.00	
	<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>		86.00
08 05 13 00-0004	EA For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	199.52	
	<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>		99.76
08 05 13 00-0005	EA For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	254.57	
	<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>		127.29
08 05 13 00-0006	EA For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	330.25	
	<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>		165.13
08 05 13 00-0007	EA For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	421.41	
	<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>		210.71
08 05 13 00-0008	EA For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	447.21	
	<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>		223.61
08 05 13 00-0009	EA For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	232.50	
	<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>		61.77
08 05 13 00-0010	EA For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	276.24	
	<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>		78.19
08 05 13 00-0011	EA For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	312.16	
	<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>		90.70

**08 Openings****08 05 Common Work Results for Openings****08 05 13 Door Options and Modifications**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	373.09	
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i> .....	115.71	
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	452.80	
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i> .....	150.12	
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	546.56	
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i> .....	191.55	
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	580.92	
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i> .....	203.28	
<b>08 05 13 00-0016</b>		<b>Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY)</b> <small>(08 05 13)</small>		
		Note: Factory primed or powder coated.		
08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	129.57	
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	147.19	
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	200.06	
08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	373.06	
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	461.34	
08 05 13 00-0022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	551.05	
08 05 13 00-0023	EA	For >10 To 14 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	719.07	
08 05 13 00-0024	EA	For >14 To 18 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	846.45	
		<i>For 18 Gauge Louver And 18 Gauge Frame, Add</i> .....	101.57	
08 05 13 00-0025	EA	For Up To 1 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	211.30	
08 05 13 00-0026	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	237.09	
08 05 13 00-0027	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	298.13	
08 05 13 00-0028	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	479.31	
08 05 13 00-0029	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	575.76	
08 05 13 00-0030	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	673.64	
08 05 13 00-0031	EA	For >10 To 14 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	849.84	
08 05 13 00-0032	EA	For >14 To 18 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	982.67	
		<i>For 18 Gauge Louver And 18 Gauge Frame, Add</i> .....	101.57	
<b>08 05 13 00-0033</b>		<b>Fire Rated Fusible Link Louvers (Pemko LV-FL)</b> <small>(08 05 13)</small>		
		Note: Factory primed or powder coated.		
08 05 13 00-0034	EA	For Up To 1 SF, Factory Installed 16 Gauge Galvanized Adjustable "Z" Blades, 18 Gauge Galvanized Frame Fire Rated Fusible Link Louver In Door, Add.....	262.38	
08 05 13 00-0035	EA	For >1 To 2 SF, Factory Installed 16 Gauge Galvanized Adjustable "Z" Blades, 18 Gauge Galvanized Frame Fire Rated Fusible Link Louver In Door, Add.....	300.25	
08 05 13 00-0036	EA	For >2 To 4 SF, Factory Installed 16 Gauge Galvanized Adjustable "Z" Blades, 18 Gauge Galvanized Frame Fire Rated Fusible Link Louver In Door, Add.....	352.67	
08 05 13 00-0037	EA	For Up To 1 SF, Site Installed 16 Gauge Galvanized Adjustable "Z" Blades, 18 Gauge Galvanized Frame Fire Rated Fusible Link Louver In Door, Add.....	360.45	
08 05 13 00-0038	EA	For >1 To 2 SF, Site Installed 16 Gauge Galvanized Adjustable "Z" Blades, 18 Gauge Galvanized Frame Fire Rated Fusible Link Louver In Door, Add.....	409.22	
08 05 13 00-0039	EA	For >2 To 4 SF, Site Installed 16 Gauge Galvanized Adjustable "Z" Blades, 18 Gauge Galvanized Frame Fire Rated Fusible Link Louver In Door, Add.....	470.36	
<b>08 05 13 00-0040</b>		<b>Door Hardware Preparation</b> <small>(08 05 13)</small>		
08 05 13 00-0041	EA	Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware.....	81.69	
08 05 13 00-0042	EA	Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware.....	201.51	
		Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0043	EA	Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware.....	92.58	
08 05 13 00-0044	EA	Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware.....	163.39	
		Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0045	EA	Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware.....	27.23	
08 05 13 00-0046	EA	Prepare Existing Wood Door (Rated) For Concealed Vertical Rod.....	299.58	
		Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0047	EA	Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod.....	190.61	
08 05 13 00-0048	EA	Prepare Existing Wood Door (Rated) For Electric Hardware.....	201.51	
		Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0049	EA	Prepare Existing Door (Non-Rated) For Electric Hardware.....	92.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 05 13 00-0050</b>	<b>Door Modifications</b> <small>(08 05 13)</small>		
08 05 13 00-0051	EA	Removal And Reinstallation Of Door .....	92.62
08 05 13 00-0052	EA	Removal And Reinstallation Of Metal Door Frame .....	181.62
08 05 13 00-0053	EA	Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile .....	98.07
		Note: Excludes removal and reinstallation of door.	
08 05 13 00-0054	EA	Modify Metal Door Frame For Door Swing.....	1,239.94
		Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.	
08 05 13 00-0055	EA	Factory Installed Sound Proofing (STC 28) In Metal Door.....	198.17
08 05 13 00-0056	SF	For 16 Gauge Steel Metal Plate Bolted On Door.....	34.61
		Note: Includes mounting hardware.	
08 05 13 00-0057	EA	Removal And Reinstallation Of Wood Door Frame.....	109.75
08 05 13 00-0058	EA	Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile .....	49.39
		Note: Excludes removal and reinstallation of door.	
08 05 13 00-0059	EA	Factory Trim Wood Door Edge For Custom Width .....	71.34

**08 10 Doors and Frames** (08)

**08 11 Metal Doors and Frames** (08 11)

**08 11 63 Metal Screen and Storm Doors and Frames** (08 11)

**08 11 63 13 Steel Screen and Storm Doors and Frames** (08 11 63)

<b>08 11 63 13-0001</b>	<b>Steel Screen Door</b> <small>(08 11 63 13)</small>		
		Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).	
08 11 63 13-0002	EA	2'-8" x 7', Residential, Steel Screen Door With Frame, Trim, Hardware .....	1,249.45
08 11 63 13-0003	EA	3' x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware .....	1,260.39
08 11 63 13-0004	EA	Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware .....	1,196.85

**08 11 63 23 Aluminum Screen and Storm Doors and Frames** (08 11 63)

<b>08 11 63 23-0001</b>	<b>Aluminum Combination Type With Tempered Glass At Top And Bottom</b> <small>(08 11 63 23)</small>		
		Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).	
08 11 63 23-0002	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware .....	736.32
		<i>For Special Finished, Add</i>	62.20
08 11 63 23-0003	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware .....	771.28
08 11 63 23-0004	EA	Aluminum Screen Door.....	293.86
08 11 63 23-0005	SF	Repair Screen Door .....	8.96

**08 11 73 Sliding Metal Fire Doors** (08 11)

<b>08 11 73 00-0001</b>	<b>Motor Operated Fire Door</b> <small>(08 11 73)</small>		
		Note: With fusible link, 3 hour rating. Excludes electrical hook-up of motor.	
08 11 73 00-0002	EA	3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating .....	5,110.75
08 11 73 00-0003	EA	3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating .....	5,592.31
08 11 73 00-0004	EA	4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating .....	6,410.98
08 11 73 00-0005	EA	5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating .....	7,287.48

**08 12 Metal Frames** (08 12)

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

**08 12 13 Hollow Metal Frames** (08 12)

**08 12 13 13 Standard Hollow Metal Frames** (08 12 13)

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

<b>08 12 13 13-0001</b>	<b>4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13)</small>		
		Note: For non-rated or fire rated frame assemblies	
<b>08 12 13 13-0002</b>	<b>6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13-0001)</small>		
08 12 13 13-0003	EA	2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	322.15
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	23.80
		<i>For Welded Frames, Add</i>	92.51
		<i>For Galvanized Frames, Add</i>	19.04
		<i>For Type 304 Stainless Steel Frame, Add</i>	293.82
		<i>For Type 316 Stainless Steel Frame, Add</i>	341.42
		<i>For Baked Enamel Finish, Add</i>	72.13
		<i>For 18 Gauge Frame, Deduct</i>	-15.87
		<i>For 14 Gauge Frame, Add</i>	39.67
		<i>For 12 Gauge Frame, Add</i>	60.30

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0004	EA		2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	368.73	89.90
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.34	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	22.67	
			<i>For Type 304 Stainless Steel Frame, Add</i>	349.05	
			<i>For Type 316 Stainless Steel Frame, Add</i>	405.72	
			<i>For Baked Enamel Finish, Add</i>	83.65	
			<i>For 18 Gauge Frame, Deduct</i>	-18.89	
			<i>For 14 Gauge Frame, Add</i>	47.23	
			<i>For 12 Gauge Frame, Add</i>	71.79	
08 12 13 13-0005	EA		2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	382.66	95.35
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.79	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	23.03	
			<i>For Type 304 Stainless Steel Frame, Add</i>	355.05	
			<i>For Type 316 Stainless Steel Frame, Add</i>	412.63	
			<i>For Baked Enamel Finish, Add</i>	86.19	
			<i>For 18 Gauge Frame, Deduct</i>	-19.20	
			<i>For 14 Gauge Frame, Add</i>	47.99	
			<i>For 12 Gauge Frame, Add</i>	72.94	
08 12 13 13-0006	EA		2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	399.00	103.52
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.79	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	23.03	
			<i>For Type 304 Stainless Steel Frame, Add</i>	355.86	
			<i>For Type 316 Stainless Steel Frame, Add</i>	413.45	
			<i>For Baked Enamel Finish, Add</i>	88.64	
			<i>For 18 Gauge Frame, Deduct</i>	-19.20	
			<i>For 14 Gauge Frame, Add</i>	47.99	
			<i>For 12 Gauge Frame, Add</i>	72.94	
08 12 13 13-0007	EA		2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	407.47	106.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	29.25	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	23.40	
			<i>For Type 304 Stainless Steel Frame, Add</i>	361.57	
			<i>For Type 316 Stainless Steel Frame, Add</i>	420.06	
			<i>For Baked Enamel Finish, Add</i>	90.37	
			<i>For 18 Gauge Frame, Deduct</i>	-19.50	
			<i>For 14 Gauge Frame, Add</i>	48.74	
			<i>For 12 Gauge Frame, Add</i>	74.09	
08 12 13 13-0008	EA		3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	415.94	108.97
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	29.70	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	23.76	
			<i>For Type 304 Stainless Steel Frame, Add</i>	367.28	
			<i>For Type 316 Stainless Steel Frame, Add</i>	426.68	
			<i>For Baked Enamel Finish, Add</i>	92.09	
			<i>For 18 Gauge Frame, Deduct</i>	-19.80	
			<i>For 14 Gauge Frame, Add</i>	49.50	
			<i>For 12 Gauge Frame, Add</i>	75.24	
08 12 13 13-0009	EA		3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	440.43	114.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.74	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.39	
			<i>For Type 304 Stainless Steel Frame, Add</i>	392.30	
			<i>For Type 316 Stainless Steel Frame, Add</i>	455.78	
			<i>For Baked Enamel Finish, Add</i>	97.80	
			<i>For 18 Gauge Frame, Deduct</i>	-21.16	
			<i>For 14 Gauge Frame, Add</i>	52.90	
			<i>For 12 Gauge Frame, Add</i>	80.40	
08 12 13 13-0010	EA		3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	451.33	119.87
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.74	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.39	
			<i>For Type 304 Stainless Steel Frame, Add</i>	392.85	
			<i>For Type 316 Stainless Steel Frame, Add</i>	456.33	
			<i>For Baked Enamel Finish, Add</i>	99.44	
			<i>For 18 Gauge Frame, Deduct</i>	-21.16	
			<i>For 14 Gauge Frame, Add</i>	52.90	
			<i>For 12 Gauge Frame, Add</i>	80.40	
08 12 13 13-0011	EA		4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	469.79	125.32
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	32.87	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	26.30	
			<i>For Type 304 Stainless Steel Frame, Add</i>	407.00	
			<i>For Type 316 Stainless Steel Frame, Add</i>	472.75	
			<i>For Baked Enamel Finish, Add</i>	103.34	
			<i>For 18 Gauge Frame, Deduct</i>	-21.92	
			<i>For 14 Gauge Frame, Add</i>	54.79	
			<i>For 12 Gauge Frame, Add</i>	83.28	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0012 EA 5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	488.25	130.77
For Auxiliary Frame Reinforcement For Hinges, Add	34.01	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	27.21	
For Type 304 Stainless Steel Frame, Add	421.16	
For Type 316 Stainless Steel Frame, Add	489.17	
For Baked Enamel Finish, Add	107.24	
For 18 Gauge Frame, Deduct	-22.67	
For 14 Gauge Frame, Add	56.68	
For 12 Gauge Frame, Add	86.15	
08 12 13 13-0013 EA 5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	499.14	136.22
For Auxiliary Frame Reinforcement For Hinges, Add	34.01	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	27.21	
For Type 304 Stainless Steel Frame, Add	421.70	
For Type 316 Stainless Steel Frame, Add	489.71	
For Baked Enamel Finish, Add	108.88	
For 18 Gauge Frame, Deduct	-22.67	
For 14 Gauge Frame, Add	56.68	
For 12 Gauge Frame, Add	86.15	
08 12 13 13-0014 EA 5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	508.37	138.94
For Auxiliary Frame Reinforcement For Hinges, Add	34.57	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	27.66	
For Type 304 Stainless Steel Frame, Add	428.78	
For Type 316 Stainless Steel Frame, Add	497.92	
For Baked Enamel Finish, Add	110.83	
For 18 Gauge Frame, Deduct	-23.05	
For 14 Gauge Frame, Add	57.62	
For 12 Gauge Frame, Add	87.59	
08 12 13 13-0015 EA 6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	517.59	141.67
For Auxiliary Frame Reinforcement For Hinges, Add	35.14	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	28.11	
For Type 304 Stainless Steel Frame, Add	435.83	
For Type 316 Stainless Steel Frame, Add	506.11	
For Baked Enamel Finish, Add	112.78	
For 18 Gauge Frame, Deduct	-23.43	
For 14 Gauge Frame, Add	58.57	
For 12 Gauge Frame, Add	89.02	
08 12 13 13-0016 EA 7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	538.16	144.39
For Auxiliary Frame Reinforcement For Hinges, Add	37.41	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	29.93	
For Type 304 Stainless Steel Frame, Add	463.32	
For Type 316 Stainless Steel Frame, Add	538.14	
For Baked Enamel Finish, Add	118.13	
For 18 Gauge Frame, Deduct	-24.94	
For 14 Gauge Frame, Add	62.35	
For 12 Gauge Frame, Add	94.76	
08 12 13 13-0017 EA 8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	558.72	147.12
For Auxiliary Frame Reinforcement For Hinges, Add	39.67	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	31.74	
For Type 304 Stainless Steel Frame, Add	490.79	
For Type 316 Stainless Steel Frame, Add	570.14	
For Baked Enamel Finish, Add	123.48	
For 18 Gauge Frame, Deduct	-26.45	
For 14 Gauge Frame, Add	66.12	
For 12 Gauge Frame, Add	100.51	
<b>08 12 13 13-0018 &gt;7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b>		
<small>(08 12 13 13-0001)</small>		
08 12 13 13-0019 EA 2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	339.79	81.73
For Auxiliary Frame Reinforcement For Hinges, Add	26.45	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	21.16	
For Type 304 Stainless Steel Frame, Add	325.57	
For Type 316 Stainless Steel Frame, Add	378.47	
For Baked Enamel Finish, Add	77.42	
For 18 Gauge Frame, Deduct	-17.63	
For 14 Gauge Frame, Add	44.08	
For 12 Gauge Frame, Add	67.01	
08 12 13 13-0020 EA 2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	389.72	89.90
For Auxiliary Frame Reinforcement For Hinges, Add	31.49	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	25.19	
For Type 304 Stainless Steel Frame, Add	386.83	
For Type 316 Stainless Steel Frame, Add	449.80	
For Baked Enamel Finish, Add	89.94	
For 18 Gauge Frame, Deduct	-20.99	
For 14 Gauge Frame, Add	52.48	
For 12 Gauge Frame, Add	79.77	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0021	EA		2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	403.98	95.35
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.99	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	393.42	
			<i>For Type 316 Stainless Steel Frame, Add</i>	457.40	
			<i>For Baked Enamel Finish, Add</i>	92.59	
			<i>For 18 Gauge Frame, Deduct</i>	-21.33	
			<i>For 14 Gauge Frame, Add</i>	53.32	
			<i>For 12 Gauge Frame, Add</i>	81.04	
08 12 13 13-0022	EA		2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	420.32	103.52
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.99	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	394.24	
			<i>For Type 316 Stainless Steel Frame, Add</i>	458.22	
			<i>For Baked Enamel Finish, Add</i>	95.04	
			<i>For 18 Gauge Frame, Deduct</i>	-21.33	
			<i>For 14 Gauge Frame, Add</i>	53.32	
			<i>For 12 Gauge Frame, Add</i>	81.04	
08 12 13 13-0023	EA		2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	429.13	106.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	32.49	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	26.00	
			<i>For Type 304 Stainless Steel Frame, Add</i>	400.56	
			<i>For Type 316 Stainless Steel Frame, Add</i>	465.55	
			<i>For Baked Enamel Finish, Add</i>	96.86	
			<i>For 18 Gauge Frame, Deduct</i>	-21.66	
			<i>For 14 Gauge Frame, Add</i>	54.16	
			<i>For 12 Gauge Frame, Add</i>	82.32	
08 12 13 13-0024	EA		3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	437.94	108.97
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.00	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	26.40	
			<i>For Type 304 Stainless Steel Frame, Add</i>	406.88	
			<i>For Type 316 Stainless Steel Frame, Add</i>	472.88	
			<i>For Baked Enamel Finish, Add</i>	98.69	
			<i>For 18 Gauge Frame, Deduct</i>	-22.00	
			<i>For 14 Gauge Frame, Add</i>	55.00	
			<i>For 12 Gauge Frame, Add</i>	83.60	
08 12 13 13-0025	EA		3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	463.94	114.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.27	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.21	
			<i>For Type 304 Stainless Steel Frame, Add</i>	434.62	
			<i>For Type 316 Stainless Steel Frame, Add</i>	505.15	
			<i>For Baked Enamel Finish, Add</i>	104.86	
			<i>For 18 Gauge Frame, Deduct</i>	-23.51	
			<i>For 14 Gauge Frame, Add</i>	58.78	
			<i>For 12 Gauge Frame, Add</i>	89.34	
08 12 13 13-0026	EA		3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	474.84	119.87
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.27	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.21	
			<i>For Type 304 Stainless Steel Frame, Add</i>	435.17	
			<i>For Type 316 Stainless Steel Frame, Add</i>	505.70	
			<i>For Baked Enamel Finish, Add</i>	106.49	
			<i>For 18 Gauge Frame, Deduct</i>	-23.51	
			<i>For 14 Gauge Frame, Add</i>	58.78	
			<i>For 12 Gauge Frame, Add</i>	89.34	
08 12 13 13-0027	EA		4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	494.14	125.32
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.53	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	29.22	
			<i>For Type 304 Stainless Steel Frame, Add</i>	450.83	
			<i>For Type 316 Stainless Steel Frame, Add</i>	523.88	
			<i>For Baked Enamel Finish, Add</i>	110.65	
			<i>For 18 Gauge Frame, Deduct</i>	-24.35	
			<i>For 14 Gauge Frame, Add</i>	60.88	
			<i>For 12 Gauge Frame, Add</i>	92.53	
08 12 13 13-0028	EA		5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	513.44	130.77
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.79	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	30.23	
			<i>For Type 304 Stainless Steel Frame, Add</i>	466.50	
			<i>For Type 316 Stainless Steel Frame, Add</i>	542.07	
			<i>For Baked Enamel Finish, Add</i>	114.80	
			<i>For 18 Gauge Frame, Deduct</i>	-25.19	
			<i>For 14 Gauge Frame, Add</i>	62.98	
			<i>For 12 Gauge Frame, Add</i>	95.72	





<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0029 EA 5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	524.33	136.22
For Auxiliary Frame Reinforcement For Hinges, Add	37.79	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	30.23	
For Type 304 Stainless Steel Frame, Add	467.04	
For Type 316 Stainless Steel Frame, Add	542.61	
For Baked Enamel Finish, Add	116.43	
For 18 Gauge Frame, Deduct	-25.19	
For 14 Gauge Frame, Add	62.98	
For 12 Gauge Frame, Add	95.72	
08 12 13 13-0030 EA 5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	533.97	138.94
For Auxiliary Frame Reinforcement For Hinges, Add	38.41	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	30.73	
For Type 304 Stainless Steel Frame, Add	474.86	
For Type 316 Stainless Steel Frame, Add	551.68	
For Baked Enamel Finish, Add	118.51	
For 18 Gauge Frame, Deduct	-25.61	
For 14 Gauge Frame, Add	64.02	
For 12 Gauge Frame, Add	97.31	
08 12 13 13-0031 EA 6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	543.62	141.67
For Auxiliary Frame Reinforcement For Hinges, Add	39.04	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	31.23	
For Type 304 Stainless Steel Frame, Add	482.69	
For Type 316 Stainless Steel Frame, Add	560.78	
For Baked Enamel Finish, Add	120.59	
For 18 Gauge Frame, Deduct	-26.03	
For 14 Gauge Frame, Add	65.07	
For 12 Gauge Frame, Add	98.91	
08 12 13 13-0032 EA 7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	565.87	144.39
For Auxiliary Frame Reinforcement For Hinges, Add	41.56	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	33.25	
For Type 304 Stainless Steel Frame, Add	513.20	
For Type 316 Stainless Steel Frame, Add	596.33	
For Baked Enamel Finish, Add	126.44	
For 18 Gauge Frame, Deduct	-27.71	
For 14 Gauge Frame, Add	69.27	
For 12 Gauge Frame, Add	105.29	
08 12 13 13-0033 EA 8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	588.11	147.12
For Auxiliary Frame Reinforcement For Hinges, Add	44.08	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	35.27	
For Type 304 Stainless Steel Frame, Add	543.70	
For Type 316 Stainless Steel Frame, Add	631.86	
For Baked Enamel Finish, Add	132.30	
For 18 Gauge Frame, Deduct	-29.39	
For 14 Gauge Frame, Add	73.47	
For 12 Gauge Frame, Add	111.67	
08 12 13 13-0034 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13)</small>		
Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0035 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0034)</small>		
08 12 13 13-0036 EA 2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	339.79	81.73
For Auxiliary Frame Reinforcement For Hinges, Add	26.45	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	21.16	
For Type 304 Stainless Steel Frame, Add	325.57	
For Type 316 Stainless Steel Frame, Add	378.47	
For Baked Enamel Finish, Add	77.42	
For 18 Gauge Frame, Deduct	-17.63	
For 14 Gauge Frame, Add	44.08	
For 12 Gauge Frame, Add	67.01	
08 12 13 13-0037 EA 2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	389.72	89.90
For Auxiliary Frame Reinforcement For Hinges, Add	31.49	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	25.19	
For Type 304 Stainless Steel Frame, Add	386.83	
For Type 316 Stainless Steel Frame, Add	449.80	
For Baked Enamel Finish, Add	89.94	
For 18 Gauge Frame, Deduct	-20.99	
For 14 Gauge Frame, Add	52.48	
For 12 Gauge Frame, Add	79.77	
08 12 13 13-0038 EA 2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	403.98	95.35
For Auxiliary Frame Reinforcement For Hinges, Add	31.99	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	25.59	
For Type 304 Stainless Steel Frame, Add	393.42	
For Type 316 Stainless Steel Frame, Add	457.40	
For Baked Enamel Finish, Add	92.59	
For 18 Gauge Frame, Deduct	-21.33	
For 14 Gauge Frame, Add	53.32	
For 12 Gauge Frame, Add	81.04	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0039	EA		2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	420.32	103.52
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.99	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	394.24	
			<i>For Type 316 Stainless Steel Frame, Add</i>	458.22	
			<i>For Baked Enamel Finish, Add</i>	95.04	
			<i>For 18 Gauge Frame, Deduct</i>	-21.33	
			<i>For 14 Gauge Frame, Add</i>	53.32	
			<i>For 12 Gauge Frame, Add</i>	81.04	
08 12 13 13-0040	EA		2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	429.13	106.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	32.49	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	26.00	
			<i>For Type 304 Stainless Steel Frame, Add</i>	400.56	
			<i>For Type 316 Stainless Steel Frame, Add</i>	465.55	
			<i>For Baked Enamel Finish, Add</i>	96.86	
			<i>For 18 Gauge Frame, Deduct</i>	-21.66	
			<i>For 14 Gauge Frame, Add</i>	54.16	
			<i>For 12 Gauge Frame, Add</i>	82.32	
08 12 13 13-0041	EA		3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	437.94	108.97
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.00	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	26.40	
			<i>For Type 304 Stainless Steel Frame, Add</i>	406.88	
			<i>For Type 316 Stainless Steel Frame, Add</i>	472.88	
			<i>For Baked Enamel Finish, Add</i>	98.69	
			<i>For 18 Gauge Frame, Deduct</i>	-22.00	
			<i>For 14 Gauge Frame, Add</i>	55.00	
			<i>For 12 Gauge Frame, Add</i>	83.60	
08 12 13 13-0042	EA		3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	463.94	114.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.27	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.21	
			<i>For Type 304 Stainless Steel Frame, Add</i>	434.62	
			<i>For Type 316 Stainless Steel Frame, Add</i>	505.15	
			<i>For Baked Enamel Finish, Add</i>	104.86	
			<i>For 18 Gauge Frame, Deduct</i>	-23.51	
			<i>For 14 Gauge Frame, Add</i>	58.78	
			<i>For 12 Gauge Frame, Add</i>	89.34	
08 12 13 13-0043	EA		3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	474.84	119.87
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.27	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.21	
			<i>For Type 304 Stainless Steel Frame, Add</i>	435.17	
			<i>For Type 316 Stainless Steel Frame, Add</i>	505.70	
			<i>For Baked Enamel Finish, Add</i>	106.49	
			<i>For 18 Gauge Frame, Deduct</i>	-23.51	
			<i>For 14 Gauge Frame, Add</i>	58.78	
			<i>For 12 Gauge Frame, Add</i>	89.34	
08 12 13 13-0044	EA		4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	494.14	125.32
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.53	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	29.22	
			<i>For Type 304 Stainless Steel Frame, Add</i>	450.83	
			<i>For Type 316 Stainless Steel Frame, Add</i>	523.88	
			<i>For Baked Enamel Finish, Add</i>	110.65	
			<i>For 18 Gauge Frame, Deduct</i>	-24.35	
			<i>For 14 Gauge Frame, Add</i>	60.88	
			<i>For 12 Gauge Frame, Add</i>	92.53	
08 12 13 13-0045	EA		5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	513.44	130.77
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.79	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	30.23	
			<i>For Type 304 Stainless Steel Frame, Add</i>	466.50	
			<i>For Type 316 Stainless Steel Frame, Add</i>	542.07	
			<i>For Baked Enamel Finish, Add</i>	114.80	
			<i>For 18 Gauge Frame, Deduct</i>	-25.19	
			<i>For 14 Gauge Frame, Add</i>	62.98	
			<i>For 12 Gauge Frame, Add</i>	95.72	
08 12 13 13-0046	EA		5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	524.33	136.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.79	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	30.23	
			<i>For Type 304 Stainless Steel Frame, Add</i>	467.04	
			<i>For Type 316 Stainless Steel Frame, Add</i>	542.61	
			<i>For Baked Enamel Finish, Add</i>	116.43	
			<i>For 18 Gauge Frame, Deduct</i>	-25.19	
			<i>For 14 Gauge Frame, Add</i>	62.98	
			<i>For 12 Gauge Frame, Add</i>	95.72	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0047 EA 5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	533.97	138.94
For Auxiliary Frame Reinforcement For Hinges, Add	38.41	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	30.73	
For Type 304 Stainless Steel Frame, Add	474.86	
For Type 316 Stainless Steel Frame, Add	551.68	
For Baked Enamel Finish, Add	118.51	
For 18 Gauge Frame, Deduct	-25.61	
For 14 Gauge Frame, Add	64.02	
For 12 Gauge Frame, Add	97.31	
08 12 13 13-0048 EA 6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	543.62	141.67
For Auxiliary Frame Reinforcement For Hinges, Add	39.04	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	31.23	
For Type 304 Stainless Steel Frame, Add	482.69	
For Type 316 Stainless Steel Frame, Add	560.78	
For Baked Enamel Finish, Add	120.59	
For 18 Gauge Frame, Deduct	-26.03	
For 14 Gauge Frame, Add	65.07	
For 12 Gauge Frame, Add	98.91	
08 12 13 13-0049 EA 7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	565.87	144.39
For Auxiliary Frame Reinforcement For Hinges, Add	41.56	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	33.25	
For Type 304 Stainless Steel Frame, Add	513.20	
For Type 316 Stainless Steel Frame, Add	596.33	
For Baked Enamel Finish, Add	126.44	
For 18 Gauge Frame, Deduct	-27.71	
For 14 Gauge Frame, Add	69.27	
For 12 Gauge Frame, Add	105.29	
08 12 13 13-0050 EA 8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	588.11	147.12
For Auxiliary Frame Reinforcement For Hinges, Add	44.08	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	35.27	
For Type 304 Stainless Steel Frame, Add	543.70	
For Type 316 Stainless Steel Frame, Add	631.86	
For Baked Enamel Finish, Add	132.30	
For 18 Gauge Frame, Deduct	-29.39	
For 14 Gauge Frame, Add	73.47	
For 12 Gauge Frame, Add	111.67	
<b>08 12 13 13-0051 &gt;7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13-0034)</small>		
08 12 13 13-0052 EA 2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	359.38	81.73
For Auxiliary Frame Reinforcement For Hinges, Add	29.39	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	23.51	
For Type 304 Stainless Steel Frame, Add	360.83	
For Type 316 Stainless Steel Frame, Add	419.61	
For Baked Enamel Finish, Add	83.30	
For 18 Gauge Frame, Deduct	-19.59	
For 14 Gauge Frame, Add	48.98	
For 12 Gauge Frame, Add	74.45	
08 12 13 13-0053 EA 2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	413.05	89.90
For Auxiliary Frame Reinforcement For Hinges, Add	34.99	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	27.99	
For Type 304 Stainless Steel Frame, Add	428.82	
For Type 316 Stainless Steel Frame, Add	498.79	
For Baked Enamel Finish, Add	96.94	
For 18 Gauge Frame, Deduct	-23.32	
For 14 Gauge Frame, Add	58.31	
For 12 Gauge Frame, Add	88.63	
08 12 13 13-0054 EA 2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	427.68	95.35
For Auxiliary Frame Reinforcement For Hinges, Add	35.55	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	28.44	
For Type 304 Stainless Steel Frame, Add	436.08	
For Type 316 Stainless Steel Frame, Add	507.17	
For Baked Enamel Finish, Add	99.70	
For 18 Gauge Frame, Deduct	-23.70	
For 14 Gauge Frame, Add	59.24	
For 12 Gauge Frame, Add	90.05	
08 12 13 13-0055 EA 2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	444.02	103.52
For Auxiliary Frame Reinforcement For Hinges, Add	35.55	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	28.44	
For Type 304 Stainless Steel Frame, Add	436.90	
For Type 316 Stainless Steel Frame, Add	507.99	
For Baked Enamel Finish, Add	102.15	
For 18 Gauge Frame, Deduct	-23.70	
For 14 Gauge Frame, Add	59.24	
For 12 Gauge Frame, Add	90.05	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0056	EA		2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	453.20	106.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.11	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.88	
			<i>For Type 304 Stainless Steel Frame, Add</i>	443.89	
			<i>For Type 316 Stainless Steel Frame, Add</i>	516.10	
			<i>For Baked Enamel Finish, Add</i>	104.09	
			<i>For 18 Gauge Frame, Deduct</i>	-24.07	
			<i>For 14 Gauge Frame, Add</i>	60.18	
			<i>For 12 Gauge Frame, Add</i>	91.47	
08 12 13 13-0057	EA		3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	462.38	108.97
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.66	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	29.33	
			<i>For Type 304 Stainless Steel Frame, Add</i>	450.87	
			<i>For Type 316 Stainless Steel Frame, Add</i>	524.20	
			<i>For Baked Enamel Finish, Add</i>	106.02	
			<i>For 18 Gauge Frame, Deduct</i>	-24.44	
			<i>For 14 Gauge Frame, Add</i>	61.11	
			<i>For 12 Gauge Frame, Add</i>	92.88	
08 12 13 13-0058	EA		3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	490.07	114.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.18	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	31.35	
			<i>For Type 304 Stainless Steel Frame, Add</i>	481.66	
			<i>For Type 316 Stainless Steel Frame, Add</i>	560.03	
			<i>For Baked Enamel Finish, Add</i>	112.70	
			<i>For 18 Gauge Frame, Deduct</i>	-26.12	
			<i>For 14 Gauge Frame, Add</i>	65.31	
			<i>For 12 Gauge Frame, Add</i>	99.27	
08 12 13 13-0059	EA		3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	500.97	119.87
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.18	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	31.35	
			<i>For Type 304 Stainless Steel Frame, Add</i>	482.20	
			<i>For Type 316 Stainless Steel Frame, Add</i>	560.57	
			<i>For Baked Enamel Finish, Add</i>	114.33	
			<i>For 18 Gauge Frame, Deduct</i>	-26.12	
			<i>For 14 Gauge Frame, Add</i>	65.31	
			<i>For 12 Gauge Frame, Add</i>	99.27	
08 12 13 13-0060	EA		4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	521.20	125.32
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.58	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	32.47	
			<i>For Type 304 Stainless Steel Frame, Add</i>	499.54	
			<i>For Type 316 Stainless Steel Frame, Add</i>	580.71	
			<i>For Baked Enamel Finish, Add</i>	118.76	
			<i>For 18 Gauge Frame, Deduct</i>	-27.06	
			<i>For 14 Gauge Frame, Add</i>	67.64	
			<i>For 12 Gauge Frame, Add</i>	102.81	
08 12 13 13-0061	EA		5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	541.42	130.77
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.98	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	33.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	516.86	
			<i>For Type 316 Stainless Steel Frame, Add</i>	600.83	
			<i>For Baked Enamel Finish, Add</i>	123.20	
			<i>For 18 Gauge Frame, Deduct</i>	-27.99	
			<i>For 14 Gauge Frame, Add</i>	69.97	
			<i>For 12 Gauge Frame, Add</i>	106.35	
08 12 13 13-0062	EA		5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	552.31	136.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.98	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	33.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	517.41	
			<i>For Type 316 Stainless Steel Frame, Add</i>	601.37	
			<i>For Baked Enamel Finish, Add</i>	124.83	
			<i>For 18 Gauge Frame, Deduct</i>	-27.99	
			<i>For 14 Gauge Frame, Add</i>	69.97	
			<i>For 12 Gauge Frame, Add</i>	106.35	
08 12 13 13-0063	EA		5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	562.43	138.94
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	42.68	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	34.15	
			<i>For Type 304 Stainless Steel Frame, Add</i>	526.08	
			<i>For Type 316 Stainless Steel Frame, Add</i>	611.45	
			<i>For Baked Enamel Finish, Add</i>	127.05	
			<i>For 18 Gauge Frame, Deduct</i>	-28.46	
			<i>For 14 Gauge Frame, Add</i>	71.14	
			<i>For 12 Gauge Frame, Add</i>	108.13	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0064 EA 6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	572.54	141.67
For Auxiliary Frame Reinforcement For Hinges, Add	43.38	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	34.71	
For Type 304 Stainless Steel Frame, Add	534.74	
For Type 316 Stainless Steel Frame, Add	621.51	
For Baked Enamel Finish, Add	129.26	
For 18 Gauge Frame, Deduct	-28.92	
For 14 Gauge Frame, Add	72.30	
For 12 Gauge Frame, Add	109.90	
08 12 13 13-0065 EA 7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	596.65	144.39
For Auxiliary Frame Reinforcement For Hinges, Add	46.18	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	36.94	
For Type 304 Stainless Steel Frame, Add	568.61	
For Type 316 Stainless Steel Frame, Add	660.97	
For Baked Enamel Finish, Add	135.68	
For 18 Gauge Frame, Deduct	-30.79	
For 14 Gauge Frame, Add	76.97	
For 12 Gauge Frame, Add	116.99	
08 12 13 13-0066 EA 8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	620.76	147.12
For Auxiliary Frame Reinforcement For Hinges, Add	48.98	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	39.18	
For Type 304 Stainless Steel Frame, Add	602.47	
For Type 316 Stainless Steel Frame, Add	700.42	
For Baked Enamel Finish, Add	142.09	
For 18 Gauge Frame, Deduct	-32.65	
For 14 Gauge Frame, Add	81.63	
For 12 Gauge Frame, Add	124.08	
<b>08 12 13 13-0067 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13)</small>		
Note: For non-rated or fire rated frame assemblies		
<b>08 12 13 13-0068 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13-0067)</small>		
08 12 13 13-0069 EA 2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	442.61	81.73
For Auxiliary Frame Reinforcement For Hinges, Add	41.87	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	33.50	
For Type 304 Stainless Steel Frame, Add	510.64	
For Type 316 Stainless Steel Frame, Add	594.39	
For Baked Enamel Finish, Add	108.26	
For 18 Gauge Frame, Deduct	-27.92	
For 14 Gauge Frame, Add	69.79	
For 12 Gauge Frame, Add	106.08	
08 12 13 13-0070 EA 2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	512.13	89.90
For Auxiliary Frame Reinforcement For Hinges, Add	49.85	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	39.88	
For Type 304 Stainless Steel Frame, Add	607.17	
For Type 316 Stainless Steel Frame, Add	706.86	
For Baked Enamel Finish, Add	126.67	
For 18 Gauge Frame, Deduct	-33.23	
For 14 Gauge Frame, Add	83.08	
For 12 Gauge Frame, Add	126.28	
08 12 13 13-0071 EA 2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	528.34	95.35
For Auxiliary Frame Reinforcement For Hinges, Add	50.64	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	40.52	
For Type 304 Stainless Steel Frame, Add	617.27	
For Type 316 Stainless Steel Frame, Add	718.56	
For Baked Enamel Finish, Add	129.90	
For 18 Gauge Frame, Deduct	-33.76	
For 14 Gauge Frame, Add	84.41	
For 12 Gauge Frame, Add	128.30	
08 12 13 13-0072 EA 2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	544.68	103.52
For Auxiliary Frame Reinforcement For Hinges, Add	50.64	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	40.52	
For Type 304 Stainless Steel Frame, Add	618.09	
For Type 316 Stainless Steel Frame, Add	719.38	
For Baked Enamel Finish, Add	132.35	
For 18 Gauge Frame, Deduct	-33.76	
For 14 Gauge Frame, Add	84.41	
For 12 Gauge Frame, Add	128.30	
08 12 13 13-0073 EA 2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	555.45	106.25
For Auxiliary Frame Reinforcement For Hinges, Add	51.44	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	41.15	
For Type 304 Stainless Steel Frame, Add	627.94	
For Type 316 Stainless Steel Frame, Add	730.82	
For Baked Enamel Finish, Add	134.76	
For 18 Gauge Frame, Deduct	-34.30	
For 14 Gauge Frame, Add	85.74	
For 12 Gauge Frame, Add	130.32	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0074	EA		3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	566.22	108.97
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	52.24	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	41.79	
			<i>For Type 304 Stainless Steel Frame, Add</i>	637.78	
			<i>For Type 316 Stainless Steel Frame, Add</i>	742.26	
			<i>For Baked Enamel Finish, Add</i>	137.17	
			<i>For 18 Gauge Frame, Deduct</i>	-34.83	
			<i>For 14 Gauge Frame, Add</i>	87.07	
			<i>For 12 Gauge Frame, Add</i>	132.34	
08 12 13 13-0075	EA		3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	601.03	114.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	55.83	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	44.66	
			<i>For Type 304 Stainless Steel Frame, Add</i>	681.38	
			<i>For Type 316 Stainless Steel Frame, Add</i>	793.04	
			<i>For Baked Enamel Finish, Add</i>	145.98	
			<i>For 18 Gauge Frame, Deduct</i>	-37.22	
			<i>For 14 Gauge Frame, Add</i>	93.05	
			<i>For 12 Gauge Frame, Add</i>	141.43	
08 12 13 13-0076	EA		3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	611.93	119.87
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	55.83	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	44.66	
			<i>For Type 304 Stainless Steel Frame, Add</i>	681.93	
			<i>For Type 316 Stainless Steel Frame, Add</i>	793.59	
			<i>For Baked Enamel Finish, Add</i>	147.62	
			<i>For 18 Gauge Frame, Deduct</i>	-37.22	
			<i>For 14 Gauge Frame, Add</i>	93.05	
			<i>For 12 Gauge Frame, Add</i>	141.43	
08 12 13 13-0077	EA		4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	636.13	125.32
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	57.82	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	46.26	
			<i>For Type 304 Stainless Steel Frame, Add</i>	706.41	
			<i>For Type 316 Stainless Steel Frame, Add</i>	822.06	
			<i>For Baked Enamel Finish, Add</i>	153.24	
			<i>For 18 Gauge Frame, Deduct</i>	-38.55	
			<i>For 14 Gauge Frame, Add</i>	96.37	
			<i>For 12 Gauge Frame, Add</i>	146.49	
08 12 13 13-0078	EA		5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	660.32	130.77
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	59.82	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	47.85	
			<i>For Type 304 Stainless Steel Frame, Add</i>	730.88	
			<i>For Type 316 Stainless Steel Frame, Add</i>	850.52	
			<i>For Baked Enamel Finish, Add</i>	158.87	
			<i>For 18 Gauge Frame, Deduct</i>	-39.88	
			<i>For 14 Gauge Frame, Add</i>	99.70	
			<i>For 12 Gauge Frame, Add</i>	151.54	
08 12 13 13-0079	EA		5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	671.21	136.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	59.82	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	47.85	
			<i>For Type 304 Stainless Steel Frame, Add</i>	731.43	
			<i>For Type 316 Stainless Steel Frame, Add</i>	851.06	
			<i>For Baked Enamel Finish, Add</i>	160.50	
			<i>For 18 Gauge Frame, Deduct</i>	-39.88	
			<i>For 14 Gauge Frame, Add</i>	99.70	
			<i>For 12 Gauge Frame, Add</i>	151.54	
08 12 13 13-0080	EA		5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	683.31	138.94
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	60.81	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	48.65	
			<i>For Type 304 Stainless Steel Frame, Add</i>	743.67	
			<i>For Type 316 Stainless Steel Frame, Add</i>	865.30	
			<i>For Baked Enamel Finish, Add</i>	163.31	
			<i>For 18 Gauge Frame, Deduct</i>	-40.54	
			<i>For 14 Gauge Frame, Add</i>	101.36	
			<i>For 12 Gauge Frame, Add</i>	154.06	
08 12 13 13-0081	EA		6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	695.40	141.67
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	61.81	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	49.45	
			<i>For Type 304 Stainless Steel Frame, Add</i>	755.89	
			<i>For Type 316 Stainless Steel Frame, Add</i>	879.51	
			<i>For Baked Enamel Finish, Add</i>	166.12	
			<i>For 18 Gauge Frame, Deduct</i>	-41.21	
			<i>For 14 Gauge Frame, Add</i>	103.02	
			<i>For 12 Gauge Frame, Add</i>	156.59	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0082 EA 7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	727.43	144.39
For Auxiliary Frame Reinforcement For Hinges, Add	65.80	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	52.64	
For Type 304 Stainless Steel Frame, Add	804.01	
For Type 316 Stainless Steel Frame, Add	935.60	
For Baked Enamel Finish, Add	174.91	
For 18 Gauge Frame, Deduct	-43.87	
For 14 Gauge Frame, Add	109.66	
For 12 Gauge Frame, Add	166.69	
08 12 13 13-0083 EA 8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	759.47	147.12
For Auxiliary Frame Reinforcement For Hinges, Add	69.79	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	55.83	
For Type 304 Stainless Steel Frame, Add	852.14	
For Type 316 Stainless Steel Frame, Add	991.72	
For Baked Enamel Finish, Add	183.71	
For 18 Gauge Frame, Deduct	-46.52	
For 14 Gauge Frame, Add	116.31	
For 12 Gauge Frame, Add	176.79	
<b>08 12 13 13-0084 &gt;7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0067)</b>		
08 12 13 13-0085 EA 2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	473.62	81.73
For Auxiliary Frame Reinforcement For Hinges, Add	46.52	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	37.22	
For Type 304 Stainless Steel Frame, Add	566.46	
For Type 316 Stainless Steel Frame, Add	659.51	
For Baked Enamel Finish, Add	117.57	
For 18 Gauge Frame, Deduct	-31.02	
For 14 Gauge Frame, Add	77.54	
For 12 Gauge Frame, Add	117.86	
08 12 13 13-0086 EA 2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	549.05	89.90
For Auxiliary Frame Reinforcement For Hinges, Add	55.39	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	44.31	
For Type 304 Stainless Steel Frame, Add	673.62	
For Type 316 Stainless Steel Frame, Add	784.39	
For Baked Enamel Finish, Add	137.74	
For 18 Gauge Frame, Deduct	-36.92	
For 14 Gauge Frame, Add	92.31	
For 12 Gauge Frame, Add	140.31	
08 12 13 13-0087 EA 2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	565.86	95.35
For Auxiliary Frame Reinforcement For Hinges, Add	56.27	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	45.02	
For Type 304 Stainless Steel Frame, Add	684.81	
For Type 316 Stainless Steel Frame, Add	797.35	
For Baked Enamel Finish, Add	141.15	
For 18 Gauge Frame, Deduct	-37.52	
For 14 Gauge Frame, Add	93.79	
For 12 Gauge Frame, Add	142.56	
08 12 13 13-0088 EA 2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	582.20	103.52
For Auxiliary Frame Reinforcement For Hinges, Add	56.27	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	45.02	
For Type 304 Stainless Steel Frame, Add	685.62	
For Type 316 Stainless Steel Frame, Add	798.17	
For Baked Enamel Finish, Add	143.60	
For 18 Gauge Frame, Deduct	-37.52	
For 14 Gauge Frame, Add	93.79	
For 12 Gauge Frame, Add	142.56	
08 12 13 13-0089 EA 2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	593.56	106.25
For Auxiliary Frame Reinforcement For Hinges, Add	57.16	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	45.73	
For Type 304 Stainless Steel Frame, Add	696.53	
For Type 316 Stainless Steel Frame, Add	810.85	
For Baked Enamel Finish, Add	146.19	
For 18 Gauge Frame, Deduct	-38.11	
For 14 Gauge Frame, Add	95.27	
For 12 Gauge Frame, Add	144.80	
08 12 13 13-0090 EA 3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	604.91	108.97
For Auxiliary Frame Reinforcement For Hinges, Add	58.04	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	46.44	
For Type 304 Stainless Steel Frame, Add	707.43	
For Type 316 Stainless Steel Frame, Add	823.51	
For Baked Enamel Finish, Add	148.78	
For 18 Gauge Frame, Deduct	-38.70	
For 14 Gauge Frame, Add	96.74	
For 12 Gauge Frame, Add	147.04	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0091	EA		3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	642.39	114.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	62.03	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	49.63	
			<i>For Type 304 Stainless Steel Frame, Add</i>	755.83	
			<i>For Type 316 Stainless Steel Frame, Add</i>	879.90	
			<i>For Baked Enamel Finish, Add</i>	158.39	
			<i>For 18 Gauge Frame, Deduct</i>	-41.36	
			<i>For 14 Gauge Frame, Add</i>	103.39	
			<i>For 12 Gauge Frame, Add</i>	157.15	
08 12 13 13-0092	EA		3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	653.29	119.87
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	62.03	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	49.63	
			<i>For Type 304 Stainless Steel Frame, Add</i>	756.38	
			<i>For Type 316 Stainless Steel Frame, Add</i>	880.44	
			<i>For Baked Enamel Finish, Add</i>	160.03	
			<i>For 18 Gauge Frame, Deduct</i>	-41.36	
			<i>For 14 Gauge Frame, Add</i>	103.39	
			<i>For 12 Gauge Frame, Add</i>	157.15	
08 12 13 13-0093	EA		4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	678.96	125.32
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	64.25	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	51.40	
			<i>For Type 304 Stainless Steel Frame, Add</i>	783.51	
			<i>For Type 316 Stainless Steel Frame, Add</i>	912.00	
			<i>For Baked Enamel Finish, Add</i>	166.09	
			<i>For 18 Gauge Frame, Deduct</i>	-42.83	
			<i>For 14 Gauge Frame, Add</i>	107.08	
			<i>For 12 Gauge Frame, Add</i>	162.76	
08 12 13 13-0094	EA		5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	704.63	130.77
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	66.46	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	53.17	
			<i>For Type 304 Stainless Steel Frame, Add</i>	810.64	
			<i>For Type 316 Stainless Steel Frame, Add</i>	943.57	
			<i>For Baked Enamel Finish, Add</i>	172.16	
			<i>For 18 Gauge Frame, Deduct</i>	-44.31	
			<i>For 14 Gauge Frame, Add</i>	110.77	
			<i>For 12 Gauge Frame, Add</i>	168.37	
08 12 13 13-0095	EA		5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	715.52	136.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	66.46	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	53.17	
			<i>For Type 304 Stainless Steel Frame, Add</i>	811.18	
			<i>For Type 316 Stainless Steel Frame, Add</i>	944.11	
			<i>For Baked Enamel Finish, Add</i>	173.79	
			<i>For 18 Gauge Frame, Deduct</i>	-44.31	
			<i>For 14 Gauge Frame, Add</i>	110.77	
			<i>For 12 Gauge Frame, Add</i>	168.37	
08 12 13 13-0096	EA		5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	728.35	138.94
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	67.57	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	54.06	
			<i>For Type 304 Stainless Steel Frame, Add</i>	824.74	
			<i>For Type 316 Stainless Steel Frame, Add</i>	959.88	
			<i>For Baked Enamel Finish, Add</i>	176.82	
			<i>For 18 Gauge Frame, Deduct</i>	-45.05	
			<i>For 14 Gauge Frame, Add</i>	112.62	
			<i>For 12 Gauge Frame, Add</i>	171.18	
08 12 13 13-0097	EA		6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	741.19	141.67
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	68.68	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	54.94	
			<i>For Type 304 Stainless Steel Frame, Add</i>	838.31	
			<i>For Type 316 Stainless Steel Frame, Add</i>	975.67	
			<i>For Baked Enamel Finish, Add</i>	179.86	
			<i>For 18 Gauge Frame, Deduct</i>	-45.79	
			<i>For 14 Gauge Frame, Add</i>	114.47	
			<i>For 12 Gauge Frame, Add</i>	173.99	
08 12 13 13-0098	EA		7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	776.17	144.39
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	73.11	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	58.49	
			<i>For Type 304 Stainless Steel Frame, Add</i>	891.74	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,037.96	
			<i>For Baked Enamel Finish, Add</i>	189.53	
			<i>For 18 Gauge Frame, Deduct</i>	-48.74	
			<i>For 14 Gauge Frame, Add</i>	121.85	
			<i>For 12 Gauge Frame, Add</i>	185.21	





<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0099 EA 8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	811.17	147.12
For Auxiliary Frame Reinforcement For Hinges, Add	77.54	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	62.03	
For Type 304 Stainless Steel Frame, Add	945.20	
For Type 316 Stainless Steel Frame, Add	1,100.29	
For Baked Enamel Finish, Add	199.22	
For 18 Gauge Frame, Deduct	-51.69	
For 14 Gauge Frame, Add	129.24	
For 12 Gauge Frame, Add	196.44	
<b>08 12 13 13-0100 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13)</small>		
Note: For non-rated or fire rated frame assemblies		
<b>08 12 13 13-0101 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13-0100)</small>		
08 12 13 13-0102 EA 2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	463.54	81.73
For Auxiliary Frame Reinforcement For Hinges, Add	45.01	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	36.01	
For Type 304 Stainless Steel Frame, Add	548.32	
For Type 316 Stainless Steel Frame, Add	638.34	
For Baked Enamel Finish, Add	114.54	
For 18 Gauge Frame, Deduct	-30.01	
For 14 Gauge Frame, Add	75.02	
For 12 Gauge Frame, Add	114.03	
08 12 13 13-0103 EA 2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	537.05	89.90
For Auxiliary Frame Reinforcement For Hinges, Add	53.59	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	42.87	
For Type 304 Stainless Steel Frame, Add	652.02	
For Type 316 Stainless Steel Frame, Add	759.19	
For Baked Enamel Finish, Add	134.14	
For 18 Gauge Frame, Deduct	-35.72	
For 14 Gauge Frame, Add	89.31	
For 12 Gauge Frame, Add	135.75	
08 12 13 13-0104 EA 2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	553.67	95.35
For Auxiliary Frame Reinforcement For Hinges, Add	54.44	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	43.56	
For Type 304 Stainless Steel Frame, Add	662.86	
For Type 316 Stainless Steel Frame, Add	771.75	
For Baked Enamel Finish, Add	137.49	
For 18 Gauge Frame, Deduct	-36.30	
For 14 Gauge Frame, Add	90.74	
For 12 Gauge Frame, Add	137.92	
08 12 13 13-0105 EA 2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	570.01	103.52
For Auxiliary Frame Reinforcement For Hinges, Add	54.44	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	43.56	
For Type 304 Stainless Steel Frame, Add	663.68	
For Type 316 Stainless Steel Frame, Add	772.57	
For Baked Enamel Finish, Add	139.95	
For 18 Gauge Frame, Deduct	-36.30	
For 14 Gauge Frame, Add	90.74	
For 12 Gauge Frame, Add	137.92	
08 12 13 13-0106 EA 2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	581.17	106.25
For Auxiliary Frame Reinforcement For Hinges, Add	55.30	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	44.24	
For Type 304 Stainless Steel Frame, Add	674.23	
For Type 316 Stainless Steel Frame, Add	784.83	
For Baked Enamel Finish, Add	142.48	
For 18 Gauge Frame, Deduct	-36.87	
For 14 Gauge Frame, Add	92.17	
For 12 Gauge Frame, Add	140.09	
08 12 13 13-0107 EA 3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	592.34	108.97
For Auxiliary Frame Reinforcement For Hinges, Add	56.16	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	44.93	
For Type 304 Stainless Steel Frame, Add	684.80	
For Type 316 Stainless Steel Frame, Add	797.12	
For Baked Enamel Finish, Add	145.01	
For 18 Gauge Frame, Deduct	-37.44	
For 14 Gauge Frame, Add	93.60	
For 12 Gauge Frame, Add	142.27	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0108	EA		3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	628.95	114.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	60.02	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	48.01	
			<i>For Type 304 Stainless Steel Frame, Add</i>	731.64	
			<i>For Type 316 Stainless Steel Frame, Add</i>	851.67	
			<i>For Baked Enamel Finish, Add</i>	154.36	
			<i>For 18 Gauge Frame, Deduct</i>	-40.01	
			<i>For 14 Gauge Frame, Add</i>	100.03	
			<i>For 12 Gauge Frame, Add</i>	152.04	
08 12 13 13-0109	EA		3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	639.85	119.87
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	60.02	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	48.01	
			<i>For Type 304 Stainless Steel Frame, Add</i>	732.19	
			<i>For Type 316 Stainless Steel Frame, Add</i>	852.22	
			<i>For Baked Enamel Finish, Add</i>	155.99	
			<i>For 18 Gauge Frame, Deduct</i>	-40.01	
			<i>For 14 Gauge Frame, Add</i>	100.03	
			<i>For 12 Gauge Frame, Add</i>	152.04	
08 12 13 13-0110	EA		4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	665.04	125.32
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	62.16	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	49.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	758.45	
			<i>For Type 316 Stainless Steel Frame, Add</i>	882.77	
			<i>For Baked Enamel Finish, Add</i>	161.92	
			<i>For 18 Gauge Frame, Deduct</i>	-41.44	
			<i>For 14 Gauge Frame, Add</i>	103.60	
			<i>For 12 Gauge Frame, Add</i>	157.47	
08 12 13 13-0111	EA		5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	690.23	130.77
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	64.30	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	51.44	
			<i>For Type 304 Stainless Steel Frame, Add</i>	784.72	
			<i>For Type 316 Stainless Steel Frame, Add</i>	913.33	
			<i>For Baked Enamel Finish, Add</i>	167.84	
			<i>For 18 Gauge Frame, Deduct</i>	-42.87	
			<i>For 14 Gauge Frame, Add</i>	107.17	
			<i>For 12 Gauge Frame, Add</i>	162.90	
08 12 13 13-0112	EA		5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	701.12	136.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	64.30	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	51.44	
			<i>For Type 304 Stainless Steel Frame, Add</i>	785.26	
			<i>For Type 316 Stainless Steel Frame, Add</i>	913.87	
			<i>For Baked Enamel Finish, Add</i>	169.47	
			<i>For 18 Gauge Frame, Deduct</i>	-42.87	
			<i>For 14 Gauge Frame, Add</i>	107.17	
			<i>For 12 Gauge Frame, Add</i>	162.90	
08 12 13 13-0113	EA		5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	713.71	138.94
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.37	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	52.30	
			<i>For Type 304 Stainless Steel Frame, Add</i>	798.39	
			<i>For Type 316 Stainless Steel Frame, Add</i>	929.14	
			<i>For Baked Enamel Finish, Add</i>	172.43	
			<i>For 18 Gauge Frame, Deduct</i>	-43.58	
			<i>For 14 Gauge Frame, Add</i>	108.96	
			<i>For 12 Gauge Frame, Add</i>	165.62	
08 12 13 13-0114	EA		6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	726.31	141.67
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	66.45	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	53.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	811.53	
			<i>For Type 316 Stainless Steel Frame, Add</i>	944.42	
			<i>For Baked Enamel Finish, Add</i>	175.39	
			<i>For 18 Gauge Frame, Deduct</i>	-44.30	
			<i>For 14 Gauge Frame, Add</i>	110.75	
			<i>For 12 Gauge Frame, Add</i>	168.33	
08 12 13 13-0115	EA		7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	760.33	144.39
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	70.73	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	56.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	863.23	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,004.69	
			<i>For Baked Enamel Finish, Add</i>	184.78	
			<i>For 18 Gauge Frame, Deduct</i>	-47.16	
			<i>For 14 Gauge Frame, Add</i>	117.89	
			<i>For 12 Gauge Frame, Add</i>	179.19	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0116 EA 8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	794.37	147.12
For Auxiliary Frame Reinforcement For Hinges, Add	75.02	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	60.02	
For Type 304 Stainless Steel Frame, Add	914.96	
For Type 316 Stainless Steel Frame, Add	1,065.01	
For Baked Enamel Finish, Add	194.18	
For 18 Gauge Frame, Deduct	-50.01	
For 14 Gauge Frame, Add	125.04	
For 12 Gauge Frame, Add	190.05	
<b>08 12 13 13-0117 &gt;7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0100)</b>		
08 12 13 13-0118 EA 2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	496.88	81.73
For Auxiliary Frame Reinforcement For Hinges, Add	50.01	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	40.01	
For Type 304 Stainless Steel Frame, Add	608.33	
For Type 316 Stainless Steel Frame, Add	708.36	
For Baked Enamel Finish, Add	124.55	
For 18 Gauge Frame, Deduct	-33.34	
For 14 Gauge Frame, Add	83.36	
For 12 Gauge Frame, Add	126.70	
08 12 13 13-0119 EA 2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	576.74	89.90
For Auxiliary Frame Reinforcement For Hinges, Add	59.54	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	47.63	
For Type 304 Stainless Steel Frame, Add	723.46	
For Type 316 Stainless Steel Frame, Add	842.54	
For Baked Enamel Finish, Add	146.05	
For 18 Gauge Frame, Deduct	-39.69	
For 14 Gauge Frame, Add	99.23	
For 12 Gauge Frame, Add	150.83	
08 12 13 13-0120 EA 2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	593.99	95.35
For Auxiliary Frame Reinforcement For Hinges, Add	60.49	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	48.39	
For Type 304 Stainless Steel Frame, Add	735.44	
For Type 316 Stainless Steel Frame, Add	856.42	
For Baked Enamel Finish, Add	149.59	
For 18 Gauge Frame, Deduct	-40.33	
For 14 Gauge Frame, Add	100.82	
For 12 Gauge Frame, Add	153.25	
08 12 13 13-0121 EA 2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	610.33	103.52
For Auxiliary Frame Reinforcement For Hinges, Add	60.49	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	48.39	
For Type 304 Stainless Steel Frame, Add	736.26	
For Type 316 Stainless Steel Frame, Add	857.24	
For Baked Enamel Finish, Add	152.04	
For 18 Gauge Frame, Deduct	-40.33	
For 14 Gauge Frame, Add	100.82	
For 12 Gauge Frame, Add	153.25	
08 12 13 13-0122 EA 2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	622.14	106.25
For Auxiliary Frame Reinforcement For Hinges, Add	61.45	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	49.16	
For Type 304 Stainless Steel Frame, Add	747.98	
For Type 316 Stainless Steel Frame, Add	870.87	
For Baked Enamel Finish, Add	154.77	
For 18 Gauge Frame, Deduct	-40.96	
For 14 Gauge Frame, Add	102.41	
For 12 Gauge Frame, Add	155.66	
08 12 13 13-0123 EA 3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	633.94	108.97
For Auxiliary Frame Reinforcement For Hinges, Add	62.40	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	49.92	
For Type 304 Stainless Steel Frame, Add	759.68	
For Type 316 Stainless Steel Frame, Add	884.48	
For Baked Enamel Finish, Add	157.49	
For 18 Gauge Frame, Deduct	-41.60	
For 14 Gauge Frame, Add	104.00	
For 12 Gauge Frame, Add	158.08	
08 12 13 13-0124 EA 3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	673.41	114.42
For Auxiliary Frame Reinforcement For Hinges, Add	66.69	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	53.35	
For Type 304 Stainless Steel Frame, Add	811.67	
For Type 316 Stainless Steel Frame, Add	945.04	
For Baked Enamel Finish, Add	167.70	
For 18 Gauge Frame, Deduct	-44.46	
For 14 Gauge Frame, Add	111.14	
For 12 Gauge Frame, Add	168.94	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0125	EA		3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	684.31	119.87
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	66.69	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	53.35	
			<i>For Type 304 Stainless Steel Frame, Add</i>	812.21	
			<i>For Type 316 Stainless Steel Frame, Add</i>	945.58	
			<i>For Baked Enamel Finish, Add</i>	169.33	
			<i>For 18 Gauge Frame, Deduct</i>	-44.46	
			<i>For 14 Gauge Frame, Add</i>	111.14	
			<i>For 12 Gauge Frame, Add</i>	168.94	
08 12 13 13-0126	EA		4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	711.08	125.32
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	69.07	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	55.25	
			<i>For Type 304 Stainless Steel Frame, Add</i>	841.32	
			<i>For Type 316 Stainless Steel Frame, Add</i>	979.46	
			<i>For Baked Enamel Finish, Add</i>	175.73	
			<i>For 18 Gauge Frame, Deduct</i>	-46.04	
			<i>For 14 Gauge Frame, Add</i>	115.11	
			<i>For 12 Gauge Frame, Add</i>	174.97	
08 12 13 13-0127	EA		5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	737.86	130.77
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	71.45	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	57.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	870.45	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,013.35	
			<i>For Baked Enamel Finish, Add</i>	182.13	
			<i>For 18 Gauge Frame, Deduct</i>	-47.63	
			<i>For 14 Gauge Frame, Add</i>	119.08	
			<i>For 12 Gauge Frame, Add</i>	181.00	
08 12 13 13-0128	EA		5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	748.75	136.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	71.45	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	57.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	871.00	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,013.89	
			<i>For Baked Enamel Finish, Add</i>	183.76	
			<i>For 18 Gauge Frame, Deduct</i>	-47.63	
			<i>For 14 Gauge Frame, Add</i>	119.08	
			<i>For 12 Gauge Frame, Add</i>	181.00	
08 12 13 13-0129	EA		5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	762.14	138.94
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	72.64	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	58.11	
			<i>For Type 304 Stainless Steel Frame, Add</i>	885.56	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,030.84	
			<i>For Baked Enamel Finish, Add</i>	186.96	
			<i>For 18 Gauge Frame, Deduct</i>	-48.43	
			<i>For 14 Gauge Frame, Add</i>	121.07	
			<i>For 12 Gauge Frame, Add</i>	184.02	
08 12 13 13-0130	EA		6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	775.53	141.67
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	73.83	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	59.06	
			<i>For Type 304 Stainless Steel Frame, Add</i>	900.13	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,047.79	
			<i>For Baked Enamel Finish, Add</i>	190.16	
			<i>For 18 Gauge Frame, Deduct</i>	-49.22	
			<i>For 14 Gauge Frame, Add</i>	123.05	
			<i>For 12 Gauge Frame, Add</i>	187.04	
08 12 13 13-0131	EA		7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	812.73	144.39
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	78.59	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	62.87	
			<i>For Type 304 Stainless Steel Frame, Add</i>	957.55	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,114.73	
			<i>For Baked Enamel Finish, Add</i>	200.50	
			<i>For 18 Gauge Frame, Deduct</i>	-52.40	
			<i>For 14 Gauge Frame, Add</i>	130.99	
			<i>For 12 Gauge Frame, Add</i>	199.10	
08 12 13 13-0132	EA		8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	849.94	147.12
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	83.36	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	66.69	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,014.99	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,181.70	
			<i>For Baked Enamel Finish, Add</i>	210.85	
			<i>For 18 Gauge Frame, Deduct</i>	-55.57	
			<i>For 14 Gauge Frame, Add</i>	138.93	
			<i>For 12 Gauge Frame, Add</i>	211.17	

**08 12 13 13-0133 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames** (08 12 13 13)

Note: For non-rated or fire rated frame assemblies



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 12 13 13-0134 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13-0133)</small>		
08 12 13 13-0135 EA 2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	477.50	81.73
For Auxiliary Frame Reinforcement For Hinges, Add	47.11	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	37.68	
For Type 304 Stainless Steel Frame, Add	573.45	
For Type 316 Stainless Steel Frame, Add	667.66	
For Baked Enamel Finish, Add	118.73	
For 18 Gauge Frame, Deduct	-31.40	
For 14 Gauge Frame, Add	78.51	
For 12 Gauge Frame, Add	119.34	
08 12 13 13-0136 EA 2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	553.67	89.90
For Auxiliary Frame Reinforcement For Hinges, Add	56.08	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	44.86	
For Type 304 Stainless Steel Frame, Add	681.94	
For Type 316 Stainless Steel Frame, Add	794.10	
For Baked Enamel Finish, Add	139.13	
For 18 Gauge Frame, Deduct	-37.39	
For 14 Gauge Frame, Add	93.47	
For 12 Gauge Frame, Add	142.07	
08 12 13 13-0137 EA 2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	570.55	95.35
For Auxiliary Frame Reinforcement For Hinges, Add	56.98	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	45.58	
For Type 304 Stainless Steel Frame, Add	693.25	
For Type 316 Stainless Steel Frame, Add	807.20	
For Baked Enamel Finish, Add	142.56	
For 18 Gauge Frame, Deduct	-37.98	
For 14 Gauge Frame, Add	94.96	
For 12 Gauge Frame, Add	144.34	
08 12 13 13-0138 EA 2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	586.89	103.52
For Auxiliary Frame Reinforcement For Hinges, Add	56.98	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	45.58	
For Type 304 Stainless Steel Frame, Add	694.06	
For Type 316 Stainless Steel Frame, Add	808.02	
For Baked Enamel Finish, Add	145.01	
For 18 Gauge Frame, Deduct	-37.98	
For 14 Gauge Frame, Add	94.96	
For 12 Gauge Frame, Add	144.34	
08 12 13 13-0139 EA 2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	588.32	106.25
For Auxiliary Frame Reinforcement For Hinges, Add	57.87	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	46.30	
For Type 304 Stainless Steel Frame, Add	705.10	
For Type 316 Stainless Steel Frame, Add	820.85	
For Baked Enamel Finish, Add	147.62	
For 18 Gauge Frame, Deduct	-38.58	
For 14 Gauge Frame, Add	96.46	
For 12 Gauge Frame, Add	146.61	
08 12 13 13-0140 EA 3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	609.75	108.97
For Auxiliary Frame Reinforcement For Hinges, Add	58.77	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	47.02	
For Type 304 Stainless Steel Frame, Add	716.14	
For Type 316 Stainless Steel Frame, Add	833.68	
For Baked Enamel Finish, Add	150.23	
For 18 Gauge Frame, Deduct	-39.18	
For 14 Gauge Frame, Add	97.95	
For 12 Gauge Frame, Add	148.88	
08 12 13 13-0141 EA 3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	647.56	114.42
For Auxiliary Frame Reinforcement For Hinges, Add	62.81	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	50.25	
For Type 304 Stainless Steel Frame, Add	765.14	
For Type 316 Stainless Steel Frame, Add	890.75	
For Baked Enamel Finish, Add	159.94	
For 18 Gauge Frame, Deduct	-41.87	
For 14 Gauge Frame, Add	104.68	
For 12 Gauge Frame, Add	159.11	
08 12 13 13-0142 EA 3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	658.46	119.87
For Auxiliary Frame Reinforcement For Hinges, Add	62.81	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	50.25	
For Type 304 Stainless Steel Frame, Add	765.68	
For Type 316 Stainless Steel Frame, Add	891.30	
For Baked Enamel Finish, Add	161.58	
For 18 Gauge Frame, Deduct	-41.87	
For 14 Gauge Frame, Add	104.68	
For 12 Gauge Frame, Add	159.11	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0143 EA 4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	684.31	125.32
For Auxiliary Frame Reinforcement For Hinges, Add	65.05	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	52.04	
For Type 304 Stainless Steel Frame, Add	793.14	
For Type 316 Stainless Steel Frame, Add	923.24	
For Baked Enamel Finish, Add	167.70	
For 18 Gauge Frame, Deduct	-43.37	
For 14 Gauge Frame, Add	108.42	
For 12 Gauge Frame, Add	164.79	
08 12 13 13-0144 EA 5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	710.17	130.77
For Auxiliary Frame Reinforcement For Hinges, Add	67.29	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	53.84	
For Type 304 Stainless Steel Frame, Add	820.61	
For Type 316 Stainless Steel Frame, Add	955.20	
For Baked Enamel Finish, Add	173.82	
For 18 Gauge Frame, Deduct	-44.86	
For 14 Gauge Frame, Add	112.16	
For 12 Gauge Frame, Add	170.48	
08 12 13 13-0145 EA 5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	721.06	136.22
For Auxiliary Frame Reinforcement For Hinges, Add	67.29	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	53.84	
For Type 304 Stainless Steel Frame, Add	821.16	
For Type 316 Stainless Steel Frame, Add	955.74	
For Baked Enamel Finish, Add	175.45	
For 18 Gauge Frame, Deduct	-44.86	
For 14 Gauge Frame, Add	112.16	
For 12 Gauge Frame, Add	170.48	
08 12 13 13-0146 EA 5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	733.98	138.94
For Auxiliary Frame Reinforcement For Hinges, Add	68.42	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	54.73	
For Type 304 Stainless Steel Frame, Add	834.87	
For Type 316 Stainless Steel Frame, Add	971.70	
For Baked Enamel Finish, Add	178.51	
For 18 Gauge Frame, Deduct	-45.61	
For 14 Gauge Frame, Add	114.03	
For 12 Gauge Frame, Add	173.32	
08 12 13 13-0147 EA 6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	746.91	141.67
For Auxiliary Frame Reinforcement For Hinges, Add	69.54	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	55.63	
For Type 304 Stainless Steel Frame, Add	848.61	
For Type 316 Stainless Steel Frame, Add	987.68	
For Baked Enamel Finish, Add	181.57	
For 18 Gauge Frame, Deduct	-46.36	
For 14 Gauge Frame, Add	115.90	
For 12 Gauge Frame, Add	176.16	
08 12 13 13-0148 EA 7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	782.27	144.39
For Auxiliary Frame Reinforcement For Hinges, Add	74.02	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	59.22	
For Type 304 Stainless Steel Frame, Add	902.72	
For Type 316 Stainless Steel Frame, Add	1,050.77	
For Baked Enamel Finish, Add	191.36	
For 18 Gauge Frame, Deduct	-49.35	
For 14 Gauge Frame, Add	123.37	
For 12 Gauge Frame, Add	187.53	
08 12 13 13-0149 EA 8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	817.63	147.12
For Auxiliary Frame Reinforcement For Hinges, Add	78.51	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	62.81	
For Type 304 Stainless Steel Frame, Add	956.83	
For Type 316 Stainless Steel Frame, Add	1,113.85	
For Baked Enamel Finish, Add	201.15	
For 18 Gauge Frame, Deduct	-52.34	
For 14 Gauge Frame, Add	130.85	
For 12 Gauge Frame, Add	198.89	
<b>08 12 13 13-0150 &gt;7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13-0133)</small>		
08 12 13 13-0151 EA 2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	512.39	81.73
For Auxiliary Frame Reinforcement For Hinges, Add	52.34	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	41.87	
For Type 304 Stainless Steel Frame, Add	636.25	
For Type 316 Stainless Steel Frame, Add	740.93	
For Baked Enamel Finish, Add	129.20	
For 18 Gauge Frame, Deduct	-34.89	
For 14 Gauge Frame, Add	87.23	
For 12 Gauge Frame, Add	132.59	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0152 EA 2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	595.21	89.90
For Auxiliary Frame Reinforcement For Hinges, Add	62.31	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	49.85	
For Type 304 Stainless Steel Frame, Add	756.71	
For Type 316 Stainless Steel Frame, Add	881.33	
For Baked Enamel Finish, Add	151.59	
For 18 Gauge Frame, Deduct	-41.54	
For 14 Gauge Frame, Add	103.85	
For 12 Gauge Frame, Add	157.85	
08 12 13 13-0153 EA 2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	612.75	95.35
For Auxiliary Frame Reinforcement For Hinges, Add	63.31	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	50.64	
For Type 304 Stainless Steel Frame, Add	769.21	
For Type 316 Stainless Steel Frame, Add	895.82	
For Baked Enamel Finish, Add	155.22	
For 18 Gauge Frame, Deduct	-42.20	
For 14 Gauge Frame, Add	105.51	
For 12 Gauge Frame, Add	160.38	
08 12 13 13-0154 EA 2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	629.09	103.52
For Auxiliary Frame Reinforcement For Hinges, Add	63.31	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	50.64	
For Type 304 Stainless Steel Frame, Add	770.02	
For Type 316 Stainless Steel Frame, Add	896.64	
For Baked Enamel Finish, Add	157.67	
For 18 Gauge Frame, Deduct	-42.20	
For 14 Gauge Frame, Add	105.51	
For 12 Gauge Frame, Add	160.38	
08 12 13 13-0155 EA 2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	641.19	106.25
For Auxiliary Frame Reinforcement For Hinges, Add	64.30	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	51.44	
For Type 304 Stainless Steel Frame, Add	782.27	
For Type 316 Stainless Steel Frame, Add	910.87	
For Baked Enamel Finish, Add	160.48	
For 18 Gauge Frame, Deduct	-42.87	
For 14 Gauge Frame, Add	107.17	
For 12 Gauge Frame, Add	162.90	
08 12 13 13-0156 EA 3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	653.28	108.97
For Auxiliary Frame Reinforcement For Hinges, Add	65.30	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	52.24	
For Type 304 Stainless Steel Frame, Add	794.49	
For Type 316 Stainless Steel Frame, Add	925.09	
For Baked Enamel Finish, Add	163.29	
For 18 Gauge Frame, Deduct	-43.53	
For 14 Gauge Frame, Add	108.83	
For 12 Gauge Frame, Add	165.43	
08 12 13 13-0157 EA 3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	694.08	114.42
For Auxiliary Frame Reinforcement For Hinges, Add	69.79	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	55.83	
For Type 304 Stainless Steel Frame, Add	848.87	
For Type 316 Stainless Steel Frame, Add	988.45	
For Baked Enamel Finish, Add	173.90	
For 18 Gauge Frame, Deduct	-46.52	
For 14 Gauge Frame, Add	116.31	
For 12 Gauge Frame, Add	176.79	
08 12 13 13-0158 EA 3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	704.98	119.87
For Auxiliary Frame Reinforcement For Hinges, Add	69.79	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	55.83	
For Type 304 Stainless Steel Frame, Add	849.42	
For Type 316 Stainless Steel Frame, Add	988.99	
For Baked Enamel Finish, Add	175.53	
For 18 Gauge Frame, Deduct	-46.52	
For 14 Gauge Frame, Add	116.31	
For 12 Gauge Frame, Add	176.79	
08 12 13 13-0159 EA 4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	732.50	125.32
For Auxiliary Frame Reinforcement For Hinges, Add	72.28	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	57.82	
For Type 304 Stainless Steel Frame, Add	879.88	
For Type 316 Stainless Steel Frame, Add	1,024.44	
For Baked Enamel Finish, Add	182.15	
For 18 Gauge Frame, Deduct	-48.19	
For 14 Gauge Frame, Add	120.47	
For 12 Gauge Frame, Add	183.11	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0160	EA		5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	760.01	130.77
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	74.77	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	59.82	
			<i>For Type 304 Stainless Steel Frame, Add</i>	910.32	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,059.86	
			<i>For Baked Enamel Finish, Add</i>	188.77	
			<i>For 18 Gauge Frame, Deduct</i>	-49.85	
			<i>For 14 Gauge Frame, Add</i>	124.62	
			<i>For 12 Gauge Frame, Add</i>	189.42	
08 12 13 13-0161	EA		5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	770.90	136.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	74.77	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	59.82	
			<i>For Type 304 Stainless Steel Frame, Add</i>	910.87	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,060.41	
			<i>For Baked Enamel Finish, Add</i>	190.41	
			<i>For 18 Gauge Frame, Deduct</i>	-49.85	
			<i>For 14 Gauge Frame, Add</i>	124.62	
			<i>For 12 Gauge Frame, Add</i>	189.42	
08 12 13 13-0162	EA		5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	784.66	138.94
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	76.02	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	60.81	
			<i>For Type 304 Stainless Steel Frame, Add</i>	926.10	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,078.13	
			<i>For Baked Enamel Finish, Add</i>	193.72	
			<i>For 18 Gauge Frame, Deduct</i>	-50.68	
			<i>For 14 Gauge Frame, Add</i>	126.70	
			<i>For 12 Gauge Frame, Add</i>	192.58	
08 12 13 13-0163	EA		6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	798.42	141.67
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	77.26	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	61.81	
			<i>For Type 304 Stainless Steel Frame, Add</i>	941.33	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,095.86	
			<i>For Baked Enamel Finish, Add</i>	197.03	
			<i>For 18 Gauge Frame, Deduct</i>	-51.51	
			<i>For 14 Gauge Frame, Add</i>	128.77	
			<i>For 12 Gauge Frame, Add</i>	195.73	
08 12 13 13-0164	EA		7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	837.10	144.39
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	82.25	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	65.80	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,001.42	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,165.91	
			<i>For Baked Enamel Finish, Add</i>	207.81	
			<i>For 18 Gauge Frame, Deduct</i>	-54.83	
			<i>For 14 Gauge Frame, Add</i>	137.08	
			<i>For 12 Gauge Frame, Add</i>	208.36	
08 12 13 13-0165	EA		8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	875.78	147.12
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	87.23	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	69.79	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,061.50	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,235.97	
			<i>For Baked Enamel Finish, Add</i>	218.60	
			<i>For 18 Gauge Frame, Deduct</i>	-58.16	
			<i>For 14 Gauge Frame, Add</i>	145.39	
			<i>For 12 Gauge Frame, Add</i>	220.99	
08 12 13 13-0166			<b>Sidelights And Transoms</b> <small>(08 12 13 13)</small>		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0167			<b>Fixed Steel Transoms</b> <small>(08 12 13 13-0166)</small>		
			Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0168	SF		4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	58.76	15.26
			<i>For Movable Frame, Add</i>	11.75	
			<i>For 18 Gauge Frame, Deduct</i>	-2.82	
			<i>For 14 Gauge Frame, Add</i>	7.06	
			<i>For 12 Gauge Frame, Add</i>	10.73	
08 12 13 13-0169	SF		5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	61.23	15.80
			<i>For Movable Frame, Add</i>	12.25	
			<i>For 18 Gauge Frame, Deduct</i>	-2.96	
			<i>For 14 Gauge Frame, Add</i>	7.41	
			<i>For 12 Gauge Frame, Add</i>	11.26	
08 12 13 13-0170	SF		6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	63.81	16.35
			<i>For Movable Frame, Add</i>	12.76	
			<i>For 18 Gauge Frame, Deduct</i>	-3.11	
			<i>For 14 Gauge Frame, Add</i>	7.78	
			<i>For 12 Gauge Frame, Add</i>	11.83	
08 12 13 13-0171			<b>Operable Steel Transom Sash</b> <small>(08 12 13 13-0166)</small>		
			Note: Includes hardware.		





<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0172 SF 4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	77.84	15.26
For 18 Gauge Frame, Deduct	-4.73	
For 14 Gauge Frame, Add	11.83	
For 12 Gauge Frame, Add	17.98	
08 12 13 13-0173 SF 5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	81.29	15.80
For 18 Gauge Frame, Deduct	-4.97	
For 14 Gauge Frame, Add	12.42	
For 12 Gauge Frame, Add	18.88	
08 12 13 13-0174 SF 6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	84.86	16.35
For 18 Gauge Frame, Deduct	-5.22	
For 14 Gauge Frame, Add	13.04	
For 12 Gauge Frame, Add	19.82	
<b>08 12 13 13-0175 Sidelights, Steel Frame</b> <small>(08 12 13 13-0166)</small>		
Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0176 SF 4-3/4" Deep Sidelights, 16 Gauge Frame .....	60.87	15.26
For 18 Gauge Frame, Deduct	-3.04	
For 14 Gauge Frame, Add	7.59	
For 12 Gauge Frame, Add	11.53	
08 12 13 13-0177 SF 5-3/4" Deep Sidelights, 16 Gauge Frame .....	63.47	15.80
For 18 Gauge Frame, Deduct	-3.19	
For 14 Gauge Frame, Add	7.97	
For 12 Gauge Frame, Add	12.11	
08 12 13 13-0178 SF 6-3/4" Deep Sidelights, 16 Gauge Frame .....	66.14	16.35
For 18 Gauge Frame, Deduct	-3.35	
For 14 Gauge Frame, Add	8.36	
For 12 Gauge Frame, Add	12.71	
<b>08 12 13 13-0179 Sundry Hollow Metal Frame Sections</b> <small>(08 12 13 13)</small>		
Note: For non-rated or fire rated frame assemblies		
<b>08 12 13 13-0180 16 Gauge, Hollow Metal Frame Vertical Mullions</b> <small>(08 12 13 13-0179)</small>		
08 12 13 13-0181 LF 4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion .....	47.13	6.10
For 18 Gauge Frame, Deduct	-3.18	
For 14 Gauge Frame, Add	7.95	
For 12 Gauge Frame, Add	12.08	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0182 LF 4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	48.41	6.10
For 18 Gauge Frame, Deduct	-3.31	
For 14 Gauge Frame, Add	8.27	
For 12 Gauge Frame, Add	12.56	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0183 LF 5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion .....	47.57	6.32
For 18 Gauge Frame, Deduct	-3.18	
For 14 Gauge Frame, Add	7.95	
For 12 Gauge Frame, Add	12.08	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0184 LF 5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	49.55	6.32
For 18 Gauge Frame, Deduct	-3.38	
For 14 Gauge Frame, Add	8.44	
For 12 Gauge Frame, Add	12.83	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0185 LF 6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion .....	49.51	6.43
For 18 Gauge Frame, Deduct	-3.34	
For 14 Gauge Frame, Add	8.34	
For 12 Gauge Frame, Add	12.68	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0186 LF 6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	50.27	6.43
For 18 Gauge Frame, Deduct	-3.41	
For 14 Gauge Frame, Add	8.53	
For 12 Gauge Frame, Add	12.97	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
<b>08 12 13 13-0187 16 Gauge, Hollow Metal Frame Horizontal Rails</b> <small>(08 12 13 13-0179)</small>		
08 12 13 13-0188 LF 4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail .....	31.24	6.10
For 18 Gauge Frame, Deduct	-1.59	
For 14 Gauge Frame, Add	3.97	
For 12 Gauge Frame, Add	6.04	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 12 13 13-0189	LF 4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	32.86	6.10
	For 18 Gauge Frame, Deduct	-1.75	
	For 14 Gauge Frame, Add	4.38	
	For 12 Gauge Frame, Add	6.65	
	For 3 Hour Frame, Add	8.00	
	For 1-1/2 Hour Frame, Add	5.00	
	For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0190	LF 5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	31.68	6.32
	For 18 Gauge Frame, Deduct	-1.59	
	For 14 Gauge Frame, Add	3.97	
	For 12 Gauge Frame, Add	6.04	
	For 3 Hour Frame, Add	8.00	
	For 1-1/2 Hour Frame, Add	5.00	
	For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0191	LF 5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	33.30	6.32
	For 18 Gauge Frame, Deduct	-1.75	
	For 14 Gauge Frame, Add	4.38	
	For 12 Gauge Frame, Add	6.65	
	For 3 Hour Frame, Add	8.00	
	For 1-1/2 Hour Frame, Add	5.00	
	For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0192	LF 6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	32.83	6.43
	For 18 Gauge Frame, Deduct	-1.67	
	For 14 Gauge Frame, Add	4.17	
	For 12 Gauge Frame, Add	6.34	
	For 3 Hour Frame, Add	8.00	
	For 1-1/2 Hour Frame, Add	5.00	
	For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0193	LF 6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	34.23	6.43
	For 18 Gauge Frame, Deduct	-1.81	
	For 14 Gauge Frame, Add	4.52	
	For 12 Gauge Frame, Add	6.87	
	For 3 Hour Frame, Add	8.00	
	For 1-1/2 Hour Frame, Add	5.00	
	For 3/4 Hour Frame, Add	4.00	
<b>08 12 13 13-0194</b>	<b>16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullions</b> <small>(08 12 13 13-0179)</small>		
08 12 13 13-0195	EA 4-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion .....	1,367.92	42.72
	For 18 Gauge Frame, Deduct	-126.11	
	For 14 Gauge Frame, Add	315.28	
	For 12 Gauge Frame, Add	479.23	
08 12 13 13-0196	EA 4-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	1,418.22	42.72
	For 18 Gauge Frame, Deduct	-131.14	
	For 14 Gauge Frame, Add	327.86	
	For 12 Gauge Frame, Add	498.34	
08 12 13 13-0197	EA 5-1/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion .....	1,574.20	44.68
	For 18 Gauge Frame, Deduct	-146.41	
	For 14 Gauge Frame, Add	366.03	
	For 12 Gauge Frame, Add	556.37	
	For 3 Hour Frame, Add	56.00	
	For 1-1/2 Hour Frame, Add	36.00	
	For 3/4 Hour Frame, Add	28.00	
08 12 13 13-0198	EA 5-1/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	1,619.11	44.68
	For 18 Gauge Frame, Deduct	-150.90	
	For 14 Gauge Frame, Add	377.26	
	For 12 Gauge Frame, Add	573.44	
	For 3 Hour Frame, Add	56.00	
	For 1-1/2 Hour Frame, Add	36.00	
	For 3/4 Hour Frame, Add	28.00	
08 12 13 13-0199	EA 6-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion .....	1,835.45	45.77
	For 18 Gauge Frame, Deduct	-172.10	
	For 14 Gauge Frame, Add	430.26	
	For 12 Gauge Frame, Add	653.99	
	For 3 Hour Frame, Add	56.00	
	For 1-1/2 Hour Frame, Add	36.00	
	For 3/4 Hour Frame, Add	28.00	
08 12 13 13-0200	EA 6-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	1,865.99	45.77
	For 18 Gauge Frame, Deduct	-175.16	
	For 14 Gauge Frame, Add	437.89	
	For 12 Gauge Frame, Add	665.60	
	For 3 Hour Frame, Add	56.00	
	For 1-1/2 Hour Frame, Add	36.00	
	For 3/4 Hour Frame, Add	28.00	

**08 12 13 13-0201 Metal Frames Accessories** (08 12 13 13)

08 12 13 13-0202 EA For 1' Extension Of New Door Frame .....57.04

**08 12 16 Aluminum Frames** (08 12)

08 12 16 00-0001 Two Piece Aluminum Door Frames (08 12 16)

08 12 16 00-0002 4-1/8" x 3/8" Two Piece Aluminum Door Frames (08 12 16 00-0001)



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 16 00-0003 EA Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	1,890.00	59.93
08 12 16 00-0004 EA Two Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	1,890.00	59.93
<b>08 12 16 00-0005 4-3/4" x 1-3/8" Two Piece Aluminum Door Frames</b> <small>(08 12 16 00-0001)</small>		
08 12 16 00-0006 EA Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head.....	1,890.00	59.93
08 12 16 00-0007 EA Two Piece Aluminum Door Frame Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head.....	1,890.00	59.93
<b>08 13 Metal Doors</b> <small>(08 10)</small>		
Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.		
<b>08 13 13 Hollow Metal Doors</b> <small>(08 13)</small>		
<b>08 13 13 13 Standard Hollow Metal Doors</b> <small>(08 13 13)</small>		
Note: Hollow Metal Doors are full flush, fabricated from cold rolled steel conforming to ASTM A1008, honeycomb core, interlocking mechanical vertical edge seam, with epoxy baked-on primer. Galvanized steel doors are fabricated from a carbon steel sheet that has been coated with zinc on two sides by the continuous hot-dip process. Hollow Metal Doors are organized by the following levels: 20 Gauge, Level 1 Standard Duty; 18 Gauge, Level 2 Heavy Duty; 16 Gauge, Level 3 Extra Heavy Duty; 14 Gauge, Level 4 Maximum Duty.		
08 13 13 13-0001 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13)</small>		
08 13 13 13-0002 6'-8" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0001)</small>		
08 13 13 13-0003 EA 2' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	852.49	59.93
<i>For Galvanized Steel Door, Add</i>	146.52	
<i>For Type 304 Stainless Steel Door, Add</i>	586.10	
<i>For Type 316 Stainless Steel Door, Add</i>	952.41	
<i>For Embossed Panel Door, Add</i>	175.83	
<i>For Baked Enamel Finish, Add</i>	237.77	
<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
<i>For &gt;50 To 100, Deduct</i>	-45.62	
<i>For &gt;100, Deduct</i>	-66.93	
<i>For Polystyrene Core, Add</i>	73.26	
<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	183.16	
<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	91.58	
08 13 13 13-0004 EA 2'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	852.49	59.93
<i>For Galvanized Steel Door, Add</i>	146.52	
<i>For Type 304 Stainless Steel Door, Add</i>	586.10	
<i>For Type 316 Stainless Steel Door, Add</i>	952.41	
<i>For Embossed Panel Door, Add</i>	175.83	
<i>For Baked Enamel Finish, Add</i>	237.77	
<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
<i>For &gt;50 To 100, Deduct</i>	-45.62	
<i>For &gt;100, Deduct</i>	-66.93	
<i>For Polystyrene Core, Add</i>	73.26	
<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	183.16	
<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	91.58	
08 13 13 13-0005 EA 2'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	872.92	62.66
<i>For Galvanized Steel Door, Add</i>	149.52	
<i>For Type 304 Stainless Steel Door, Add</i>	598.08	
<i>For Type 316 Stainless Steel Door, Add</i>	971.88	
<i>For Embossed Panel Door, Add</i>	179.42	
<i>For Baked Enamel Finish, Add</i>	243.08	
<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
<i>For &gt;50 To 100, Deduct</i>	-46.78	
<i>For &gt;100, Deduct</i>	-68.60	
<i>For Polystyrene Core, Add</i>	74.76	
<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	186.90	
<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	93.45	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 13 13 13-0006	EA 2'-8" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	884.08	62.66
	For Galvanized Steel Door, Add	151.75	
	For Type 304 Stainless Steel Door, Add	607.01	
	For Type 316 Stainless Steel Door, Add	986.39	
	For Embossed Panel Door, Add	182.10	
	For Baked Enamel Finish, Add	246.43	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-47.34	
	For >100, Deduct	-69.44	
	For Polystyrene Core, Add	75.88	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	189.69	
	For Continuously Welded And Filled Vertical Edge Seam, Add	94.85	
08 13 13 13-0007	EA 2'-10" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	891.26	64.02
	For Galvanized Steel Door, Add	152.64	
	For Type 304 Stainless Steel Door, Add	610.58	
	For Type 316 Stainless Steel Door, Add	992.19	
	For Embossed Panel Door, Add	183.17	
	For Baked Enamel Finish, Add	248.17	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-47.76	
	For >100, Deduct	-70.05	
	For Polystyrene Core, Add	76.32	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	190.81	
	For Continuously Welded And Filled Vertical Edge Seam, Add	95.40	
08 13 13 13-0008	EA 3' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	898.46	65.38
	For Galvanized Steel Door, Add	153.54	
	For Type 304 Stainless Steel Door, Add	614.15	
	For Type 316 Stainless Steel Door, Add	998.00	
	For Embossed Panel Door, Add	184.25	
	For Baked Enamel Finish, Add	249.92	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-48.19	
	For >100, Deduct	-70.65	
	For Polystyrene Core, Add	76.77	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	191.92	
	For Continuously Welded And Filled Vertical Edge Seam, Add	95.96	
08 13 13 13-0009	EA 3'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	956.48	65.38
	For Galvanized Steel Door, Add	165.14	
	For Type 304 Stainless Steel Door, Add	660.57	
	For Type 316 Stainless Steel Door, Add	1,073.42	
	For Embossed Panel Door, Add	198.17	
	For Baked Enamel Finish, Add	267.33	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-51.09	
	For >100, Deduct	-75.01	
	For Polystyrene Core, Add	82.57	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	206.43	
	For Continuously Welded And Filled Vertical Edge Seam, Add	103.21	
08 13 13 13-0010	EA 3'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	984.25	68.11
	For Galvanized Steel Door, Add	169.61	
	For Type 304 Stainless Steel Door, Add	678.42	
	For Type 316 Stainless Steel Door, Add	1,102.44	
	For Embossed Panel Door, Add	203.53	
	For Baked Enamel Finish, Add	274.84	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-52.62	
	For >100, Deduct	-77.22	
	For Polystyrene Core, Add	84.80	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	212.01	
	For Continuously Welded And Filled Vertical Edge Seam, Add	106.00	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0011 EA 4' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	1,084.41	73.56
For Galvanized Steel Door, Add	187.46	
For Type 304 Stainless Steel Door, Add	749.83	
For Type 316 Stainless Steel Door, Add	1,218.48	
For Embossed Panel Door, Add	224.95	
For Baked Enamel Finish, Add	303.26	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-57.90	
For >100, Deduct	-85.01	
For Polystyrene Core, Add	93.73	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	234.32	
For Continuously Welded And Filled Vertical Edge Seam, Add	117.16	
<b>08 13 13 13-0012 7' High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors</b> (08 13 13 13-0001)		
08 13 13 13-0013 EA 2' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	871.68	59.93
For Galvanized Steel Door, Add	150.36	
For Type 304 Stainless Steel Door, Add	601.45	
For Type 316 Stainless Steel Door, Add	977.35	
For Embossed Panel Door, Add	180.43	
For Baked Enamel Finish, Add	243.52	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-46.58	
For >100, Deduct	-68.37	
For Polystyrene Core, Add	75.18	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	187.95	
For Continuously Welded And Filled Vertical Edge Seam, Add	93.98	
08 13 13 13-0014 EA 2'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	871.68	59.93
For Galvanized Steel Door, Add	150.36	
For Type 304 Stainless Steel Door, Add	601.45	
For Type 316 Stainless Steel Door, Add	977.35	
For Embossed Panel Door, Add	180.43	
For Baked Enamel Finish, Add	243.52	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-46.58	
For >100, Deduct	-68.37	
For Polystyrene Core, Add	75.18	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	187.95	
For Continuously Welded And Filled Vertical Edge Seam, Add	93.98	
08 13 13 13-0015 EA 2'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	892.51	62.66
For Galvanized Steel Door, Add	153.44	
For Type 304 Stainless Steel Door, Add	613.75	
For Type 316 Stainless Steel Door, Add	997.35	
For Embossed Panel Door, Add	184.13	
For Baked Enamel Finish, Add	248.96	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-47.76	
For >100, Deduct	-70.07	
For Polystyrene Core, Add	76.72	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	191.80	
For Continuously Welded And Filled Vertical Edge Seam, Add	95.90	
08 13 13 13-0016 EA 2'-8" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	903.96	62.66
For Galvanized Steel Door, Add	155.73	
For Type 304 Stainless Steel Door, Add	622.91	
For Type 316 Stainless Steel Door, Add	1,012.23	
For Embossed Panel Door, Add	186.87	
For Baked Enamel Finish, Add	252.39	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-48.33	
For >100, Deduct	-70.93	
For Polystyrene Core, Add	77.86	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	194.66	
For Continuously Welded And Filled Vertical Edge Seam, Add	97.33	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 13 13 13-0017	EA 2'-10" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	911.26	64.02
	For Galvanized Steel Door, Add	156.64	
	For Type 304 Stainless Steel Door, Add	626.58	
	For Type 316 Stainless Steel Door, Add	1,018.19	
	For Embossed Panel Door, Add	187.97	
	For Baked Enamel Finish, Add	254.17	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-48.76	
	For >100, Deduct	-71.55	
	For Polystyrene Core, Add	78.32	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	195.81	
	For Continuously Welded And Filled Vertical Edge Seam, Add	97.90	
08 13 13 13-0018	EA 3' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	918.57	65.38
	For Galvanized Steel Door, Add	157.56	
	For Type 304 Stainless Steel Door, Add	630.24	
	For Type 316 Stainless Steel Door, Add	1,024.14	
	For Embossed Panel Door, Add	189.07	
	For Baked Enamel Finish, Add	255.96	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-49.20	
	For >100, Deduct	-72.16	
	For Polystyrene Core, Add	78.78	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	196.95	
	For Continuously Welded And Filled Vertical Edge Seam, Add	98.48	
08 13 13 13-0019	EA 3'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	978.11	65.38
	For Galvanized Steel Door, Add	169.47	
	For Type 304 Stainless Steel Door, Add	677.87	
	For Type 316 Stainless Steel Door, Add	1,101.54	
	For Embossed Panel Door, Add	203.36	
	For Baked Enamel Finish, Add	273.82	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-52.17	
	For >100, Deduct	-76.63	
	For Polystyrene Core, Add	84.73	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	211.84	
	For Continuously Welded And Filled Vertical Edge Seam, Add	105.92	
08 13 13 13-0020	EA 3'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	1,006.47	68.11
	For Galvanized Steel Door, Add	174.05	
	For Type 304 Stainless Steel Door, Add	696.20	
	For Type 316 Stainless Steel Door, Add	1,131.33	
	For Embossed Panel Door, Add	208.86	
	For Baked Enamel Finish, Add	281.51	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-53.73	
	For >100, Deduct	-78.89	
	For Polystyrene Core, Add	87.03	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	217.56	
	For Continuously Welded And Filled Vertical Edge Seam, Add	108.78	
08 13 13 13-0021	EA 4' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	1,108.97	73.56
	For Galvanized Steel Door, Add	192.37	
	For Type 304 Stainless Steel Door, Add	769.48	
	For Type 316 Stainless Steel Door, Add	1,250.41	
	For Embossed Panel Door, Add	230.84	
	For Baked Enamel Finish, Add	310.62	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-59.13	
	For >100, Deduct	-86.85	
	For Polystyrene Core, Add	96.19	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	240.46	
	For Continuously Welded And Filled Vertical Edge Seam, Add	120.23	

08 13 13 13-0022 7'-2" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0001)



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0023 EA 2' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	890.33	59.93
For Galvanized Steel Door, Add	154.09	
For Type 304 Stainless Steel Door, Add	616.37	
For Type 316 Stainless Steel Door, Add	1,001.60	
For Embossed Panel Door, Add	184.91	
For Baked Enamel Finish, Add	249.12	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-47.51	
For >100, Deduct	-69.77	
For Polystyrene Core, Add	77.05	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	192.62	
For Continuously Welded And Filled Vertical Edge Seam, Add	96.31	
08 13 13 13-0024 EA 2'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	890.33	59.93
For Galvanized Steel Door, Add	154.09	
For Type 304 Stainless Steel Door, Add	616.37	
For Type 316 Stainless Steel Door, Add	1,001.60	
For Embossed Panel Door, Add	184.91	
For Baked Enamel Finish, Add	249.12	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-47.51	
For >100, Deduct	-69.77	
For Polystyrene Core, Add	77.05	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	192.62	
For Continuously Welded And Filled Vertical Edge Seam, Add	96.31	
08 13 13 13-0025 EA 2'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	911.54	62.66
For Galvanized Steel Door, Add	157.24	
For Type 304 Stainless Steel Door, Add	628.98	
For Type 316 Stainless Steel Door, Add	1,022.09	
For Embossed Panel Door, Add	188.69	
For Baked Enamel Finish, Add	254.66	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-48.71	
For >100, Deduct	-71.50	
For Polystyrene Core, Add	78.62	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	196.56	
For Continuously Welded And Filled Vertical Edge Seam, Add	98.28	
08 13 13 13-0026 EA 2'-8" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	923.27	62.66
For Galvanized Steel Door, Add	159.59	
For Type 304 Stainless Steel Door, Add	638.36	
For Type 316 Stainless Steel Door, Add	1,037.34	
For Embossed Panel Door, Add	191.51	
For Baked Enamel Finish, Add	258.18	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-49.30	
For >100, Deduct	-72.38	
For Polystyrene Core, Add	79.80	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	199.49	
For Continuously Welded And Filled Vertical Edge Seam, Add	99.74	
08 13 13 13-0027 EA 2'-10" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	930.68	64.02
For Galvanized Steel Door, Add	160.53	
For Type 304 Stainless Steel Door, Add	642.11	
For Type 316 Stainless Steel Door, Add	1,043.43	
For Embossed Panel Door, Add	192.63	
For Baked Enamel Finish, Add	260.00	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-49.74	
For >100, Deduct	-73.00	
For Polystyrene Core, Add	80.26	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	200.66	
For Continuously Welded And Filled Vertical Edge Seam, Add	100.33	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 13 13 13-0028	EA 3' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	938.11	65.38
	For Galvanized Steel Door, Add	161.47	
	For Type 304 Stainless Steel Door, Add	645.87	
	For Type 316 Stainless Steel Door, Add	1,049.54	
	For Embossed Panel Door, Add	193.76	
	For Baked Enamel Finish, Add	261.82	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-50.17	
	For >100, Deduct	-73.63	
	For Polystyrene Core, Add	80.73	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	201.84	
	For Continuously Welded And Filled Vertical Edge Seam, Add	100.92	
08 13 13 13-0029	EA 3'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	999.13	65.38
	For Galvanized Steel Door, Add	173.67	
	For Type 304 Stainless Steel Door, Add	694.69	
	For Type 316 Stainless Steel Door, Add	1,128.87	
	For Embossed Panel Door, Add	208.41	
	For Baked Enamel Finish, Add	280.12	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-53.23	
	For >100, Deduct	-78.20	
	For Polystyrene Core, Add	86.84	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	217.09	
	For Continuously Welded And Filled Vertical Edge Seam, Add	108.55	
08 13 13 13-0030	EA 3'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	1,028.05	68.11
	For Galvanized Steel Door, Add	178.37	
	For Type 304 Stainless Steel Door, Add	713.46	
	For Type 316 Stainless Steel Door, Add	1,159.38	
	For Embossed Panel Door, Add	214.04	
	For Baked Enamel Finish, Add	287.98	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-54.81	
	For >100, Deduct	-80.51	
	For Polystyrene Core, Add	89.18	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	222.96	
	For Continuously Welded And Filled Vertical Edge Seam, Add	111.48	
08 13 13 13-0031	EA 4' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	1,132.82	73.56
	For Galvanized Steel Door, Add	197.14	
	For Type 304 Stainless Steel Door, Add	788.56	
	For Type 316 Stainless Steel Door, Add	1,281.41	
	For Embossed Panel Door, Add	236.57	
	For Baked Enamel Finish, Add	317.78	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-60.32	
	For >100, Deduct	-88.64	
	For Polystyrene Core, Add	98.57	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	246.43	
	For Continuously Welded And Filled Vertical Edge Seam, Add	123.21	

08 13 13 13-0032 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13

08 13 13 13-0033 6'-8" High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal  
Doors (08 13 13 13-0032)





<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0034 EA 2' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	911.76	59.93
For Galvanized Steel Door, Add	158.38	
For Type 304 Stainless Steel Door, Add	633.51	
For Type 316 Stainless Steel Door, Add	1,029.46	
For Embossed Panel Door, Add	190.05	
For Baked Enamel Finish, Add	255.55	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-48.58	
For >100, Deduct	-71.38	
For 2" Thick Door, Add	60.41	
For Polystyrene Core, Add	79.19	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	197.97	
For Continuously Welded And Filled Vertical Edge Seam, Add	98.99	
For Steel Stiffened, Add	197.97	
08 13 13 13-0035 EA 2'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	911.76	59.93
For Galvanized Steel Door, Add	158.38	
For Type 304 Stainless Steel Door, Add	633.51	
For Type 316 Stainless Steel Door, Add	1,029.46	
For Embossed Panel Door, Add	190.05	
For Baked Enamel Finish, Add	255.55	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-48.58	
For >100, Deduct	-71.38	
For 2" Thick Door, Add	60.41	
For Polystyrene Core, Add	79.19	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	197.97	
For Continuously Welded And Filled Vertical Edge Seam, Add	98.99	
For Steel Stiffened, Add	197.97	
08 13 13 13-0036 EA 2'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	933.40	62.66
For Galvanized Steel Door, Add	161.62	
For Type 304 Stainless Steel Door, Add	646.46	
For Type 316 Stainless Steel Door, Add	1,050.50	
For Embossed Panel Door, Add	193.94	
For Baked Enamel Finish, Add	261.22	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-49.80	
For >100, Deduct	-73.14	
For 2" Thick Door, Add	61.72	
For Polystyrene Core, Add	80.81	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	202.02	
For Continuously Welded And Filled Vertical Edge Seam, Add	101.01	
For Steel Stiffened, Add	202.02	
08 13 13 13-0037 EA 2'-8" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	945.46	62.66
For Galvanized Steel Door, Add	164.03	
For Type 304 Stainless Steel Door, Add	656.11	
For Type 316 Stainless Steel Door, Add	1,066.18	
For Embossed Panel Door, Add	196.83	
For Baked Enamel Finish, Add	264.84	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-50.41	
For >100, Deduct	-74.04	
For 2" Thick Door, Add	62.59	
For Polystyrene Core, Add	82.01	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	205.04	
For Continuously Welded And Filled Vertical Edge Seam, Add	102.52	
For Steel Stiffened, Add	205.04	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 13 13 13-0038	EA 2'-10" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	952.99	64.02
	For Galvanized Steel Door, Add	164.99	
	For Type 304 Stainless Steel Door, Add	659.96	
	For Type 316 Stainless Steel Door, Add	1,072.44	
	For Embossed Panel Door, Add	197.99	
	For Baked Enamel Finish, Add	266.69	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-50.85	
	For >100, Deduct	-74.68	
	For 2" Thick Door, Add	63.01	
	For Polystyrene Core, Add	82.50	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	206.24	
	For Continuously Welded And Filled Vertical Edge Seam, Add	103.12	
	For Steel Stiffened, Add	206.24	
08 13 13 13-0039	EA 3' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	960.56	65.38
	For Galvanized Steel Door, Add	165.96	
	For Type 304 Stainless Steel Door, Add	663.83	
	For Type 316 Stainless Steel Door, Add	1,078.73	
	For Embossed Panel Door, Add	199.15	
	For Baked Enamel Finish, Add	268.55	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-51.30	
	For >100, Deduct	-75.31	
	For 2" Thick Door, Add	63.43	
	For Polystyrene Core, Add	82.98	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	207.45	
	For Continuously Welded And Filled Vertical Edge Seam, Add	103.72	
	For Steel Stiffened, Add	207.45	
08 13 13 13-0040	EA 3'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,023.28	65.38
	For Galvanized Steel Door, Add	178.50	
	For Type 304 Stainless Steel Door, Add	714.01	
	For Type 316 Stainless Steel Door, Add	1,160.26	
	For Embossed Panel Door, Add	214.20	
	For Baked Enamel Finish, Add	287.37	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-54.43	
	For >100, Deduct	-80.02	
	For 2" Thick Door, Add	67.98	
	For Polystyrene Core, Add	89.25	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	223.13	
	For Continuously Welded And Filled Vertical Edge Seam, Add	111.56	
	For Steel Stiffened, Add	223.13	
08 13 13 13-0041	EA 3'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,052.85	68.11
	For Galvanized Steel Door, Add	183.33	
	For Type 304 Stainless Steel Door, Add	733.30	
	For Type 316 Stainless Steel Door, Add	1,191.62	
	For Embossed Panel Door, Add	219.99	
	For Baked Enamel Finish, Add	295.42	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-56.05	
	For >100, Deduct	-82.37	
	For 2" Thick Door, Add	69.86	
	For Polystyrene Core, Add	91.66	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	229.16	
	For Continuously Welded And Filled Vertical Edge Seam, Add	114.58	
	For Steel Stiffened, Add	229.16	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0042 EA 4' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,160.24	73.56
For Galvanized Steel Door, Add	202.62	
For Type 304 Stainless Steel Door, Add	810.50	
For Type 316 Stainless Steel Door, Add	1,317.06	
For Embossed Panel Door, Add	243.15	
For Baked Enamel Finish, Add	326.00	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-61.69	
For >100, Deduct	-90.70	
For 2" Thick Door, Add	77.13	
For Polystyrene Core, Add	101.31	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	253.28	
For Continuously Welded And Filled Vertical Edge Seam, Add	126.64	
For Steel Stiffened, Add	253.28	
08 13 13 13-0043 7' High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0032)		
08 13 13 13-0044 EA 2' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	930.55	59.93
For Galvanized Steel Door, Add	162.14	
For Type 304 Stainless Steel Door, Add	648.54	
For Type 316 Stainless Steel Door, Add	1,053.88	
For Embossed Panel Door, Add	194.56	
For Baked Enamel Finish, Add	261.18	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-49.52	
For >100, Deduct	-72.79	
For 2" Thick Door, Add	61.77	
For Polystyrene Core, Add	81.07	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	202.67	
For Continuously Welded And Filled Vertical Edge Seam, Add	101.34	
For Steel Stiffened, Add	202.67	
08 13 13 13-0045 EA 2'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	930.55	59.93
For Galvanized Steel Door, Add	162.14	
For Type 304 Stainless Steel Door, Add	648.54	
For Type 316 Stainless Steel Door, Add	1,053.88	
For Embossed Panel Door, Add	194.56	
For Baked Enamel Finish, Add	261.18	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-49.52	
For >100, Deduct	-72.79	
For 2" Thick Door, Add	61.77	
For Polystyrene Core, Add	81.07	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	202.67	
For Continuously Welded And Filled Vertical Edge Seam, Add	101.34	
For Steel Stiffened, Add	202.67	
08 13 13 13-0046 EA 2'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	952.58	62.66
For Galvanized Steel Door, Add	165.45	
For Type 304 Stainless Steel Door, Add	661.81	
For Type 316 Stainless Steel Door, Add	1,075.44	
For Embossed Panel Door, Add	198.54	
For Baked Enamel Finish, Add	266.98	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-50.76	
For >100, Deduct	-74.58	
For 2" Thick Door, Add	63.11	
For Polystyrene Core, Add	82.73	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	206.82	
For Continuously Welded And Filled Vertical Edge Seam, Add	103.41	
For Steel Stiffened, Add	206.82	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 13 13 13-0047	EA 2'-8" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	964.93	62.66
	For Galvanized Steel Door, Add	167.92	
	For Type 304 Stainless Steel Door, Add	671.69	
	For Type 316 Stainless Steel Door, Add	1,091.49	
	For Embossed Panel Door, Add	201.51	
	For Baked Enamel Finish, Add	270.68	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-51.38	
	For >100, Deduct	-75.50	
	For 2" Thick Door, Add	64.00	
	For Polystyrene Core, Add	83.96	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	209.90	
	For Continuously Welded And Filled Vertical Edge Seam, Add	104.95	
	For Steel Stiffened, Add	209.90	
08 13 13 13-0048	EA 2'-10" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	972.59	64.02
	For Galvanized Steel Door, Add	168.91	
	For Type 304 Stainless Steel Door, Add	675.64	
	For Type 316 Stainless Steel Door, Add	1,097.92	
	For Embossed Panel Door, Add	202.69	
	For Baked Enamel Finish, Add	272.57	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-51.83	
	For >100, Deduct	-76.15	
	For 2" Thick Door, Add	64.43	
	For Polystyrene Core, Add	84.46	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	211.14	
	For Continuously Welded And Filled Vertical Edge Seam, Add	105.57	
	For Steel Stiffened, Add	211.14	
08 13 13 13-0049	EA 3' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	980.25	65.38
	For Galvanized Steel Door, Add	169.90	
	For Type 304 Stainless Steel Door, Add	679.58	
	For Type 316 Stainless Steel Door, Add	1,104.32	
	For Embossed Panel Door, Add	203.88	
	For Baked Enamel Finish, Add	274.46	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-52.28	
	For >100, Deduct	-76.79	
	For 2" Thick Door, Add	64.86	
	For Polystyrene Core, Add	84.95	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	212.37	
	For Continuously Welded And Filled Vertical Edge Seam, Add	106.19	
	For Steel Stiffened, Add	212.37	
08 13 13 13-0050	EA 3'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,044.46	65.38
	For Galvanized Steel Door, Add	182.74	
	For Type 304 Stainless Steel Door, Add	730.95	
	For Type 316 Stainless Steel Door, Add	1,187.80	
	For Embossed Panel Door, Add	219.29	
	For Baked Enamel Finish, Add	293.72	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-55.49	
	For >100, Deduct	-81.60	
	For 2" Thick Door, Add	69.51	
	For Polystyrene Core, Add	91.37	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	228.42	
	For Continuously Welded And Filled Vertical Edge Seam, Add	114.21	
	For Steel Stiffened, Add	228.42	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0051 EA 3'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,074.61	68.11
For Galvanized Steel Door, Add	187.68	
For Type 304 Stainless Steel Door, Add	750.71	
For Type 316 Stainless Steel Door, Add	1,219.91	
For Embossed Panel Door, Add	225.21	
For Baked Enamel Finish, Add	301.95	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-57.14	
For >100, Deduct	-84.00	
For 2" Thick Door, Add	71.44	
For Polystyrene Core, Add	93.84	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	234.60	
For Continuously Welded And Filled Vertical Edge Seam, Add	117.30	
For Steel Stiffened, Add	234.60	
08 13 13 13-0052 EA 4' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,184.28	73.56
For Galvanized Steel Door, Add	207.43	
For Type 304 Stainless Steel Door, Add	829.73	
For Type 316 Stainless Steel Door, Add	1,348.31	
For Embossed Panel Door, Add	248.92	
For Baked Enamel Finish, Add	333.22	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-62.89	
For >100, Deduct	-92.50	
For 2" Thick Door, Add	78.87	
For Polystyrene Core, Add	103.72	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	259.29	
For Continuously Welded And Filled Vertical Edge Seam, Add	129.65	
For Steel Stiffened, Add	259.29	
<b>08 13 13 13-0053 7'-2" High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors</b>		
(08 13 13 13-0032)		
08 13 13 13-0054 EA 2' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	949.35	59.93
For Galvanized Steel Door, Add	165.90	
For Type 304 Stainless Steel Door, Add	663.58	
For Type 316 Stainless Steel Door, Add	1,078.32	
For Embossed Panel Door, Add	199.08	
For Baked Enamel Finish, Add	266.82	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-50.46	
For >100, Deduct	-74.20	
For 2" Thick Door, Add	63.13	
For Polystyrene Core, Add	82.95	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	207.37	
For Continuously Welded And Filled Vertical Edge Seam, Add	103.69	
For Steel Stiffened, Add	207.37	
08 13 13 13-0055 EA 2'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	949.35	59.93
For Galvanized Steel Door, Add	165.90	
For Type 304 Stainless Steel Door, Add	663.58	
For Type 316 Stainless Steel Door, Add	1,078.32	
For Embossed Panel Door, Add	199.08	
For Baked Enamel Finish, Add	266.82	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-50.46	
For >100, Deduct	-74.20	
For 2" Thick Door, Add	63.13	
For Polystyrene Core, Add	82.95	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	207.37	
For Continuously Welded And Filled Vertical Edge Seam, Add	103.69	
For Steel Stiffened, Add	207.37	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0056	EA 2'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	971.76	62.66
	For Galvanized Steel Door, Add	169.29	
	For Type 304 Stainless Steel Door, Add	677.15	
	For Type 316 Stainless Steel Door, Add	1,100.37	
	For Embossed Panel Door, Add	203.15	
	For Baked Enamel Finish, Add	272.73	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-51.72	
	For >100, Deduct	-76.02	
	For 2" Thick Door, Add	64.50	
	For Polystyrene Core, Add	84.64	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	211.61	
	For Continuously Welded And Filled Vertical Edge Seam, Add	105.81	
	For Steel Stiffened, Add	211.61	
08 13 13 13-0057	EA 2'-8" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	984.39	62.66
	For Galvanized Steel Door, Add	171.81	
	For Type 304 Stainless Steel Door, Add	687.26	
	For Type 316 Stainless Steel Door, Add	1,116.79	
	For Embossed Panel Door, Add	206.18	
	For Baked Enamel Finish, Add	276.52	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-52.35	
	For >100, Deduct	-76.96	
	For 2" Thick Door, Add	65.42	
	For Polystyrene Core, Add	85.91	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	214.77	
	For Continuously Welded And Filled Vertical Edge Seam, Add	107.38	
	For Steel Stiffened, Add	214.77	
08 13 13 13-0058	EA 3' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	999.95	65.38
	For Galvanized Steel Door, Add	173.84	
	For Type 304 Stainless Steel Door, Add	695.34	
	For Type 316 Stainless Steel Door, Add	1,129.93	
	For Embossed Panel Door, Add	208.60	
	For Baked Enamel Finish, Add	280.37	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-53.27	
	For >100, Deduct	-78.27	
	For 2" Thick Door, Add	66.28	
	For Polystyrene Core, Add	86.92	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	217.30	
	For Continuously Welded And Filled Vertical Edge Seam, Add	108.65	
	For Steel Stiffened, Add	217.30	
08 13 13 13-0059	EA 3'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,065.64	65.38
	For Galvanized Steel Door, Add	186.97	
	For Type 304 Stainless Steel Door, Add	747.90	
	For Type 316 Stainless Steel Door, Add	1,215.33	
	For Embossed Panel Door, Add	224.37	
	For Baked Enamel Finish, Add	300.08	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-56.55	
	For >100, Deduct	-83.19	
	For 2" Thick Door, Add	71.05	
	For Polystyrene Core, Add	93.49	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	233.72	
	For Continuously Welded And Filled Vertical Edge Seam, Add	116.86	
	For Steel Stiffened, Add	233.72	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0060 EA 3'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,096.36	68.11
For Galvanized Steel Door, Add	192.03	
For Type 304 Stainless Steel Door, Add	768.11	
For Type 316 Stainless Steel Door, Add	1,248.18	
For Embossed Panel Door, Add	230.43	
For Baked Enamel Finish, Add	308.48	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-58.22	
For >100, Deduct	-85.63	
For 2" Thick Door, Add	73.02	
For Polystyrene Core, Add	96.01	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	240.04	
For Continuously Welded And Filled Vertical Edge Seam, Add	120.02	
For Steel Stiffened, Add	240.04	
08 13 13 13-0061 EA 4' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,208.33	73.56
For Galvanized Steel Door, Add	212.24	
For Type 304 Stainless Steel Door, Add	848.97	
For Type 316 Stainless Steel Door, Add	1,379.57	
For Embossed Panel Door, Add	254.69	
For Baked Enamel Finish, Add	340.43	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-64.09	
For >100, Deduct	-94.30	
For 2" Thick Door, Add	80.62	
For Polystyrene Core, Add	106.12	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	265.30	
For Continuously Welded And Filled Vertical Edge Seam, Add	132.65	
For Steel Stiffened, Add	265.30	
<b>08 13 13 13-0062 8' High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors</b>		
(08 13 13 13-0032)		
08 13 13 13-0063 EA 2' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,104.37	59.93
For Up To 1' Extra Height, Add	272.41	
For 1' To 1'-6" Extra Height, Add	519.72	
For Galvanized Steel Door, Add	196.90	
For Type 304 Stainless Steel Door, Add	787.60	
For Type 316 Stainless Steel Door, Add	1,279.85	
For Embossed Panel Door, Add	236.28	
For Baked Enamel Finish, Add	313.33	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-58.22	
For >100, Deduct	-85.82	
For 2" Thick Door, Add	74.37	
For Polystyrene Core, Add	98.45	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	246.13	
For Continuously Welded And Filled Vertical Edge Seam, Add	123.06	
For Steel Stiffened, Add	246.13	
08 13 13 13-0064 EA 2'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,104.37	59.93
For Up To 1' Extra Height, Add	272.41	
For 1' To 1'-6" Extra Height, Add	519.72	
For Galvanized Steel Door, Add	196.90	
For Type 304 Stainless Steel Door, Add	787.60	
For Type 316 Stainless Steel Door, Add	1,279.85	
For Embossed Panel Door, Add	236.28	
For Baked Enamel Finish, Add	313.33	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-58.22	
For >100, Deduct	-85.82	
For 2" Thick Door, Add	74.37	
For Polystyrene Core, Add	98.45	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	246.13	
For Continuously Welded And Filled Vertical Edge Seam, Add	123.06	
For Steel Stiffened, Add	246.13	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 13 13 13-0065	EA 2'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,129.96	62.66
	For Up To 1' Extra Height, Add	277.98	
	For 1' To 1'-6" Extra Height, Add	530.35	
	For Galvanized Steel Door, Add	200.93	
	For Type 304 Stainless Steel Door, Add	803.71	
	For Type 316 Stainless Steel Door, Add	1,306.03	
	For Embossed Panel Door, Add	241.11	
	For Baked Enamel Finish, Add	320.19	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-59.63	
	For >100, Deduct	-87.88	
	For 2" Thick Door, Add	75.97	
	For Polystyrene Core, Add	100.46	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	251.16	
	For Continuously Welded And Filled Vertical Edge Seam, Add	125.58	
	For Steel Stiffened, Add	251.16	
08 13 13 13-0066	EA 2'-8" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,144.95	62.66
	For Up To 1' Extra Height, Add	282.13	
	For 1' To 1'-6" Extra Height, Add	538.26	
	For Galvanized Steel Door, Add	203.93	
	For Type 304 Stainless Steel Door, Add	815.70	
	For Type 316 Stainless Steel Door, Add	1,325.52	
	For Embossed Panel Door, Add	244.71	
	For Baked Enamel Finish, Add	324.69	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-60.38	
	For >100, Deduct	-89.00	
	For 2" Thick Door, Add	77.06	
	For Polystyrene Core, Add	101.96	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	254.91	
	For Continuously Welded And Filled Vertical Edge Seam, Add	127.45	
	For Steel Stiffened, Add	254.91	
08 13 13 13-0067	EA 2'-10" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,153.66	64.02
	For Up To 1' Extra Height, Add	283.79	
	For 1' To 1'-6" Extra Height, Add	541.42	
	For Galvanized Steel Door, Add	205.12	
	For Type 304 Stainless Steel Door, Add	820.50	
	For Type 316 Stainless Steel Door, Add	1,333.31	
	For Embossed Panel Door, Add	246.15	
	For Baked Enamel Finish, Add	326.89	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-60.88	
	For >100, Deduct	-89.73	
	For 2" Thick Door, Add	77.56	
	For Polystyrene Core, Add	102.56	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	256.41	
	For Continuously Welded And Filled Vertical Edge Seam, Add	128.20	
	For Steel Stiffened, Add	256.41	
08 13 13 13-0068	EA 3' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,162.39	65.38
	For Up To 1' Extra Height, Add	285.45	
	For 1' To 1'-6" Extra Height, Add	544.59	
	For Galvanized Steel Door, Add	206.32	
	For Type 304 Stainless Steel Door, Add	825.30	
	For Type 316 Stainless Steel Door, Add	1,341.11	
	For Embossed Panel Door, Add	247.59	
	For Baked Enamel Finish, Add	329.10	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-61.39	
	For >100, Deduct	-90.45	
	For 2" Thick Door, Add	78.06	
	For Polystyrene Core, Add	103.16	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	257.91	
	For Continuously Welded And Filled Vertical Edge Seam, Add	128.95	
	For Steel Stiffened, Add	257.91	





<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0069 EA 3'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,240.37	65.38
For Up To 1' Extra Height, Add	307.03	
For 1' To 1'-6" Extra Height, Add	585.76	
For Galvanized Steel Door, Add	221.92	
For Type 304 Stainless Steel Door, Add	887.68	
For Type 316 Stainless Steel Door, Add	1,442.48	
For Embossed Panel Door, Add	266.30	
For Baked Enamel Finish, Add	352.50	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-65.29	
For >100, Deduct	-96.30	
For 2" Thick Door, Add	83.72	
For Polystyrene Core, Add	110.96	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	277.40	
For Continuously Welded And Filled Vertical Edge Seam, Add	138.70	
For Steel Stiffened, Add	277.40	
08 13 13 13-0070 EA 3'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,275.81	68.11
For Up To 1' Extra Height, Add	315.32	
For 1' To 1'-6" Extra Height, Add	601.59	
For Galvanized Steel Door, Add	227.92	
For Type 304 Stainless Steel Door, Add	911.67	
For Type 316 Stainless Steel Door, Add	1,481.47	
For Embossed Panel Door, Add	273.50	
For Baked Enamel Finish, Add	362.31	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-67.20	
For >100, Deduct	-99.09	
For 2" Thick Door, Add	86.03	
For Polystyrene Core, Add	113.96	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	284.90	
For Continuously Welded And Filled Vertical Edge Seam, Add	142.45	
For Steel Stiffened, Add	284.90	
08 13 13 13-0071 EA 4' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,406.66	73.56
For Up To 1' Extra Height, Add	348.51	
For 1' To 1'-6" Extra Height, Add	664.91	
For Galvanized Steel Door, Add	251.91	
For Type 304 Stainless Steel Door, Add	1,007.63	
For Type 316 Stainless Steel Door, Add	1,637.40	
For Embossed Panel Door, Add	302.29	
For Baked Enamel Finish, Add	399.93	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-74.01	
For >100, Deduct	-109.18	
For 2" Thick Door, Add	94.99	
For Polystyrene Core, Add	125.95	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	314.89	
For Continuously Welded And Filled Vertical Edge Seam, Add	157.44	
For Steel Stiffened, Add	314.89	
<b>08 13 13 13-0072 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal</b>		
<b>Doors</b> <small>(08 13 13 13)</small>		
<b>08 13 13 13-0073 6'-8" High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow</b>		
<b>Metal Doors</b> <small>(08 13 13 13-0072)</small>		
08 13 13 13-0074 EA 2' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,216.63	59.93
For 14 Gauge, Level 4 Maximum Duty, Add	438.70	
For Galvanized Steel Door, Add	219.35	
For Type 304 Stainless Steel Door, Add	877.41	
For Type 316 Stainless Steel Door, Add	1,425.79	
For Embossed Panel Door, Add	263.22	
For Baked Enamel Finish, Add	347.01	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-63.83	
For >100, Deduct	-94.24	
For 2" Thick Door, Add	82.51	
For Polystyrene Core, Add	109.68	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	274.19	
For Continuously Welded And Filled Vertical Edge Seam, Add	137.10	
For Steel Stiffened, Add	274.19	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 13 13 13-0075	EA 2'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,216.63	59.93
	For 14 Gauge, Level 4 Maximum Duty, Add	438.70	
	For Galvanized Steel Door, Add	219.35	
	For Type 304 Stainless Steel Door, Add	877.41	
	For Type 316 Stainless Steel Door, Add	1,425.79	
	For Embossed Panel Door, Add	263.22	
	For Baked Enamel Finish, Add	347.01	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-63.83	
	For >100, Deduct	-94.24	
	For 2" Thick Door, Add	82.51	
	For Polystyrene Core, Add	109.68	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	274.19	
	For Continuously Welded And Filled Vertical Edge Seam, Add	137.10	
	For Steel Stiffened, Add	274.19	
08 13 13 13-0076	EA 2'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,244.52	62.66
	For 14 Gauge, Level 4 Maximum Duty, Add	447.68	
	For Galvanized Steel Door, Add	223.84	
	For Type 304 Stainless Steel Door, Add	895.36	
	For Type 316 Stainless Steel Door, Add	1,454.96	
	For Embossed Panel Door, Add	268.61	
	For Baked Enamel Finish, Add	354.56	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-65.36	
	For >100, Deduct	-96.47	
	For 2" Thick Door, Add	84.28	
	For Polystyrene Core, Add	111.92	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	279.80	
	For Continuously Welded And Filled Vertical Edge Seam, Add	139.90	
	For Steel Stiffened, Add	279.80	
08 13 13 13-0077	EA 2'-8" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,261.22	62.66
	For 14 Gauge, Level 4 Maximum Duty, Add	454.36	
	For Galvanized Steel Door, Add	227.18	
	For Type 304 Stainless Steel Door, Add	908.72	
	For Type 316 Stainless Steel Door, Add	1,476.67	
	For Embossed Panel Door, Add	272.62	
	For Baked Enamel Finish, Add	359.57	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-66.19	
	For >100, Deduct	-97.72	
	For 2" Thick Door, Add	85.49	
	For Polystyrene Core, Add	113.59	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	283.98	
	For Continuously Welded And Filled Vertical Edge Seam, Add	141.99	
	For Steel Stiffened, Add	283.98	
08 13 13 13-0078	EA 2'-10" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,270.64	64.02
	For 14 Gauge, Level 4 Maximum Duty, Add	457.04	
	For Galvanized Steel Door, Add	228.52	
	For Type 304 Stainless Steel Door, Add	914.08	
	For Type 316 Stainless Steel Door, Add	1,485.38	
	For Embossed Panel Door, Add	274.22	
	For Baked Enamel Finish, Add	361.99	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-66.73	
	For >100, Deduct	-98.50	
	For 2" Thick Door, Add	86.04	
	For Polystyrene Core, Add	114.26	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	285.65	
	For Continuously Welded And Filled Vertical Edge Seam, Add	142.83	
	For Steel Stiffened, Add	285.65	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0079 EA 3' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,280.04	65.38
For 14 Gauge, Level 4 Maximum Duty, Add	459.71	
For Galvanized Steel Door, Add	229.85	
For Type 304 Stainless Steel Door, Add	919.42	
For Type 316 Stainless Steel Door, Add	1,494.05	
For Embossed Panel Door, Add	275.82	
For Baked Enamel Finish, Add	364.40	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-67.27	
For >100, Deduct	-99.27	
For 2" Thick Door, Add	86.59	
For Polystyrene Core, Add	114.93	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	287.32	
For Continuously Welded And Filled Vertical Edge Seam, Add	143.66	
For Steel Stiffened, Add	287.32	
08 13 13 13-0080 EA 3'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,366.90	65.38
For 14 Gauge, Level 4 Maximum Duty, Add	494.45	
For Galvanized Steel Door, Add	247.23	
For Type 304 Stainless Steel Door, Add	988.90	
For Type 316 Stainless Steel Door, Add	1,606.97	
For Embossed Panel Door, Add	296.67	
For Baked Enamel Finish, Add	390.45	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-71.61	
For >100, Deduct	-105.79	
For 2" Thick Door, Add	92.89	
For Polystyrene Core, Add	123.61	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	309.03	
For Continuously Welded And Filled Vertical Edge Seam, Add	154.52	
For Steel Stiffened, Add	309.03	
08 13 13 13-0081 EA 3'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,405.76	68.11
For 14 Gauge, Level 4 Maximum Duty, Add	507.82	
For Galvanized Steel Door, Add	253.91	
For Type 304 Stainless Steel Door, Add	1,015.63	
For Type 316 Stainless Steel Door, Add	1,650.40	
For Embossed Panel Door, Add	304.69	
For Baked Enamel Finish, Add	401.30	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-73.69	
For >100, Deduct	-108.84	
For 2" Thick Door, Add	95.45	
For Polystyrene Core, Add	126.95	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	317.39	
For Continuously Welded And Filled Vertical Edge Seam, Add	158.69	
For Steel Stiffened, Add	317.39	
08 13 13 13-0082 EA 4' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,550.29	73.56
For 14 Gauge, Level 4 Maximum Duty, Add	561.27	
For Galvanized Steel Door, Add	280.63	
For Type 304 Stainless Steel Door, Add	1,122.54	
For Type 316 Stainless Steel Door, Add	1,824.12	
For Embossed Panel Door, Add	336.76	
For Baked Enamel Finish, Add	443.02	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-81.19	
For >100, Deduct	-119.95	
For 2" Thick Door, Add	105.41	
For Polystyrene Core, Add	140.32	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	350.79	
For Continuously Welded And Filled Vertical Edge Seam, Add	175.40	
For Steel Stiffened, Add	350.79	

08 13 13 13-0083 7' High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0072)

08	<b>08</b>	<b>Openings</b>
	<b>08 10</b>	<b>Doors and Frames</b>
	<b>08 13</b>	<b>Metal Doors</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0084 EA 2' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,242.67	59.93
For 14 Gauge, Level 4 Maximum Duty, Add	449.12	
For Galvanized Steel Door, Add	224.56	
For Type 304 Stainless Steel Door, Add	898.24	
For Type 316 Stainless Steel Door, Add	1,459.64	
For Embossed Panel Door, Add	269.47	
For Baked Enamel Finish, Add	354.82	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-65.13	
For >100, Deduct	-96.20	
For 2" Thick Door, Add	84.40	
For Polystyrene Core, Add	112.28	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	280.70	
For Continuously Welded And Filled Vertical Edge Seam, Add	140.35	
For Steel Stiffened, Add	280.70	
08 13 13 13-0085 EA 2'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,242.67	59.93
For 14 Gauge, Level 4 Maximum Duty, Add	449.12	
For Galvanized Steel Door, Add	224.56	
For Type 304 Stainless Steel Door, Add	898.24	
For Type 316 Stainless Steel Door, Add	1,459.64	
For Embossed Panel Door, Add	269.47	
For Baked Enamel Finish, Add	354.82	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-65.13	
For >100, Deduct	-96.20	
For 2" Thick Door, Add	84.40	
For Polystyrene Core, Add	112.28	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	280.70	
For Continuously Welded And Filled Vertical Edge Seam, Add	140.35	
For Steel Stiffened, Add	280.70	
08 13 13 13-0086 EA 2'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,271.08	62.66
For 14 Gauge, Level 4 Maximum Duty, Add	458.30	
For Galvanized Steel Door, Add	229.15	
For Type 304 Stainless Steel Door, Add	916.61	
For Type 316 Stainless Steel Door, Add	1,489.49	
For Embossed Panel Door, Add	274.98	
For Baked Enamel Finish, Add	362.53	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-66.69	
For >100, Deduct	-98.46	
For 2" Thick Door, Add	86.20	
For Polystyrene Core, Add	114.58	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	286.44	
For Continuously Welded And Filled Vertical Edge Seam, Add	143.22	
For Steel Stiffened, Add	286.44	
08 13 13 13-0087 EA 2'-8" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,288.18	62.66
For 14 Gauge, Level 4 Maximum Duty, Add	465.14	
For Galvanized Steel Door, Add	232.57	
For Type 304 Stainless Steel Door, Add	930.29	
For Type 316 Stainless Steel Door, Add	1,511.72	
For Embossed Panel Door, Add	279.09	
For Baked Enamel Finish, Add	367.66	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-67.54	
For >100, Deduct	-99.75	
For 2" Thick Door, Add	87.44	
For Polystyrene Core, Add	116.29	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	290.72	
For Continuously Welded And Filled Vertical Edge Seam, Add	145.36	
For Steel Stiffened, Add	290.72	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0088 EA 2'-10" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,297.74	64.02
For 14 Gauge, Level 4 Maximum Duty, Add	467.88	
For Galvanized Steel Door, Add	233.94	
For Type 304 Stainless Steel Door, Add	935.76	
For Type 316 Stainless Steel Door, Add	1,520.61	
For Embossed Panel Door, Add	280.73	
For Baked Enamel Finish, Add	370.12	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-68.09	
For >100, Deduct	-100.53	
For 2" Thick Door, Add	88.00	
For Polystyrene Core, Add	116.97	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	292.43	
For Continuously Welded And Filled Vertical Edge Seam, Add	146.21	
For Steel Stiffened, Add	292.43	
08 13 13 13-0089 EA 3' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,307.31	65.38
For 14 Gauge, Level 4 Maximum Duty, Add	470.62	
For Galvanized Steel Door, Add	235.31	
For Type 304 Stainless Steel Door, Add	941.23	
For Type 316 Stainless Steel Door, Add	1,529.50	
For Embossed Panel Door, Add	282.37	
For Baked Enamel Finish, Add	372.58	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-68.63	
For >100, Deduct	-101.32	
For 2" Thick Door, Add	88.57	
For Polystyrene Core, Add	117.65	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	294.14	
For Continuously Welded And Filled Vertical Edge Seam, Add	147.07	
For Steel Stiffened, Add	294.14	
08 13 13 13-0090 EA 3'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,396.23	65.38
For 14 Gauge, Level 4 Maximum Duty, Add	506.18	
For Galvanized Steel Door, Add	253.09	
For Type 304 Stainless Steel Door, Add	1,012.37	
For Type 316 Stainless Steel Door, Add	1,645.10	
For Embossed Panel Door, Add	303.71	
For Baked Enamel Finish, Add	399.25	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-73.08	
For >100, Deduct	-107.99	
For 2" Thick Door, Add	95.02	
For Polystyrene Core, Add	126.55	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	316.37	
For Continuously Welded And Filled Vertical Edge Seam, Add	158.18	
For Steel Stiffened, Add	316.37	
08 13 13 13-0091 EA 3'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,435.88	68.11
For 14 Gauge, Level 4 Maximum Duty, Add	519.86	
For Galvanized Steel Door, Add	259.93	
For Type 304 Stainless Steel Door, Add	1,039.73	
For Type 316 Stainless Steel Door, Add	1,689.56	
For Embossed Panel Door, Add	311.92	
For Baked Enamel Finish, Add	410.33	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-75.20	
For >100, Deduct	-111.10	
For 2" Thick Door, Add	97.63	
For Polystyrene Core, Add	129.97	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	324.92	
For Continuously Welded And Filled Vertical Edge Seam, Add	162.46	
For Steel Stiffened, Add	324.92	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 13 13 13-0092	EA	4' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,583.59	73.56
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	574.59	
		<i>For Galvanized Steel Door, Add</i>	287.29	
		<i>For Type 304 Stainless Steel Door, Add</i>	1,149.18	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,867.41	
		<i>For Embossed Panel Door, Add</i>	344.75	
		<i>For Baked Enamel Finish, Add</i>	453.01	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-82.86	
		<i>For &gt;100, Deduct</i>	-122.45	
		<i>For 2" Thick Door, Add</i>	107.82	
		<i>For Polystyrene Core, Add</i>	143.65	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	359.12	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	179.56	
		<i>For Steel Stiffened, Add</i>	359.12	

**08 13 13 13-0093 7'-2" High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors**

08 13 13 13-0094	EA	2' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,268.70	59.93
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	459.53	
		<i>For Galvanized Steel Door, Add</i>	229.77	
		<i>For Type 304 Stainless Steel Door, Add</i>	919.06	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,493.48	
		<i>For Embossed Panel Door, Add</i>	275.72	
		<i>For Baked Enamel Finish, Add</i>	362.63	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-66.43	
		<i>For &gt;100, Deduct</i>	-98.15	
		<i>For 2" Thick Door, Add</i>	86.29	
		<i>For Polystyrene Core, Add</i>	114.88	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	287.21	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	143.60	
		<i>For Steel Stiffened, Add</i>	287.21	
08 13 13 13-0095	EA	2'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,268.70	59.93
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	459.53	
		<i>For Galvanized Steel Door, Add</i>	229.77	
		<i>For Type 304 Stainless Steel Door, Add</i>	919.06	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,493.48	
		<i>For Embossed Panel Door, Add</i>	275.72	
		<i>For Baked Enamel Finish, Add</i>	362.63	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-66.43	
		<i>For &gt;100, Deduct</i>	-98.15	
		<i>For 2" Thick Door, Add</i>	86.29	
		<i>For Polystyrene Core, Add</i>	114.88	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	287.21	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	143.60	
		<i>For Steel Stiffened, Add</i>	287.21	
08 13 13 13-0096	EA	2'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,297.64	62.66
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	468.93	
		<i>For Galvanized Steel Door, Add</i>	234.46	
		<i>For Type 304 Stainless Steel Door, Add</i>	937.86	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,524.02	
		<i>For Embossed Panel Door, Add</i>	281.36	
		<i>For Baked Enamel Finish, Add</i>	370.49	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-68.02	
		<i>For &gt;100, Deduct</i>	-100.46	
		<i>For 2" Thick Door, Add</i>	88.13	
		<i>For Polystyrene Core, Add</i>	117.23	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	293.08	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	146.54	
		<i>For Steel Stiffened, Add</i>	293.08	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0097 EA 2'-8" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,315.14	62.66
For 14 Gauge, Level 4 Maximum Duty, Add	475.93	
For Galvanized Steel Door, Add	237.96	
For Type 304 Stainless Steel Door, Add	951.86	
For Type 316 Stainless Steel Door, Add	1,546.77	
For Embossed Panel Door, Add	285.56	
For Baked Enamel Finish, Add	375.74	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-68.89	
For >100, Deduct	-101.77	
For 2" Thick Door, Add	89.39	
For Polystyrene Core, Add	118.98	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	297.46	
For Continuously Welded And Filled Vertical Edge Seam, Add	148.73	
For Steel Stiffened, Add	297.46	
08 13 13 13-0098 EA 2'-10" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,324.87	64.02
For 14 Gauge, Level 4 Maximum Duty, Add	478.73	
For Galvanized Steel Door, Add	239.37	
For Type 304 Stainless Steel Door, Add	957.46	
For Type 316 Stainless Steel Door, Add	1,555.88	
For Embossed Panel Door, Add	287.24	
For Baked Enamel Finish, Add	378.26	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-69.44	
For >100, Deduct	-102.57	
For 2" Thick Door, Add	89.97	
For Polystyrene Core, Add	119.68	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	299.21	
For Continuously Welded And Filled Vertical Edge Seam, Add	149.60	
For Steel Stiffened, Add	299.21	
08 13 13 13-0099 EA 3' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,334.58	65.38
For 14 Gauge, Level 4 Maximum Duty, Add	481.52	
For Galvanized Steel Door, Add	240.76	
For Type 304 Stainless Steel Door, Add	963.05	
For Type 316 Stainless Steel Door, Add	1,564.95	
For Embossed Panel Door, Add	288.91	
For Baked Enamel Finish, Add	380.76	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-70.00	
For >100, Deduct	-103.36	
For 2" Thick Door, Add	90.55	
For Polystyrene Core, Add	120.38	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	300.95	
For Continuously Welded And Filled Vertical Edge Seam, Add	150.48	
For Steel Stiffened, Add	300.95	
08 13 13 13-0100 EA 3'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,425.57	65.38
For 14 Gauge, Level 4 Maximum Duty, Add	517.92	
For Galvanized Steel Door, Add	258.96	
For Type 304 Stainless Steel Door, Add	1,035.84	
For Type 316 Stainless Steel Door, Add	1,683.24	
For Embossed Panel Door, Add	310.75	
For Baked Enamel Finish, Add	408.06	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-74.55	
For >100, Deduct	-110.19	
For 2" Thick Door, Add	97.14	
For Polystyrene Core, Add	129.48	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	323.70	
For Continuously Welded And Filled Vertical Edge Seam, Add	161.85	
For Steel Stiffened, Add	323.70	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0101	EA	3'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,466.02	68.11
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	531.92	
			<i>For Galvanized Steel Door, Add</i>	265.96	
			<i>For Type 304 Stainless Steel Door, Add</i>	1,063.84	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,728.74	
			<i>For Embossed Panel Door, Add</i>	319.15	
			<i>For Baked Enamel Finish, Add</i>	419.37	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-76.71	
			<i>For &gt;100, Deduct</i>	-113.36	
			<i>For 2" Thick Door, Add</i>	99.82	
			<i>For Polystyrene Core, Add</i>	132.98	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	332.45	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	166.23	
			<i>For Steel Stiffened, Add</i>	332.45	
08 13 13	13-0102	EA	4' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,616.89	73.56
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	587.91	
			<i>For Galvanized Steel Door, Add</i>	293.95	
			<i>For Type 304 Stainless Steel Door, Add</i>	1,175.82	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,910.70	
			<i>For Embossed Panel Door, Add</i>	352.74	
			<i>For Baked Enamel Finish, Add</i>	463.00	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-84.52	
			<i>For &gt;100, Deduct</i>	-124.94	
			<i>For 2" Thick Door, Add</i>	110.24	
			<i>For Polystyrene Core, Add</i>	146.98	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	367.44	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	183.72	
			<i>For Steel Stiffened, Add</i>	367.44	
08 13 13	13-0103		<b>8' High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors</b> <small>(08 13 13 13-0072)</small>		
08 13 13	13-0104	EA	2' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,483.40	59.93
			<i>For Up To 1' Extra Height, Add</i>	377.29	
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	545.41	
			<i>For Galvanized Steel Door, Add</i>	272.71	
			<i>For Type 304 Stainless Steel Door, Add</i>	1,090.82	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,772.59	
			<i>For Embossed Panel Door, Add</i>	327.25	
			<i>For Baked Enamel Finish, Add</i>	427.04	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-77.17	
			<i>For &gt;100, Deduct</i>	-114.25	
			<i>For 2" Thick Door, Add</i>	101.85	
			<i>For Polystyrene Core, Add</i>	136.35	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	340.88	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	170.44	
			<i>For Steel Stiffened, Add</i>	340.88	
08 13 13	13-0105	EA	2'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,483.40	59.93
			<i>For Up To 1' Extra Height, Add</i>	377.29	
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	545.41	
			<i>For Galvanized Steel Door, Add</i>	272.71	
			<i>For Type 304 Stainless Steel Door, Add</i>	1,090.82	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,772.59	
			<i>For Embossed Panel Door, Add</i>	327.25	
			<i>For Baked Enamel Finish, Add</i>	427.04	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-77.17	
			<i>For &gt;100, Deduct</i>	-114.25	
			<i>For 2" Thick Door, Add</i>	101.85	
			<i>For Polystyrene Core, Add</i>	136.35	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	340.88	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	170.44	
			<i>For Steel Stiffened, Add</i>	340.88	





<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0106 EA 2'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,516.74	62.66
For Up To 1' Extra Height, Add	385.01	
For 14 Gauge, Level 4 Maximum Duty, Add	556.57	
For Galvanized Steel Door, Add	278.28	
For Type 304 Stainless Steel Door, Add	1,113.14	
For Type 316 Stainless Steel Door, Add	1,808.85	
For Embossed Panel Door, Add	333.94	
For Baked Enamel Finish, Add	436.22	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-78.97	
For >100, Deduct	-116.89	
For 2" Thick Door, Add	104.01	
For Polystyrene Core, Add	139.14	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	347.86	
For Continuously Welded And Filled Vertical Edge Seam, Add	173.93	
For Steel Stiffened, Add	347.86	
08 13 13 13-0107 EA 2'-8" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,537.51	62.66
For Up To 1' Extra Height, Add	390.75	
For 14 Gauge, Level 4 Maximum Duty, Add	564.88	
For Galvanized Steel Door, Add	282.44	
For Type 304 Stainless Steel Door, Add	1,129.75	
For Type 316 Stainless Steel Door, Add	1,835.85	
For Embossed Panel Door, Add	338.93	
For Baked Enamel Finish, Add	442.46	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-80.01	
For >100, Deduct	-118.45	
For 2" Thick Door, Add	105.52	
For Polystyrene Core, Add	141.22	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	353.05	
For Continuously Welded And Filled Vertical Edge Seam, Add	176.52	
For Steel Stiffened, Add	353.05	
08 13 13 13-0108 EA 2'-10" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,548.53	64.02
For Up To 1' Extra Height, Add	393.05	
For 14 Gauge, Level 4 Maximum Duty, Add	568.20	
For Galvanized Steel Door, Add	284.10	
For Type 304 Stainless Steel Door, Add	1,136.39	
For Type 316 Stainless Steel Door, Add	1,846.64	
For Embossed Panel Door, Add	340.92	
For Baked Enamel Finish, Add	445.35	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-80.63	
For >100, Deduct	-119.34	
For 2" Thick Door, Add	106.19	
For Polystyrene Core, Add	142.05	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	355.12	
For Continuously Welded And Filled Vertical Edge Seam, Add	177.56	
For Steel Stiffened, Add	355.12	
08 13 13 13-0109 EA 3' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,559.56	65.38
For Up To 1' Extra Height, Add	395.35	
For 14 Gauge, Level 4 Maximum Duty, Add	571.52	
For Galvanized Steel Door, Add	285.76	
For Type 304 Stainless Steel Door, Add	1,143.03	
For Type 316 Stainless Steel Door, Add	1,857.43	
For Embossed Panel Door, Add	342.91	
For Baked Enamel Finish, Add	448.25	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-81.25	
For >100, Deduct	-120.24	
For 2" Thick Door, Add	106.86	
For Polystyrene Core, Add	142.88	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	357.20	
For Continuously Welded And Filled Vertical Edge Seam, Add	178.60	
For Steel Stiffened, Add	357.20	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0110	EA	3'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,667.56	65.38
			For Up To 1' Extra Height, Add	425.23	
			For 14 Gauge, Level 4 Maximum Duty, Add	614.72	
			For Galvanized Steel Door, Add	307.36	
			For Type 304 Stainless Steel Door, Add	1,229.43	
			For Type 316 Stainless Steel Door, Add	1,997.83	
			For Embossed Panel Door, Add	368.83	
			For Baked Enamel Finish, Add	480.65	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-86.65	
			For >100, Deduct	-128.34	
			For 2" Thick Door, Add	114.69	
			For Polystyrene Core, Add	153.68	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	384.20	
			For Continuously Welded And Filled Vertical Edge Seam, Add	192.10	
			For Steel Stiffened, Add	384.20	
08 13 13	13-0111	EA	3'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,714.55	68.11
			For Up To 1' Extra Height, Add	436.72	
			For 1' To 1'-6" Extra Height, Add	833.20	
			For 14 Gauge, Level 4 Maximum Duty, Add	631.33	
			For Galvanized Steel Door, Add	315.67	
			For Type 304 Stainless Steel Door, Add	1,262.66	
			For Type 316 Stainless Steel Door, Add	2,051.83	
			For Embossed Panel Door, Add	378.80	
			For Baked Enamel Finish, Add	493.93	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-89.13	
			For >100, Deduct	-132.00	
			For 2" Thick Door, Add	117.83	
			For Polystyrene Core, Add	157.83	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	394.58	
			For Continuously Welded And Filled Vertical Edge Seam, Add	197.29	
			For Steel Stiffened, Add	394.58	
08 13 13	13-0112	EA	4' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,891.58	73.56
			For Up To 1' Extra Height, Add	482.69	
			For 1' To 1'-6" Extra Height, Add	920.90	
			For 14 Gauge, Level 4 Maximum Duty, Add	697.78	
			For Galvanized Steel Door, Add	348.89	
			For Type 304 Stainless Steel Door, Add	1,395.57	
			For Type 316 Stainless Steel Door, Add	2,267.80	
			For Embossed Panel Door, Add	418.67	
			For Baked Enamel Finish, Add	545.41	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-98.26	
			For >100, Deduct	-145.55	
			For 2" Thick Door, Add	130.15	
			For Polystyrene Core, Add	174.45	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	436.12	
			For Continuously Welded And Filled Vertical Edge Seam, Add	218.06	
			For Steel Stiffened, Add	436.12	
<b>08 13 13 53</b>	<b>Custom Hollow Metal Doors</b> <small>(08 13 13)</small>				
<b>08 13 13 53-0001</b>	<b>Steel 18 Gauge 1-3/4" Unrated Door</b> <small>(08 13 13 53)</small>				
08 13 13 53-0002	EA		2'-2" Or 2'-4" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door.....	2,703.22	136.22
			For 16 Gauge Door, Add	20.30	
08 13 13 53-0003	EA		2'-6" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door.....	2,824.99	163.46
			For 16 Gauge Door, Add	20.30	
<b>08 13 73</b>	<b>Sliding Metal Doors</b> <small>(08 13)</small>				
<b>08 13 73 00-0001</b>	<b>Sliding Bypass Mirror Doors</b> <small>(08 13 73)</small>				
	Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.				
08 13 73 00-0002	EA		4' x 6' 8", Sliding Bypass Mirror Doors .....	370.52	81.73
08 13 73 00-0003	EA		5' x 6' 8", Sliding Bypass Mirror Doors .....	417.42	87.18
08 13 73 00-0004	EA		6' x 6' 8", Sliding Bypass Mirror Doors .....	464.33	92.62
08 13 73 00-0005	EA		8' x 6' 8", Sliding Bypass Mirror Doors .....	547.24	98.07
<b>08 14</b>	<b>Wood Doors</b> <small>(08 10)</small>				
	Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included). See CSI section 08 05 13 00-0040 for mortise preparation, 08 70 00 00-0000 for finish hardware.				



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 14 16 Flush Wood Doors** (08 14)

08 14 16 00-0001 1-3/8" Thick, Hollow Core (HC), Wood Doors (08 14 16)

08 14 16 00-0002 Birch Faced Wood Door (08 14 16 00-0001)

08 14 16 00-0003 EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	290.89	59.93
For >50 To 100, Deduct	-17.54	
For >100, Deduct	-24.81	
08 14 16 00-0004 EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	290.89	59.93
For >50 To 100, Deduct	-17.54	
For >100, Deduct	-24.81	
08 14 16 00-0005 EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	308.47	62.66
For >50 To 100, Deduct	-18.56	
For >100, Deduct	-26.27	
08 14 16 00-0006 EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	317.38	62.66
For >50 To 100, Deduct	-19.00	
For >100, Deduct	-26.94	
08 14 16 00-0007 EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	319.47	62.66
For >50 To 100, Deduct	-19.11	
For >100, Deduct	-27.09	
08 14 16 00-0008 EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	325.98	65.38
For >50 To 100, Deduct	-19.57	
For >100, Deduct	-27.72	
08 14 16 00-0009 EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	345.03	65.38
For >50 To 100, Deduct	-20.52	
For >100, Deduct	-29.15	
08 14 16 00-0010 EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	364.20	68.11
For >50 To 100, Deduct	-21.62	
For >100, Deduct	-30.72	
08 14 16 00-0011 EA 2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	300.86	59.93
For >50 To 100, Deduct	-18.04	
For >100, Deduct	-25.56	
08 14 16 00-0012 EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	300.86	59.93
For >50 To 100, Deduct	-18.04	
For >100, Deduct	-25.56	
08 14 16 00-0013 EA 2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	319.14	62.66
For >50 To 100, Deduct	-19.09	
For >100, Deduct	-27.07	
08 14 16 00-0014 EA 2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	328.57	62.66
For >50 To 100, Deduct	-19.56	
For >100, Deduct	-27.78	
08 14 16 00-0015 EA 2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	330.78	62.66
For >50 To 100, Deduct	-19.67	
For >100, Deduct	-27.94	
08 14 16 00-0016 EA 3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	337.33	65.38
For >50 To 100, Deduct	-20.14	
For >100, Deduct	-28.57	
08 14 16 00-0017 EA 3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	357.50	65.38
For >50 To 100, Deduct	-21.14	
For >100, Deduct	-30.08	
08 14 16 00-0018 EA 3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	377.46	68.11
For >50 To 100, Deduct	-22.28	
For >100, Deduct	-31.72	
08 14 16 00-0019 EA 2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	336.15	59.93
For >50 To 100, Deduct	-19.80	
For >100, Deduct	-28.21	
For 9' Door Height, Add	45.42	
08 14 16 00-0020 EA 2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	336.15	59.93
For >50 To 100, Deduct	-19.80	
For >100, Deduct	-28.21	
For 9' Door Height, Add	45.42	
08 14 16 00-0021 EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	356.94	62.66
For >50 To 100, Deduct	-20.98	
For >100, Deduct	-29.90	
For 9' Door Height, Add	48.64	
08 14 16 00-0022 EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	368.19	62.66
For >50 To 100, Deduct	-21.54	
For >100, Deduct	-30.75	
For 9' Door Height, Add	51.00	
08 14 16 00-0023 EA 2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	370.84	62.66
For >50 To 100, Deduct	-21.68	
For >100, Deduct	-30.95	
For 9' Door Height, Add	51.56	
08 14 16 00-0024 EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	377.60	65.38
For >50 To 100, Deduct	-22.15	
For >100, Deduct	-31.59	
For 9' Door Height, Add	51.83	
08 14 16 00-0025 EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	401.71	65.38
For >50 To 100, Deduct	-23.35	
For >100, Deduct	-33.40	
For 9' Door Height, Add	56.90	
08 14 16 00-0026 EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	424.49	68.11
For >50 To 100, Deduct	-24.63	
For >100, Deduct	-35.24	
For 9' Door Height, Add	60.54	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0027	<b>Oak Faced Wood Door</b> <small>(08 14 16 00-0001)</small>		
08 14 16 00-0028	EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	331.41	59.93
	For >50 To 100, Deduct	-19.57	
	For >100, Deduct	-27.85	
08 14 16 00-0029	EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	331.41	59.93
	For >50 To 100, Deduct	-19.57	
	For >100, Deduct	-27.85	
08 14 16 00-0030	EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	351.85	62.66
	For >50 To 100, Deduct	-20.73	
	For >100, Deduct	-29.52	
08 14 16 00-0031	EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	362.88	62.66
	For >50 To 100, Deduct	-21.28	
	For >100, Deduct	-30.35	
08 14 16 00-0032	EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	364.83	62.66
	For >50 To 100, Deduct	-21.37	
	For >100, Deduct	-30.50	
08 14 16 00-0033	EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	372.22	65.38
	For >50 To 100, Deduct	-21.88	
	For >100, Deduct	-31.19	
08 14 16 00-0034	EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	395.77	65.38
	For >50 To 100, Deduct	-23.06	
	For >100, Deduct	-32.95	
08 14 16 00-0035	EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	418.19	68.11
	For >50 To 100, Deduct	-24.32	
	For >100, Deduct	-34.77	
08 14 16 00-0036	EA 2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	343.72	59.93
	For >50 To 100, Deduct	-20.18	
	For >100, Deduct	-28.78	
08 14 16 00-0037	EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	343.72	59.93
	For >50 To 100, Deduct	-20.18	
	For >100, Deduct	-28.78	
08 14 16 00-0038	EA 2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	365.04	62.66
	For >50 To 100, Deduct	-21.39	
	For >100, Deduct	-30.51	
08 14 16 00-0039	EA 2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	376.71	62.66
	For >50 To 100, Deduct	-21.97	
	For >100, Deduct	-31.39	
08 14 16 00-0040	EA 2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	378.76	62.66
	For >50 To 100, Deduct	-22.07	
	For >100, Deduct	-31.54	
08 14 16 00-0041	EA 3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	386.26	65.38
	For >50 To 100, Deduct	-22.58	
	For >100, Deduct	-32.24	
08 14 16 00-0042	EA 3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	411.19	65.38
	For >50 To 100, Deduct	-23.83	
	For >100, Deduct	-34.11	
08 14 16 00-0043	EA 3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	434.60	68.11
	For >50 To 100, Deduct	-25.14	
	For >100, Deduct	-36.00	
08 14 16 00-0044	EA 2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	387.38	59.93
	For >50 To 100, Deduct	-22.37	
	For >100, Deduct	-32.05	
	For 9' Door Height, Add	56.18	
08 14 16 00-0045	EA 2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	387.38	59.93
	For >50 To 100, Deduct	-22.37	
	For >100, Deduct	-32.05	
	For 9' Door Height, Add	56.18	
08 14 16 00-0046	EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	411.78	62.66
	For >50 To 100, Deduct	-23.72	
	For >100, Deduct	-34.02	
	For 9' Door Height, Add	60.16	
08 14 16 00-0047	EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	425.71	62.66
	For >50 To 100, Deduct	-24.42	
	For >100, Deduct	-35.06	
	For 9' Door Height, Add	63.08	
08 14 16 00-0048	EA 2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	428.19	62.66
	For >50 To 100, Deduct	-24.54	
	For >100, Deduct	-35.25	
	For 9' Door Height, Add	63.60	
08 14 16 00-0049	EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	436.08	65.38
	For >50 To 100, Deduct	-25.07	
	For >100, Deduct	-35.98	
	For 9' Door Height, Add	64.12	
08 14 16 00-0050	EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	465.88	65.38
	For >50 To 100, Deduct	-26.56	
	For >100, Deduct	-38.21	
	For 9' Door Height, Add	70.37	
08 14 16 00-0051	EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	492.80	68.11
	For >50 To 100, Deduct	-28.05	
	For >100, Deduct	-40.37	
	For 9' Door Height, Add	74.88	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 14 16 00-0052</b>				<b>Maple Faced Wood Door</b> <small>(08 14 16 00-0001)</small>		
08 14 16 00-0053	EA			2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 373.73	373.73	59.93
				<i>For &gt;50 To 100, Deduct</i>	-21.68	
				<i>For &gt;100, Deduct</i>	-31.03	
08 14 16 00-0054	EA			2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 373.73	373.73	59.93
				<i>For &gt;50 To 100, Deduct</i>	-21.68	
				<i>For &gt;100, Deduct</i>	-31.03	
08 14 16 00-0055	EA			2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 397.14	397.14	62.66
				<i>For &gt;50 To 100, Deduct</i>	-22.99	
				<i>For &gt;100, Deduct</i>	-32.92	
08 14 16 00-0056	EA			2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 410.40	410.40	62.66
				<i>For &gt;50 To 100, Deduct</i>	-23.65	
				<i>For &gt;100, Deduct</i>	-33.91	
08 14 16 00-0057	EA			2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 412.74	412.74	62.66
				<i>For &gt;50 To 100, Deduct</i>	-23.77	
				<i>For &gt;100, Deduct</i>	-34.09	
08 14 16 00-0058	EA			3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 420.52	420.52	65.38
				<i>For &gt;50 To 100, Deduct</i>	-24.30	
				<i>For &gt;100, Deduct</i>	-34.81	
08 14 16 00-0059	EA			3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 448.77	448.77	65.38
				<i>For &gt;50 To 100, Deduct</i>	-25.71	
				<i>For &gt;100, Deduct</i>	-36.93	
08 14 16 00-0060	EA			3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 474.59	474.59	68.11
				<i>For &gt;50 To 100, Deduct</i>	-27.14	
				<i>For &gt;100, Deduct</i>	-39.00	
08 14 16 00-0061	EA			2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 388.48	388.48	59.93
				<i>For &gt;50 To 100, Deduct</i>	-22.42	
				<i>For &gt;100, Deduct</i>	-32.13	
08 14 16 00-0062	EA			2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 388.48	388.48	59.93
				<i>For &gt;50 To 100, Deduct</i>	-22.42	
				<i>For &gt;100, Deduct</i>	-32.13	
08 14 16 00-0063	EA			2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 412.98	412.98	62.66
				<i>For &gt;50 To 100, Deduct</i>	-23.78	
				<i>For &gt;100, Deduct</i>	-34.11	
08 14 16 00-0064	EA			2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 426.99	426.99	62.66
				<i>For &gt;50 To 100, Deduct</i>	-24.48	
				<i>For &gt;100, Deduct</i>	-35.16	
08 14 16 00-0065	EA			2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 429.46	429.46	62.66
				<i>For &gt;50 To 100, Deduct</i>	-24.61	
				<i>For &gt;100, Deduct</i>	-35.34	
08 14 16 00-0066	EA			3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 437.35	437.35	65.38
				<i>For &gt;50 To 100, Deduct</i>	-25.14	
				<i>For &gt;100, Deduct</i>	-36.07	
08 14 16 00-0067	EA			3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 467.26	467.26	65.38
				<i>For &gt;50 To 100, Deduct</i>	-26.63	
				<i>For &gt;100, Deduct</i>	-38.31	
08 14 16 00-0068	EA			3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 494.28	494.28	68.11
				<i>For &gt;50 To 100, Deduct</i>	-28.12	
				<i>For &gt;100, Deduct</i>	-40.48	
08 14 16 00-0069	EA			2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 440.88	440.88	59.93
				<i>For &gt;50 To 100, Deduct</i>	-25.04	
				<i>For &gt;100, Deduct</i>	-36.06	
				<i>For 9' Door Height, Add</i>	67.41	
08 14 16 00-0070	EA			2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 440.88	440.88	59.93
				<i>For &gt;50 To 100, Deduct</i>	-25.04	
				<i>For &gt;100, Deduct</i>	-36.06	
				<i>For 9' Door Height, Add</i>	67.41	
08 14 16 00-0071	EA			2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 469.06	469.06	62.66
				<i>For &gt;50 To 100, Deduct</i>	-26.59	
				<i>For &gt;100, Deduct</i>	-38.31	
				<i>For 9' Door Height, Add</i>	72.19	
08 14 16 00-0072	EA			2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 485.78	485.78	62.66
				<i>For &gt;50 To 100, Deduct</i>	-27.42	
				<i>For &gt;100, Deduct</i>	-39.57	
				<i>For 9' Door Height, Add</i>	75.70	
08 14 16 00-0073	EA			2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 488.75	488.75	62.66
				<i>For &gt;50 To 100, Deduct</i>	-27.57	
				<i>For &gt;100, Deduct</i>	-39.79	
				<i>For 9' Door Height, Add</i>	76.32	
08 14 16 00-0074	EA			3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 497.14	497.14	65.38
				<i>For &gt;50 To 100, Deduct</i>	-28.13	
				<i>For &gt;100, Deduct</i>	-40.55	
				<i>For 9' Door Height, Add</i>	76.94	
08 14 16 00-0075	EA			3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 532.92	532.92	65.38
				<i>For &gt;50 To 100, Deduct</i>	-29.92	
				<i>For &gt;100, Deduct</i>	-43.24	
				<i>For 9' Door Height, Add</i>	84.45	
08 14 16 00-0076	EA			3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door ..... 564.11	564.11	68.11
				<i>For &gt;50 To 100, Deduct</i>	-31.61	
				<i>For &gt;100, Deduct</i>	-45.71	
				<i>For 9' Door Height, Add</i>	89.86	
<b>08 14 16 00-0077</b>				<b>Lauan Faced Wood Doors</b> <small>(08 14 16 00-0001)</small>		

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors and Frames</b>
<b>08 14</b>	<b>Wood Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0078	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	247.76	59.93
			<i>For &gt;50 To 100, Deduct</i>	-15.38	
			<i>For &gt;100, Deduct</i>	-21.58	
08 14 16 00-0079	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	247.76	59.93
			<i>For &gt;50 To 100, Deduct</i>	-15.38	
			<i>For &gt;100, Deduct</i>	-21.58	
08 14 16 00-0080	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	261.87	62.66
			<i>For &gt;50 To 100, Deduct</i>	-16.23	
			<i>For &gt;100, Deduct</i>	-22.77	
08 14 16 00-0081	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	269.19	62.66
			<i>For &gt;50 To 100, Deduct</i>	-16.59	
			<i>For &gt;100, Deduct</i>	-23.32	
08 14 16 00-0082	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	271.77	62.66
			<i>For &gt;50 To 100, Deduct</i>	-16.72	
			<i>For &gt;100, Deduct</i>	-23.52	
08 14 16 00-0083	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	279.80	65.38
			<i>For &gt;50 To 100, Deduct</i>	-17.26	
			<i>For &gt;100, Deduct</i>	-24.25	
08 14 16 00-0084	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	294.05	65.38
			<i>For &gt;50 To 100, Deduct</i>	-17.97	
			<i>For &gt;100, Deduct</i>	-25.32	
08 14 16 00-0085	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	309.96	68.11
			<i>For &gt;50 To 100, Deduct</i>	-18.90	
			<i>For &gt;100, Deduct</i>	-26.65	
08 14 16 00-0086	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	255.19	59.93
			<i>For &gt;50 To 100, Deduct</i>	-15.76	
			<i>For &gt;100, Deduct</i>	-22.14	
08 14 16 00-0087	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	255.18	59.93
			<i>For &gt;50 To 100, Deduct</i>	-15.76	
			<i>For &gt;100, Deduct</i>	-22.14	
08 14 16 00-0088	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	269.82	62.66
			<i>For &gt;50 To 100, Deduct</i>	-16.62	
			<i>For &gt;100, Deduct</i>	-23.37	
08 14 16 00-0089	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	277.56	62.66
			<i>For &gt;50 To 100, Deduct</i>	-17.01	
			<i>For &gt;100, Deduct</i>	-23.95	
08 14 16 00-0090	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	280.29	62.66
			<i>For &gt;50 To 100, Deduct</i>	-17.15	
			<i>For &gt;100, Deduct</i>	-24.15	
08 14 16 00-0091	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	288.47	65.38
			<i>For &gt;50 To 100, Deduct</i>	-17.69	
			<i>For &gt;100, Deduct</i>	-24.90	
08 14 16 00-0092	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	303.55	65.38
			<i>For &gt;50 To 100, Deduct</i>	-18.45	
			<i>For &gt;100, Deduct</i>	-26.04	
08 14 16 00-0093	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	320.06	68.11
			<i>For &gt;50 To 100, Deduct</i>	-19.41	
			<i>For &gt;100, Deduct</i>	-27.41	
08 14 16 00-0094	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	281.59	59.93
			<i>For &gt;50 To 100, Deduct</i>	-17.08	
			<i>For &gt;100, Deduct</i>	-24.12	
			<i>For 9' Door Height, Add</i>	33.96	
08 14 16 00-0095	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	281.56	59.93
			<i>For &gt;50 To 100, Deduct</i>	-17.07	
			<i>For &gt;100, Deduct</i>	-24.11	
			<i>For 9' Door Height, Add</i>	33.95	
08 14 16 00-0096	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	298.00	62.66
			<i>For &gt;50 To 100, Deduct</i>	-18.03	
			<i>For &gt;100, Deduct</i>	-25.48	
			<i>For 9' Door Height, Add</i>	36.26	
08 14 16 00-0097	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	307.23	62.66
			<i>For &gt;50 To 100, Deduct</i>	-18.49	
			<i>For &gt;100, Deduct</i>	-26.18	
			<i>For 9' Door Height, Add</i>	38.20	
08 14 16 00-0098	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	310.52	62.66
			<i>For &gt;50 To 100, Deduct</i>	-18.66	
			<i>For &gt;100, Deduct</i>	-26.42	
			<i>For 9' Door Height, Add</i>	38.89	
08 14 16 00-0099	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	319.22	65.38
			<i>For &gt;50 To 100, Deduct</i>	-19.23	
			<i>For &gt;100, Deduct</i>	-27.21	
			<i>For 9' Door Height, Add</i>	39.57	
08 14 16 00-0100	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	337.25	65.38
			<i>For &gt;50 To 100, Deduct</i>	-20.13	
			<i>For &gt;100, Deduct</i>	-28.56	
			<i>For 9' Door Height, Add</i>	43.36	
08 14 16 00-0101	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	355.89	68.11
			<i>For &gt;50 To 100, Deduct</i>	-21.20	
			<i>For &gt;100, Deduct</i>	-30.10	
			<i>For 9' Door Height, Add</i>	46.13	

08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0001)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0103	EA			2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	251.22 -15.56 -21.84	59.93
08 14 16 00-0104	EA			2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	251.22 -15.56 -21.84	59.93
08 14 16 00-0105	EA			2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	266.25 -16.45 -23.10	62.66
08 14 16 00-0106	EA			2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	270.78 -16.67 -23.44	62.66
08 14 16 00-0107	EA			2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	275.34 -16.90 -23.78	62.66
08 14 16 00-0108	EA			3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	285.32 -17.54 -24.67	65.38
08 14 16 00-0109	EA			3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	302.32 -18.39 -25.94	65.38
08 14 16 00-0110	EA			3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	318.73 -19.34 -27.31	68.11
08 14 16 00-0111	EA			2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	258.86 -15.94 -22.41	59.93
08 14 16 00-0112	EA			2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	258.86 -15.94 -22.41	59.93
08 14 16 00-0113	EA			2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	274.44 -16.86 -23.72	62.66
08 14 16 00-0114	EA			2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	279.25 -17.10 -24.08	62.66
08 14 16 00-0115	EA			2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	284.07 -17.34 -24.44	62.66
08 14 16 00-0116	EA			3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	294.32 -17.99 -25.34	65.38
08 14 16 00-0117	EA			3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	312.31 -18.88 -26.69	65.38
08 14 16 00-0118	EA			3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	329.36 -19.87 -28.11	68.11
08 14 16 00-0119	EA			2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	285.94 -17.29 -24.44 34.87	59.93
08 14 16 00-0120	EA			2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	285.98 -17.30 -24.45 34.88	59.93
08 14 16 00-0121	EA			2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	303.52 -18.31 -25.90 37.42	62.66
08 14 16 00-0122	EA			2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	309.28 -18.60 -26.33 38.63	62.66
08 14 16 00-0123	EA			2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	315.05 -18.89 -26.76 39.84	62.66
08 14 16 00-0124	EA			3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	326.22 -19.58 -27.74 41.04	65.38
08 14 16 00-0125	EA			3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	347.72 -20.66 -29.35 45.56	65.38
08 14 16 00-0126	EA			3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	367.03 -21.76 -30.93 48.47	68.11
08 14 16 00-0127				1-3/4" Thick, Hollow Core (HC), Wood Doors <small>(08 14 16)</small>		
08 14 16 00-0128				Birch Faced Wood Doors <small>(08 14 16 00-0127)</small>		

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0129	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	333.64	59.93
			<i>For &gt;50 To 100, Deduct</i>	-19.68	
			<i>For &gt;100, Deduct</i>	-28.02	
08 14 16 00-0130	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	333.64	59.93
			<i>For &gt;50 To 100, Deduct</i>	-19.68	
			<i>For &gt;100, Deduct</i>	-28.02	
08 14 16 00-0131	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	347.15	62.66
			<i>For &gt;50 To 100, Deduct</i>	-20.49	
			<i>For &gt;100, Deduct</i>	-29.17	
08 14 16 00-0132	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	350.16	62.66
			<i>For &gt;50 To 100, Deduct</i>	-20.64	
			<i>For &gt;100, Deduct</i>	-29.40	
08 14 16 00-0133	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	356.73	62.66
			<i>For &gt;50 To 100, Deduct</i>	-20.97	
			<i>For &gt;100, Deduct</i>	-29.89	
08 14 16 00-0134	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	368.76	65.38
			<i>For &gt;50 To 100, Deduct</i>	-21.71	
			<i>For &gt;100, Deduct</i>	-30.93	
08 14 16 00-0135	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	403.66	65.38
			<i>For &gt;50 To 100, Deduct</i>	-23.45	
			<i>For &gt;100, Deduct</i>	-33.54	
08 14 16 00-0136	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	479.93	68.11
			<i>For &gt;50 To 100, Deduct</i>	-27.40	
			<i>For &gt;100, Deduct</i>	-39.40	
08 14 16 00-0137	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	497.11	68.11
			<i>For &gt;50 To 100, Deduct</i>	-28.26	
			<i>For &gt;100, Deduct</i>	-40.69	
08 14 16 00-0138	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	531.48	68.11
			<i>For &gt;50 To 100, Deduct</i>	-29.98	
			<i>For &gt;100, Deduct</i>	-43.27	
08 14 16 00-0139	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	346.09	59.93
			<i>For &gt;50 To 100, Deduct</i>	-20.30	
			<i>For &gt;100, Deduct</i>	-28.95	
08 14 16 00-0140	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	346.08	59.93
			<i>For &gt;50 To 100, Deduct</i>	-20.30	
			<i>For &gt;100, Deduct</i>	-28.95	
08 14 16 00-0141	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	360.06	62.66
			<i>For &gt;50 To 100, Deduct</i>	-21.14	
			<i>For &gt;100, Deduct</i>	-30.14	
08 14 16 00-0142	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	363.24	62.66
			<i>For &gt;50 To 100, Deduct</i>	-21.30	
			<i>For &gt;100, Deduct</i>	-30.38	
08 14 16 00-0143	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	370.20	62.66
			<i>For &gt;50 To 100, Deduct</i>	-21.64	
			<i>For &gt;100, Deduct</i>	-30.90	
08 14 16 00-0144	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	382.60	65.38
			<i>For &gt;50 To 100, Deduct</i>	-22.40	
			<i>For &gt;100, Deduct</i>	-31.96	
08 14 16 00-0145	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	419.54	65.38
			<i>For &gt;50 To 100, Deduct</i>	-24.25	
			<i>For &gt;100, Deduct</i>	-34.73	
08 14 16 00-0146	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	499.94	68.11
			<i>For &gt;50 To 100, Deduct</i>	-28.40	
			<i>For &gt;100, Deduct</i>	-40.90	
08 14 16 00-0147	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	518.11	68.11
			<i>For &gt;50 To 100, Deduct</i>	-29.31	
			<i>For &gt;100, Deduct</i>	-42.26	
08 14 16 00-0148	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	554.49	68.11
			<i>For &gt;50 To 100, Deduct</i>	-31.13	
			<i>For &gt;100, Deduct</i>	-44.99	
08 14 16 00-0149	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	390.21	59.93
			<i>For &gt;50 To 100, Deduct</i>	-22.51	
			<i>For &gt;100, Deduct</i>	-32.26	
			<i>For 9' Door Height, Add</i>	56.77	
08 14 16 00-0150	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	390.21	59.93
			<i>For &gt;50 To 100, Deduct</i>	-22.51	
			<i>For &gt;100, Deduct</i>	-32.26	
			<i>For 9' Door Height, Add</i>	56.77	
08 14 16 00-0151	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	405.84	62.66
			<i>For &gt;50 To 100, Deduct</i>	-23.43	
			<i>For &gt;100, Deduct</i>	-33.57	
			<i>For 9' Door Height, Add</i>	58.91	
08 14 16 00-0152	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	409.63	62.66
			<i>For &gt;50 To 100, Deduct</i>	-23.61	
			<i>For &gt;100, Deduct</i>	-33.86	
			<i>For 9' Door Height, Add</i>	59.71	
08 14 16 00-0153	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	417.97	62.66
			<i>For &gt;50 To 100, Deduct</i>	-24.03	
			<i>For &gt;100, Deduct</i>	-34.48	
			<i>For 9' Door Height, Add</i>	61.46	
08 14 16 00-0154	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	431.69	65.38
			<i>For &gt;50 To 100, Deduct</i>	-24.85	
			<i>For &gt;100, Deduct</i>	-35.65	
			<i>For 9' Door Height, Add</i>	63.19	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0155	EA			3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	475.85 -27.06 -38.96 72.47	65.38
08 14 16 00-0156	EA			3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	570.86 -31.95 -46.22 91.27	68.11
08 14 16 00-0157	EA			3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	592.57 -33.03 -47.85 95.83	68.11
08 14 16 00-0158	EA			4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	636.06 -35.21 -51.11 104.97	68.11
<b>08 14 16 00-0159 Oak Faced Wood Doors</b> <small>(08 14 16 00-0127)</small>						
08 14 16 00-0160	EA			2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	401.17 -23.06 -33.08	59.93
08 14 16 00-0161	EA			2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	401.17 -23.06 -33.08	59.93
08 14 16 00-0162	EA			2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	417.19 -23.99 -34.42	62.66
08 14 16 00-0163	EA			2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	421.15 -24.19 -34.72	62.66
08 14 16 00-0164	EA			2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	429.81 -24.62 -35.37	62.66
08 14 16 00-0165	EA			3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	443.89 -25.46 -36.56	65.38
08 14 16 00-0166	EA			3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	489.82 -27.76 -40.01	65.38
08 14 16 00-0167	EA			3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	588.47 -32.83 -47.54	68.11
08 14 16 00-0168	EA			3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	611.10 -33.96 -49.24	68.11
08 14 16 00-0169	EA			4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	656.36 -36.22 -52.63	68.11
08 14 16 00-0170	EA			2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	417.53 -23.87 -34.31	59.93
08 14 16 00-0171	EA			2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	417.54 -23.87 -34.31	59.93
08 14 16 00-0172	EA			2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	434.18 -24.84 -35.70	62.66
08 14 16 00-0173	EA			2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	438.37 -25.05 -36.01	62.66
08 14 16 00-0174	EA			2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	447.53 -25.51 -36.70	62.66
08 14 16 00-0175	EA			3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	462.11 -26.37 -37.93	65.38
08 14 16 00-0176	EA			3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	510.72 -28.81 -41.57	65.38
08 14 16 00-0177	EA			3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	614.80 -34.15 -49.52	68.11
08 14 16 00-0178	EA			3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	638.75 -35.34 -51.31	68.11
08 14 16 00-0179	EA			4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	686.62 -37.74 -54.90	68.11
08 14 16 00-0180	EA			2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	475.56 -26.77 -38.66 74.69	59.93

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0181	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....	475.60	59.93
			<i>For &gt;50 To 100, Deduct</i>	-26.78	
			<i>For &gt;100, Deduct</i>	-38.67	
			<i>For 9' Door Height, Add</i>	74.70	
08 14 16 00-0182	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....	494.41	62.66
			<i>For &gt;50 To 100, Deduct</i>	-27.85	
			<i>For &gt;100, Deduct</i>	-40.21	
			<i>For 9' Door Height, Add</i>	77.51	
08 14 16 00-0183	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....	499.40	62.66
			<i>For &gt;50 To 100, Deduct</i>	-28.10	
			<i>For &gt;100, Deduct</i>	-40.59	
			<i>For 9' Door Height, Add</i>	78.56	
08 14 16 00-0184	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....	510.36	62.66
			<i>For &gt;50 To 100, Deduct</i>	-28.65	
			<i>For &gt;100, Deduct</i>	-41.41	
			<i>For 9' Door Height, Add</i>	80.86	
08 14 16 00-0185	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....	526.73	65.38
			<i>For &gt;50 To 100, Deduct</i>	-29.61	
			<i>For &gt;100, Deduct</i>	-42.77	
			<i>For 9' Door Height, Add</i>	83.15	
08 14 16 00-0186	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....	584.82	65.38
			<i>For &gt;50 To 100, Deduct</i>	-32.51	
			<i>For &gt;100, Deduct</i>	-47.13	
			<i>For 9' Door Height, Add</i>	95.35	
08 14 16 00-0187	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....	708.12	68.11
			<i>For &gt;50 To 100, Deduct</i>	-38.81	
			<i>For &gt;100, Deduct</i>	-56.51	
			<i>For 9' Door Height, Add</i>	120.10	
08 14 16 00-0188	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....	736.76	68.11
			<i>For &gt;50 To 100, Deduct</i>	-40.24	
			<i>For &gt;100, Deduct</i>	-58.66	
			<i>For 9' Door Height, Add</i>	126.11	
08 14 16 00-0189	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....	793.97	68.11
			<i>For &gt;50 To 100, Deduct</i>	-43.10	
			<i>For &gt;100, Deduct</i>	-62.95	
			<i>For 9' Door Height, Add</i>	138.13	
<b>08 14 16 00-0190</b>			<b>Maple Faced Wood Doors</b> <small>(08 14 16 00-0127)</small>		
08 14 16 00-0191	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	457.42	59.93
			<i>For &gt;50 To 100, Deduct</i>	-25.87	
			<i>For &gt;100, Deduct</i>	-37.30	
08 14 16 00-0192	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	457.42	59.93
			<i>For &gt;50 To 100, Deduct</i>	-25.87	
			<i>For &gt;100, Deduct</i>	-37.30	
08 14 16 00-0193	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	475.57	62.66
			<i>For &gt;50 To 100, Deduct</i>	-26.91	
			<i>For &gt;100, Deduct</i>	-38.80	
08 14 16 00-0194	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	480.52	62.66
			<i>For &gt;50 To 100, Deduct</i>	-27.16	
			<i>For &gt;100, Deduct</i>	-39.17	
08 14 16 00-0195	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	490.81	62.66
			<i>For &gt;50 To 100, Deduct</i>	-27.67	
			<i>For &gt;100, Deduct</i>	-39.94	
08 14 16 00-0196	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	506.51	65.38
			<i>For &gt;50 To 100, Deduct</i>	-28.59	
			<i>For &gt;100, Deduct</i>	-41.26	
08 14 16 00-0197	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	561.63	65.38
			<i>For &gt;50 To 100, Deduct</i>	-31.35	
			<i>For &gt;100, Deduct</i>	-45.39	
08 14 16 00-0198	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	651.94	68.11
			<i>For &gt;50 To 100, Deduct</i>	-36.00	
			<i>For &gt;100, Deduct</i>	-52.30	
08 14 16 00-0199	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	706.07	68.11
			<i>For &gt;50 To 100, Deduct</i>	-38.71	
			<i>For &gt;100, Deduct</i>	-56.36	
08 14 16 00-0200	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	760.38	68.11
			<i>For &gt;50 To 100, Deduct</i>	-41.42	
			<i>For &gt;100, Deduct</i>	-60.43	
08 14 16 00-0201	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	477.08	59.93
			<i>For &gt;50 To 100, Deduct</i>	-26.85	
			<i>For &gt;100, Deduct</i>	-38.78	
08 14 16 00-0202	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	477.08	59.93
			<i>For &gt;50 To 100, Deduct</i>	-26.85	
			<i>For &gt;100, Deduct</i>	-38.78	
08 14 16 00-0203	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	495.93	62.66
			<i>For &gt;50 To 100, Deduct</i>	-27.93	
			<i>For &gt;100, Deduct</i>	-40.33	
08 14 16 00-0204	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	501.20	62.66
			<i>For &gt;50 To 100, Deduct</i>	-28.19	
			<i>For &gt;100, Deduct</i>	-40.72	
08 14 16 00-0205	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	512.05	62.66
			<i>For &gt;50 To 100, Deduct</i>	-28.74	
			<i>For &gt;100, Deduct</i>	-41.54	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0206	EA			3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	528.36	65.38
				<i>For &gt;50 To 100, Deduct</i>	-29.69	
				<i>For &gt;100, Deduct</i>	-42.90	
08 14 16 00-0207	EA			3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	586.70	65.38
				<i>For &gt;50 To 100, Deduct</i>	-32.60	
				<i>For &gt;100, Deduct</i>	-47.27	
08 14 16 00-0208	EA			3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	681.81	68.11
				<i>For &gt;50 To 100, Deduct</i>	-37.50	
				<i>For &gt;100, Deduct</i>	-54.54	
08 14 16 00-0209	EA			3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	739.27	68.11
				<i>For &gt;50 To 100, Deduct</i>	-40.37	
				<i>For &gt;100, Deduct</i>	-58.85	
08 14 16 00-0210	EA			4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	796.69	68.11
				<i>For &gt;50 To 100, Deduct</i>	-43.24	
				<i>For &gt;100, Deduct</i>	-63.16	
08 14 16 00-0211	EA			2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	546.74	59.93
				<i>For &gt;50 To 100, Deduct</i>	-30.33	
				<i>For &gt;100, Deduct</i>	-44.00	
				<i>For 9' Door Height, Add</i>	89.64	
08 14 16 00-0212	EA			2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	546.74	59.93
				<i>For &gt;50 To 100, Deduct</i>	-30.33	
				<i>For &gt;100, Deduct</i>	-44.00	
				<i>For 9' Door Height, Add</i>	89.64	
08 14 16 00-0213	EA			2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	568.20	62.66
				<i>For &gt;50 To 100, Deduct</i>	-31.54	
				<i>For &gt;100, Deduct</i>	-45.75	
				<i>For 9' Door Height, Add</i>	93.00	
08 14 16 00-0214	EA			2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	574.50	62.66
				<i>For &gt;50 To 100, Deduct</i>	-31.86	
				<i>For &gt;100, Deduct</i>	-46.22	
				<i>For 9' Door Height, Add</i>	94.33	
08 14 16 00-0215	EA			2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	587.44	62.66
				<i>For &gt;50 To 100, Deduct</i>	-32.51	
				<i>For &gt;100, Deduct</i>	-47.19	
				<i>For 9' Door Height, Add</i>	97.05	
08 14 16 00-0216	EA			3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	605.90	65.38
				<i>For &gt;50 To 100, Deduct</i>	-33.56	
				<i>For &gt;100, Deduct</i>	-48.71	
				<i>For 9' Door Height, Add</i>	99.78	
08 14 16 00-0217	EA			3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	675.59	65.38
				<i>For &gt;50 To 100, Deduct</i>	-37.05	
				<i>For &gt;100, Deduct</i>	-53.94	
				<i>For 9' Door Height, Add</i>	114.41	
08 14 16 00-0218	EA			3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	788.24	68.11
				<i>For &gt;50 To 100, Deduct</i>	-42.82	
				<i>For &gt;100, Deduct</i>	-62.52	
				<i>For 9' Door Height, Add</i>	136.92	
08 14 16 00-0219	EA			3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	856.87	68.11
				<i>For &gt;50 To 100, Deduct</i>	-46.25	
				<i>For &gt;100, Deduct</i>	-67.67	
				<i>For 9' Door Height, Add</i>	151.34	
08 14 16 00-0220	EA			4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	925.53	68.11
				<i>For &gt;50 To 100, Deduct</i>	-49.68	
				<i>For &gt;100, Deduct</i>	-72.82	
				<i>For 9' Door Height, Add</i>	165.76	
<b>08 14 16 00-0221</b>				<b>Walnut Faced Wood Doors</b> <small>(08 14 16 00-0127)</small>		
08 14 16 00-0222	EA			2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	500.95	59.93
				<i>For &gt;50 To 100, Deduct</i>	-28.04	
				<i>For &gt;100, Deduct</i>	-40.57	
08 14 16 00-0223	EA			2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	500.95	59.93
				<i>For &gt;50 To 100, Deduct</i>	-28.04	
				<i>For &gt;100, Deduct</i>	-40.57	
08 14 16 00-0224	EA			2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	509.05	62.66
				<i>For &gt;50 To 100, Deduct</i>	-28.59	
				<i>For &gt;100, Deduct</i>	-41.31	
08 14 16 00-0225	EA			2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	525.95	62.66
				<i>For &gt;50 To 100, Deduct</i>	-29.43	
				<i>For &gt;100, Deduct</i>	-42.58	
08 14 16 00-0226	EA			2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	528.53	62.66
				<i>For &gt;50 To 100, Deduct</i>	-29.56	
				<i>For &gt;100, Deduct</i>	-42.77	
08 14 16 00-0227	EA			3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	536.56	65.38
				<i>For &gt;50 To 100, Deduct</i>	-30.10	
				<i>For &gt;100, Deduct</i>	-43.51	
08 14 16 00-0228	EA			3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	581.85	65.38
				<i>For &gt;50 To 100, Deduct</i>	-32.36	
				<i>For &gt;100, Deduct</i>	-46.91	
08 14 16 00-0229	EA			3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	704.23	68.11
				<i>For &gt;50 To 100, Deduct</i>	-38.62	
				<i>For &gt;100, Deduct</i>	-56.22	
08 14 16 00-0230	EA			3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	732.62	68.11
				<i>For &gt;50 To 100, Deduct</i>	-40.04	
				<i>For &gt;100, Deduct</i>	-58.35	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0231	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	789.48	68.11
			<i>For &gt;50 To 100, Deduct</i>	-42.88	
			<i>For &gt;100, Deduct</i>	-62.62	
08 14 16 00-0232	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	523.12	59.93
			<i>For &gt;50 To 100, Deduct</i>	-29.15	
			<i>For &gt;100, Deduct</i>	-42.23	
08 14 16 00-0233	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	523.12	59.93
			<i>For &gt;50 To 100, Deduct</i>	-29.15	
			<i>For &gt;100, Deduct</i>	-42.23	
08 14 16 00-0234	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	531.40	62.66
			<i>For &gt;50 To 100, Deduct</i>	-29.70	
			<i>For &gt;100, Deduct</i>	-42.99	
08 14 16 00-0235	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	549.25	62.66
			<i>For &gt;50 To 100, Deduct</i>	-30.60	
			<i>For &gt;100, Deduct</i>	-44.33	
08 14 16 00-0236	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	552.01	62.66
			<i>For &gt;50 To 100, Deduct</i>	-30.73	
			<i>For &gt;100, Deduct</i>	-44.53	
08 14 16 00-0237	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	560.18	65.38
			<i>For &gt;50 To 100, Deduct</i>	-31.28	
			<i>For &gt;100, Deduct</i>	-45.28	
08 14 16 00-0238	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	608.09	65.38
			<i>For &gt;50 To 100, Deduct</i>	-33.67	
			<i>For &gt;100, Deduct</i>	-48.88	
08 14 16 00-0239	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	737.29	68.11
			<i>For &gt;50 To 100, Deduct</i>	-40.27	
			<i>For &gt;100, Deduct</i>	-58.70	
08 14 16 00-0240	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	767.34	68.11
			<i>For &gt;50 To 100, Deduct</i>	-41.77	
			<i>For &gt;100, Deduct</i>	-60.96	
08 14 16 00-0241	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	827.48	68.11
			<i>For &gt;50 To 100, Deduct</i>	-44.78	
			<i>For &gt;100, Deduct</i>	-65.47	
08 14 16 00-0242	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	601.75	59.93
			<i>For &gt;50 To 100, Deduct</i>	-33.08	
			<i>For &gt;100, Deduct</i>	-48.13	
			<i>For 9' Door Height, Add</i>	101.19	
08 14 16 00-0243	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	601.75	59.93
			<i>For &gt;50 To 100, Deduct</i>	-33.08	
			<i>For &gt;100, Deduct</i>	-48.13	
			<i>For 9' Door Height, Add</i>	101.19	
08 14 16 00-0244	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	610.59	62.66
			<i>For &gt;50 To 100, Deduct</i>	-33.66	
			<i>For &gt;100, Deduct</i>	-48.93	
			<i>For 9' Door Height, Add</i>	101.91	
08 14 16 00-0245	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	631.92	62.66
			<i>For &gt;50 To 100, Deduct</i>	-34.73	
			<i>For &gt;100, Deduct</i>	-50.53	
			<i>For 9' Door Height, Add</i>	106.39	
08 14 16 00-0246	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	635.20	62.66
			<i>For &gt;50 To 100, Deduct</i>	-34.89	
			<i>For &gt;100, Deduct</i>	-50.77	
			<i>For 9' Door Height, Add</i>	107.07	
08 14 16 00-0247	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	643.91	65.38
			<i>For &gt;50 To 100, Deduct</i>	-35.46	
			<i>For &gt;100, Deduct</i>	-51.56	
			<i>For 9' Door Height, Add</i>	107.76	
08 14 16 00-0248	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	701.18	65.38
			<i>For &gt;50 To 100, Deduct</i>	-38.33	
			<i>For &gt;100, Deduct</i>	-55.86	
			<i>For 9' Door Height, Add</i>	119.79	
08 14 16 00-0249	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	854.50	68.11
			<i>For &gt;50 To 100, Deduct</i>	-46.13	
			<i>For &gt;100, Deduct</i>	-67.49	
			<i>For 9' Door Height, Add</i>	150.84	
08 14 16 00-0250	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	890.42	68.11
			<i>For &gt;50 To 100, Deduct</i>	-47.93	
			<i>For &gt;100, Deduct</i>	-70.19	
			<i>For 9' Door Height, Add</i>	158.38	
08 14 16 00-0251	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	962.27	68.11
			<i>For &gt;50 To 100, Deduct</i>	-51.52	
			<i>For &gt;100, Deduct</i>	-75.58	
			<i>For 9' Door Height, Add</i>	173.47	
<b>08 14 16 00-0252</b>			<b>Lauan Faced Wood Doors</b> <small>(08 14 16 00-0127)</small>		
08 14 16 00-0253	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	282.34	59.93
			<i>For &gt;50 To 100, Deduct</i>	-17.11	
			<i>For &gt;100, Deduct</i>	-24.17	
08 14 16 00-0254	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	282.34	59.93
			<i>For &gt;50 To 100, Deduct</i>	-17.11	
			<i>For &gt;100, Deduct</i>	-24.17	
08 14 16 00-0255	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	298.96	62.66
			<i>For &gt;50 To 100, Deduct</i>	-18.08	
			<i>For &gt;100, Deduct</i>	-25.56	



<b>Openings</b>	<b>08</b>
Doors and Frames	08 10
Wood Doors	08 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0256	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	308.04 -18.54 -26.24	62.66
08 14 16 00-0257	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	309.85 -18.63 -26.37	62.66
08 14 16 00-0258	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	317.10 -19.12 -27.05	65.38
08 14 16 00-0259	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	337.57 -20.15 -28.59	65.38
08 14 16 00-0260	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	369.43 -21.88 -31.11	68.11
08 14 16 00-0261	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	381.07 -22.46 -31.99	68.11
08 14 16 00-0262	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	404.40 -23.63 -33.74	68.11
08 14 16 00-0263	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	291.78 -17.59 -24.88	59.93
08 14 16 00-0264	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	291.78 -17.59 -24.88	59.93
08 14 16 00-0265	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	309.07 -18.59 -26.31	62.66
08 14 16 00-0266	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	318.69 -19.07 -27.03	62.66
08 14 16 00-0267	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	320.60 -19.16 -27.18	62.66
08 14 16 00-0268	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	327.94 -19.67 -27.86	65.38
08 14 16 00-0269	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	349.62 -20.75 -29.49	65.38
08 14 16 00-0270	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	382.99 -22.56 -32.13	68.11
08 14 16 00-0271	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	395.32 -23.17 -33.05	68.11
08 14 16 00-0272	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	420.00 -24.41 -34.91	68.11
08 14 16 00-0273	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	325.29 -19.26 -27.39 43.14	59.93
08 14 16 00-0274	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	325.29 -19.26 -27.39 43.14	59.93
08 14 16 00-0275	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	344.89 -20.38 -29.00 46.11	62.66
08 14 16 00-0276	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	356.38 -20.95 -29.86 48.52	62.66
08 14 16 00-0277	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	358.68 -21.07 -30.03 49.01	62.66
08 14 16 00-0278	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	366.39 -21.59 -30.75 49.48	65.38
08 14 16 00-0279	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	392.31 -22.88 -32.69 54.92	65.38
08 14 16 00-0280	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	431.10 -24.96 -35.74 61.92	68.11

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0281	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	445.84	68.11
			<i>For &gt;50 To 100, Deduct</i>	-25.70	
			<i>For &gt;100, Deduct</i>	-36.84	
			<i>For 9' Door Height, Add</i>	65.02	
08 14 16 00-0282	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	475.33	68.11
			<i>For &gt;50 To 100, Deduct</i>	-27.17	
			<i>For &gt;100, Deduct</i>	-39.06	
			<i>For 9' Door Height, Add</i>	71.21	
<b>08 14 16 00-0283 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0127)</b>					
08 14 16 00-0284	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	283.50	59.93
			<i>For &gt;50 To 100, Deduct</i>	-17.17	
			<i>For &gt;100, Deduct</i>	-24.26	
08 14 16 00-0285	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	283.54	59.93
			<i>For &gt;50 To 100, Deduct</i>	-17.17	
			<i>For &gt;100, Deduct</i>	-24.26	
08 14 16 00-0286	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	293.51	62.66
			<i>For &gt;50 To 100, Deduct</i>	-17.81	
			<i>For &gt;100, Deduct</i>	-25.15	
08 14 16 00-0287	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	302.64	62.66
			<i>For &gt;50 To 100, Deduct</i>	-18.27	
			<i>For &gt;100, Deduct</i>	-25.83	
08 14 16 00-0288	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	307.20	62.66
			<i>For &gt;50 To 100, Deduct</i>	-18.49	
			<i>For &gt;100, Deduct</i>	-26.17	
08 14 16 00-0289	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	317.14	65.38
			<i>For &gt;50 To 100, Deduct</i>	-19.13	
			<i>For &gt;100, Deduct</i>	-27.05	
08 14 16 00-0290	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	327.53	65.38
			<i>For &gt;50 To 100, Deduct</i>	-19.65	
			<i>For &gt;100, Deduct</i>	-27.83	
08 14 16 00-0291	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	366.78	68.11
			<i>For &gt;50 To 100, Deduct</i>	-21.74	
			<i>For &gt;100, Deduct</i>	-30.91	
08 14 16 00-0292	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	378.31	68.11
			<i>For &gt;50 To 100, Deduct</i>	-22.32	
			<i>For &gt;100, Deduct</i>	-31.78	
08 14 16 00-0293	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	401.40	68.11
			<i>For &gt;50 To 100, Deduct</i>	-23.48	
			<i>For &gt;100, Deduct</i>	-33.51	
08 14 16 00-0294	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	293.04	59.93
			<i>For &gt;50 To 100, Deduct</i>	-17.65	
			<i>For &gt;100, Deduct</i>	-24.97	
08 14 16 00-0295	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	293.05	59.93
			<i>For &gt;50 To 100, Deduct</i>	-17.65	
			<i>For &gt;100, Deduct</i>	-24.98	
08 14 16 00-0296	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	303.29	62.66
			<i>For &gt;50 To 100, Deduct</i>	-18.30	
			<i>For &gt;100, Deduct</i>	-25.88	
08 14 16 00-0297	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	312.95	62.66
			<i>For &gt;50 To 100, Deduct</i>	-18.78	
			<i>For &gt;100, Deduct</i>	-26.60	
08 14 16 00-0298	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	317.77	62.66
			<i>For &gt;50 To 100, Deduct</i>	-19.02	
			<i>For &gt;100, Deduct</i>	-26.97	
08 14 16 00-0299	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	328.00	65.38
			<i>For &gt;50 To 100, Deduct</i>	-19.67	
			<i>For &gt;100, Deduct</i>	-27.87	
08 14 16 00-0300	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	338.99	65.38
			<i>For &gt;50 To 100, Deduct</i>	-20.22	
			<i>For &gt;100, Deduct</i>	-28.69	
08 14 16 00-0301	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	380.22	68.11
			<i>For &gt;50 To 100, Deduct</i>	-22.42	
			<i>For &gt;100, Deduct</i>	-31.92	
08 14 16 00-0302	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	392.42	68.11
			<i>For &gt;50 To 100, Deduct</i>	-23.03	
			<i>For &gt;100, Deduct</i>	-32.84	
08 14 16 00-0303	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	416.81	68.11
			<i>For &gt;50 To 100, Deduct</i>	-24.25	
			<i>For &gt;100, Deduct</i>	-34.67	
08 14 16 00-0304	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	326.81	59.93
			<i>For &gt;50 To 100, Deduct</i>	-19.34	
			<i>For &gt;100, Deduct</i>	-27.51	
			<i>For 9' Door Height, Add</i>	43.46	
08 14 16 00-0305	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	326.81	59.93
			<i>For &gt;50 To 100, Deduct</i>	-19.34	
			<i>For &gt;100, Deduct</i>	-27.51	
			<i>For 9' Door Height, Add</i>	43.46	
08 14 16 00-0306	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	337.99	62.66
			<i>For &gt;50 To 100, Deduct</i>	-20.03	
			<i>For &gt;100, Deduct</i>	-28.48	
			<i>For 9' Door Height, Add</i>	44.66	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors and Frames</b>	<b>08 10</b>	
<b>Wood Doors</b>	<b>08 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0307 EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	349.52	62.66
For >50 To 100, Deduct	-20.61	
For >100, Deduct	-29.35	
For 9' Door Height, Add	47.08	
08 14 16 00-0308 EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	355.28	62.66
For >50 To 100, Deduct	-20.90	
For >100, Deduct	-29.78	
For 9' Door Height, Add	48.29	
08 14 16 00-0309 EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	366.46	65.38
For >50 To 100, Deduct	-21.59	
For >100, Deduct	-30.75	
For 9' Door Height, Add	49.49	
08 14 16 00-0310 EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	379.61	65.38
For >50 To 100, Deduct	-22.25	
For >100, Deduct	-31.74	
For 9' Door Height, Add	52.26	
08 14 16 00-0311 EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	427.81	68.11
For >50 To 100, Deduct	-24.80	
For >100, Deduct	-35.49	
For 9' Door Height, Add	61.23	
08 14 16 00-0312 EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	442.38	68.11
For >50 To 100, Deduct	-25.52	
For >100, Deduct	-36.58	
For 9' Door Height, Add	64.29	
08 14 16 00-0313 EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	471.55	68.11
For >50 To 100, Deduct	-26.98	
For >100, Deduct	-38.77	
For 9' Door Height, Add	70.42	
08 14 16 00-0314 1-3/8" Thick, Particleboard Core (PC), Wood Doors <small>(08 14 16)</small>		
Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 16 00-0315 Birch Faced Wood Doors <small>(08 14 16 00-0314)</small>		
08 14 16 00-0316 EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	337.63	59.93
For 7 Ply Cold Press Construction, Deduct	-4.36	
For Stave Lumber Core (SLC), Add	163.32	
For Structural Composite Lumber Core (SCLC), Add	97.99	
For >50 To 100, Deduct	-19.88	
For >100, Deduct	-28.32	
08 14 16 00-0317 EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	337.67	59.93
For 7 Ply Cold Press Construction, Deduct	-4.36	
For Stave Lumber Core (SLC), Add	163.35	
For Structural Composite Lumber Core (SCLC), Add	98.01	
For >50 To 100, Deduct	-19.88	
For >100, Deduct	-28.32	
08 14 16 00-0318 EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	354.54	62.66
For 7 Ply Cold Press Construction, Deduct	-4.58	
For Stave Lumber Core (SLC), Add	171.92	
For Structural Composite Lumber Core (SCLC), Add	103.15	
For >50 To 100, Deduct	-20.86	
For >100, Deduct	-29.72	
08 14 16 00-0319 EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	365.96	62.66
For 7 Ply Cold Press Construction, Deduct	-4.81	
For Stave Lumber Core (SLC), Add	180.48	
For Structural Composite Lumber Core (SCLC), Add	108.29	
For >50 To 100, Deduct	-21.43	
For >100, Deduct	-30.58	
08 14 16 00-0320 EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	372.93	62.66
For 7 Ply Cold Press Construction, Deduct	-4.95	
For Stave Lumber Core (SLC), Add	185.71	
For Structural Composite Lumber Core (SCLC), Add	111.42	
For >50 To 100, Deduct	-21.78	
For >100, Deduct	-31.10	
08 14 16 00-0321 EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	385.38	65.38
For 7 Ply Cold Press Construction, Deduct	-5.09	
For Stave Lumber Core (SLC), Add	190.96	
For Structural Composite Lumber Core (SCLC), Add	114.57	
For >50 To 100, Deduct	-22.54	
For >100, Deduct	-32.17	
08 14 16 00-0322 EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	413.31	65.38
For 7 Ply Cold Press Construction, Deduct	-5.65	
For Stave Lumber Core (SLC), Add	211.91	
For Structural Composite Lumber Core (SCLC), Add	127.14	
For >50 To 100, Deduct	-23.93	
For >100, Deduct	-34.27	
08 14 16 00-0323 EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	436.83	68.11
For 7 Ply Cold Press Construction, Deduct	-6.01	
For Stave Lumber Core (SLC), Add	225.46	
For Structural Composite Lumber Core (SCLC), Add	135.27	
For >50 To 100, Deduct	-25.25	
For >100, Deduct	-36.17	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0324	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....350.32	350.32	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.61	
			<i>For Stave Lumber Core (SLC), Add</i>	172.84	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	103.70	
			<i>For &gt;50 To 100, Deduct</i>	-20.51	
			<i>For &gt;100, Deduct</i>	-29.27	
08 14 16 00-0325	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....350.33	350.33	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.61	
			<i>For Stave Lumber Core (SLC), Add</i>	172.85	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	103.71	
			<i>For &gt;50 To 100, Deduct</i>	-20.51	
			<i>For &gt;100, Deduct</i>	-29.27	
08 14 16 00-0326	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....367.88	367.88	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.85	
			<i>For Stave Lumber Core (SLC), Add</i>	181.92	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	109.15	
			<i>For &gt;50 To 100, Deduct</i>	-21.53	
			<i>For &gt;100, Deduct</i>	-30.72	
08 14 16 00-0327	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....379.98	379.98	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.09	
			<i>For Stave Lumber Core (SLC), Add</i>	191.00	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	114.60	
			<i>For &gt;50 To 100, Deduct</i>	-22.13	
			<i>For &gt;100, Deduct</i>	-31.63	
08 14 16 00-0328	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....387.35	387.35	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.24	
			<i>For Stave Lumber Core (SLC), Add</i>	196.52	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	117.91	
			<i>For &gt;50 To 100, Deduct</i>	-22.50	
			<i>For &gt;100, Deduct</i>	-32.18	
08 14 16 00-0329	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....400.19	400.19	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.39	
			<i>For Stave Lumber Core (SLC), Add</i>	202.07	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	121.24	
			<i>For &gt;50 To 100, Deduct</i>	-23.28	
			<i>For &gt;100, Deduct</i>	-33.28	
08 14 16 00-0330	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....429.76	429.76	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.98	
			<i>For Stave Lumber Core (SLC), Add</i>	224.24	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	134.55	
			<i>For &gt;50 To 100, Deduct</i>	-24.76	
			<i>For &gt;100, Deduct</i>	-35.50	
08 14 16 00-0331	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....454.32	454.32	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.36	
			<i>For Stave Lumber Core (SLC), Add</i>	238.58	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	143.15	
			<i>For &gt;50 To 100, Deduct</i>	-26.12	
			<i>For &gt;100, Deduct</i>	-37.48	
08 14 16 00-0332	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....395.27	395.27	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.51	
			<i>For Stave Lumber Core (SLC), Add</i>	206.55	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	123.93	
			<i>For &gt;50 To 100, Deduct</i>	-22.76	
			<i>For &gt;100, Deduct</i>	-32.64	
			<i>For 9' Door Height, Add</i>	57.83	
08 14 16 00-0333	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....395.27	395.27	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.51	
			<i>For Stave Lumber Core (SLC), Add</i>	206.55	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	123.93	
			<i>For &gt;50 To 100, Deduct</i>	-22.76	
			<i>For &gt;100, Deduct</i>	-32.64	
			<i>For 9' Door Height, Add</i>	57.83	
08 14 16 00-0334	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....415.18	415.18	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.80	
			<i>For Stave Lumber Core (SLC), Add</i>	217.40	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	130.44	
			<i>For &gt;50 To 100, Deduct</i>	-23.89	
			<i>For &gt;100, Deduct</i>	-34.27	
			<i>For 9' Door Height, Add</i>	60.87	
08 14 16 00-0335	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....429.64	429.64	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.09	
			<i>For Stave Lumber Core (SLC), Add</i>	228.24	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	136.94	
			<i>For &gt;50 To 100, Deduct</i>	-24.62	
			<i>For &gt;100, Deduct</i>	-35.36	
			<i>For 9' Door Height, Add</i>	63.91	
08 14 16 00-0336	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....438.44	438.44	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.26	
			<i>For Stave Lumber Core (SLC), Add</i>	234.84	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	140.90	
			<i>For &gt;50 To 100, Deduct</i>	-25.06	
			<i>For &gt;100, Deduct</i>	-36.02	
			<i>For 9' Door Height, Add</i>	65.76	





<b>Openings</b>	<b>08</b>
Doors and Frames	08 10
Wood Doors	08 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0337	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	452.73 -6.44 241.47 144.88 -25.91 -37.22 67.61	65.38
08 14 16 00-0338	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	488.05 -7.15 267.96 160.78 -27.67 -39.87 75.03	65.38
08 14 16 00-0339	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	516.34 -7.60 285.09 171.05 -29.22 -42.13 79.83	68.11
<b>08 14 16 00-0340 Oak Faced Wood Doors (08 14 16 00-0314)</b>					
08 14 16 00-0341	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	388.58 -5.37 201.53 120.92 -22.43 -32.14	59.93
08 14 16 00-0342	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	388.58 -5.37 201.53 120.92 -22.43 -32.14	59.93
08 14 16 00-0343	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	408.18 -5.66 212.15 127.29 -23.54 -33.75	62.66
08 14 16 00-0344	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	422.28 -5.94 222.72 133.63 -24.25 -34.80	62.66
08 14 16 00-0345	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	430.88 -6.11 229.17 137.50 -24.68 -35.45	62.66
08 14 16 00-0346	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	444.95 -6.28 235.64 141.38 -25.52 -36.64	65.38
08 14 16 00-0347	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	479.43 -6.97 261.50 156.90 -27.24 -39.23	65.38
08 14 16 00-0348	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	507.15 -7.42 278.20 166.92 -28.76 -41.44	68.11
08 14 16 00-0349	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	404.21 -5.69 213.26 127.95 -23.21 -33.31	59.93
08 14 16 00-0350	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	404.21 -5.69 213.26 127.95 -23.21 -33.31	59.93

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0351	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	424.65	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.99	
			<i>For Stave Lumber Core (SLC), Add</i>	224.50	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	134.70	
			<i>For &gt;50 To 100, Deduct</i>	-24.37	
			<i>For &gt;100, Deduct</i>	-34.98	
08 14 16 00-0352	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	439.57	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.29	
			<i>For Stave Lumber Core (SLC), Add</i>	235.69	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	141.41	
			<i>For &gt;50 To 100, Deduct</i>	-25.11	
			<i>For &gt;100, Deduct</i>	-36.10	
08 14 16 00-0353	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	448.66	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.47	
			<i>For Stave Lumber Core (SLC), Add</i>	242.51	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	145.50	
			<i>For &gt;50 To 100, Deduct</i>	-25.57	
			<i>For &gt;100, Deduct</i>	-36.78	
08 14 16 00-0354	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	463.23	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.65	
			<i>For Stave Lumber Core (SLC), Add</i>	249.35	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	149.61	
			<i>For &gt;50 To 100, Deduct</i>	-26.43	
			<i>For &gt;100, Deduct</i>	-38.01	
08 14 16 00-0355	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	499.72	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.38	
			<i>For Stave Lumber Core (SLC), Add</i>	276.71	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	166.03	
			<i>For &gt;50 To 100, Deduct</i>	-28.26	
			<i>For &gt;100, Deduct</i>	-40.75	
08 14 16 00-0356	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	528.75	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.85	
			<i>For Stave Lumber Core (SLC), Add</i>	294.40	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	176.64	
			<i>For &gt;50 To 100, Deduct</i>	-29.84	
			<i>For &gt;100, Deduct</i>	-43.06	
08 14 16 00-0357	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	459.65	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.80	
			<i>For Stave Lumber Core (SLC), Add</i>	254.84	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	152.90	
			<i>For &gt;50 To 100, Deduct</i>	-25.98	
			<i>For &gt;100, Deduct</i>	-37.47	
			<i>For 9' Door Height, Add</i>	71.35	
08 14 16 00-0358	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	459.65	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.80	
			<i>For Stave Lumber Core (SLC), Add</i>	254.84	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	152.90	
			<i>For &gt;50 To 100, Deduct</i>	-25.98	
			<i>For &gt;100, Deduct</i>	-37.47	
			<i>For 9' Door Height, Add</i>	71.35	
08 14 16 00-0359	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	483.03	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.15	
			<i>For Stave Lumber Core (SLC), Add</i>	268.28	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	160.97	
			<i>For &gt;50 To 100, Deduct</i>	-27.28	
			<i>For &gt;100, Deduct</i>	-39.36	
			<i>For 9' Door Height, Add</i>	75.12	
08 14 16 00-0360	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	500.85	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.51	
			<i>For Stave Lumber Core (SLC), Add</i>	281.65	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	168.99	
			<i>For &gt;50 To 100, Deduct</i>	-28.18	
			<i>For &gt;100, Deduct</i>	-40.70	
			<i>For 9' Door Height, Add</i>	78.86	
08 14 16 00-0361	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	511.70	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.73	
			<i>For Stave Lumber Core (SLC), Add</i>	289.79	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	173.87	
			<i>For &gt;50 To 100, Deduct</i>	-28.72	
			<i>For &gt;100, Deduct</i>	-41.51	
			<i>For 9' Door Height, Add</i>	81.14	
08 14 16 00-0362	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	528.08	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.95	
			<i>For Stave Lumber Core (SLC), Add</i>	297.98	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	178.79	
			<i>For &gt;50 To 100, Deduct</i>	-29.67	
			<i>For &gt;100, Deduct</i>	-42.88	
			<i>For 9' Door Height, Add</i>	83.44	
08 14 16 00-0363	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	571.67	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.82	
			<i>For Stave Lumber Core (SLC), Add</i>	330.68	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	198.41	
			<i>For &gt;50 To 100, Deduct</i>	-31.85	
			<i>For &gt;100, Deduct</i>	-46.14	
			<i>For 9' Door Height, Add</i>	92.59	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0364 EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	605.30	68.11
For 7 Ply Cold Press Construction, Deduct	-9.38	
For Stave Lumber Core (SLC), Add	351.81	
For Structural Composite Lumber Core (SCLC), Add	211.09	
For >50 To 100, Deduct	-33.67	
For >100, Deduct	-48.80	
For 9' Door Height, Add	98.51	
<b>08 14 16 00-0365 Maple Faced Wood Doors</b> <small>(08 14 16 00-0314)</small>		
08 14 16 00-0366 EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	442.33	59.93
For 7 Ply Cold Press Construction, Deduct	-6.45	
For Stave Lumber Core (SLC), Add	241.85	
For Structural Composite Lumber Core (SCLC), Add	145.11	
For >50 To 100, Deduct	-25.11	
For >100, Deduct	-36.17	
08 14 16 00-0367 EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	442.33	59.93
For 7 Ply Cold Press Construction, Deduct	-6.45	
For Stave Lumber Core (SLC), Add	241.85	
For Structural Composite Lumber Core (SCLC), Add	145.11	
For >50 To 100, Deduct	-25.11	
For >100, Deduct	-36.17	
08 14 16 00-0368 EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	464.75	62.66
For 7 Ply Cold Press Construction, Deduct	-6.79	
For Stave Lumber Core (SLC), Add	254.57	
For Structural Composite Lumber Core (SCLC), Add	152.74	
For >50 To 100, Deduct	-26.37	
For >100, Deduct	-37.99	
08 14 16 00-0369 EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	481.68	62.66
For 7 Ply Cold Press Construction, Deduct	-7.13	
For Stave Lumber Core (SLC), Add	267.27	
For Structural Composite Lumber Core (SCLC), Add	160.36	
For >50 To 100, Deduct	-27.22	
For >100, Deduct	-39.26	
08 14 16 00-0370 EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	491.97	62.66
For 7 Ply Cold Press Construction, Deduct	-7.33	
For Stave Lumber Core (SLC), Add	274.99	
For Structural Composite Lumber Core (SCLC), Add	164.99	
For >50 To 100, Deduct	-27.73	
For >100, Deduct	-40.03	
08 14 16 00-0371 EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	507.78	65.38
For 7 Ply Cold Press Construction, Deduct	-7.54	
For Stave Lumber Core (SLC), Add	282.76	
For Structural Composite Lumber Core (SCLC), Add	169.65	
For >50 To 100, Deduct	-28.66	
For >100, Deduct	-41.35	
08 14 16 00-0372 EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	549.15	65.38
For 7 Ply Cold Press Construction, Deduct	-8.37	
For Stave Lumber Core (SLC), Add	313.79	
For Structural Composite Lumber Core (SCLC), Add	188.27	
For >50 To 100, Deduct	-30.73	
For >100, Deduct	-44.46	
08 14 16 00-0373 EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	581.33	68.11
For 7 Ply Cold Press Construction, Deduct	-8.90	
For Stave Lumber Core (SLC), Add	333.83	
For Structural Composite Lumber Core (SCLC), Add	200.30	
For >50 To 100, Deduct	-32.47	
For >100, Deduct	-47.01	
08 14 16 00-0374 EA 2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	461.07	59.93
For 7 Ply Cold Press Construction, Deduct	-6.82	
For Stave Lumber Core (SLC), Add	255.90	
For Structural Composite Lumber Core (SCLC), Add	153.54	
For >50 To 100, Deduct	-26.05	
For >100, Deduct	-37.58	
08 14 16 00-0375 EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	461.07	59.93
For 7 Ply Cold Press Construction, Deduct	-6.82	
For Stave Lumber Core (SLC), Add	255.90	
For Structural Composite Lumber Core (SCLC), Add	153.54	
For >50 To 100, Deduct	-26.05	
For >100, Deduct	-37.58	
08 14 16 00-0376 EA 2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	484.51	62.66
For 7 Ply Cold Press Construction, Deduct	-7.18	
For Stave Lumber Core (SLC), Add	269.39	
For Structural Composite Lumber Core (SCLC), Add	161.64	
For >50 To 100, Deduct	-27.36	
For >100, Deduct	-39.47	
08 14 16 00-0377 EA 2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	502.44	62.66
For 7 Ply Cold Press Construction, Deduct	-7.54	
For Stave Lumber Core (SLC), Add	282.84	
For Structural Composite Lumber Core (SCLC), Add	169.70	
For >50 To 100, Deduct	-28.26	
For >100, Deduct	-40.82	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0378	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	513.33	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.76	
			<i>For Stave Lumber Core (SLC), Add</i>	291.01	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	174.60	
			<i>For &gt;50 To 100, Deduct</i>	-28.80	
			<i>For &gt;100, Deduct</i>	-41.63	
08 14 16 00-0379	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	529.74	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.98	
			<i>For Stave Lumber Core (SLC), Add</i>	299.23	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	179.54	
			<i>For &gt;50 To 100, Deduct</i>	-29.76	
			<i>For &gt;100, Deduct</i>	-43.00	
08 14 16 00-0380	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	573.51	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.85	
			<i>For Stave Lumber Core (SLC), Add</i>	332.06	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	199.23	
			<i>For &gt;50 To 100, Deduct</i>	-31.94	
			<i>For &gt;100, Deduct</i>	-46.28	
08 14 16 00-0381	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	607.25	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.42	
			<i>For Stave Lumber Core (SLC), Add</i>	353.27	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	211.96	
			<i>For &gt;50 To 100, Deduct</i>	-33.77	
			<i>For &gt;100, Deduct</i>	-48.95	
08 14 16 00-0382	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	527.61	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.15	
			<i>For Stave Lumber Core (SLC), Add</i>	305.81	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	183.48	
			<i>For &gt;50 To 100, Deduct</i>	-29.38	
			<i>For &gt;100, Deduct</i>	-42.57	
			<i>For 9' Door Height, Add</i>	85.63	
08 14 16 00-0383	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	527.61	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.15	
			<i>For Stave Lumber Core (SLC), Add</i>	305.81	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	183.48	
			<i>For &gt;50 To 100, Deduct</i>	-29.38	
			<i>For &gt;100, Deduct</i>	-42.57	
			<i>For 9' Door Height, Add</i>	85.63	
08 14 16 00-0384	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	554.55	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.58	
			<i>For Stave Lumber Core (SLC), Add</i>	321.92	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	193.15	
			<i>For &gt;50 To 100, Deduct</i>	-30.86	
			<i>For &gt;100, Deduct</i>	-44.72	
			<i>For 9' Door Height, Add</i>	90.14	
08 14 16 00-0385	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	575.94	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.01	
			<i>For Stave Lumber Core (SLC), Add</i>	337.97	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	202.78	
			<i>For &gt;50 To 100, Deduct</i>	-31.93	
			<i>For &gt;100, Deduct</i>	-46.33	
			<i>For 9' Door Height, Add</i>	94.63	
08 14 16 00-0386	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	588.99	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.27	
			<i>For Stave Lumber Core (SLC), Add</i>	347.75	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	208.65	
			<i>For &gt;50 To 100, Deduct</i>	-32.58	
			<i>For &gt;100, Deduct</i>	-47.31	
			<i>For 9' Door Height, Add</i>	97.37	
08 14 16 00-0387	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	607.52	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.54	
			<i>For Stave Lumber Core (SLC), Add</i>	357.56	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	214.54	
			<i>For &gt;50 To 100, Deduct</i>	-33.65	
			<i>For &gt;100, Deduct</i>	-48.83	
			<i>For 9' Door Height, Add</i>	100.12	
08 14 16 00-0388	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	659.85	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.58	
			<i>For Stave Lumber Core (SLC), Add</i>	396.81	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	238.09	
			<i>For &gt;50 To 100, Deduct</i>	-36.26	
			<i>For &gt;100, Deduct</i>	-52.76	
			<i>For 9' Door Height, Add</i>	111.11	
08 14 16 00-0389	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	699.10	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.26	
			<i>For Stave Lumber Core (SLC), Add</i>	422.16	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	253.30	
			<i>For &gt;50 To 100, Deduct</i>	-38.36	
			<i>For &gt;100, Deduct</i>	-55.84	
			<i>For 9' Door Height, Add</i>	118.20	
08 14 16 00-0390			<b>Lauan Faced Wood Doors</b> (08 14 16 00-0314)		
08 14 16 00-0391	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	282.05	59.93
			<i>For &gt;50 To 100, Deduct</i>	-17.10	
			<i>For &gt;100, Deduct</i>	-24.15	



<b>Openings</b>	<b>08</b>
<b>Doors and Frames</b>	<b>08 10</b>
<b>Wood Doors</b>	<b>08 14</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0392	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	282.05 -17.10 -24.15	59.93
08 14 16 00-0393	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	296.38 -17.95 -25.36	62.66
08 14 16 00-0394	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	305.32 -18.40 -26.03	62.66
08 14 16 00-0395	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	309.81 -18.62 -26.37	62.66
08 14 16 00-0396	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	319.79 -19.26 -27.25	65.38
08 14 16 00-0397	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	340.54 -20.30 -28.81	65.38
08 14 16 00-0398	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	362.43 -21.53 -30.59	68.11
08 14 16 00-0399	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	291.49 -17.57 -24.86	59.93
08 14 16 00-0400	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	291.49 -17.57 -24.86	59.93
08 14 16 00-0401	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	306.35 -18.45 -26.11	62.66
08 14 16 00-0402	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	315.80 -18.92 -26.82	62.66
08 14 16 00-0403	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	320.56 -19.16 -27.18	62.66
08 14 16 00-0404	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	330.78 -19.81 -28.08	65.38
08 14 16 00-0405	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	352.77 -20.91 -29.73	65.38
08 14 16 00-0406	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	375.59 -22.19 -31.57	68.11
08 14 16 00-0407	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	324.98 -19.25 -27.37	59.93
08 14 16 00-0408	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	324.98 -19.25 -27.37 43.07	59.93
08 14 16 00-0409	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	341.63 -20.21 -28.76 45.43	62.66
08 14 16 00-0410	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	352.95 -20.78 -29.60 47.80	62.66
08 14 16 00-0411	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	358.64 -21.07 -30.03 49.00	62.66
08 14 16 00-0412	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	369.78 -21.76 -31.00 50.19	65.38
08 14 16 00-0413	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	396.05 -23.07 -32.97 55.71	65.38
08 14 16 00-0414	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	422.26 -24.52 -35.08 60.07	68.11
<b>08 14 16 00-0415</b>			<b>Medium Density Overlay (MDO) Faced Wood Doors</b> (08 14 16 00-0314)		
08 14 16 00-0416	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	303.02 137.36 82.42 -18.15 -25.72	59.93

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0417	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	303.02 137.36 82.42 -18.15 -25.72	59.93
08 14 16 00-0418	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	319.11 145.34 87.21 -19.09 -27.07	62.66
08 14 16 00-0419	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	329.72 153.30 91.98 -19.62 -27.86	62.66
08 14 16 00-0420	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	331.66 154.76 92.85 -19.72 -28.01	62.66
08 14 16 00-0421	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	339.09 156.24 93.74 -20.22 -28.70	65.38
08 14 16 00-0422	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	362.08 173.48 104.09 -21.37 -30.43	65.38
08 14 16 00-0423	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	409.42 204.90 122.94 -23.88 -34.11	68.11
08 14 16 00-0424	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	313.68 145.36 87.21 -18.68 -26.52	59.93
08 14 16 00-0425	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	313.70 145.37 87.22 -18.68 -26.52	59.93
08 14 16 00-0426	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	330.39 153.80 92.28 -19.65 -27.91	62.66
08 14 16 00-0427	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	341.61 162.22 97.33 -20.21 -28.75	62.66
08 14 16 00-0428	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	343.68 163.77 98.26 -20.32 -28.91	62.66
08 14 16 00-0429	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	351.22 165.34 99.20 -20.83 -29.61	65.38
08 14 16 00-0430	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	375.53 183.57 110.14 -22.05 -31.43	65.38
08 14 16 00-0431	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	425.34 216.84 130.10 -24.67 -35.31	68.11
08 14 16 00-0432	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	351.46 173.69 104.22 -20.57 -29.36 48.63	59.93
08 14 16 00-0433	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	351.49 173.72 104.23 -20.57 -29.36 48.64	59.93



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors and Frames</b>	<b>08 10</b>	
<b>Wood Doors</b>	<b>08 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0434 EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	370.38	62.66
For Stave Lumber Core (SLC), Add	183.80	
For Structural Composite Lumber Core (SCLC), Add	110.28	
For >50 To 100, Deduct	-21.65	
For >100, Deduct	-30.91	
For 9' Door Height, Add	51.46	
08 14 16 00-0435 EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	383.78	62.66
For Stave Lumber Core (SLC), Add	193.85	
For Structural Composite Lumber Core (SCLC), Add	116.31	
For >50 To 100, Deduct	-22.32	
For >100, Deduct	-31.92	
For 9' Door Height, Add	54.28	
08 14 16 00-0436 EA 2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	386.25	62.66
For Stave Lumber Core (SLC), Add	195.70	
For Structural Composite Lumber Core (SCLC), Add	117.42	
For >50 To 100, Deduct	-22.45	
For >100, Deduct	-32.10	
For 9' Door Height, Add	54.80	
08 14 16 00-0437 EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	394.21	65.38
For Stave Lumber Core (SLC), Add	197.58	
For Structural Composite Lumber Core (SCLC), Add	118.55	
For >50 To 100, Deduct	-22.98	
For >100, Deduct	-32.84	
For 9' Door Height, Add	55.32	
08 14 16 00-0438 EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	423.28	65.38
For Stave Lumber Core (SLC), Add	219.38	
For Structural Composite Lumber Core (SCLC), Add	131.63	
For >50 To 100, Deduct	-24.43	
For >100, Deduct	-35.02	
For 9' Door Height, Add	61.43	
08 14 16 00-0439 EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	481.73	68.11
For Stave Lumber Core (SLC), Add	259.13	
For Structural Composite Lumber Core (SCLC), Add	155.48	
For >50 To 100, Deduct	-27.49	
For >100, Deduct	-39.54	
For 9' Door Height, Add	72.56	
<b>08 14 16 00-0440 1-3/4" Thick, Particleboard Core (PC), Wood Doors</b> <small>(08 14 16)</small>		
Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
<b>08 14 16 00-0441 Birch Faced Wood Doors</b> <small>(08 14 16 00-0440)</small>		
08 14 16 00-0442 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	384.94	59.93
For 7 Ply Cold Press Construction, Deduct	-5.30	
For Stave Lumber Core (SLC), Add	198.80	
For Structural Composite Lumber Core (SCLC), Add	119.28	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.81	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	143.14	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	198.80	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	318.08	
For >50 To 100, Deduct	-22.24	
For >100, Deduct	-31.87	
08 14 16 00-0443 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	384.94	59.93
For 7 Ply Cold Press Construction, Deduct	-5.30	
For Stave Lumber Core (SLC), Add	198.80	
For Structural Composite Lumber Core (SCLC), Add	119.28	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.81	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	143.14	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	198.80	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	318.08	
For >50 To 100, Deduct	-22.24	
For >100, Deduct	-31.87	
08 14 16 00-0444 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	376.43	62.66
For 7 Ply Cold Press Construction, Deduct	-5.02	
For Stave Lumber Core (SLC), Add	188.33	
For Structural Composite Lumber Core (SCLC), Add	113.00	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.13	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	135.60	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	188.33	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	301.33	
For >50 To 100, Deduct	-21.95	
For >100, Deduct	-31.37	
08 14 16 00-0445 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	386.89	62.66
For 7 Ply Cold Press Construction, Deduct	-5.23	
For Stave Lumber Core (SLC), Add	196.18	
For Structural Composite Lumber Core (SCLC), Add	117.71	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.39	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	141.25	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	196.18	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	313.88	
For >50 To 100, Deduct	-22.48	
For >100, Deduct	-32.15	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0446	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	393.89	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.37	
			<i>For Stave Lumber Core (SLC), Add</i>	201.43	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	120.86	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.23	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	145.03	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	201.43	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	322.28	
			<i>For &gt;50 To 100, Deduct</i>	-22.83	
			<i>For &gt;100, Deduct</i>	-32.67	
08 14 16 00-0447	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	406.31	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.51	
			<i>For Stave Lumber Core (SLC), Add</i>	206.66	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	123.99	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	33.06	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	148.79	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	206.66	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	330.65	
			<i>For &gt;50 To 100, Deduct</i>	-23.58	
			<i>For &gt;100, Deduct</i>	-33.74	
08 14 16 00-0448	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	436.61	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.12	
			<i>For Stave Lumber Core (SLC), Add</i>	229.38	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	137.63	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	36.70	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	165.15	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	229.38	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	367.01	
			<i>For &gt;50 To 100, Deduct</i>	-25.10	
			<i>For &gt;100, Deduct</i>	-36.02	
08 14 16 00-0449	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	507.54	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.43	
			<i>For Stave Lumber Core (SLC), Add</i>	278.49	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	167.09	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	44.56	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	200.51	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	278.49	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	445.58	
			<i>For &gt;50 To 100, Deduct</i>	-28.78	
			<i>For &gt;100, Deduct</i>	-41.47	
08 14 16 00-0450	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	526.10	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.80	
			<i>For Stave Lumber Core (SLC), Add</i>	292.41	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	175.45	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	46.79	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	210.54	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	292.41	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	467.86	
			<i>For &gt;50 To 100, Deduct</i>	-29.71	
			<i>For &gt;100, Deduct</i>	-42.86	
08 14 16 00-0451	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	574.13	73.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.54	
			<i>For Stave Lumber Core (SLC), Add</i>	320.26	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	192.15	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	51.24	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	230.59	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	320.26	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	512.41	
			<i>For &gt;50 To 100, Deduct</i>	-32.38	
			<i>For &gt;100, Deduct</i>	-46.74	
08 14 16 00-0452	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	372.40	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.05	
			<i>For Stave Lumber Core (SLC), Add</i>	189.40	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	113.64	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	30.30	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	136.37	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	189.40	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	303.04	
			<i>For &gt;50 To 100, Deduct</i>	-21.62	
			<i>For &gt;100, Deduct</i>	-30.93	
08 14 16 00-0453	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	372.40	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.05	
			<i>For Stave Lumber Core (SLC), Add</i>	189.40	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	113.64	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	30.30	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	136.37	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	189.40	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	303.04	
			<i>For &gt;50 To 100, Deduct</i>	-21.62	
			<i>For &gt;100, Deduct</i>	-30.93	





<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0454 EA 2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	391.05 -5.31 199.30 119.58 31.89 143.49 199.30 318.88 -22.69 -32.46	62.66
08 14 16 00-0455 EA 2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	402.12 -5.54 207.60 124.56 33.22 149.47 207.60 332.16 -23.24 -33.29	62.66
08 14 16 00-0456 EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	409.52 -5.68 213.15 127.89 34.10 153.47 213.15 341.04 -23.61 -33.85	62.66
08 14 16 00-0457 EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	422.33 -5.83 218.67 131.20 34.99 157.44 218.67 349.87 -24.39 -34.94	65.38
08 14 16 00-0458 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	454.41 -6.47 242.73 145.64 38.84 174.77 242.73 388.37 -25.99 -37.35	65.38
08 14 16 00-0459 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	529.16 -7.86 294.71 176.82 47.15 212.19 294.71 471.53 -29.86 -43.09	68.11
08 14 16 00-0460 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	548.80 -8.25 309.44 185.66 49.51 222.79 309.44 495.10 -30.85 -44.57	68.11
08 14 16 00-0461 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	598.98 -9.04 338.90 203.34 54.22 244.00 338.90 542.23 -33.63 -48.60	73.56

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 14 16 00-0462	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	455.05	59.93
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.70	
		<i>For Stave Lumber Core (SLC), Add</i>	251.39	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	150.83	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	40.22	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	181.00	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	251.39	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	402.22	
		<i>For &gt;50 To 100, Deduct</i>	-25.75	
		<i>For &gt;100, Deduct</i>	-37.13	
		<i>For 9' Door Height, Add</i>	70.39	
08 14 16 00-0463	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	455.05	59.93
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.70	
		<i>For Stave Lumber Core (SLC), Add</i>	251.39	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	150.83	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	40.22	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	181.00	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	251.39	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	402.22	
		<i>For &gt;50 To 100, Deduct</i>	-25.75	
		<i>For &gt;100, Deduct</i>	-37.13	
		<i>For 9' Door Height, Add</i>	70.39	
08 14 16 00-0464	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	442.86	62.66
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.35	
		<i>For Stave Lumber Core (SLC), Add</i>	238.16	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	142.89	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.10	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	171.47	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	238.16	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	381.05	
		<i>For &gt;50 To 100, Deduct</i>	-25.28	
		<i>For &gt;100, Deduct</i>	-36.35	
		<i>For 9' Door Height, Add</i>	66.68	
08 14 16 00-0465	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	456.08	62.66
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.62	
		<i>For Stave Lumber Core (SLC), Add</i>	248.07	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	148.84	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.69	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	178.61	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	248.07	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	396.91	
		<i>For &gt;50 To 100, Deduct</i>	-25.94	
		<i>For &gt;100, Deduct</i>	-37.34	
		<i>For 9' Door Height, Add</i>	69.46	
08 14 16 00-0466	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	464.92	62.66
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.79	
		<i>For Stave Lumber Core (SLC), Add</i>	254.70	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	152.82	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	40.75	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	183.38	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	254.70	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	407.52	
		<i>For &gt;50 To 100, Deduct</i>	-26.38	
		<i>For &gt;100, Deduct</i>	-38.00	
		<i>For 9' Door Height, Add</i>	71.32	
08 14 16 00-0467	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	479.18	65.38
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.97	
		<i>For Stave Lumber Core (SLC), Add</i>	261.31	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	156.78	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	41.81	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	188.14	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	261.31	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	418.09	
		<i>For &gt;50 To 100, Deduct</i>	-27.23	
		<i>For &gt;100, Deduct</i>	-39.21	
		<i>For 9' Door Height, Add</i>	73.17	
08 14 16 00-0468	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	517.50	65.38
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.73	
		<i>For Stave Lumber Core (SLC), Add</i>	290.05	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	174.03	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	46.41	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	208.83	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	290.05	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	464.08	
		<i>For &gt;50 To 100, Deduct</i>	-29.14	
		<i>For &gt;100, Deduct</i>	-42.08	
		<i>For 9' Door Height, Add</i>	81.21	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0469 EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	605.76 -9.39 352.16 211.29 56.34 253.55 352.16 563.45 -33.69 -48.84 98.60	68.11
08 14 16 00-0470 EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	629.24 -9.86 369.77 221.86 59.16 266.23 369.77 591.62 -34.87 -50.60 103.53	68.11
08 14 16 00-0471 EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	687.09 -10.80 404.98 242.99 64.80 291.58 404.98 647.96 -38.03 -55.21 113.39	73.56
<b>08 14 16 00-0472 Oak Faced Wood Doors</b> <small>(08 14 16 00-0440)</small>		
08 14 16 00-0473 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	477.89 -7.16 268.52 161.11 42.96 193.33 268.52 429.62 -26.89 -38.84	59.93
08 14 16 00-0474 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	477.89 -7.16 268.52 161.11 42.96 193.33 268.52 429.62 -26.89 -38.84	59.93
08 14 16 00-0475 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	483.34 -7.16 268.52 161.11 42.96 193.33 268.52 429.62 -27.30 -39.38	62.66
08 14 16 00-0476 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	487.02 -7.23 271.28 162.77 43.40 195.32 271.28 434.04 -27.48 -39.66	62.66
08 14 16 00-0477 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	488.68 -7.27 272.52 163.51 43.60 196.21 272.52 436.03 -27.57 -39.78	62.66

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0478	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	495.80	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.30	
			<i>For Stave Lumber Core (SLC), Add</i>	273.77	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	164.26	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.80	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	197.12	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	273.77	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	438.04	
			<i>For &gt;50 To 100, Deduct</i>	-28.06	
			<i>For &gt;100, Deduct</i>	-40.45	
08 14 16 00-0479	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	535.89	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.10	
			<i>For Stave Lumber Core (SLC), Add</i>	303.84	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	182.30	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	48.61	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	218.76	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	303.84	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	486.14	
			<i>For &gt;50 To 100, Deduct</i>	-30.06	
			<i>For &gt;100, Deduct</i>	-43.46	
08 14 16 00-0480	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	644.58	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.17	
			<i>For Stave Lumber Core (SLC), Add</i>	381.27	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	228.76	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	61.00	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	274.51	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	381.27	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	610.03	
			<i>For &gt;50 To 100, Deduct</i>	-35.63	
			<i>For &gt;100, Deduct</i>	-51.75	
08 14 16 00-0481	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	670.36	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.68	
			<i>For Stave Lumber Core (SLC), Add</i>	400.61	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	240.36	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	64.10	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	288.44	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	400.61	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	640.97	
			<i>For &gt;50 To 100, Deduct</i>	-36.92	
			<i>For &gt;100, Deduct</i>	-53.68	
08 14 16 00-0482	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	731.75	73.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.69	
			<i>For Stave Lumber Core (SLC), Add</i>	438.47	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	263.08	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	70.16	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	315.70	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	438.47	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	701.56	
			<i>For &gt;50 To 100, Deduct</i>	-40.27	
			<i>For &gt;100, Deduct</i>	-58.56	
08 14 16 00-0483	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	498.72	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.58	
			<i>For Stave Lumber Core (SLC), Add</i>	284.14	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	170.48	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	45.46	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	204.58	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	284.14	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	454.62	
			<i>For &gt;50 To 100, Deduct</i>	-27.93	
			<i>For &gt;100, Deduct</i>	-40.40	
08 14 16 00-0484	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	498.72	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.58	
			<i>For Stave Lumber Core (SLC), Add</i>	284.14	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	170.48	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	45.46	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	204.58	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	284.14	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	454.62	
			<i>For &gt;50 To 100, Deduct</i>	-27.93	
			<i>For &gt;100, Deduct</i>	-40.40	
08 14 16 00-0485	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	504.17	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.58	
			<i>For Stave Lumber Core (SLC), Add</i>	284.14	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	170.48	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	45.46	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	204.58	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	284.14	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	454.62	
			<i>For &gt;50 To 100, Deduct</i>	-28.34	
			<i>For &gt;100, Deduct</i>	-40.95	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0486 EA 2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	508.06	62.66
For 7 Ply Cold Press Construction, Deduct	-7.65	
For Stave Lumber Core (SLC), Add	287.06	
For Structural Composite Lumber Core (SCLC), Add	172.23	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.93	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	206.68	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	287.06	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	459.29	
For >50 To 100, Deduct	-28.54	
For >100, Deduct	-41.24	
08 14 16 00-0487 EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	509.83	62.66
For 7 Ply Cold Press Construction, Deduct	-7.69	
For Stave Lumber Core (SLC), Add	288.38	
For Structural Composite Lumber Core (SCLC), Add	173.03	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.14	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	207.64	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	288.38	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	461.41	
For >50 To 100, Deduct	-28.62	
For >100, Deduct	-41.37	
08 14 16 00-0488 EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	517.05	65.38
For 7 Ply Cold Press Construction, Deduct	-7.73	
For Stave Lumber Core (SLC), Add	289.71	
For Structural Composite Lumber Core (SCLC), Add	173.83	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.35	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	208.59	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	289.71	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	463.54	
For >50 To 100, Deduct	-29.12	
For >100, Deduct	-42.05	
08 14 16 00-0489 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	559.47	65.38
For 7 Ply Cold Press Construction, Deduct	-8.57	
For Stave Lumber Core (SLC), Add	321.53	
For Structural Composite Lumber Core (SCLC), Add	192.92	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.44	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	231.50	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	321.53	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	514.44	
For >50 To 100, Deduct	-31.24	
For >100, Deduct	-45.23	
08 14 16 00-0490 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	674.18	68.11
For 7 Ply Cold Press Construction, Deduct	-10.76	
For Stave Lumber Core (SLC), Add	403.47	
For Structural Composite Lumber Core (SCLC), Add	242.08	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	64.56	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	290.50	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	403.47	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	645.55	
For >50 To 100, Deduct	-37.11	
For >100, Deduct	-53.97	
08 14 16 00-0491 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	701.44	68.11
For 7 Ply Cold Press Construction, Deduct	-11.30	
For Stave Lumber Core (SLC), Add	423.92	
For Structural Composite Lumber Core (SCLC), Add	254.35	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	67.83	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	305.22	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	423.92	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	678.26	
For >50 To 100, Deduct	-38.48	
For >100, Deduct	-56.01	
08 14 16 00-0492 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	765.76	73.56
For 7 Ply Cold Press Construction, Deduct	-12.37	
For Stave Lumber Core (SLC), Add	463.98	
For Structural Composite Lumber Core (SCLC), Add	278.39	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	74.24	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	334.07	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	463.98	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	742.37	
For >50 To 100, Deduct	-41.97	
For >100, Deduct	-61.11	
08 14 16 00-0493 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	572.58	59.93
For 7 Ply Cold Press Construction, Deduct	-9.05	
For Stave Lumber Core (SLC), Add	339.53	
For Structural Composite Lumber Core (SCLC), Add	203.72	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.33	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	244.46	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	339.53	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	543.25	
For >50 To 100, Deduct	-31.63	
For >100, Deduct	-45.94	
For 9' Door Height, Add	95.07	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0494	EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	572.58	59.93
	For 7 Ply Cold Press Construction, Deduct	-9.05	
	For Stave Lumber Core (SLC), Add	339.53	
	For Structural Composite Lumber Core (SCLC), Add	203.72	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.33	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	244.46	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	339.53	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	543.25	
	For >50 To 100, Deduct	-31.63	
	For >100, Deduct	-45.94	
	For 9' Door Height, Add	95.07	
08 14 16 00-0495	EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	578.03	62.66
	For 7 Ply Cold Press Construction, Deduct	-9.05	
	For Stave Lumber Core (SLC), Add	339.53	
	For Structural Composite Lumber Core (SCLC), Add	203.72	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.33	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	244.46	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	339.53	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	543.25	
	For >50 To 100, Deduct	-32.03	
	For >100, Deduct	-46.49	
	For 9' Door Height, Add	95.07	
08 14 16 00-0496	EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	582.70	62.66
	For 7 Ply Cold Press Construction, Deduct	-9.15	
	For Stave Lumber Core (SLC), Add	343.04	
	For Structural Composite Lumber Core (SCLC), Add	205.82	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.89	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	246.99	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	343.04	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	548.86	
	For >50 To 100, Deduct	-32.27	
	For >100, Deduct	-46.84	
	For 9' Door Height, Add	96.05	
08 14 16 00-0497	EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	584.82	62.66
	For 7 Ply Cold Press Construction, Deduct	-9.19	
	For Stave Lumber Core (SLC), Add	344.63	
	For Structural Composite Lumber Core (SCLC), Add	206.78	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.14	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	248.13	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	344.63	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	551.40	
	For >50 To 100, Deduct	-32.37	
	For >100, Deduct	-46.99	
	For 9' Door Height, Add	96.50	
08 14 16 00-0498	EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	592.36	65.38
	For 7 Ply Cold Press Construction, Deduct	-9.23	
	For Stave Lumber Core (SLC), Add	346.19	
	For Structural Composite Lumber Core (SCLC), Add	207.72	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.39	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	249.26	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	346.19	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	553.91	
	For >50 To 100, Deduct	-32.89	
	For >100, Deduct	-47.70	
	For 9' Door Height, Add	96.93	
08 14 16 00-0499	EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	643.06	65.38
	For 7 Ply Cold Press Construction, Deduct	-10.25	
	For Stave Lumber Core (SLC), Add	384.22	
	For Structural Composite Lumber Core (SCLC), Add	230.53	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	61.47	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	276.64	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	384.22	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	614.75	
	For >50 To 100, Deduct	-35.42	
	For >100, Deduct	-51.50	
	For 9' Door Height, Add	107.58	
08 14 16 00-0500	EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	779.08	68.11
	For 7 Ply Cold Press Construction, Deduct	-12.86	
	For Stave Lumber Core (SLC), Add	482.15	
	For Structural Composite Lumber Core (SCLC), Add	289.29	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	77.14	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	347.14	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	482.15	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	771.43	
	For >50 To 100, Deduct	-42.36	
	For >100, Deduct	-61.84	
	For 9' Door Height, Add	135.00	



<b>Openings</b>	<b>08</b>
Doors and Frames	08 10
Wood Doors	08 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0501 EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	811.64	68.11
For 7 Ply Cold Press Construction, Deduct	-13.51	
For Stave Lumber Core (SLC), Add	506.57	
For Structural Composite Lumber Core (SCLC), Add	303.94	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	81.05	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	364.73	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	506.57	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	810.50	
For >50 To 100, Deduct	-43.99	
For >100, Deduct	-64.28	
For 9' Door Height, Add	141.84	
08 14 16 00-0502 EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	886.40	73.56
For 7 Ply Cold Press Construction, Deduct	-14.79	
For Stave Lumber Core (SLC), Add	554.46	
For Structural Composite Lumber Core (SCLC), Add	332.68	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	88.71	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	399.21	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	554.46	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	887.14	
For >50 To 100, Deduct	-48.00	
For >100, Deduct	-70.16	
For 9' Door Height, Add	155.25	
<b>08 14 16 00-0503 Maple Faced Wood Doors (08 14 16 00-0440)</b>		
08 14 16 00-0504 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	549.49	59.93
For 7 Ply Cold Press Construction, Deduct	-8.59	
For Stave Lumber Core (SLC), Add	322.22	
For Structural Composite Lumber Core (SCLC), Add	193.33	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.55	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	231.99	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	322.22	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	515.54	
For >50 To 100, Deduct	-30.47	
For >100, Deduct	-44.21	
08 14 16 00-0505 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	549.49	59.93
For 7 Ply Cold Press Construction, Deduct	-8.59	
For Stave Lumber Core (SLC), Add	322.22	
For Structural Composite Lumber Core (SCLC), Add	193.33	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.55	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	231.99	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	322.22	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	515.54	
For >50 To 100, Deduct	-30.47	
For >100, Deduct	-44.21	
08 14 16 00-0506 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	554.94	62.66
For 7 Ply Cold Press Construction, Deduct	-8.59	
For Stave Lumber Core (SLC), Add	322.22	
For Structural Composite Lumber Core (SCLC), Add	193.33	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.55	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	231.99	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	322.22	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	515.54	
For >50 To 100, Deduct	-30.88	
For >100, Deduct	-44.75	
08 14 16 00-0507 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	559.36	62.66
For 7 Ply Cold Press Construction, Deduct	-8.68	
For Stave Lumber Core (SLC), Add	325.53	
For Structural Composite Lumber Core (SCLC), Add	195.32	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.08	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	234.38	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	325.53	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	520.85	
For >50 To 100, Deduct	-31.10	
For >100, Deduct	-45.09	
08 14 16 00-0508 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	561.34	62.66
For 7 Ply Cold Press Construction, Deduct	-8.72	
For Stave Lumber Core (SLC), Add	327.02	
For Structural Composite Lumber Core (SCLC), Add	196.21	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.32	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	235.45	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	327.02	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	523.22	
For >50 To 100, Deduct	-31.20	
For >100, Deduct	-45.23	
08 14 16 00-0509 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	568.81	65.38
For 7 Ply Cold Press Construction, Deduct	-8.76	
For Stave Lumber Core (SLC), Add	328.53	
For Structural Composite Lumber Core (SCLC), Add	197.12	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.56	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	236.54	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	328.53	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	525.65	
For >50 To 100, Deduct	-31.71	
For >100, Deduct	-45.93	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0510	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....616.93	616.93	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.72	
			<i>For Stave Lumber Core (SLC), Add</i>	364.62	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	218.77	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	58.34	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	262.53	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	364.62	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	583.39	
			<i>For &gt;50 To 100, Deduct</i>	-34.12	
			<i>For &gt;100, Deduct</i>	-49.54	
08 14 16 00-0511	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....715.76	715.76	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.59	
			<i>For Stave Lumber Core (SLC), Add</i>	434.66	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	260.79	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	69.54	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	312.95	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	434.66	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	695.45	
			<i>For &gt;50 To 100, Deduct</i>	-39.19	
			<i>For &gt;100, Deduct</i>	-57.09	
08 14 16 00-0512	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....776.75	776.75	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-12.81	
			<i>For Stave Lumber Core (SLC), Add</i>	480.40	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	288.24	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	76.86	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	345.89	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	480.40	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	768.64	
			<i>For &gt;50 To 100, Deduct</i>	-42.24	
			<i>For &gt;100, Deduct</i>	-61.66	
08 14 16 00-0513	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....837.81	837.81	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-14.03	
			<i>For Stave Lumber Core (SLC), Add</i>	526.19	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	315.72	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	84.19	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	378.86	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	526.19	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	841.91	
			<i>For &gt;50 To 100, Deduct</i>	-45.30	
			<i>For &gt;100, Deduct</i>	-66.24	
08 14 16 00-0514	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....574.49	574.49	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.09	
			<i>For Stave Lumber Core (SLC), Add</i>	340.97	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	204.58	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	54.55	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	245.49	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	340.97	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	545.54	
			<i>For &gt;50 To 100, Deduct</i>	-31.72	
			<i>For &gt;100, Deduct</i>	-46.08	
08 14 16 00-0515	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....574.49	574.49	59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.09	
			<i>For Stave Lumber Core (SLC), Add</i>	340.97	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	204.58	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	54.55	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	245.49	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	340.97	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	545.54	
			<i>For &gt;50 To 100, Deduct</i>	-31.72	
			<i>For &gt;100, Deduct</i>	-46.08	
08 14 16 00-0516	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....579.94	579.94	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.09	
			<i>For Stave Lumber Core (SLC), Add</i>	340.97	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	204.58	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	54.55	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	245.49	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	340.97	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	545.54	
			<i>For &gt;50 To 100, Deduct</i>	-32.13	
			<i>For &gt;100, Deduct</i>	-46.63	
08 14 16 00-0517	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....584.61	584.61	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.19	
			<i>For Stave Lumber Core (SLC), Add</i>	344.47	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	206.68	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	55.11	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	248.02	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	344.47	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	551.15	
			<i>For &gt;50 To 100, Deduct</i>	-32.36	
			<i>For &gt;100, Deduct</i>	-46.98	





<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0518 EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	586.73	62.66
For 7 Ply Cold Press Construction, Deduct	-9.23	
For Stave Lumber Core (SLC), Add	346.06	
For Structural Composite Lumber Core (SCLC), Add	207.63	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.37	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	249.16	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	346.06	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	553.69	
For >50 To 100, Deduct	-32.47	
For >100, Deduct	-47.14	
08 14 16 00-0519 EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	594.30	65.38
For 7 Ply Cold Press Construction, Deduct	-9.27	
For Stave Lumber Core (SLC), Add	347.65	
For Structural Composite Lumber Core (SCLC), Add	208.59	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.62	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	250.31	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	347.65	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	556.24	
For >50 To 100, Deduct	-32.98	
For >100, Deduct	-47.84	
08 14 16 00-0520 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	645.21	65.38
For 7 Ply Cold Press Construction, Deduct	-10.29	
For Stave Lumber Core (SLC), Add	385.83	
For Structural Composite Lumber Core (SCLC), Add	231.50	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	61.73	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	277.80	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	385.83	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	617.33	
For >50 To 100, Deduct	-35.53	
For >100, Deduct	-51.66	
08 14 16 00-0521 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	749.49	68.11
For 7 Ply Cold Press Construction, Deduct	-12.27	
For Stave Lumber Core (SLC), Add	459.95	
For Structural Composite Lumber Core (SCLC), Add	275.97	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	73.59	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	331.17	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	459.95	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	735.92	
For >50 To 100, Deduct	-40.88	
For >100, Deduct	-59.62	
08 14 16 00-0522 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	814.05	68.11
For 7 Ply Cold Press Construction, Deduct	-13.56	
For Stave Lumber Core (SLC), Add	508.37	
For Structural Composite Lumber Core (SCLC), Add	305.02	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	81.34	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	366.03	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	508.37	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	813.40	
For >50 To 100, Deduct	-44.11	
For >100, Deduct	-64.46	
08 14 16 00-0523 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	878.65	68.11
For 7 Ply Cold Press Construction, Deduct	-14.85	
For Stave Lumber Core (SLC), Add	556.82	
For Structural Composite Lumber Core (SCLC), Add	334.09	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	89.09	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	400.91	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	556.82	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	890.92	
For >50 To 100, Deduct	-47.34	
For >100, Deduct	-69.30	
08 14 16 00-0524 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	663.13	59.93
For 7 Ply Cold Press Construction, Deduct	-10.87	
For Stave Lumber Core (SLC), Add	407.45	
For Structural Composite Lumber Core (SCLC), Add	244.47	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	65.19	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	293.36	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	407.45	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	651.91	
For >50 To 100, Deduct	-36.15	
For >100, Deduct	-52.73	
For 9' Door Height, Add	114.08	
08 14 16 00-0525 EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	663.13	59.93
For 7 Ply Cold Press Construction, Deduct	-10.87	
For Stave Lumber Core (SLC), Add	407.45	
For Structural Composite Lumber Core (SCLC), Add	244.47	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	65.19	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	293.36	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	407.45	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	651.91	
For >50 To 100, Deduct	-36.15	
For >100, Deduct	-52.73	
For 9' Door Height, Add	114.08	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0526	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	668.58	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.87	
			<i>For Stave Lumber Core (SLC), Add</i>	407.45	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	244.47	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	65.19	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	293.36	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	407.45	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	651.91	
			<i>For &gt;50 To 100, Deduct</i>	-36.56	
			<i>For &gt;100, Deduct</i>	-53.28	
			<i>For 9' Door Height, Add</i>	114.08	
08 14 16 00-0527	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	674.17	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.98	
			<i>For Stave Lumber Core (SLC), Add</i>	411.64	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	246.98	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	65.86	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	296.38	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	411.64	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	658.62	
			<i>For &gt;50 To 100, Deduct</i>	-36.84	
			<i>For &gt;100, Deduct</i>	-53.70	
			<i>For 9' Door Height, Add</i>	115.26	
08 14 16 00-0528	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	676.71	62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.03	
			<i>For Stave Lumber Core (SLC), Add</i>	413.54	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	248.13	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	66.17	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	297.75	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	413.54	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	661.67	
			<i>For &gt;50 To 100, Deduct</i>	-36.97	
			<i>For &gt;100, Deduct</i>	-53.89	
			<i>For 9' Door Height, Add</i>	115.79	
08 14 16 00-0529	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	684.67	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.08	
			<i>For Stave Lumber Core (SLC), Add</i>	415.43	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	249.26	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	66.47	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	299.11	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	415.43	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	664.68	
			<i>For &gt;50 To 100, Deduct</i>	-37.50	
			<i>For &gt;100, Deduct</i>	-54.62	
			<i>For 9' Door Height, Add</i>	116.32	
08 14 16 00-0530	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	745.52	65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-12.30	
			<i>For Stave Lumber Core (SLC), Add</i>	461.06	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	276.64	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	73.77	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	331.97	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	461.06	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	737.70	
			<i>For &gt;50 To 100, Deduct</i>	-40.55	
			<i>For &gt;100, Deduct</i>	-59.18	
			<i>For 9' Door Height, Add</i>	129.10	
08 14 16 00-0531	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	869.06	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-14.66	
			<i>For Stave Lumber Core (SLC), Add</i>	549.63	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	329.78	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	87.94	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	395.73	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	549.63	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	879.41	
			<i>For &gt;50 To 100, Deduct</i>	-46.86	
			<i>For &gt;100, Deduct</i>	-68.59	
			<i>For 9' Door Height, Add</i>	153.90	
08 14 16 00-0532	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	946.21	68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-16.20	
			<i>For Stave Lumber Core (SLC), Add</i>	607.49	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	364.50	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	97.20	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	437.39	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	607.49	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	971.99	
			<i>For &gt;50 To 100, Deduct</i>	-50.72	
			<i>For &gt;100, Deduct</i>	-74.37	
			<i>For 9' Door Height, Add</i>	170.10	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0533 EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	1,023.40	68.11
For 7 Ply Cold Press Construction, Deduct	-17.74	
For Stave Lumber Core (SLC), Add	665.39	
For Structural Composite Lumber Core (SCLC), Add	399.23	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	106.46	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	479.08	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	665.39	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	1,064.62	
For >50 To 100, Deduct	-54.58	
For >100, Deduct	-80.16	
For 9' Door Height, Add	186.31	
<b>08 14 16 00-0534 Walnut Faced Wood Doors (08 14 16 00-0440)</b>		
08 14 16 00-0535 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	669.18	59.93
For 7 Ply Cold Press Construction, Deduct	-10.99	
For Stave Lumber Core (SLC), Add	411.98	
For Structural Composite Lumber Core (SCLC), Add	247.19	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	65.92	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	296.63	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	411.98	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	659.17	
For >50 To 100, Deduct	-36.46	
For >100, Deduct	-53.19	
08 14 16 00-0536 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	669.18	59.93
For 7 Ply Cold Press Construction, Deduct	-10.99	
For Stave Lumber Core (SLC), Add	411.98	
For Structural Composite Lumber Core (SCLC), Add	247.19	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	65.92	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	296.63	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	411.98	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	659.17	
For >50 To 100, Deduct	-36.46	
For >100, Deduct	-53.19	
08 14 16 00-0537 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	674.80	62.66
For 7 Ply Cold Press Construction, Deduct	-10.99	
For Stave Lumber Core (SLC), Add	412.11	
For Structural Composite Lumber Core (SCLC), Add	247.27	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	65.94	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	296.72	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	412.11	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	659.38	
For >50 To 100, Deduct	-36.87	
For >100, Deduct	-53.74	
08 14 16 00-0538 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	680.46	62.66
For 7 Ply Cold Press Construction, Deduct	-11.10	
For Stave Lumber Core (SLC), Add	416.36	
For Structural Composite Lumber Core (SCLC), Add	249.81	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	66.62	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	299.78	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	416.36	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	666.17	
For >50 To 100, Deduct	-37.16	
For >100, Deduct	-54.17	
08 14 16 00-0539 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	695.27	62.66
For 7 Ply Cold Press Construction, Deduct	-11.40	
For Stave Lumber Core (SLC), Add	427.46	
For Structural Composite Lumber Core (SCLC), Add	256.48	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	68.39	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	307.77	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	427.46	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	683.94	
For >50 To 100, Deduct	-37.90	
For >100, Deduct	-55.28	
08 14 16 00-0540 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	715.50	65.38
For 7 Ply Cold Press Construction, Deduct	-11.69	
For Stave Lumber Core (SLC), Add	438.55	
For Structural Composite Lumber Core (SCLC), Add	263.13	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	70.17	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	315.75	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	438.55	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	701.68	
For >50 To 100, Deduct	-39.04	
For >100, Deduct	-56.93	
08 14 16 00-0541 EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	753.90	65.38
For 7 Ply Cold Press Construction, Deduct	-12.46	
For Stave Lumber Core (SLC), Add	467.35	
For Structural Composite Lumber Core (SCLC), Add	280.41	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	74.78	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	336.49	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	467.35	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	747.76	
For >50 To 100, Deduct	-40.96	
For >100, Deduct	-59.81	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0542	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door .....921.43		68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-15.70	
			<i>For Stave Lumber Core (SLC), Add</i>	588.91	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	353.34	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	94.23	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	424.01	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	588.91	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	942.25	
			<i>For &gt;50 To 100, Deduct</i>	-49.48	
			<i>For &gt;100, Deduct</i>	-72.51	
08 14 16 00-0543	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door .....960.67		68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-16.49	
			<i>For Stave Lumber Core (SLC), Add</i>	618.34	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	371.00	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	98.93	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	445.20	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	618.34	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	989.34	
			<i>For &gt;50 To 100, Deduct</i>	-51.44	
			<i>For &gt;100, Deduct</i>	-75.46	
08 14 16 00-0544	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door .....1,039.24		68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-18.06	
			<i>For Stave Lumber Core (SLC), Add</i>	677.27	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	406.36	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	108.36	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	487.63	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	677.27	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	1,083.62	
			<i>For &gt;50 To 100, Deduct</i>	-55.37	
			<i>For &gt;100, Deduct</i>	-81.35	
08 14 16 00-0545	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door .....701.14		59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.63	
			<i>For Stave Lumber Core (SLC), Add</i>	435.95	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	261.57	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	69.75	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	313.89	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	435.95	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	697.52	
			<i>For &gt;50 To 100, Deduct</i>	-38.05	
			<i>For &gt;100, Deduct</i>	-55.58	
08 14 16 00-0546	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door .....701.14		59.93
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.63	
			<i>For Stave Lumber Core (SLC), Add</i>	435.95	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	261.57	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	69.75	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	313.89	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	435.95	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	697.52	
			<i>For &gt;50 To 100, Deduct</i>	-38.05	
			<i>For &gt;100, Deduct</i>	-55.58	
08 14 16 00-0547	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door .....706.77		62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.63	
			<i>For Stave Lumber Core (SLC), Add</i>	436.09	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	261.65	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	69.77	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	313.98	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	436.09	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	697.74	
			<i>For &gt;50 To 100, Deduct</i>	-38.47	
			<i>For &gt;100, Deduct</i>	-56.14	
08 14 16 00-0548	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door .....712.78		62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.75	
			<i>For Stave Lumber Core (SLC), Add</i>	440.60	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	264.36	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	70.50	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	317.23	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	440.60	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	704.95	
			<i>For &gt;50 To 100, Deduct</i>	-38.77	
			<i>For &gt;100, Deduct</i>	-56.59	
08 14 16 00-0549	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door .....728.44		62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-12.06	
			<i>For Stave Lumber Core (SLC), Add</i>	452.34	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	271.40	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	72.37	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	325.68	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	452.34	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	723.74	
			<i>For &gt;50 To 100, Deduct</i>	-39.56	
			<i>For &gt;100, Deduct</i>	-57.77	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0550 EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	749.52 -12.38 464.06 278.44 74.25 334.13 464.06 742.50 -40.75 -59.48	65.38
08 14 16 00-0551 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	790.18 -13.19 494.56 296.73 79.13 356.08 494.56 791.29 -42.78 -62.53	65.38
08 14 16 00-0552 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	967.11 -16.62 623.17 373.90 99.71 448.68 623.17 997.07 -51.76 -75.94	68.11
08 14 16 00-0553 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	1,008.65 -17.45 654.32 392.59 104.69 471.11 654.32 1,046.92 -53.84 -79.05	68.11
08 14 16 00-0554 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	1,091.78 -19.11 716.67 430.00 114.67 516.00 716.67 1,146.67 -57.99 -85.29	68.11
08 14 16 00-0555 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	814.49 -13.89 520.97 312.58 83.35 375.09 520.97 833.54 -43.72 -64.08 145.87	59.93
08 14 16 00-0556 EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	814.49 -13.89 520.97 312.58 83.35 375.09 520.97 833.54 -43.72 -64.08 145.87	59.93
08 14 16 00-0557 EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	820.16 -13.90 521.13 312.68 83.38 375.21 521.13 833.81 -44.14 -64.65 145.92	62.66

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0558	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... 827.33		62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-14.04	
			<i>For Stave Lumber Core (SLC), Add</i>	526.51	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	315.90	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	84.24	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	379.09	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	526.51	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	842.41	
			<i>For &gt;50 To 100, Deduct</i>	-44.50	
			<i>For &gt;100, Deduct</i>	-65.18	
			<i>For 9' Door Height, Add</i>	147.42	
08 14 16 00-0559	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... 846.04		62.66
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-14.41	
			<i>For Stave Lumber Core (SLC), Add</i>	540.54	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	324.32	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	86.49	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	389.19	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	540.54	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	864.86	
			<i>For &gt;50 To 100, Deduct</i>	-45.44	
			<i>For &gt;100, Deduct</i>	-66.59	
			<i>For 9' Door Height, Add</i>	151.35	
08 14 16 00-0560	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... 870.19		65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-14.79	
			<i>For Stave Lumber Core (SLC), Add</i>	554.57	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	332.74	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	88.73	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	399.29	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	554.57	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	887.30	
			<i>For &gt;50 To 100, Deduct</i>	-46.78	
			<i>For &gt;100, Deduct</i>	-68.53	
			<i>For 9' Door Height, Add</i>	155.28	
08 14 16 00-0561	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... 918.77		65.38
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-15.76	
			<i>For Stave Lumber Core (SLC), Add</i>	591.00	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	354.60	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	94.56	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	425.52	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	591.00	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	945.60	
			<i>For &gt;50 To 100, Deduct</i>	-49.21	
			<i>For &gt;100, Deduct</i>	-72.18	
			<i>For 9' Door Height, Add</i>	165.48	
08 14 16 00-0562	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... 1,129.15		68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-19.86	
			<i>For Stave Lumber Core (SLC), Add</i>	744.70	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	446.82	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	119.15	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	536.18	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	744.70	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	1,191.52	
			<i>For &gt;50 To 100, Deduct</i>	-59.86	
			<i>For &gt;100, Deduct</i>	-88.09	
			<i>For 9' Door Height, Add</i>	208.52	
08 14 16 00-0563	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... 1,178.79		68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-20.85	
			<i>For Stave Lumber Core (SLC), Add</i>	781.93	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	469.16	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	125.11	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	562.99	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	781.93	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	1,251.08	
			<i>For &gt;50 To 100, Deduct</i>	-62.35	
			<i>For &gt;100, Deduct</i>	-91.81	
			<i>For 9' Door Height, Add</i>	218.94	
08 14 16 00-0564	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... 1,278.11		68.11
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-22.84	
			<i>For Stave Lumber Core (SLC), Add</i>	856.42	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	513.85	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	137.03	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	616.62	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	856.42	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	1,370.27	
			<i>For &gt;50 To 100, Deduct</i>	-67.31	
			<i>For &gt;100, Deduct</i>	-99.26	
			<i>For 9' Door Height, Add</i>	239.80	
<b>08 14 16 00-0565</b>			<b>Lauan Faced Wood Doors</b> (08 14 16 00-0440)		
08 14 16 00-0566	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... 340.64		59.93
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.49	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	119.22	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	165.58	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	264.92	
			<i>For &gt;50 To 100, Deduct</i>	-20.03	
			<i>For &gt;100, Deduct</i>	-28.54	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0567	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	340.64 26.49 119.22 165.58 264.92 -20.03 -28.54	59.93
08 14 16 00-0568	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	346.73 26.57 119.56 166.06 265.69 -20.47 -29.14	62.66
08 14 16 00-0569	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	353.09 27.33 123.00 170.83 273.32 -20.79 -29.61	62.66
08 14 16 00-0570	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	355.39 27.61 124.24 172.55 276.08 -20.90 -29.79	62.66
08 14 16 00-0571	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	363.14 27.88 125.48 174.28 278.84 -21.43 -30.50	65.38
08 14 16 00-0572	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	384.14 30.40 136.82 190.03 304.04 -22.48 -32.08	65.38
08 14 16 00-0573	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	407.66 32.57 146.58 203.58 325.73 -23.79 -33.98	68.11
08 14 16 00-0574	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	421.23 34.20 153.91 213.76 342.01 -24.47 -35.00	68.11
08 14 16 00-0575	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	448.39 37.46 168.57 234.13 374.60 -25.83 -37.03	68.11
08 14 16 00-0576	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	353.48 28.03 126.15 175.21 280.33 -20.67 -29.51	59.93
08 14 16 00-0577	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	353.47 28.03 126.14 175.20 280.32 -20.67 -29.51	59.93
08 14 16 00-0578	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	359.61 28.11 126.52 175.72 281.15 -21.11 -30.10	62.66

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0579	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	366.33	62.66
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.92	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	130.15	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	180.76	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	289.21	
			<i>For &gt;50 To 100, Deduct</i>	-21.45	
			<i>For &gt;100, Deduct</i>	-30.61	
08 14 16 00-0580	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	368.79	62.66
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.22	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	131.47	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	182.60	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	292.16	
			<i>For &gt;50 To 100, Deduct</i>	-21.57	
			<i>For &gt;100, Deduct</i>	-30.79	
08 14 16 00-0581	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	376.66	65.38
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.51	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	132.78	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	184.42	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	295.07	
			<i>For &gt;50 To 100, Deduct</i>	-22.10	
			<i>For &gt;100, Deduct</i>	-31.52	
08 14 16 00-0582	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	398.88	65.38
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.17	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	144.78	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	201.08	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	321.73	
			<i>For &gt;50 To 100, Deduct</i>	-23.21	
			<i>For &gt;100, Deduct</i>	-33.19	
08 14 16 00-0583	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	423.46	68.11
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.47	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	155.11	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	215.43	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	344.69	
			<i>For &gt;50 To 100, Deduct</i>	-24.58	
			<i>For &gt;100, Deduct</i>	-35.17	
08 14 16 00-0584	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	437.82	68.11
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	36.19	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	162.86	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	226.20	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	361.92	
			<i>For &gt;50 To 100, Deduct</i>	-25.30	
			<i>For &gt;100, Deduct</i>	-36.24	
08 14 16 00-0585	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	466.56	68.11
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.64	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	178.38	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	247.76	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	396.41	
			<i>For &gt;50 To 100, Deduct</i>	-26.73	
			<i>For &gt;100, Deduct</i>	-38.40	
08 14 16 00-0586	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	399.01	59.93
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	33.50	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	150.74	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	209.36	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	334.97	
			<i>For &gt;50 To 100, Deduct</i>	-22.95	
			<i>For &gt;100, Deduct</i>	-32.92	
			<i>For 9' Door Height, Add</i>	58.62	
08 14 16 00-0587	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	399.01	59.93
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	33.50	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	150.74	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	209.36	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	334.97	
			<i>For &gt;50 To 100, Deduct</i>	-22.95	
			<i>For &gt;100, Deduct</i>	-32.92	
			<i>For 9' Door Height, Add</i>	58.62	
08 14 16 00-0588	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	405.28	62.66
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	33.60	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	151.18	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	209.97	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	335.95	
			<i>For &gt;50 To 100, Deduct</i>	-23.40	
			<i>For &gt;100, Deduct</i>	-33.53	
			<i>For 9' Door Height, Add</i>	58.79	
08 14 16 00-0589	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	413.34	62.66
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.56	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	155.53	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	216.02	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	345.62	
			<i>For &gt;50 To 100, Deduct</i>	-23.80	
			<i>For &gt;100, Deduct</i>	-34.13	
			<i>For 9' Door Height, Add</i>	60.48	





<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0590 EA 2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	416.27 34.91 157.11 218.21 349.14 -23.95 -34.35 61.10	62.66
08 14 16 00-0591 EA 3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	424.62 35.26 158.68 220.39 352.62 -24.50 -35.12 61.71	65.38
08 14 16 00-0592 EA 3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	451.18 38.45 173.02 240.31 384.49 -25.83 -37.11 67.29	65.38
08 14 16 00-0593 EA 3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	479.47 41.19 185.36 257.44 411.90 -27.38 -39.37 72.08	68.11
08 14 16 00-0594 EA 3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	496.61 43.25 194.61 270.29 432.47 -28.24 -40.65 75.68	68.11
08 14 16 00-0595 EA 4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	530.98 47.37 213.17 296.07 473.71 -29.95 -43.23 82.90	68.11
<b>08 14 16 00-0596 Medium Density Overlay (MDO) Wood Doors (08 14 16 00-0440)</b>		
08 14 16 00-0597 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	350.01 172.61 103.56 27.62 -20.50 -29.25	59.93
08 14 16 00-0598 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	350.01 172.61 103.56 27.62 -20.50 -29.25	59.93
08 14 16 00-0599 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	368.79 182.60 109.56 29.22 -21.57 -30.79	62.66
08 14 16 00-0600 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	382.08 192.57 115.54 30.81 -22.24 -31.79	62.66
08 14 16 00-0601 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	384.56 194.43 116.66 31.11 -22.36 -31.98	62.66
08 14 16 00-0602 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	392.52 196.31 117.79 31.41 -22.90 -32.71	65.38

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0603	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	421.37 217.95 130.77 34.87 -24.34 -34.87	65.38
08 14 16 00-0604	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	479.50 257.46 154.48 41.19 -27.38 -39.37	68.11
08 14 16 00-0605	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	496.68 270.35 162.21 43.26 -28.24 -40.66	68.11
08 14 16 00-0606	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	530.98 296.07 177.64 47.37 -29.95 -43.23	68.11
08 14 16 00-0607	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	363.41 182.66 109.59 29.22 -21.17 -30.25	59.93
08 14 16 00-0608	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	363.41 182.66 109.59 29.22 -21.17 -30.25	59.93
08 14 16 00-0609	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	382.97 193.24 115.94 30.92 -22.28 -31.86	62.66
08 14 16 00-0610	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	397.04 203.79 122.27 32.61 -22.99 -32.91	62.66
08 14 16 00-0611	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	399.66 205.76 123.45 32.92 -23.12 -33.11	62.66
08 14 16 00-0612	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	407.76 207.74 124.65 33.24 -23.66 -33.85	65.38
08 14 16 00-0613	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	438.27 230.63 138.38 36.90 -25.18 -36.14	65.38
08 14 16 00-0614	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	499.48 272.45 163.47 43.59 -28.38 -40.87	68.11
08 14 16 00-0615	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	517.65 286.07 171.64 45.77 -29.29 -42.23	68.11
08 14 16 00-0616	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	553.96 313.31 187.98 50.13 -31.10 -44.95	68.11



<b>Openings</b>	<b>08</b>
Doors and Frames	08 10
Wood Doors	08 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0617	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	410.89	59.93
			<i>For Stave Lumber Core (SLC), Add</i>	218.27	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	130.96	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.92	
			<i>For &gt;50 To 100, Deduct</i>	-23.54	
			<i>For &gt;100, Deduct</i>	-33.81	
			<i>For 9' Door Height, Add</i>	61.11	
08 14 16 00-0618	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	410.89	59.93
			<i>For Stave Lumber Core (SLC), Add</i>	218.27	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	130.96	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.92	
			<i>For &gt;50 To 100, Deduct</i>	-23.54	
			<i>For &gt;100, Deduct</i>	-33.81	
			<i>For 9' Door Height, Add</i>	61.11	
08 14 16 00-0619	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	433.21	62.66
			<i>For Stave Lumber Core (SLC), Add</i>	230.92	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	138.55	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	36.95	
			<i>For &gt;50 To 100, Deduct</i>	-24.79	
			<i>For &gt;100, Deduct</i>	-35.62	
			<i>For 9' Door Height, Add</i>	64.66	
08 14 16 00-0620	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	450.04	62.66
			<i>For Stave Lumber Core (SLC), Add</i>	243.54	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	146.12	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.97	
			<i>For &gt;50 To 100, Deduct</i>	-25.64	
			<i>For &gt;100, Deduct</i>	-36.89	
			<i>For 9' Door Height, Add</i>	68.19	
08 14 16 00-0621	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	453.15	62.66
			<i>For Stave Lumber Core (SLC), Add</i>	245.87	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	147.52	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.34	
			<i>For &gt;50 To 100, Deduct</i>	-25.79	
			<i>For &gt;100, Deduct</i>	-37.12	
			<i>For 9' Door Height, Add</i>	68.84	
08 14 16 00-0622	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	461.78	65.38
			<i>For Stave Lumber Core (SLC), Add</i>	248.26	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	148.95	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.72	
			<i>For &gt;50 To 100, Deduct</i>	-26.36	
			<i>For &gt;100, Deduct</i>	-37.90	
			<i>For 9' Door Height, Add</i>	69.51	
08 14 16 00-0623	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	498.24	65.38
			<i>For Stave Lumber Core (SLC), Add</i>	275.60	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	165.36	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	44.10	
			<i>For &gt;50 To 100, Deduct</i>	-28.18	
			<i>For &gt;100, Deduct</i>	-40.64	
			<i>For 9' Door Height, Add</i>	77.17	
08 14 16 00-0624	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	570.30	68.11
			<i>For Stave Lumber Core (SLC), Add</i>	325.56	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	195.34	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	52.09	
			<i>For &gt;50 To 100, Deduct</i>	-31.92	
			<i>For &gt;100, Deduct</i>	-46.18	
			<i>For 9' Door Height, Add</i>	91.16	
08 14 16 00-0625	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	592.04	68.11
			<i>For Stave Lumber Core (SLC), Add</i>	341.87	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	205.12	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	54.70	
			<i>For &gt;50 To 100, Deduct</i>	-33.01	
			<i>For &gt;100, Deduct</i>	-47.81	
			<i>For 9' Door Height, Add</i>	95.72	
08 14 16 00-0626	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	635.43	68.11
			<i>For Stave Lumber Core (SLC), Add</i>	374.41	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	224.64	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	59.91	
			<i>For &gt;50 To 100, Deduct</i>	-35.18	
			<i>For &gt;100, Deduct</i>	-51.06	
			<i>For 9' Door Height, Add</i>	104.83	
<b>08 14 16 00-0627</b>			<b>Manufacturer Prefinished Options For Flush Wood Doors</b> <small>(08 14 16)</small>		
08 14 16 00-0628	EA		Two Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door.....	68.63	
			Note: Includes (2) coats any standard manufacturer color on six sides.		
			<i>For Custom Color To Match Non Standard Manufacturer Finish, Add</i>	22.85	
08 14 16 00-0629	EA		Three Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door.....	102.94	
			Note: Includes (3) coats any standard manufacturer color on six sides.		
			<i>For Custom Color To Match Non Standard Manufacturer Finish, Add</i>	22.85	
<b>08 14 16 00-0630</b>			<b>Exterior Doors, Premium Grade Door</b> <small>(08 14 16)</small>		
			Note: Window and Door Manufacturers Association (WDMA), Plain slice, book matched, Grade A Premium, pre-finished		

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 16 00-0631	EA	3' x 7' x 1-3/4" Window and Door Manufacturers Association (WDMA), White Birch, Solid Wood.....	1,515.46		65.38
		<i>For &gt;50 To 100, Deduct</i>	-79.04		
		<i>For &gt;100, Deduct</i>	-116.93		
08 14 16 00-0632	EA	3' x 7' x 1-3/4" Window and Door Manufacturers Association (WDMA), White Birch, Solid Wood, 60 - 90 Minute Fire Rated Doors .....	1,872.08		65.38
		<i>For &gt;50 To 100, Deduct</i>	-96.87		
		<i>For &gt;100, Deduct</i>	-143.68		
<b>08 14 16 00-0633</b>		<b>Semicircular Head Door, 1-3/4" Thick, Particleboard Core (PC), Wood Doors <small>(08 14 16)</small></b>			
08 14 16 00-0634	EA	2' x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door .....	2,993.23		47.95
08 14 16 00-0635	EA	2'-4" x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door .....	2,993.23		149.62
08 14 16 00-0636	EA	2'-6" x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door .....	2,993.23		47.95
<b>08 14 23</b>		<b>Clad Wood Doors <small>(08 14)</small></b>			
<b>08 14 23 13</b>		<b>Metal-Faced Wood Doors <small>(08 14 23)</small></b>			
		See CSI section 08 70 00 00-0000 for finish hardware.			
<b>08 14 23 13-0001</b>		<b>24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core <small>(08 14 23 13)</small></b>			
08 14 23 13-0002	EA	2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....	770.94		134.04
08 14 23 13-0003	EA	2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....	822.70		147.12
08 14 23 13-0004	EA	2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....	882.56		162.37
08 14 23 13-0005	EA	3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....	922.72		167.81
08 14 23 13-0006	EA	3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....	985.72		184.71
08 14 23 13-0007	EA	3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door .....	1,070.86		190.71
<b>08 14 23 16</b>		<b>Plastic-Laminate-Faced Wood Doors <small>(08 14 23)</small></b>			
<b>08 14 23 16-0001</b>		<b>1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors <small>(08 14 23 16)</small></b>			
		Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.			
08 14 23 16-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	261.45		59.93
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	63.71		
		<i>For 5 Ply Construction, Add</i>	4.96		
		<i>For &gt;50 To 100, Deduct</i>	-16.07		
		<i>For &gt;100, Deduct</i>	-22.61		
08 14 23 16-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	261.45		59.93
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	63.71		
		<i>For 5 Ply Construction, Add</i>	4.96		
		<i>For &gt;50 To 100, Deduct</i>	-16.07		
		<i>For &gt;100, Deduct</i>	-22.61		
08 14 23 16-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	274.69		62.66
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	67.22		
		<i>For 5 Ply Construction, Add</i>	5.23		
		<i>For &gt;50 To 100, Deduct</i>	-16.87		
		<i>For &gt;100, Deduct</i>	-23.73		
08 14 23 16-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	282.47		62.66
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	70.72		
		<i>For 5 Ply Construction, Add</i>	5.50		
		<i>For &gt;50 To 100, Deduct</i>	-17.26		
		<i>For &gt;100, Deduct</i>	-24.32		
08 14 23 16-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	286.40		62.66
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	72.49		
		<i>For 5 Ply Construction, Add</i>	5.64		
		<i>For &gt;50 To 100, Deduct</i>	-17.45		
		<i>For &gt;100, Deduct</i>	-24.61		
08 14 23 16-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	295.76		65.38
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	74.25		
		<i>For 5 Ply Construction, Add</i>	5.77		
		<i>For &gt;50 To 100, Deduct</i>	-18.06		
		<i>For &gt;100, Deduct</i>	-25.45		
08 14 23 16-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	313.90		65.38
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	82.41		
		<i>For 5 Ply Construction, Add</i>	6.41		
		<i>For &gt;50 To 100, Deduct</i>	-18.96		
		<i>For &gt;100, Deduct</i>	-26.81		
08 14 23 16-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	331.07		68.11
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	87.68		
		<i>For 5 Ply Construction, Add</i>	6.82		
		<i>For &gt;50 To 100, Deduct</i>	-19.96		
		<i>For &gt;100, Deduct</i>	-28.24		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0010	EA			2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	269.69	59.93
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	67.42	
				<i>For 5 Ply Construction, Add</i>	5.24	
				<i>For &gt;50 To 100, Deduct</i>	-16.48	
				<i>For &gt;100, Deduct</i>	-23.22	
08 14 23 16-0011	EA			2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	269.68	59.93
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	67.41	
				<i>For 5 Ply Construction, Add</i>	5.24	
				<i>For &gt;50 To 100, Deduct</i>	-16.48	
				<i>For &gt;100, Deduct</i>	-23.22	
08 14 23 16-0012	EA			2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	283.38	62.66
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	71.13	
				<i>For 5 Ply Construction, Add</i>	5.53	
				<i>For &gt;50 To 100, Deduct</i>	-17.30	
				<i>For &gt;100, Deduct</i>	-24.39	
08 14 23 16-0013	EA			2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	291.62	62.66
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	74.64	
				<i>For 5 Ply Construction, Add</i>	5.82	
				<i>For &gt;50 To 100, Deduct</i>	-17.71	
				<i>For &gt;100, Deduct</i>	-25.00	
08 14 23 16-0014	EA			2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	295.77	62.66
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	76.70	
				<i>For 5 Ply Construction, Add</i>	5.97	
				<i>For &gt;50 To 100, Deduct</i>	-17.92	
				<i>For &gt;100, Deduct</i>	-25.32	
08 14 23 16-0015	EA			3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	305.36	65.38
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	78.57	
				<i>For 5 Ply Construction, Add</i>	6.11	
				<i>For &gt;50 To 100, Deduct</i>	-18.54	
				<i>For &gt;100, Deduct</i>	-26.17	
08 14 23 16-0016	EA			3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	324.56	65.38
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	87.21	
				<i>For 5 Ply Construction, Add</i>	6.78	
				<i>For &gt;50 To 100, Deduct</i>	-19.50	
				<i>For &gt;100, Deduct</i>	-27.61	
08 14 23 16-0017	EA			3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	342.41	68.11
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	92.79	
				<i>For 5 Ply Construction, Add</i>	7.22	
				<i>For &gt;50 To 100, Deduct</i>	-20.53	
				<i>For &gt;100, Deduct</i>	-29.09	
08 14 23 16-0018	EA			2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	298.90	59.93
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	80.56	
				<i>For 5 Ply Construction, Add</i>	6.27	
				<i>For &gt;50 To 100, Deduct</i>	-17.94	
				<i>For &gt;100, Deduct</i>	-25.41	
08 14 23 16-0019	EA			2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	298.90	59.93
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	80.56	
				<i>For 5 Ply Construction, Add</i>	6.27	
				<i>For &gt;50 To 100, Deduct</i>	-17.94	
				<i>For &gt;100, Deduct</i>	-25.41	
08 14 23 16-0020	EA			2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	314.21	62.66
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	85.00	
				<i>For 5 Ply Construction, Add</i>	6.61	
				<i>For &gt;50 To 100, Deduct</i>	-18.84	
				<i>For &gt;100, Deduct</i>	-26.70	
08 14 23 16-0021	EA			2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	324.05	62.66
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	89.43	
				<i>For 5 Ply Construction, Add</i>	6.96	
				<i>For &gt;50 To 100, Deduct</i>	-19.34	
				<i>For &gt;100, Deduct</i>	-27.44	
08 14 23 16-0022	EA			2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	329.01	62.66
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	91.66	
				<i>For 5 Ply Construction, Add</i>	7.13	
				<i>For &gt;50 To 100, Deduct</i>	-19.58	
				<i>For &gt;100, Deduct</i>	-27.81	
08 14 23 16-0023	EA			3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	339.41	65.38
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	93.89	
				<i>For 5 Ply Construction, Add</i>	7.30	
				<i>For &gt;50 To 100, Deduct</i>	-20.24	
				<i>For &gt;100, Deduct</i>	-28.73	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0024	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	362.35	65.38
			For Structural Composite Lumber Core (SCLC), Add	104.21	
			For 5 Ply Construction, Add	8.11	
			For >50 To 100, Deduct	-21.39	
			For >100, Deduct	-30.45	
08 14 23 16-0025	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	382.62	68.11
			For Structural Composite Lumber Core (SCLC), Add	110.88	
			For 5 Ply Construction, Add	8.62	
			For >50 To 100, Deduct	-22.54	
			For >100, Deduct	-32.10	
08 14 23 16-0026			<b>1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors</b> <small>(08 14 23 16)</small>		
			Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 16-0027	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	361.08	59.93
			For 5 Ply Construction, Add	8.44	
			For Stave Lumber Core (SLC), Add	180.91	
			For Structural Composite Lumber Core (SCLC), Add	108.54	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.95	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	130.25	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	180.91	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	289.45	
			For >50 To 100, Deduct	-21.05	
			For >100, Deduct	-30.08	
08 14 23 16-0028	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	361.07	59.93
			For 5 Ply Construction, Add	8.44	
			For Stave Lumber Core (SLC), Add	180.90	
			For Structural Composite Lumber Core (SCLC), Add	108.54	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.94	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	130.25	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	180.90	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	289.44	
			For >50 To 100, Deduct	-21.05	
			For >100, Deduct	-30.08	
08 14 23 16-0029	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	374.06	62.66
			For 5 Ply Construction, Add	8.71	
			For Stave Lumber Core (SLC), Add	186.56	
			For Structural Composite Lumber Core (SCLC), Add	111.93	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.85	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	134.32	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	186.56	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	298.49	
			For >50 To 100, Deduct	-21.84	
			For >100, Deduct	-31.19	
08 14 23 16-0030	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	374.06	62.66
			For 5 Ply Construction, Add	8.71	
			For Stave Lumber Core (SLC), Add	186.56	
			For Structural Composite Lumber Core (SCLC), Add	111.93	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.85	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	134.32	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	186.56	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	298.49	
			For >50 To 100, Deduct	-21.84	
			For >100, Deduct	-31.19	
08 14 23 16-0031	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	389.00	62.66
			For 5 Ply Construction, Add	9.23	
			For Stave Lumber Core (SLC), Add	197.76	
			For Structural Composite Lumber Core (SCLC), Add	118.66	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.64	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	142.39	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	197.76	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	316.42	
			For >50 To 100, Deduct	-22.58	
			For >100, Deduct	-32.31	
08 14 23 16-0032	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	409.39	65.38
			For 5 Ply Construction, Add	9.75	
			For Stave Lumber Core (SLC), Add	208.97	
			For Structural Composite Lumber Core (SCLC), Add	125.38	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.43	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	150.45	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	208.97	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	334.34	
			For >50 To 100, Deduct	-23.74	
			For >100, Deduct	-33.97	



<b>Openings</b>	<b>08</b>
<b>Doors and Frames</b>	<b>08 10</b>
<b>Wood Doors</b>	<b>08 14</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0033 EA 3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	424.66	65.38
For 5 Ply Construction, Add	10.29	
For Stave Lumber Core (SLC), Add	220.42	
For Structural Composite Lumber Core (SCLC), Add	132.25	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.27	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	158.70	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	220.42	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	352.67	
For >50 To 100, Deduct	-24.50	
For >100, Deduct	-35.12	
08 14 23 16-0034 EA 3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	437.74	68.11
For 5 Ply Construction, Add	10.55	
For Stave Lumber Core (SLC), Add	226.14	
For Structural Composite Lumber Core (SCLC), Add	135.68	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.18	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	162.82	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	226.14	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	361.82	
For >50 To 100, Deduct	-25.29	
For >100, Deduct	-36.24	
08 14 23 16-0035 EA 3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	452.81	68.11
For 5 Ply Construction, Add	11.08	
For Stave Lumber Core (SLC), Add	237.44	
For Structural Composite Lumber Core (SCLC), Add	142.47	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.99	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	170.96	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	237.44	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	379.91	
For >50 To 100, Deduct	-26.05	
For >100, Deduct	-37.37	
08 14 23 16-0036 EA 4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	493.86	73.56
For 5 Ply Construction, Add	12.14	
For Stave Lumber Core (SLC), Add	260.06	
For Structural Composite Lumber Core (SCLC), Add	156.03	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.61	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	187.24	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	260.06	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	416.09	
For >50 To 100, Deduct	-28.37	
For >100, Deduct	-40.72	
08 14 23 16-0037 EA 2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	375.12	59.93
For 5 Ply Construction, Add	8.93	
For Stave Lumber Core (SLC), Add	191.44	
For Structural Composite Lumber Core (SCLC), Add	114.86	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.63	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	137.84	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	191.44	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	306.30	
For >50 To 100, Deduct	-21.75	
For >100, Deduct	-31.13	
08 14 23 16-0038 EA 2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	375.11	59.93
For 5 Ply Construction, Add	8.93	
For Stave Lumber Core (SLC), Add	191.43	
For Structural Composite Lumber Core (SCLC), Add	114.86	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.63	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	137.83	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	191.43	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	306.29	
For >50 To 100, Deduct	-21.75	
For >100, Deduct	-31.13	
08 14 23 16-0039 EA 2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	388.54	62.66
For 5 Ply Construction, Add	9.21	
For Stave Lumber Core (SLC), Add	197.42	
For Structural Composite Lumber Core (SCLC), Add	118.45	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.59	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	142.14	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	197.42	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	315.86	
For >50 To 100, Deduct	-22.56	
For >100, Deduct	-32.27	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 14 23 16-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	388.54	62.66
		For 5 Ply Construction, Add	9.21	
		For Stave Lumber Core (SLC), Add	197.42	
		For Structural Composite Lumber Core (SCLC), Add	118.45	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.59	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	142.14	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	197.42	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	315.86	
		For >50 To 100, Deduct	-22.56	
		For >100, Deduct	-32.27	
08 14 23 16-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	404.35	62.66
		For 5 Ply Construction, Add	9.77	
		For Stave Lumber Core (SLC), Add	209.27	
		For Structural Composite Lumber Core (SCLC), Add	125.56	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.48	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	150.68	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	209.27	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	334.84	
		For >50 To 100, Deduct	-23.35	
		For >100, Deduct	-33.46	
08 14 23 16-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	425.61	65.38
		For 5 Ply Construction, Add	10.32	
		For Stave Lumber Core (SLC), Add	221.13	
		For Structural Composite Lumber Core (SCLC), Add	132.68	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.38	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	159.21	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	221.13	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	353.81	
		For >50 To 100, Deduct	-24.55	
		For >100, Deduct	-35.19	
08 14 23 16-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	441.76	65.38
		For 5 Ply Construction, Add	10.88	
		For Stave Lumber Core (SLC), Add	233.24	
		For Structural Composite Lumber Core (SCLC), Add	139.95	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.32	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	167.93	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	233.24	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	373.19	
		For >50 To 100, Deduct	-25.36	
		For >100, Deduct	-36.40	
08 14 23 16-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	455.28	68.11
		For 5 Ply Construction, Add	11.17	
		For Stave Lumber Core (SLC), Add	239.30	
		For Structural Composite Lumber Core (SCLC), Add	143.58	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.29	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.29	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	239.30	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	382.87	
		For >50 To 100, Deduct	-26.17	
		For >100, Deduct	-37.55	
08 14 23 16-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	471.23	68.11
		For 5 Ply Construction, Add	11.73	
		For Stave Lumber Core (SLC), Add	251.26	
		For Structural Composite Lumber Core (SCLC), Add	150.75	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.20	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	180.91	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	251.26	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	402.01	
		For >50 To 100, Deduct	-26.97	
		For >100, Deduct	-38.75	
08 14 23 16-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	514.03	73.56
		For 5 Ply Construction, Add	12.84	
		For Stave Lumber Core (SLC), Add	275.18	
		For Structural Composite Lumber Core (SCLC), Add	165.11	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.03	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	198.13	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	275.18	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	440.29	
		For >50 To 100, Deduct	-29.38	
		For >100, Deduct	-42.23	





<b>Openings</b>	<b>08</b>
Doors and Frames	08 10
Wood Doors	08 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0047 EA 2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	424.90	59.93
For 5 Ply Construction, Add	10.68	
For Stave Lumber Core (SLC), Add	228.77	
For Structural Composite Lumber Core (SCLC), Add	137.26	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.60	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	164.72	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	228.77	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	366.04	
For >50 To 100, Deduct	-24.24	
For >100, Deduct	-34.86	
08 14 23 16-0048 EA 2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	424.88	59.93
For 5 Ply Construction, Add	10.68	
For Stave Lumber Core (SLC), Add	228.76	
For Structural Composite Lumber Core (SCLC), Add	137.25	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.60	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	164.71	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	228.76	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	366.01	
For >50 To 100, Deduct	-24.24	
For >100, Deduct	-34.86	
08 14 23 16-0049 EA 2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	439.87	62.66
For 5 Ply Construction, Add	11.01	
For Stave Lumber Core (SLC), Add	235.91	
For Structural Composite Lumber Core (SCLC), Add	141.55	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.75	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	169.86	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	235.91	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	377.46	
For >50 To 100, Deduct	-25.13	
For >100, Deduct	-36.12	
08 14 23 16-0050 EA 2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	439.87	62.66
For 5 Ply Construction, Add	11.01	
For Stave Lumber Core (SLC), Add	235.91	
For Structural Composite Lumber Core (SCLC), Add	141.55	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.75	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	169.86	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	235.91	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	377.46	
For >50 To 100, Deduct	-25.13	
For >100, Deduct	-36.12	
08 14 23 16-0051 EA 2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	458.76	62.66
For 5 Ply Construction, Add	11.67	
For Stave Lumber Core (SLC), Add	250.08	
For Structural Composite Lumber Core (SCLC), Add	150.05	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.01	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	180.06	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	250.08	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	400.13	
For >50 To 100, Deduct	-26.07	
For >100, Deduct	-37.54	
08 14 23 16-0052 EA 3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	483.10	65.38
For 5 Ply Construction, Add	12.33	
For Stave Lumber Core (SLC), Add	264.25	
For Structural Composite Lumber Core (SCLC), Add	158.55	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.28	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	190.26	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	264.25	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	422.80	
For >50 To 100, Deduct	-27.42	
For >100, Deduct	-39.50	
08 14 23 16-0053 EA 3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	502.40	65.38
For 5 Ply Construction, Add	13.01	
For Stave Lumber Core (SLC), Add	278.72	
For Structural Composite Lumber Core (SCLC), Add	167.23	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.60	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	200.68	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	278.72	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	445.96	
For >50 To 100, Deduct	-28.39	
For >100, Deduct	-40.95	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 23 16-0054	EA 3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	517.49	68.11
	For 5 Ply Construction, Add	13.34	
	For Stave Lumber Core (SLC), Add	285.95	
	For Structural Composite Lumber Core (SCLC), Add	171.57	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.75	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	205.89	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	285.95	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	457.52	
	For >50 To 100, Deduct	-29.28	
	For >100, Deduct	-42.22	
08 14 23 16-0055	EA 3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	536.55	68.11
	For 5 Ply Construction, Add	14.01	
	For Stave Lumber Core (SLC), Add	300.25	
	For Structural Composite Lumber Core (SCLC), Add	180.15	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.04	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	216.18	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	300.25	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	480.40	
	For >50 To 100, Deduct	-30.23	
	For >100, Deduct	-43.65	
08 14 23 16-0056	EA 4'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	585.58	73.56
	For 5 Ply Construction, Add	15.35	
	For Stave Lumber Core (SLC), Add	328.85	
	For Structural Composite Lumber Core (SCLC), Add	197.31	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.62	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	236.77	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	328.85	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	526.15	
	For >50 To 100, Deduct	-32.96	
	For >100, Deduct	-47.60	
<b>08 14 23 19</b>	<b>Molded-Hardboard-Faced Wood Doors</b> (08 14 23)		
<b>08 14 23 19-0001</b>	<b>1-3/8" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors</b> (08 14 23 19)		
08 14 23 19-0002	EA 2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	251.22	59.93
	For >50 To 100, Deduct	-15.56	
	For >100, Deduct	-21.84	
08 14 23 19-0003	EA 2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	251.22	59.93
	For >50 To 100, Deduct	-15.56	
	For >100, Deduct	-21.84	
08 14 23 19-0004	EA 2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	266.25	62.66
	For >50 To 100, Deduct	-16.45	
	For >100, Deduct	-23.10	
08 14 23 19-0005	EA 2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	270.81	62.66
	For >50 To 100, Deduct	-16.67	
	For >100, Deduct	-23.44	
08 14 23 19-0006	EA 2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	275.34	62.66
	For >50 To 100, Deduct	-16.90	
	For >100, Deduct	-23.78	
08 14 23 19-0007	EA 3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	285.35	65.38
	For >50 To 100, Deduct	-17.54	
	For >100, Deduct	-24.67	
08 14 23 19-0008	EA 3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	302.32	65.38
	For >50 To 100, Deduct	-18.39	
	For >100, Deduct	-25.94	
08 14 23 19-0009	EA 3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	318.77	68.11
	For >50 To 100, Deduct	-19.34	
	For >100, Deduct	-27.31	
08 14 23 19-0010	EA 2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	258.86	59.93
	For >50 To 100, Deduct	-15.94	
	For >100, Deduct	-22.41	
08 14 23 19-0011	EA 2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	258.86	59.93
	For >50 To 100, Deduct	-15.94	
	For >100, Deduct	-22.41	
08 14 23 19-0012	EA 2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	274.46	62.66
	For >50 To 100, Deduct	-16.86	
	For >100, Deduct	-23.72	
08 14 23 19-0013	EA 2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	279.26	62.66
	For >50 To 100, Deduct	-17.10	
	For >100, Deduct	-24.08	
08 14 23 19-0014	EA 2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	284.07	62.66
	For >50 To 100, Deduct	-17.34	
	For >100, Deduct	-24.44	
08 14 23 19-0015	EA 3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	294.33	65.38
	For >50 To 100, Deduct	-17.99	
	For >100, Deduct	-25.34	
08 14 23 19-0016	EA 3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	312.29	65.38
	For >50 To 100, Deduct	-18.88	
	For >100, Deduct	-26.69	



<b>Openings</b>	<b>08</b>
Doors and Frames	08 10
Wood Doors	08 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0017	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	329.38 -19.87 -28.11	68.11
08 14 23 19-0018	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	285.98 -17.30 -24.45	59.93
08 14 23 19-0019	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	285.98 -17.30 -24.45	59.93
08 14 23 19-0020	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	303.55 -18.31 -25.90	62.66
08 14 23 19-0021	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	309.28 -18.60 -26.33	62.66
08 14 23 19-0022	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	315.05 -18.89 -26.76	62.66
08 14 23 19-0023	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	326.22 -19.58 -27.74	65.38
08 14 23 19-0024	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	347.69 -20.65 -29.35	65.38
08 14 23 19-0025	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	367.03 -21.76 -30.93	68.11
<b>08 14 23 19-0026</b>			<b>1-3/4" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF)</b>		
			<b>Faced Wood Doors</b> <small>(08 14 23 19)</small>		
08 14 23 19-0027	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	283.54 -17.17 -24.26	59.93
08 14 23 19-0028	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	283.54 -17.17 -24.26	59.93
08 14 23 19-0029	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	293.51 -17.81 -25.15	62.66
08 14 23 19-0030	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	302.64 -18.27 -25.83	62.66
08 14 23 19-0031	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	307.20 -18.49 -26.17	62.66
08 14 23 19-0032	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	317.14 -19.13 -27.05	65.38
08 14 23 19-0033	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	327.53 -19.65 -27.83	65.38
08 14 23 19-0034	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	366.78 -21.74 -30.91	68.11
08 14 23 19-0035	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	378.31 -22.32 -31.78	68.11
08 14 23 19-0036	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	401.40 -23.48 -33.51	68.11
08 14 23 19-0037	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	293.05 -17.65 -24.98	59.93
08 14 23 19-0038	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	293.05 -17.65 -24.98	59.93
08 14 23 19-0039	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	303.31 -18.30 -25.88	62.66
08 14 23 19-0040	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	312.96 -18.78 -26.61	62.66
08 14 23 19-0041	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	317.77 -19.02 -26.97	62.66
08 14 23 19-0042	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	327.99 -19.67 -27.87	65.38
08 14 23 19-0043	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	338.99 -20.22 -28.69	65.38

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0044	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	380.22	68.11
			<i>For &gt;50 To 100, Deduct</i>	-22.42	
			<i>For &gt;100, Deduct</i>	-31.92	
08 14 23 19-0045	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	392.42	68.11
			<i>For &gt;50 To 100, Deduct</i>	-23.03	
			<i>For &gt;100, Deduct</i>	-32.84	
08 14 23 19-0046	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	416.81	68.11
			<i>For &gt;50 To 100, Deduct</i>	-24.25	
			<i>For &gt;100, Deduct</i>	-34.67	
08 14 23 19-0047	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	326.81	59.93
			<i>For &gt;50 To 100, Deduct</i>	-19.34	
			<i>For &gt;100, Deduct</i>	-27.51	
08 14 23 19-0048	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	326.81	59.93
			<i>For &gt;50 To 100, Deduct</i>	-19.34	
			<i>For &gt;100, Deduct</i>	-27.51	
08 14 23 19-0049	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	338.03	62.66
			<i>For &gt;50 To 100, Deduct</i>	-20.03	
			<i>For &gt;100, Deduct</i>	-28.49	
08 14 23 19-0050	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	349.55	62.66
			<i>For &gt;50 To 100, Deduct</i>	-20.61	
			<i>For &gt;100, Deduct</i>	-29.35	
08 14 23 19-0051	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	355.28	62.66
			<i>For &gt;50 To 100, Deduct</i>	-20.90	
			<i>For &gt;100, Deduct</i>	-29.78	
08 14 23 19-0052	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	366.46	65.38
			<i>For &gt;50 To 100, Deduct</i>	-21.59	
			<i>For &gt;100, Deduct</i>	-30.75	
08 14 23 19-0053	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	379.58	65.38
			<i>For &gt;50 To 100, Deduct</i>	-22.25	
			<i>For &gt;100, Deduct</i>	-31.74	
08 14 23 19-0054	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	427.81	68.11
			<i>For &gt;50 To 100, Deduct</i>	-24.80	
			<i>For &gt;100, Deduct</i>	-35.49	
08 14 23 19-0055	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	442.38	68.11
			<i>For &gt;50 To 100, Deduct</i>	-25.52	
			<i>For &gt;100, Deduct</i>	-36.58	
08 14 23 19-0056	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	471.55	68.11
			<i>For &gt;50 To 100, Deduct</i>	-26.98	
			<i>For &gt;100, Deduct</i>	-38.77	
<b>08 14 23 19-0057</b>			<b>1-3/8" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors</b> <small>(08 14 23 19)</small>		
			Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 19-0058	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	303.02	59.93
			<i>For &gt;50 To 100, Deduct</i>	-18.15	
			<i>For &gt;100, Deduct</i>	-25.72	
08 14 23 19-0059	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	303.02	59.93
			<i>For &gt;50 To 100, Deduct</i>	-18.15	
			<i>For &gt;100, Deduct</i>	-25.72	
08 14 23 19-0060	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	319.11	62.66
			<i>For &gt;50 To 100, Deduct</i>	-19.09	
			<i>For &gt;100, Deduct</i>	-27.07	
08 14 23 19-0061	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	329.72	62.66
			<i>For &gt;50 To 100, Deduct</i>	-19.62	
			<i>For &gt;100, Deduct</i>	-27.86	
08 14 23 19-0062	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	331.66	62.66
			<i>For &gt;50 To 100, Deduct</i>	-19.72	
			<i>For &gt;100, Deduct</i>	-28.01	
08 14 23 19-0063	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	339.09	65.38
			<i>For &gt;50 To 100, Deduct</i>	-20.22	
			<i>For &gt;100, Deduct</i>	-28.70	
08 14 23 19-0064	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	362.08	65.38
			<i>For &gt;50 To 100, Deduct</i>	-21.37	
			<i>For &gt;100, Deduct</i>	-30.43	
08 14 23 19-0065	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	409.42	68.11
			<i>For &gt;50 To 100, Deduct</i>	-23.88	
			<i>For &gt;100, Deduct</i>	-34.11	
08 14 23 19-0066	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	313.70	59.93
			<i>For &gt;50 To 100, Deduct</i>	-18.68	
			<i>For &gt;100, Deduct</i>	-26.52	
08 14 23 19-0067	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	313.70	59.93
			<i>For &gt;50 To 100, Deduct</i>	-18.68	
			<i>For &gt;100, Deduct</i>	-26.52	



<b>Openings</b>	<b>08</b>
Doors and Frames	08 10
Wood Doors	08 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0068	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	330.39	62.66
			<i>For &gt;50 To 100, Deduct</i>	-19.65	
			<i>For &gt;100, Deduct</i>	-27.91	
08 14 23 19-0069	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	341.60	62.66
			<i>For &gt;50 To 100, Deduct</i>	-20.21	
			<i>For &gt;100, Deduct</i>	-28.75	
08 14 23 19-0070	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	343.68	62.66
			<i>For &gt;50 To 100, Deduct</i>	-20.32	
			<i>For &gt;100, Deduct</i>	-28.91	
08 14 23 19-0071	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	351.22	65.38
			<i>For &gt;50 To 100, Deduct</i>	-20.83	
			<i>For &gt;100, Deduct</i>	-29.61	
08 14 23 19-0072	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	375.55	65.38
			<i>For &gt;50 To 100, Deduct</i>	-22.05	
			<i>For &gt;100, Deduct</i>	-31.44	
08 14 23 19-0073	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	425.33	68.11
			<i>For &gt;50 To 100, Deduct</i>	-24.67	
			<i>For &gt;100, Deduct</i>	-35.31	
08 14 23 19-0074	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	351.49	59.93
			<i>For &gt;50 To 100, Deduct</i>	-20.57	
			<i>For &gt;100, Deduct</i>	-29.36	
08 14 23 19-0075	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	351.49	59.93
			<i>For &gt;50 To 100, Deduct</i>	-20.57	
			<i>For &gt;100, Deduct</i>	-29.36	
08 14 23 19-0076	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	370.38	62.66
			<i>For &gt;50 To 100, Deduct</i>	-21.65	
			<i>For &gt;100, Deduct</i>	-30.91	
08 14 23 19-0077	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	383.78	62.66
			<i>For &gt;50 To 100, Deduct</i>	-22.32	
			<i>For &gt;100, Deduct</i>	-31.92	
08 14 23 19-0078	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	386.25	62.66
			<i>For &gt;50 To 100, Deduct</i>	-22.45	
			<i>For &gt;100, Deduct</i>	-32.10	
08 14 23 19-0079	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	394.21	65.38
			<i>For &gt;50 To 100, Deduct</i>	-22.98	
			<i>For &gt;100, Deduct</i>	-32.84	
08 14 23 19-0080	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	423.28	65.38
			<i>For &gt;50 To 100, Deduct</i>	-24.43	
			<i>For &gt;100, Deduct</i>	-35.02	
08 14 23 19-0081	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	481.73	68.11
			<i>For &gt;50 To 100, Deduct</i>	-27.49	
			<i>For &gt;100, Deduct</i>	-39.54	
08 14 23 19-0082			<b>1-3/4" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors</b> <small>(08 14 23 19)</small> Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 19-0083	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	350.01	59.93
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.62	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	124.28	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	172.61	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	276.17	
			<i>For &gt;50 To 100, Deduct</i>	-20.50	
			<i>For &gt;100, Deduct</i>	-29.25	
08 14 23 19-0084	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	350.01	59.93
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.62	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	124.28	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	172.61	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	276.17	
			<i>For &gt;50 To 100, Deduct</i>	-20.50	
			<i>For &gt;100, Deduct</i>	-29.25	
08 14 23 19-0085	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	368.79	62.66
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.22	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	131.47	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	182.60	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	292.16	
			<i>For &gt;50 To 100, Deduct</i>	-21.57	
			<i>For &gt;100, Deduct</i>	-30.79	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0086	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	382.08	62.66
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	30.81	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	138.65	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	192.57	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	308.11	
			<i>For &gt;50 To 100, Deduct</i>	-22.24	
			<i>For &gt;100, Deduct</i>	-31.79	
08 14 23 19-0087	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	384.56	62.66
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.11	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	139.99	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	194.43	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	311.09	
			<i>For &gt;50 To 100, Deduct</i>	-22.36	
			<i>For &gt;100, Deduct</i>	-31.98	
08 14 23 19-0088	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	392.52	65.38
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.41	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	141.35	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	196.31	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	314.10	
			<i>For &gt;50 To 100, Deduct</i>	-22.90	
			<i>For &gt;100, Deduct</i>	-32.71	
08 14 23 19-0089	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	421.37	65.38
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.87	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	156.92	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	217.95	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	348.72	
			<i>For &gt;50 To 100, Deduct</i>	-24.34	
			<i>For &gt;100, Deduct</i>	-34.87	
08 14 23 19-0090	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	479.50	68.11
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	41.19	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	185.37	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	257.46	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	411.94	
			<i>For &gt;50 To 100, Deduct</i>	-27.38	
			<i>For &gt;100, Deduct</i>	-39.37	
08 14 23 19-0091	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	496.68	68.11
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.26	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	194.65	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	270.35	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	432.55	
			<i>For &gt;50 To 100, Deduct</i>	-28.24	
			<i>For &gt;100, Deduct</i>	-40.66	
08 14 23 19-0092	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	530.98	68.11
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	47.37	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	213.17	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	296.07	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	473.71	
			<i>For &gt;50 To 100, Deduct</i>	-29.95	
			<i>For &gt;100, Deduct</i>	-43.23	
08 14 23 19-0093	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	363.41	59.93
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.22	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	131.51	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	182.66	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	292.25	
			<i>For &gt;50 To 100, Deduct</i>	-21.17	
			<i>For &gt;100, Deduct</i>	-30.25	
08 14 23 19-0094	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	363.41	59.93
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.22	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	131.51	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	182.66	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	292.25	
			<i>For &gt;50 To 100, Deduct</i>	-21.17	
			<i>For &gt;100, Deduct</i>	-30.25	
08 14 23 19-0095	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	382.97	62.66
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	30.92	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	139.13	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	193.24	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	309.18	
			<i>For &gt;50 To 100, Deduct</i>	-22.28	
			<i>For &gt;100, Deduct</i>	-31.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0096 EA 2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	397.04	62.66
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.61	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	146.73	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	203.79	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	326.06	
<i>For &gt;50 To 100, Deduct</i>	-22.99	
<i>For &gt;100, Deduct</i>	-32.91	
08 14 23 19-0097 EA 2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	399.66	62.66
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.92	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	148.14	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	205.76	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	329.21	
<i>For &gt;50 To 100, Deduct</i>	-23.12	
<i>For &gt;100, Deduct</i>	-33.11	
08 14 23 19-0098 EA 3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	407.76	65.38
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	33.24	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	149.57	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	207.74	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	332.39	
<i>For &gt;50 To 100, Deduct</i>	-23.66	
<i>For &gt;100, Deduct</i>	-33.85	
08 14 23 19-0099 EA 3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	438.27	65.38
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	36.90	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	166.05	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	230.63	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	369.00	
<i>For &gt;50 To 100, Deduct</i>	-25.18	
<i>For &gt;100, Deduct</i>	-36.14	
08 14 23 19-0100 EA 3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	499.48	68.11
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.59	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	196.16	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	272.45	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	435.91	
<i>For &gt;50 To 100, Deduct</i>	-28.38	
<i>For &gt;100, Deduct</i>	-40.87	
08 14 23 19-0101 EA 3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	517.65	68.11
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	45.77	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	205.97	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	286.07	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	457.72	
<i>For &gt;50 To 100, Deduct</i>	-29.29	
<i>For &gt;100, Deduct</i>	-42.23	
08 14 23 19-0102 EA 4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	553.96	68.11
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	50.13	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	225.58	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	313.31	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	501.29	
<i>For &gt;50 To 100, Deduct</i>	-31.10	
<i>For &gt;100, Deduct</i>	-44.95	
08 14 23 19-0103 EA 2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	410.89	59.93
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.92	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	157.15	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	218.27	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	349.22	
<i>For &gt;50 To 100, Deduct</i>	-23.54	
<i>For &gt;100, Deduct</i>	-33.81	
08 14 23 19-0104 EA 2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	410.89	59.93
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.92	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	157.15	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	218.27	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	349.22	
<i>For &gt;50 To 100, Deduct</i>	-23.54	
<i>For &gt;100, Deduct</i>	-33.81	
08 14 23 19-0105 EA 2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	433.21	62.66
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	36.95	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	166.26	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	230.92	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	369.47	
<i>For &gt;50 To 100, Deduct</i>	-24.79	
<i>For &gt;100, Deduct</i>	-35.62	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0106	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	450.04	62.66
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.97	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	175.35	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	243.54	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	389.66	
			<i>For &gt;50 To 100, Deduct</i>	-25.64	
			<i>For &gt;100, Deduct</i>	-36.89	
08 14 23 19-0107	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	453.15	62.66
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.34	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	177.03	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	245.87	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	393.40	
			<i>For &gt;50 To 100, Deduct</i>	-25.79	
			<i>For &gt;100, Deduct</i>	-37.12	
08 14 23 19-0108	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	461.78	65.38
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.72	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	178.75	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	248.26	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	397.21	
			<i>For &gt;50 To 100, Deduct</i>	-26.36	
			<i>For &gt;100, Deduct</i>	-37.90	
08 14 23 19-0109	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	498.24	65.38
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	44.10	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	198.43	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	275.60	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	440.96	
			<i>For &gt;50 To 100, Deduct</i>	-28.18	
			<i>For &gt;100, Deduct</i>	-40.64	
08 14 23 19-0110	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	570.30	68.11
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	52.09	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	234.40	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	325.56	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	520.90	
			<i>For &gt;50 To 100, Deduct</i>	-31.92	
			<i>For &gt;100, Deduct</i>	-46.18	
08 14 23 19-0111	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	592.04	68.11
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	54.70	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	246.14	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	341.87	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	546.98	
			<i>For &gt;50 To 100, Deduct</i>	-33.01	
			<i>For &gt;100, Deduct</i>	-47.81	
08 14 23 19-0112	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	635.43	68.11
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	59.91	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	269.57	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	374.41	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	599.05	
			<i>For &gt;50 To 100, Deduct</i>	-35.18	
			<i>For &gt;100, Deduct</i>	-51.06	

**08 14 66 Wood Screen Doors (08 14)**

08 14 66 00-0001			<b>Wood Screen Storm Door, Residential Grade (08 14 66)</b> Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).		
08 14 66 00-0002	EA		2'-8" x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	567.28	156.92
08 14 66 00-0003	EA		3' x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	591.49	174.36
08 14 66 00-0004	EA		2'-8" x 7" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	567.28	156.92
08 14 66 00-0005	EA		3' x 7' x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	591.49	174.36

**08 14 73 Sliding Wood Doors (08 14)**

08 14 73 00-0001			<b>Sliding Pocket Door (08 14 73)</b> Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.		
08 14 73 00-0002			<b>Birch Faced Pocket Door (08 14 73 00-0001)</b> Note: Includes door, frame and trim, and all mounting and door hardware.		
08 14 73 00-0003			<b>1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0002)</b> See CSI section 08 14 73 00-0055 for all jambs and track hardware.		
08 14 73 00-0004			<b>6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0003)</b>		
08 14 73 00-0005	EA		2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	659.66	38.14
			<i>For Oak, Add</i>	161.02	
			<i>For Ash/Hickory, Add</i>	234.52	
			<i>For Walnut, Add</i>	341.87	
			<i>For Cherry, Add</i>	555.97	





<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0006	EA		2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	679.25	40.87
			<i>For Oak, Add</i>	164.92	
			<i>For Ash/Hickory, Add</i>	240.21	
			<i>For Walnut, Add</i>	350.15	
			<i>For Cherry, Add</i>	569.45	
08 14 73 00-0007	EA		2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	702.36	43.59
			<i>For Oak, Add</i>	169.80	
			<i>For Ash/Hickory, Add</i>	247.31	
			<i>For Walnut, Add</i>	360.51	
			<i>For Cherry, Add</i>	586.30	
08 14 73 00-0008	EA		2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	718.42	46.32
			<i>For Oak, Add</i>	172.73	
			<i>For Ash/Hickory, Add</i>	251.58	
			<i>For Walnut, Add</i>	366.73	
			<i>For Cherry, Add</i>	596.41	
08 14 73 00-0009	EA		2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	741.57	49.04
			<i>For Oak, Add</i>	177.61	
			<i>For Ash/Hickory, Add</i>	258.69	
			<i>For Walnut, Add</i>	377.09	
			<i>For Cherry, Add</i>	613.26	
08 14 73 00-0010	EA		3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	761.15	51.77
			<i>For Oak, Add</i>	181.51	
			<i>For Ash/Hickory, Add</i>	264.37	
			<i>For Walnut, Add</i>	385.38	
			<i>For Cherry, Add</i>	626.73	
08 14 73 00-0011	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,303.00	68.11
			<i>For Oak, Add</i>	322.03	
			<i>For Ash/Hickory, Add</i>	469.05	
			<i>For Walnut, Add</i>	683.73	
			<i>For Cherry, Add</i>	1,111.94	
08 14 73 00-0012	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,377.52	73.56
			<i>For Oak, Add</i>	339.60	
			<i>For Ash/Hickory, Add</i>	494.63	
			<i>For Walnut, Add</i>	721.03	
			<i>For Cherry, Add</i>	1,172.59	
08 14 73 00-0013	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,473.30	79.01
			<i>For Oak, Add</i>	363.02	
			<i>For Ash/Hickory, Add</i>	528.74	
			<i>For Walnut, Add</i>	770.75	
			<i>For Cherry, Add</i>	1,253.46	
<b>08 14 73 00-0014</b>			<b>7' High, 1-3/8" Thick Birch Faced Wood Pocket Door</b> (08 14 73 00-0003)		
08 14 73 00-0015	EA		2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	783.41	38.14
			<i>For Oak, Add</i>	165.47	
			<i>For Ash/Hickory, Add</i>	165.47	
			<i>For Walnut, Add</i>	272.25	
			<i>For Cherry, Add</i>	511.26	
08 14 73 00-0016	EA		2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	820.68	40.87
			<i>For Oak, Add</i>	172.92	
			<i>For Ash/Hickory, Add</i>	172.92	
			<i>For Walnut, Add</i>	284.50	
			<i>For Cherry, Add</i>	534.27	
08 14 73 00-0017	EA		2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	847.33	43.59
			<i>For Oak, Add</i>	177.88	
			<i>For Ash/Hickory, Add</i>	177.88	
			<i>For Walnut, Add</i>	292.67	
			<i>For Cherry, Add</i>	549.61	
08 14 73 00-0018	EA		2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	870.45	46.32
			<i>For Oak, Add</i>	182.02	
			<i>For Ash/Hickory, Add</i>	182.02	
			<i>For Walnut, Add</i>	299.47	
			<i>For Cherry, Add</i>	562.39	
08 14 73 00-0019	EA		2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	890.07	49.04
			<i>For Oak, Add</i>	185.33	
			<i>For Ash/Hickory, Add</i>	185.33	
			<i>For Walnut, Add</i>	304.92	
			<i>For Cherry, Add</i>	572.62	
08 14 73 00-0020	EA		3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	916.72	51.77
			<i>For Oak, Add</i>	190.29	
			<i>For Ash/Hickory, Add</i>	190.29	
			<i>For Walnut, Add</i>	313.09	
			<i>For Cherry, Add</i>	587.95	
08 14 73 00-0021	EA		4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,550.50	68.11
			<i>For Oak, Add</i>	330.94	
			<i>For Ash/Hickory, Add</i>	330.94	
			<i>For Walnut, Add</i>	544.50	
			<i>For Cherry, Add</i>	1,022.52	
08 14 73 00-0022	EA		5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,667.45	73.56
			<i>For Oak, Add</i>	355.76	
			<i>For Ash/Hickory, Add</i>	355.76	
			<i>For Walnut, Add</i>	585.33	
			<i>For Cherry, Add</i>	1,099.21	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0023	EA		6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,784.44	79.01
			<i>For Oak, Add</i>	380.58	
			<i>For Ash/Hickory, Add</i>	380.58	
			<i>For Walnut, Add</i>	626.17	
			<i>For Cherry, Add</i>	1,175.90	
<b>08 14 73 00-0024</b>			<b>1-3/4" Thick, Birch Faced Wood Pocket Door</b> <small>(08 14 73 00-0002)</small>		
			See CSI section 08 14 73 00-0055 for all jambs and track hardware.		
<b>08 14 73 00-0025</b>			<b>6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door</b> <small>(08 14 73 00-0024)</small>		
08 14 73 00-0026	EA		2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	995.55	38.14
			<i>For Oak, Add</i>	215.11	
			<i>For Ash/Hickory, Add</i>	215.11	
			<i>For Walnut, Add</i>	353.92	
			<i>For Cherry, Add</i>	664.64	
08 14 73 00-0027	EA		2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,043.43	40.87
			<i>For Oak, Add</i>	225.04	
			<i>For Ash/Hickory, Add</i>	225.04	
			<i>For Walnut, Add</i>	370.26	
			<i>For Cherry, Add</i>	695.32	
08 14 73 00-0028	EA		2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,070.07	43.59
			<i>For Oak, Add</i>	230.00	
			<i>For Ash/Hickory, Add</i>	230.00	
			<i>For Walnut, Add</i>	378.42	
			<i>For Cherry, Add</i>	710.65	
08 14 73 00-0029	EA		2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,100.27	46.32
			<i>For Oak, Add</i>	235.79	
			<i>For Ash/Hickory, Add</i>	235.79	
			<i>For Walnut, Add</i>	387.95	
			<i>For Cherry, Add</i>	728.55	
08 14 73 00-0030	EA		2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,126.96	49.04
			<i>For Oak, Add</i>	240.76	
			<i>For Ash/Hickory, Add</i>	240.76	
			<i>For Walnut, Add</i>	396.12	
			<i>For Cherry, Add</i>	743.89	
08 14 73 00-0031	EA		3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,153.61	51.77
			<i>For Oak, Add</i>	245.72	
			<i>For Ash/Hickory, Add</i>	245.72	
			<i>For Walnut, Add</i>	404.29	
			<i>For Cherry, Add</i>	759.22	
08 14 73 00-0032	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,974.78	68.11
			<i>For Oak, Add</i>	430.22	
			<i>For Ash/Hickory, Add</i>	430.22	
			<i>For Walnut, Add</i>	707.85	
			<i>For Cherry, Add</i>	1,329.28	
08 14 73 00-0033	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	2,112.95	73.56
			<i>For Oak, Add</i>	460.01	
			<i>For Ash/Hickory, Add</i>	460.01	
			<i>For Walnut, Add</i>	756.85	
			<i>For Cherry, Add</i>	1,421.31	
08 14 73 00-0034	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	2,258.23	79.01
			<i>For Oak, Add</i>	491.45	
			<i>For Ash/Hickory, Add</i>	491.45	
			<i>For Walnut, Add</i>	808.58	
			<i>For Cherry, Add</i>	1,518.45	
<b>08 14 73 00-0035</b>			<b>7' High, 1-3/4" Thick Birch Faced Wood Pocket Door</b> <small>(08 14 73 00-0024)</small>		
08 14 73 00-0036	EA		2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,066.27	38.14
			<i>For Oak, Add</i>	231.66	
			<i>For Ash/Hickory, Add</i>	231.66	
			<i>For Walnut, Add</i>	381.15	
			<i>For Cherry, Add</i>	715.77	
08 14 73 00-0037	EA		2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,121.22	40.87
			<i>For Oak, Add</i>	243.24	
			<i>For Ash/Hickory, Add</i>	243.24	
			<i>For Walnut, Add</i>	400.21	
			<i>For Cherry, Add</i>	751.56	
08 14 73 00-0038	EA		2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,151.40	43.59
			<i>For Oak, Add</i>	249.03	
			<i>For Ash/Hickory, Add</i>	249.03	
			<i>For Walnut, Add</i>	409.74	
			<i>For Cherry, Add</i>	769.45	
08 14 73 00-0039	EA		2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,181.60	46.32
			<i>For Oak, Add</i>	254.83	
			<i>For Ash/Hickory, Add</i>	254.83	
			<i>For Walnut, Add</i>	419.27	
			<i>For Cherry, Add</i>	787.35	
08 14 73 00-0040	EA		2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,208.28	49.04
			<i>For Oak, Add</i>	259.79	
			<i>For Ash/Hickory, Add</i>	259.79	
			<i>For Walnut, Add</i>	427.43	
			<i>For Cherry, Add</i>	802.68	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors and Frames</b>	<b>08 10</b>	
<b>Wood Doors</b>	<b>08 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0041 EA 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,238.47	51.77
For Oak, Add	265.58	
For Ash/Hickory, Add	265.58	
For Walnut, Add	436.96	
For Cherry, Add	820.58	
08 14 73 00-0042 EA 4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	2,116.21	68.11
For Oak, Add	463.32	
For Ash/Hickory, Add	463.32	
For Walnut, Add	762.30	
For Cherry, Add	1,431.53	
08 14 73 00-0043 EA 5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	2,275.59	73.56
For Oak, Add	498.07	
For Ash/Hickory, Add	498.07	
For Walnut, Add	819.47	
For Cherry, Add	1,538.90	
08 14 73 00-0044 EA 6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	2,427.94	79.01
For Oak, Add	531.16	
For Ash/Hickory, Add	531.16	
For Walnut, Add	873.92	
For Cherry, Add	1,641.15	
<b>08 14 73 00-0045 8' High, 1-3/4" Thick Birch Faced Wood Pocket Door</b> (08 14 73 00-0024)		
08 14 73 00-0046 EA 2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced .....	1,136.98	38.14
For Oak, Add	248.21	
For Ash/Hickory, Add	248.21	
For Walnut, Add	408.37	
For Cherry, Add	766.89	
08 14 73 00-0047 EA 2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,191.93	40.87
For Oak, Add	259.79	
For Ash/Hickory, Add	259.79	
For Walnut, Add	427.43	
For Cherry, Add	802.68	
08 14 73 00-0048 EA 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,225.65	43.59
For Oak, Add	266.41	
For Ash/Hickory, Add	266.41	
For Walnut, Add	438.32	
For Cherry, Add	823.14	
08 14 73 00-0049 EA 2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,259.38	46.32
For Oak, Add	273.03	
For Ash/Hickory, Add	273.03	
For Walnut, Add	449.21	
For Cherry, Add	843.58	
08 14 73 00-0050 EA 2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,286.07	49.04
For Oak, Add	277.99	
For Ash/Hickory, Add	277.99	
For Walnut, Add	457.38	
For Cherry, Add	858.92	
08 14 73 00-0051 EA 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door .....	1,319.79	51.77
For Oak, Add	284.61	
For Ash/Hickory, Add	284.61	
For Walnut, Add	468.27	
For Cherry, Add	879.37	
08 14 73 00-0052 EA 4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	2,257.64	68.11
For Oak, Add	496.41	
For Ash/Hickory, Add	496.41	
For Walnut, Add	816.75	
For Cherry, Add	1,533.79	
08 14 73 00-0053 EA 5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	2,424.09	73.56
For Oak, Add	532.82	
For Ash/Hickory, Add	532.82	
For Walnut, Add	876.64	
For Cherry, Add	1,646.26	
08 14 73 00-0054 EA 6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	2,590.58	79.01
For Oak, Add	569.22	
For Ash/Hickory, Add	569.22	
For Walnut, Add	936.54	
For Cherry, Add	1,758.74	
<b>08 14 73 00-0055 Accessories</b> (08 14 73 00-0001)		
<b>08 14 73 00-0056 Jamb Replacement</b> (08 14 73 00-0055)		
08 14 73 00-0057 EA 4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors .....	171.52	
For Oak, Add	13.23	
For Ash/Hickory, Add	20.72	
For Walnut, Add	45.29	
For Cherry, Add	71.75	
08 14 73 00-0058 EA 5-1/4" Birch Jamb Replacement For Pocket Doors.....	175.29	
For Oak, Add	13.65	
For Ash/Hickory, Add	21.38	
For Walnut, Add	46.75	
For Cherry, Add	74.06	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 73 00-0059	EA	6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors .....	199.83	
		<i>For Oak, Add</i>	16.42	
		<i>For Ash/Hickory, Add</i>	25.73	
		<i>For Walnut, Add</i>	56.25	
		<i>For Cherry, Add</i>	89.10	
<b>08 14 73 00-0060</b>		<b>Track And Hardware Replacement Kits</b> <small>(08 14 73 00-0055)</small>		
		Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.		
08 14 73 00-0061	EA	Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door .....	438.79	
08 14 73 00-0062	EA	2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door .....	443.26	
08 14 73 00-0063	EA	3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door .....	452.18	
08 14 73 00-0064	EA	Up To 2'-6" x 7" Door Track And Hardware Replacement For Pocket Door .....	536.99	
08 14 73 00-0065	EA	2'-8" x 7" Door Track And Hardware Replacement For Pocket Door .....	541.45	
08 14 73 00-0066	EA	3'-0" x 7" Door Track And Hardware Replacement For Pocket Door .....	550.38	
08 14 73 00-0067	EA	Up To 2'-6" x 8" Door Track And Hardware .....	581.62	
08 14 73 00-0068	EA	2'-8" x 8" Door Track And Hardware Replacement For Pocket Door .....	586.08	
08 14 73 00-0069	EA	3'-0" x 8" Door Track And Hardware Replacement For Pocket Door .....	595.01	
08 14 73 00-0070	EA	Double Door Converging Kit For Pocket Door .....	60.98	
<b>08 14 73 00-0071</b>		<b>Bi-Pass Doors</b> <small>(08 14 73)</small>		
		Note: Includes unfinished doors, fascia track, hangers, door guide, door stop, and pulls. 125 LB maximum door weight (each opening).		
<b>08 14 73 00-0072</b>		<b>Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors</b> <small>(08 14 73 00-0071)</small>		
08 14 73 00-0073	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors .....	420.57	87.14
08 14 73 00-0074	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors .....	462.25	92.58
08 14 73 00-0075	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors .....	504.43	98.03
08 14 73 00-0076	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors .....	694.67	103.48
<b>08 14 73 00-0077</b>		<b>Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors</b> <small>(08 14 73 00-0071)</small>		
08 14 73 00-0078	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors .....	392.04	87.14
08 14 73 00-0079	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors .....	417.77	92.58
08 14 73 00-0080	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors .....	455.48	98.03
08 14 73 00-0081	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors .....	637.61	103.48
<b>08 14 73 00-0082</b>		<b>Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors</b> <small>(08 14 73 00-0071)</small>		
08 14 73 00-0083	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors .....	421.37	87.14
08 14 73 00-0084	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors .....	460.27	92.58
08 14 73 00-0085	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors .....	501.14	98.03
08 14 73 00-0086	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors .....	696.27	103.48
<b>08 14 76 Bifolding Wood Doors</b> <small>(08 14)</small>				
<b>08 14 76 00-0001</b>		<b>Bi-Fold Wood Doors</b> <small>(08 14 76)</small>		
		Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes door frame and knobs.		
<b>08 14 76 00-0002</b>		<b>Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors</b> <small>(08 14 76 00-0001)</small>		
08 14 76 00-0003	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors .....	200.55	65.35
08 14 76 00-0004	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors .....	211.44	70.80
08 14 76 00-0005	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors .....	226.99	76.25
08 14 76 00-0006	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors .....	237.88	81.69
08 14 76 00-0007	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors .....	308.31	87.14
08 14 76 00-0008	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors .....	319.20	92.58
08 14 76 00-0009	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors .....	339.96	98.03
<b>08 14 76 00-0010</b>		<b>Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors</b> <small>(08 14 76 00-0001)</small>		
08 14 76 00-0011	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	211.94	65.35
08 14 76 00-0012	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	226.57	70.80
08 14 76 00-0013	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	244.63	76.25
08 14 76 00-0014	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	255.52	81.69
08 14 76 00-0015	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	332.70	87.14
08 14 76 00-0016	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	357.22	92.58
08 14 76 00-0017	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	383.18	98.03
<b>08 14 76 00-0018</b>		<b>Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors</b> <small>(08 14 76 00-0001)</small>		
08 14 76 00-0019	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	212.47	65.35
08 14 76 00-0020	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	233.87	70.80
08 14 76 00-0021	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	251.36	76.25
08 14 76 00-0022	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	262.25	81.69



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors and Frames</b>	<b>08 10</b>	
<b>Wood Doors</b>	<b>08 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 76 00-0023 EA 4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	338.59	87.14
08 14 76 00-0024 EA 5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	351.84	92.58
08 14 76 00-0025 EA 6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	383.18	98.03
<b>08 14 76 00-0026 Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors (08 14 76 00-0001)</b>		
08 14 76 00-0027 EA 2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	551.14	65.35
08 14 76 00-0028 EA 2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	629.95	70.80
08 14 76 00-0029 EA 2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	719.79	76.25
08 14 76 00-0030 EA 3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	730.68	81.69
08 14 76 00-0031 EA 4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	1,015.12	87.14
08 14 76 00-0032 EA 5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	1,161.86	92.58
08 14 76 00-0033 EA 6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	1,330.64	98.03
<b>08 14 76 00-0034 Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors (08 14 76 00-0001)</b>		
08 14 76 00-0035 EA 2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	707.18	65.35
08 14 76 00-0036 EA 2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	767.64	70.80
08 14 76 00-0037 EA 2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	839.12	76.25
08 14 76 00-0038 EA 3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	850.01	81.69
08 14 76 00-0039 EA 4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	1,327.22	87.14
08 14 76 00-0040 EA 5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	1,437.25	92.58
08 14 76 00-0041 EA 6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	1,569.30	98.03
<b>08 14 76 00-0042 Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors (08 14 76 00-0001)</b>		
08 14 76 00-0043 EA 2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	204.56	65.35
08 14 76 00-0044 EA 2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	220.13	70.80
08 14 76 00-0045 EA 2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	240.94	76.25
08 14 76 00-0046 EA 3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	243.47	81.69
08 14 76 00-0047 EA 4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	301.70	87.14
08 14 76 00-0048 EA 5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	325.70	92.58
08 14 76 00-0049 EA 6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	364.91	98.03
<b>08 15 Plastic Doors (08 10)</b>		
Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.		
<b>08 16 Composite Doors (08 10)</b>		
Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.		
<b>08 16 13 Fiberglass Doors (08 16)</b>		
See CSI section 08 70 00 00-0000 for finish hardware.		
08 16 13 00-0001 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors (08 16 13)		
08 16 13 00-0002 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0001)		
08 16 13 00-0003 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0002)		
Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.		
08 16 13 00-0004 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003)		
Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0005 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0004)		
08 16 13 00-0006 EA 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,856.43	65.38
For Custom Color Finish, Add		148.34
For Stainless Steel Continuous Hinge, Add		330.19
08 16 13 00-0007 EA 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,049.09	68.11
For Custom Color Finish, Add		148.34
For Stainless Steel Continuous Hinge, Add		330.19
08 16 13 00-0008 EA 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,342.39	73.56
For Custom Color Finish, Add		148.34
For Stainless Steel Continuous Hinge, Add		330.19

**08 Openings****08 10 Doors and Frames****08 16 Composite Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 16 13 00-0009	7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0004)</small>		
08 16 13 00-0010	EA 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,856.43	65.38
	<i>For Custom Color Finish, Add</i>	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	
08 16 13 00-0011	EA 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	3,125.24	68.11
	<i>For Custom Color Finish, Add</i>	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	
08 16 13 00-0012	EA 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,423.30	73.56
	<i>For Custom Color Finish, Add</i>	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	
08 16 13 00-0013	Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0003)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0014	45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0013)</small>		
08 16 13 00-0015	6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0014)</small>		
08 16 13 00-0016	EA 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,389.50	65.38
	<i>For Custom Color Finish, Add</i>	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	
08 16 13 00-0017	EA 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,460.00	68.11
	<i>For Custom Color Finish, Add</i>	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	
08 16 13 00-0018	EA 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,945.27	73.56
	<i>For Custom Color Finish, Add</i>	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	
08 16 13 00-0019	7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0014)</small>		
08 16 13 00-0020	EA 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,389.50	65.38
	<i>For Custom Color Finish, Add</i>	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	
08 16 13 00-0021	EA 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,707.50	68.11
	<i>For Custom Color Finish, Add</i>	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	
08 16 13 00-0022	EA 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,037.29	73.56
	<i>For Custom Color Finish, Add</i>	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	
08 16 13 00-0023	60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0013)</small>		
08 16 13 00-0024	6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0023)</small>		
08 16 13 00-0025	EA 3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,389.50	65.38
	<i>For Custom Color Finish, Add</i>	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	
08 16 13 00-0026	EA 3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,460.00	68.11
	<i>For Custom Color Finish, Add</i>	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	
08 16 13 00-0027	EA 4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,945.27	73.56
	<i>For Custom Color Finish, Add</i>	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	
08 16 13 00-0028	7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0023)</small>		
08 16 13 00-0029	EA 3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,389.50	65.38
	<i>For Custom Color Finish, Add</i>	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	
08 16 13 00-0030	EA 3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,707.50	68.11
	<i>For Custom Color Finish, Add</i>	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	



<b>Openings</b>	<b>08</b>
Doors and Frames	08 10
Composite Doors	08 16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0031	EA		4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,037.29 148.34 330.19	73.56
08 16 13 00-0032			90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)		
08 16 13 00-0033			6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0032)		
08 16 13 00-0034	EA		3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,389.50 148.34 330.19	65.38
08 16 13 00-0035	EA		3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,460.00 148.34 330.19	68.11
08 16 13 00-0036	EA		4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,945.27 148.34 330.19	73.56
08 16 13 00-0037			7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0032)		
08 16 13 00-0038	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,389.50 148.34 330.19	65.38
08 16 13 00-0039	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,707.50 148.34 330.19	68.11
08 16 13 00-0040	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,037.29 148.34 330.19	73.56
08 16 13 00-0041			Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003) Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0042			6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0041)		
08 16 13 00-0043	EA		3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,019.84 148.34 330.19	65.38
08 16 13 00-0044			7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0041)		
08 16 13 00-0045	EA		3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,019.84 148.34 330.19	65.38
08 16 13 00-0046			Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) (08 16 13 00-0002)		
08 16 13 00-0047	SI		1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf) .....	0.41	
08 16 13 00-0048	SI		1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf) .....	0.41	
08 16 13 00-0049	SI		1/4" Wire, Factory Installed Vision Glass (Chem-Pruf) .....	0.54	
08 16 13 00-0050	SI		1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf) .....	0.52	
08 16 13 00-0051	SI		Factory Installed Molded Louver (Chem-Pruf) .....	1.04	
08 16 13 00-0052	SI		Factory Installed Molded Louver With Insect Screen (Chem-Pruf) .....	1.17	
08 16 13 00-0053	LF		Weather Strip (Chem-Pruf) .....	11.11	
08 16 13 00-0054	LF		Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf) .....	14.28	
08 16 13 00-0055	LF		1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf) .....	30.14	
08 16 13 00-0056	LF		Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf) .....	33.32	
08 16 13 00-0057	LF		2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf).....	65.05	
08 16 13 00-0058			Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0001)		
08 16 13 00-0059			Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0058) Note: White, tan, brown or gray finish. Includes factory hardware prep.		

<b>08</b>	<b>08</b>	<b>Openings</b>
	<b>08 10</b>	<b>Doors and Frames</b>
	<b>08 16</b>	<b>Composite Doors</b>



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 16 13 00-0060		<b>Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0059)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.			
08 16 13 00-0061		<b>6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0060)</small>			
08 16 13 00-0062	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,184.66		65.38
		<i>For Custom Color Finish, Add</i>	148.34		
		<i>For Stainless Steel Continuous Hinge, Add</i>	330.19		
08 16 13 00-0063	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,215.07		68.11
		<i>For Custom Color Finish, Add</i>	148.34		
		<i>For Stainless Steel Continuous Hinge, Add</i>	330.19		
08 16 13 00-0064	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,321.95		73.56
		<i>For Custom Color Finish, Add</i>	148.34		
		<i>For Stainless Steel Continuous Hinge, Add</i>	330.19		
08 16 13 00-0065		<b>7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0060)</small>			
08 16 13 00-0066	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,184.66		65.38
		<i>For Custom Color Finish, Add</i>	148.34		
		<i>For Stainless Steel Continuous Hinge, Add</i>	330.19		
08 16 13 00-0067	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,311.05		68.11
		<i>For Custom Color Finish, Add</i>	148.34		
		<i>For Stainless Steel Continuous Hinge, Add</i>	330.19		
08 16 13 00-0068	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,321.95		73.56
		<i>For Custom Color Finish, Add</i>	148.34		
		<i>For Stainless Steel Continuous Hinge, Add</i>	330.19		
08 16 13 00-0069		<b>Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0059)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.			
08 16 13 00-0070		<b>45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0069)</small>			
08 16 13 00-0071		<b>6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0070)</small>			
08 16 13 00-0072	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,624.44		65.38
		<i>For Custom Color Finish, Add</i>	148.34		
		<i>For Stainless Steel Continuous Hinge, Add</i>	330.19		
08 16 13 00-0073	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,699.00		68.11
		<i>For Custom Color Finish, Add</i>	148.34		
		<i>For Stainless Steel Continuous Hinge, Add</i>	330.19		
08 16 13 00-0074	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,874.99		73.56
		<i>For Custom Color Finish, Add</i>	148.34		
		<i>For Stainless Steel Continuous Hinge, Add</i>	330.19		
08 16 13 00-0075		<b>7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0070)</small>			
08 16 13 00-0076	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,624.44		65.38
		<i>For Custom Color Finish, Add</i>	148.34		
		<i>For Stainless Steel Continuous Hinge, Add</i>	330.19		
08 16 13 00-0077	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,725.87		68.11
		<i>For Custom Color Finish, Add</i>	148.34		
		<i>For Stainless Steel Continuous Hinge, Add</i>	330.19		
08 16 13 00-0078	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,957.54		73.56
		<i>For Custom Color Finish, Add</i>	148.34		
		<i>For Stainless Steel Continuous Hinge, Add</i>	330.19		
08 16 13 00-0079		<b>60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0069)</small>			
08 16 13 00-0080		<b>6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0079)</small>			
08 16 13 00-0081	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,624.44		65.38
		<i>For Custom Color Finish, Add</i>	148.34		
		<i>For Stainless Steel Continuous Hinge, Add</i>	330.19		





<b>Openings</b>	<b>08</b>	<b>08</b>
Doors and Frames	08 10	
Composite Doors	08 16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0082	EA		3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> .....	3,699.00 148.34 330.19	68.11
08 16 13 00-0083	EA		4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> .....	3,874.99 148.34 330.19	73.56
<b>08 16 13 00-0084</b>			<b>7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0079)</b>		
08 16 13 00-0085	EA		3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> .....	3,624.44 148.34 330.19	65.38
08 16 13 00-0086	EA		3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> .....	3,725.87 148.34 330.19	68.11
08 16 13 00-0087	EA		4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> .....	3,957.54 148.34 330.19	73.56
08 16 13 00-0088			<b>90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0069)</b>		
<b>08 16 13 00-0089</b>			<b>6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0088)</b>		
08 16 13 00-0090	EA		3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> .....	3,624.44 148.34 330.19	65.38
08 16 13 00-0091	EA		3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> .....	3,699.00 148.34 330.19	68.11
08 16 13 00-0092	EA		4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> .....	3,874.99 148.34 330.19	73.56
<b>08 16 13 00-0093</b>			<b>7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0088)</b>		
08 16 13 00-0094	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> .....	3,624.44 148.34 330.19	65.38
08 16 13 00-0095	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> .....	3,725.87 148.34 330.19	68.11
08 16 13 00-0096	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> .....	3,957.54 148.34 330.19	73.56
08 16 13 00-0097			<b>Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0059)</b> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
<b>08 16 13 00-0098</b>			<b>6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0097)</b>		
08 16 13 00-0099	EA		3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> .....	2,472.62 148.34 330.19	65.38
<b>08 16 13 00-0100</b>			<b>7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0097)</b>		
08 16 13 00-0101	EA		3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> ..... <i>For Stainless Steel Continuous Hinge, Add</i> .....	2,472.62 148.34 330.19	65.38
08 16 13 00-0102			<b>Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) (08 16 13 00-0058)</b>		

**08 Openings****08 10 Doors and Frames****08 16 Composite Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 16 13 00-0103	SI	1/4" Tempered, Factory Installed Vision Glass (Skule Door)	0.91	
08 16 13 00-0104	SI	1/4" Laminated, Factory Installed Vision Glass (Skule Door)	0.93	
08 16 13 00-0105	SI	1/4" Wire, Factory Installed Vision Glass (Skule Door)	0.99	
08 16 13 00-0106	SI	1/2" Insulated, Factory Installed Vision Glass (Skule Door)	1.41	
08 16 13 00-0107	SI	Factory Installed Molded Louver (Skule Door)	0.56	
08 16 13 00-0108	SI	Factory Installed Molded Louver With Insect Screen (Skule Door)	0.89	
08 16 13 00-0109	LF	Weather Strip (Skule Door)	7.68	
08 16 13 00-0110	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door)	9.60	
08 16 13 00-0111	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door)	30.72	
08 16 13 00-0112	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door)	109.42	
08 16 13 00-0113	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door)	42.23	

**08 16 13 00-0114 Galvanized Insulated Poly Core Composite Doors** (08 16 13)

08 16 13 00-0115	EA	3'-0" x 7'-0" x 1-3/4" Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N)	1,252.39	65.38
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**08 17 Integrated Door Opening Assemblies** (08 10)**08 17 23 Integrated Metal Door Opening Assemblies** (08 17)**08 17 23 00-0001 Pre-Hung Interior Door Units** (08 17 23)

Note: Includes door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset.

**08 17 23 00-0002 Hollow Core Doors, 1-3/8" Thick** (08 17 23 00-0001)**08 17 23 00-0003 Birch Faced** (08 17 23 00-0002)

08 17 23 00-0004	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	466.46	68.11
		<i>For 8' Door Height, Add</i>	79.26	
08 17 23 00-0005	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	486.74	68.11
		<i>For 8' Door Height, Add</i>	84.12	
08 17 23 00-0006	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	512.50	70.83
		<i>For 8' Door Height, Add</i>	89.00	
08 17 23 00-0007	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	523.99	73.56
		<i>For 8' Door Height, Add</i>	90.45	
08 17 23 00-0008	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	560.79	73.56
		<i>For 8' Door Height, Add</i>	99.28	
08 17 23 00-0009	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	592.73	76.28
		<i>For 8' Door Height, Add</i>	105.64	
08 17 23 00-0010	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	883.85	111.70
		<i>For 8' Door Height, Add</i>	158.51	
08 17 23 00-0011	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	940.82	119.87
		<i>For 8' Door Height, Add</i>	168.26	
08 17 23 00-0012	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	1,009.84	128.04
		<i>For 8' Door Height, Add</i>	180.90	

**08 17 23 00-0013 Lauan Faced** (08 17 23 00-0002)

08 17 23 00-0014	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	423.25	68.11
		<i>For 8' Door Height, Add</i>	68.89	
08 17 23 00-0015	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	442.72	68.11
		<i>For 8' Door Height, Add</i>	73.56	
08 17 23 00-0016	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	464.57	70.83
		<i>For 8' Door Height, Add</i>	77.50	
08 17 23 00-0017	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	481.62	73.56
		<i>For 8' Door Height, Add</i>	80.28	
08 17 23 00-0018	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	513.61	73.56
		<i>For 8' Door Height, Add</i>	87.96	
08 17 23 00-0019	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	542.48	76.28
		<i>For 8' Door Height, Add</i>	93.58	
08 17 23 00-0020	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	797.48	111.70
		<i>For 8' Door Height, Add</i>	137.78	
08 17 23 00-0021	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	852.66	119.87
		<i>For 8' Door Height, Add</i>	147.10	
08 17 23 00-0022	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	925.19	128.04
		<i>For 8' Door Height, Add</i>	160.58	

**08 17 23 00-0023 Tempered Hardboard Faced** (08 17 23 00-0002)

08 17 23 00-0024	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	361.23	68.11
		<i>For 8' Door Height, Add</i>	54.00	
08 17 23 00-0025	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	377.64	68.11
		<i>For 8' Door Height, Add</i>	57.94	
08 17 23 00-0026	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	390.87	70.83
		<i>For 8' Door Height, Add</i>	59.81	
08 17 23 00-0027	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	411.89	73.56
		<i>For 8' Door Height, Add</i>	63.55	
08 17 23 00-0028	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	441.00	73.56
		<i>For 8' Door Height, Add</i>	70.53	
08 17 23 00-0029	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	465.28	76.28
		<i>For 8' Door Height, Add</i>	75.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0030 EA Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	673.42 108.00	111.70
08 17 23 00-0031 EA Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	722.56 115.88	119.87
08 17 23 00-0032 EA Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	785.63 127.09	128.04
<b>08 17 23 00-0033 Solid Core Doors, 1-3/8" Thick</b> (08 17 23 00-0001)		
<b>08 17 23 00-0034 Birch Faced</b> (08 17 23 00-0033)		
08 17 23 00-0035 EA 2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	622.48 116.70	68.11
08 17 23 00-0036 EA 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	648.06 122.84	68.11
08 17 23 00-0037 EA 2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	679.02 128.97	70.83
08 17 23 00-0038 EA 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	715.60 136.44	73.56
08 17 23 00-0039 EA 3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	778.02 151.42	73.56
08 17 23 00-0040 EA 3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	838.63 164.65	76.28
08 17 23 00-0041 EA Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	1,195.93 233.41	111.70
08 17 23 00-0042 EA Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	1,263.41 245.68	119.87
08 17 23 00-0043 EA Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	1,393.05 272.88	128.04
<b>08 17 23 00-0044 Lauan Faced</b> (08 17 23 00-0033)		
08 17 23 00-0045 EA 2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	557.22 101.04	68.11
08 17 23 00-0046 EA 2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	580.37 106.60	68.11
08 17 23 00-0047 EA 2'-8" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	608.92 112.14	70.83
08 17 23 00-0048 EA 3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	637.73 117.75	73.56
08 17 23 00-0049 EA 3'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	691.69 130.70	73.56
08 17 23 00-0050 EA 3'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	732.00 139.06	76.28
08 17 23 00-0051 EA Pair 2' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	1,065.38 202.08	111.70
08 17 23 00-0052 EA Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	1,128.05 213.20	119.87
08 17 23 00-0053 EA Pair 3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	1,237.32 235.50	128.04
<b>08 17 23 00-0054 Tempered Hardboard Faced</b> (08 17 23 00-0033)		
08 17 23 00-0055 EA 2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	499.09 87.09	68.11
08 17 23 00-0056 EA 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	520.10 92.13	68.11
08 17 23 00-0057 EA 2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	546.62 97.19	70.83
08 17 23 00-0058 EA 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	559.86 99.06	73.56
08 17 23 00-0059 EA 3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	605.38 109.98	73.56
08 17 23 00-0060 EA 3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	640.19 117.03	76.28
08 17 23 00-0061 PR Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	949.13 174.18	111.70
08 17 23 00-0062 PR Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	1,007.48 184.26	119.87
08 17 23 00-0063 PR Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	1,081.57 198.12	128.04
<b>08 17 23 00-0064 Hollow Core Doors, 1-3/4" Thick</b> (08 17 23 00-0001)		
<b>08 17 23 00-0065 Birch Faced</b> (08 17 23 00-0064)		
08 17 23 00-0066 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	548.96 99.06	68.11
08 17 23 00-0067 EA 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	564.54 102.80	68.11
08 17 23 00-0068 EA 2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	575.74 104.18	70.83
08 17 23 00-0069 EA 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	606.59 110.28	73.56

**08 Openings****08 10 Doors and Frames****08 17 Integrated Door Opening Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0070	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door .....	673.99	73.56
			<i>For 8' Door Height, Add</i>	126.45	
08 17 23 00-0071	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door .....	758.19	76.28
			<i>For 8' Door Height, Add</i>	145.35	
08 17 23 00-0072	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door .....	1,048.93	111.70
			<i>For 8' Door Height, Add</i>	198.12	
08 17 23 00-0073	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door .....	1,096.37	119.87
			<i>For 8' Door Height, Add</i>	205.59	
08 17 23 00-0074	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door .....	1,175.07	128.04
			<i>For 8' Door Height, Add</i>	220.55	
<b>08 17 23 00-0075 Lauan Faced</b> <small>(08 17 23 00-0064)</small>					
08 17 23 00-0076	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door .....	500.85	68.11
			<i>For 8' Door Height, Add</i>	87.51	
08 17 23 00-0077	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door .....	525.98	68.11
			<i>For 8' Door Height, Add</i>	93.54	
08 17 23 00-0078	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door .....	551.81	70.83
			<i>For 8' Door Height, Add</i>	98.44	
08 17 23 00-0079	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door .....	565.33	73.56
			<i>For 8' Door Height, Add</i>	100.37	
08 17 23 00-0080	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door .....	611.31	73.56
			<i>For 8' Door Height, Add</i>	111.41	
08 17 23 00-0081	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door .....	646.47	76.28
			<i>For 8' Door Height, Add</i>	118.54	
08 17 23 00-0082	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door .....	952.68	111.70
			<i>For 8' Door Height, Add</i>	175.03	
08 17 23 00-0083	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door .....	1,019.26	119.87
			<i>For 8' Door Height, Add</i>	187.09	
08 17 23 00-0084	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door .....	1,092.55	128.04
			<i>For 8' Door Height, Add</i>	200.75	
<b>08 17 23 00-0085 Tempered Hardboard Faced</b> <small>(08 17 23 00-0064)</small>					
08 17 23 00-0086	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door .....	416.56	68.11
			<i>For 8' Door Height, Add</i>	67.28	
08 17 23 00-0087	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door .....	424.37	68.11
			<i>For 8' Door Height, Add</i>	69.16	
08 17 23 00-0088	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door .....	445.39	70.83
			<i>For 8' Door Height, Add</i>	72.90	
08 17 23 00-0089	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door .....	466.42	73.56
			<i>For 8' Door Height, Add</i>	76.63	
08 17 23 00-0090	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door .....	484.21	73.56
			<i>For 8' Door Height, Add</i>	80.90	
08 17 23 00-0091	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door .....	511.26	76.28
			<i>For 8' Door Height, Add</i>	86.09	
08 17 23 00-0092	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door .....	784.06	111.70
			<i>For 8' Door Height, Add</i>	134.56	
08 17 23 00-0093	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door .....	816.03	119.87
			<i>For 8' Door Height, Add</i>	138.31	
08 17 23 00-0094	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door .....	894.74	128.04
			<i>For 8' Door Height, Add</i>	153.27	
<b>08 17 23 00-0095 Solid Core Doors, 1-3/4" Thick</b> <small>(08 17 23 00-0001)</small>					
<b>08 17 23 00-0096 Oak Or Maple Faced</b> <small>(08 17 23 00-0095)</small>					
08 17 23 00-0097	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door .....	841.25	68.11
			<i>For 8' Door Height, Add</i>	169.21	
08 17 23 00-0098	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door .....	845.56	68.11
			<i>For 8' Door Height, Add</i>	170.24	
08 17 23 00-0099	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door .....	887.45	70.83
			<i>For 8' Door Height, Add</i>	178.99	
08 17 23 00-0100	EA		3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door .....	902.42	73.56
			<i>For 8' Door Height, Add</i>	181.27	
08 17 23 00-0101	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door .....	984.30	73.56
			<i>For 8' Door Height, Add</i>	200.92	
08 17 23 00-0102	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door .....	1,086.76	76.28
			<i>For 8' Door Height, Add</i>	224.21	
08 17 23 00-0103	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door .....	1,633.49	111.70
			<i>For 8' Door Height, Add</i>	338.43	
08 17 23 00-0104	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door .....	1,658.45	119.87
			<i>For 8' Door Height, Add</i>	340.49	
08 17 23 00-0105	EA		Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door .....	1,766.71	128.04
			<i>For 8' Door Height, Add</i>	362.55	
<b>08 17 23 00-0106 Walnut Faced</b> <small>(08 17 23 00-0095)</small>					
08 17 23 00-0107	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door .....	1,061.45	68.11
			<i>For 8' Door Height, Add</i>	222.06	
08 17 23 00-0108	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door .....	1,099.91	68.11
			<i>For 8' Door Height, Add</i>	231.29	



<b>Openings</b>	<b>08</b>
<b>Doors and Frames</b>	<b>08 10</b>
<b>Integrated Door Opening Assemblies</b>	<b>08 17</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0109 EA 2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	1,118.25 234.38	70.83
08 17 23 00-0110 EA 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	1,162.23 243.63	73.56
08 17 23 00-0111 EA 3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	1,273.90 270.43	73.56
08 17 23 00-0112 EA 3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	1,392.12 297.49	76.28
08 17 23 00-0113 EA Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	2,073.85 444.11	111.70
08 17 23 00-0114 EA Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	2,167.12 462.57	119.87
08 17 23 00-0115 EA Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door ..... <i>For 8' Door Height, Add</i>	2,286.33 487.26	128.04

**08 18 Glass Doors** (08 10)

**08 18 16 Sliding Glass Doors** (08 18)

08 18 16 00-0001 Sliding Aluminum-Framed Glass Doors (08 18 16)

08 18 16 00-0002 Residential Sliding Aluminum-Framed Glass Doors (08 18 16 00-0001)

08 18 16 00-0003 5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors (08 18 16 00-0002)

08 18 16 00-0004 SF Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware ..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	29.91 4.24 1.42 3.05	4.90
08 18 16 00-0005 SF >6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware ..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	23.75 4.05 1.42 2.91	3.05

08 18 16 00-0006 1" Insulating Glass, Sliding Aluminum-Framed Glass Doors (08 18 16 00-0002)

08 18 16 00-0007 SF Up To 6' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware ..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	32.94 4.99 1.42 3.59	4.90
08 18 16 00-0008 SF >6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware ..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	26.74 4.80 1.42 3.45	3.05

08 18 16 00-0010 Sliding Wood-Framed Glass Doors (08 18 16)

08 18 16 00-0011 Residential Wood Sliding Doors With 5/8" Glass (08 18 16 00-0010)

08 18 16 00-0012 EA 6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware .....	2,552.24	147.12
08 18 16 00-0013 EA 8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware .....	3,115.63	179.81
08 18 16 00-0014 EA 9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware .....	3,600.62	207.05
08 18 16 00-0015 EA 6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware .....	2,814.97	147.12
08 18 16 00-0016 EA 8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware .....	3,454.96	179.81
08 18 16 00-0017 EA 9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware .....	4,020.56	207.05

**08 30 Specialty Doors and Frames** (08)

Note: Includes caulk, sealant and mounting anchors.

**08 31 Access Doors and Panels** (08 30)

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

**08 31 13 Access Doors and Frames** (08 31)

08 31 13 00-0001 Stainless Steel Access Doors (08 31 13)

08 31 13 00-0002 Fire Rated Stainless Steel Access Doors (08 31 13 00-0001)

08 31 13 00-0003 EA 12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch .....	413.87	70.07
08 31 13 00-0004 EA 12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch .....	478.70	74.65
08 31 13 00-0005 EA 18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch .....	555.50	78.95
08 31 13 00-0006 EA 24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch .....	637.76	82.96
08 31 13 00-0007 EA 24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch .....	651.78	83.39
08 31 13 00-0008 EA 24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch .....	842.06	85.97

08 31 13 00-0009 Stainless Steel Access Doors (08 31 13 00-0001)

08 31 13 00-0010 EA 8" x 8" Stainless Steel Access Door With Cam Latch .....	182.19	53.73
08 31 13 00-0011 EA 12" x 12" Stainless Steel Access Door With Cam Latch .....	214.03	70.07
08 31 13 00-0012 EA 12" x 18" Stainless Steel Access Door With Cam Latch .....	293.66	74.65
08 31 13 00-0013 EA 18" x 18" Stainless Steel Access Door With Cam Latch .....	314.71	78.95
08 31 13 00-0014 EA 24" x 18" Stainless Steel Access Door With Cam Latch .....	361.52	82.96
08 31 13 00-0015 EA 24" x 24" Stainless Steel Access Door With Cam Latch .....	407.10	83.39

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors and Frames</b>
<b>08 31</b>	<b>Access Doors and Panels</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 31 13 00-0016	<b>Steel Access Doors</b> (08 31 13) Note: Includes paintable powder coated finish.		
08 31 13 00-0017	<b>Insulated Fire Rated Steel Access Doors</b> (08 31 13 00-0016)		
08 31 13 00-0018	EA 12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch.....	290.05	70.50
08 31 13 00-0019	EA 12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	355.03	74.65
08 31 13 00-0020	EA 18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	356.22	78.95
08 31 13 00-0021	EA 24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	419.73	83.39
08 31 13 00-0022	EA 24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch.....	437.52	83.39
08 31 13 00-0023	EA 24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch.....	575.10	85.97
08 31 13 00-0024	EA 24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch.....	659.35	89.55
08 31 13 00-0025	EA 36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch.....	806.58	89.55
08 31 13 00-0026	EA 48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch.....	1,032.07	107.46
08 31 13 00-0027	<b>Steel Access Doors</b> (08 31 13 00-0016)		
08 31 13 00-0028	EA 8" x 8" Steel Access Door With Cam Latch.....	158.32	54.02
08 31 13 00-0029	EA 12" x 12" Steel Access Door With Cam Latch.....	169.49	70.50
08 31 13 00-0030	EA 12" x 18" Steel Access Door With Cam Latch.....	192.98	74.65
08 31 13 00-0031	EA 18" x 18" Steel Access Door With Cam Latch.....	199.11	78.95
08 31 13 00-0032	EA 24" x 18" Steel Access Door With Cam Latch.....	232.98	83.39
08 31 13 00-0033	EA 24" x 24" Steel Access Door With Cam Latch.....	237.89	83.39
08 31 13 00-0034	EA 24" x 36" Steel Access Door With Cam Latch.....	307.31	85.97
08 31 13 00-0035	EA 36" x 36" Steel Access Door With Cam Latch.....	396.34	89.55
08 31 13 00-0036	<b>Steel Recessed Access Doors For Drywall Application</b> (08 31 13) Note: Includes paintable powder coated finish.		
08 31 13 00-0037	EA 8" x 8" Recessed Steel Access Door With Cam Latch.....	217.14	53.73
	<i>For Recessed Doors In Acoustical Tile, Add</i>	26.53	
08 31 13 00-0038	EA 12" x 12" Recessed Steel Access Door With Cam Latch.....	227.78	57.60
	<i>For Recessed Doors In Acoustical Tile, Add</i>	29.16	
08 31 13 00-0039	EA 12" x 18" Recessed Steel Access Door With Cam Latch.....	244.44	60.89
	<i>For Recessed Doors In Acoustical Tile, Add</i>	30.35	
08 31 13 00-0040	EA 18" x 18" Recessed Steel Access Door With Cam Latch.....	284.09	64.47
	<i>For Recessed Doors In Acoustical Tile, Add</i>	28.31	
08 31 13 00-0041	EA 24" x 18" Recessed Steel Access Door With Cam Latch.....	299.00	68.06
	<i>For Recessed Doors In Acoustical Tile, Add</i>	30.03	
08 31 13 00-0042	EA 24" x 24" Recessed Steel Access Door With Cam Latch.....	324.88	68.06
	<i>For Recessed Doors In Acoustical Tile, Add</i>	26.15	
08 31 13 00-0043	EA 24" x 36" Recessed Steel Access Door With Cam Latch.....	405.13	85.97
	<i>For Recessed Doors In Acoustical Tile, Add</i>	33.80	
08 31 13 00-0044	EA 36" x 36" Recessed Steel Access Door With Cam Latch.....	565.92	89.55
	<i>For Recessed Doors In Acoustical Tile, Add</i>	13.62	
08 31 13 00-0045	<b>Steel Crawl Space Doors And Frames</b> (08 31 13) Note: Includes paintable powder coated finish.		
08 31 13 00-0046	EA 24" x 24" Steel Crawl Space Door With Cam Latch.....	252.16	90.69
08 31 13 00-0047	EA 30" x 24" Steel Crawl Space Door With Cam Latch.....	349.25	109.90
08 31 13 00-0048	EA 30" x 30" Steel Crawl Space Door With Cam Latch.....	390.35	119.36
08 33	<b>Coiling Doors and Grilles</b> (08 30)		
08 33 13	<b>Coiling Counter Doors</b> (08 33)		
08 33 13 00-0001	<b>Overhead Rolling Counter Doors</b> (08 33 13)		
08 33 13 00-0002	<b>Galvanized Steel Overhead Rolling Counter Doors</b> (08 33 13 00-0001) Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0003	EA 4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	6,975.22	406.70
	<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	
08 33 13 00-0004	EA 6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	7,336.34	406.70
	<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	
08 33 13 00-0005	EA 8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	7,929.28	432.12
	<i>For Motor Operator (With Safety Reverse), Add</i>	756.80	
08 33 13 00-0006	EA 10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	8,487.00	508.37
	<i>For Motor Operator (With Safety Reverse), Add</i>	776.46	
08 33 13 00-0007	EA 4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	8,600.26	406.70
	<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	
08 33 13 00-0008	EA 6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	8,984.07	451.84
	<i>For Motor Operator (With Safety Reverse), Add</i>	762.97	
08 33 13 00-0009	EA 8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	9,209.82	469.94
	<i>For Motor Operator (With Safety Reverse), Add</i>	767.49	
08 33 13 00-0010	EA 10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	9,757.25	508.37
	<i>For Motor Operator (With Safety Reverse), Add</i>	777.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 33 13 00-0011</b>			<b>Stainless Steel Overhead Rolling Counter Doors</b> <small>(08 33 13 00-0001)</small>		
			Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0012	EA	4' x 4'	Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... 7,878.02		406.70
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 751.67		
08 33 13 00-0013	EA	6' x 4'	Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... 8,871.10		406.70
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 751.67		
08 33 13 00-0014	EA	8' x 4'	Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... 9,102.92		432.12
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 756.80		
08 33 13 00-0015	EA	10' x 4'	Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... 11,105.12		508.37
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 776.46		
08 33 13 00-0016	EA	4' x 6'	Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... 9,503.06		406.70
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 751.67		
08 33 13 00-0017	EA	6' x 6'	Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... 9,796.59		451.84
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 762.97		
08 33 13 00-0018	EA	8' x 6'	Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... 10,022.34		469.94
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 767.49		
08 33 13 00-0019	EA	10' x 6'	Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... 12,826.77		508.37
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 777.09		

<b>08 33 13 00-0020</b>			<b>Aluminum Overhead Rolling Counter Doors</b> <small>(08 33 13 00-0001)</small>		
			Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0021	EA	4' x 4'	Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... 7,697.46		406.70
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 751.67		
08 33 13 00-0022	EA	6' x 4'	Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... 8,058.58		406.70
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 751.67		
08 33 13 00-0023	EA	8' x 4'	Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... 9,012.64		432.12
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 756.80		
08 33 13 00-0024	EA	10' x 4'	Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... 10,653.72		508.37
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 776.46		
08 33 13 00-0025	EA	4' x 6'	Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... 9,322.50		406.70
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 751.67		
08 33 13 00-0026	EA	6' x 6'	Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... 9,706.31		451.84
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 762.97		
08 33 13 00-0027	EA	8' x 6'	Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... 9,977.20		469.94
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 767.49		
08 33 13 00-0028	EA	10' x 6'	Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... 12,646.21		508.37
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 777.09		

<b>08 33 13 00-0029</b>			<b>Galvanized Steel Overhead Rolling Counter Fire Doors</b> <small>(08 33 13 00-0001)</small>		
			Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0030	EA	4' x 4'	Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... 9,141.94		406.70
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 751.67		
08 33 13 00-0031	EA	6' x 4'	Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... 9,683.62		406.70
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 751.67		
08 33 13 00-0032	EA	8' x 4'	Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... 10,457.12		432.12
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 756.80		
08 33 13 00-0033	EA	10' x 4'	Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... 11,195.40		508.37
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 776.46		
08 33 13 00-0034	EA	4' x 6'	Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... 10,225.30		406.70
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 751.67		
08 33 13 00-0035	EA	6' x 6'	Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... 10,699.39		451.84
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 762.97		
08 33 13 00-0036	EA	8' x 6'	Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... 11,105.70		469.94
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 767.49		
08 33 13 00-0037	EA	10' x 6'	Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... 11,382.29		508.37
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 777.09		

<b>08 33 13 00-0038</b>			<b>Stainless Steel Overhead Rolling Counter Fire Doors</b> <small>(08 33 13 00-0001)</small>		
			Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0039	EA	4' x 4'	Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... 10,405.86		406.70
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 751.67		
08 33 13 00-0040	EA	6' x 4'	Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... 11,850.34		406.70
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 751.67		
08 33 13 00-0041	EA	8' x 4'	Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... 12,082.16		432.12
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 756.80		
08 33 13 00-0042	EA	10' x 4'	Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... 14,806.60		508.37
			<i>For Motor Operator (With Safety Reverse), Add</i> ..... 776.46		

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0043	EA		4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)..... <i>For Motor Operator (With Safety Reverse), Add</i>	11,308.66 751.67	406.70
08 33 13 00-0044	EA		6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)..... <i>For Motor Operator (With Safety Reverse), Add</i>	11,692.47 762.97	451.84
08 33 13 00-0045	EA		8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)..... <i>For Motor Operator (With Safety Reverse), Add</i>	12,098.78 767.49	469.94
08 33 13 00-0046	EA		10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)..... <i>For Motor Operator (With Safety Reverse), Add</i>	14,993.49 777.09	508.37
<b>08 33 13 00-0047</b>			<b>Integral Frame And Sill, Overhead Rolling Counter Doors</b> <small>(08 33 13)</small>		
<b>08 33 13 00-0048</b>			<b>Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill</b> <small>(08 33 13 00-0047)</small>		
			Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0049	EA		4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	15,100.42 751.67	406.70
08 33 13 00-0050	EA		6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	15,461.54 751.67	406.70
08 33 13 00-0051	EA		8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	15,873.92 756.80	432.12
08 33 13 00-0052	EA		10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	16,431.64 776.46	508.37
08 33 13 00-0053	EA		4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	15,642.10 751.67	406.70
08 33 13 00-0054	EA		6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	16,116.19 762.97	451.84
08 33 13 00-0055	EA		8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	16,522.50 767.49	469.94
08 33 13 00-0056	EA		10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	18,424.13 777.09	508.37
<b>08 33 13 00-0057</b>			<b>Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill</b> <small>(08 33 13 00-0047)</small>		
			Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0058	EA		4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	13,294.82 751.67	406.70
08 33 13 00-0059	EA		6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	13,655.94 751.67	406.70
08 33 13 00-0060	EA		8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	14,068.32 756.80	432.12
08 33 13 00-0061	EA		10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	14,626.04 776.46	508.37
08 33 13 00-0062	EA		4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	14,919.86 751.67	406.70
08 33 13 00-0063	EA		6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	15,393.95 762.97	451.84
08 33 13 00-0064	EA		8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	15,980.82 767.49	469.94
08 33 13 00-0065	EA		10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	16,437.97 777.09	508.37
<b>08 33 13 00-0066</b>			<b>Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill</b> <small>(08 33 13 00-0047)</small>		
			Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0067	EA		4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)..... <i>For Motor Operator (With Safety Reverse), Add</i>	20,878.34 751.67	406.70





	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0068	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	22,683.94 751.67	406.70
08 33 13 00-0069	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	26,346.40 756.80	432.12
08 33 13 00-0070	EA	10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	28,348.60 776.46	508.37
08 33 13 00-0071	EA	4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	23,586.74 751.67	406.70
08 33 13 00-0072	EA	6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	25,505.31 762.97	451.84
08 33 13 00-0073	EA	8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	28,258.90 767.49	469.94
08 33 13 00-0074	EA	10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	31,966.13 777.09	508.37
<b>08 33 13 00-0075</b>		<b>Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill</b> <small>(08 33 13 00-0047)</small> Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0076	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	17,628.26 751.67	406.70
08 33 13 00-0077	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	17,989.38 751.67	406.70
08 33 13 00-0078	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	18,762.88 756.80	432.12
08 33 13 00-0079	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	20,223.40 776.46	508.37
08 33 13 00-0080	EA	4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	18,711.62 751.67	406.70
08 33 13 00-0081	EA	6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	19,907.95 762.97	451.84
08 33 13 00-0082	EA	8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	21,036.50 767.49	469.94
08 33 13 00-0083	EA	10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	24,743.73 777.09	508.37
<b>08 33 13 00-0084</b>		<b>Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood</b> <small>(08 33 13 00-0047)</small> Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0085	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	25,392.34 751.67	406.70
08 33 13 00-0086	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	26,295.14 751.67	406.70
08 33 13 00-0087	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	29,957.60 756.80	432.12
<b>08 33 13 00-0088</b>		<b>Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood</b> <small>(08 33 13 00-0047)</small> Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0089	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	19,072.74 751.67	406.70
08 33 13 00-0090	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	26,295.14 751.67	406.70

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 33 13 00-0091	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661) <i>For Motor Operator (With Safety Reverse), Add</i>	29,957.60 756.80	432.12
<b>08 33 13 00-0092</b>		<b>Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood</b> (08 33 13 00-0047) Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0093	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) <i>For Motor Operator (With Safety Reverse), Add</i>	16,544.90 751.67	406.70
08 33 13 00-0094	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) <i>For Motor Operator (With Safety Reverse), Add</i>	18,711.62 751.67	406.70
08 33 13 00-0095	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) <i>For Motor Operator (With Safety Reverse), Add</i>	20,026.80 756.80	432.12
08 33 13 00-0096	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) <i>For Motor Operator (With Safety Reverse), Add</i>	22,029.00 776.46	508.37
<b>08 33 16</b>		<b>Coiling Counter Grilles</b> (08 33)		
<b>08 33 16 00-0001</b>		<b>Galvanized Steel Overhead Coiling Counter Grilles (Width x Height)</b> (08 33 16)		
08 33 16 00-0002	EA	4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	1,988.49 222.02 95.49 170.01	177.93
08 33 16 00-0003	EA	6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,177.78 250.41 131.41 230.63	177.93
08 33 16 00-0004	EA	8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,538.30 279.07 167.34 291.26	237.21
08 33 16 00-0005	EA	12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,993.84 347.40 239.17 412.51	237.21
08 33 16 00-0006	EA	16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,079.04 459.35 358.30 543.95	355.86
08 33 16 00-0007	EA	18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,620.96 515.32 358.30 543.95	406.70
08 33 16 00-0008	EA	20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,164.24 571.29 477.42 675.39	474.31
08 33 16 00-0009	EA	24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,430.01 720.09 572.92 698.39	569.37
08 33 16 00-0010	EA	30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,901.40 880.19 670.58 801.67	711.72
08 33 16 00-0011	EA	4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,132.98 243.69 143.22 197.51	177.93
08 33 16 00-0012	EA	6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,404.85 284.47 214.82 268.63	177.93
08 33 16 00-0013	EA	8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,734.68 308.53 286.40 339.74	237.31
08 33 16 00-0014	EA	12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,259.55 387.26 429.68 481.94	237.31
08 33 16 00-0015	EA	16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,451.73 515.25 572.92 663.46	355.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 16 00-0016 EA 18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,047.14 579.24 572.92 663.46	406.70
08 33 16 00-0017 EA 20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,640.29 643.24 716.15 844.97	474.31
08 33 16 00-0018 EA 24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,051.61 813.33 859.37 974.08	569.37
08 33 16 00-0019 EA 30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,520.51 973.05 1,000.54 1,092.01	711.72

**08 33 23 Overhead Coiling Doors (08 33)**

Note: Includes panels, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.  
Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0981 for forklift.

**08 33 23 11 Overhead Coiling Doors (08 33 23)**

Note: Excludes lifting equipment (forklift or scissor lift) where required.

**08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) (08 33 23 11)**

Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

**08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)**

08 33 23 11-0003 EA 4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,171.63	514.32
08 33 23 11-0004 EA 4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,251.83	544.58
08 33 23 11-0005 EA 5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,249.52	544.58
08 33 23 11-0006 EA 5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,332.73	574.83
08 33 23 11-0007 EA 6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,357.69	589.98
08 33 23 11-0008 EA 6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,470.90	635.34
08 33 23 11-0009 EA 6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,562.68	665.59
08 33 23 11-0010 EA 8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,539.96	665.59
08 33 23 11-0011 EA 8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,586.68	680.72
08 33 23 11-0012 EA 8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,640.71	695.85
08 33 23 11-0013 EA 8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,747.23	726.10
08 33 23 11-0014 EA 10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,637.54	695.85
08 33 23 11-0015 EA 10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,732.10	726.10
08 33 23 11-0016 EA 10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,838.00	756.36
08 33 23 11-0017 EA 10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,921.95	786.61

**08 33 23 11-0018 24 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)**

Note: With curtain hood (barrel cover).

08 33 23 11-0019 EA 8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	2,617.04 929.45	765.44
08 33 23 11-0020 EA 8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	2,689.44 960.22	782.83
08 33 23 11-0021 EA 8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	2,903.87 1,050.63	835.02
08 33 23 11-0022 EA 8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,088.00 1,141.76	869.81
08 33 23 11-0023 EA 10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	2,791.46 1,013.29	800.22
08 33 23 11-0024 EA 10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,016.24 1,087.94	869.81
08 33 23 11-0025 EA 10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,171.44 1,157.37	904.61
08 33 23 11-0026 EA 10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,364.43 1,255.14	939.39
08 33 23 11-0027 EA 12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	2,973.21 1,102.64	835.02
08 33 23 11-0028 EA 12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,141.99 1,182.25	869.81
08 33 23 11-0029 EA 12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,380.37 1,267.09	939.39
08 33 23 11-0030 EA 12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,621.12 1,406.82	969.65
08 33 23 11-0031 EA 14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	3,723.38 1,401.82	1,030.16
08 33 23 11-0032 EA 14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	4,050.86 1,565.75	1,090.67
08 33 23 11-0033 EA 14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	4,390.87 1,739.07	1,151.17

**08 33 23 11-0034 22 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)**

Note: With curtain hood (barrel cover).

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors and Frames</b>
<b>08 33</b>	<b>Coiling Doors and Grilles</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

08 33 23 11-0035	EA 4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,313.67	688.89
	<i>For Insulated, Add</i>	805.25	
08 33 23 11-0036	EA 4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,483.86	727.16
	<i>For Insulated, Add</i>	881.19	
08 33 23 11-0037	EA 4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,606.18	757.42
	<i>For Insulated, Add</i>	932.08	
08 33 23 11-0038	EA 6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,648.04	803.71
	<i>For Insulated, Add</i>	900.99	
08 33 23 11-0039	EA 6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,905.17	880.25
	<i>For Insulated, Add</i>	990.51	
08 33 23 11-0040	EA 6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,061.30	910.51
	<i>For Insulated, Add</i>	1,066.76	
08 33 23 11-0041	EA 6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,416.10	940.76
	<i>For Insulated, Add</i>	1,292.01	
08 33 23 11-0042	EA 6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,801.13	986.14
	<i>For Insulated, Add</i>	1,519.52	
08 33 23 11-0043	EA 8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,872.99	861.11
	<i>For Insulated, Add</i>	992.26	
08 33 23 11-0044	EA 8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,102.92	918.51
	<i>For Insulated, Add</i>	1,087.19	
08 33 23 11-0045	EA 8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,284.20	956.80
	<i>For Insulated, Add</i>	1,171.44	
08 33 23 11-0046	EA 8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,625.83	987.05
	<i>For Insulated, Add</i>	1,386.82	
08 33 23 11-0047	EA 8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,997.70	1,032.43
	<i>For Insulated, Add</i>	1,604.46	
08 33 23 11-0048	EA 10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,381.02	995.06
	<i>For Insulated, Add</i>	1,192.43	
08 33 23 11-0049	EA 10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,612.69	1,033.34
	<i>For Insulated, Add</i>	1,314.47	
08 33 23 11-0050	EA 10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,027.90	1,093.85
	<i>For Insulated, Add</i>	1,544.20	
08 33 23 11-0051	EA 10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,503.64	1,184.62
	<i>For Insulated, Add</i>	1,778.47	
08 33 23 11-0052	EA 10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,004.47	1,305.63
	<i>For Insulated, Add</i>	1,990.72	
08 33 23 11-0053	EA 10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,565.80	1,456.89
	<i>For Insulated, Add</i>	2,207.51	
08 33 23 11-0054	EA 10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,187.65	1,638.43
	<i>For Insulated, Add</i>	2,428.83	
08 33 23 11-0055	EA 10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,868.90	1,850.21
	<i>For Insulated, Add</i>	2,653.86	
08 33 23 11-0056	EA 12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,623.08	1,033.34
	<i>For Insulated, Add</i>	1,322.27	
08 33 23 11-0057	EA 12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,850.48	1,066.62
	<i>For Insulated, Add</i>	1,447.89	
08 33 23 11-0058	EA 12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,361.10	1,127.12
	<i>For Insulated, Add</i>	1,749.17	
08 33 23 11-0059	EA 12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,932.23	1,217.89
	<i>For Insulated, Add</i>	2,054.99	
08 33 23 11-0060	EA 12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,509.81	1,338.91
	<i>For Insulated, Add</i>	2,324.80	
08 33 23 11-0061	EA 12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,147.88	1,490.18
	<i>For Insulated, Add</i>	2,599.14	
08 33 23 11-0062	EA 12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,846.48	1,671.70
	<i>For Insulated, Add</i>	2,878.02	
08 33 23 11-0063	EA 12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,666.08	1,913.74
	<i>For Insulated, Add</i>	3,165.98	

**08 33 23 11-0064 20 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)**

Note: With curtain hood (barrel cover)

08 33 23 11-0065	EA 14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,395.37	1,203.22
	<i>For Insulated, Add</i>	1,672.19	
08 33 23 11-0066	EA 14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,786.45	1,263.73
	<i>For Insulated, Add</i>	1,883.82	
08 33 23 11-0067	EA 14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,249.35	1,324.24
	<i>For Insulated, Add</i>	2,149.30	
08 33 23 11-0068	EA 14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,727.85	1,415.00
	<i>For Insulated, Add</i>	2,385.65	
08 33 23 11-0069	EA 14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,291.41	1,536.02
	<i>For Insulated, Add</i>	2,644.94	
08 33 23 11-0070	EA 14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,854.50	1,657.04
	<i>For Insulated, Add</i>	2,903.89	
08 33 23 11-0071	EA 14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,963.29	1,808.31
	<i>For Insulated, Add</i>	3,531.27	
08 33 23 11-0072	EA 14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,132.59	1,989.84
	<i>For Insulated, Add</i>	4,163.19	
08 33 23 11-0073	EA 16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,254.80	1,383.71
	<i>For Insulated, Add</i>	2,073.10	
08 33 23 11-0074	EA 16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,694.19	1,444.22
	<i>For Insulated, Add</i>	2,320.95	
08 33 23 11-0075	EA 16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,089.86	1,504.73
	<i>For Insulated, Add</i>	2,536.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0076 EA 16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	6,558.68	1,595.49
For Insulated, Add	2,765.11	
08 33 23 11-0077 EA 16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	7,124.43	1,716.51
For Insulated, Add	3,026.04	
08 33 23 11-0078 EA 16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	7,758.99	1,837.52
For Insulated, Add	3,338.59	
08 33 23 11-0079 EA 16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	8,699.83	1,988.80
For Insulated, Add	3,840.00	
08 33 23 11-0080 EA 16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	9,707.81	2,170.32
For Insulated, Add	4,350.93	
08 33 23 11-0081 EA 18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	5,717.97	1,556.68
For Insulated, Add	2,186.93	
08 33 23 11-0082 EA 18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	6,115.40	1,617.19
For Insulated, Add	2,403.32	
08 33 23 11-0083 EA 18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	6,745.97	1,707.95
For Insulated, Add	2,753.71	
08 33 23 11-0084 EA 18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	7,352.45	1,828.97
For Insulated, Add	3,045.20	
08 33 23 11-0085 EA 18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	8,022.82	1,980.23
For Insulated, Add	3,343.76	
08 33 23 11-0086 EA 18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	8,754.16	2,161.77
For Insulated, Add	3,647.20	
08 33 23 11-0087 EA 18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	9,939.24	2,373.55
For Insulated, Add	4,250.12	
08 33 23 11-0088 EA 18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	11,204.97	2,615.58
For Insulated, Add	4,872.67	
08 33 23 11-0089 EA 20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	6,542.68	1,790.18
For Insulated, Add	2,490.23	
08 33 23 11-0090 EA 20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	7,264.75	1,850.69
For Insulated, Add	2,950.10	
08 33 23 11-0091 EA 20' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	8,279.29	2,188.80
For Insulated, Add	3,254.62	
08 33 23 11-0092 EA 20' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	9,065.95	2,279.56
For Insulated, Add	3,722.09	
08 33 23 11-0093 EA 20' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	10,019.33	2,400.58
For Insulated, Add	4,273.76	
08 33 23 11-0094 EA 20' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	11,073.52	2,521.59
For Insulated, Add	4,901.02	
08 33 23 11-0095 EA 20' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	12,192.97	2,672.87
For Insulated, Add	5,536.39	
08 33 23 11-0096 EA 20' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	13,389.60	2,854.39
For Insulated, Add	6,188.81	
08 33 23 11-0097 EA 22' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	7,259.29	2,119.21
For Insulated, Add	2,583.56	
08 33 23 11-0098 EA 22' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	8,082.90	2,209.98
For Insulated, Add	3,078.74	
08 33 23 11-0099 EA 22' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	9,235.40	2,407.67
For Insulated, Add	3,676.16	
08 33 23 11-0100 EA 22' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	10,242.07	2,498.43
For Insulated, Add	4,308.64	
08 33 23 11-0101 EA 22' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	11,312.40	2,619.44
For Insulated, Add	4,948.02	
08 33 23 11-0102 EA 22' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	12,483.20	2,740.47
For Insulated, Add	5,662.74	
08 33 23 11-0103 EA 22' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	13,717.81	2,891.73
For Insulated, Add	6,384.48	
08 33 23 11-0104 EA 22' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	15,006.24	3,073.26
For Insulated, Add	7,105.74	
08 33 23 11-0105 EA 24' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	7,998.24	2,331.13
For Insulated, Add	2,851.63	
08 33 23 11-0106 EA 24' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	8,558.20	2,391.64
For Insulated, Add	3,189.91	
08 33 23 11-0107 EA 24' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	9,725.85	2,452.14
For Insulated, Add	3,983.96	
08 33 23 11-0108 EA 24' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	10,842.14	2,542.91
For Insulated, Add	4,698.65	
08 33 23 11-0109 EA 24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	11,977.79	2,663.92
For Insulated, Add	5,387.02	
08 33 23 11-0110 EA 24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	13,213.12	2,784.94
For Insulated, Add	6,150.14	
08 33 23 11-0111 EA 24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	14,724.77	2,951.34
For Insulated, Add	7,059.24	
08 33 23 11-0112 EA 24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	16,270.06	3,117.74
For Insulated, Add	7,993.56	
<b>08 33 23 11-0113 18 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)</b>		
Note: With curtain hood (barrel cover).		
08 33 23 11-0114 EA 14' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	4,693.71	1,203.22
For Insulated, Add	1,895.95	
08 33 23 11-0115 EA 14' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	5,125.30	1,263.73
For Insulated, Add	2,137.95	
08 33 23 11-0116 EA 14' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	5,639.48	1,324.24
For Insulated, Add	2,441.90	

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors and Frames</b>
<b>08 33</b>	<b>Coiling Doors and Grilles</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0117	EA		14' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,162.53	1,415.00
			<i>For Insulated, Add</i>	2,711.66	
08 33 23 11-0118	EA		14' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,774.32	1,536.02
			<i>For Insulated, Add</i>	3,007.13	
08 33 23 11-0119	EA		14' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,385.57	1,657.04
			<i>For Insulated, Add</i>	3,302.19	
08 33 23 11-0120	EA		14' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,615.30	1,808.31
			<i>For Insulated, Add</i>	4,020.28	
08 33 23 11-0121	EA		14' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,905.53	1,989.84
			<i>For Insulated, Add</i>	4,742.89	
08 33 23 11-0122	EA		16' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,627.91	1,383.71
			<i>For Insulated, Add</i>	2,352.93	
08 33 23 11-0123	EA		16' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,115.05	1,444.22
			<i>For Insulated, Add</i>	2,636.59	
08 33 23 11-0124	EA		16' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,551.93	1,504.73
			<i>For Insulated, Add</i>	2,882.57	
08 33 23 11-0125	EA		16' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,063.84	1,595.49
			<i>For Insulated, Add</i>	3,143.98	
08 33 23 11-0126	EA		16' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,678.15	1,716.51
			<i>For Insulated, Add</i>	3,441.33	
08 33 23 11-0127	EA		16' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,371.59	1,837.52
			<i>For Insulated, Add</i>	3,798.04	
08 33 23 11-0128	EA		16' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,408.17	1,988.80
			<i>For Insulated, Add</i>	4,371.25	
08 33 23 11-0129	EA		16' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,512.88	2,170.32
			<i>For Insulated, Add</i>	4,954.73	
08 33 23 11-0130	EA		18' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,108.65	1,556.68
			<i>For Insulated, Add</i>	2,479.94	
08 33 23 11-0131	EA		18' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,547.54	1,617.19
			<i>For Insulated, Add</i>	2,727.42	
08 33 23 11-0132	EA		18' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,245.48	1,707.95
			<i>For Insulated, Add</i>	3,128.34	
08 33 23 11-0133	EA		18' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,906.62	1,828.97
			<i>For Insulated, Add</i>	3,460.83	
08 33 23 11-0134	EA		18' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,632.17	1,980.23
			<i>For Insulated, Add</i>	3,800.78	
08 33 23 11-0135	EA		18' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,418.74	2,161.77
			<i>For Insulated, Add</i>	4,145.64	
08 33 23 11-0136	EA		18' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,718.05	2,373.55
			<i>For Insulated, Add</i>	4,834.22	
08 33 23 11-0137	EA		18' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,101.03	2,615.58
			<i>For Insulated, Add</i>	5,544.71	
08 33 23 11-0138	EA		20' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,987.02	1,790.18
			<i>For Insulated, Add</i>	2,823.49	
08 33 23 11-0139	EA		20' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,799.25	1,850.69
			<i>For Insulated, Add</i>	3,350.97	
08 33 23 11-0140	EA		20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,712.81	2,188.80
			<i>For Insulated, Add</i>	3,579.76	
08 33 23 11-0141	EA		20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,566.71	2,279.56
			<i>For Insulated, Add</i>	4,097.66	
08 33 23 11-0142	EA		20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,599.13	2,400.58
			<i>For Insulated, Add</i>	4,708.61	
08 33 23 11-0143	EA		20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,743.57	2,521.59
			<i>For Insulated, Add</i>	5,403.56	
08 33 23 11-0144	EA		20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,953.79	2,672.87
			<i>For Insulated, Add</i>	6,107.01	
08 33 23 11-0145	EA		20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	14,243.03	2,854.39
			<i>For Insulated, Add</i>	6,828.88	
08 33 23 11-0146	EA		22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,594.94	2,119.21
			<i>For Insulated, Add</i>	2,835.30	
08 33 23 11-0147	EA		22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,489.90	2,209.98
			<i>For Insulated, Add</i>	3,383.99	
08 33 23 11-0148	EA		22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,726.51	2,407.67
			<i>For Insulated, Add</i>	4,044.49	
08 33 23 11-0149	EA		22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,824.86	2,498.43
			<i>For Insulated, Add</i>	4,745.73	
08 33 23 11-0150	EA		22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,987.24	2,619.44
			<i>For Insulated, Add</i>	5,454.15	
08 33 23 11-0151	EA		22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	13,261.22	2,740.47
			<i>For Insulated, Add</i>	6,246.25	
08 33 23 11-0152	EA		22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	14,599.40	2,891.73
			<i>For Insulated, Add</i>	7,045.67	
08 33 23 11-0153	EA		22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	15,990.65	3,073.26
			<i>For Insulated, Add</i>	7,844.05	
08 33 23 11-0154	EA		24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,368.90	2,331.13
			<i>For Insulated, Add</i>	3,129.62	
08 33 23 11-0155	EA		24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,977.63	2,391.64
			<i>For Insulated, Add</i>	3,504.48	
08 33 23 11-0156	EA		24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,261.58	2,452.14
			<i>For Insulated, Add</i>	4,385.76	
08 33 23 11-0157	EA		24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,481.71	2,542.91
			<i>For Insulated, Add</i>	5,178.33	
08 33 23 11-0158	EA		24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,716.67	2,663.92
			<i>For Insulated, Add</i>	5,941.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0159 EA 24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	14,062.37 6,787.08	2,784.94
08 33 23 11-0160 EA 24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	15,705.00 7,794.41	2,951.34
08 33 23 11-0161 EA 24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	17,385.00 8,829.77	3,117.74
<b>08 33 23 11-0162 Aluminum Overhead Coiling Doors (Width x Height)</b> <small>(08 33 23 11)</small>		
Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
<b>08 33 23 11-0163 0.04" Aluminum Overhead Coiling Doors</b> <small>(08 33 23 11-0162)</small>		
08 33 23 11-0164 EA 4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,497.90	688.89
08 33 23 11-0165 EA 4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,684.31	727.16
08 33 23 11-0166 EA 4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,154.58	757.42
08 33 23 11-0167 EA 6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,059.33	803.71
08 33 23 11-0168 EA 6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,348.26	880.25
08 33 23 11-0169 EA 6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,544.68	910.51
08 33 23 11-0170 EA 6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,781.85	940.76
08 33 23 11-0171 EA 6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,052.20	986.14
08 33 23 11-0172 EA 8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,341.74	861.11
08 33 23 11-0173 EA 8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,640.49	918.51
08 33 23 11-0174 EA 8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,903.85	956.80
08 33 23 11-0175 EA 8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,141.21	987.05
08 33 23 11-0176 EA 8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,409.78	1,032.43
08 33 23 11-0177 EA 10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,994.76	995.06
08 33 23 11-0178 EA 10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,253.89	1,033.34
08 33 23 11-0179 EA 10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,600.02	1,093.85
08 33 23 11-0180 EA 10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,007.94	1,184.62
08 33 23 11-0181 EA 10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,637.10	1,305.63
08 33 23 11-0182 EA 10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,326.66	1,456.89
08 33 23 11-0183 EA 10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,073.06	1,638.43
08 33 23 11-0184 EA 10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,881.03	1,850.21
08 33 23 11-0185 EA 12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,249.31	1,033.34
08 33 23 11-0186 EA 12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,756.76	1,066.62
08 33 23 11-0187 EA 12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,221.38	1,127.12
08 33 23 11-0188 EA 12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,748.58	1,217.89
08 33 23 11-0189 EA 12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,468.87	1,338.91
08 33 23 11-0190 EA 12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,231.42	1,490.18
08 33 23 11-0191 EA 12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,805.84	1,671.70
08 33 23 11-0192 EA 12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	8,503.65	1,913.74
<b>08 33 23 11-0193 0.05" Aluminum Overhead Coiling Doors</b> <small>(08 33 23 11-0162)</small>		
08 33 23 11-0194 EA 14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,859.67	1,203.22
08 33 23 11-0195 EA 14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,471.34	1,263.73
08 33 23 11-0196 EA 14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,071.41	1,324.24
08 33 23 11-0197 EA 14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,685.50	1,415.00
08 33 23 11-0198 EA 14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,397.88	1,536.02
08 33 23 11-0199 EA 14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,110.22	1,657.04
08 33 23 11-0200 EA 14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,893.25	1,808.31
08 33 23 11-0201 EA 14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,736.90	1,989.84
08 33 23 11-0202 EA 16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,663.42	1,383.71
08 33 23 11-0203 EA 16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,302.68	1,444.22
08 33 23 11-0204 EA 16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,915.78	1,504.73
08 33 23 11-0205 EA 16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,608.27	1,595.49
08 33 23 11-0206 EA 16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,413.56	1,716.51
08 33 23 11-0207 EA 16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,262.36	1,837.52
08 33 23 11-0208 EA 16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,136.83	1,988.80
08 33 23 11-0209 EA 16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,026.82	2,170.32
08 33 23 11-0210 EA 18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,330.22	1,556.68
08 33 23 11-0211 EA 18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,014.46	1,617.19
08 33 23 11-0212 EA 18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,825.10	1,707.95
08 33 23 11-0213 EA 18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,684.96	1,828.97
08 33 23 11-0214 EA 18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,614.60	1,980.23
08 33 23 11-0215 EA 18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,598.97	2,161.77
08 33 23 11-0216 EA 18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,642.37	2,373.55
08 33 23 11-0217 EA 18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	12,752.08	2,615.58
08 33 23 11-0218 EA 20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,232.71	1,790.18
08 33 23 11-0219 EA 20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,930.02	1,850.69
08 33 23 11-0220 EA 20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,073.96	1,941.41
08 33 23 11-0221 EA 20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,885.07	2,062.47
08 33 23 11-0222 EA 20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,893.08	2,213.73
08 33 23 11-0223 EA 20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,987.75	2,395.27
08 33 23 11-0224 EA 20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	13,096.46	2,607.05
08 33 23 11-0225 EA 20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	14,296.20	2,849.08
08 33 23 11-0226 EA 22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,539.56	2,119.21
08 33 23 11-0227 EA 22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,458.50	2,209.98
08 33 23 11-0228 EA 22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,695.94	2,407.67
08 33 23 11-0229 EA 22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,700.52	2,498.43
08 33 23 11-0230 EA 22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	12,764.19	2,619.44

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors and Frames</b>
<b>08 33</b>	<b>Coiling Doors and Grilles</b>



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 33 23 11-0231	EA	22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	13,837.99		2,740.47
08 33 23 11-0232	EA	22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	14,917.16		2,891.73
08 33 23 11-0233	EA	22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	16,064.08		3,073.26
08 33 23 11-0234	EA	24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	9,412.01		2,331.13
08 33 23 11-0235	EA	24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	9,975.77		2,391.64
08 33 23 11-0236	EA	24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	11,319.08		2,452.14
08 33 23 11-0237	EA	24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	12,442.69		2,542.91
08 33 23 11-0238	EA	24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	13,567.32		2,663.92
08 33 23 11-0239	EA	24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	14,691.95		2,784.94
08 33 23 11-0240	EA	24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	16,028.05		2,936.21
08 33 23 11-0241	EA	24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	17,468.22		3,117.74
<b>08 33 23 11-0242</b>		<b>Overhead Coiling Door Accessories (08 33 23 11)</b>			
08 33 23 11-0243	LF	Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only .....	4.81		1.36
08 33 23 11-0244	LF	Top Of Door (Lintel), Weather Strip Seal For Coiling Doors .....	31.63		1.63
08 33 23 11-0245	LF	Side Of Door (Guides), Weather Strip Seal For Coiling Doors .....	30.16		1.63
08 33 23 11-0246	EA	Cylinder Lock For Coiling Doors .....	258.82		68.11
08 33 23 11-0247	EA	Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	1,698.21		217.95
		Note: Includes three button inside station controls and mounting hardware.			
08 33 23 11-0248	EA	Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	2,148.48		217.95
		Note: Includes three button inside station controls and mounting hardware.			
08 33 23 11-0249	EA	>12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	2,011.67		245.19
		Note: Includes three button inside station controls and mounting hardware.			
08 33 23 11-0250	EA	>12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	2,381.36		245.19
		Note: Includes three button inside station controls and mounting hardware.			
08 33 23 11-0251	EA	>18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	2,595.30		272.43
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.			
08 33 23 11-0252	EA	>18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	2,819.57		272.43
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.			
08 33 23 11-0253	LF	Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles .....	126.29		
08 33 23 11-0254	EA	Remote Transmitter Kit For Coiling Door Operators .....	344.02		108.97
<b>08 33 23 11-0255</b>		<b>Removal And Reinstallation Of Roll-Up Door And Support (08 33 23 11)</b>			
		Note: Includes storage, cleaning and supply materials.			
08 33 23 11-0256	SF	Removal And Reinstallation Of Metal Roll-up Door And Supports .....			23.56
<b>08 33 23 13</b>		<b>Overhead Rapid Coiling Doors (08 33 23)</b>			
		Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0981 for forklift.			
<b>08 33 23 13-0001</b>		<b>32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13)</b>			
		Note: Door panel is 32 ounce vinyl. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Manual drive system.			
<b>08 33 23 13-0002</b>		<b>32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0001)</b>			
<b>08 33 23 13-0003</b>		<b>5' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)</b>			
08 33 23 13-0004	EA	5' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	3,820.46		398.84
08 33 23 13-0005	EA	5' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,026.46		417.36
08 33 23 13-0006	EA	5' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,231.14		435.90
08 33 23 13-0007	EA	5' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,434.52		454.42
08 33 23 13-0008	EA	5' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,640.52		472.95
08 33 23 13-0009	EA	5' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,845.21		491.47
<b>08 33 23 13-0010</b>		<b>6' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)</b>			
08 33 23 13-0011	EA	6' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,026.46		417.36
08 33 23 13-0012	EA	6' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,231.14		435.90
08 33 23 13-0013	EA	6' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,434.52		454.42
08 33 23 13-0014	EA	6' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,640.52		472.95
08 33 23 13-0015	EA	6' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,845.21		491.47
08 33 23 13-0016	EA	6' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,049.91		510.00
<b>08 33 23 13-0017</b>		<b>7' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)</b>			
08 33 23 13-0018	EA	7' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,231.14		435.90
08 33 23 13-0019	EA	7' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,434.52		454.42
08 33 23 13-0020	EA	7' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,640.52		472.95
08 33 23 13-0021	EA	7' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,845.21		491.47
08 33 23 13-0022	EA	7' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,049.91		510.00
08 33 23 13-0023	EA	7' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,255.91		528.52





	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 33 23 13-0024</b>		<b>8' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®)</b> <small>(08 33 23 13-0002)</small>		
08 33 23 13-0025	EA	8' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,434.52	454.42
08 33 23 13-0026	EA	8' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,640.52	472.95
08 33 23 13-0027	EA	8' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,845.21	491.47
08 33 23 13-0028	EA	8' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,049.91	510.00
08 33 23 13-0029	EA	8' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,255.91	528.52
08 33 23 13-0030	EA	8' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,459.29	547.05

<b>08 33 23 13-0031</b>		<b>9' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®)</b> <small>(08 33 23 13-0002)</small>		
08 33 23 13-0032	EA	9' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,640.52	472.95
08 33 23 13-0033	EA	9' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,845.21	491.47
08 33 23 13-0034	EA	9' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,049.91	510.00
08 33 23 13-0035	EA	9' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,255.91	528.52
08 33 23 13-0036	EA	9' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,459.29	547.05
08 33 23 13-0037	EA	9' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,665.29	565.57

<b>08 33 23 13-0038</b>		<b>10' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®)</b> <small>(08 33 23 13-0002)</small>		
08 33 23 13-0039	EA	10' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,845.21	491.47
08 33 23 13-0040	EA	10' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,049.91	510.00
08 33 23 13-0041	EA	10' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,255.91	528.52
08 33 23 13-0042	EA	10' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,459.29	547.05
08 33 23 13-0043	EA	10' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,665.29	565.57
08 33 23 13-0044	EA	10' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,869.99	584.10

<b>08 33 23 13-0045</b>		<b>Rytec® Bantam® Door Options</b> <small>(08 33 23 13-0001)</small>		
08 33 23 13-0046	SF	Upgrade To 2-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors .....	8.19	
08 33 23 13-0047	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors .....	18.01	
08 33 23 13-0048	LF	31" High Full Vision Panel For Rytec® Bantam® High-Speed Rolling Doors .....	26.19	
Note: Multiply linear foot price x width of door.				
08 33 23 13-0049	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Bantam® High-Speed Rolling Doors .....	248.84	
08 33 23 13-0050	EA	Roll Cover For Rytec® Bantam® High-Speed Rolling Doors .....	501.88	54.48
08 33 23 13-0051	EA	Motor Cover For Rytec® Bantam® High-Speed Rolling Doors .....	501.88	54.48
08 33 23 13-0052	EA	Motor Operator For Rytec® Bantam® High-Speed Rolling Doors .....	2,084.26	108.97
Note: Includes open/close/stop pushbutton, pneumatic reversing edge and coil cord.				
08 33 23 13-0053	EA	Additional NEMA 4 Pushbutton Control For Rytec® Bantam® Motor Operator .....	279.23	54.48
Note: Includes open/close/stop control.				
08 33 23 13-0054	EA	Auto Close Feature For Rytec® Bantam® Motor Operator .....	272.68	54.48

<b>08 33 23 13-0055</b>		<b>2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> <small>(08 33 23 13-0055)</small>		
Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.				

<b>08 33 23 13-0056</b>		<b>2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> <small>(08 33 23 13-0055)</small>		
<b>08 33 23 13-0057</b>		<b>6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> <small>(08 33 23 13-0056)</small>		
08 33 23 13-0058	EA	6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	11,402.68	435.90
08 33 23 13-0059	EA	6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	11,592.52	454.42
08 33 23 13-0060	EA	6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	11,810.26	472.95
08 33 23 13-0061	EA	6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	12,110.46	491.47
08 33 23 13-0062	EA	6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	12,416.74	510.00
08 33 23 13-0063	EA	6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	12,926.73	528.52
08 33 23 13-0064	EA	6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	13,291.21	547.05

<b>08 33 23 13-0065</b>		<b>7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> <small>(08 33 23 13-0056)</small>		
08 33 23 13-0066	EA	7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	11,632.54	454.42
08 33 23 13-0067	EA	7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	11,872.11	472.95
08 33 23 13-0068	EA	7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	12,171.10	491.47
08 33 23 13-0069	EA	7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	12,487.07	510.00
08 33 23 13-0070	EA	7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	12,901.27	528.52
08 33 23 13-0071	EA	7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	13,399.13	547.05
08 33 23 13-0072	EA	7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	13,793.92	565.57



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>08 33 23 13-0073</b>	<b>8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> <small>(08 33 23 13-0056)</small>		
08 33 23 13-0074	EA 8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,910.91	472.95
08 33 23 13-0075	EA 8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,208.69	491.47
08 33 23 13-0076	EA 8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,536.79	510.00
08 33 23 13-0077	EA 8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,963.11	528.52
08 33 23 13-0078	EA 8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,348.20	547.05
08 33 23 13-0079	EA 8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,889.73	565.57
08 33 23 13-0080	EA 8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,335.45	584.10
<b>08 33 23 13-0081</b>	<b>9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> <small>(08 33 23 13-0056)</small>		
08 33 23 13-0082	EA 9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,248.71	491.47
08 33 23 13-0083	EA 9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,574.39	510.00
08 33 23 13-0084	EA 9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,000.71	528.52
08 33 23 13-0085	EA 9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,397.92	547.05
08 33 23 13-0086	EA 9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,814.54	565.57
08 33 23 13-0087	EA 9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,246.92	584.10
08 33 23 13-0088	EA 9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,720.54	602.62
<b>08 33 23 13-0089</b>	<b>10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> <small>(08 33 23 13-0056)</small>		
08 33 23 13-0090	EA 10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,605.92	510.00
08 33 23 13-0091	EA 10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,040.72	528.52
08 33 23 13-0092	EA 10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,434.30	547.05
08 33 23 13-0093	EA 10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,854.56	565.57
08 33 23 13-0094	EA 10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,319.68	584.10
08 33 23 13-0095	EA 10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,419.79	602.62
08 33 23 13-0096	EA 10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	15,205.06	621.14
<b>08 33 23 13-0097</b>	<b>11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> <small>(08 33 23 13-0056)</small>		
08 33 23 13-0098	EA 11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,063.76	528.52
08 33 23 13-0099	EA 11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,467.04	547.05
08 33 23 13-0100	EA 11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,892.15	565.57
08 33 23 13-0101	EA 11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,358.49	584.10
08 33 23 13-0102	EA 11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,667.18	602.62
08 33 23 13-0103	EA 11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	15,270.55	621.14
08 33 23 13-0104	EA 11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	15,766.00	639.67
<b>08 33 23 13-0105</b>	<b>12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> <small>(08 33 23 13-0056)</small>		
08 33 23 13-0106	EA 12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,477.96	547.05
08 33 23 13-0107	EA 12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,913.98	565.57
08 33 23 13-0108	EA 12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,388.81	584.10
08 33 23 13-0109	EA 12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,708.41	602.62
08 33 23 13-0110	EA 12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	15,126.24	621.14
08 33 23 13-0111	EA 12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	15,821.78	639.67
08 33 23 13-0112	EA 12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	16,307.53	658.19
<b>08 33 23 13-0113</b>	<b>Rytec® PredaDoor® Door Options</b> <small>(08 33 23 13-0055)</small>		
08 33 23 13-0114	EA Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	612.07	108.97
08 33 23 13-0115	EA >10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	872.80	108.97
08 33 23 13-0116	SF Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors.....	9.82	
<b>08 33 23 13-0117</b>	<b>3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0117)</small>		
	Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.		
<b>08 33 23 13-0118</b>	<b>3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0117)</small>		
<b>08 33 23 13-0119</b>	<b>8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0120	EA		8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	17,432.87 675.00 1,100.00 2,750.00 2,200.00 3,300.00	980.76
08 33 23	13-0121	EA		8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,217.26 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,008.55
08 33 23	13-0122	EA		8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,902.22 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,036.33
08 33 23	13-0123	EA		8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	19,638.11 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,064.13
08 33 23	13-0124	EA		8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	20,471.00 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,091.91
08 33 23	13-0125	EA		8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	20,913.43 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,119.70
08 33 23	13-0126	EA		8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	21,598.38 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,147.49
08 33 23	13-0127	EA		8' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	22,210.88 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,177.33
08 33 23	13-0128	EA		8' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	23,179.72 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,207.93
08 33 23	13-0129	EA		8' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	23,965.49 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,239.33
08 33 23	13-0130	EA		8' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	24,936.24 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,271.56
08 33 23	13-0131			<b>9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> (08 33 23 13-0118)		
08 33 23	13-0132	EA		9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,217.26 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,008.55
08 33 23	13-0133	EA		9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,902.22 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,036.33

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0134	EA	9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,638.11	1,064.13	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00		
08 33 23 13-0135	EA	9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,471.00	1,091.91	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00		
08 33 23 13-0136	EA	9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,913.43	1,119.70	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00		
08 33 23 13-0137	EA	9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,598.38	1,147.49	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00		
08 33 23 13-0138	EA	9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,478.58	1,175.27	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00		
08 33 23 13-0139	EA	9' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	23,179.72	1,207.93	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00		
08 33 23 13-0140	EA	9' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	23,965.49	1,239.33	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00		
08 33 23 13-0141	EA	9' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	24,936.24	1,271.56	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00		
08 33 23 13-0142	EA	9' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,090.72	1,304.62	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00		
08 33 23 13-0143		<b>10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> (08 33 23 13-0118)			
08 33 23 13-0144	EA	10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,902.22	1,036.33	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00		
08 33 23 13-0145	EA	10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,638.11	1,064.13	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00		
08 33 23 13-0146	EA	10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,471.00	1,091.91	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00		
08 33 23 13-0147	EA	10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,913.43	1,119.70	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
08 33 23	13-0148	EA		10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,598.38	1,147.49	
				For NEMA 4X Control Box, Add	675.00		
				For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
				For AC Variable Speed Motor And Controls, Add	2,750.00		
				For 304 Stainless Steel Side Frame Tower, Add	3,300.00		
				For 316 Stainless Steel Side Frame Tower, Add	4,950.00		
08 33 23	13-0149	EA		10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,478.58	1,175.27	
				For NEMA 4X Control Box, Add	675.00		
				For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
				For AC Variable Speed Motor And Controls, Add	2,750.00		
				For 304 Stainless Steel Side Frame Tower, Add	3,300.00		
				For 316 Stainless Steel Side Frame Tower, Add	4,950.00		
08 33 23	13-0150	EA		10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,310.27	1,203.07	
				For NEMA 4X Control Box, Add	675.00		
				For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
				For AC Variable Speed Motor And Controls, Add	2,750.00		
				For 304 Stainless Steel Side Frame Tower, Add	3,300.00		
				For 316 Stainless Steel Side Frame Tower, Add	4,950.00		
08 33 23	13-0151	EA		10' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,964.28	1,238.74	
				For NEMA 4X Control Box, Add	675.00		
				For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
				For AC Variable Speed Motor And Controls, Add	2,750.00		
				For 304 Stainless Steel Side Frame Tower, Add	3,300.00		
				For 316 Stainless Steel Side Frame Tower, Add	4,950.00		
08 33 23	13-0152	EA		10' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,935.00	1,270.95	
				For NEMA 4X Control Box, Add	675.00		
				For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
				For AC Variable Speed Motor And Controls, Add	2,750.00		
				For 304 Stainless Steel Side Frame Tower, Add	3,300.00		
				For 316 Stainless Steel Side Frame Tower, Add	4,950.00		
08 33 23	13-0153	EA		10' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,089.44	1,303.99	
				For NEMA 4X Control Box, Add	675.00		
				For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
				For AC Variable Speed Motor And Controls, Add	2,750.00		
				For 304 Stainless Steel Side Frame Tower, Add	3,300.00		
				For 316 Stainless Steel Side Frame Tower, Add	4,950.00		
08 33 23	13-0154	EA		10' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,064.87	1,337.89	
				For NEMA 4X Control Box, Add	675.00		
				For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
				For AC Variable Speed Motor And Controls, Add	2,750.00		
				For 304 Stainless Steel Side Frame Tower, Add	3,300.00		
				For 316 Stainless Steel Side Frame Tower, Add	4,950.00		
08 33 23	13-0155	<b>11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>					
08 33 23	13-0156	EA		11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,638.11	1,064.13	
				For NEMA 4X Control Box, Add	675.00		
				For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
				For AC Variable Speed Motor And Controls, Add	2,750.00		
				For 304 Stainless Steel Side Frame Tower, Add	3,850.00		
				For 316 Stainless Steel Side Frame Tower, Add	5,775.00		
08 33 23	13-0157	EA		11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,471.00	1,091.91	
				For NEMA 4X Control Box, Add	675.00		
				For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
				For AC Variable Speed Motor And Controls, Add	2,750.00		
				For 304 Stainless Steel Side Frame Tower, Add	3,850.00		
				For 316 Stainless Steel Side Frame Tower, Add	5,775.00		
08 33 23	13-0158	EA		11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,913.43	1,119.70	
				For NEMA 4X Control Box, Add	675.00		
				For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
				For AC Variable Speed Motor And Controls, Add	2,750.00		
				For 304 Stainless Steel Side Frame Tower, Add	3,850.00		
				For 316 Stainless Steel Side Frame Tower, Add	5,775.00		
08 33 23	13-0159	EA		11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,598.38	1,147.49	
				For NEMA 4X Control Box, Add	675.00		
				For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
				For AC Variable Speed Motor And Controls, Add	2,750.00		
				For 304 Stainless Steel Side Frame Tower, Add	3,850.00		
				For 316 Stainless Steel Side Frame Tower, Add	5,775.00		
08 33 23	13-0160	EA		11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,478.58	1,175.27	
				For NEMA 4X Control Box, Add	675.00		
				For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
				For AC Variable Speed Motor And Controls, Add	2,750.00		
				For 304 Stainless Steel Side Frame Tower, Add	3,850.00		
				For 316 Stainless Steel Side Frame Tower, Add	5,775.00		
08 33 23	13-0161	EA		11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,310.27	1,203.07	
				For NEMA 4X Control Box, Add	675.00		
				For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
				For AC Variable Speed Motor And Controls, Add	2,750.00		
				For 304 Stainless Steel Side Frame Tower, Add	3,850.00		
				For 316 Stainless Steel Side Frame Tower, Add	5,775.00		

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors and Frames</b>
<b>08 33</b>	<b>Coiling Doors and Grilles</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0162	EA		11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,238.98	1,230.85
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0163	EA		11' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,932.03	1,269.46
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0164	EA		11' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,086.39	1,302.46
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0165	EA		11' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,061.74	1,336.33
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0166	EA		11' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,218.27	1,371.07
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
<b>08 33 23 13-0167 12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b>					
<small>(08 33 23 13-0118)</small>					
08 33 23 13-0168	EA		12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,471.00	1,091.91
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0169	EA		12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,913.43	1,119.70
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0170	EA		12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,598.38	1,147.49
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0171	EA		12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,478.58	1,175.27
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0172	EA		12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,310.27	1,203.07
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0173	EA		12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,238.98	1,230.85
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0174	EA		12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,909.38	1,258.64
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0175	EA		12' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,081.83	1,300.17
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0176	EA		12' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	27,057.05 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,333.98
08 33 23	13-0177	EA		12' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	28,213.46 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,368.67
08 33 23	13-0178	EA		12' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	29,371.67 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,404.25
08 33 23	13-0179			<b>13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23	13-0180	EA		13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	21,413.05 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,119.70
08 33 23	13-0181	EA		13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	22,285.97 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,147.49
08 33 23	13-0182	EA		13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	23,114.02 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,175.27
08 33 23	13-0183	EA		13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	24,074.26 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,203.07
08 33 23	13-0184	EA		13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	25,030.86 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,230.85
08 33 23	13-0185	EA		13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	25,743.70 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,258.64
08 33 23	13-0186	EA		13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	26,287.98 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,286.43
08 33 23	13-0187	EA		13' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	27,125.72 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,330.99
08 33 23	13-0188	EA		13' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	28,283.29 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,365.59
08 33 23	13-0189	EA		13' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	29,446.58 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,401.11

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0190	EA		13' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,472.89	1,437.53
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
<b>08 33 23 13-0191</b>			<b>14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0192	EA		14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,285.97	1,147.49
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0193	EA		14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,114.02	1,175.27
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0194	EA		14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,074.26	1,203.07
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0195	EA		14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,030.86	1,230.85
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0196	EA		14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,743.70	1,258.64
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0197	EA		14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,287.98	1,286.43
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0198	EA		14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,091.78	1,314.21
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0199	EA		14' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,275.58	1,361.74
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0200	EA		14' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,438.66	1,397.14
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0201	EA		14' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,464.77	1,433.46
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0202	EA		14' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,683.27	1,470.74
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
<b>08 33 23 13-0203</b>			<b>15' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0204	EA		15' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,058.83	1,147.49
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 33 23	13-0205	EA	15' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	24,019.41 675.00 1,100.00 2,750.00	1,175.27
	08 33 23	13-0206	EA	15' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	24,976.06 675.00 1,100.00 2,750.00	1,203.07
	08 33 23	13-0207	EA	15' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	25,689.10 675.00 1,100.00 2,750.00	1,230.85
	08 33 23	13-0208	EA	15' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	26,233.19 675.00 1,100.00 2,750.00	1,258.64
	08 33 23	13-0209	EA	15' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	27,036.59 675.00 1,100.00 2,750.00	1,286.43
	08 33 23	13-0210	EA	15' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	28,240.99 675.00 1,100.00 2,750.00	1,344.45
	08 33 23	13-0211	EA	15' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	29,430.50 675.00 1,100.00 2,750.00	1,393.06
	08 33 23	13-0212	EA	15' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	30,456.38 675.00 1,100.00 2,750.00	1,429.27
	08 33 23	13-0213	EA	15' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	32,674.67 675.00 1,100.00 2,750.00	1,466.44
	08 33 23	13-0214	EA	15' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	34,240.05 675.00 1,100.00 2,750.00	1,504.57
	08 33 23	13-0215		<b>16' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
	08 33 23	13-0216	EA	16' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	24,070.62 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,200.88
	08 33 23	13-0217	EA	16' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	25,029.85 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,229.96
	08 33 23	13-0218	EA	16' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	25,745.48 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,259.04
	08 33 23	13-0219	EA	16' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	26,292.16 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,288.12
	08 33 23	13-0220	EA	16' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	27,098.15 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,317.20
	08 33 23	13-0221	EA	16' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	28,244.67 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,346.29
	08 33 23	13-0222	EA	16' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	29,395.11 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,375.36

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0223	EA		16' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,448.02	1,425.09
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00	
08 33 23 13-0224	EA		16' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,666.10	1,462.15
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00	
08 33 23 13-0225	EA		16' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,231.25	1,500.16
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00	
08 33 23 13-0226	EA		16' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,806.24	1,539.17
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00	
<b>08 33 23 13-0227</b>			<b>17' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0228	EA		17' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,940.48	1,228.50
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0229	EA		17' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,743.88	1,258.25
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0230	EA		17' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,713.62	1,288.00
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0231	EA		17' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,777.65	1,317.75
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0232	EA		17' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,755.25	1,347.50
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0233	EA		17' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,203.02	1,377.25
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0234	EA		17' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	31,598.41	1,407.00
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0235	EA		17' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,657.55	1,457.88
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0236	EA		17' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,222.48	1,495.78
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0237	EA		17' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,797.24	1,534.67
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0238	EA		17' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,325.56	1,574.57
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
<b>08 33 23 13-0239</b>			<b>18' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0240	EA		18' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,994.98	1,256.76
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0241 EA 18' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,052.52	1,287.19
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	6,720.00	
For 316 Stainless Steel Side Frame Tower, Add	8,230.00	
08 33 23 13-0242 EA 18' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,203.05	1,317.63
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	6,720.00	
For 316 Stainless Steel Side Frame Tower, Add	8,230.00	
08 33 23 13-0243 EA 18' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,349.66	1,348.06
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	6,720.00	
For 316 Stainless Steel Side Frame Tower, Add	8,230.00	
08 33 23 13-0244 EA 18' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,544.72	1,378.50
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	6,720.00	
For 316 Stainless Steel Side Frame Tower, Add	8,230.00	
08 33 23 13-0245 EA 18' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,237.47	1,408.93
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	6,720.00	
For 316 Stainless Steel Side Frame Tower, Add	8,230.00	
08 33 23 13-0246 EA 18' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,977.36	1,439.36
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	6,720.00	
For 316 Stainless Steel Side Frame Tower, Add	8,230.00	
08 33 23 13-0247 EA 18' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,848.92	1,491.40
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	6,720.00	
For 316 Stainless Steel Side Frame Tower, Add	8,230.00	
08 33 23 13-0248 EA 18' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,788.26	1,530.19
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	6,720.00	
For 316 Stainless Steel Side Frame Tower, Add	8,230.00	
08 33 23 13-0249 EA 18' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,273.13	1,569.97
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	6,720.00	
For 316 Stainless Steel Side Frame Tower, Add	8,230.00	
08 33 23 13-0250 EA 18' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,805.91	1,610.78
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	6,720.00	
For 316 Stainless Steel Side Frame Tower, Add	8,230.00	
<b>08 33 23 13-0251 19' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0252 EA 19' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,049.47	1,285.66
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0253 EA 19' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,201.40	1,316.79
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0254 EA 19' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,349.41	1,347.93
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0255 EA 19' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,545.87	1,379.06
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0256 EA 19' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,240.01	1,410.20
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0257	EA		19' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,981.30	1,441.33
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0258	EA		19' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,811.05	1,472.47
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0259	EA		19' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,779.32	1,525.70
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0260	EA		19' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,263.95	1,565.37
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0261	EA		19' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,796.49	1,606.07
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0262	EA		19' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	40,331.14	1,647.84
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
<b>08 33 23 13-0263</b>			<b>20' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0264	EA		20' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,198.27	1,315.23
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0265	EA		20' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,347.71	1,347.08
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0266	EA		20' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,545.60	1,378.93
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0267	EA		20' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,241.18	1,410.78
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0268	EA		20' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,983.91	1,442.63
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0269	EA		20' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,815.09	1,474.48
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0270	EA		20' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,740.57	1,506.33
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0271	EA		20' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,254.79	1,560.80
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0272	EA		20' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,787.10	1,601.38
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0273	EA		20' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	40,321.51	1,643.01
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0274	EA		20' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	41,674.73	1,685.73
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
<b>08 33 23 13-0275</b>			<b>21' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0276	EA		21' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,168.08	1,410.64
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0277	EA		21' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,865.11	1,443.23
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0278 EA 21' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,607.99	1,475.81
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0279 EA 21' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,443.25	1,508.39
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0280 EA 21' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	40,368.89	1,540.98
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0281 EA 21' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	41,885.63	1,596.70
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0282 EA 21' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	43,419.81	1,638.21
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0283 EA 21' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	44,956.13	1,680.81
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0284 EA 21' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	46,311.31	1,724.51
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
<b>08 33 23 13-0285 22' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0286 EA 22' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,500.74	1,443.09
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0287 EA 22' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,200.59	1,476.43
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0288 EA 22' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,943.66	1,509.75
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0289 EA 22' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	40,779.11	1,543.09
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0290 EA 22' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	41,708.87	1,576.42
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0291 EA 22' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	43,228.17	1,633.42
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0292 EA 22' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	44,764.25	1,675.89
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0293 EA 22' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	46,301.22	1,719.46
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0294 EA 22' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	47,659.72	1,764.17
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
<b>08 33 23 13-0295 23' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0296 EA 23' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,836.21	1,476.29
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0297 EA 23' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,536.29	1,510.38
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0298 EA 23' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	41,282.21	1,544.48
<i>For NEMA 4X Control Box, Add</i>	675.00	
<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0299	EA		23' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,119.18	1,578.58
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0300	EA		23' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	43,049.17	1,612.68
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0301	EA		23' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	44,572.40	1,670.99
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0302	EA		23' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	46,109.12	1,714.44
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0303	EA		23' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	47,649.41	1,759.01
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0304	EA		23' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	49,009.97	1,804.74
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
<b>08 33 23 13-0305</b>			<b>24' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0306	EA		24' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,171.90	1,510.24
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0307	EA		24' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	40,873.55	1,545.12
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0308	EA		24' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,622.34	1,580.01
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0309	EA		24' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	43,460.90	1,614.88
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0310	EA		24' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	44,391.13	1,649.77
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0311	EA		24' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	45,915.73	1,709.42
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0312	EA		24' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	47,455.77	1,753.86
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0313	EA		24' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	48,999.41	1,799.47
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0314	EA		24' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	50,359.46	1,846.26
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
<b>08 33 23 13-0315</b>			<b>Rytec® Fast-Seal® Door Options</b> <small>(08 33 23 13-0117)</small>		
08 33 23 13-0316	LF		Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors .....	36.38	
			Note: Multiply linear foot price x width of door.		
08 33 23 13-0317	EA		Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors .....	394.12	
08 33 23 13-0318	EA		>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors .....	654.85	
08 33 23 13-0319	EA		>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors .....	963.01	
08 33 23 13-0320	EA		>20' To 24' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors .....	1,440.66	
08 33 23 13-0321	EA		One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	230.41	
08 33 23 13-0322	EA		Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	454.75	
			Note: Door must be at least 90" wide.		
08 33 23 13-0323	EA		Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	576.02	
			Note: Door must be at least 102" wide.		
08 33 23 13-0324	EA		Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	909.51	
			Note: Door must be at least 136" wide.		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0325	EA	One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	266.79	
08 33 23 13-0326	EA	Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	527.51	
		Note: Door must be at least 108" wide.		
08 33 23 13-0327	EA	Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	654.85	
		Note: Door must be at least 144" wide.		
08 33 23 13-0328	EA	Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	1,055.03	
		Note: Door must be at least 192" wide.		
08 33 23 13-0329	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 8' Or 10' .....	696.52	
		For 304 Stainless Steel, Add	111.44	
		For 316 Stainless Steel, Add	487.56	
08 33 23 13-0330	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 12' Or 14' .....	905.48	
		For 304 Stainless Steel, Add	144.88	
		For 316 Stainless Steel, Add	633.84	
08 33 23 13-0331	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 16' Or 18' .....	1,184.09	
		For 304 Stainless Steel, Add	189.45	
		For 316 Stainless Steel, Add	828.86	
08 33 23 13-0332	EA	Through Wall Brake Release .....	135.53	
08 33 23 13-0333	EA	Explosion Proof Upgrade Package: Control Box, Motor, Rotary Limit Switch, Photo-eyes, Safety Bar, Push Buttons .....	19,990.27	
		For NEMA 12 Control Box Mounted Outside Explosion Proof Area, Deduct	-6,200.00	
<b>08 33 23 13-0334</b>		<b>High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13)</small>		
		Note: Rytec® Powerhouse™, Door panel is styrene butadiene rubber (SBR) panel 1/4" thick, made of two 1/8" thick layers, 60 durometer; sandwiched with 1-ply, 110 lbs polyester cord center. Panel includes bonded SBR beveled segmented windlocks to allow the door panel to effectively release from the side frame in case of accidental impact. Vertical orange stripes for visual safety awareness. Side frames are structural columns consisting of 5 x 2 x 1/4" structural steel tubing, welded to a reinforced 0.22" thick steel 'Z' mounting bracket and 0.18" thick steel hinged cover. Drive system is a 480 volt, 3-phase variable speed AC Drive motor with brake and absolute encoder. Opens at up to 60" per second and closes at 21" per second.		
<b>08 33 23 13-0335</b>		<b>High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0334)</small>		
<b>08 33 23 13-0336</b>		<b>8' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0337	EA	8' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	22,916.60	980.76
08 33 23 13-0338	EA	8' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	23,126.71	1,008.55
08 33 23 13-0339	EA	8' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	23,490.07	1,036.33
08 33 23 13-0340	EA	8' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	23,853.42	1,064.13
08 33 23 13-0341	EA	8' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,218.08	1,091.91
08 33 23 13-0342	EA	8' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,581.44	1,119.70
08 33 23 13-0343	EA	8' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,790.24	1,147.49
08 33 23 13-0344	EA	8' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	25,159.01	1,177.33
08 33 23 13-0345	EA	8' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	25,835.78	1,207.93
08 33 23 13-0346	EA	8' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	26,053.14	1,239.34
08 33 23 13-0347	EA	8' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	26,579.90	1,271.56
<b>08 33 23 13-0348</b>		<b>9' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0349	EA	9' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	23,126.71	1,008.55
08 33 23 13-0350	EA	9' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	23,335.52	1,036.33
08 33 23 13-0351	EA	9' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	23,700.19	1,064.13
08 33 23 13-0352	EA	9' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,218.08	1,091.91
08 33 23 13-0353	EA	9' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,426.90	1,119.70
08 33 23 13-0354	EA	9' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,790.24	1,147.49
08 33 23 13-0355	EA	9' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	25,154.91	1,175.27
08 33 23 13-0356	EA	9' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	25,528.00	1,207.93
08 33 23 13-0357	EA	9' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	26,360.92	1,239.34
08 33 23 13-0358	EA	9' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	27,196.77	1,271.56
08 33 23 13-0359	EA	9' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	28,032.99	1,304.62
<b>08 33 23 13-0360</b>		<b>10' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0361	EA	10' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,260.17	1,036.33
08 33 23 13-0362	EA	10' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,470.29	1,064.13
08 33 23 13-0363	EA	10' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	24,833.64	1,091.91
08 33 23 13-0364	EA	10' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	25,351.54	1,119.70
08 33 23 13-0365	EA	10' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	25,714.89	1,147.49
08 33 23 13-0366	EA	10' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	26,079.55	1,175.27
08 33 23 13-0367	EA	10' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	26,442.91	1,203.07
08 33 23 13-0368	EA	10' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	26,976.57	1,238.73
08 33 23 13-0369	EA	10' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	27,656.54	1,270.95
08 33 23 13-0370	EA	10' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	28,647.27	1,303.98
08 33 23 13-0371	EA	10' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	29,486.49	1,337.89



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 33 23 13-0372	11' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		
08 33 23 13-0373	EA 11' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,315.75	1,064.13
08 33 23 13-0374	EA 11' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,679.09	1,091.91
08 33 23 13-0375	EA 11' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,043.76	1,119.70
08 33 23 13-0376	EA 11' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,561.65	1,147.49
08 33 23 13-0377	EA 11' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,925.01	1,175.27
08 33 23 13-0378	EA 11' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,288.37	1,203.07
08 33 23 13-0379	EA 11' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,115.36	1,230.85
08 33 23 13-0380	EA 11' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,115.89	1,269.45
08 33 23 13-0381	EA 11' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,106.55	1,302.46
08 33 23 13-0382	EA 11' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,098.93	1,336.33
08 33 23 13-0383	EA 11' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,938.50	1,371.06
<b>08 33 23 13-0384</b>	<b>12' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b>		
08 33 23 13-0385	EA 12' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,525.86	1,091.91
08 33 23 13-0386	EA 12' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,889.22	1,119.70
08 33 23 13-0387	EA 12' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,252.57	1,147.49
08 33 23 13-0388	EA 12' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,770.47	1,175.27
08 33 23 13-0389	EA 12' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,288.37	1,203.07
08 33 23 13-0390	EA 12' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,268.59	1,230.85
08 33 23 13-0391	EA 12' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,248.80	1,258.64
08 33 23 13-0392	EA 12' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,256.52	1,300.18
08 33 23 13-0393	EA 12' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,401.99	1,333.98
08 33 23 13-0394	EA 12' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,396.02	1,368.66
08 33 23 13-0395	EA 12' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,391.82	1,404.25
<b>08 33 23 13-0396</b>	<b>13' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b>		
08 33 23 13-0397	EA 13' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,889.22	1,119.70
08 33 23 13-0398	EA 13' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,099.33	1,147.49
08 33 23 13-0399	EA 13' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,462.69	1,175.27
08 33 23 13-0400	EA 13' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,135.13	1,203.07
08 33 23 13-0401	EA 13' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,268.59	1,230.85
08 33 23 13-0402	EA 13' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,403.35	1,258.64
08 33 23 13-0403	EA 13' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,383.56	1,286.43
08 33 23 13-0404	EA 13' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,550.57	1,330.99
08 33 23 13-0405	EA 13' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,698.96	1,365.59
08 33 23 13-0406	EA 13' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,847.85	1,401.11
08 33 23 13-0407	EA 13' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,845.35	1,437.53
<b>08 33 23 13-0408</b>	<b>14' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b>		
08 33 23 13-0409	EA 14' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,099.33	1,147.49
08 33 23 13-0410	EA 14' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,308.15	1,175.27
08 33 23 13-0411	EA 14' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,826.05	1,203.07
08 33 23 13-0412	EA 14' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,806.27	1,230.85
08 33 23 13-0413	EA 14' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,248.80	1,258.64
08 33 23 13-0414	EA 14' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,383.56	1,286.43
08 33 23 13-0415	EA 14' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,671.56	1,314.21
08 33 23 13-0416	EA 14' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,844.47	1,361.74
08 33 23 13-0417	EA 14' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,994.46	1,397.15
08 33 23 13-0418	EA 14' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,145.00	1,433.46
08 33 23 13-0419	EA 14' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,453.27	1,470.74
<b>08 33 23 13-0420</b>	<b>15' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b>		
08 33 23 13-0421	EA 15' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,076.76	1,173.88
08 33 23 13-0422	EA 15' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,441.40	1,202.31
08 33 23 13-0423	EA 15' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,960.57	1,230.73
08 33 23 13-0424	EA 15' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,632.99	1,259.16
08 33 23 13-0425	EA 15' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,231.35	1,287.59
08 33 23 13-0426	EA 15' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,520.62	1,316.01
08 33 23 13-0427	EA 15' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,809.90	1,344.45
08 33 23 13-0428	EA 15' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,986.31	1,393.06
08 33 23 13-0429	EA 15' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,291.16	1,429.27
08 33 23 13-0430	EA 15' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,597.90	1,466.44
08 33 23 13-0431	EA 15' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,906.58	1,504.56





	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 33 23 13-0432</b>		<b>16' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0433	EA	16' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,284.00	1,200.88
08 33 23 13-0434	EA	16' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,804.48	1,229.96
08 33 23 13-0435	EA	16' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,324.97	1,259.04
08 33 23 13-0436	EA	16' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,615.55	1,288.12
08 33 23 13-0437	EA	16' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,368.45	1,317.20
08 33 23 13-0438	EA	16' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,660.34	1,346.29
08 33 23 13-0439	EA	16' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,950.93	1,375.36
08 33 23 13-0440	EA	16' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,282.80	1,425.09
08 33 23 13-0441	EA	16' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,589.32	1,462.15
08 33 23 13-0442	EA	16' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,897.78	1,500.16
08 33 23 13-0443	EA	16' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,362.76	1,539.17
<b>08 33 23 13-0444</b>		<b>17' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0445	EA	17' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,648.32	1,228.50
08 33 23 13-0446	EA	17' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,015.59	1,258.25
08 33 23 13-0447	EA	17' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,307.51	1,288.00
08 33 23 13-0448	EA	17' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,599.43	1,317.75
08 33 23 13-0449	EA	17' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,353.68	1,347.50
08 33 23 13-0450	EA	17' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,800.14	1,377.25
08 33 23 13-0451	EA	17' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,092.07	1,407.00
08 33 23 13-0452	EA	17' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,580.78	1,457.88
08 33 23 13-0453	EA	17' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,889.01	1,495.77
08 33 23 13-0454	EA	17' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,353.76	1,534.67
08 33 23 13-0455	EA	17' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,820.52	1,574.58
<b>08 33 23 13-0456</b>		<b>18' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0457	EA	18' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,012.61	1,256.76
08 33 23 13-0458	EA	18' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,381.26	1,287.19
08 33 23 13-0459	EA	18' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,136.86	1,317.63
08 33 23 13-0460	EA	18' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,584.70	1,348.05
08 33 23 13-0461	EA	18' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,340.32	1,378.49
08 33 23 13-0462	EA	18' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,788.14	1,408.92
08 33 23 13-0463	EA	18' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,390.52	1,439.37
08 33 23 13-0464	EA	18' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,880.26	1,491.40
08 33 23 13-0465	EA	18' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,344.78	1,530.18
08 33 23 13-0466	EA	18' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,811.31	1,569.97
08 33 23 13-0467	EA	18' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,279.92	1,610.78
<b>08 33 23 13-0468</b>		<b>19' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0469	EA	19' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,685.98	1,285.65
08 33 23 13-0470	EA	19' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,210.57	1,316.80
08 33 23 13-0471	EA	19' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,122.12	1,347.93
08 33 23 13-0472	EA	19' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,571.35	1,379.07
08 33 23 13-0473	EA	19' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,482.90	1,410.20
08 33 23 13-0474	EA	19' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,932.15	1,441.33
08 33 23 13-0475	EA	19' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,534.62	1,472.47
08 33 23 13-0476	EA	19' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,028.05	1,525.71
08 33 23 13-0477	EA	19' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,647.60	1,565.37
08 33 23 13-0478	EA	19' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,115.94	1,606.08
08 33 23 13-0479	EA	19' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,740.97	1,647.84
<b>08 33 23 13-0480</b>		<b>20' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0481	EA	20' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,669.76	1,315.23
08 33 23 13-0482	EA	20' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,195.79	1,347.08
08 33 23 13-0483	EA	20' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,954.22	1,378.94
08 33 23 13-0484	EA	20' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,559.44	1,410.77
08 33 23 13-0485	EA	20' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,472.42	1,442.63
08 33 23 13-0486	EA	20' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,076.33	1,474.48
08 33 23 13-0487	EA	20' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,681.53	1,506.34
08 33 23 13-0488	EA	20' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,330.66	1,560.80
08 33 23 13-0489	EA	20' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,953.33	1,601.38
08 33 23 13-0490	EA	20' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,576.80	1,643.01
08 33 23 13-0491	EA	20' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,202.44	1,685.74
<b>08 33 23 13-0492</b>		<b>21' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0493	EA	21' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,884.81	1,345.48



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 33 23 13-0494	EA	21' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,336.94	1,378.06
08 33 23 13-0495	EA	21' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,789.07	1,410.64
08 33 23 13-0496	EA	21' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,548.96	1,443.23
08 33 23 13-0497	EA	21' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,463.42	1,475.81
08 33 23 13-0498	EA	21' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,223.33	1,508.39
08 33 23 13-0499	EA	21' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,828.69	1,540.98
08 33 23 13-0500	EA	21' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,634.87	1,596.70
08 33 23 13-0501	EA	21' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,259.41	1,638.22
08 33 23 13-0502	EA	21' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,884.80	1,680.80
08 33 23 13-0503	EA	21' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,666.94	1,724.50

**08 33 23 13-0504 22' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** (08 33 23 13-0335)

08 33 23 13-0505	EA	22' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,254.48	1,376.43
08 33 23 13-0506	EA	22' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,553.55	1,409.77
08 33 23 13-0507	EA	22' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,778.60	1,443.09
08 33 23 13-0508	EA	22' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,540.00	1,476.43
08 33 23 13-0509	EA	22' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,609.19	1,509.76
08 33 23 13-0510	EA	22' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,370.59	1,543.10
08 33 23 13-0511	EA	22' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,978.77	1,576.41
08 33 23 13-0512	EA	22' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,787.51	1,633.42
08 33 23 13-0513	EA	22' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,567.19	1,675.88
08 33 23 13-0514	EA	22' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,349.07	1,719.46
08 33 23 13-0515	EA	22' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,133.22	1,764.17

**08 33 23 13-0516 23' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** (08 33 23 13-0335)

08 33 23 13-0517	EA	23' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,396.98	1,408.08
08 33 23 13-0518	EA	23' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,543.06	1,442.19
08 33 23 13-0519	EA	23' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,615.07	1,476.29
08 33 23 13-0520	EA	23' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,532.56	1,510.38
08 33 23 13-0521	EA	23' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,603.28	1,544.48
08 33 23 13-0522	EA	23' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,366.21	1,578.58
08 33 23 13-0523	EA	23' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,283.71	1,612.68
08 33 23 13-0524	EA	23' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,095.07	1,670.99
08 33 23 13-0525	EA	23' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,876.70	1,714.44
08 33 23 13-0526	EA	23' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,815.14	1,759.01
08 33 23 13-0527	EA	23' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,601.35	1,804.75

**08 33 23 13-0528 24' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** (08 33 23 13-0335)

08 33 23 13-0529	EA	24' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,386.40	1,440.47
08 33 23 13-0530	EA	24' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,226.26	1,475.36
08 33 23 13-0531	EA	24' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,607.63	1,510.24
08 33 23 13-0532	EA	24' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,372.14	1,545.12
08 33 23 13-0533	EA	24' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,598.96	1,580.00
08 33 23 13-0534	EA	24' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,518.02	1,614.88
08 33 23 13-0535	EA	24' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,435.76	1,649.77
08 33 23 13-0536	EA	24' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,404.36	1,709.42
08 33 23 13-0537	EA	24' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,187.99	1,753.86
08 33 23 13-0538	EA	24' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,128.48	1,799.47
08 33 23 13-0539	EA	24' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,071.33	1,846.26

**08 33 23 13-0540 Rytec® Powerhouse™ Door Options** (08 33 23 13-0334)

08 33 23 13-0541	EA	Up To 8' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,003.83	
08 33 23 13-0542	EA	9' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,043.12	
08 33 23 13-0543	EA	10' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,082.41	
08 33 23 13-0544	EA	11' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,121.70	
08 33 23 13-0545	EA	12' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,160.99	
08 33 23 13-0546	EA	13' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,200.28	
08 33 23 13-0547	EA	14' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,239.57	
08 33 23 13-0548	EA	15' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,278.86	
08 33 23 13-0549	EA	16' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,318.16	
08 33 23 13-0550	EA	17' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,357.45	
08 33 23 13-0551	EA	18' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,396.74	
08 33 23 13-0552	EA	19' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,436.03	
08 33 23 13-0553	EA	20' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,475.32	
08 33 23 13-0554	EA	21' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,514.61	
08 33 23 13-0555	EA	22' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,553.90	
08 33 23 13-0556	EA	23' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,593.19	
08 33 23 13-0557	EA	24' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,632.48	
08 33 23 13-0558	EA	11" x 20" Window For Rytec® Powerhouse™ High-Speed Rolling Doors	458.39	
08 33 23 13-0559	EA	208-230 Volt Application For Rytec® Powerhouse™ Door	1,126.34	

Note: Includes System 4 Controller In NEMA 4 Enclosure



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23 13-0560	<b>Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®)</b> <small>(08 33 23 13)</small>	
	Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.	
08 33 23 13-0561	<b>Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®)</b> <small>(08 33 23 13-0560)</small>	
08 33 23 13-0562	<b>8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0561)</small>	
08 33 23 13-0563	EA 8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,777.04 1,307.68
08 33 23 13-0564	EA 8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,488.68 1,335.46
08 33 23 13-0565	EA 8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,200.32 1,363.26
08 33 23 13-0566	EA 8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,913.17 1,391.04
08 33 23 13-0567	EA 8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,624.80 1,418.83
08 33 23 13-0568	EA 8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,336.43 1,446.62
08 33 23 13-0569	EA 8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,358.97 1,474.40
08 33 23 13-0570	EA 8' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,067.95 1,503.89
08 33 23 13-0571	EA 8' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,777.71 1,533.97
08 33 23 13-0572	EA 8' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,488.68 1,564.65
08 33 23 13-0573	EA 8' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,200.87 1,595.94
08 33 23 13-0574	<b>9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0561)</small>	
08 33 23 13-0575	EA 9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,488.68 1,335.46
08 33 23 13-0576	EA 9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,200.32 1,363.26
08 33 23 13-0577	EA 9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,913.17 1,391.04
08 33 23 13-0578	EA 9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,624.80 1,418.83
08 33 23 13-0579	EA 9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,336.43 1,446.62
08 33 23 13-0580	EA 9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,048.07 1,474.40
08 33 23 13-0581	EA 9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,070.61 1,502.20
08 33 23 13-0582	EA 9' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,769.98 1,532.24
08 33 23 13-0583	EA 9' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,492.99 1,562.89
08 33 23 13-0584	EA 9' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,205.12 1,594.15
08 33 23 13-0585	EA 9' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,918.49 1,626.02
08 33 23 13-0586	<b>10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0561)</small>	
08 33 23 13-0587	EA 10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,200.32 1,363.26
08 33 23 13-0588	EA 10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,913.17 1,391.04
08 33 23 13-0589	EA 10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,624.80 1,418.83
08 33 23 13-0590	EA 10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,336.43 1,446.62
08 33 23 13-0591	EA 10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,048.07 1,474.40
08 33 23 13-0592	EA 10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,759.70 1,502.20
08 33 23 13-0593	EA 10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,782.25 1,529.98
08 33 23 13-0594	EA 10' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,493.63 1,560.58
08 33 23 13-0595	EA 10' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,205.66 1,591.79
08 33 23 13-0596	EA 10' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,918.94 1,623.64
08 33 23 13-0597	EA 10' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,633.50 1,656.09
08 33 23 13-0598	<b>11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0561)</small>	
08 33 23 13-0599	EA 11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,913.17 1,391.04
08 33 23 13-0600	EA 11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,624.80 1,418.83
08 33 23 13-0601	EA 11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,336.43 1,446.62
08 33 23 13-0602	EA 11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,048.07 1,474.40
08 33 23 13-0603	EA 11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,759.70 1,502.20
08 33 23 13-0604	EA 11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,471.34 1,529.98
08 33 23 13-0605	EA 11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,492.66 1,557.77
08 33 23 13-0606	EA 11' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,206.47 1,588.93
08 33 23 13-0607	EA 11' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,919.64 1,620.70
08 33 23 13-0608	EA 11' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,634.08 1,653.12
08 33 23 13-0609	EA 11' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,349.81 1,686.19
08 33 23 13-0610	<b>12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0561)</small>	
08 33 23 13-0611	EA 12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,624.80 1,418.83
08 33 23 13-0612	EA 12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,336.43 1,446.62
08 33 23 13-0613	EA 12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,048.07 1,474.40
08 33 23 13-0614	EA 12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,759.70 1,502.20
08 33 23 13-0615	EA 12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,471.34 1,529.98
08 33 23 13-0616	EA 12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,182.97 1,557.77
08 33 23 13-0617	EA 12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,205.52 1,585.56
08 33 23 13-0618	EA 12' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,919.32 1,617.27
08 33 23 13-0619	EA 12' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,633.62 1,649.62

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 33 Coiling Doors and Grilles**



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 33 23	13-0620	EA	12' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,349.21	1,682.61
08 33 23	13-0621	EA	12' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,067.44	1,716.26
<b>08 33 23 13-0622 13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0661)</b>					
08 33 23	13-0623	EA	13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,336.43	1,446.62
08 33 23	13-0624	EA	13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,048.07	1,474.40
08 33 23	13-0625	EA	13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,759.70	1,502.20
08 33 23	13-0626	EA	13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,471.34	1,529.98
08 33 23	13-0627	EA	13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,182.97	1,557.77
08 33 23	13-0628	EA	13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,894.61	1,585.56
08 33 23	13-0629	EA	13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,917.15	1,613.34
08 33 23	13-0630	EA	13' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,632.17	1,645.61
08 33 23	13-0631	EA	13' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,347.58	1,678.52
08 33 23	13-0632	EA	13' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,064.35	1,712.10
08 33 23	13-0633	EA	13' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,782.44	1,746.34
<b>08 33 23 13-0634 14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0661)</b>					
08 33 23	13-0635	EA	14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,358.97	1,474.40
08 33 23	13-0636	EA	14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,070.61	1,502.20
08 33 23	13-0637	EA	14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,782.25	1,529.98
08 33 23	13-0638	EA	14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,492.66	1,557.77
08 33 23	13-0639	EA	14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,205.52	1,585.56
08 33 23	13-0640	EA	14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,917.15	1,613.34
08 33 23	13-0641	EA	14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,622.72	1,641.14
08 33 23	13-0642	EA	14' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,338.46	1,673.96
08 33 23	13-0643	EA	14' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,055.02	1,707.44
08 33 23	13-0644	EA	14' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,772.93	1,741.59
08 33 23	13-0645	EA	14' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,492.20	1,776.41
<b>08 33 23 13-0646 15' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0661)</b>					
08 33 23	13-0647	EA	15' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,067.95	1,503.89
08 33 23	13-0648	EA	15' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,782.10	1,532.24
08 33 23	13-0649	EA	15' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,493.63	1,560.58
08 33 23	13-0650	EA	15' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,206.47	1,588.93
08 33 23	13-0651	EA	15' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,919.32	1,617.27
08 33 23	13-0652	EA	15' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,632.17	1,645.61
08 33 23	13-0653	EA	15' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,338.46	1,673.96
08 33 23	13-0654	EA	15' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,055.02	1,707.44
08 33 23	13-0655	EA	15' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,772.93	1,741.59
08 33 23	13-0656	EA	15' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,492.20	1,776.41
08 33 23	13-0657	EA	15' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,212.86	1,811.95
<b>08 33 23 13-0658 16' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0661)</b>					
08 33 23	13-0659	EA	16' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,777.71	1,533.97
08 33 23	13-0660	EA	16' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,492.99	1,562.89
08 33 23	13-0661	EA	16' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,205.66	1,591.79
08 33 23	13-0662	EA	16' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,919.64	1,620.70
08 33 23	13-0663	EA	16' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,633.62	1,649.62
08 33 23	13-0664	EA	16' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,347.58	1,678.52
08 33 23	13-0665	EA	16' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,055.02	1,707.44
08 33 23	13-0666	EA	16' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,772.93	1,741.59
08 33 23	13-0667	EA	16' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,492.20	1,776.41
08 33 23	13-0668	EA	16' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,212.86	1,811.95
08 33 23	13-0669	EA	16' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,936.26	1,848.19
<b>08 33 23 13-0670 17' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0661)</b>					
08 33 23	13-0671	EA	17' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,488.68	1,564.65
08 33 23	13-0672	EA	17' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,205.12	1,594.15
08 33 23	13-0673	EA	17' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,918.94	1,623.64
08 33 23	13-0674	EA	17' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,634.08	1,653.12
08 33 23	13-0675	EA	17' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,349.21	1,682.61
08 33 23	13-0676	EA	17' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,064.35	1,712.10
08 33 23	13-0677	EA	17' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,772.93	1,741.59
08 33 23	13-0678	EA	17' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,492.20	1,776.41
08 33 23	13-0679	EA	17' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,212.86	1,811.95
08 33 23	13-0680	EA	17' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,936.26	1,848.19
08 33 23	13-0681	EA	17' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,659.80	1,885.15



		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 33 23 13-0682</b>		<b>18' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0681)</small>		
08 33 23 13-0683	EA	18' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	33,346.24	1,595.94
08 33 23 13-0684	EA	18' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,062.56	1,626.02
08 33 23 13-0685	EA	18' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,778.88	1,656.09
08 33 23 13-0686	EA	18' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,493.87	1,686.19
08 33 23 13-0687	EA	18' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,211.51	1,716.26
08 33 23 13-0688	EA	18' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,926.50	1,746.34
08 33 23 13-0689	EA	18' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,637.58	1,776.41
08 33 23 13-0690	EA	18' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,358.24	1,811.95
08 33 23 13-0691	EA	18' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,080.33	1,848.19
08 33 23 13-0692	EA	18' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,803.86	1,885.15
08 33 23 13-0693	EA	18' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,528.87	1,922.86
<b>08 33 23 13-0694</b>		<b>19' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0691)</small>		
08 33 23 13-0695	EA	19' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,275.79	1,627.87
08 33 23 13-0696	EA	19' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,994.62	1,658.55
08 33 23 13-0697	EA	19' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,710.83	1,689.23
08 33 23 13-0698	EA	19' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,428.35	1,719.90
08 33 23 13-0699	EA	19' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,145.86	1,750.59
08 33 23 13-0700	EA	19' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,863.36	1,781.27
08 33 23 13-0701	EA	19' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,574.34	1,811.95
08 33 23 13-0702	EA	19' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,286.42	1,848.19
08 33 23 13-0703	EA	19' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,019.96	1,885.15
08 33 23 13-0704	EA	19' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,744.97	1,922.86
08 33 23 13-0705	EA	19' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,472.81	1,961.31
<b>08 33 23 13-0706</b>		<b>20' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0691)</small>		
08 33 23 13-0707	EA	20' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,423.60	1,660.75
08 33 23 13-0708	EA	20' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,144.25	1,691.26
08 33 23 13-0709	EA	20' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,861.22	1,722.87
08 33 23 13-0710	EA	20' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,580.58	1,754.47
08 33 23 13-0711	EA	20' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,298.85	1,786.07
08 33 23 13-0712	EA	20' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,017.12	1,816.59
08 33 23 13-0713	EA	20' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,729.93	1,848.19
08 33 23 13-0714	EA	20' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,453.64	1,885.23
08 33 23 13-0715	EA	20' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,178.44	1,923.38
08 33 23 13-0716	EA	20' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,905.42	1,961.52
08 33 23 13-0717	EA	20' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,633.48	2,000.75
<b>08 33 23 13-0718</b>		<b>Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0560)</small>		
<b>08 33 23 13-0719</b>		<b>8' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0718)</small>		
08 33 23 13-0720	EA	8' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	24,701.99	871.78
08 33 23 13-0721	EA	8' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,244.73	890.31
08 33 23 13-0722	EA	8' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,787.46	908.83
08 33 23 13-0723	EA	8' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	26,327.78	927.36
08 33 23 13-0724	EA	8' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	26,870.52	945.88
08 33 23 13-0725	EA	8' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	27,413.26	964.41
08 33 23 13-0726	EA	8' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	33,010.44	982.93
<b>08 33 23 13-0727</b>		<b>9' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0718)</small>		
08 33 23 13-0728	EA	9' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,244.73	890.31
08 33 23 13-0729	EA	9' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,787.46	908.83
08 33 23 13-0730	EA	9' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	26,327.78	927.36
08 33 23 13-0731	EA	9' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	26,870.52	945.88
08 33 23 13-0732	EA	9' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	27,413.26	964.41
08 33 23 13-0733	EA	9' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	27,955.99	982.93
08 33 23 13-0734	EA	9' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	33,553.17	1,001.47
<b>08 33 23 13-0735</b>		<b>10' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0718)</small>		
08 33 23 13-0736	EA	10' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,787.46	908.83
08 33 23 13-0737	EA	10' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	26,327.78	927.36
08 33 23 13-0738	EA	10' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	26,870.52	945.88
08 33 23 13-0739	EA	10' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	27,413.26	964.41
08 33 23 13-0740	EA	10' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	27,955.99	982.93
08 33 23 13-0741	EA	10' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	28,498.73	1,001.47

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0742 EA 10' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	34,095.90	1,019.99
<b>08 33 23 13-0743 11' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)</b>		
08 33 23 13-0744 EA 11' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	26,327.78	927.36
08 33 23 13-0745 EA 11' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	26,870.52	945.88
08 33 23 13-0746 EA 11' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	27,413.26	964.41
08 33 23 13-0747 EA 11' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	27,955.99	982.93
08 33 23 13-0748 EA 11' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	28,498.73	1,001.47
08 33 23 13-0749 EA 11' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	29,041.46	1,019.99
08 33 23 13-0750 EA 11' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	34,636.21	1,038.52
<b>08 33 23 13-0751 12' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)</b>		
08 33 23 13-0752 EA 12' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	26,870.52	945.88
08 33 23 13-0753 EA 12' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	27,413.26	964.41
08 33 23 13-0754 EA 12' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	27,955.99	982.93
08 33 23 13-0755 EA 12' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	28,498.73	1,001.47
08 33 23 13-0756 EA 12' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	29,041.46	1,019.99
08 33 23 13-0757 EA 12' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	29,584.20	1,038.52
08 33 23 13-0758 EA 12' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	35,178.96	1,057.04
<b>08 33 23 13-0759 13' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)</b>		
08 33 23 13-0760 EA 13' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	27,413.26	964.41
08 33 23 13-0761 EA 13' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	27,955.99	982.93
08 33 23 13-0762 EA 13' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	28,498.73	1,001.47
08 33 23 13-0763 EA 13' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	29,041.46	1,019.99
08 33 23 13-0764 EA 13' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	29,584.20	1,038.52
08 33 23 13-0765 EA 13' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	30,126.94	1,057.04
08 33 23 13-0766 EA 13' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	35,721.70	1,075.57
<b>08 33 23 13-0767 14' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)</b>		
08 33 23 13-0768 EA 14' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	33,010.44	982.93
08 33 23 13-0769 EA 14' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	33,553.17	1,001.47
08 33 23 13-0770 EA 14' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	34,095.90	1,019.99
08 33 23 13-0771 EA 14' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	34,636.21	1,038.52
08 33 23 13-0772 EA 14' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	35,178.96	1,057.04
08 33 23 13-0773 EA 14' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	35,721.70	1,075.57
08 33 23 13-0774 EA 14' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®) .....	36,264.43	1,094.09
<b>08 33 23 13-0775 Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0560)</b>		
<b>08 33 23 13-0776 8' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
08 33 23 13-0777 EA 8' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	22,969.07	871.78
08 33 23 13-0778 EA 8' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	23,511.81	890.31
08 33 23 13-0779 EA 8' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	24,054.55	908.83
08 33 23 13-0780 EA 8' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	24,596.08	927.36
08 33 23 13-0781 EA 8' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	25,138.82	945.88
08 33 23 13-0782 EA 8' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	25,670.53	959.51
08 33 23 13-0783 EA 8' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	29,338.99	964.41
<b>08 33 23 13-0784 9' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
08 33 23 13-0785 EA 9' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	23,511.81	890.31
08 33 23 13-0786 EA 9' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	24,054.55	908.83
08 33 23 13-0787 EA 9' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	24,596.08	927.36
08 33 23 13-0788 EA 9' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	25,138.82	945.88
08 33 23 13-0789 EA 9' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	25,680.34	964.41
08 33 23 13-0790 EA 9' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	26,208.91	975.85
08 33 23 13-0791 EA 9' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	28,065.14	982.93
<b>08 33 23 13-0792 10' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
08 33 23 13-0793 EA 10' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	24,054.55	908.83
08 33 23 13-0794 EA 10' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	24,596.08	927.36
08 33 23 13-0795 EA 10' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	25,138.82	945.88
08 33 23 13-0796 EA 10' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®) .....	25,680.34	964.41



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				08 33 23 13-0797 EA 10' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,223.08	982.93
				08 33 23 13-0798 EA 10' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,756.00	996.56
				08 33 23 13-0799 EA 10' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	28,758.24	1,001.47
<b>08 33 23 13-0800</b>				<b>11' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
				08 33 23 13-0801 EA 11' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,596.08	927.36
				08 33 23 13-0802 EA 11' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,138.82	945.88
				08 33 23 13-0803 EA 11' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,680.34	964.41
				08 33 23 13-0804 EA 11' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,223.08	982.93
				08 33 23 13-0805 EA 11' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,765.81	1,001.47
				08 33 23 13-0806 EA 11' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,298.74	1,015.08
				08 33 23 13-0807 EA 11' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	29,451.34	1,019.99
<b>08 33 23 13-0808</b>				<b>12' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
				08 33 23 13-0809 EA 12' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,138.82	945.88
				08 33 23 13-0810 EA 12' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,680.34	964.41
				08 33 23 13-0811 EA 12' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,223.08	982.93
				08 33 23 13-0812 EA 12' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,765.81	1,001.47
				08 33 23 13-0813 EA 12' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,308.54	1,019.99
				08 33 23 13-0814 EA 12' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,839.30	1,032.52
				08 33 23 13-0815 EA 12' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	30,144.45	1,038.52
<b>08 33 23 13-0816</b>				<b>13' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
				08 33 23 13-0817 EA 13' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,680.34	964.41
				08 33 23 13-0818 EA 13' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,223.08	982.93
				08 33 23 13-0819 EA 13' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,765.81	1,001.47
				08 33 23 13-0820 EA 13' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,308.54	1,019.99
				08 33 23 13-0821 EA 13' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,851.28	1,038.52
				08 33 23 13-0822 EA 13' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	28,383.12	1,051.59
				08 33 23 13-0823 EA 13' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	30,837.57	1,057.04
<b>08 33 23 13-0824</b>				<b>14' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
				08 33 23 13-0825 EA 14' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	29,376.04	982.93
				08 33 23 13-0826 EA 14' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	30,069.15	1,001.47
				08 33 23 13-0827 EA 14' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	30,762.25	1,019.99
				08 33 23 13-0828 EA 14' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	31,454.14	1,038.52
				08 33 23 13-0829 EA 14' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	32,148.48	1,057.04
				08 33 23 13-0830 EA 14' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	32,831.77	1,070.66
				08 33 23 13-0831 EA 14' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	32,841.58	1,075.57
<b>08 33 23 13-0832</b>				<b>Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0560)</b>		
<b>08 33 23 13-0833</b>				<b>8' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>		
				08 33 23 13-0834 EA 8' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	30,669.43	871.78
				08 33 23 13-0835 EA 8' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,357.40	890.31
				08 33 23 13-0836 EA 8' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,044.06	908.83
				08 33 23 13-0837 EA 8' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,090.89	927.36
				08 33 23 13-0838 EA 8' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,139.02	945.88
				08 33 23 13-0839 EA 8' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,187.15	964.41
				08 33 23 13-0840 EA 8' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,235.29	982.93
<b>08 33 23 13-0841</b>				<b>9' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>		
				08 33 23 13-0842 EA 9' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,357.40	890.31
				08 33 23 13-0843 EA 9' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,044.06	908.83
				08 33 23 13-0844 EA 9' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,730.72	927.36
				08 33 23 13-0845 EA 9' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,778.86	945.88
				08 33 23 13-0846 EA 9' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,825.68	964.41
				08 33 23 13-0847 EA 9' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,873.81	982.93
				08 33 23 13-0848 EA 9' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,928.49	1,001.47
<b>08 33 23 13-0849</b>				<b>10' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>		
				08 33 23 13-0850 EA 10' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,044.06	908.83
				08 33 23 13-0851 EA 10' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,730.72	927.36



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0852	EA		10' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,417.38	945.88
08 33 23 13-0853	EA		10' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,465.51	964.41
08 33 23 13-0854	EA		10' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,512.34	982.93
08 33 23 13-0855	EA		10' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,560.47	1,001.47
08 33 23 13-0856	EA		10' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,621.69	1,019.99
<b>08 33 23 13-0857</b>			<b>11' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>		
08 33 23 13-0858	EA		11' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,730.72	927.36
08 33 23 13-0859	EA		11' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,417.38	945.88
08 33 23 13-0860	EA		11' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,104.04	964.41
08 33 23 13-0861	EA		11' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,152.17	982.93
08 33 23 13-0862	EA		11' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,200.30	1,001.47
08 33 23 13-0863	EA		11' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,247.12	1,019.99
08 33 23 13-0864	EA		11' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	38,313.58	1,038.52
<b>08 33 23 13-0865</b>			<b>12' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>		
08 33 23 13-0866	EA		12' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,417.38	945.88
08 33 23 13-0867	EA		12' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,104.04	964.41
08 33 23 13-0868	EA		12' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,790.70	982.93
08 33 23 13-0869	EA		12' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,838.83	1,001.47
08 33 23 13-0870	EA		12' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,886.95	1,019.99
08 33 23 13-0871	EA		12' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,933.77	1,038.52
08 33 23 13-0872	EA		12' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	39,008.11	1,057.04
<b>08 33 23 13-0873</b>			<b>13' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>		
08 33 23 13-0874	EA		13' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,104.04	964.41
08 33 23 13-0875	EA		13' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,790.70	982.93
08 33 23 13-0876	EA		13' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,477.35	1,001.47
08 33 23 13-0877	EA		13' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,525.48	1,019.99
08 33 23 13-0878	EA		13' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,573.61	1,038.52
08 33 23 13-0879	EA		13' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	38,621.75	1,057.04
08 33 23 13-0880	EA		13' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	39,701.32	1,075.57
<b>08 33 23 13-0881</b>			<b>14' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>		
08 33 23 13-0882	EA		14' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,790.70	982.93
08 33 23 13-0883	EA		14' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,477.35	1,001.47
08 33 23 13-0884	EA		14' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,164.00	1,019.99
08 33 23 13-0885	EA		14' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,212.13	1,038.52
08 33 23 13-0886	EA		14' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	38,260.28	1,057.04
08 33 23 13-0887	EA		14' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	39,308.41	1,075.57
08 33 23 13-0888	EA		14' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	40,387.97	1,094.09
<b>08 33 23 13-0889</b>			<b>Rytec® Spiral® Door Options (08 33 23 13-0560)</b>		
08 33 23 13-0890	EA		Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	394.12	
			Note: Per door price.		
08 33 23 13-0891	EA		Up To 13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	266.79	
			Note: Maximum of 4 per door.		
08 33 23 13-0892	EA		>13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	394.12	
			Note: Maximum of 4 per door.		
08 33 23 13-0893	EA		Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	266.79	
			Note: Maximum of 4 per door.		
08 33 23 13-0894	EA		>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	394.12	
			Note: Maximum of 4 per door.		
08 33 23 13-0895	EA		Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors.....	763.82	54.48
08 33 23 13-0896	EA		Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	2,182.49	108.97
08 33 23 13-0897	EA		>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	3,886.30	108.97
08 33 23 13-0898	EA		>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	4,413.82	108.97
08 33 23 13-0899	EA		Through Wall Brake Release For Rytec® Spiral® High-Speed Rolling Doors.....	458.39	
<b>08 33 23 13-0900</b>			<b>Activation And Control Box Options For High Speed Doors (08 33 23 13)</b>		
08 33 23 13-0901	EA		Pull Cord For High-Speed Rolling Doors.....	205.98	54.48
08 33 23 13-0902	EA		Emergency Stop, Pushbutton Control For High-Speed Rolling Doors.....	151.49	27.24
08 33 23 13-0903	EA		NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors.....	187.87	27.24
08 33 23 13-0904	EA		On/Off Selector Switch, Remote Control For High-Speed Rolling Doors.....	133.30	27.24
08 33 23 13-0905	EA		On/Off Key Switch, Remote Control For High-Speed Rolling Doors.....	200.00	27.24
08 33 23 13-0906	EA		Keyed Remote Single Pushbutton Control For High-Speed Rolling Doors.....	321.27	27.24
08 33 23 13-0907	EA		Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors.....	351.59	27.24
08 33 23 13-0908	EA		Radio Control For High-Speed Rolling Doors.....	557.58	49.04
			Note: Includes one receiver and two transmitters.		





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 33 23	13-0909	EA	Floor Loop For High-Speed Rolling Doors.....	775.53	
				Note: Excludes sealant.		
	08 33 23	13-0910	EA	Reflective Type Photo Eye For High-Speed Rolling Doors.....	484.46	49.04
	08 33 23	13-0911	EA	Thru-Beam Type Photo Eye For High-Speed Rolling Doors.....	624.28	49.04
	08 33 23	13-0912	EA	Motion Detector For High-Speed Rolling Doors.....	526.20	32.69
	08 33 23	13-0913	EA	Remote Warning Horn For High-Speed Rolling Doors .....	375.76	54.48
				Note: Includes wall box and mounting hardware.		
	08 33 23	13-0914	EA	Remote Strobe Light For High-Speed Rolling Doors .....	503.09	54.48
				Note: Includes wall box and mounting hardware.		
	08 33 23	13-0915	EA	Remote Warning Horn And Strobe Light For High-Speed Rolling Doors.....	569.79	54.48
				Note: Includes wall box and mounting hardware.		
	08 33 23	13-0916	EA	Red And Green Red Light For High-Speed Rolling Doors.....	703.18	54.48
				Note: Includes mounting hardware.		

**08 33 26 Overhead Coiling Grilles** (08 33)

Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0981 for forklift.

**08 33 26 00-0001 Galvanized Steel Overhead Coiling Grilles (Width x Height)** (08 33 26)

	08 33 26 00-0002	EA	4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	2,450.31	213.52
			For Lexan Lattice Pattern, Add	276.11	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	190.97	
			For Staggered Brick Pattern, Add	258.51	
	08 33 26 00-0003	EA	6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	2,778.75	213.52
			For Lexan Lattice Pattern, Add	325.38	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	286.47	
			For Staggered Brick Pattern, Add	350.10	
	08 33 26 00-0004	EA	8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	3,343.61	266.89
			For Lexan Lattice Pattern, Add	387.05	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	381.95	
			For Staggered Brick Pattern, Add	441.69	
	08 33 26 00-0005	EA	12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	3,817.28	266.89
			For Lexan Lattice Pattern, Add	458.10	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	436.11	
			For Staggered Brick Pattern, Add	624.87	
	08 33 26 00-0006	EA	16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	5,251.00	427.03
			For Lexan Lattice Pattern, Add	604.34	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	763.89	
			For Staggered Brick Pattern, Add	881.22	
	08 33 26 00-0007	EA	20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	6,526.00	533.79
			For Lexan Lattice Pattern, Add	750.59	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	954.86	
			For Staggered Brick Pattern, Add	1,137.55	
	08 33 26 00-0008	EA	24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	8,228.25	640.54
			For Lexan Lattice Pattern, Add	959.94	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,145.84	
			For Staggered Brick Pattern, Add	1,279.60	
	08 33 26 00-0009	EA	30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	10,031.78	782.89
			For Lexan Lattice Pattern, Add	1,170.31	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,327.14	
			For Staggered Brick Pattern, Add	1,395.57	
	08 33 26 00-0010	EA	4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	2,688.37	213.52
			For Lexan Lattice Pattern, Add	311.82	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	238.71	
			For Staggered Brick Pattern, Add	307.12	
	08 33 26 00-0011	EA	6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	3,123.66	213.52
			For Lexan Lattice Pattern, Add	377.12	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	358.06	
			For Staggered Brick Pattern, Add	436.12	
	08 33 26 00-0012	EA	8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	3,726.06	266.89
			For Lexan Lattice Pattern, Add	444.75	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	477.44	
			For Staggered Brick Pattern, Add	565.13	
	08 33 26 00-0013	EA	12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	4,319.27	266.89
			For Lexan Lattice Pattern, Add	533.73	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	716.15	
			For Staggered Brick Pattern, Add	823.14	
	08 33 26 00-0014	EA	16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	5,910.30	427.03
			For Lexan Lattice Pattern, Add	703.24	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	954.86	
			For Staggered Brick Pattern, Add	1,135.00	
	08 33 26 00-0015	EA	20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	7,340.33	533.79
			For Lexan Lattice Pattern, Add	872.74	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,193.58	
			For Staggered Brick Pattern, Add	1,446.84	
	08 33 26 00-0016	EA	24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	9,212.14	640.54
			For Lexan Lattice Pattern, Add	1,107.52	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,432.47	
			For Staggered Brick Pattern, Add	1,675.56	
	08 33 26 00-0017	EA	30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	11,551.01	782.89
			For Lexan Lattice Pattern, Add	1,398.20	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,677.21	
			For Staggered Brick Pattern, Add	1,877.00	

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0018	EA		4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	2,960.98	213.52
			<i>For Lexan Lattice Pattern, Add</i>	352.71	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	286.47	
			<i>For Staggered Brick Pattern, Add</i>	355.01	
08 33 26 00-0019	EA		6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,039.89	213.52
			<i>For Lexan Lattice Pattern, Add</i>	364.55	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	429.68	
			<i>For Staggered Brick Pattern, Add</i>	520.70	
08 33 26 00-0020	EA		8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,701.97	266.89
			<i>For Lexan Lattice Pattern, Add</i>	440.80	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	572.90	
			<i>For Staggered Brick Pattern, Add</i>	686.38	
08 33 26 00-0021	EA		12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	4,888.19	266.89
			<i>For Lexan Lattice Pattern, Add</i>	618.73	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	859.34	
			<i>For Staggered Brick Pattern, Add</i>	1,017.75	
08 33 26 00-0022	EA		16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	6,842.30	427.03
			<i>For Lexan Lattice Pattern, Add</i>	843.04	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,145.82	
			<i>For Staggered Brick Pattern, Add</i>	1,414.97	
08 33 26 00-0023	EA		20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	8,637.69	533.79
			<i>For Lexan Lattice Pattern, Add</i>	1,067.34	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,432.29	
			<i>For Staggered Brick Pattern, Add</i>	1,812.18	
08 33 26 00-0024	EA		24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	10,472.94	640.54
			<i>For Lexan Lattice Pattern, Add</i>	1,296.64	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,718.75	
			<i>For Staggered Brick Pattern, Add</i>	1,916.14	
08 33 26 00-0025	EA		30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	13,052.02	782.89
			<i>For Lexan Lattice Pattern, Add</i>	1,623.35	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,991.78	
			<i>For Staggered Brick Pattern, Add</i>	2,087.65	
08 33 26 00-0026	EA		4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,448.57	213.52
			<i>For Lexan Lattice Pattern, Add</i>	425.85	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	334.07	
			<i>For Staggered Brick Pattern, Add</i>	656.64	
08 33 26 00-0027	EA		6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,980.93	213.52
			<i>For Lexan Lattice Pattern, Add</i>	505.71	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	501.22	
			<i>For Staggered Brick Pattern, Add</i>	806.27	
08 33 26 00-0028	EA		8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	4,670.62	266.89
			<i>For Lexan Lattice Pattern, Add</i>	586.44	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	668.34	
			<i>For Staggered Brick Pattern, Add</i>	938.84	
08 33 26 00-0029	EA		12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	5,788.93	266.89
			<i>For Lexan Lattice Pattern, Add</i>	754.18	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,002.60	
			<i>For Staggered Brick Pattern, Add</i>	1,190.51	
08 33 26 00-0030	EA		16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	7,772.19	427.03
			<i>For Lexan Lattice Pattern, Add</i>	982.52	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,336.81	
			<i>For Staggered Brick Pattern, Add</i>	1,592.69	
08 33 26 00-0031	EA		20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	9,594.47	533.79
			<i>For Lexan Lattice Pattern, Add</i>	1,210.86	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,671.00	
			<i>For Staggered Brick Pattern, Add</i>	1,994.87	
08 33 26 00-0032	EA		24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	11,466.32	640.54
			<i>For Lexan Lattice Pattern, Add</i>	1,445.65	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	2,005.21	
			<i>For Staggered Brick Pattern, Add</i>	2,262.40	
08 33 26 00-0033	EA		30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	14,670.35	782.89
			<i>For Lexan Lattice Pattern, Add</i>	1,866.10	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	2,367.17	
			<i>For Staggered Brick Pattern, Add</i>	2,584.90	
08 33 26 00-0034			<b>Coiling Grilles Accessories</b> <small>(08 33 26)</small>		
08 33 26 00-0035	LF		For Overhead Framed Rolling Grille Supports.....	122.46	
<b>08 33 36</b>			<b>Side Coiling Grilles</b> <small>(08 33)</small>		
08 33 36 00-0001			<b>Galvanized Steel Side Coiling Grilles (Width x Height)</b> <small>(08 33 36)</small>		
08 33 36 00-0002	EA		12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated.....	4,157.23	597.03
			<i>For Lexan Lattice Pattern, Add</i>	367.69	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	572.92	
			<i>For Staggered Brick Pattern, Add</i>	624.87	
08 33 36 00-0003	EA		18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated.....	5,790.39	766.92
			<i>For Lexan Lattice Pattern, Add</i>	539.87	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	878.80	
			<i>For Staggered Brick Pattern, Add</i>	1,000.84	
08 33 36 00-0004	EA		24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated.....	7,490.11	967.02
			<i>For Lexan Lattice Pattern, Add</i>	709.08	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,145.84	
			<i>For Staggered Brick Pattern, Add</i>	1,279.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0005 EA 30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,960.48 886.36 1,327.14 1,395.57	1,067.58
08 33 36 00-0006 EA 12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,006.74 459.29 716.15 823.14	680.71
08 33 36 00-0007 EA 18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,000.97 675.24 1,054.70 1,249.92	874.29
08 33 36 00-0008 EA 24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,951.35 870.24 1,432.47 1,675.56	1,102.04
08 33 36 00-0009 EA 30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	10,875.69 1,107.62 1,677.21 1,877.00	1,217.04
08 33 36 00-0010 EA 12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,866.67 551.31 859.34 1,017.75	766.92
08 33 36 00-0011 EA 18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,217.62 809.00 1,268.84 1,551.81	985.02
08 33 36 00-0012 EA 24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	10,621.19 1,063.63 1,718.75 1,916.14	1,241.95
08 33 36 00-0013 EA 30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	12,780.11 1,329.53 1,991.78 2,087.65	1,370.06
08 33 36 00-0014 EA 12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,718.29 644.62 1,002.60 1,190.51	847.96
08 33 36 00-0015 EA 18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,433.90 944.37 1,450.13 1,724.17	1,088.93
08 33 36 00-0016 EA 24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	12,183.19 1,240.90 2,005.21 2,262.40	1,372.90
08 33 36 00-0017 EA 30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	14,665.68 1,550.32 2,367.17 2,584.90	1,515.95

**08 33 43 Overhead Coiling Smoke Curtains (08 33)**

**08 33 43 00-0001 Elevator Smoke Guard (08 33 43)**

08 33 43 00-0002 EA Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400).....	14,018.44	597.03
08 33 43 00-0003 EA Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400).....	14,539.67	597.03
08 33 43 00-0004 EA Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400).....	15,060.89	597.03

**08 34 Special Function Doors (08 30)**

**08 34 23 Sidewalk and Basement Doors (08 34)**

**08 34 23 00-0001 Drainage Doors (08 34 23)**

**08 34 23 00-0002 Single Leaf Aluminum Drainage Doors (08 34 23 00-0001)**

Note: Bilco - J Series.

08 34 23 00-0003 EA 2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,150.78	194.08
08 34 23 00-0004 EA 2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,409.54	202.80
08 34 23 00-0005 EA 3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,495.53	207.16
08 34 23 00-0006 EA 3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,646.58	211.51
08 34 23 00-0007 EA 3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,915.80	222.41
08 34 23 00-0008 EA 2' 6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,951.54	217.29
08 34 23 00-0009 EA 3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,168.69	222.41
08 34 23 00-0010 EA 2' 6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,263.04	227.54
08 34 23 00-0011 EA 3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,480.22	232.66
08 34 23 00-0012 EA 3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,875.55	245.73

**08 34 23 00-0013 Double Leaf Aluminum Drainage Doors (08 34 23 00-0001)**

Note: Bilco - JD Series.

08 34 23 00-0014 EA 4' x 2' 6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,312.81	217.29
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<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors and Frames</b>
<b>08 34</b>	<b>Special Function Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0015	EA		4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,429.64	232.66
08 34 23 00-0016	EA		4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	3,075.80	258.82
08 34 23 00-0017	EA		5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	3,162.50	258.82
<b>08 34 23 00-0018</b>			<b>Single Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001)</b>		
			Note: Bilco - J H2O Series.		
08 34 23 00-0019	EA		2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	1,822.73	194.08
08 34 23 00-0020	EA		2' 6" x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,124.85	202.80
08 34 23 00-0021	EA		3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,312.03	207.16
08 34 23 00-0022	EA		3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,614.81	211.51
08 34 23 00-0023	EA		3' 6" x 3' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	3,021.32	222.41
<b>08 34 23 00-0024</b>			<b>Double Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001)</b>		
			Note: Bilco - JD H2O Series.		
08 34 23 00-0025	EA		4' x 2' 6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	3,020.90	217.29
08 34 23 00-0026	EA		4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	4,033.67	232.66
08 34 23 00-0027	EA		4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	5,727.50	258.82
08 34 23 00-0028	EA		5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	5,395.14	258.82
<b>08 34 23 00-0029</b>			<b>Single Leaf Steel Drainage Doors (08 34 23 00-0001)</b>		
			Note: Bilco - J Series.		
08 34 23 00-0030	EA		2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door.....	1,649.59	194.08
08 34 23 00-0031	EA		2' 6" x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	1,733.13	202.80
08 34 23 00-0032	EA		3' x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	1,930.86	207.16
08 34 23 00-0033	EA		3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,138.69	211.51
08 34 23 00-0034	EA		3' 6" x 3' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,487.12	222.41
08 34 23 00-0035	EA		2' 6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,368.81	217.29
08 34 23 00-0036	EA		3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,698.47	222.41
08 34 23 00-0037	EA		2' 6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,685.99	227.54
08 34 23 00-0038	EA		3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,995.55	232.66
08 34 23 00-0039	EA		3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	3,196.31	245.73
<b>08 34 23 00-0040</b>			<b>Double Leaf Steel Drainage Doors (08 34 23 00-0001)</b>		
			Note: Bilco - JD Series.		
08 34 23 00-0041	EA		4' x 2' 6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,912.26	217.29
08 34 23 00-0042	EA		4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	3,055.93	232.66
08 34 23 00-0043	EA		4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	3,809.70	258.82
08 34 23 00-0044	EA		5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	3,920.40	258.82
<b>08 34 23 00-0045</b>			<b>Single Leaf Steel H2O Drainage Doors (08 34 23 00-0001)</b>		
			Note: Bilco - J H2O Series.		
08 34 23 00-0046	EA		2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	2,817.00	194.08
08 34 23 00-0047	EA		2' 6" x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	2,981.06	202.80
08 34 23 00-0048	EA		3' x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	3,088.25	207.16
08 34 23 00-0049	EA		3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	3,638.24	211.51
08 34 23 00-0050	EA		3' 6" x 3' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	4,288.60	222.41
<b>08 34 23 00-0051</b>			<b>Double Leaf Steel H2O Drainage Doors (08 34 23 00-0001)</b>		
			Note: Bilco - JD H2O Series.		
08 34 23 00-0052	EA		4' x 2' 6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	4,723.76	217.29
08 34 23 00-0053	EA		4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	5,280.05	232.66
08 34 23 00-0054	EA		4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	7,845.32	258.82
08 34 23 00-0055	EA		5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	7,644.04	258.82
<b>08 34 23 00-0056</b>			<b>Single Leaf Aluminum Drainage Door (08 34 23 00-0001)</b>		
			Note: Bilco - J-R (Odor Resistant).		
08 34 23 00-0057	EA		2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	1,970.14	194.08
08 34 23 00-0058	EA		2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	2,352.50	202.80
08 34 23 00-0059	EA		3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	2,499.17	207.16
08 34 23 00-0060	EA		3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	2,648.57	211.51
08 34 23 00-0061	EA		3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	3,004.51	222.41
<b>08 34 23 00-0062</b>			<b>Non-Drainage Doors (08 34 23)</b>		
<b>08 34 23 00-0063</b>			<b>Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>		
			Note: Bilco - Q Series.		
08 34 23 00-0064	EA		2' x 2' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,107.52	194.08
08 34 23 00-0065	EA		2' 6" x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,337.29	202.80
08 34 23 00-0066	EA		3' x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,430.57	207.16
08 34 23 00-0067	EA		3' x 3' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,487.66	211.51
08 34 23 00-0068	EA		3' 6" x 3' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,865.22	222.41
08 34 23 00-0069	EA		2' 6" x 4' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,684.25	217.29
08 34 23 00-0070	EA		3' x 4' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,879.67	222.41
08 34 23 00-0071	EA		2' 6" x 5' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	2,103.96	227.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0072 EA 3' x 5' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,227.41	232.66
08 34 23 00-0073 EA 3' x 6' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,529.03	245.73
<b>08 34 23 00-0074 Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>		
Note: Bilco - K Series.		
08 34 23 00-0075 EA 2' x 2' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	912.44	194.08
08 34 23 00-0076 EA 2' 6" x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,091.62	202.80
08 34 23 00-0077 EA 3' x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,206.58	207.16
08 34 23 00-0078 EA 3' x 3' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,285.35	211.51
08 34 23 00-0079 EA 3' 6" x 3' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,489.51	222.41
<b>08 34 23 00-0080 Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>		
Note: Bilco - QD Series.		
08 34 23 00-0081 EA 4' x 2'-6" Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,132.22	217.29
<b>08 34 23 00-0082 Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>		
Note: Bilco - KD Series.		
08 34 23 00-0083 EA 4' x 4' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,046.78	232.66
08 34 23 00-0084 EA 4' x 6' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,866.38	258.82
08 34 23 00-0085 EA 5' x 5' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,924.18	258.82
<b>08 34 23 00-0086 Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>		
Note: Bilco - T Series.		
08 34 23 00-0087 EA 2' x 2' Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	999.14	194.08
08 34 23 00-0088 EA 2'-6" x 2'-6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	1,163.88	202.80
08 34 23 00-0089 EA 3' x 2' 6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	1,242.71	207.16
08 34 23 00-0090 EA 3' x 3' Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	1,357.60	211.51
08 34 23 00-0091 EA 3'-6" x 3'-6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	1,583.44	222.41
<b>08 34 23 00-0092 Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>		
Note: Bilco - TD Series.		
08 34 23 00-0093 EA 4' x 4' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	2,169.61	232.66
08 34 23 00-0094 EA 4' x 6' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	3,018.11	258.82
08 34 23 00-0095 EA 5' x 5' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	3,061.46	258.82
<b>08 34 23 00-0096 Single Leaf Steel Non-Drainage Doors (08 34 23 00-0062)</b>		
Note: Bilco - Q Series.		
08 34 23 00-0097 EA 2' x 2' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door .....	1,126.36	194.08
08 34 23 00-0098 EA 2'-6" x 2'-6" Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door .....	1,260.13	202.80
08 34 23 00-0099 EA 3' x 2'-6" Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door .....	1,417.67	207.16
08 34 23 00-0100 EA 3' x 3' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door .....	1,504.69	211.51
08 34 23 00-0101 EA 2'-6" x 4' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door .....	1,716.03	211.51
<b>08 34 23 00-0102 Double Leaf Steel Non-Drainage Doors (08 34 23 00-0062)</b>		
Note: Bilco - QD Series.		
08 34 23 00-0103 EA 4' x 2' 6" Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,278.24	217.29
<b>08 34 23 00-0104 Basement Doors (08 34 23)</b>		
Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0105 EA 45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal (Bilco Classic Series) .....	1,542.24	245.19
08 34 23 00-0106 EA 30" High x 47" Wide x 58" Long, Basement Door (Bilco Classic Series) .....	1,287.41	185.80
08 34 23 00-0107 EA 22" High x 51" Wide x 64" Long, Basement Door (Bilco Classic Series) .....	1,338.57	204.32
08 34 23 00-0108 EA 19-1/2" High x 55" Wide x 72" Long, Basement Door (Bilco Classic Series) .....	1,430.26	217.95
08 34 23 00-0109 EA 52" High x 51" Wide x 43-1/4" Long, Basement Door (Bilco Classic Series) .....	1,583.35	245.19
<b>08 34 49 Radiation Shielding Doors and Frames (08 34)</b>		
<b>08 34 49 13 Neutron Shielding Doors and Frames (08 34 49)</b>		
<b>08 34 49 13-0001 Lead Lined Doors And Frames (08 34 49 13)</b>		
08 34 49 13-0002 SF 1/16" Thick Laminated Lead In Wood Door .....	120.27	10.90
08 34 49 13-0003 SF 1/8" Thick Laminated Lead In Wood Door .....	148.18	10.90
08 34 49 13-0004 LF 1/16" Thick Lead Lined Door Frame .....	131.24	10.90
08 34 49 13-0005 LF 1/8" Thick Lead Lined Door Frame .....	140.54	10.90
<b>08 34 53 Security Doors and Frames (08 34)</b>		
<b>08 34 53 00-0001 Metal Security Doors (08 34 53)</b>		
Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
08 34 53 00-0002 EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O) .....	957.60	76.25
Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.		

**08 Openings****08 30 Specialty Doors and Frames****08 34 Special Function Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 34 53 00-0003	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O).....	957.60	76.25
Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.				
08 34 53 00-0004	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O).....	1,360.16	76.25
Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.				

**08 34 56 Security Gates (08 34)****08 34 56 00-0001****Pivoting Double Folding Gate (08 34 56)**

Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.

08 34 56 00-0002	EA	6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,079.32	207.55
08 34 56 00-0003	EA	8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,211.71	233.49
08 34 56 00-0004	EA	8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,303.85	259.44
08 34 56 00-0005	EA	8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,436.23	285.38
08 34 56 00-0006	EA	10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,225.25	210.14
08 34 56 00-0007	EA	10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,317.61	236.09
08 34 56 00-0008	EA	10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,444.75	262.03
08 34 56 00-0009	EA	10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,542.65	287.97
08 34 56 00-0010	EA	12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,290.80	212.74
08 34 56 00-0011	EA	12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,382.88	238.68
08 34 56 00-0012	EA	12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,459.21	251.65
08 34 56 00-0013	EA	12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,535.84	264.63
08 34 56 00-0014	EA	12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,638.08	290.56
08 34 56 00-0015	EA	14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,416.85	215.33
08 34 56 00-0016	EA	14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,508.63	241.27
08 34 56 00-0017	EA	14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,594.97	254.24
08 34 56 00-0018	EA	14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,702.33	267.22
08 34 56 00-0019	EA	14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,854.34	293.16
08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,608.53	220.52
08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,725.52	249.06
08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,857.22	264.63
08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,934.28	272.41

**08 34 56 00-0024****Pivoting Single Folding Gate (08 34 56)**

Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.

08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	733.39	145.28
08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	784.02	150.47
08 34 56 00-0027	EA	5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	834.65	155.66
08 34 56 00-0028	EA	5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	895.69	166.04
08 34 56 00-0029	EA	5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	936.56	176.41
08 34 56 00-0030	EA	6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	783.87	150.47
08 34 56 00-0031	EA	6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	834.72	155.66
08 34 56 00-0032	EA	6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	885.36	160.85
08 34 56 00-0033	EA	6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	946.32	171.23
08 34 56 00-0034	EA	6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	987.44	181.60
08 34 56 00-0035	EA	7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	854.62	155.66
08 34 56 00-0036	EA	7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	905.49	160.85
08 34 56 00-0037	EA	7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	956.04	166.04
08 34 56 00-0038	EA	7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,017.19	176.41
08 34 56 00-0039	EA	7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,078.43	186.79

**08 34 56 00-0040****Window Gates, Expands From 2' To 4' (08 34 56)**

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0041	EA	33" High Window Gate, Up To 4' Wide Opening.....	297.89	57.08
08 34 56 00-0042	EA	37" High Window Gate, Up To 4' Wide Opening.....	308.28	62.27
08 34 56 00-0043	EA	40" High Window Gate, Up To 4' Wide Opening.....	308.28	62.27
08 34 56 00-0044	EA	43" High Window Gate, Up To 4' Wide Opening.....	319.44	67.45
08 34 56 00-0045	EA	46" High Window Gate, Up To 4' Wide Opening.....	319.44	67.45
08 34 56 00-0046	EA	49" High Window Gate, Up To 4' Wide Opening.....	329.81	72.64
08 34 56 00-0047	EA	51" High Window Gate, Up To 4' Wide Opening.....	329.82	72.64
08 34 56 00-0048	EA	53" High Window Gate, Up To 4' Wide Opening.....	340.18	77.83
08 34 56 00-0049	EA	55" High Window Gate, Up To 4' Wide Opening.....	340.18	77.83
08 34 56 00-0050	EA	57" High Window Gate, Up To 4' Wide Opening.....	350.57	83.02
08 34 56 00-0051	EA	59" High Window Gate, Up To 4' Wide Opening.....	350.57	83.02

**08 34 56 00-0052****Pivoting Door Gate, Expands From 2' To 4' (08 34 56)**

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0053	EA	61" High Pivoting Door Gate, Up To 4' Wide Opening.....	360.95	88.21
08 34 56 00-0054	EA	63" High Pivoting Door Gate, Up To 4' Wide Opening.....	363.41	88.21
08 34 56 00-0055	EA	66" High Pivoting Door Gate, Up To 4' Wide Opening.....	377.04	93.40
08 34 56 00-0056	EA	71" High Pivoting Door Gate, Up To 4' Wide Opening.....	390.68	98.59
08 34 56 00-0057	EA	73" High Pivoting Door Gate, Up To 4' Wide Opening.....	393.94	98.59
08 34 56 00-0058	EA	76" High Pivoting Door Gate, Up To 4' Wide Opening.....	407.58	103.77
08 34 56 00-0059	EA	79" High Pivoting Door Gate, Up To 4' Wide Opening.....	410.84	103.77
08 34 56 00-0060	EA	81" High Pivoting Door Gate, Up To 4' Wide Opening.....	423.47	108.96
08 34 56 00-0061	EA	83" High Pivoting Door Gate, Up To 4' Wide Opening.....	427.73	108.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 34 73 Sound Control Door Assemblies** (08 34)

**08 34 73 13 Metal Sound Control Door Assemblies** (08 34 73)

08 34 73 13-0001 Steel Acoustical Door Assembly (08 34 73 13)  
Note: Includes seal.

08 34 73 13-0002 Steel Acoustical Doors (08 34 73 13-0001)  
Note: Includes hinges. Excludes hardware: lockset, closer, electromagnetic release, etc.

08 34 73 13-0003	EA 3' x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated).....	3,539.52	196.15
	For 3" x 33" Vision Lite, Add	1,320.95	
	For 20" x 64" Vision Lite, Add	1,413.57	
	For 8' Height, Add	448.48	
	For 14 Gauge, Add	424.87	
	For 45 Minutes Fire Rated, Add	188.83	
	For 60 Minutes Fire Rated, Add	283.25	
	For 90 Minutes Fire Rated, Add	472.08	
	For 120 Minutes Fire Rated, Add	660.91	
	For 45 STC Rating, Deduct	-1,070.05	
	For 48 STC Rating, Deduct	-566.50	
	For 52 STC Rating, Add	440.61	
	For 55 STC Rating, Add	1,195.94	
08 34 73 13-0004	EA 3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated).....	3,745.96	204.32
	For 3" x 33" Vision Lite, Add	1,320.95	
	For 20" x 64" Vision Lite, Add	1,413.57	
	For 8' Height, Add	475.57	
	For 14 Gauge, Add	450.54	
	For 45 Minutes Fire Rated, Add	200.24	
	For 60 Minutes Fire Rated, Add	300.36	
	For 90 Minutes Fire Rated, Add	500.60	
	For 120 Minutes Fire Rated, Add	700.84	
	For 45 STC Rating, Deduct	-1,134.69	
	For 48 STC Rating, Deduct	-600.72	
	For 52 STC Rating, Add	467.22	
	For 55 STC Rating, Add	1,268.18	
08 34 73 13-0005	EA 4' x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated).....	3,968.75	220.67
	For 3" x 33" Vision Lite, Add	1,320.95	
	For 20" x 64" Vision Lite, Add	1,413.57	
	For 8' Height, Add	502.66	
	For 14 Gauge, Add	476.20	
	For 45 Minutes Fire Rated, Add	211.64	
	For 60 Minutes Fire Rated, Add	317.47	
	For 90 Minutes Fire Rated, Add	529.11	
	For 120 Minutes Fire Rated, Add	740.76	
	For 45 STC Rating, Deduct	-1,199.32	
	For 48 STC Rating, Deduct	-634.93	
	For 52 STC Rating, Add	493.84	
	For 55 STC Rating, Add	1,340.42	
08 34 73 13-0006	PR Pair 3' x 7', 16 Gauge, STC 50, Steel Acoustical Doors (Unrated) .....	7,039.81	372.69
	For 3" x 33" Windows, Add	2,641.91	
	For 20" x 64" Windows, Add	2,827.13	
	For 8' Height, Add	896.96	
	For 14 Gauge, Add	849.75	
	For 45 Minutes Fire Rated, Add	377.67	
	For 60 Minutes Fire Rated, Add	566.50	
	For 90 Minutes Fire Rated, Add	944.16	
	For 120 Minutes Fire Rated, Add	1,321.83	
	For 45 STC Rating, Deduct	-2,140.11	
	For 48 STC Rating, Deduct	-1,133.00	
	For 52 STC Rating, Add	881.22	
	For 55 STC Rating, Add	2,391.88	
08 34 73 13-0007	PR Pair 3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated).....	7,426.54	375.95
	For 3" x 33" Vision Lite, Add	1,320.95	
	For 20" x 64" Vision Lite, Add	1,413.57	
	For 8' Height, Add	951.13	
	For 14 Gauge, Add	901.08	
	For 45 Minutes Fire Rated, Add	400.48	
	For 60 Minutes Fire Rated, Add	600.72	
	For 90 Minutes Fire Rated, Add	1,001.19	
	For 120 Minutes Fire Rated, Add	1,401.67	
	For 45 STC Rating, Deduct	-2,269.37	
	For 48 STC Rating, Deduct	-1,201.43	
	For 52 STC Rating, Add	934.45	
	For 55 STC Rating, Add	2,536.36	

**08 34 73 13-0008 Steel Acoustical Door Frames** (08 34 73 13-0001)

08 34 73 13-0009	EA 3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,437.74	108.97
	For 8' Height, Add	255.28	
	For 45 Minutes Fire Rated, Add	155.39	
	For 60 Minutes Fire Rated, Add	266.37	
	For 90 Minutes Fire Rated, Add	377.36	
	For 120 Minutes Fire Rated, Add	532.75	

**08 Openings****08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0010	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,500.61	108.97	
		<i>For 8' Height, Add</i>	262.51		
		<i>For 45 Minutes Fire Rated, Add</i>	159.79		
		<i>For 60 Minutes Fire Rated, Add</i>	273.92		
		<i>For 90 Minutes Fire Rated, Add</i>	388.05		
		<i>For 120 Minutes Fire Rated, Add</i>	547.84		
08 34 73 13-0011	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,563.49	108.97	
		<i>For 8' Height, Add</i>	269.74		
		<i>For 45 Minutes Fire Rated, Add</i>	164.19		
		<i>For 60 Minutes Fire Rated, Add</i>	281.46		
		<i>For 90 Minutes Fire Rated, Add</i>	398.74		
		<i>For 120 Minutes Fire Rated, Add</i>	562.93		
08 34 73 13-0012	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,626.37	108.97	
		<i>For 8' Height, Add</i>	276.97		
		<i>For 45 Minutes Fire Rated, Add</i>	168.59		
		<i>For 60 Minutes Fire Rated, Add</i>	289.01		
		<i>For 90 Minutes Fire Rated, Add</i>	409.43		
		<i>For 120 Minutes Fire Rated, Add</i>	578.02		
08 34 73 13-0013	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,787.08	119.87	
		<i>For 8' Height, Add</i>	292.94		
		<i>For 45 Minutes Fire Rated, Add</i>	178.31		
		<i>For 60 Minutes Fire Rated, Add</i>	305.68		
		<i>For 90 Minutes Fire Rated, Add</i>	433.05		
		<i>For 120 Minutes Fire Rated, Add</i>	611.36		
08 34 73 13-0014	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,857.27	119.87	
		<i>For 8' Height, Add</i>	301.02		
		<i>For 45 Minutes Fire Rated, Add</i>	183.23		
		<i>For 60 Minutes Fire Rated, Add</i>	314.10		
		<i>For 90 Minutes Fire Rated, Add</i>	444.98		
		<i>For 120 Minutes Fire Rated, Add</i>	628.21		
08 34 73 13-0015	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,920.15	119.87	
		<i>For 8' Height, Add</i>	308.25		
		<i>For 45 Minutes Fire Rated, Add</i>	187.63		
		<i>For 60 Minutes Fire Rated, Add</i>	321.65		
		<i>For 90 Minutes Fire Rated, Add</i>	455.67		
		<i>For 120 Minutes Fire Rated, Add</i>	643.30		
08 34 73 13-0016	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,998.14	119.87	
		<i>For 8' Height, Add</i>	317.22		
		<i>For 45 Minutes Fire Rated, Add</i>	193.09		
		<i>For 60 Minutes Fire Rated, Add</i>	331.01		
		<i>For 90 Minutes Fire Rated, Add</i>	468.93		
		<i>For 120 Minutes Fire Rated, Add</i>	662.02		
08 34 73 13-0017	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,141.63	125.32	
		<i>For 8' Height, Add</i>	332.46		
		<i>For 45 Minutes Fire Rated, Add</i>	202.37		
		<i>For 60 Minutes Fire Rated, Add</i>	346.92		
		<i>For 90 Minutes Fire Rated, Add</i>	491.47		
		<i>For 120 Minutes Fire Rated, Add</i>	693.84		
08 34 73 13-0018	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,204.50	125.32	
		<i>For 8' Height, Add</i>	339.69		
		<i>For 45 Minutes Fire Rated, Add</i>	206.77		
		<i>For 60 Minutes Fire Rated, Add</i>	354.46		
		<i>For 90 Minutes Fire Rated, Add</i>	502.16		
		<i>For 120 Minutes Fire Rated, Add</i>	708.93		
08 34 73 13-0019	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,267.38	125.32	
		<i>For 8' Height, Add</i>	346.93		
		<i>For 45 Minutes Fire Rated, Add</i>	211.17		
		<i>For 60 Minutes Fire Rated, Add</i>	362.01		
		<i>For 90 Minutes Fire Rated, Add</i>	512.85		
		<i>For 120 Minutes Fire Rated, Add</i>	724.02		
08 34 73 13-0020	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,337.57	125.32	
		<i>For 8' Height, Add</i>	355.00		
		<i>For 45 Minutes Fire Rated, Add</i>	216.09		
		<i>For 60 Minutes Fire Rated, Add</i>	370.43		
		<i>For 90 Minutes Fire Rated, Add</i>	524.78		
		<i>For 120 Minutes Fire Rated, Add</i>	740.86		
08 34 73 13-0021	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	5,544.72	141.67	
		<i>For 8' Height, Add</i>	605.06		
		<i>For 45 Minutes Fire Rated, Add</i>	368.30		
		<i>For 60 Minutes Fire Rated, Add</i>	631.37		
		<i>For 90 Minutes Fire Rated, Add</i>	894.44		
		<i>For 120 Minutes Fire Rated, Add</i>	1,262.73		
08 34 73 13-0022	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	5,604.67	141.67	
		<i>For 8' Height, Add</i>	611.95		
		<i>For 45 Minutes Fire Rated, Add</i>	372.49		
		<i>For 60 Minutes Fire Rated, Add</i>	638.56		
		<i>For 90 Minutes Fire Rated, Add</i>	904.63		
		<i>For 120 Minutes Fire Rated, Add</i>	1,277.12		
08 34 73 13-0023	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	5,669.01	141.67	
		<i>For 8' Height, Add</i>	619.35		
		<i>For 45 Minutes Fire Rated, Add</i>	377.00		
		<i>For 60 Minutes Fire Rated, Add</i>	646.28		
		<i>For 90 Minutes Fire Rated, Add</i>	915.57		
		<i>For 120 Minutes Fire Rated, Add</i>	1,292.56		





	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0024	EA 6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	5,734.82	141.67
	For 8' Height, Add	626.92	
	For 45 Minutes Fire Rated, Add	381.60	
	For 60 Minutes Fire Rated, Add	654.18	
	For 90 Minutes Fire Rated, Add	926.75	
	For 120 Minutes Fire Rated, Add	1,308.36	
08 34 73 13-0025	EA 7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	5,950.22	147.12
	For 8' Height, Add	650.44	
	For 45 Minutes Fire Rated, Add	395.92	
	For 60 Minutes Fire Rated, Add	678.72	
	For 90 Minutes Fire Rated, Add	961.52	
	For 120 Minutes Fire Rated, Add	1,357.44	
08 34 73 13-0026	EA 7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	6,014.67	147.12
	For 8' Height, Add	657.85	
	For 45 Minutes Fire Rated, Add	400.43	
	For 60 Minutes Fire Rated, Add	686.45	
	For 90 Minutes Fire Rated, Add	972.47	
	For 120 Minutes Fire Rated, Add	1,372.91	
08 34 73 13-0027	EA 7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	6,083.84	147.12
	For 8' Height, Add	665.81	
	For 45 Minutes Fire Rated, Add	405.27	
	For 60 Minutes Fire Rated, Add	694.75	
	For 90 Minutes Fire Rated, Add	984.23	
	For 120 Minutes Fire Rated, Add	1,389.51	
08 34 73 13-0028	EA 7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	6,154.58	147.12
	For 8' Height, Add	673.94	
	For 45 Minutes Fire Rated, Add	410.22	
	For 60 Minutes Fire Rated, Add	703.24	
	For 90 Minutes Fire Rated, Add	996.26	
	For 120 Minutes Fire Rated, Add	1,406.48	
08 34 73 13-0029	EA 3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	2,684.38	108.97
	For 8' Height, Add	283.64	
	For 45 Minutes Fire Rated, Add	172.65	
	For 60 Minutes Fire Rated, Add	295.97	
	For 90 Minutes Fire Rated, Add	419.29	
	For 120 Minutes Fire Rated, Add	591.94	
08 34 73 13-0030	EA 3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	2,754.24	108.97
	For 8' Height, Add	291.67	
	For 45 Minutes Fire Rated, Add	177.54	
	For 60 Minutes Fire Rated, Add	304.35	
	For 90 Minutes Fire Rated, Add	431.17	
	For 120 Minutes Fire Rated, Add	608.71	
08 34 73 13-0031	EA 3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	2,824.11	108.97
	For 8' Height, Add	299.71	
	For 45 Minutes Fire Rated, Add	182.43	
	For 60 Minutes Fire Rated, Add	312.74	
	For 90 Minutes Fire Rated, Add	443.05	
	For 120 Minutes Fire Rated, Add	625.48	
08 34 73 13-0032	EA 3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	2,893.98	108.97
	For 8' Height, Add	307.74	
	For 45 Minutes Fire Rated, Add	187.32	
	For 60 Minutes Fire Rated, Add	321.12	
	For 90 Minutes Fire Rated, Add	454.93	
	For 120 Minutes Fire Rated, Add	642.25	
08 34 73 13-0033	EA 3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	3,070.12	119.87
	For 8' Height, Add	325.49	
	For 45 Minutes Fire Rated, Add	198.13	
	For 60 Minutes Fire Rated, Add	339.65	
	For 90 Minutes Fire Rated, Add	481.16	
	For 120 Minutes Fire Rated, Add	679.29	
08 34 73 13-0034	EA 3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	3,148.11	119.87
	For 8' Height, Add	334.46	
	For 45 Minutes Fire Rated, Add	203.59	
	For 60 Minutes Fire Rated, Add	349.00	
	For 90 Minutes Fire Rated, Add	494.42	
	For 120 Minutes Fire Rated, Add	698.01	
08 34 73 13-0035	EA 3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	3,217.98	119.87
	For 8' Height, Add	342.50	
	For 45 Minutes Fire Rated, Add	208.48	
	For 60 Minutes Fire Rated, Add	357.39	
	For 90 Minutes Fire Rated, Add	506.30	
	For 120 Minutes Fire Rated, Add	714.78	
08 34 73 13-0036	EA 3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	3,304.63	119.87
	For 8' Height, Add	352.46	
	For 45 Minutes Fire Rated, Add	214.54	
	For 60 Minutes Fire Rated, Add	367.79	
	For 90 Minutes Fire Rated, Add	521.03	
	For 120 Minutes Fire Rated, Add	735.57	

**08 Openings****08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0037	EA		4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	3,462.85	125.32
			For 8' Height, Add	369.40	
			For 45 Minutes Fire Rated, Add	224.85	
			For 60 Minutes Fire Rated, Add	385.47	
			For 90 Minutes Fire Rated, Add	546.08	
			For 120 Minutes Fire Rated, Add	770.93	
08 34 73 13-0038	EA		4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	3,532.71	125.32
			For 8' Height, Add	377.44	
			For 45 Minutes Fire Rated, Add	229.74	
			For 60 Minutes Fire Rated, Add	393.85	
			For 90 Minutes Fire Rated, Add	557.95	
			For 120 Minutes Fire Rated, Add	787.70	
08 34 73 13-0039	EA		4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	3,602.58	125.32
			For 8' Height, Add	385.47	
			For 45 Minutes Fire Rated, Add	234.64	
			For 60 Minutes Fire Rated, Add	402.23	
			For 90 Minutes Fire Rated, Add	569.83	
			For 120 Minutes Fire Rated, Add	804.47	
08 34 73 13-0040	EA		4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	3,680.57	125.32
			For 8' Height, Add	394.44	
			For 45 Minutes Fire Rated, Add	240.10	
			For 60 Minutes Fire Rated, Add	411.59	
			For 90 Minutes Fire Rated, Add	583.09	
			For 120 Minutes Fire Rated, Add	823.18	
08 34 73 13-0041	EA		6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,129.32	141.67
			For 8' Height, Add	672.29	
			For 45 Minutes Fire Rated, Add	409.22	
			For 60 Minutes Fire Rated, Add	701.52	
			For 90 Minutes Fire Rated, Add	993.82	
			For 120 Minutes Fire Rated, Add	1,403.04	
08 34 73 13-0042	EA		6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,195.93	141.67
			For 8' Height, Add	679.95	
			For 45 Minutes Fire Rated, Add	413.88	
			For 60 Minutes Fire Rated, Add	709.51	
			For 90 Minutes Fire Rated, Add	1,005.14	
			For 120 Minutes Fire Rated, Add	1,419.02	
08 34 73 13-0043	EA		6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,267.42	141.67
			For 8' Height, Add	688.17	
			For 45 Minutes Fire Rated, Add	418.89	
			For 60 Minutes Fire Rated, Add	718.09	
			For 90 Minutes Fire Rated, Add	1,017.30	
			For 120 Minutes Fire Rated, Add	1,436.18	
08 34 73 13-0044	EA		6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,340.54	141.67
			For 8' Height, Add	696.58	
			For 45 Minutes Fire Rated, Add	424.00	
			For 60 Minutes Fire Rated, Add	726.87	
			For 90 Minutes Fire Rated, Add	1,029.73	
			For 120 Minutes Fire Rated, Add	1,453.73	
08 34 73 13-0045	EA		7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,578.67	147.12
			For 8' Height, Add	722.71	
			For 45 Minutes Fire Rated, Add	439.91	
			For 60 Minutes Fire Rated, Add	754.13	
			For 90 Minutes Fire Rated, Add	1,068.35	
			For 120 Minutes Fire Rated, Add	1,508.27	
08 34 73 13-0046	EA		7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,650.28	147.12
			For 8' Height, Add	730.95	
			For 45 Minutes Fire Rated, Add	444.92	
			For 60 Minutes Fire Rated, Add	762.73	
			For 90 Minutes Fire Rated, Add	1,080.53	
			For 120 Minutes Fire Rated, Add	1,525.45	
08 34 73 13-0047	EA		7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,727.13	147.12
			For 8' Height, Add	739.78	
			For 45 Minutes Fire Rated, Add	450.30	
			For 60 Minutes Fire Rated, Add	771.95	
			For 90 Minutes Fire Rated, Add	1,093.59	
			For 120 Minutes Fire Rated, Add	1,543.90	
08 34 73 13-0048	EA		7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,805.73	147.12
			For 8' Height, Add	748.82	
			For 45 Minutes Fire Rated, Add	455.81	
			For 60 Minutes Fire Rated, Add	781.38	
			For 90 Minutes Fire Rated, Add	1,106.96	
			For 120 Minutes Fire Rated, Add	1,562.76	

**08 34 73 16 Wood Sound Control Door Assemblies (08 34 73)****08 34 73 16-0001 Wood Acoustical Door Assembly (08 34 73 16)**

Note: Includes the prefinished door, frame, hinges and seals.

08 34 73 16-0002	EA		3' x 7' x 1-3/4" Thick, STC 40, Wood Acoustical Door System (Unrated).....	3,280.82	196.15
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 34 73 16-0003	EA	3' x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System (Unrated)	4,499.41	196.15
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**08 36 Panel Doors** (08 30)

**08 36 13 Sectional Doors** (08 36)

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0981 for forklift.

**08 36 13 00-0001 Sectional Wood Overhead Doors (Width x Height)** (08 36 13)

**08 36 13 00-0002 Wood Sectional Overhead Doors** (08 36 13 00-0001)

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0003	EA	8' x 8', Wood Sectional Door, Manual Lift	2,858.82	435.90
08 36 13 00-0004	EA	10' x 10', Wood Sectional Door, Manual Lift	3,556.47	483.84
08 36 13 00-0005	EA	12' x 12', Wood Sectional Door, Manual Lift	4,538.93	579.74
08 36 13 00-0006	EA	14' x 14', Wood Sectional Door, Manual Lift	6,546.22	671.28
08 36 13 00-0007	EA	12' x 16', Wood Sectional Door, Manual Lift	7,031.23	871.78
08 36 13 00-0008	EA	20' x 8', Wood Sectional Door, Manual Lift	6,690.46	1,089.73
08 36 13 00-0009	EA	20' x 16', Wood Sectional Door, Manual Lift	12,227.22	1,452.61

**08 36 13 00-0010 Residential Grade, Wood Sectional Overhead Doors** (08 36 13 00-0001)

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0011	EA	9' x 7', Residential Grade, Wood Sectional Door, Manual Lift	1,475.96	217.95
		<i>For Hardboard Face, Add</i>	115.00	
		<i>For Insulation, Add</i>	117.00	
		<i>For Motor Operator With Remote Controls, Add</i>	447.43	
		<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
08 36 13 00-0012	EA	16' x 7', Residential Grade, Wood Sectional Door, Manual Lift	2,330.20	217.95
		<i>For Hardboard Face, Add</i>	115.00	
		<i>For Insulation, Add</i>	117.00	
		<i>For Motor Operator With Remote Controls, Add</i>	479.83	
		<i>For Each Glass Vision Panel In Door, Add</i>	50.00	

**08 36 13 00-0013 Sectional Metal Overhead Doors (Width x Height)** (08 36 13)

Note: Includes tracks and all hardware.

**08 36 13 00-0014 Galvanized Steel Sectional Overhead Doors** (08 36 13 00-0013)

**08 36 13 00-0015 Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors** (08 36 13 00-0014)

Note: Includes 2" door, tracks and hardware. Excludes frame.

08 36 13 00-0016	EA	8' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,592.01	381.41
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	120.23	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	207.30	
		<i>For Aluminum, Mill Finish, Add</i>	94.53	
		<i>For Aluminum, Anodized Finish, Add</i>	264.51	
08 36 13 00-0017	EA	8' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,872.82	435.90
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	145.15	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	250.26	
		<i>For Aluminum, Mill Finish, Add</i>	114.12	
		<i>For Aluminum, Anodized Finish, Add</i>	319.33	
08 36 13 00-0018	EA	8' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,313.65	544.86
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	177.47	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	305.98	
		<i>For Aluminum, Mill Finish, Add</i>	139.53	
		<i>For Aluminum, Anodized Finish, Add</i>	390.43	
08 36 13 00-0019	EA	10' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,796.29	435.90
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	134.05	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	231.13	
		<i>For Aluminum, Mill Finish, Add</i>	105.39	
		<i>For Aluminum, Anodized Finish, Add</i>	294.92	
08 36 13 00-0020	EA	10' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,215.63	544.86
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	163.26	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	281.48	
		<i>For Aluminum, Mill Finish, Add</i>	128.35	
		<i>For Aluminum, Anodized Finish, Add</i>	359.16	
08 36 13 00-0021	EA	10' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,793.62	708.33
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	199.66	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	344.25	
		<i>For Aluminum, Mill Finish, Add</i>	156.98	
		<i>For Aluminum, Anodized Finish, Add</i>	439.26	
08 36 13 00-0022	EA	10' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,311.21	871.78
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	227.31	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	391.91	
		<i>For Aluminum, Mill Finish, Add</i>	178.71	
		<i>For Aluminum, Anodized Finish, Add</i>	500.08	
08 36 13 00-0023	EA	12' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,151.21	544.86
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	153.91	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	265.37	
		<i>For Aluminum, Mill Finish, Add</i>	121.01	
		<i>For Aluminum, Anodized Finish, Add</i>	338.61	

**08 Openings****08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0024	EA		12' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,696.96	708.33
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	185.65	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	320.08	
			<i>For Aluminum, Mill Finish, Add</i>	145.96	
			<i>For Aluminum, Anodized Finish, Add</i>	408.42	
08 36 13 00-0025	EA		12' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,293.74	871.78
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	224.77	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	387.54	
			<i>For Aluminum, Mill Finish, Add</i>	176.72	
			<i>For Aluminum, Anodized Finish, Add</i>	494.50	
08 36 13 00-0026	EA		12' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,887.85	1,035.24
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	263.52	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	454.34	
			<i>For Aluminum, Mill Finish, Add</i>	207.18	
			<i>For Aluminum, Anodized Finish, Add</i>	579.74	
08 36 13 00-0027	EA		12' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	4,644.61	1,253.19
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	310.04	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	534.56	
			<i>For Aluminum, Mill Finish, Add</i>	243.76	
			<i>For Aluminum, Anodized Finish, Add</i>	682.10	
08 36 13 00-0028	EA		14' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,569.41	708.33
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	167.15	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	288.19	
			<i>For Aluminum, Mill Finish, Add</i>	131.42	
			<i>For Aluminum, Anodized Finish, Add</i>	367.73	
08 36 13 00-0029	EA		14' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,160.83	871.78
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	205.50	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	354.32	
			<i>For Aluminum, Mill Finish, Add</i>	161.57	
			<i>For Aluminum, Anodized Finish, Add</i>	452.11	
08 36 13 00-0030	EA		14' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,904.18	1,089.73
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	250.08	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	431.18	
			<i>For Aluminum, Mill Finish, Add</i>	196.62	
			<i>For Aluminum, Anodized Finish, Add</i>	550.18	
08 36 13 00-0031	EA		14' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	4,500.95	1,253.19
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	289.21	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	498.65	
			<i>For Aluminum, Mill Finish, Add</i>	227.38	
			<i>For Aluminum, Anodized Finish, Add</i>	636.27	
08 36 13 00-0032	EA		14' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	5,168.90	1,416.65
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	338.66	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	583.90	
			<i>For Aluminum, Mill Finish, Add</i>	266.26	
			<i>For Aluminum, Anodized Finish, Add</i>	745.06	
08 36 13 00-0033	EA		16' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,113.83	871.78
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	198.69	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	342.57	
			<i>For Aluminum, Mill Finish, Add</i>	156.21	
			<i>For Aluminum, Anodized Finish, Add</i>	437.11	
08 36 13 00-0034	EA		16' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,854.50	1,089.73
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	242.88	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	418.76	
			<i>For Aluminum, Mill Finish, Add</i>	190.95	
			<i>For Aluminum, Anodized Finish, Add</i>	534.33	
08 36 13 00-0035	EA		16' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	4,526.45	1,253.19
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	292.91	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	505.02	
			<i>For Aluminum, Mill Finish, Add</i>	230.29	
			<i>For Aluminum, Anodized Finish, Add</i>	644.41	
08 36 13 00-0036	EA		16' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	5,370.29	1,416.65
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	367.86	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	634.25	
			<i>For Aluminum, Mill Finish, Add</i>	289.22	
			<i>For Aluminum, Anodized Finish, Add</i>	809.30	
08 36 13 00-0037	EA		16' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	6,250.60	1,634.59
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	432.30	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	745.35	
			<i>For Aluminum, Mill Finish, Add</i>	339.88	
			<i>For Aluminum, Anodized Finish, Add</i>	951.06	
08 36 13 00-0038	EA		18' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,957.90	1,089.73
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	257.87	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	444.61	
			<i>For Aluminum, Mill Finish, Add</i>	202.74	
			<i>For Aluminum, Anodized Finish, Add</i>	567.32	
08 36 13 00-0039	EA		18' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	4,711.75	1,253.19
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	319.78	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	551.35	
			<i>For Aluminum, Mill Finish, Add</i>	251.41	
			<i>For Aluminum, Anodized Finish, Add</i>	703.52	
08 36 13 00-0040	EA		18' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	5,665.66	1,416.65
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	410.69	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	708.09	
			<i>For Aluminum, Mill Finish, Add</i>	322.89	
			<i>For Aluminum, Anodized Finish, Add</i>	903.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0041 EA 18' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,547.32	1,634.59
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	475.33	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	819.53	
<i>For Aluminum, Mill Finish, Add</i>	373.70	
<i>For Aluminum, Anodized Finish, Add</i>	1,045.72	
08 36 13 00-0042 EA 18' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,512.21	1,852.54
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	552.03	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	951.78	
<i>For Aluminum, Mill Finish, Add</i>	434.01	
<i>For Aluminum, Anodized Finish, Add</i>	1,214.46	
08 36 13 00-0043 EA 20' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,500.95	1,253.19
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	289.21	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	498.65	
<i>For Aluminum, Mill Finish, Add</i>	227.38	
<i>For Aluminum, Anodized Finish, Add</i>	636.27	
08 36 13 00-0044 EA 20' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,254.83	1,416.65
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	351.12	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	605.38	
<i>For Aluminum, Mill Finish, Add</i>	276.05	
<i>For Aluminum, Anodized Finish, Add</i>	772.47	
08 36 13 00-0045 EA 20' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,443.94	1,634.59
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	460.34	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	793.68	
<i>For Aluminum, Mill Finish, Add</i>	361.92	
<i>For Aluminum, Anodized Finish, Add</i>	1,012.74	
08 36 13 00-0046 EA 20' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,325.59	1,852.54
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	524.97	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	905.12	
<i>For Aluminum, Mill Finish, Add</i>	412.73	
<i>For Aluminum, Anodized Finish, Add</i>	1,154.93	
08 36 13 00-0047 EA 20' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,967.15	2,070.49
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	699.79	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,206.54	
<i>For Aluminum, Mill Finish, Add</i>	550.18	
<i>For Aluminum, Anodized Finish, Add</i>	1,539.54	
08 36 13 00-0048 EA 22' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,018.52	1,416.65
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	316.86	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	546.31	
<i>For Aluminum, Mill Finish, Add</i>	249.12	
<i>For Aluminum, Anodized Finish, Add</i>	697.09	
08 36 13 00-0049 EA 22' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,155.29	1,634.59
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	418.48	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	721.52	
<i>For Aluminum, Mill Finish, Add</i>	329.01	
<i>For Aluminum, Anodized Finish, Add</i>	920.66	
08 36 13 00-0050 EA 22' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,265.17	1,852.54
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	516.21	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	890.02	
<i>For Aluminum, Mill Finish, Add</i>	405.85	
<i>For Aluminum, Anodized Finish, Add</i>	1,135.66	
08 36 13 00-0051 EA 22' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,533.48	2,070.49
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	636.91	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,098.12	
<i>For Aluminum, Mill Finish, Add</i>	500.74	
<i>For Aluminum, Anodized Finish, Add</i>	1,401.20	
08 36 13 00-0052 EA 22' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,607.07	2,288.44
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	729.38	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,257.55	
<i>For Aluminum, Mill Finish, Add</i>	573.44	
<i>For Aluminum, Anodized Finish, Add</i>	1,604.64	
08 36 13 00-0053 EA 24' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,584.68	1,634.59
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	335.74	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	578.87	
<i>For Aluminum, Mill Finish, Add</i>	263.96	
<i>For Aluminum, Anodized Finish, Add</i>	738.63	
08 36 13 00-0054 EA 24' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,763.03	1,852.54
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	443.40	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	764.48	
<i>For Aluminum, Mill Finish, Add</i>	348.60	
<i>For Aluminum, Anodized Finish, Add</i>	975.48	
08 36 13 00-0055 EA 24' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,173.67	2,070.49
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	584.74	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,008.17	
<i>For Aluminum, Mill Finish, Add</i>	459.72	
<i>For Aluminum, Anodized Finish, Add</i>	1,286.42	
08 36 13 00-0056 EA 24' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,129.11	2,288.44
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	660.08	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,138.06	
<i>For Aluminum, Mill Finish, Add</i>	518.96	
<i>For Aluminum, Anodized Finish, Add</i>	1,452.17	
08 36 13 00-0057 EA 24' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,226.90	2,506.38
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	756.05	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,303.54	
<i>For Aluminum, Mill Finish, Add</i>	594.41	
<i>For Aluminum, Anodized Finish, Add</i>	1,663.31	

**08 Openings****08 30 Specialty Doors and Frames****08 36 Panel Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 36 13 00-0058	Insulated, 24 Gauge Galvanized Steel Sectional Doors <small>(08 36 13 00-0014)</small>		
	Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.		
08 36 13 00-0059	EA 8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,987.12	381.41
	For Aluminum, Mill Finish, Add	139.57	
	For Aluminum, Anodized Finish, Add	390.55	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	153.04	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	306.08	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	795.80	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,530.39	
08 36 13 00-0060	EA 8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,363.24	435.90
	For Aluminum, Mill Finish, Add	170.03	
	For Aluminum, Anodized Finish, Add	475.78	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	186.43	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	372.87	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	969.45	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,864.33	
08 36 13 00-0061	EA 8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,905.28	544.86
	For Aluminum, Mill Finish, Add	206.97	
	For Aluminum, Anodized Finish, Add	579.16	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	226.94	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	453.89	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,180.11	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,269.44	
08 36 13 00-0062	EA 10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,308.78	435.90
	For Aluminum, Mill Finish, Add	163.82	
	For Aluminum, Anodized Finish, Add	458.40	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	179.63	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	359.25	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	934.05	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,796.25	
08 36 13 00-0063	EA 10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,838.19	544.86
	For Aluminum, Mill Finish, Add	199.32	
	For Aluminum, Anodized Finish, Add	557.76	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	218.56	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	437.12	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,136.50	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,185.58	
08 36 13 00-0064	EA 10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,612.00	708.33
	For Aluminum, Mill Finish, Add	250.27	
	For Aluminum, Anodized Finish, Add	700.32	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	274.42	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	548.84	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,426.98	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,744.20	
08 36 13 00-0065	EA 10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,204.82	871.78
	For Aluminum, Mill Finish, Add	280.58	
	For Aluminum, Anodized Finish, Add	785.14	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	307.66	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	615.31	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,599.81	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,076.56	
08 36 13 00-0066	EA 12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,735.64	544.86
	For Aluminum, Mill Finish, Add	187.63	
	For Aluminum, Anodized Finish, Add	525.05	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	205.74	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	411.48	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,069.84	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,057.39	
08 36 13 00-0067	EA 12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,418.31	708.33
	For Aluminum, Mill Finish, Add	228.19	
	For Aluminum, Anodized Finish, Add	638.53	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	250.21	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	500.42	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,301.09	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,502.09	
08 36 13 00-0068	EA 12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,170.64	871.78
	For Aluminum, Mill Finish, Add	276.69	
	For Aluminum, Anodized Finish, Add	774.24	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	303.38	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	606.77	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,577.60	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,033.84	
08 36 13 00-0069	EA 12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,881.17	1,035.24
	For Aluminum, Mill Finish, Add	320.42	
	For Aluminum, Anodized Finish, Add	896.61	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	351.34	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	702.67	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,826.94	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,513.35	
08 36 13 00-0070	EA 12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,924.76	1,253.19
	For Aluminum, Mill Finish, Add	389.70	
	For Aluminum, Anodized Finish, Add	1,090.47	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	427.30	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	854.60	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,221.95	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,272.99	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0071	EA		14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,267.65	708.33
			<i>For Aluminum, Mill Finish, Add</i>	211.02	
			<i>For Aluminum, Anodized Finish, Add</i>	590.47	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	231.38	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	462.75	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,203.16	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,313.76	
08 36 13 00-0072	EA		14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,050.36	871.78
			<i>For Aluminum, Mill Finish, Add</i>	262.97	
			<i>For Aluminum, Anodized Finish, Add</i>	735.87	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	288.35	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	576.70	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,499.41	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,883.49	
08 36 13 00-0073	EA		14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,935.71	1,089.73
			<i>For Aluminum, Mill Finish, Add</i>	314.21	
			<i>For Aluminum, Anodized Finish, Add</i>	879.24	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	344.53	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	689.06	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,791.56	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,445.30	
08 36 13 00-0074	EA		14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,808.27	1,253.19
			<i>For Aluminum, Mill Finish, Add</i>	376.42	
			<i>For Aluminum, Anodized Finish, Add</i>	1,053.31	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	412.74	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	825.48	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,146.24	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,127.38	
08 36 13 00-0075	EA		14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,660.62	1,416.65
			<i>For Aluminum, Mill Finish, Add</i>	436.31	
			<i>For Aluminum, Anodized Finish, Add</i>	1,220.92	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	478.42	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	956.83	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,487.76	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,784.15	
08 36 13 00-0076	EA		16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,919.96	871.78
			<i>For Aluminum, Mill Finish, Add</i>	248.11	
			<i>For Aluminum, Anodized Finish, Add</i>	694.27	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	272.05	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	544.10	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,414.65	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,720.49	
08 36 13 00-0077	EA		16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,037.00	1,089.73
			<i>For Aluminum, Mill Finish, Add</i>	325.76	
			<i>For Aluminum, Anodized Finish, Add</i>	911.55	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	357.19	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	714.38	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,857.39	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,571.91	
08 36 13 00-0078	EA		16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,876.64	1,253.19
			<i>For Aluminum, Mill Finish, Add</i>	384.21	
			<i>For Aluminum, Anodized Finish, Add</i>	1,075.12	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	421.28	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	842.57	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,190.68	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,212.84	
08 36 13 00-0079	EA		16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,721.38	1,416.65
			<i>For Aluminum, Mill Finish, Add</i>	443.24	
			<i>For Aluminum, Anodized Finish, Add</i>	1,240.30	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	486.01	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	972.02	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,527.25	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,860.10	
08 36 13 00-0080	EA		16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,937.18	1,634.59
			<i>For Aluminum, Mill Finish, Add</i>	532.15	
			<i>For Aluminum, Anodized Finish, Add</i>	1,489.08	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	583.50	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,166.99	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,034.18	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,834.96	
08 36 13 00-0081	EA		18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,545.76	1,089.73
			<i>For Aluminum, Mill Finish, Add</i>	269.76	
			<i>For Aluminum, Anodized Finish, Add</i>	754.85	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	295.79	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	591.57	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,538.09	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,957.86	
08 36 13 00-0082	EA		18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,606.97	1,253.19
			<i>For Aluminum, Mill Finish, Add</i>	353.47	
			<i>For Aluminum, Anodized Finish, Add</i>	989.09	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	387.58	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	775.15	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,015.39	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,875.75	

**08 Openings****08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0083 EA 18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,498.55	1,416.65
For Aluminum, Mill Finish, Add	417.84	
For Aluminum, Anodized Finish, Add	1,169.21	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	458.16	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	916.31	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,382.41	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,581.56	
08 36 13 00-0084 EA 18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,066.32	1,634.59
For Aluminum, Mill Finish, Add	546.87	
For Aluminum, Anodized Finish, Add	1,530.28	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	599.64	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,199.28	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,118.12	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	5,996.39	
08 36 13 00-0085 EA 18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,855.45	1,852.54
For Aluminum, Mill Finish, Add	587.14	
For Aluminum, Anodized Finish, Add	1,642.96	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	643.79	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,287.59	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,347.72	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	6,437.93	
08 36 13 00-0086 EA 20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,582.91	1,253.19
For Aluminum, Mill Finish, Add	350.73	
For Aluminum, Anodized Finish, Add	981.42	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	384.57	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	769.14	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,999.75	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,845.68	
08 36 13 00-0087 EA 20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,554.27	1,416.65
For Aluminum, Mill Finish, Add	424.19	
For Aluminum, Anodized Finish, Add	1,186.99	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	465.12	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	930.24	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,418.63	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,651.21	
08 36 13 00-0088 EA 20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,325.85	1,634.59
For Aluminum, Mill Finish, Add	576.46	
For Aluminum, Anodized Finish, Add	1,613.07	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	632.08	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,264.16	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,286.82	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	6,320.80	
08 36 13 00-0089 EA 20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,087.13	1,852.54
For Aluminum, Mill Finish, Add	613.55	
For Aluminum, Anodized Finish, Add	1,716.86	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	672.75	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,345.51	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,498.31	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	6,727.53	
08 36 13 00-0090 EA 20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,532.08	2,070.49
For Aluminum, Mill Finish, Add	728.58	
For Aluminum, Anodized Finish, Add	2,038.75	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	798.88	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,597.77	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	4,154.20	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	7,988.84	
08 36 13 00-0091 EA 22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,137.73	1,416.65
For Aluminum, Mill Finish, Add	376.71	
For Aluminum, Anodized Finish, Add	1,054.11	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	413.05	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	826.11	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,147.88	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,130.54	
08 36 13 00-0092 EA 22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,553.57	1,634.59
For Aluminum, Mill Finish, Add	488.42	
For Aluminum, Anodized Finish, Add	1,366.71	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	535.55	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,071.09	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,784.83	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	5,355.45	
08 36 13 00-0093 EA 22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,947.88	1,852.54
For Aluminum, Mill Finish, Add	597.68	
For Aluminum, Anodized Finish, Add	1,672.44	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	655.35	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,310.69	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,407.80	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	6,553.46	
08 36 13 00-0094 EA 22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,052.25	2,070.49
For Aluminum, Mill Finish, Add	673.88	
For Aluminum, Anodized Finish, Add	1,885.69	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	738.91	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,477.81	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,842.31	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	7,389.05	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0095 EA 22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,446.50	2,288.44
<i>For Aluminum, Mill Finish, Add</i>	783.14	
<i>For Aluminum, Anodized Finish, Add</i>	2,191.42	
<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	858.71	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,717.41	
<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,465.27	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	8,587.05	
08 36 13 00-0096 EA 24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,853.44	1,634.59
<i>For Aluminum, Mill Finish, Add</i>	408.60	
<i>For Aluminum, Anodized Finish, Add</i>	1,143.37	
<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	448.03	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	896.06	
<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,329.75	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,480.29	
08 36 13 00-0097 EA 24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,409.81	1,852.54
<i>For Aluminum, Mill Finish, Add</i>	536.34	
<i>For Aluminum, Anodized Finish, Add</i>	1,500.80	
<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	588.09	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,176.18	
<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,058.06	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,880.88	
08 36 13 00-0098 EA 24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,731.95	2,070.49
<i>For Aluminum, Mill Finish, Add</i>	637.37	
<i>For Aluminum, Anodized Finish, Add</i>	1,783.51	
<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	698.87	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,397.74	
<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,634.11	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,988.68	
08 36 13 00-0099 EA 24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,128.73	2,288.44
<i>For Aluminum, Mill Finish, Add</i>	746.91	
<i>For Aluminum, Anodized Finish, Add</i>	2,090.05	
<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	818.98	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,637.97	
<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,258.72	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	8,189.84	
08 36 13 00-0100 EA 24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	12,504.03	2,506.38
<i>For Aluminum, Mill Finish, Add</i>	854.01	
<i>For Aluminum, Anodized Finish, Add</i>	2,389.72	
<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	936.41	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,872.82	
<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,869.33	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	9,364.10	
<b>08 36 13 00-0101 Residential Grade, Galvanized Steel Sectional Overhead Doors</b> <small>(08 36 13 00-0013)</small>		
<i>Note: Includes track and hardware. Excludes frame.</i>		
08 36 13 00-0102 EA 9' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift .....	917.98	217.95
<i>For Aluminum And Fiberglass, Add</i>	115.67	
<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
<i>For Insulated Door, Add</i>	134.32	
08 36 13 00-0103 EA 9' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift .....	984.94	217.95
<i>For Aluminum And Fiberglass, Add</i>	136.42	
<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
<i>For Insulated Door, Add</i>	158.43	
08 36 13 00-0104 EA 16' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift .....	1,239.04	249.33
<i>For Aluminum And Fiberglass, Add</i>	191.29	
<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
<i>For Insulated Door, Add</i>	222.14	
08 36 13 00-0105 EA 16' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift .....	1,344.25	249.33
<i>For Aluminum And Fiberglass, Add</i>	223.90	
<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
<i>For Insulated Door, Add</i>	260.01	
<b>08 36 13 00-0106 Removal And Reinstallation Of Sectional Metal Overhead Doors And Supports</b> <small>(08 36 13 00-0013)</small>		
<i>Note: Includes storage, cleaning and supply materials.</i>		
08 36 13 00-0107 SF Removal And Reinstallation Of Sectional Metal Overhead Door And Supports .....	15.85	
<b>08 36 13 00-0108 Sectional Fiberglass Overhead Doors (Width x Height)</b> <small>(08 36 13)</small>		
<b>08 36 13 00-0109 Fiberglass Sectional Overhead Doors</b> <small>(08 36 13 00-0108)</small>		
<b>08 36 13 00-0110 Non-Insulated, Fiberglass Sectional Doors</b> <small>(08 36 13 00-0109)</small>		
<i>Note: Includes 2" door, tracks and hardware. Excludes frame.</i>		
08 36 13 00-0111 EA 8' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	2,591.60	381.41
08 36 13 00-0112 EA 8' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	3,076.45	435.90
08 36 13 00-0113 EA 8' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	3,640.29	544.86
08 36 13 00-0114 EA 10' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	3,040.35	435.90
08 36 13 00-0115 EA 10' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	3,627.48	490.38
08 36 13 00-0116 EA 10' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	4,523.28	681.09
08 36 13 00-0117 EA 10' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	5,424.48	871.78
08 36 13 00-0118 EA 12' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	3,589.15	544.86
08 36 13 00-0119 EA 12' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	4,502.23	681.09

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors and Frames</b>
<b>08 36</b>	<b>Panel Doors</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 36 13 00-0120	EA	12' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	5,402.96	817.30
08 36 13 00-0121	EA	12' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	6,573.76	1,089.73
08 36 13 00-0122	EA	12' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	7,643.44	1,307.68
08 36 13 00-0123	EA	14' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	4,355.65	762.81
08 36 13 00-0124	EA	14' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	5,298.16	871.78
08 36 13 00-0125	EA	14' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	6,465.49	1,089.73
08 36 13 00-0126	EA	14' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	7,631.41	1,307.68
08 36 13 00-0127	EA	14' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	8,582.72	1,416.65
08 36 13 00-0128	EA	16' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	4,946.25	871.78
08 36 13 00-0129	EA	16' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	5,958.63	980.76
08 36 13 00-0130	EA	16' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	7,207.54	1,198.71
08 36 13 00-0131	EA	16' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	8,441.36	1,416.65
08 36 13 00-0132	EA	16' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	9,457.22	1,525.62

## 08 36 13 00-0133

Insulated, Fiberglass Sectional Doors (08 36 13 00-0109)

Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.

08 36 13 00-0134	EA	8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,195.07	381.41
08 36 13 00-0135	EA	8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,803.99	435.90
08 36 13 00-0136	EA	8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,481.97	544.86
08 36 13 00-0137	EA	10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,755.98	435.90
08 36 13 00-0138	EA	10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,500.93	490.38
08 36 13 00-0139	EA	10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,566.46	681.09
08 36 13 00-0140	EA	10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,639.36	871.78
08 36 13 00-0141	EA	12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,413.96	544.86
08 36 13 00-0142	EA	12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,538.45	681.09
08 36 13 00-0143	EA	12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,646.62	817.30
08 36 13 00-0144	EA	12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,023.88	1,089.73
08 36 13 00-0145	EA	12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	9,302.99	1,307.68
08 36 13 00-0146	EA	14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,289.64	762.81
08 36 13 00-0147	EA	14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,471.35	871.78
08 36 13 00-0148	EA	14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	7,879.87	1,089.73
08 36 13 00-0149	EA	14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	9,286.99	1,307.68
08 36 13 00-0150	EA	14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	10,480.48	1,416.65
08 36 13 00-0151	EA	16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,003.32	871.78
08 36 13 00-0152	EA	16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	7,277.73	980.76
08 36 13 00-0153	EA	16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,794.63	1,198.71
08 36 13 00-0154	EA	16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	10,292.46	1,416.65
08 36 13 00-0155	EA	16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	11,571.36	1,525.62

## 08 36 13 00-0156

Sectional Overhead Door Accessories (08 36 13)

## 08 36 13 00-0157

Sectional Overhead Door Accessories (08 36 13 00-0156)

08 36 13 00-0158	LF	Flap Seal For Sectional Overhead Doors .....	4.56	
08 36 13 00-0159	LF	Weather Seal At Top Of Door For Sectional Overhead Doors.....	6.79	
08 36 13 00-0160	LF	Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors.....	3.49	
08 36 13 00-0161	EA	Cylinder Lock For Sectional Overhead Doors.....	435.26	
08 36 13 00-0162	EA	Manual Chain Hoist For Sectional Overhead Doors .....	574.35	
08 36 13 00-0163	EA	3/4 HP, Electric Chain Lift Operator For Sectional Overhead Doors.....	2,432.21	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0164	EA	1/2 HP Trolley Operator For Sectional Overhead Doors.....	1,058.73	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0165	EA	3/4 HP Trolley Operator For Sectional Overhead Doors.....	1,348.53	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
		For Door Height >12', Add	10.00	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0166	SF	Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	35.30	
		Note: Additional cost for factory supplied.		
08 36 13 00-0167	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	22.01	
		Note: Additional cost for factory supplied.		
08 36 13 00-0168	SF	Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors .....	36.90	
		Note: Additional cost for factory supplied.		
08 36 13 00-0169	SF	>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors.....	25.16	
		Note: Additional cost for factory supplied.		
08 36 13 00-0170	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors .....	59.37	
		Note: Additional cost for factory supplied.		
08 36 13 00-0171	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors.....	40.07	
		Note: Additional cost for factory supplied.		
08 36 13 00-0172	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door .....	505.44	
		Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0173	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door .....	785.28	
		Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0174	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door .....	1,173.31	
		Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0175	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	1.39	
		Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0176	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	1.78	
		Note: Additional cost for factory supplied/installed spring. Per SF of Door.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 36 13 00-0177	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	2.36	
Note: Additional cost for factory supplied/installed spring. Per SF of Door.				

**08 38 Traffic Doors** (08 30)

**08 38 13 Flexible Strip Doors** (08 38)

**08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Strip Doors** (08 38 13)

08 38 13 00-0002	SF	8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	21.61	6.54
For Cooler/Freezer Doors, USDA Grade, Add				
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			1.56	
08 38 13 00-0003	SF	8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	30.11	8.72
For Cooler/Freezer Doors, USDA Grade, Add				
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			2.20	
08 38 13 00-0004	SF	12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	19.18	5.45
For Cooler/Freezer Doors, USDA Grade, Add				
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			1.97	
08 38 13 00-0005	SF	12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	24.84	5.99
For Cooler/Freezer Doors, USDA Grade, Add				
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			2.47	
08 38 13 00-0006	SF	16" Smooth Strip, 0.160" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	20.63	5.45
For Cooler/Freezer Doors, USDA Grade, Add				
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			2.50	

**08 38 13 00-0007 Clear Polyvinyl Chloride (PVC) Replacement Strips** (08 38 13)

08 38 13 00-0008	EA	8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip .....	67.32	30.73
For Cooler/Freezer Doors, USDA Grade, Add				
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			3.61	
08 38 13 00-0009	EA	8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip .....	69.73	30.73
For Cooler/Freezer Doors, USDA Grade, Add				
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			4.12	
08 38 13 00-0010	EA	12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip .....	102.32	38.03
For Cooler/Freezer Doors, USDA Grade, Add				
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			8.44	
08 38 13 00-0011	EA	12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip .....	110.48	38.03
For Cooler/Freezer Doors, USDA Grade, Add				
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			10.16	
08 38 13 00-0012	EA	12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip .....	118.14	38.03
For Cooler/Freezer Doors, USDA Grade, Add				
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			11.76	
08 38 13 00-0013	EA	16" Smooth Strip, 0.160" Thick, 14' Long, Replacement Strip .....	208.88	38.79
For Cooler/Freezer Doors, USDA Grade, Add				
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			27.56	

**08 38 16 Flexible Traffic Doors** (08 38)

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

**08 38 16 00-0001 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro)** (08 38 16)

**08 38 16 00-0002 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors** (08 38 16 00-0001)

**08 38 16 00-0003 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors** (08 38 16 00-0002)

08 38 16 00-0004	EA	72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	5,926.13	108.97
08 38 16 00-0005	EA	72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	6,416.80	108.97
08 38 16 00-0006	EA	96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	13,488.59	125.32
08 38 16 00-0007	EA	96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	15,142.40	136.22
08 38 16 00-0008	EA	108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	23,633.87	136.22
08 38 16 00-0009	EA	108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	24,732.36	136.22
08 38 16 00-0010	EA	120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	27,512.80	163.46

**08 38 16 00-0011 Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors** (08 38 16 00-0002)

08 38 16 00-0012	EA	72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	6,609.21	108.97
08 38 16 00-0013	EA	72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	7,155.63	108.97

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 16 00-0014 EA 96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	16,004.70	125.32
08 38 16 00-0015 EA 96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	17,647.33	136.22
08 38 16 00-0016 EA 108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	26,506.68	136.22
08 38 16 00-0017 EA 108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	27,624.08	136.22
08 38 16 00-0018 EA 120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	30,729.92	163.46
<b>08 38 16 00-0019 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP)</b> <small>(08 38 16)</small> Note: Includes pebble embossed finish and a 14" x 16" vinyl window.		
<b>08 38 16 00-0020 Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0019)</small>		
<b>08 38 16 00-0021 84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0020)</small>		
08 38 16 00-0022 EA 24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	1,364.84	59.93
08 38 16 00-0023 EA 40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	1,469.71	59.93
<b>08 38 16 00-0024 96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0020)</small>		
08 38 16 00-0025 EA 24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	1,469.71	59.93
08 38 16 00-0026 EA 40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	1,499.29	59.93
<b>08 38 16 00-0027 Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0019)</small>		
<b>08 38 16 00-0028 84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0027)</small>		
08 38 16 00-0029 EA 48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	2,696.99	103.52
08 38 16 00-0030 EA 80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	2,906.73	103.52
<b>08 38 16 00-0031 96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0027)</small>		
08 38 16 00-0032 EA 48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	2,906.73	103.52
08 38 16 00-0033 EA 80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors .....	2,965.88	103.52
<b>08 38 19 Rigid Traffic Doors</b> <small>(08 38)</small> Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.		
<b>08 38 19 00-0001 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3)</b> <small>(08 38 19)</small> Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
<b>08 38 19 00-0002 Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> <small>(08 38 19 00-0001)</small>		
<b>08 38 19 00-0003 84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> <small>(08 38 19 00-0002)</small>		
08 38 19 00-0004 EA 24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door .....	679.16	59.93
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0005 EA 28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door .....	727.56	59.93
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0006 EA 30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door .....	751.84	62.66
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0007 EA 32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door .....	781.41	62.66
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0008 EA 36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door .....	816.47	65.38
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	



	MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 38 19 00-0009	EA	40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	881.01	65.38
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
	08 38 19 00-0010	EA	42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	916.14	73.56
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
	<b>08 38 19 00-0011</b>		<b>96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> (08 38 19 00-0002)		
	08 38 19 00-0012	EA	24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	762.52	59.93
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
	08 38 19 00-0013	EA	28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	800.16	59.93
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
	08 38 19 00-0014	EA	30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	827.13	62.66
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
	08 38 19 00-0015	EA	32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	848.64	62.66
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
	08 38 19 00-0016	EA	36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	926.72	65.38
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
	08 38 19 00-0017	EA	40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	942.85	65.38
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
	08 38 19 00-0018	EA	42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	975.30	73.56
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
	<b>08 38 19 00-0019</b>		<b>Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> (08 38 19 00-0001)		
	<b>08 38 19 00-0020</b>		<b>84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> (08 38 19 00-0019)		
	08 38 19 00-0021	EA	48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,325.62	103.52
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
	08 38 19 00-0022	EA	56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,422.43	103.52
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
	08 38 19 00-0023	EA	60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,460.07	103.52
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
	08 38 19 00-0024	EA	64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,519.23	103.52
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
	08 38 19 00-0025	EA	72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,589.31	108.97
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0026	EA		80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,718.38	108.97
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0027	EA		84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,756.03	108.97
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
<b>08 38 19 00-0028</b>			<b>96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0019)</b>		
08 38 19 00-0029	EA		48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,492.34	103.52
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0030	EA		56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,567.63	103.52
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0031	EA		60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,610.65	103.52
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0032	EA		64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,653.68	103.52
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0033	EA		72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,809.81	108.97
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0034	EA		80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,842.08	108.97
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0035	EA		84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,874.34	108.97
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
<b>08 38 19 00-0036</b>			<b>3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliaison P-11 Plus) (08 38 19)</b>		
			Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
<b>08 38 19 00-0037</b>			<b>Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0036)</b>		
<b>08 38 19 00-0038</b>			<b>84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0037)</b>		
08 38 19 00-0039	EA		24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,173.93	59.93
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0040	EA		28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,300.31	59.93
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0041	EA		30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,356.85	62.66
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0042	EA		32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,410.63	62.66
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0043	EA		36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,432.24	65.38
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0044	EA		40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,542.49	65.38
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0045	EA		42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,658.29	73.56
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0046	EA		44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,677.11	73.56
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
<b>08 38 19 00-0047</b>			<b>96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0037)</b>		



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Specialty Doors and Frames</b>	<b>08 30</b>	
<b>Traffic Doors</b>	<b>08 38</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0048 EA 24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,281.49 6.00 19.00	59.93
08 38 19 00-0049 EA 28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,413.24 6.00 19.00	59.93
08 38 19 00-0050 EA 30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,469.79 6.00 19.00	62.66
08 38 19 00-0051 EA 32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,537.01 6.00 19.00	62.66
08 38 19 00-0052 EA 36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,590.89 6.00 19.00	65.38
08 38 19 00-0053 EA 40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,698.45 6.00 19.00	65.38
08 38 19 00-0054 EA 42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,757.78 6.00 19.00	73.56
08 38 19 00-0055 EA 44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,825.00 6.00 19.00	73.56
<b>08 38 19 00-0056 Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0036)</b>		
<b>08 38 19 00-0057 84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0056)</b>		
08 38 19 00-0058 EA 48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,315.16 6.00 19.00	103.52
08 38 19 00-0059 EA 56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,567.92 6.00 19.00	103.52
08 38 19 00-0060 EA 60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,670.10 6.00 19.00	103.52
08 38 19 00-0061 EA 64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,777.66 6.00 19.00	103.52
08 38 19 00-0062 EA 72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,820.85 6.00 19.00	108.97
08 38 19 00-0063 EA 80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,041.35 6.00 19.00	108.97
08 38 19 00-0064 EA 84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,240.33 6.00 19.00	108.97
08 38 19 00-0065 EA 88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,277.98 6.00 19.00	108.97
<b>08 38 19 00-0066 96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0056)</b>		
08 38 19 00-0067 EA 48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,530.27 6.00 19.00	103.52
08 38 19 00-0068 EA 56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,793.79 6.00 19.00	103.52
08 38 19 00-0069 EA 60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,895.97 6.00 19.00	103.52
08 38 19 00-0070 EA 64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,030.42 6.00 19.00	103.52
08 38 19 00-0071 EA 72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,138.15 6.00 19.00	108.97
08 38 19 00-0072 EA 80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,353.27 6.00 19.00	108.97
08 38 19 00-0073 EA 84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,439.31 6.00 19.00	108.97
08 38 19 00-0074 EA 88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,573.76 6.00 19.00	108.97

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 38 19 00-0075	3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) <small>(08 38 19)</small> Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.		
08 38 19 00-0076	Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0075)</small>		
08 38 19 00-0077	84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0076)</small>		
08 38 19 00-0078	EA 24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,673.91 6.00 19.00	59.93
08 38 19 00-0079	EA 28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,042.28 6.00 19.00	59.93
08 38 19 00-0080	EA 30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,145.96 6.00 19.00	62.66
08 38 19 00-0081	EA 32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,182.80 6.00 19.00	62.66
08 38 19 00-0082	EA 36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,225.12 6.00 19.00	65.38
08 38 19 00-0083	EA 40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,568.93 6.00 19.00	65.38
08 38 19 00-0084	EA 42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,867.66 6.00 19.00	73.56
08 38 19 00-0085	EA 44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,910.64 6.00 19.00	73.56
08 38 19 00-0086	96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0076)</small>		
08 38 19 00-0087	EA 24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,753.72 6.00 19.00	59.93
08 38 19 00-0088	EA 28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,208.05 6.00 19.00	59.93
08 38 19 00-0089	EA 30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,317.87 6.00 19.00	62.66
08 38 19 00-0090	EA 32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,366.99 6.00 19.00	62.66
08 38 19 00-0091	EA 36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,384.75 6.00 19.00	65.38
08 38 19 00-0092	EA 40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,636.47 6.00 19.00	65.38
08 38 19 00-0093	EA 42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,929.06 6.00 19.00	73.56
08 38 19 00-0094	EA 44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,978.17 6.00 19.00	73.56
08 38 19 00-0095	Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0075)</small>		
08 38 19 00-0096	84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0095)</small>		
08 38 19 00-0097	EA 48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,315.12 6.00 19.00	103.52
08 38 19 00-0098	EA 56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,051.86 6.00 19.00	103.52
08 38 19 00-0099	EA 60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,248.33 6.00 19.00	103.52
08 38 19 00-0100	EA 64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,322.00 6.00 19.00	103.52
08 38 19 00-0101	EA 72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	6,406.61 6.00 19.00	108.97





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0102 EA 80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,094.23 6.00 19.00	108.97
08 38 19 00-0103 EA 84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,659.07 6.00 19.00	108.97
08 38 19 00-0104 EA 88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,745.03 6.00 19.00	108.97
<b>08 38 19 00-0105 96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b> <small>(08 38 19 00-0095)</small>		
08 38 19 00-0106 EA 48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	5,474.75 6.00 19.00	103.52
08 38 19 00-0107 EA 56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,383.40 6.00 19.00	103.52
08 38 19 00-0108 EA 60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,592.14 6.00 19.00	103.52
08 38 19 00-0109 EA 64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,690.37 6.00 19.00	103.52
08 38 19 00-0110 EA 72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,725.86 6.00 19.00	108.97
08 38 19 00-0111 EA 80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,229.30 6.00 19.00	108.97
08 38 19 00-0112 EA 84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,781.86 6.00 19.00	108.97
08 38 19 00-0113 EA 88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,880.10 6.00 19.00	108.97
<b>08 38 19 00-0114 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Elison SCP-2)</b> <small>(08 38 19)</small>		
Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.		
<b>08 38 19 00-0115 Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors</b> <small>(08 38 19 00-0114)</small>		
<b>08 38 19 00-0116 84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors</b> <small>(08 38 19 00-0115)</small>		
08 38 19 00-0117 EA 24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,561.14 22.00 28.00 41.00	59.93
08 38 19 00-0118 EA 28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,703.65 22.00 28.00 41.00	59.93
08 38 19 00-0119 EA 30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,746.75 22.00 28.00 41.00	62.66
08 38 19 00-0120 EA 32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,781.70 22.00 28.00 41.00	62.66
08 38 19 00-0121 EA 36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,846.34 22.00 28.00 41.00	65.38
08 38 19 00-0122 EA 40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,913.56 22.00 28.00 41.00	65.38
08 38 19 00-0123 EA 42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,983.65 22.00 28.00 41.00	73.56
08 38 19 00-0124 EA 44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,029.36 22.00 28.00 41.00	73.56

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0125			<b>96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors</b> <small>(08 38 19 00-0115)</small>		
08 38 19 00-0126	EA		24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,682.14	59.93
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0127	EA		28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,832.72	59.93
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0128	EA		30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,878.51	62.66
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0129	EA		32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,897.33	62.66
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0130	EA		36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,956.59	65.38
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0131	EA		40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,045.32	65.38
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0132	EA		42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,104.66	73.56
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0133	EA		44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,150.37	73.56
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0134			<b>Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors</b> <small>(08 38 19 00-0114)</small>		
08 38 19 00-0135			<b>84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors</b> <small>(08 38 19 00-0134)</small>		
08 38 19 00-0136	EA		48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,089.57	103.52
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0137	EA		56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,374.60	103.52
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0138	EA		60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,449.89	103.52
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0139	EA		64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,519.81	103.52
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0140	EA		72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,649.05	108.97
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0141	EA		80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,783.50	108.97
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0142	EA		84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,891.06	108.97
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0143	EA		88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,982.48	108.97
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0144			<b>96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors</b> <small>(08 38 19 00-0134)</small>		
08 38 19 00-0145	EA		48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,331.58	103.52
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0146	EA			56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,632.74 22.00 28.00 41.00	103.52
08 38 19 00-0147	EA			60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,713.41 22.00 28.00 41.00	103.52
08 38 19 00-0148	EA			64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,751.06 22.00 28.00 41.00	103.52
08 38 19 00-0149	EA			72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,869.54 22.00 28.00 41.00	108.97
08 38 19 00-0150	EA			80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,047.01 22.00 28.00 41.00	108.97
08 38 19 00-0151	EA			84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,133.06 22.00 28.00 41.00	108.97
08 38 19 00-0152	EA			88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,224.49 22.00 28.00 41.00	108.97
08 38 19 00-0153				<b>1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliason HCP-10)</b> <small>(08 38 19)</small> <i>Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.</i>		
08 38 19 00-0154				<b>Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0153)</small>		
08 38 19 00-0155				<b>84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0154)</small>		
08 38 19 00-0156	EA			24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,534.25 6.00 19.00	59.93
08 38 19 00-0157	EA			28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,612.23 6.00 19.00	59.93
08 38 19 00-0158	EA			30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,687.59 6.00 19.00	62.66
08 38 19 00-0159	EA			32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,733.30 6.00 19.00	62.66
08 38 19 00-0160	EA			36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,851.72 6.00 19.00	65.38
08 38 19 00-0161	EA			40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,943.14 6.00 19.00	65.38
08 38 19 00-0162	EA			42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,032.05 6.00 19.00	73.56
08 38 19 00-0163	EA			44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,118.10 6.00 19.00	73.56
08 38 19 00-0164				<b>90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0154)</small>		
08 38 19 00-0165	EA			24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,588.03 6.00 19.00	59.93
08 38 19 00-0166	EA			28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,682.14 6.00 19.00	59.93
08 38 19 00-0167	EA			30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,733.30 6.00 19.00	62.66
08 38 19 00-0168	EA			32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,797.84 6.00 19.00	62.66
08 38 19 00-0169	EA			36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,924.32 6.00 19.00	65.38
08 38 19 00-0170	EA			40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,034.57 6.00 19.00	65.38

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0171	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,118.10	73.56
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0172	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,198.77	73.56
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
<b>08 38 19 00-0173</b>			<b>96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic</b>		
			<b>Doors</b> <small>(08 38 19 00-0154)</small>		
08 38 19 00-0174	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,725.16	59.93
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0175	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,743.99	59.93
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0176	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,827.42	62.66
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0177	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,886.57	62.66
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0178	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,015.74	65.38
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0179	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,147.50	65.38
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0180	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,225.66	73.56
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0181	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,306.33	73.56
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
<b>08 38 19 00-0182</b>			<b>Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0153)</small>		
<b>08 38 19 00-0183</b>			<b>84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic</b>		
			<b>Doors</b> <small>(08 38 19 00-0182)</small>		
08 38 19 00-0184	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,035.80	103.52
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0185	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,191.75	103.52
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0186	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,331.58	103.52
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0187	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,423.00	103.52
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0188	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,659.81	108.97
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0189	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,842.65	108.97
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0190	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,987.86	108.97
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0191	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,159.95	108.97
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
<b>08 38 19 00-0192</b>			<b>90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic</b>		
			<b>Doors</b> <small>(08 38 19 00-0182)</small>		
08 38 19 00-0193	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,143.35	103.52
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0194	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,331.58	103.52
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0195	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,423.00	103.52
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0196	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,552.07	103.52
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0197	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,805.01	108.97
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 38 19 00-0198	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,025.50 6.00 19.00	108.97
	08 38 19 00-0199	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,159.95 6.00 19.00	108.97
	08 38 19 00-0200	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,321.29 6.00 19.00	108.97
	<b>08 38 19 00-0201</b>			<b>96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0182)</small>		
	08 38 19 00-0202	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,417.63 6.00 19.00	103.52
	08 38 19 00-0203	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,455.27 6.00 19.00	103.52
	08 38 19 00-0204	EA		60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,611.23 6.00 19.00	103.52
	08 38 19 00-0205	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,729.54 6.00 19.00	103.52
	08 38 19 00-0206	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,987.86 6.00 19.00	108.97
	08 38 19 00-0207	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,251.37 6.00 19.00	108.97
	08 38 19 00-0208	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,375.07 6.00 19.00	108.97
	08 38 19 00-0209	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,536.40 6.00 19.00	108.97
	<b>08 38 19 00-0210</b>			<b>1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10)</b> <small>(08 38 19 00-0210)</small> Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.		
	<b>08 38 19 00-0211</b>			<b>Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0210)</small>		
	<b>08 38 19 00-0212</b>			<b>84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0211)</small>		
	08 38 19 00-0213	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,534.25 6.00 19.00	59.93
	08 38 19 00-0214	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,612.23 6.00 19.00	59.93
	08 38 19 00-0215	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,687.59 6.00 19.00	62.66
	08 38 19 00-0216	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,733.30 6.00 19.00	62.66
	08 38 19 00-0217	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,851.72 6.00 19.00	65.38
	08 38 19 00-0218	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,943.14 6.00 19.00	65.38
	08 38 19 00-0219	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,032.05 6.00 19.00	73.56
	08 38 19 00-0220	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,118.10 6.00 19.00	73.56
	<b>08 38 19 00-0221</b>			<b>90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0211)</small>		
	08 38 19 00-0222	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,588.03 6.00 19.00	59.93
	08 38 19 00-0223	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,682.14 6.00 19.00	59.93

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0224	EA		30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,733.30	62.66
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0225	EA		32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,797.84	62.66
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0226	EA		36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,924.32	65.38
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0227	EA		40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,034.57	65.38
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0228	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,118.10	73.56
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0229	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,198.77	73.56
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
<b>08 38 19 00-0230 96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic</b>					
<b>Doors</b> <small>(08 38 19 00-0211)</small>					
08 38 19 00-0231	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,725.16	59.93
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0232	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,743.99	59.93
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0233	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,827.42	62.66
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0234	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,886.57	62.66
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0235	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,015.74	65.38
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0236	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,147.50	65.38
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0237	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,225.66	73.56
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0238	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,306.33	73.56
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
<b>08 38 19 00-0239 Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0210)</small>					
<b>08 38 19 00-0240 84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic</b>					
<b>Doors</b> <small>(08 38 19 00-0239)</small>					
08 38 19 00-0241	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,035.80	103.52
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0242	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,191.75	103.52
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0243	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,331.58	103.52
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0244	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,423.00	103.52
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0245	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,659.81	108.97
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0246	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,842.65	108.97
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0247	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,987.86	108.97
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0248	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	4,159.95	108.97
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
<b>08 38 19 00-0249 90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic</b>					
<b>Doors</b> <small>(08 38 19 00-0239)</small>					
08 38 19 00-0250	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,143.35	103.52
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0251	EA			56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,331.58	103.52
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0252	EA			60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,423.00	103.52
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0253	EA			64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,552.07	103.52
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0254	EA			72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,805.01	108.97
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0255	EA			80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	4,025.50	108.97
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0256	EA			84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	4,159.95	108.97
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0257	EA			88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	4,321.29	108.97
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0258				<b>96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic</b>		
				<b>Doors</b> (08 38 19 00-0239)		
08 38 19 00-0259	EA			48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,417.63	103.52
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0260	EA			56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,455.27	103.52
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0261	EA			60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,611.23	103.52
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0262	EA			64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,729.54	103.52
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0263	EA			72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,987.86	108.97
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0264	EA			80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	4,251.37	108.97
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0265	EA			84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	4,375.07	108.97
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0266	EA			88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	4,536.40	108.97
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0267				<b>Rigid Impact Traffic Door Accessories</b> (08 38 19)		
08 38 19 00-0268				<b>Bumper Strips For Impact Traffic Doors</b> (08 38 19 00-0267)		
				Note: Includes two bumpers per set.		
08 38 19 00-0269	SET			24" Wide, Bumper Strips For Impact Traffic Doors.....	143.08	43.59
08 38 19 00-0270	SET			30" Wide, Bumper Strips For Impact Traffic Doors.....	156.53	43.59
08 38 19 00-0271	SET			36" Wide, Bumper Strips For Impact Traffic Doors.....	167.28	43.59
08 38 19 00-0272	SET			48" Wide, Bumper Strips For Impact Traffic Doors.....	186.10	43.59
08 38 19 00-0273				<b>Easy Spring Bumpers For Impact Traffic Doors</b> (08 38 19 00-0267)		
				Note: Includes two bumpers per set.		
08 38 19 00-0274	SET			18" Height, Easy Spring Bumpers For Impact Traffic Doors.....	360.89	43.59
08 38 19 00-0275	SET			24" Height, Easy Spring Bumpers For Impact Traffic Doors.....	473.82	43.59
08 38 19 00-0276	SET			36" Height, Easy Spring Bumpers For Impact Traffic Doors.....	691.63	43.59
08 38 19 00-0277	SET			42" Height, Easy Spring Bumpers For Impact Traffic Doors.....	796.50	43.59
08 38 19 00-0278	SET			48" Height, Easy Spring Bumpers For Impact Traffic Doors.....	904.05	43.59
08 38 19 00-0279				<b>Scuff Plates For Impact Traffic Doors</b> (08 38 19 00-0267)		
				Note: Includes two 0.090" thermoplastic plates per set.		
08 38 19 00-0280				<b>12" High, Scuff Plates For Impact Traffic Doors</b> (08 38 19 00-0279)		
08 38 19 00-0281	SET			24" Wide x 12" High, Impact Traffic Door Scuff Plates.....	167.28	43.59
08 38 19 00-0282	SET			30" Wide x 12" High, Impact Traffic Door Scuff Plates.....	178.04	43.59
08 38 19 00-0283	SET			36" Wide x 12" High, Impact Traffic Door Scuff Plates.....	191.48	43.59
08 38 19 00-0284	SET			42" Wide x 12" High, Impact Traffic Door Scuff Plates.....	210.30	43.59
08 38 19 00-0285	SET			48" Wide x 12" High, Impact Traffic Door Scuff Plates.....	221.06	43.59
08 38 19 00-0286				<b>24" High, Scuff Plates For Impact Traffic Doors</b> (08 38 19 00-0279)		
08 38 19 00-0287	SET			24" Wide x 24" High, Impact Traffic Door Scuff Plates.....	221.06	43.59
08 38 19 00-0288	SET			30" Wide x 24" High, Impact Traffic Door Scuff Plates.....	269.46	43.59

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors and Frames</b>
<b>08 38</b>	<b>Traffic Doors</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0289 SET 36" Wide x 24" High, Impact Traffic Door Scuff Plates.....	296.35	43.59
08 38 19 00-0290 SET 42" Wide x 24" High, Impact Traffic Door Scuff Plates.....	334.00	43.59
08 38 19 00-0291 SET 48" Wide x 24" High, Impact Traffic Door Scuff Plates.....	358.20	43.59
<b>08 38 19 00-0292 30" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)</b>		
08 38 19 00-0293 SET 24" Wide x 30" High, Impact Traffic Door Scuff Plates.....	269.46	43.59
08 38 19 00-0294 SET 30" Wide x 30" High, Impact Traffic Door Scuff Plates.....	312.49	43.59
08 38 19 00-0295 SET 36" Wide x 30" High, Impact Traffic Door Scuff Plates.....	344.75	43.59
08 38 19 00-0296 SET 42" Wide x 30" High, Impact Traffic Door Scuff Plates.....	403.91	43.59
08 38 19 00-0297 SET 48" Wide x 30" High, Impact Traffic Door Scuff Plates.....	444.24	43.59
<b>08 38 19 00-0298 36" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)</b>		
08 38 19 00-0299 SET 24" Wide x 36" High, Impact Traffic Door Scuff Plates.....	296.35	43.59
08 38 19 00-0300 SET 30" Wide x 36" High, Impact Traffic Door Scuff Plates.....	344.75	43.59
08 38 19 00-0301 SET 36" Wide x 36" High, Impact Traffic Door Scuff Plates.....	398.53	43.59
08 38 19 00-0302 SET 42" Wide x 36" High, Impact Traffic Door Scuff Plates.....	428.11	43.59
08 38 19 00-0303 SET 48" Wide x 36" High, Impact Traffic Door Scuff Plates.....	473.82	43.59
<b>08 38 19 00-0304 48" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)</b>		
08 38 19 00-0305 SET 24" Wide x 48" High, Impact Traffic Door Scuff Plates.....	358.20	43.59
08 38 19 00-0306 SET 30" Wide x 48" High, Impact Traffic Door Scuff Plates.....	444.24	43.59
08 38 19 00-0307 SET 36" Wide x 48" High, Impact Traffic Door Scuff Plates.....	473.82	43.59
08 38 19 00-0308 SET 42" Wide x 48" High, Impact Traffic Door Scuff Plates.....	530.29	43.59
08 38 19 00-0309 SET 48" Wide x 48" High, Impact Traffic Door Scuff Plates.....	592.14	43.59
<b>08 38 19 00-0310 Base Plates For Impact Traffic Doors (08 38 19 00-0267)</b>		
Note: Includes two base plates per set.		
<b>08 38 19 00-0311 Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)</b>		
<b>08 38 19 00-0312 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)</b>		
08 38 19 00-0313 SET 24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	161.90	43.59
08 38 19 00-0314 SET 30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	172.66	43.59
08 38 19 00-0315 SET 36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	178.04	43.59
08 38 19 00-0316 SET 42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	202.24	43.59
08 38 19 00-0317 SET 48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	212.99	43.59
<b>08 38 19 00-0318 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)</b>		
08 38 19 00-0319 SET 24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	202.24	43.59
08 38 19 00-0320 SET 30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	218.37	43.59
08 38 19 00-0321 SET 36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	234.51	43.59
08 38 19 00-0322 SET 42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	247.95	43.59
08 38 19 00-0323 SET 48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	269.46	43.59
<b>08 38 19 00-0324 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)</b>		
08 38 19 00-0325 SET 24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	229.13	43.59
08 38 19 00-0326 SET 30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	242.57	43.59
08 38 19 00-0327 SET 36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	274.84	43.59
08 38 19 00-0328 SET 42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	309.80	43.59
08 38 19 00-0329 SET 48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	325.93	43.59
<b>08 38 19 00-0330 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)</b>		
08 38 19 00-0331 SET 24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	242.57	43.59
08 38 19 00-0332 SET 30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	269.46	43.59
08 38 19 00-0333 SET 36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	309.80	43.59
08 38 19 00-0334 SET 42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	342.06	43.59
08 38 19 00-0335 SET 48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	360.89	43.59
<b>08 38 19 00-0336 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)</b>		
08 38 19 00-0337 SET 24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	304.42	43.59
08 38 19 00-0338 SET 30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	342.06	43.59
08 38 19 00-0339 SET 36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	393.15	43.59
08 38 19 00-0340 SET 42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	417.35	43.59
08 38 19 00-0341 SET 48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	449.62	43.59
<b>08 38 19 00-0342 Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)</b>		
<b>08 38 19 00-0343 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)</b>		
08 38 19 00-0344 SET 24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	210.30	43.59





	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0345	SET	30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	221.06	43.59
08 38 19 00-0346	SET	36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	253.33	43.59
08 38 19 00-0347	SET	42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	269.46	43.59
08 38 19 00-0348	SET	48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	315.17	43.59
<b>08 38 19 00-0349</b>	<b>24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08</b>			
	<small>38 19 00-0342)</small>			
08 38 19 00-0350	SET	24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	285.60	43.59
08 38 19 00-0351	SET	30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	334.00	43.59
08 38 19 00-0352	SET	36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	382.40	43.59
08 38 19 00-0353	SET	42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	441.55	43.59
08 38 19 00-0354	SET	48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	495.33	43.59
<b>08 38 19 00-0355</b>	<b>30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08</b>			
	<small>38 19 00-0342)</small>			
08 38 19 00-0356	SET	24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	323.24	43.59
08 38 19 00-0357	SET	30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	387.78	43.59
08 38 19 00-0358	SET	36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	446.93	43.59
08 38 19 00-0359	SET	42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	508.78	43.59
08 38 19 00-0360	SET	48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	581.38	43.59
<b>08 38 19 00-0361</b>	<b>36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08</b>			
	<small>38 19 00-0342)</small>			
08 38 19 00-0362	SET	24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	371.64	43.59
08 38 19 00-0363	SET	30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	441.55	43.59
08 38 19 00-0364	SET	36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	522.22	43.59
08 38 19 00-0365	SET	42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	600.20	43.59
08 38 19 00-0366	SET	48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	667.43	43.59
<b>08 38 19 00-0367</b>	<b>48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08</b>			
	<small>38 19 00-0342)</small>			
08 38 19 00-0368	SET	24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	457.69	43.59
08 38 19 00-0369	SET	30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	624.40	43.59
08 38 19 00-0370	SET	36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	667.43	43.59
08 38 19 00-0371	SET	42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	796.50	43.59
08 38 19 00-0372	SET	48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	871.79	43.59
<b>08 38 19 00-0373</b>	<b>One Galvanized And One Stainless Steel, 18 Gauge Base Plates For</b>			
	<b>Impact Traffic Doors (08 38 19 00-0310)</b>			
<b>08 38 19 00-0374</b>	<b>12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates</b>			
	<b>For Impact Traffic Doors (08 38 19 00-0373)</b>			
08 38 19 00-0375	SET	24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	188.79	43.59
08 38 19 00-0376	SET	30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	202.24	43.59
08 38 19 00-0377	SET	36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	218.37	43.59
08 38 19 00-0378	SET	42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	237.19	43.59
08 38 19 00-0379	SET	48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	266.77	43.59
<b>08 38 19 00-0380</b>	<b>24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates</b>			
	<b>For Impact Traffic Doors (08 38 19 00-0373)</b>			
08 38 19 00-0381	SET	24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	247.95	43.59
08 38 19 00-0382	SET	30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	280.22	43.59
08 38 19 00-0383	SET	36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	312.49	43.59
08 38 19 00-0384	SET	42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	347.44	43.59
08 38 19 00-0385	SET	48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	387.78	43.59
<b>08 38 19 00-0386</b>	<b>30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates</b>			
	<b>For Impact Traffic Doors (08 38 19 00-0373)</b>			
08 38 19 00-0387	SET	24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	280.22	43.59
08 38 19 00-0388	SET	30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	320.55	43.59
08 38 19 00-0389	SET	36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	366.26	43.59
08 38 19 00-0390	SET	42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	422.73	43.59
08 38 19 00-0391	SET	48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	460.38	43.59
<b>08 38 19 00-0392</b>	<b>36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates</b>			
	<b>For Impact Traffic Doors (08 38 19 00-0373)</b>			
08 38 19 00-0393	SET	24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	312.49	43.59
08 38 19 00-0394	SET	30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	366.26	43.59
08 38 19 00-0395	SET	36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	422.73	43.59
08 38 19 00-0396	SET	42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	479.20	43.59
08 38 19 00-0397	SET	48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	519.53	43.59



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>08 38 19 00-0398</b>	<b>48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0373)</small>		
08 38 19 00-0399	SET 24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	387.78	43.59
08 38 19 00-0400	SET 30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	471.13	43.59
08 38 19 00-0401	SET 36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	519.53	43.59
08 38 19 00-0402	SET 42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	616.34	43.59
08 38 19 00-0403	SET 48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	643.23	43.59
<b>08 38 19 00-0404</b>	<b>Jamb Guards For Impact Traffic Doors</b> <small>(08 38 19 00-0267)</small>		
08 38 19 00-0405	EA 3" x 9", Jamb Guard For Impact Traffic Doors .....	256.15	54.48
08 38 19 00-0406	EA 5" x 18", Jamb Guard For Impact Traffic Doors .....	336.82	54.48
08 38 19 00-0407	EA 5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors.....	632.60	54.48
<b>08 38 19 00-0408</b>	<b>Other Impact Traffic Door Accessories</b> <small>(08 38 19 00-0267)</small>		
08 38 19 00-0409	EA Push Plate For Impact Traffic Doors.....	70.26	27.24
08 38 19 00-0410	EA Pull Handle For Impact Traffic Doors.....	89.09	27.24
08 38 19 00-0411	EA Deadbolt Lock For Impact Traffic Doors .....	204.71	27.24
08 38 19 00-0412	PR Lock Hole Reinforcements For Impact Traffic Doors .....	253.11	27.24
08 38 19 00-0413	PR Padlock Brackets For Impact Traffic Doors.....	107.91	27.24
<b>08 38 19 00-0414</b>	<b>Impact Traffic Door Knock Down Frames</b> <small>(08 38 19)</small>		
	Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
<b>08 38 19 00-0415</b>	<b>Single Door, Impact Traffic Door Knock Down Frames</b> <small>(08 38 19 00-0414)</small>		
<b>08 38 19 00-0416</b>	<b>84" Height, Single Door, Impact Traffic Door Knock Down Frames</b> <small>(08 38 19 00-0415)</small>		
08 38 19 00-0417	EA 24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	643.73	81.73
08 38 19 00-0418	EA 28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	751.56	89.90
08 38 19 00-0419	EA 30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	771.60	95.35
08 38 19 00-0420	EA 32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	795.93	103.52
08 38 19 00-0421	EA 36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	817.13	108.97
08 38 19 00-0422	EA 40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	852.68	114.42
08 38 19 00-0423	EA 42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	880.09	119.87
08 38 19 00-0424	EA 44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	900.02	125.32
<b>08 38 19 00-0425</b>	<b>90" Height, Single Door, Impact Traffic Door Knock Down Frames</b> <small>(08 38 19 00-0415)</small>		
08 38 19 00-0426	EA 24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	655.73	81.73
08 38 19 00-0427	EA 28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	765.84	89.90
08 38 19 00-0428	EA 30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	786.12	95.35
08 38 19 00-0429	EA 32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	810.65	103.52
08 38 19 00-0430	EA 36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	832.11	108.97
08 38 19 00-0431	EA 40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	868.27	114.42
08 38 19 00-0432	EA 42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	896.09	119.87
08 38 19 00-0433	EA 44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	916.26	125.32
<b>08 38 19 00-0434</b>	<b>96" Height, Single Door, Impact Traffic Door Knock Down Frames</b> <small>(08 38 19 00-0415)</small>		
08 38 19 00-0435	EA 24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	671.67	81.73
08 38 19 00-0436	EA 28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	784.82	89.90
08 38 19 00-0437	EA 30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	805.40	95.35
08 38 19 00-0438	EA 32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	825.48	103.52
08 38 19 00-0439	EA 36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	852.00	108.97
08 38 19 00-0440	EA 40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	883.87	114.42
08 38 19 00-0441	EA 42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	917.36	119.87
08 38 19 00-0442	EA 44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	939.01	122.59
<b>08 38 19 00-0443</b>	<b>Double Door, Impact Traffic Door Knock Down Frames</b> <small>(08 38 19 00-0414)</small>		
<b>08 38 19 00-0444</b>	<b>84" Height, Double Door, Impact Traffic Door Knock Down Frames</b> <small>(08 38 19 00-0443)</small>		
08 38 19 00-0445	EA 48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	913.87	125.32
08 38 19 00-0446	EA 56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	930.23	127.50
08 38 19 00-0447	EA 60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	947.63	130.77
08 38 19 00-0448	EA 64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	973.98	136.22
08 38 19 00-0449	EA 72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	992.27	141.67
08 38 19 00-0450	EA 80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,022.42	142.76
08 38 19 00-0451	EA 84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,043.47	144.39
08 38 19 00-0452	EA 88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,069.53	147.12
<b>08 38 19 00-0453</b>	<b>90" Height, Double Door, Impact Traffic Door Knock Down Frames</b> <small>(08 38 19 00-0443)</small>		
08 38 19 00-0454	EA 48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	930.43	125.32
08 38 19 00-0455	EA 56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	947.03	127.50
08 38 19 00-0456	EA 60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	964.78	130.77
08 38 19 00-0457	EA 64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	991.51	136.22
08 38 19 00-0458	EA 72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,010.02	141.67



<b>Openings</b>	<b>08</b>
<b>Specialty Doors and Frames</b>	<b>08 30</b>
<b>Traffic Doors</b>	<b>08 38</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0459	EA		80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,040.84	142.76
08 38 19 00-0460	EA		84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,062.34	144.39
08 38 19 00-0461	EA		88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,088.92	147.12
<b>08 38 19 00-0462</b>			<b>96" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)</b>		
08 38 19 00-0463	EA		48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	949.77	125.32
08 38 19 00-0464	EA		56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	963.81	127.50
08 38 19 00-0465	EA		60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	987.56	130.77
08 38 19 00-0466	EA		64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,009.04	136.22
08 38 19 00-0467	EA		72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,033.55	141.67
08 38 19 00-0468	EA		80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,067.99	142.76
08 38 19 00-0469	EA		84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,087.40	144.39
08 38 19 00-0470	EA		88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,112.81	147.12

## 08 40 Entrances, Storefronts, and Curtain Walls (08)

### 08 42 Entrances (08 40)

#### 08 42 13 Aluminum-Framed Entrances (08 42)

##### 08 42 13 00-0001 Aluminum Framed Entrance Doors (08 42 13)

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. See CSI section 08 71 11 00-2122 for exit device, 08 71 11 00-2274 for closer.

08 42 13 00-0002	EA		3' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors.....	4,945.17	678.16
			Note: Including Glazing, Trim And Hardware		
			For 8' High Door, Add	451.77	
			For 10' High Door, Add	982.11	
			For 1" Insulated Glazing, Add	85.77	
08 42 13 00-0003	EA		3'-6" x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors .....	4,970.62	678.16
			Note: Including Glazing, Trim And Hardware		
			For 8' High Door, Add	454.70	
			For 10' High Door, Add	988.47	
			For 1" Insulated Glazing, Add	85.77	
08 42 13 00-0004	PR		6' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors.....	8,328.79	1,017.04
			Note: Including Glazing, Trim And Hardware		
			For 8' High Door, Add	782.77	
			For 10' High Door, Add	1,701.68	
			For 1" Insulated Glazing, Add	171.54	
08 42 13 00-0005	PR		7' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors.....	9,581.22	1,017.04
			Note: Including Glazing, Trim And Hardware		
			For 8' High Door, Add	926.80	
			For 10' High Door, Add	2,014.79	
			For 1" Insulated Glazing, Add	171.54	
08 42 13 00-0006	EA		3' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors .....	5,479.74	678.16
			Note: Including Glazing, Trim And Hardware		
			For 8' High Door, Add	513.25	
			For 10' High Door, Add	1,115.75	
			For 1" Insulated Glazing, Add	85.77	
08 42 13 00-0007	EA		3'-6" x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors.....	5,538.29	678.16
			Note: Including Glazing, Trim And Hardware		
			For 8' High Door, Add	519.98	
			For 10' High Door, Add	1,130.39	
			For 1" Insulated Glazing, Add	85.77	
08 42 13 00-0008	PR		6' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors .....	9,339.39	1,017.04
			Note: Including Glazing, Trim And Hardware		
			For 8' High Door, Add	898.99	
			For 10' High Door, Add	1,954.33	
			For 1" Insulated Glazing, Add	171.54	
08 42 13 00-0009	PR		7' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors .....	10,562.31	1,017.04
			Note: Including Glazing, Trim And Hardware		
			For 8' High Door, Add	1,039.63	
			For 10' High Door, Add	2,260.06	
			For 1" Insulated Glazing, Add	171.54	

#### 08 42 26 All-Glass Entrances (08 42)

##### 08 42 26 00-0001 Full Glass Entrance Doors (08 42 26)

Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.

08 42 26 00-0002	EA		3' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door.....	4,559.56	254.19
			Note: Including Trim And Hardware		
			For Anodized Color, Add	637.71	
			For Stainless Steel, Add	2,302.83	
			For 8' High Door, Add	407.42	
			For 10' High Door, Add	885.71	
			For 1" Insulated Glazing, Add	85.77	

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 26 00-0003	PR		6' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1/2") .....	8,141.76	305.02
			Note: Including Trim And Hardware		
			For Anodized Color, Add	1,204.07	
			For Stainless Steel, Add	4,348.03	
			For 8' High Door, Add	769.27	
			For 10' High Door, Add	1,672.32	
			For 1" Insulated Glazing, Add	171.54	
08 42 26 00-0004	EA		3' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door.....	5,197.81	254.19
			Note: Including Trim And Hardware		
			For Anodized Color, Add	752.59	
			For Stainless Steel, Add	2,717.70	
			For 8' High Door, Add	480.82	
			For 10' High Door, Add	1,045.27	
			For 1" Insulated Glazing, Add	85.77	
08 42 26 00-0005	PR		6' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 5/8") .....	9,515.98	305.02
			Note: Including Trim And Hardware		
			For Anodized Color, Add	1,451.43	
			For Stainless Steel, Add	5,241.28	
			For 8' High Door, Add	927.30	
			For 10' High Door, Add	2,015.88	
			For 1" Insulated Glazing, Add	171.54	
08 42 26 00-0006	EA		3' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door.....	5,833.57	254.19
			Note: Including Trim And Hardware		
			For Anodized Color, Add	867.03	
			For Stainless Steel, Add	3,130.94	
			For 8' High Door, Add	553.94	
			For 10' High Door, Add	1,204.21	
			For 1" Insulated Glazing, Add	85.77	
08 42 26 00-0007	PR		6' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 3/4") .....	10,887.94	305.02
			Note: Including Trim And Hardware		
			For Anodized Color, Add	1,698.38	
			For Stainless Steel, Add	6,133.05	
			For 8' High Door, Add	1,085.08	
			For 10' High Door, Add	2,358.87	
			For 1" Insulated Glazing, Add	171.54	
08 42 26 00-0008	EA		3' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door.....	7,107.55	254.19
			Note: Including Trim And Hardware		
			For Anodized Color, Add	1,096.35	
			For Stainless Steel, Add	3,959.03	
			For 8' High Door, Add	700.44	
			For 10' High Door, Add	1,522.70	
			For 1" Insulated Glazing, Add	85.77	
08 42 26 00-0009	PR		6' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1") .....	13,634.11	305.02
			Note: Including Trim And Hardware		
			For Anodized Color, Add	2,192.69	
			For Stainless Steel, Add	7,918.06	
			For 8' High Door, Add	1,400.89	
			For 10' High Door, Add	3,045.41	
			For 1" Insulated Glazing, Add	171.54	
08 42 26 00-0010			<b>Frames For Full Glass Doors</b> <small>(08 42 26)</small>		
08 42 26 00-0011	LF		Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head.....	24.47	3.05
08 42 26 00-0012	LF		Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head .....	31.72	4.06
<b>08 42 29</b>			<b>Automatic Entrances</b> <small>(08 42)</small>		
<b>08 42 29 23</b>			<b>Sliding Automatic Entrances</b> <small>(08 42 29)</small>		
			Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can break-out in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 42 29 23-0001			<b>Bronze Finished Framed Sliding Automatic Entrances</b> <small>(08 42 29 23)</small>		
08 42 29 23-0002			<b>2 Panel, Bronze Finished Framed Sliding Automatic Entrance</b> <small>(08 42 29 23-0001)</small>		
			Note: Single sliding.		
08 42 29 23-0003	EA		5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,103.24	101.67
			For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	142.49	
			For Emergency Egress On All Panels, Add	379.98	
08 42 29 23-0004	EA		6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,344.44	137.26
			For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	155.24	
			For Emergency Egress On All Panels, Add	413.98	
08 42 29 23-0005	EA		7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,551.27	152.52
			For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	168.47	
			For Emergency Egress On All Panels, Add	449.25	
08 42 29 23-0006	EA		8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,752.43	167.77
			For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	181.27	
			For Emergency Egress On All Panels, Add	483.38	
08 42 29 23-0007	EA		10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	3,611.50	203.35
			For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	240.36	
			For Emergency Egress On All Panels, Add	640.96	
08 42 29 23-0008	EA		12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	3,758.32	238.93
			For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	246.03	
			For Emergency Egress On All Panels, Add	656.09	
08 42 29 23-0009	EA		15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	5,011.08	274.52
			For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	334.65	
			For Emergency Egress On All Panels, Add	892.41	



	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0010		<b>4 Panel, Bronze Finished Framed Sliding Automatic Entrance</b> (08 42 29 23-0001) Note: Bi-parting.		
08 42 29 23-0011	EA	12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	4,226.52 278.86 743.63	254.19
08 42 29 23-0012	EA	14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	4,634.44 305.64 815.05	279.60
08 42 29 23-0013	EA	16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	5,042.34 332.42 886.46	305.02
08 42 29 23-0014	EA	18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	6,085.50 406.85 1,084.92	330.44
08 42 29 23-0015	EA	20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	7,128.65 481.27 1,283.39	355.75
08 42 29 23-0016		<b>Aluminum Finished Framed Sliding Automatic Entrances</b> (08 42 29 23)		
08 42 29 23-0017		<b>2 Panel, Aluminum Finished Framed Sliding Automatic Entrance</b> (08 42 29 23-0016) Note: Single sliding.		
08 42 29 23-0018	EA	5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	1,924.25 129.07 344.18	101.67
08 42 29 23-0019	EA	6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	2,149.45 140.62 374.99	137.26
08 42 29 23-0020	EA	7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	2,336.38 152.35 406.27	152.52
08 42 29 23-0021	EA	8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	2,524.73 164.19 437.84	167.77
08 42 29 23-0022	EA	9'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	2,917.16 190.95 509.21	185.56
08 42 29 23-0023	EA	10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,309.60 217.72 580.58	203.35
08 42 29 23-0024	EA	12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,449.27 222.86 594.28	238.93
08 42 29 23-0025	EA	15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	4,590.76 303.13 808.34	274.52
08 42 29 23-0026		<b>4 Panel, Aluminum Finished Framed Sliding Automatic Entrance</b> (08 42 29 23-0016) Note: Bi-parting.		
08 42 29 23-0027	EA	10'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,682.45 239.96 639.90	241.48
08 42 29 23-0028	EA	12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,876.26 252.59 673.58	254.19
08 42 29 23-0029	EA	14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	4,250.52 276.85 738.26	279.60
08 42 29 23-0030	EA	16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	4,624.77 301.10 802.95	305.02
08 42 29 23-0031	EA	18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	5,574.46 368.52 982.72	330.44
08 42 29 23-0032	EA	20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	6,524.16 435.93 1,162.49	355.75
08 42 29 23-0033		<b>Stainless Steel Framed Sliding Automatic Entrances</b> (08 42 29 23)		
08 42 29 23-0034		<b>2 Panel, Stainless Steel Framed Sliding Automatic Entrance</b> (08 42 29 23-0033) Note: Single sliding.		
08 42 29 23-0035	EA	5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	2,405.75 165.18 440.48	101.67
08 42 29 23-0036	EA	6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	2,674.05 179.96 479.91	137.26

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0037	EA		7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,106.77 210.13 560.35	152.52
08 42 29 23-0038	EA		8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,563.91 242.13 645.68	167.77
08 42 29 23-0039	EA		10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,121.83 278.63 743.03	203.35
08 42 29 23-0040	EA		12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,280.67 285.21 760.56	238.93
08 42 29 23-0041	EA		15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,721.63 387.94 1,034.52	274.52
<b>08 42 29 23-0042</b>			<b>4 Panel, Stainless Steel Framed Sliding Automatic Entrance</b> (08 42 29 23-0033) Note: Bi-parting.		
08 42 29 23-0043	EA		12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,818.60 323.27 862.05	254.19
08 42 29 23-0044	EA		14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,283.35 354.31 944.83	279.60
08 42 29 23-0045	EA		16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,748.10 385.35 1,027.61	305.02
08 42 29 23-0046	EA		18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	6,949.29 471.63 1,257.68	330.44
08 42 29 23-0047	EA		20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	8,150.48 557.91 1,487.75	355.86
<b>08 42 29 23-0048</b>			<b>Accessories For Sliding Automatic Entrances</b> (08 42 29 23) See CSI section 08 42 29 33-0006 for eye operators.		
08 42 29 23-0049	EA		Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls..... Note: Includes motor for pair of sliding doors (2 panels).	5,485.93	1,089.73
08 42 29 23-0050	EA		Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls..... Note: Includes motor for pair of sliding doors (4 panel).	9,135.50	1,634.59
<b>08 42 29 23-0051</b>			<b>Automatic Sliding Door System</b> (08 42 29 23)		
08 42 29 23-0052	SF		Entrance Technology Automatic Sliding Door System, #2000.....	137.69	10.90
08 42 29 23-0053	SF		Entrance Technology Automatic Sliding Door System, #2010.....	144.94	10.90
08 42 29 23-0054	SF		Entrance Technology Automatic Sliding Door System, #2020.....	152.18	10.90
08 42 29 23-0055	SF		Entrance Technology Automatic Sliding Door System, #2030.....	166.67	10.90
<b>08 42 29 33</b>			<b>Swinging Automatic Entrances</b> (08 42 29) Note: Excludes glazing.		
<b>08 42 29 33-0001</b>			<b>Swing Door Operators, Up To 350 LB Panel Weight</b> (08 42 29 33) Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.		
08 42 29 33-0002	EA		Concealed Single Door Swing Door Operator, Up To 350 LB Panel..... Note: For new storefront or existing concealed operator installations.	3,979.31	521.56
08 42 29 33-0003	EA		Concealed Pair Of Doors Swing Door Operator, Up To 350 LB Panel..... Note: For new storefront or existing concealed operator installations.	6,916.13	695.45
08 42 29 33-0004	EA		Exposed Single Door Swing Door Operator, Up To 350 LB Panel.....	3,314.80	417.24
08 42 29 33-0005	EA		Exposed Pair Of Doors Swing Door Operator, Up To 350 LB Panel.....	6,003.17	625.87
<b>08 42 29 33-0006</b>			<b>Activation Devices For Door Operators</b> (08 42 29 33)		
08 42 29 33-0007	EA		Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97)..... Note: Includes wiring harness and relays.	424.67	41.73
08 42 29 33-0008	EA		On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS)..... Note: Includes wiring harness and relays.	376.30	41.73
08 42 29 33-0009	EA		Microwave Motion Sensor For Door Operator (MS Sedco D38)..... Note: Includes wiring harness and relays.	380.15	41.73
08 42 29 33-0010	EA		4" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59-H)..... Note: Excludes wiring from operator to push plate.	180.98	41.73
08 42 29 33-0011	EA		1-1/2" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59J-H)..... Note: Excludes wiring from operator to push button.	195.15	41.73
08 42 29 33-0012	EA		1-1/16" x 4-1/2", Jamb Mounted Push Button For Door Operator (MS Sedco 425)..... Note: Excludes wiring from operator to push button.	125.93	41.73
08 42 29 33-0013	EA		Radio Control System For Door Operator (MS Sedco Clearpath)..... Note: Includes receiver and two push plate transmitters.	637.83	104.31
08 42 29 33-0014	EA		Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision)..... Note: Includes wiring harness and relays.	921.43 -64.00	52.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 33-0015 EA Guard Rail For Door With Operator .....	229.69	52.15
<b>08 42 33 Revolving Door Entrances (08 42)</b>		
<b>08 42 33 00-0001 Aluminum Revolving Doors (08 42 33)</b>		
Note: Includes 3/4" tempered glass.		
08 42 33 00-0002 EA 4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware.....	37,179.06	5,998.96
For Automatic Controls, Add	8,149.46	
For Powder Coated, Add	1,441.80	
08 42 33 00-0003 EA 5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware.....	50,369.91	8,998.58
For Automatic Controls, Add	9,799.19	
For Powder Coated, Add	1,811.78	
08 42 33 00-0004 EA 6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware.....	76,287.83	10,798.24
For Automatic Controls, Add	10,789.03	
For Powder Coated, Add	3,204.00	
08 42 33 00-0005 EA 4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware.....	41,368.75	6,598.80
For Automatic Controls, Add	8,486.14	
For Powder Coated, Add	1,614.66	
08 42 33 00-0006 EA 5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware.....	55,756.79	9,898.74
For Automatic Controls, Add	10,249.12	
For Powder Coated, Add	2,029.00	
08 42 33 00-0007 EA 6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware.....	85,196.99	11,878.05
For Automatic Controls, Add	11,448.92	
For Powder Coated, Add	3,588.12	
<b>08 42 33 00-0008 Stainless Steel Revolving Doors (08 42 33)</b>		
Note: Includes 3/4" tempered glass.		
08 42 33 00-0009 EA 4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware.....	38,134.82	5,998.96
For Automatic Controls, Add	8,149.46	
08 42 33 00-0010 EA 5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware .....	51,570.93	8,998.58
For Automatic Controls, Add	9,799.19	
08 42 33 00-0011 EA 6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware .....	78,411.73	10,798.24
For Automatic Controls, Add	10,789.03	
08 42 33 00-0012 EA 4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware.....	42,441.64	6,598.80
For Automatic Controls, Add	8,486.14	
08 42 33 00-0013 EA 5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware .....	57,105.00	9,898.74
For Automatic Controls, Add	10,249.12	
08 42 33 00-0014 EA 6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware .....	87,581.19	11,878.05
For Automatic Controls, Add	11,448.92	
<b>08 42 33 00-0015 Bronze Revolving Doors (08 42 33)</b>		
Note: Includes 3/4" tempered glass.		
08 42 33 00-0016 EA 4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware .....	34,764.23	5,998.96
For Automatic Controls, Add	8,149.46	
08 42 33 00-0017 EA 5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware .....	47,335.40	8,998.58
For Automatic Controls, Add	9,799.19	
08 42 33 00-0018 EA 6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware .....	70,921.53	10,798.24
For Automatic Controls, Add	10,789.03	
08 42 33 00-0019 EA 4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware .....	38,666.58	6,598.80
For Automatic Controls, Add	8,486.14	
08 42 33 00-0020 EA 5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware .....	52,361.21	9,898.74
For Automatic Controls, Add	10,249.12	
08 42 33 00-0021 EA 6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware .....	79,192.16	11,878.05
For Automatic Controls, Add	11,448.92	
<b>08 42 36 Balanced Door Entrances (08 42)</b>		
<b>08 42 36 00-0001 Balanced Doors, With Glass (08 42 36)</b>		
Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.		
08 42 36 00-0002 EA 2'-6" x 7'-0" Balanced Door, Stainless Steel .....	23,430.27	305.52
For Bronze Instead Of Stainless Steel, Deduct	-5,666.55	
For 70% Fluoropolymer Exterior Finish (Duramar), Add	2,266.62	
For Tinted Glass, Add	1,133.31	
For Aluminum, Painted Finish, Deduct	-6,799.86	
08 42 36 00-0003 EA 3'-0" x 7'-0" Balanced Door, Stainless Steel .....	24,350.75	305.52
For Bronze Instead Of Stainless Steel, Deduct	-5,896.67	
For 70% Fluoropolymer Exterior Finish (Duramar), Add	2,358.67	
For Tinted Glass, Add	1,179.33	
For Aluminum, Painted Finish, Deduct	-7,076.01	
08 42 36 00-0004 EA 3'-6" x 7'-0" Balanced Door, Stainless Steel .....	26,586.35	305.52
For Bronze Instead Of Stainless Steel, Deduct	-6,455.57	
For 70% Fluoropolymer Exterior Finish (Duramar), Add	2,582.23	
For Tinted Glass, Add	1,291.11	
For Aluminum, Painted Finish, Deduct	-7,746.69	
08 42 36 00-0005 EA 4'-0" x 7'-0" Balanced Door, Stainless Steel .....	29,216.52	305.52
For Bronze Instead Of Stainless Steel, Deduct	-7,113.12	
For 70% Fluoropolymer Exterior Finish (Duramar), Add	2,845.25	
For Tinted Glass, Add	1,422.62	
For Aluminum, Painted Finish, Deduct	-8,535.74	

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 36 00-0006 PR Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel <i>For Bronze Instead Of Stainless Steel, Deduct</i> <i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i> <i>For Tinted Glass, Add</i> <i>For Aluminum, Painted Finish, Deduct</i>	48,625.15 -11,793.36 4,717.34 2,358.67 -14,152.03	580.68
<b>08 43 Storefronts</b> <small>(08 40)</small>		
<b>08 43 13 Aluminum-Framed Storefronts</b> <small>(08 43)</small>		
<b>08 43 13 00-0001 Aluminum Storefront Framing Assembly</b> <small>(08 43 13)</small> Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 23-0012 for tempered glazing, 08 81 23 23-0045 for laminated glazing, 08 81 23 23-0051 for insulated glazing.		
<b>08 43 13 00-0002 1-3/4" x 4-1/2" Frame, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0003 SF 5' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	25.90 0.87 2.62	7.46
08 43 13 00-0004 SF 6' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	23.27 0.78 2.35	6.72
08 43 13 00-0005 SF 7' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	21.39 0.72 2.16	6.19
08 43 13 00-0006 SF 8' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	20.00 0.67 2.02	5.80
08 43 13 00-0007 SF 9' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	18.90 0.63 1.90	5.49
08 43 13 00-0008 SF 10' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	18.03 0.60 1.81	5.24
08 43 13 00-0009 SF 11' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	17.31 0.58 1.74	5.04
08 43 13 00-0010 SF 12' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	16.71 0.56 1.68	4.87
<b>08 43 13 00-0011 1-3/4" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0012 SF 5' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	33.80 1.14 3.43	9.76
08 43 13 00-0013 SF 6' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	29.81 1.01 3.02	8.64
08 43 13 00-0014 SF 7' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	27.09 0.91 2.74	7.83
08 43 13 00-0015 SF 8' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	24.98 0.84 2.52	7.22
08 43 13 00-0016 SF 9' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	23.33 0.78 2.35	6.71
08 43 13 00-0017 SF 10' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	21.97 0.74 2.22	6.40
08 43 13 00-0018 SF 11' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	20.95 0.70 2.11	6.10
08 43 13 00-0019 SF 12' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	20.04 0.67 2.01	5.80





	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 43 13 00-0020	<b>1-3/4" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0021	SF 5' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	41.71	11.99
	<i>For Various Color Class I Anodized Finish, Add</i>	1.41	
	<i>For Black Color Class I Anodized Finish, Add</i>	4.23	
08 43 13 00-0022	SF 6' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	36.49	10.47
	<i>For Various Color Class I Anodized Finish, Add</i>	1.23	
	<i>For Black Color Class I Anodized Finish, Add</i>	3.69	
08 43 13 00-0023	SF 7' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	32.72	9.45
	<i>For Various Color Class I Anodized Finish, Add</i>	1.10	
	<i>For Black Color Class I Anodized Finish, Add</i>	3.31	
08 43 13 00-0024	SF 8' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.89	8.64
	<i>For Various Color Class I Anodized Finish, Add</i>	1.01	
	<i>For Black Color Class I Anodized Finish, Add</i>	3.02	
08 43 13 00-0025	SF 9' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	27.64	8.03
	<i>For Various Color Class I Anodized Finish, Add</i>	0.93	
	<i>For Black Color Class I Anodized Finish, Add</i>	2.80	
08 43 13 00-0026	SF 10' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.93	7.52
	<i>For Various Color Class I Anodized Finish, Add</i>	0.87	
	<i>For Black Color Class I Anodized Finish, Add</i>	2.62	
08 43 13 00-0027	SF 11' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.51	7.12
	<i>For Various Color Class I Anodized Finish, Add</i>	0.82	
	<i>For Black Color Class I Anodized Finish, Add</i>	2.47	
08 43 13 00-0028	SF 12' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.32	6.81
	<i>For Various Color Class I Anodized Finish, Add</i>	0.78	
	<i>For Black Color Class I Anodized Finish, Add</i>	2.35	
08 43 13 00-0029	<b>2" x 4-1/2" Frame, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0030	SF 5' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.69	7.83
	<i>For Various Color Class I Anodized Finish, Add</i>	0.89	
	<i>For Black Color Class I Anodized Finish, Add</i>	2.68	
08 43 13 00-0031	SF 6' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.99	7.02
	<i>For Various Color Class I Anodized Finish, Add</i>	0.80	
	<i>For Black Color Class I Anodized Finish, Add</i>	2.40	
08 43 13 00-0032	SF 7' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.95	6.51
	<i>For Various Color Class I Anodized Finish, Add</i>	0.73	
	<i>For Black Color Class I Anodized Finish, Add</i>	2.19	
08 43 13 00-0033	SF 8' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.50	6.10
	<i>For Various Color Class I Anodized Finish, Add</i>	0.68	
	<i>For Black Color Class I Anodized Finish, Add</i>	2.04	
08 43 13 00-0034	SF 9' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.33	5.69
	<i>For Various Color Class I Anodized Finish, Add</i>	0.64	
	<i>For Black Color Class I Anodized Finish, Add</i>	1.92	
08 43 13 00-0035	SF 10' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.50	5.49
	<i>For Various Color Class I Anodized Finish, Add</i>	0.61	
	<i>For Black Color Class I Anodized Finish, Add</i>	1.83	
08 43 13 00-0036	SF 11' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.66	5.29
	<i>For Various Color Class I Anodized Finish, Add</i>	0.58	
	<i>For Black Color Class I Anodized Finish, Add</i>	1.75	
08 43 13 00-0037	SF 12' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.10	5.08
	<i>For Various Color Class I Anodized Finish, Add</i>	0.56	
	<i>For Black Color Class I Anodized Finish, Add</i>	1.69	
08 43 13 00-0038	<b>2" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0039	SF 5' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	35.44	10.57
	<i>For Various Color Class I Anodized Finish, Add</i>	1.16	
	<i>For Black Color Class I Anodized Finish, Add</i>	3.49	
08 43 13 00-0040	SF 6' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	31.17	9.35
	<i>For Various Color Class I Anodized Finish, Add</i>	1.02	
	<i>For Black Color Class I Anodized Finish, Add</i>	3.07	

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 43 Storefronts**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 43 13 00-0041	SF	7' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	28.19	8.44
		<i>For Various Color Class I Anodized Finish, Add</i>	0.92	
		<i>For Black Color Class I Anodized Finish, Add</i>	2.77	
08 43 13 00-0042	SF	8' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.92	7.83
		<i>For Various Color Class I Anodized Finish, Add</i>	0.85	
		<i>For Black Color Class I Anodized Finish, Add</i>	2.54	
08 43 13 00-0043	SF	9' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.25	7.32
		<i>For Various Color Class I Anodized Finish, Add</i>	0.79	
		<i>For Black Color Class I Anodized Finish, Add</i>	2.37	
08 43 13 00-0044	SF	10' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.76	6.91
		<i>For Various Color Class I Anodized Finish, Add</i>	0.74	
		<i>For Black Color Class I Anodized Finish, Add</i>	2.23	
08 43 13 00-0045	SF	11' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.62	6.51
		<i>For Various Color Class I Anodized Finish, Add</i>	0.71	
		<i>For Black Color Class I Anodized Finish, Add</i>	2.12	
08 43 13 00-0046	SF	12' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.68	6.20
		<i>For Various Color Class I Anodized Finish, Add</i>	0.67	
		<i>For Black Color Class I Anodized Finish, Add</i>	2.02	
<b>08 43 13 00-0047</b>		<b>2" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>		
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0048	SF	5' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	42.84	12.61
		<i>For Various Color Class I Anodized Finish, Add</i>	1.43	
		<i>For Black Color Class I Anodized Finish, Add</i>	4.29	
08 43 13 00-0049	SF	6' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	37.43	10.98
		<i>For Various Color Class I Anodized Finish, Add</i>	1.25	
		<i>For Black Color Class I Anodized Finish, Add</i>	3.74	
08 43 13 00-0050	SF	7' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	33.52	9.86
		<i>For Various Color Class I Anodized Finish, Add</i>	1.11	
		<i>For Black Color Class I Anodized Finish, Add</i>	3.34	
08 43 13 00-0051	SF	8' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	30.65	9.05
		<i>For Various Color Class I Anodized Finish, Add</i>	1.02	
		<i>For Black Color Class I Anodized Finish, Add</i>	3.05	
08 43 13 00-0052	SF	9' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	28.35	8.34
		<i>For Various Color Class I Anodized Finish, Add</i>	0.94	
		<i>For Black Color Class I Anodized Finish, Add</i>	2.82	
08 43 13 00-0053	SF	10' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.51	7.83
		<i>For Various Color Class I Anodized Finish, Add</i>	0.88	
		<i>For Black Color Class I Anodized Finish, Add</i>	2.63	
08 43 13 00-0054	SF	11' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.07	7.42
		<i>For Various Color Class I Anodized Finish, Add</i>	0.83	
		<i>For Black Color Class I Anodized Finish, Add</i>	2.48	
08 43 13 00-0055	SF	12' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.76	7.12
		<i>For Various Color Class I Anodized Finish, Add</i>	0.79	
		<i>For Black Color Class I Anodized Finish, Add</i>	2.36	
<b>08 43 13 00-0056</b>		<b>2-1/2" x 5" Frame, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>		
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0057	SF	5' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	33.12	8.03
		<i>For Various Color Class I Anodized Finish, Add</i>	1.26	
		<i>For Black Color Class I Anodized Finish, Add</i>	3.78	
08 43 13 00-0058	SF	6' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.78	7.22
		<i>For Various Color Class I Anodized Finish, Add</i>	1.13	
		<i>For Black Color Class I Anodized Finish, Add</i>	3.40	
08 43 13 00-0059	SF	7' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	27.46	6.61
		<i>For Various Color Class I Anodized Finish, Add</i>	1.04	
		<i>For Black Color Class I Anodized Finish, Add</i>	3.13	
08 43 13 00-0060	SF	8' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.71	6.20
		<i>For Various Color Class I Anodized Finish, Add</i>	0.98	
		<i>For Black Color Class I Anodized Finish, Add</i>	2.93	
08 43 13 00-0061	SF	9' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.33	5.90
		<i>For Various Color Class I Anodized Finish, Add</i>	0.92	
		<i>For Black Color Class I Anodized Finish, Add</i>	2.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0062 SF 10' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.22	5.59
<i>For Various Color Class I Anodized Finish, Add</i>	0.88	
<i>For Black Color Class I Anodized Finish, Add</i>	2.64	
08 43 13 00-0063 SF 11' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.34	5.39
<i>For Various Color Class I Anodized Finish, Add</i>	0.85	
<i>For Black Color Class I Anodized Finish, Add</i>	2.54	
08 43 13 00-0064 SF 12' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.55	5.18
<i>For Various Color Class I Anodized Finish, Add</i>	0.82	
<i>For Black Color Class I Anodized Finish, Add</i>	2.45	
<b>08 43 13 00-0065 2-1/2" x 5" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>		
<small>Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.</small>		
08 43 13 00-0066 SF 5' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	43.74	10.78
<i>For Various Color Class I Anodized Finish, Add</i>	1.64	
<i>For Black Color Class I Anodized Finish, Add</i>	4.93	
08 43 13 00-0067 SF 6' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	38.63	9.56
<i>For Various Color Class I Anodized Finish, Add</i>	1.45	
<i>For Black Color Class I Anodized Finish, Add</i>	4.36	
08 43 13 00-0068 SF 7' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	35.04	8.64
<i>For Various Color Class I Anodized Finish, Add</i>	1.32	
<i>For Black Color Class I Anodized Finish, Add</i>	3.95	
08 43 13 00-0069 SF 8' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	32.33	7.93
<i>For Various Color Class I Anodized Finish, Add</i>	1.21	
<i>For Black Color Class I Anodized Finish, Add</i>	3.64	
08 43 13 00-0070 SF 9' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	30.20	7.42
<i>For Various Color Class I Anodized Finish, Add</i>	1.13	
<i>For Black Color Class I Anodized Finish, Add</i>	3.40	
08 43 13 00-0071 SF 10' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	28.53	7.02
<i>For Various Color Class I Anodized Finish, Add</i>	1.07	
<i>For Black Color Class I Anodized Finish, Add</i>	3.21	
08 43 13 00-0072 SF 11' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	27.16	6.71
<i>For Various Color Class I Anodized Finish, Add</i>	1.02	
<i>For Black Color Class I Anodized Finish, Add</i>	3.06	
08 43 13 00-0073 SF 12' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.93	6.40
<i>For Various Color Class I Anodized Finish, Add</i>	0.98	
<i>For Black Color Class I Anodized Finish, Add</i>	2.93	
<b>08 43 13 00-0074 2-1/2" x 5" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>		
<small>Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.</small>		
08 43 13 00-0075 SF 5' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	52.73	12.61
<i>For Various Color Class I Anodized Finish, Add</i>	2.02	
<i>For Black Color Class I Anodized Finish, Add</i>	6.07	
08 43 13 00-0076 SF 6' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	46.36	11.19
<i>For Various Color Class I Anodized Finish, Add</i>	1.77	
<i>For Black Color Class I Anodized Finish, Add</i>	5.31	
08 43 13 00-0077 SF 7' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	41.62	10.07
<i>For Various Color Class I Anodized Finish, Add</i>	1.59	
<i>For Black Color Class I Anodized Finish, Add</i>	4.76	
08 43 13 00-0078 SF 8' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	38.13	9.15
<i>For Various Color Class I Anodized Finish, Add</i>	1.45	
<i>For Black Color Class I Anodized Finish, Add</i>	4.36	
08 43 13 00-0079 SF 9' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	35.35	8.54
<i>For Various Color Class I Anodized Finish, Add</i>	1.35	
<i>For Black Color Class I Anodized Finish, Add</i>	4.04	
08 43 13 00-0080 SF 10' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	33.13	8.03
<i>For Various Color Class I Anodized Finish, Add</i>	1.26	
<i>For Black Color Class I Anodized Finish, Add</i>	3.79	
08 43 13 00-0081 SF 11' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	31.27	7.52
<i>For Various Color Class I Anodized Finish, Add</i>	1.19	
<i>For Black Color Class I Anodized Finish, Add</i>	3.58	

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 43 Storefronts**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0082 SF 12' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.80	7.22
For Various Color Class I Anodized Finish, Add	1.14	
For Black Color Class I Anodized Finish, Add	3.41	
<b>08 43 13 00-0083 Accessories For Aluminum Storefront Framing Assembly (08 43 13 00-0001)</b>		
08 43 13 00-0084 LF For 3/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	33.76	6.76
08 43 13 00-0085 LF For 1-1/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	38.48	7.44
08 43 13 00-0086 LF For 1-7/16" x 4-5/8" x 1/4" Steel Reinforcing, Storefront Framing.....	58.87	8.18
<b>08 43 19 Stainless-Steel-Framed Storefronts (08 43)</b>		
<b>08 43 19 00-0001 Stainless Steel Storefront Framing Assembly (08 43 19)</b>		
Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 81 23 23-0051 for insulated glazing.		
08 43 19 00-0002 SF Stainless Steel Storefront Framing Assembly.....	41.24	5.08
For 70% Fluoropolymer Exterior Finish (Duranar), Add	3.35	
<b>08 44 Curtain Wall and Glazed Assemblies (08 40)</b>		
<b>08 44 13 Glazed Aluminum Curtain Walls (08 44)</b>		
<b>08 44 13 00-0001 Curtain Walls (08 44 13)</b>		
<b>08 44 13 00-0002 Coping Sections (08 44 13 00-0001)</b>		
08 44 13 00-0003 LF Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section.....	48.71	3.05
For Bronze Anodized Aluminum, Add	4.63	
For Stainless Steel, Add	19.41	
For Black Anodized Finish, Add	8.33	
08 44 13 00-0004 LF Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section.....	50.36	3.05
For Bronze Anodized Aluminum, Add	4.88	
For Stainless Steel, Add	20.40	
For Black Anodized Finish, Add	8.78	
08 44 13 00-0005 LF Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section.....	60.82	4.06
For Bronze Anodized Aluminum, Add	5.79	
For Stainless Steel, Add	24.27	
For Black Anodized Finish, Add	10.42	
<b>08 44 13 00-0006 Sill Section (08 44 13 00-0001)</b>		
08 44 13 00-0007 LF Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section.....	39.34	2.04
For Bronze Anodized Aluminum, Add	4.02	
For Stainless Steel, Add	16.70	
For Black Anodized Finish, Add	7.23	
08 44 13 00-0008 LF Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section.....	42.20	2.04
For Bronze Anodized Aluminum, Add	4.45	
For Stainless Steel, Add	18.42	
For Black Anodized Finish, Add	8.01	
08 44 13 00-0009 LF Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section.....	45.09	2.04
For Bronze Anodized Aluminum, Add	4.88	
For Stainless Steel, Add	20.15	
For Black Anodized Finish, Add	8.79	
<b>08 44 13 00-0010 Aluminum Column Covers (08 44 13 00-0001)</b>		
Note: Includes all clips and fasteners.		
08 44 13 00-0011 LF Aluminum Column Covers, 1/8" x 26", Shaped.....	96.07	5.08
For Bronze Anodized Aluminum, Add	10.11	
For Stainless Steel, Add	41.89	
For Black Anodized Finish, Add	18.21	
08 44 13 00-0012 LF Aluminum Column Covers, 1/8" x 34", Shaped.....	116.44	5.08
For Bronze Anodized Aluminum, Add	12.91	
For Stainless Steel, Add	53.17	
For Black Anodized Finish, Add	23.24	
08 44 13 00-0013 LF Aluminum Column Covers, 1/8" x 38", Shaped.....	124.08	5.08
For Bronze Anodized Aluminum, Add	14.06	
For Stainless Steel, Add	57.76	
For Black Anodized Finish, Add	25.31	
<b>08 44 13 00-0014 Spandrel Covers (08 44 13 00-0001)</b>		
Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).		
08 44 13 00-0015 SF 1" Spandrel Cover, Aluminum Both Faces.....	37.80	2.04
For Bronze Anodized Aluminum, Add	4.39	
For Stainless Steel, Add	17.98	
For Black Anodized Finish, Add	7.90	
08 44 13 00-0016 SF 1" Spandrel Cover, Aluminum Exterior Face.....	33.46	2.04
For Bronze Anodized Aluminum, Add	3.74	
For Stainless Steel, Add	15.37	
For Black Anodized Finish, Add	6.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0017 SF 1" Spandrel Cover, Epoxy Both Faces.....	69.39	2.04
<i>For Bronze Anodized Aluminum, Add</i>	9.13	
<i>For Stainless Steel, Add</i>	36.93	
<i>For Black Anodized Finish, Add</i>	16.43	
08 44 13 00-0018 SF 1" Spandrel Cover, Epoxy Exterior Face Only.....	57.15	2.04
<i>For Bronze Anodized Aluminum, Add</i>	7.29	
<i>For Stainless Steel, Add</i>	29.59	
<i>For Black Anodized Finish, Add</i>	13.12	
08 44 13 00-0019 SF 2" Spandrel Cover, Aluminum Both Faces.....	42.84	2.04
<i>For Bronze Anodized Aluminum, Add</i>	4.81	
<i>For Stainless Steel, Add</i>	19.79	
<i>For Black Anodized Finish, Add</i>	8.66	
08 44 13 00-0020 SF 2" Spandrel Cover, Aluminum Exterior Face.....	38.73	2.04
<i>For Bronze Anodized Aluminum, Add</i>	4.20	
<i>For Stainless Steel, Add</i>	17.32	
<i>For Black Anodized Finish, Add</i>	7.55	
08 44 13 00-0021 SF 2" Spandrel Cover, Epoxy Both Faces.....	79.61	2.04
<i>For Bronze Anodized Aluminum, Add</i>	10.33	
<i>For Stainless Steel, Add</i>	41.85	
<i>For Black Anodized Finish, Add</i>	18.59	
08 44 13 00-0022 SF 2" Spandrel Cover, Epoxy Exterior Face Only.....	65.49	2.04
<i>For Bronze Anodized Aluminum, Add</i>	8.21	
<i>For Stainless Steel, Add</i>	33.38	
<i>For Black Anodized Finish, Add</i>	14.78	
<b>08 44 13 00-0023</b> <b>Curtain Wall, Aluminum System Framing Sections</b> <small>(08 44 13 00-0001)</small>		
Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.		
08 44 13 00-0024 LF Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls.....	53.49	2.04
<i>For Bronze Anodized Aluminum, Add</i>	6.81	
<i>For Stainless Steel, Add</i>	27.66	
<i>For Black Anodized Finish, Add</i>	12.26	
08 44 13 00-0025 LF Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls.....	53.33	2.04
<i>For Bronze Anodized Aluminum, Add</i>	6.81	
<i>For Stainless Steel, Add</i>	27.65	
<i>For Black Anodized Finish, Add</i>	12.26	
08 44 13 00-0026 LF Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls.....	53.33	2.04
<i>For Bronze Anodized Aluminum, Add</i>	6.81	
<i>For Stainless Steel, Add</i>	27.65	
<i>For Black Anodized Finish, Add</i>	12.26	
<i>For Corner Mullion, Add</i>	12.54	
08 44 13 00-0027 LF Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls.....	66.47	4.06
<i>For Bronze Anodized Aluminum, Add</i>	8.14	
<i>For Stainless Steel, Add</i>	33.17	
<i>For Black Anodized Finish, Add</i>	14.65	
08 44 13 00-0028 LF Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls.....	66.47	4.06
<i>For Bronze Anodized Aluminum, Add</i>	8.14	
<i>For Stainless Steel, Add</i>	33.17	
<i>For Black Anodized Finish, Add</i>	14.65	
08 44 13 00-0029 LF Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls.....	66.47	4.06
<i>For Bronze Anodized Aluminum, Add</i>	8.14	
<i>For Stainless Steel, Add</i>	33.17	
<i>For Black Anodized Finish, Add</i>	14.65	
<i>For Corner Mullion, Add</i>	15.40	
08 44 13 00-0030 LF Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls.....	73.04	4.48
<i>For Bronze Anodized Aluminum, Add</i>	8.92	
<i>For Stainless Steel, Add</i>	36.37	
<i>For Black Anodized Finish, Add</i>	16.06	
08 44 13 00-0031 LF Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls.....	73.04	4.48
<i>For Bronze Anodized Aluminum, Add</i>	8.92	
<i>For Stainless Steel, Add</i>	36.37	
<i>For Black Anodized Finish, Add</i>	16.06	
08 44 13 00-0032 LF Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls.....	73.04	4.48
<i>For Bronze Anodized Aluminum, Add</i>	8.92	
<i>For Stainless Steel, Add</i>	36.37	
<i>For Black Anodized Finish, Add</i>	16.06	
<i>For Corner Mullion, Add</i>	16.90	
08 44 13 00-0033 LF Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls.....	79.77	5.08
<i>For Bronze Anodized Aluminum, Add</i>	9.71	
<i>For Stainless Steel, Add</i>	39.58	
<i>For Black Anodized Finish, Add</i>	17.47	
08 44 13 00-0034 LF Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls.....	79.77	5.08
<i>For Bronze Anodized Aluminum, Add</i>	9.71	
<i>For Stainless Steel, Add</i>	39.58	
<i>For Black Anodized Finish, Add</i>	17.47	
08 44 13 00-0035 LF Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls.....	79.77	5.08
<i>For Bronze Anodized Aluminum, Add</i>	9.71	
<i>For Stainless Steel, Add</i>	39.58	
<i>For Black Anodized Finish, Add</i>	17.47	
<i>For Corner Mullion, Add</i>	18.44	
08 44 13 00-0036 LF Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls.....	89.42	5.49
<i>For Bronze Anodized Aluminum, Add</i>	10.95	
<i>For Stainless Steel, Add</i>	44.61	
<i>For Black Anodized Finish, Add</i>	19.70	

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 44 Curtain Wall and Glazed Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0037	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls .....	89.42	5.49
			<i>For Bronze Anodized Aluminum, Add</i>	10.95	
			<i>For Stainless Steel, Add</i>	44.61	
			<i>For Black Anodized Finish, Add</i>	19.70	
08 44 13 00-0038	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls .....	89.42	5.49
			<i>For Bronze Anodized Aluminum, Add</i>	10.95	
			<i>For Stainless Steel, Add</i>	44.61	
			<i>For Black Anodized Finish, Add</i>	19.70	
			<i>For Corner Mullion, Add</i>	20.71	
08 44 13 00-0039	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls .....	102.65	6.10
			<i>For Bronze Anodized Aluminum, Add</i>	12.57	
			<i>For Stainless Steel, Add</i>	51.22	
			<i>For Black Anodized Finish, Add</i>	22.62	
08 44 13 00-0040	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls .....	102.65	6.10
			<i>For Bronze Anodized Aluminum, Add</i>	12.57	
			<i>For Stainless Steel, Add</i>	51.22	
			<i>For Black Anodized Finish, Add</i>	22.62	
08 44 13 00-0041	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls .....	102.65	6.10
			<i>For Bronze Anodized Aluminum, Add</i>	12.57	
			<i>For Stainless Steel, Add</i>	51.22	
			<i>For Black Anodized Finish, Add</i>	22.62	
			<i>For Corner Mullion, Add</i>	23.78	

**08 45 Translucent Wall and Roof Assemblies** (08 40)**08 45 23 Fiberglass-Sandwich-Panel Assemblies** (08 45)**08 45 23 00-0001 Translucent Fiberglass Sandwich-Panels 2-3/4" Thick** (08 45 23)

08 45 23 00-0002	SF		<5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed .....	118.26	6.53
			<i>For Aluminum Frame, Add</i>	10.85	
08 45 23 00-0003	SF		>5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed .....	108.26	5.56
			<i>For Aluminum Frame, Add</i>	9.99	

**08 50 Windows** (08)

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

**08 51 Metal Windows** (08 50)**08 51 13 Aluminum Windows** (08 51)

See CSI section 08 80 00 00-0000 for glazing.

**08 51 13 00-0001 Aluminum Windows** (08 51 13)

Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.

**08 51 13 00-0002 Single Hung Aluminum Windows** (08 51 13 00-0001)**08 51 13 00-0003 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350)** (08 51 13 00-0002)

08 51 13 00-0004	EA		Up To 6 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350) .....	492.78	104.62
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.37	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	19.11	
			<i>For Clear Anodized Finish, Add</i>	15.92	
			<i>For Color Anodized Finish, Add</i>	22.29	
08 51 13 00-0005	EA		>6 To 10 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350) .....	552.83	111.15
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.35	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	22.05	
			<i>For Clear Anodized Finish, Add</i>	18.38	
			<i>For Color Anodized Finish, Add</i>	25.73	
08 51 13 00-0006	EA		>10 To 15 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350) .....	604.32	117.69
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.16	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	24.49	
			<i>For Clear Anodized Finish, Add</i>	20.41	
			<i>For Color Anodized Finish, Add</i>	28.57	
08 51 13 00-0007	EA		>15 To 20 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350) .....	647.27	124.23
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.80	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	26.41	
			<i>For Clear Anodized Finish, Add</i>	22.01	
			<i>For Color Anodized Finish, Add</i>	30.82	
08 51 13 00-0008	EA		>20 To 30 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350) .....	741.52	130.77
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.47	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	31.41	
			<i>For Clear Anodized Finish, Add</i>	26.18	
			<i>For Color Anodized Finish, Add</i>	36.65	
08 51 13 00-0009	SF		>30 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350) .....	24.00	3.93
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.35	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	1.05	
			<i>For Clear Anodized Finish, Add</i>	0.87	
			<i>For Color Anodized Finish, Add</i>	1.22	

**08 51 13 00-0010 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)** (08 51 13 00-0002)



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0011 EA Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) .....	528.15	104.62
For 50% Fluoropolymer Finish (Acrynar), Add	7.08	
For 70% Fluoropolymer Finish (Duranar), Add	21.23	
For Clear Anodized Finish, Add	17.69	
For Color Anodized Finish, Add	24.77	
08 51 13 00-0012 EA >6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) .....	593.67	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	8.17	
For 70% Fluoropolymer Finish (Duranar), Add	24.50	
For Clear Anodized Finish, Add	20.42	
For Color Anodized Finish, Add	28.59	
08 51 13 00-0013 EA >10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) .....	649.67	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	9.07	
For 70% Fluoropolymer Finish (Duranar), Add	27.21	
For Clear Anodized Finish, Add	22.68	
For Color Anodized Finish, Add	31.75	
08 51 13 00-0014 EA >15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) .....	696.19	124.23
For 50% Fluoropolymer Finish (Acrynar), Add	9.78	
For 70% Fluoropolymer Finish (Duranar), Add	29.35	
For Clear Anodized Finish, Add	24.46	
For Color Anodized Finish, Add	34.24	
08 51 13 00-0015 EA >20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) .....	799.69	130.77
For 50% Fluoropolymer Finish (Acrynar), Add	11.63	
For 70% Fluoropolymer Finish (Duranar), Add	34.90	
For Clear Anodized Finish, Add	29.09	
For Color Anodized Finish, Add	40.72	
08 51 13 00-0016 SF >30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) .....	25.94	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	0.39	
For 70% Fluoropolymer Finish (Duranar), Add	1.16	
For Clear Anodized Finish, Add	0.97	
For Color Anodized Finish, Add	1.36	
<b>08 51 13 00-0017 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) (08 51 13 00-0002)</b>		
08 51 13 00-0018 EA Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) .....	779.85	104.62
For 50% Fluoropolymer Finish (Acrynar), Add	12.11	
For 70% Fluoropolymer Finish (Duranar), Add	36.33	
For Clear Anodized Finish, Add	30.27	
For Color Anodized Finish, Add	42.38	
08 51 13 00-0019 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) .....	866.73	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	13.63	
For 70% Fluoropolymer Finish (Duranar), Add	40.89	
For Clear Anodized Finish, Add	34.07	
For Color Anodized Finish, Add	47.70	
08 51 13 00-0020 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) .....	939.36	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	14.86	
For 70% Fluoropolymer Finish (Duranar), Add	44.59	
For Clear Anodized Finish, Add	37.16	
For Color Anodized Finish, Add	52.02	
08 51 13 00-0021 EA >15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) .....	1,009.62	124.23
For 50% Fluoropolymer Finish (Acrynar), Add	16.05	
For 70% Fluoropolymer Finish (Duranar), Add	48.15	
For Clear Anodized Finish, Add	40.13	
For Color Anodized Finish, Add	56.18	
08 51 13 00-0022 EA >20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) .....	1,198.60	130.77
For 50% Fluoropolymer Finish (Acrynar), Add	19.61	
For 70% Fluoropolymer Finish (Duranar), Add	58.84	
For Clear Anodized Finish, Add	49.03	
For Color Anodized Finish, Add	68.65	
08 51 13 00-0023 SF >30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) .....	39.24	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	0.65	
For 70% Fluoropolymer Finish (Duranar), Add	1.96	
For Clear Anodized Finish, Add	1.64	
For Color Anodized Finish, Add	2.29	
<b>08 51 13 00-0024 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) (08 51 13 00-0002)</b>		
08 51 13 00-0025 EA Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) .....	822.59	104.62
For 50% Fluoropolymer Finish (Acrynar), Add	12.96	
For 70% Fluoropolymer Finish (Duranar), Add	38.89	
For Clear Anodized Finish, Add	32.41	
For Color Anodized Finish, Add	45.38	
08 51 13 00-0026 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) .....	926.09	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	14.82	
For 70% Fluoropolymer Finish (Duranar), Add	44.45	
For Clear Anodized Finish, Add	37.04	
For Color Anodized Finish, Add	51.86	
08 51 13 00-0027 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) .....	1,010.59	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	16.29	
For 70% Fluoropolymer Finish (Duranar), Add	48.87	
For Clear Anodized Finish, Add	40.72	
For Color Anodized Finish, Add	57.01	

**08 Openings**

08 50 Windows

08 51 Metal Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0028 EA >15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) .....	1,092.72	124.23
For 50% Fluoropolymer Finish (Acrynar), Add	17.71	
For 70% Fluoropolymer Finish (Duranar), Add	53.14	
For Clear Anodized Finish, Add	44.28	
For Color Anodized Finish, Add	62.00	
08 51 13 00-0029 EA >20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) .....	1,300.70	130.77
For 50% Fluoropolymer Finish (Acrynar), Add	21.66	
For 70% Fluoropolymer Finish (Duranar), Add	64.97	
For Clear Anodized Finish, Add	54.14	
For Color Anodized Finish, Add	75.79	
08 51 13 00-0030 SF >30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) .....	42.63	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	0.72	
For 70% Fluoropolymer Finish (Duranar), Add	2.17	
For Clear Anodized Finish, Add	1.80	
For Color Anodized Finish, Add	2.53	
<b>08 51 13 00-0031 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) (08 51 13 00-0002)</b>		
08 51 13 00-0032 EA Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) .....	903.32	104.62
For 50% Fluoropolymer Finish (Acrynar), Add	14.58	
For 70% Fluoropolymer Finish (Duranar), Add	43.74	
For Clear Anodized Finish, Add	36.45	
For Color Anodized Finish, Add	51.03	
08 51 13 00-0033 EA >6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) .....	1,037.69	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	17.05	
For 70% Fluoropolymer Finish (Duranar), Add	51.15	
For Clear Anodized Finish, Add	42.62	
For Color Anodized Finish, Add	59.67	
08 51 13 00-0034 EA >10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) .....	1,124.56	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	18.57	
For 70% Fluoropolymer Finish (Duranar), Add	55.70	
For Clear Anodized Finish, Add	46.42	
For Color Anodized Finish, Add	64.99	
08 51 13 00-0035 EA >15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) .....	1,206.70	124.23
For 50% Fluoropolymer Finish (Acrynar), Add	19.99	
For 70% Fluoropolymer Finish (Duranar), Add	59.98	
For Clear Anodized Finish, Add	49.98	
For Color Anodized Finish, Add	69.98	
08 51 13 00-0036 EA >20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) .....	1,398.06	130.77
For 50% Fluoropolymer Finish (Acrynar), Add	23.60	
For 70% Fluoropolymer Finish (Duranar), Add	70.81	
For Clear Anodized Finish, Add	59.01	
For Color Anodized Finish, Add	82.61	
08 51 13 00-0037 SF >30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) .....	45.88	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	0.79	
For 70% Fluoropolymer Finish (Duranar), Add	2.36	
For Clear Anodized Finish, Add	1.97	
For Color Anodized Finish, Add	2.75	
<b>08 51 13 00-0038 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL) (08 51 13 00-0002)</b>		
08 51 13 00-0039 EA Up To 6 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL) .....	1,085.55	104.62
For 50% Fluoropolymer Finish (Acrynar), Add	18.22	
For 70% Fluoropolymer Finish (Duranar), Add	54.67	
For Clear Anodized Finish, Add	45.56	
For Color Anodized Finish, Add	63.78	
08 51 13 00-0040 EA >6 To 10 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL) .....	1,250.79	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	21.31	
For 70% Fluoropolymer Finish (Duranar), Add	63.93	
For Clear Anodized Finish, Add	53.28	
For Color Anodized Finish, Add	74.59	
08 51 13 00-0041 EA >10 To 15 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL) .....	1,356.66	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	23.21	
For 70% Fluoropolymer Finish (Duranar), Add	69.63	
For Clear Anodized Finish, Add	58.03	
For Color Anodized Finish, Add	81.24	
08 51 13 00-0042 EA >15 To 20 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL) .....	1,456.62	124.23
For 50% Fluoropolymer Finish (Acrynar), Add	24.99	
For 70% Fluoropolymer Finish (Duranar), Add	74.97	
For Clear Anodized Finish, Add	62.48	
For Color Anodized Finish, Add	87.47	
08 51 13 00-0043 EA >20 To 30 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL) .....	1,693.09	130.77
For 50% Fluoropolymer Finish (Acrynar), Add	29.50	
For 70% Fluoropolymer Finish (Duranar), Add	88.51	
For Clear Anodized Finish, Add	73.76	
For Color Anodized Finish, Add	103.26	
08 51 13 00-0044 SF >30 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL) .....	55.71	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	0.98	
For 70% Fluoropolymer Finish (Duranar), Add	2.95	
For Clear Anodized Finish, Add	2.46	
For Color Anodized Finish, Add	3.44	





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 51 13 00-0045 Double Hung Aluminum Windows</b> <small>(08 51 13 00-0001)</small>		
<b>08 51 13 00-0046 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)</b> <small>(08 51 13 00-0045)</small>		
08 51 13 00-0047 EA Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	592.26	104.62
For 50% Fluoropolymer Finish (Acrynar), Add	8.36	
For 70% Fluoropolymer Finish (Duranar), Add	25.07	
For Clear Anodized Finish, Add	20.90	
For Color Anodized Finish, Add	29.25	
08 51 13 00-0048 EA >6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) .....	655.40	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	9.40	
For 70% Fluoropolymer Finish (Duranar), Add	28.21	
For Clear Anodized Finish, Add	23.51	
For Color Anodized Finish, Add	32.91	
08 51 13 00-0049 EA >10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) .....	709.03	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	10.26	
For 70% Fluoropolymer Finish (Duranar), Add	30.77	
For Clear Anodized Finish, Add	25.64	
For Color Anodized Finish, Add	35.90	
08 51 13 00-0050 EA >15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) .....	765.05	124.23
For 50% Fluoropolymer Finish (Acrynar), Add	11.16	
For 70% Fluoropolymer Finish (Duranar), Add	33.48	
For Clear Anodized Finish, Add	27.90	
For Color Anodized Finish, Add	39.06	
08 51 13 00-0051 EA >20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) .....	892.30	130.77
For 50% Fluoropolymer Finish (Acrynar), Add	13.49	
For 70% Fluoropolymer Finish (Duranar), Add	40.46	
For Clear Anodized Finish, Add	33.72	
For Color Anodized Finish, Add	47.20	
08 51 13 00-0052 SF >30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	29.03	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	0.45	
For 70% Fluoropolymer Finish (Duranar), Add	1.35	
For Clear Anodized Finish, Add	1.12	
For Color Anodized Finish, Add	1.57	
<b>08 51 13 00-0053 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)</b> <small>(08 51 13 00-0045)</small>		
08 51 13 00-0054 EA Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	727.61	104.62
For 50% Fluoropolymer Finish (Acrynar), Add	11.07	
For 70% Fluoropolymer Finish (Duranar), Add	33.20	
For Clear Anodized Finish, Add	27.66	
For Color Anodized Finish, Add	38.73	
08 51 13 00-0055 EA >6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) .....	842.99	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	13.15	
For 70% Fluoropolymer Finish (Duranar), Add	39.46	
For Clear Anodized Finish, Add	32.89	
For Color Anodized Finish, Add	46.04	
08 51 13 00-0056 EA >10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) .....	936.98	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	14.82	
For 70% Fluoropolymer Finish (Duranar), Add	44.45	
For Clear Anodized Finish, Add	37.04	
For Color Anodized Finish, Add	51.86	
08 51 13 00-0057 EA >15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) .....	1,042.86	124.23
For 50% Fluoropolymer Finish (Acrynar), Add	16.72	
For 70% Fluoropolymer Finish (Duranar), Add	50.15	
For Clear Anodized Finish, Add	41.79	
For Color Anodized Finish, Add	58.51	
08 51 13 00-0058 EA >20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) .....	1,236.59	130.77
For 50% Fluoropolymer Finish (Acrynar), Add	20.37	
For 70% Fluoropolymer Finish (Duranar), Add	61.12	
For Clear Anodized Finish, Add	50.93	
For Color Anodized Finish, Add	71.30	
08 51 13 00-0059 SF >30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) .....	40.49	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	0.68	
For 70% Fluoropolymer Finish (Duranar), Add	2.04	
For Clear Anodized Finish, Add	1.70	
For Color Anodized Finish, Add	2.38	
<b>08 51 13 00-0060 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)</b> <small>(08 51 13 00-0045)</small>		
08 51 13 00-0061 EA Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) .....	915.19	104.62
For 50% Fluoropolymer Finish (Acrynar), Add	14.82	
For 70% Fluoropolymer Finish (Duranar), Add	44.45	
For Clear Anodized Finish, Add	37.04	
For Color Anodized Finish, Add	51.86	
08 51 13 00-0062 EA >6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	1,049.56	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	17.29	
For 70% Fluoropolymer Finish (Duranar), Add	51.86	
For Clear Anodized Finish, Add	43.22	
For Color Anodized Finish, Add	60.50	

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0063	EA	>10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	1,162.56	117.69	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	19.33		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	57.98		
		<i>For Clear Anodized Finish, Add</i>	48.32		
		<i>For Color Anodized Finish, Add</i>	67.65		
08 51 13 00-0064	EA	>15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	1,273.18	124.23	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	21.32		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	63.97		
		<i>For Clear Anodized Finish, Add</i>	53.31		
		<i>For Color Anodized Finish, Add</i>	74.63		
08 51 13 00-0065	EA	>20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	1,538.15	130.77	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	26.40		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	79.21		
		<i>For Clear Anodized Finish, Add</i>	66.01		
		<i>For Color Anodized Finish, Add</i>	92.41		
08 51 13 00-0066	SF	>30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	50.54	3.93	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.88		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.64		
		<i>For Clear Anodized Finish, Add</i>	2.20		
		<i>For Color Anodized Finish, Add</i>	3.08		
<b>08 51 13 00-0067</b>		<b>4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL)</b>			
		<small>(08 51 13 00-0045)</small>			
08 51 13 00-0068	EA	Up To 6 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL)	1,100.40	104.62	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	18.52		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	55.56		
		<i>For Clear Anodized Finish, Add</i>	46.30		
		<i>For Color Anodized Finish, Add</i>	64.82		
08 51 13 00-0069	EA	>6 To 10 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL)	1,265.64	111.15	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	21.61		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	64.82		
		<i>For Clear Anodized Finish, Add</i>	54.02		
		<i>For Color Anodized Finish, Add</i>	75.63		
08 51 13 00-0070	EA	>10 To 15 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL)	1,404.15	117.69	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	24.16		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	72.48		
		<i>For Clear Anodized Finish, Add</i>	60.40		
		<i>For Color Anodized Finish, Add</i>	84.56		
08 51 13 00-0071	EA	>15 To 20 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL)	1,539.73	124.23	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	26.65		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	79.96		
		<i>For Clear Anodized Finish, Add</i>	66.63		
		<i>For Color Anodized Finish, Add</i>	93.29		
08 51 13 00-0072	EA	>20 To 30 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL)	1,868.20	130.77	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	33.01		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	99.02		
		<i>For Clear Anodized Finish, Add</i>	82.51		
		<i>For Color Anodized Finish, Add</i>	115.52		
08 51 13 00-0073	SF	>30 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL)	61.54	3.93	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.10		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	3.30		
		<i>For Clear Anodized Finish, Add</i>	2.75		
		<i>For Color Anodized Finish, Add</i>	3.85		
<b>08 51 13 00-0074</b>		<b>4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)</b>			
		<small>(08 51 13 00-0045)</small>			
08 51 13 00-0075	EA	Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,427.10	111.15	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	24.84		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	74.51		
		<i>For Clear Anodized Finish, Add</i>	62.09		
		<i>For Color Anodized Finish, Add</i>	86.93		
08 51 13 00-0076	EA	>10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,563.84	117.69	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	27.35		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	82.06		
		<i>For Clear Anodized Finish, Add</i>	68.38		
		<i>For Color Anodized Finish, Add</i>	95.74		
08 51 13 00-0077	EA	>15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,724.33	124.23	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	30.35		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	91.04		
		<i>For Clear Anodized Finish, Add</i>	75.86		
		<i>For Color Anodized Finish, Add</i>	106.21		
08 51 13 00-0078	EA	>20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,994.05	130.77	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	35.52		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	106.57		
		<i>For Clear Anodized Finish, Add</i>	88.81		
		<i>For Color Anodized Finish, Add</i>	124.33		
08 51 13 00-0079	SF	>30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	65.66	3.93	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.18		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	3.55		
		<i>For Clear Anodized Finish, Add</i>	2.96		
		<i>For Color Anodized Finish, Add</i>	4.14		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 51 13 00-0080</b> 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) <small>(08 51 13 00-0045)</small>		
08 51 13 00-0081 EA Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) .....	1,963.73	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	35.57	
For 70% Fluoropolymer Finish (Duranar), Add	106.71	
For Clear Anodized Finish, Add	88.92	
For Color Anodized Finish, Add	124.49	
08 51 13 00-0082 EA >10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) .....	2,117.09	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	38.42	
For 70% Fluoropolymer Finish (Duranar), Add	115.26	
For Clear Anodized Finish, Add	96.05	
For Color Anodized Finish, Add	134.47	
08 51 13 00-0083 EA >15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) .....	2,291.83	124.23
For 50% Fluoropolymer Finish (Acrynar), Add	41.70	
For 70% Fluoropolymer Finish (Duranar), Add	125.09	
For Clear Anodized Finish, Add	104.24	
For Color Anodized Finish, Add	145.93	
08 51 13 00-0084 EA >20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) .....	2,594.78	130.77
For 50% Fluoropolymer Finish (Acrynar), Add	47.54	
For 70% Fluoropolymer Finish (Duranar), Add	142.61	
For Clear Anodized Finish, Add	118.84	
For Color Anodized Finish, Add	166.38	
08 51 13 00-0085 SF >30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) .....	85.85	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	1.59	
For 70% Fluoropolymer Finish (Duranar), Add	4.76	
For Clear Anodized Finish, Add	3.97	
For Color Anodized Finish, Add	5.55	
<b>08 51 13 00-0086</b> Horizontal Sliding Aluminum Windows <small>(08 51 13 00-0001)</small>		
<b>08 51 13 00-0087</b> One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows <small>(08 51 13 00-0086)</small>		
<b>08 51 13 00-0088</b> 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) <small>(08 51 13 00-0087)</small>		
08 51 13 00-0089 EA Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) .....	540.03	104.62
For 50% Fluoropolymer Finish (Acrynar), Add	7.31	
For 70% Fluoropolymer Finish (Duranar), Add	21.94	
For Clear Anodized Finish, Add	18.28	
For Color Anodized Finish, Add	25.60	
08 51 13 00-0090 EA >6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) .....	607.91	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	8.45	
For 70% Fluoropolymer Finish (Duranar), Add	25.36	
For Clear Anodized Finish, Add	21.13	
For Color Anodized Finish, Add	29.59	
08 51 13 00-0091 EA >10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) .....	659.17	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	9.26	
For 70% Fluoropolymer Finish (Duranar), Add	27.78	
For Clear Anodized Finish, Add	23.15	
For Color Anodized Finish, Add	32.41	
08 51 13 00-0092 EA >15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) .....	712.81	124.23
For 50% Fluoropolymer Finish (Acrynar), Add	10.12	
For 70% Fluoropolymer Finish (Duranar), Add	30.35	
For Clear Anodized Finish, Add	25.29	
For Color Anodized Finish, Add	35.40	
08 51 13 00-0093 EA >20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) .....	821.06	130.77
For 50% Fluoropolymer Finish (Acrynar), Add	12.06	
For 70% Fluoropolymer Finish (Duranar), Add	36.19	
For Clear Anodized Finish, Add	30.16	
For Color Anodized Finish, Add	42.22	
08 51 13 00-0094 SF >30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) .....	26.65	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	0.40	
For 70% Fluoropolymer Finish (Duranar), Add	1.21	
For Clear Anodized Finish, Add	1.01	
For Color Anodized Finish, Add	1.41	
<b>08 51 13 00-0095</b> 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <small>(08 51 13 00-0087)</small>		
08 51 13 00-0096 EA Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) .....	841.58	104.62
For 50% Fluoropolymer Finish (Acrynar), Add	13.34	
For 70% Fluoropolymer Finish (Duranar), Add	40.03	
For Clear Anodized Finish, Add	33.36	
For Color Anodized Finish, Add	46.71	

**08 Openings**

08 50 Windows

08 51 Metal Windows



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0097	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	947.46	111.15
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	15.24	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	45.73	
		<i>For Clear Anodized Finish, Add</i>	38.11	
		<i>For Color Anodized Finish, Add</i>	53.35	
08 51 13 00-0098	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	1,031.96	117.69
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.72	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	50.15	
		<i>For Clear Anodized Finish, Add</i>	41.79	
		<i>For Color Anodized Finish, Add</i>	58.51	
08 51 13 00-0099	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	1,114.09	124.23
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	18.14	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	54.42	
		<i>For Clear Anodized Finish, Add</i>	45.35	
		<i>For Color Anodized Finish, Add</i>	63.49	
08 51 13 00-0100	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	1,291.21	130.77
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	21.47	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	64.40	
		<i>For Clear Anodized Finish, Add</i>	53.66	
		<i>For Color Anodized Finish, Add</i>	75.13	
08 51 13 00-0101	SF	>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	42.32	3.93
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.72	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.15	
		<i>For Clear Anodized Finish, Add</i>	1.79	
		<i>For Color Anodized Finish, Add</i>	2.50	
08 51 13 00-0102		Two Rolling Sashes, Horizontal Sliding Aluminum Windows <small>(08 51 13 00-0096)</small>		
08 51 13 00-0103		3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) <small>(08 51 13 00-0102)</small>		
08 51 13 00-0104	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	601.76	104.62
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.55	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	25.64	
		<i>For Clear Anodized Finish, Add</i>	21.37	
		<i>For Color Anodized Finish, Add</i>	29.92	
08 51 13 00-0105	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	688.65	111.15
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.07	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	30.20	
		<i>For Clear Anodized Finish, Add</i>	25.17	
		<i>For Color Anodized Finish, Add</i>	35.24	
08 51 13 00-0106	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	747.02	117.69
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.02	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	33.05	
		<i>For Clear Anodized Finish, Add</i>	27.54	
		<i>For Color Anodized Finish, Add</i>	38.56	
08 51 13 00-0107	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	795.92	124.23
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.78	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	35.33	
		<i>For Clear Anodized Finish, Add</i>	29.44	
		<i>For Color Anodized Finish, Add</i>	41.22	
08 51 13 00-0108	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	918.42	130.77
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.01	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	42.03	
		<i>For Clear Anodized Finish, Add</i>	35.02	
		<i>For Color Anodized Finish, Add</i>	49.03	
08 51 13 00-0109	SF	>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	29.88	3.93
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.47	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	1.40	
		<i>For Clear Anodized Finish, Add</i>	1.17	
		<i>For Color Anodized Finish, Add</i>	1.63	
08 51 13 00-0110		Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows <small>(08 51 13 00-0096)</small>		
08 51 13 00-0111		4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) <small>(08 51 13 00-0110)</small>		
08 51 13 00-0112	EA	Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,501.68	104.62
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	26.55	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	79.64	
		<i>For Clear Anodized Finish, Add</i>	66.37	
		<i>For Color Anodized Finish, Add</i>	92.91	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0113	EA	>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) .....	1,728.38	120.96
			For 50% Fluoropolymer Finish (Acrynar), Add	30.54	
			For 70% Fluoropolymer Finish (Duranar), Add	91.61	
			For Clear Anodized Finish, Add	76.34	
			For Color Anodized Finish, Add	106.87	
08 51	13 00-0114	EA	>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) .....	1,867.50	127.50
			For 50% Fluoropolymer Finish (Acrynar), Add	33.10	
			For 70% Fluoropolymer Finish (Duranar), Add	99.30	
			For Clear Anodized Finish, Add	82.75	
			For Color Anodized Finish, Add	115.85	
08 51	13 00-0115	EA	>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) .....	2,255.66	143.84
			For 50% Fluoropolymer Finish (Acrynar), Add	40.32	
			For 70% Fluoropolymer Finish (Duranar), Add	120.96	
			For Clear Anodized Finish, Add	100.80	
			For Color Anodized Finish, Add	141.11	
08 51	13 00-0116	EA	>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) .....	2,604.15	163.46
			For 50% Fluoropolymer Finish (Acrynar), Add	46.63	
			For 70% Fluoropolymer Finish (Duranar), Add	139.90	
			For Clear Anodized Finish, Add	116.59	
			For Color Anodized Finish, Add	163.22	
08 51	13 00-0117	SF	>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) .....	45.39	3.93
			For 50% Fluoropolymer Finish (Acrynar), Add	0.78	
			For 70% Fluoropolymer Finish (Duranar), Add	2.33	
			For Clear Anodized Finish, Add	1.94	
			For Color Anodized Finish, Add	2.72	
08 51	13 00-0118		<b>Fixed Aluminum Windows</b> (08 51 13 00-0001)		
08 51	13 00-0119		<b>2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)</b> (08 51 13 00-0118)		
08 51	13 00-0120	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) .....	428.43	104.62
			For 50% Fluoropolymer Finish (Acrynar), Add	5.08	
			For 70% Fluoropolymer Finish (Duranar), Add	15.24	
			For Clear Anodized Finish, Add	12.70	
			For Color Anodized Finish, Add	17.78	
08 51	13 00-0121	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) .....	486.82	111.15
			For 50% Fluoropolymer Finish (Acrynar), Add	6.03	
			For 70% Fluoropolymer Finish (Duranar), Add	18.09	
			For Clear Anodized Finish, Add	15.08	
			For Color Anodized Finish, Add	21.11	
08 51	13 00-0122	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) .....	514.33	117.69
			For 50% Fluoropolymer Finish (Acrynar), Add	6.36	
			For 70% Fluoropolymer Finish (Duranar), Add	19.09	
			For Clear Anodized Finish, Add	15.91	
			For Color Anodized Finish, Add	22.27	
08 51	13 00-0123	EA	>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) .....	541.85	124.23
			For 50% Fluoropolymer Finish (Acrynar), Add	6.70	
			For 70% Fluoropolymer Finish (Duranar), Add	20.09	
			For Clear Anodized Finish, Add	16.74	
			For Color Anodized Finish, Add	23.44	
08 51	13 00-0124	EA	>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) .....	707.09	130.77
			For 50% Fluoropolymer Finish (Acrynar), Add	9.78	
			For 70% Fluoropolymer Finish (Duranar), Add	29.35	
			For Clear Anodized Finish, Add	24.46	
			For Color Anodized Finish, Add	34.24	
08 51	13 00-0125	SF	>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) .....	22.85	3.93
			For 50% Fluoropolymer Finish (Acrynar), Add	0.33	
			For 70% Fluoropolymer Finish (Duranar), Add	0.98	
			For Clear Anodized Finish, Add	0.82	
			For Color Anodized Finish, Add	1.14	
08 51	13 00-0126		<b>2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)</b> (08 51 13 00-0118)		
08 51	13 00-0127	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) .....	532.90	104.62
			For 50% Fluoropolymer Finish (Acrynar), Add	7.17	
			For 70% Fluoropolymer Finish (Duranar), Add	21.51	
			For Clear Anodized Finish, Add	17.93	
			For Color Anodized Finish, Add	25.10	
08 51	13 00-0128	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) .....	607.91	111.15
			For 50% Fluoropolymer Finish (Acrynar), Add	8.45	
			For 70% Fluoropolymer Finish (Duranar), Add	25.36	
			For Clear Anodized Finish, Add	21.13	
			For Color Anodized Finish, Add	29.59	
08 51	13 00-0129	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) .....	654.42	117.69
			For 50% Fluoropolymer Finish (Acrynar), Add	9.17	
			For 70% Fluoropolymer Finish (Duranar), Add	27.50	
			For Clear Anodized Finish, Add	22.91	
			For Color Anodized Finish, Add	32.08	

**08 Openings**

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0130	EA	>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	.....	703.31	124.23
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		9.93	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		29.78	
		<i>For Clear Anodized Finish, Add</i>		24.81	
		<i>For Color Anodized Finish, Add</i>		34.74	
08 51 13 00-0131	EA	>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	.....	918.42	130.77
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		14.01	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		42.03	
		<i>For Clear Anodized Finish, Add</i>		35.02	
		<i>For Color Anodized Finish, Add</i>		49.03	
08 51 13 00-0132	SF	>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	.....	29.88	3.93
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		0.47	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		1.40	
		<i>For Clear Anodized Finish, Add</i>		1.17	
		<i>For Color Anodized Finish, Add</i>		1.63	
<b>08 51 13 00-0133</b>		<b>3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)</b> <small>(08 51 13 00-0118)</small>			
08 51 13 00-0134	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	.....	461.67	104.62
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		5.75	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		17.24	
		<i>For Clear Anodized Finish, Add</i>		14.37	
		<i>For Color Anodized Finish, Add</i>		20.11	
08 51 13 00-0135	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	.....	536.68	111.15
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		7.03	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		21.09	
		<i>For Clear Anodized Finish, Add</i>		17.57	
		<i>For Color Anodized Finish, Add</i>		24.60	
08 51 13 00-0136	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	.....	578.44	117.69
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		7.65	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		22.94	
		<i>For Clear Anodized Finish, Add</i>		19.11	
		<i>For Color Anodized Finish, Add</i>		26.76	
08 51 13 00-0137	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	.....	622.58	124.23
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		8.31	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		24.93	
		<i>For Clear Anodized Finish, Add</i>		20.78	
		<i>For Color Anodized Finish, Add</i>		29.09	
08 51 13 00-0138	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	.....	825.81	130.77
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		12.16	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		36.47	
		<i>For Clear Anodized Finish, Add</i>		30.39	
		<i>For Color Anodized Finish, Add</i>		42.55	
08 51 13 00-0139	SF	>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	.....	26.79	3.93
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		0.41	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		1.22	
		<i>For Clear Anodized Finish, Add</i>		1.01	
		<i>For Color Anodized Finish, Add</i>		1.42	
<b>08 51 13 00-0140</b>		<b>4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)</b> <small>(08 51 13 00-0118)</small>			
08 51 13 00-0141	EA	Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	.....	459.30	104.62
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		5.70	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		17.10	
		<i>For Clear Anodized Finish, Add</i>		14.25	
		<i>For Color Anodized Finish, Add</i>		19.95	
08 51 13 00-0142	EA	>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	.....	527.18	111.15
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		6.84	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		20.52	
		<i>For Clear Anodized Finish, Add</i>		17.10	
		<i>For Color Anodized Finish, Add</i>		23.93	
08 51 13 00-0143	EA	>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	.....	568.94	117.69
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		7.46	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		22.37	
		<i>For Clear Anodized Finish, Add</i>		18.64	
		<i>For Color Anodized Finish, Add</i>		26.10	
08 51 13 00-0144	EA	>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	.....	613.08	124.23
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		8.12	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		24.36	
		<i>For Clear Anodized Finish, Add</i>		20.30	
		<i>For Color Anodized Finish, Add</i>		28.42	
08 51 13 00-0145	EA	>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	.....	816.31	130.77
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		11.97	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		35.90	
		<i>For Clear Anodized Finish, Add</i>		29.92	
		<i>For Color Anodized Finish, Add</i>		41.89	
08 51 13 00-0146	SF	>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	.....	26.49	3.93
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		0.40	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		1.20	
		<i>For Clear Anodized Finish, Add</i>		1.00	
		<i>For Color Anodized Finish, Add</i>		1.40	
<b>08 51 13 00-0147</b>		<b>4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)</b> <small>(08 51 13 00-0118)</small>			



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0148	EA	Up To 6 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL) .....	544.78	104.62
			For 50% Fluoropolymer Finish (Acrynar), Add	7.41	
			For 70% Fluoropolymer Finish (Duranar), Add	22.23	
			For Clear Anodized Finish, Add	18.52	
			For Color Anodized Finish, Add	25.93	
08 51	13 00-0149	EA	>6 To 10 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL).....	629.76	111.15
			For 50% Fluoropolymer Finish (Acrynar), Add	8.89	
			For 70% Fluoropolymer Finish (Duranar), Add	26.67	
			For Clear Anodized Finish, Add	22.23	
			For Color Anodized Finish, Add	31.12	
08 51	13 00-0150	EA	>10 To 15 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL).....	680.78	117.69
			For 50% Fluoropolymer Finish (Acrynar), Add	9.69	
			For 70% Fluoropolymer Finish (Duranar), Add	29.08	
			For Clear Anodized Finish, Add	24.23	
			For Color Anodized Finish, Add	33.92	
08 51	13 00-0151	EA	>15 To 20 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL).....	734.89	124.23
			For 50% Fluoropolymer Finish (Acrynar), Add	10.56	
			For 70% Fluoropolymer Finish (Duranar), Add	31.67	
			For Clear Anodized Finish, Add	26.39	
			For Color Anodized Finish, Add	36.95	
08 51	13 00-0152	EA	>20 To 30 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL).....	995.82	130.77
			For 50% Fluoropolymer Finish (Acrynar), Add	15.56	
			For 70% Fluoropolymer Finish (Duranar), Add	46.67	
			For Clear Anodized Finish, Add	38.89	
			For Color Anodized Finish, Add	54.45	
08 51	13 00-0153	SF	>30 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL).....	32.46	3.93
			For 50% Fluoropolymer Finish (Acrynar), Add	0.52	
			For 70% Fluoropolymer Finish (Duranar), Add	1.56	
			For Clear Anodized Finish, Add	1.30	
			For Color Anodized Finish, Add	1.81	
08 51	13 00-0154		<b>Projected Aluminum Windows</b> (08 51 13 00-0001)		
08 51	13 00-0155		<b>Single Vent, Projected Aluminum Windows</b> (08 51 13 00-0154)		
08 51	13 00-0156		<b>2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)</b> (08 51 13 00-0155)		
08 51	13 00-0157	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	606.99	104.62
			For 50% Fluoropolymer Finish (Acrynar), Add	8.65	
			For 70% Fluoropolymer Finish (Duranar), Add	25.96	
			For Clear Anodized Finish, Add	21.63	
			For Color Anodized Finish, Add	30.28	
08 51	13 00-0158	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	657.54	111.15
			For 50% Fluoropolymer Finish (Acrynar), Add	9.45	
			For 70% Fluoropolymer Finish (Duranar), Add	28.34	
			For Clear Anodized Finish, Add	23.61	
			For Color Anodized Finish, Add	33.06	
08 51	13 00-0159	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	716.16	117.69
			For 50% Fluoropolymer Finish (Acrynar), Add	10.40	
			For 70% Fluoropolymer Finish (Duranar), Add	31.20	
			For Clear Anodized Finish, Add	26.00	
			For Color Anodized Finish, Add	36.40	
08 51	13 00-0160	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	41.21	3.93
			For 50% Fluoropolymer Finish (Acrynar), Add	0.69	
			For 70% Fluoropolymer Finish (Duranar), Add	2.08	
			For Clear Anodized Finish, Add	1.73	
			For Color Anodized Finish, Add	2.43	
08 51	13 00-0161		<b>2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)</b> (08 51 13 00-0155)		
08 51	13 00-0162	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	816.91	104.62
			For 50% Fluoropolymer Finish (Acrynar), Add	12.85	
			For 70% Fluoropolymer Finish (Duranar), Add	38.55	
			For Clear Anodized Finish, Add	32.13	
			For Color Anodized Finish, Add	44.98	
08 51	13 00-0163	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	902.13	111.15
			For 50% Fluoropolymer Finish (Acrynar), Add	14.34	
			For 70% Fluoropolymer Finish (Duranar), Add	43.01	
			For Clear Anodized Finish, Add	35.84	
			For Color Anodized Finish, Add	50.18	
08 51	13 00-0164	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	1,001.09	117.69
			For 50% Fluoropolymer Finish (Acrynar), Add	16.10	
			For 70% Fluoropolymer Finish (Duranar), Add	48.30	
			For Clear Anodized Finish, Add	40.25	
			For Color Anodized Finish, Add	56.35	
08 51	13 00-0165	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	60.20	3.93
			For 50% Fluoropolymer Finish (Acrynar), Add	1.07	
			For 70% Fluoropolymer Finish (Duranar), Add	3.22	
			For Clear Anodized Finish, Add	2.68	
			For Color Anodized Finish, Add	3.76	

**08 Openings**

08 50 Windows

08 51 Metal Windows



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 51 13 00-0166		<b>3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)</b> (08 51 13 00-0155)			
08 51 13 00-0167	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	895.65		104.62
		For 50% Fluoropolymer Finish (Acrynar), Add	14.43		
		For 70% Fluoropolymer Finish (Duranar), Add	43.28		
		For Clear Anodized Finish, Add	36.06		
		For Color Anodized Finish, Add	50.49		
08 51 13 00-0168	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	993.83		111.15
		For 50% Fluoropolymer Finish (Acrynar), Add	16.17		
		For 70% Fluoropolymer Finish (Duranar), Add	48.51		
		For Clear Anodized Finish, Add	40.43		
		For Color Anodized Finish, Add	56.60		
08 51 13 00-0169	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	1,107.94		117.69
		For 50% Fluoropolymer Finish (Acrynar), Add	18.24		
		For 70% Fluoropolymer Finish (Duranar), Add	54.71		
		For Clear Anodized Finish, Add	45.59		
		For Color Anodized Finish, Add	63.83		
08 51 13 00-0170	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	67.33		3.93
		For 50% Fluoropolymer Finish (Acrynar), Add	1.22		
		For 70% Fluoropolymer Finish (Duranar), Add	3.65		
		For Clear Anodized Finish, Add	3.04		
		For Color Anodized Finish, Add	4.26		
08 51 13 00-0171		<b>3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)</b> (08 51 13 00-0155)			
08 51 13 00-0172	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) .....	949.88		104.62
		For 50% Fluoropolymer Finish (Acrynar), Add	15.51		
		For 70% Fluoropolymer Finish (Duranar), Add	46.53		
		For Clear Anodized Finish, Add	38.78		
		For Color Anodized Finish, Add	54.29		
08 51 13 00-0173	EA	>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600) .....	1,057.02		111.15
		For 50% Fluoropolymer Finish (Acrynar), Add	17.44		
		For 70% Fluoropolymer Finish (Duranar), Add	52.31		
		For Clear Anodized Finish, Add	43.59		
		For Color Anodized Finish, Add	61.02		
08 51 13 00-0174	EA	>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600) .....	1,181.55		117.69
		For 50% Fluoropolymer Finish (Acrynar), Add	19.71		
		For 70% Fluoropolymer Finish (Duranar), Add	59.12		
		For Clear Anodized Finish, Add	49.27		
		For Color Anodized Finish, Add	68.98		
08 51 13 00-0175	SF	>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600) .....	72.24		3.93
		For 50% Fluoropolymer Finish (Acrynar), Add	1.31		
		For 70% Fluoropolymer Finish (Duranar), Add	3.94		
		For Clear Anodized Finish, Add	3.29		
		For Color Anodized Finish, Add	4.60		
08 51 13 00-0176		<b>4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)</b> (08 51 13 00-0155)			
08 51 13 00-0177	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) .....	942.88		104.62
		For 50% Fluoropolymer Finish (Acrynar), Add	15.37		
		For 70% Fluoropolymer Finish (Duranar), Add	46.11		
		For Clear Anodized Finish, Add	38.43		
		For Color Anodized Finish, Add	53.80		
08 51 13 00-0178	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) .....	1,048.87		111.15
		For 50% Fluoropolymer Finish (Acrynar), Add	17.27		
		For 70% Fluoropolymer Finish (Duranar), Add	51.82		
		For Clear Anodized Finish, Add	43.18		
		For Color Anodized Finish, Add	60.45		
08 51 13 00-0179	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) .....	1,172.05		117.69
		For 50% Fluoropolymer Finish (Acrynar), Add	19.52		
		For 70% Fluoropolymer Finish (Duranar), Add	58.55		
		For Clear Anodized Finish, Add	48.80		
		For Color Anodized Finish, Add	68.31		
08 51 13 00-0180	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) .....	71.60		3.93
		For 50% Fluoropolymer Finish (Acrynar), Add	1.30		
		For 70% Fluoropolymer Finish (Duranar), Add	3.90		
		For Clear Anodized Finish, Add	3.25		
		For Color Anodized Finish, Add	4.55		
08 51 13 00-0181		<b>Fixed Over Vent, Projected Aluminum Windows</b> (08 51 13 00-0154)			
08 51 13 00-0182		<b>2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)</b> (08 51 13 00-0181)			





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 51 13 00-0183	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)		836.17	104.62
		For 50% Fluoropolymer Finish (Acrynar), Add		13.24	
		For 70% Fluoropolymer Finish (Duranar), Add		39.71	
		For Clear Anodized Finish, Add		33.09	
		For Color Anodized Finish, Add		46.33	
08 51 13 00-0184	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)		924.55	111.15
		For 50% Fluoropolymer Finish (Acrynar), Add		14.79	
		For 70% Fluoropolymer Finish (Duranar), Add		44.36	
		For Clear Anodized Finish, Add		36.96	
		For Color Anodized Finish, Add		51.75	
08 51 13 00-0185	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)		1,027.21	117.69
		For 50% Fluoropolymer Finish (Acrynar), Add		16.62	
		For 70% Fluoropolymer Finish (Duranar), Add		49.86	
		For Clear Anodized Finish, Add		41.55	
		For Color Anodized Finish, Add		58.17	
08 51 13 00-0186	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)		61.86	3.93
		For 50% Fluoropolymer Finish (Acrynar), Add		1.11	
		For 70% Fluoropolymer Finish (Duranar), Add		3.32	
		For Clear Anodized Finish, Add		2.77	
		For Color Anodized Finish, Add		3.87	
<b>08 51 13 00-0187 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0181)</b>					
08 51 13 00-0188	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)		1,168.57	104.62
		For 50% Fluoropolymer Finish (Acrynar), Add		19.88	
		For 70% Fluoropolymer Finish (Duranar), Add		59.65	
		For Clear Anodized Finish, Add		49.71	
		For Color Anodized Finish, Add		69.59	
08 51 13 00-0189	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)		1,311.80	111.15
		For 50% Fluoropolymer Finish (Acrynar), Add		22.53	
		For 70% Fluoropolymer Finish (Duranar), Add		67.59	
		For Clear Anodized Finish, Add		56.33	
		For Color Anodized Finish, Add		78.86	
08 51 13 00-0190	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)		1,478.36	117.69
		For 50% Fluoropolymer Finish (Acrynar), Add		25.64	
		For 70% Fluoropolymer Finish (Duranar), Add		76.93	
		For Clear Anodized Finish, Add		64.11	
		For Color Anodized Finish, Add		89.75	
08 51 13 00-0191	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)		92.02	3.93
		For 50% Fluoropolymer Finish (Acrynar), Add		1.71	
		For 70% Fluoropolymer Finish (Duranar), Add		5.13	
		For Clear Anodized Finish, Add		4.27	
		For Color Anodized Finish, Add		5.98	
<b>08 51 13 00-0192 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0181)</b>					
08 51 13 00-0193	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)		1,238.55	104.62
		For 50% Fluoropolymer Finish (Acrynar), Add		21.28	
		For 70% Fluoropolymer Finish (Duranar), Add		63.85	
		For Clear Anodized Finish, Add		53.21	
		For Color Anodized Finish, Add		74.49	
08 51 13 00-0194	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)		1,393.31	111.15
		For 50% Fluoropolymer Finish (Acrynar), Add		24.16	
		For 70% Fluoropolymer Finish (Duranar), Add		72.48	
		For Clear Anodized Finish, Add		60.40	
		For Color Anodized Finish, Add		84.56	
08 51 13 00-0195	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)		1,573.34	117.69
		For 50% Fluoropolymer Finish (Acrynar), Add		27.54	
		For 70% Fluoropolymer Finish (Duranar), Add		82.63	
		For Clear Anodized Finish, Add		68.86	
		For Color Anodized Finish, Add		96.40	
08 51 13 00-0196	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)		98.19	3.93
		For 50% Fluoropolymer Finish (Acrynar), Add		1.83	
		For 70% Fluoropolymer Finish (Duranar), Add		5.50	
		For Clear Anodized Finish, Add		4.58	
		For Color Anodized Finish, Add		6.42	
<b>08 51 13 00-0197 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0181)</b>					

**08 Openings**

08 50 Windows

08 51 Metal Windows



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0198	EA Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) .....	1,231.56	104.62
	For 50% Fluoropolymer Finish (Acrynar), Add	21.14	
	For 70% Fluoropolymer Finish (Duranar), Add	63.43	
	For Clear Anodized Finish, Add	52.86	
	For Color Anodized Finish, Add	74.00	
08 51 13 00-0199	EA >6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) .....	1,385.17	111.15
	For 50% Fluoropolymer Finish (Acrynar), Add	24.00	
	For 70% Fluoropolymer Finish (Duranar), Add	71.99	
	For Clear Anodized Finish, Add	60.00	
	For Color Anodized Finish, Add	83.99	
08 51 13 00-0200	EA >10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) .....	1,563.84	117.69
	For 50% Fluoropolymer Finish (Acrynar), Add	27.35	
	For 70% Fluoropolymer Finish (Duranar), Add	82.06	
	For Clear Anodized Finish, Add	68.38	
	For Color Anodized Finish, Add	95.74	
08 51 13 00-0201	SF >15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) .....	97.72	3.93
	For 50% Fluoropolymer Finish (Acrynar), Add	1.82	
	For 70% Fluoropolymer Finish (Duranar), Add	5.47	
	For Clear Anodized Finish, Add	4.56	
	For Color Anodized Finish, Add	6.38	
08 51 13 00-0202	4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0181)		
08 51 13 00-0203	EA Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) .....	1,340.03	104.62
	For 50% Fluoropolymer Finish (Acrynar), Add	23.31	
	For 70% Fluoropolymer Finish (Duranar), Add	69.94	
	For Clear Anodized Finish, Add	58.28	
	For Color Anodized Finish, Add	81.60	
08 51 13 00-0204	EA >6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) .....	1,511.54	111.15
	For 50% Fluoropolymer Finish (Acrynar), Add	26.53	
	For 70% Fluoropolymer Finish (Duranar), Add	79.58	
	For Clear Anodized Finish, Add	66.31	
	For Color Anodized Finish, Add	92.84	
08 51 13 00-0205	EA >10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) .....	1,711.06	117.69
	For 50% Fluoropolymer Finish (Acrynar), Add	30.30	
	For 70% Fluoropolymer Finish (Duranar), Add	90.89	
	For Clear Anodized Finish, Add	75.75	
	For Color Anodized Finish, Add	106.04	
08 51 13 00-0206	SF >15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) .....	107.45	3.93
	For 50% Fluoropolymer Finish (Acrynar), Add	2.02	
	For 70% Fluoropolymer Finish (Duranar), Add	6.05	
	For Clear Anodized Finish, Add	5.05	
	For Color Anodized Finish, Add	7.06	
08 51 13 00-0207	Casement Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0208	Single Vent, Casement Aluminum Windows (08 51 13 00-0207)		
08 51 13 00-0209	2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0208)		
08 51 13 00-0210	EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) .....	692.70	104.62
	For 50% Fluoropolymer Finish (Acrynar), Add	10.37	
	For 70% Fluoropolymer Finish (Duranar), Add	31.10	
	For Clear Anodized Finish, Add	25.92	
	For Color Anodized Finish, Add	36.28	
08 51 13 00-0211	EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) .....	757.41	111.15
	For 50% Fluoropolymer Finish (Acrynar), Add	11.44	
	For 70% Fluoropolymer Finish (Duranar), Add	34.33	
	For Clear Anodized Finish, Add	28.61	
	For Color Anodized Finish, Add	40.05	
08 51 13 00-0212	EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) .....	832.51	117.69
	For 50% Fluoropolymer Finish (Acrynar), Add	12.73	
	For 70% Fluoropolymer Finish (Duranar), Add	38.18	
	For Clear Anodized Finish, Add	31.82	
	For Color Anodized Finish, Add	44.55	
08 51 13 00-0213	SF >15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) .....	48.97	3.93
	For 50% Fluoropolymer Finish (Acrynar), Add	0.85	
	For 70% Fluoropolymer Finish (Duranar), Add	2.55	
	For Clear Anodized Finish, Add	2.12	
	For Color Anodized Finish, Add	2.97	
08 51 13 00-0214	2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0208)		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0215	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	1,011.12	104.62
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.74	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	50.21	
			<i>For Clear Anodized Finish, Add</i>	41.84	
			<i>For Color Anodized Finish, Add</i>	58.57	
08 51	13 00-0216	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	1,128.35	111.15
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	18.86	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	56.59	
			<i>For Clear Anodized Finish, Add</i>	47.15	
			<i>For Color Anodized Finish, Add</i>	66.02	
08 51	13 00-0217	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	1,264.66	117.69
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	21.37	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	64.11	
			<i>For Clear Anodized Finish, Add</i>	53.43	
			<i>For Color Anodized Finish, Add</i>	74.80	
08 51	13 00-0218	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	77.77	3.93
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.42	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	4.27	
			<i>For Clear Anodized Finish, Add</i>	3.56	
			<i>For Color Anodized Finish, Add</i>	4.99	
08 51	13 00-0219		<b>3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)</b> (08 51 13 00-0208)		
08 51	13 00-0220	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	1,016.37	104.62
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.84	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	50.52	
			<i>For Clear Anodized Finish, Add</i>	42.10	
			<i>For Color Anodized Finish, Add</i>	58.94	
08 51	13 00-0221	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	1,134.47	111.15
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	18.98	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	56.95	
			<i>For Clear Anodized Finish, Add</i>	47.46	
			<i>For Color Anodized Finish, Add</i>	66.44	
08 51	13 00-0222	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	1,271.78	117.69
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	21.51	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	64.54	
			<i>For Clear Anodized Finish, Add</i>	53.78	
			<i>For Color Anodized Finish, Add</i>	75.29	
08 51	13 00-0223	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	78.25	3.93
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.43	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	4.30	
			<i>For Clear Anodized Finish, Add</i>	3.59	
			<i>For Color Anodized Finish, Add</i>	5.02	
08 51	13 00-0224		<b>4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)</b> (08 51 13 00-0208)		
08 51	13 00-0225	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	1,070.60	104.62
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	17.92	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	53.77	
			<i>For Clear Anodized Finish, Add</i>	44.81	
			<i>For Color Anodized Finish, Add</i>	62.74	
08 51	13 00-0226	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	1,197.66	111.15
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	20.25	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	60.74	
			<i>For Clear Anodized Finish, Add</i>	50.62	
			<i>For Color Anodized Finish, Add</i>	70.87	
08 51	13 00-0227	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	1,345.39	117.69
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	22.98	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	68.95	
			<i>For Clear Anodized Finish, Add</i>	57.46	
			<i>For Color Anodized Finish, Add</i>	80.45	
08 51	13 00-0228	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	83.16	3.93
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.53	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	4.60	
			<i>For Clear Anodized Finish, Add</i>	3.83	
			<i>For Color Anodized Finish, Add</i>	5.36	
08 51	13 00-0229		<b>Fixed Over Vent, Casement Aluminum Windows</b> (08 51 13 00-0207)		
08 51	13 00-0230		<b>2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)</b> (08 51 13 00-0229)		
08 51	13 00-0231	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	788.93	104.62
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.29	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	36.87	
			<i>For Clear Anodized Finish, Add</i>	30.73	
			<i>For Color Anodized Finish, Add</i>	43.02	

**08 Openings**

08 50 Windows

08 51 Metal Windows



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0232	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) .....	869.51	111.15
		For 50% Fluoropolymer Finish (Acrynar), Add	13.69	
		For 70% Fluoropolymer Finish (Duranar), Add	41.06	
		For Clear Anodized Finish, Add	34.21	
		For Color Anodized Finish, Add	47.90	
08 51 13 00-0233	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) .....	963.10	117.69
		For 50% Fluoropolymer Finish (Acrynar), Add	15.34	
		For 70% Fluoropolymer Finish (Duranar), Add	46.02	
		For Clear Anodized Finish, Add	38.35	
		For Color Anodized Finish, Add	53.69	
08 51 13 00-0234	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	57.66	3.93
		For 50% Fluoropolymer Finish (Acrynar), Add	1.02	
		For 70% Fluoropolymer Finish (Duranar), Add	3.07	
		For Clear Anodized Finish, Add	2.56	
		For Color Anodized Finish, Add	3.58	
<b>08 51 13 00-0235 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0229)</b>				
08 51 13 00-0236	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	1,107.33	104.62
		For 50% Fluoropolymer Finish (Acrynar), Add	18.66	
		For 70% Fluoropolymer Finish (Duranar), Add	55.98	
		For Clear Anodized Finish, Add	46.65	
		For Color Anodized Finish, Add	65.31	
08 51 13 00-0237	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	1,240.45	111.15
		For 50% Fluoropolymer Finish (Acrynar), Add	21.10	
		For 70% Fluoropolymer Finish (Duranar), Add	63.31	
		For Clear Anodized Finish, Add	52.76	
		For Color Anodized Finish, Add	73.86	
08 51 13 00-0238	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	1,395.25	117.69
		For 50% Fluoropolymer Finish (Acrynar), Add	23.98	
		For 70% Fluoropolymer Finish (Duranar), Add	71.95	
		For Clear Anodized Finish, Add	59.96	
		For Color Anodized Finish, Add	83.94	
08 51 13 00-0239	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	86.49	3.93
		For 50% Fluoropolymer Finish (Acrynar), Add	1.60	
		For 70% Fluoropolymer Finish (Duranar), Add	4.80	
		For Clear Anodized Finish, Add	4.00	
		For Color Anodized Finish, Add	5.60	
<b>08 51 13 00-0240 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0229)</b>				
08 51 13 00-0241	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	1,224.56	104.62
		For 50% Fluoropolymer Finish (Acrynar), Add	21.00	
		For 70% Fluoropolymer Finish (Duranar), Add	63.01	
		For Clear Anodized Finish, Add	52.51	
		For Color Anodized Finish, Add	73.51	
08 51 13 00-0242	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	1,377.03	111.15
		For 50% Fluoropolymer Finish (Acrynar), Add	23.84	
		For 70% Fluoropolymer Finish (Duranar), Add	71.51	
		For Clear Anodized Finish, Add	59.59	
		For Color Anodized Finish, Add	83.42	
08 51 13 00-0243	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	1,554.34	117.69
		For 50% Fluoropolymer Finish (Acrynar), Add	27.16	
		For 70% Fluoropolymer Finish (Duranar), Add	81.49	
		For Clear Anodized Finish, Add	67.91	
		For Color Anodized Finish, Add	95.07	
08 51 13 00-0244	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	97.08	3.93
		For 50% Fluoropolymer Finish (Acrynar), Add	1.81	
		For 70% Fluoropolymer Finish (Duranar), Add	5.43	
		For Clear Anodized Finish, Add	4.53	
		For Color Anodized Finish, Add	6.34	
<b>08 51 13 00-0245 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0229)</b>				
08 51 13 00-0246	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) .....	1,331.27	104.62
		For 50% Fluoropolymer Finish (Acrynar), Add	23.14	
		For 70% Fluoropolymer Finish (Duranar), Add	69.41	
		For Clear Anodized Finish, Add	57.85	
		For Color Anodized Finish, Add	80.98	



<b>Openings</b>	<b>08</b>
<b>Windows</b>	<b>08 50</b>
<b>Metal Windows</b>	<b>08 51</b>

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0247 EA >6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....	1,501.35	111.15
For 50% Fluoropolymer Finish (Acrynar), Add	26.32	
For 70% Fluoropolymer Finish (Duranar), Add	78.97	
For Clear Anodized Finish, Add	65.80	
For Color Anodized Finish, Add	92.13	
08 51 13 00-0248 EA >10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....	1,699.18	117.69
For 50% Fluoropolymer Finish (Acrynar), Add	30.06	
For 70% Fluoropolymer Finish (Duranar), Add	90.18	
For Clear Anodized Finish, Add	75.15	
For Color Anodized Finish, Add	105.21	
08 51 13 00-0249 SF >15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....	106.74	3.93
For 50% Fluoropolymer Finish (Acrynar), Add	2.00	
For 70% Fluoropolymer Finish (Duranar), Add	6.01	
For Clear Anodized Finish, Add	5.01	
For Color Anodized Finish, Add	7.01	
<b>08 51 13 00-0250 Aluminum Window Accessories (08 51 13)</b>		
<b>08 51 13 00-0251 Aluminum Window Mullions (08 51 13 00-0250)</b>		
08 51 13 00-0252 LF Integral Mullions For Aluminum Windows.....	24.19	4.90
For 50% Fluoropolymer Finish (Acrynar), Add	0.30	
For 70% Fluoropolymer Finish (Duranar), Add	0.91	
For Clear Anodized Finish, Add	0.76	
For Color Anodized Finish, Add	1.06	
<b>08 51 13 00-0253 Aluminum Window Panning (08 51 13 00-0250)</b>		
Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.		
08 51 13 00-0254 EA Up To 6 SF Window, Aluminum Window Panning.....	252.19	43.81
For 50% Fluoropolymer Finish (Acrynar), Add	3.58	
For 70% Fluoropolymer Finish (Duranar), Add	10.75	
For Clear Anodized Finish, Add	8.96	
For Color Anodized Finish, Add	12.54	
08 51 13 00-0255 EA >6 To 10 SF Window, Aluminum Window Panning.....	352.68	73.03
For 50% Fluoropolymer Finish (Acrynar), Add	4.62	
For 70% Fluoropolymer Finish (Duranar), Add	13.86	
For Clear Anodized Finish, Add	11.55	
For Color Anodized Finish, Add	16.17	
08 51 13 00-0256 EA >10 To 15 SF Window, Aluminum Window Panning.....	435.14	109.55
For 50% Fluoropolymer Finish (Acrynar), Add	5.05	
For 70% Fluoropolymer Finish (Duranar), Add	15.15	
For Clear Anodized Finish, Add	12.63	
For Color Anodized Finish, Add	17.68	
08 51 13 00-0257 EA >15 To 20 SF Window, Aluminum Window Panning.....	521.90	146.06
For 50% Fluoropolymer Finish (Acrynar), Add	5.57	
For 70% Fluoropolymer Finish (Duranar), Add	16.71	
For Clear Anodized Finish, Add	13.92	
For Color Anodized Finish, Add	19.49	
08 51 13 00-0258 EA >20 To 30 SF Window, Aluminum Window Panning.....	693.26	219.09
For 50% Fluoropolymer Finish (Acrynar), Add	6.56	
For 70% Fluoropolymer Finish (Duranar), Add	19.69	
For Clear Anodized Finish, Add	16.41	
For Color Anodized Finish, Add	22.97	
08 51 13 00-0259 SF >30 SF Window, Aluminum Window Panning.....	25.47	9.13
For 50% Fluoropolymer Finish (Acrynar), Add	0.21	
For 70% Fluoropolymer Finish (Duranar), Add	0.62	
For Clear Anodized Finish, Add	0.51	
For Color Anodized Finish, Add	0.72	
<b>08 51 13 00-0260 Aluminum Window Muntins, Grilles Or Dividers (08 51 13 00-0250)</b>		
08 51 13 00-0261 SF Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows.....	7.51	4.90
For 50% Fluoropolymer Finish (Acrynar), Add	0.02	
For 70% Fluoropolymer Finish (Duranar), Add	0.06	
For Clear Anodized Finish, Add	0.05	
For Color Anodized Finish, Add	0.07	
08 51 13 00-0262 SF Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows.....	10.32	4.90
For 50% Fluoropolymer Finish (Acrynar), Add	0.08	
For 70% Fluoropolymer Finish (Duranar), Add	0.23	
For Clear Anodized Finish, Add	0.19	
For Color Anodized Finish, Add	0.26	
08 51 13 00-0263 SF Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows.....	21.75	4.90
For 50% Fluoropolymer Finish (Acrynar), Add	0.11	
For 70% Fluoropolymer Finish (Duranar), Add	0.32	
For Clear Anodized Finish, Add	0.27	
For Color Anodized Finish, Add	0.38	
08 51 13 00-0264 SF True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows.....	26.08	4.90
For 50% Fluoropolymer Finish (Acrynar), Add	0.15	
For 70% Fluoropolymer Finish (Duranar), Add	0.45	
For Clear Anodized Finish, Add	0.38	
For Color Anodized Finish, Add	0.53	

08	<b>08</b>	<b>Openings</b>
	08 50	<b>Windows</b>
	08 51	<b>Metal Windows</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 51 13 00-0265</b> Other Aluminum Window Accessories <small>(08 51 13 00-0250)</small>		
08 51 13 00-0266 EA Roto Operator For Casement Aluminum Windows .....	192.31	21.78
08 51 13 00-0267 EA Head And Sill Automatic Locks For Hung Aluminum Windows.....	97.33	21.78
<b>08 51 19</b> <b>Stainless-Steel Windows</b> <small>(08 51)</small>		
See CSI section 08 80 00 00-0000 for glazing.		
<b>08 51 19 00-0001</b> Stainless Steel Windows Types <small>(08 51 19)</small>		
<b>08 51 19 00-0002</b> Industrial <small>(08 51 19 00-0001)</small>		
08 51 19 00-0003 SF Stainless Steel Window With Horizontal Pivot Sash .....	87.72	6.54
08 51 19 00-0004 SF Stainless Steel Window, Fixed Sash.....	66.04	6.54
<b>08 51 19 00-0005</b> Projected Sash <small>(08 51 19 00-0001)</small>		
08 51 19 00-0006 SF Commercial Projected Sash Window - 40% Vented Stainless Steel.....	91.77	6.54
08 51 19 00-0007 SF Intermediate Projected Sash Window - 40% Vented Stainless Steel.....	101.36	6.54
<b>08 51 19 00-0008</b> Other Type Sash <small>(08 51 19 00-0001)</small>		
08 51 19 00-0009 SF Double Hung Stainless Steel Window Sash .....	110.92	6.54
08 51 19 00-0010 SF Single Hung Stainless Steel Window Sash.....	78.35	6.54
08 51 19 00-0011 SF Stainless Steel Picture Window Sash .....	65.40	6.54
08 51 19 00-0012 SF Sliding Stainless Steel Window.....	114.43	6.54
<b>08 51 19 00-0013</b> Casements <small>(08 51 19 00-0001)</small>		
08 51 19 00-0014 SF Stainless Steel Window Casements, 100% Vented Operable, Factory Primed .....	99.37	6.54
08 51 19 00-0015 SF Stainless Steel Window Casements, 50% Vented Operable, Factory Primed .....	85.89	6.54
08 51 19 00-0016 SF Stainless Steel Window Casements, Fixed Sash, Factory Primed .....	60.46	6.54
<b>08 51 23</b> <b>Steel Windows</b> <small>(08 51)</small>		
Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.		
<b>08 51 23 00-0001</b> Steel Windows <small>(08 51 23)</small>		
<b>08 51 23 00-0002</b> Industrial <small>(08 51 23 00-0001)</small>		
08 51 23 00-0003 SF Industrial Steel Window With Horizontal Pivot Sash .....	50.86	6.54
08 51 23 00-0004 SF Industrial Steel Window, With Fixed Sash .....	46.02	6.54
08 51 23 00-0005 SF Industrial Steel Window, With Operable Security Sash.....	70.73	6.54
08 51 23 00-0006 SF Industrial Steel Window, With Fixed Security Sash.....	61.04	6.54
<b>08 51 23 00-0007</b> Projected Sash <small>(08 51 23 00-0001)</small>		
08 51 23 00-0008 SF Commercial Projected Sash Window - 40% Vented Steel.....	55.92	6.54
08 51 23 00-0009 SF Intermediate Projected Sash Window - 40% Vented Steel .....	61.24	6.54
<b>08 51 23 00-0010</b> Other Type Sash <small>(08 51 23 00-0001)</small>		
08 51 23 00-0011 SF Double Hung Steel Window Sash.....	70.65	6.54
08 51 23 00-0012 SF Steel Picture Window Sash.....	32.72	6.54
08 51 23 00-0013 SF Fire Rated Double Hung Steel Window Sash .....	72.75	8.18
08 51 23 00-0014 SF Single Hung Steel Window Sash .....	51.20	6.54
<b>08 51 23 00-0015</b> Casements <small>(08 51 23 00-0001)</small>		
08 51 23 00-0016 SF Steel Window Casements, 100% Vented Operable, Factory Primed.....	63.76	3.27
08 51 23 00-0017 SF Steel Window Casements, 50% Vented Operable, Factory Primed.....	55.71	3.27
08 51 23 00-0018 SF Steel Window Casements, Fixed Sash, Factory Primed.....	40.51	4.90
<b>08 51 23 00-0019</b> Mullions <small>(08 51 23 00-0001)</small>		
08 51 23 00-0020 LF Open Faced Steel Mullion.....	25.04	4.90
08 51 23 00-0021 LF Covered Steel Mullions .....	40.27	4.90
<b>08 51 23 00-0022</b> Removal And Reinstallation Of Metal Window And Frame <small>(08 51 23)</small>		
Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.		
08 51 23 00-0023 SF Removal And Reinstallation Of Metal Window And Frame .....	16.81	
<b>08 51 69</b> <b>Metal Storm Windows</b> <small>(08 51)</small>		
<b>08 51 69 00-0001</b> Storm Windows <small>(08 51 69)</small>		
08 51 69 00-0002 SF Double Hung, Aluminum, Combination Storm And Screen.....	30.90	3.27



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 52 Wood Windows** (08 50)

**08 52 11 Wood Windows** (08 52)

**08 52 11 00-0001 Sash-Only Replacement Kits For Double Hung Wood Windows** (08 52 11)

Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.

**08 52 11 00-0002 30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows**

08 52 11 00-0003	EA 20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	320.24
	For Low-E Insulated Glass, Add	26.46
	For Aluminum Clad Exterior, Add	28.35
08 52 11 00-0004	EA 24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	339.94
	For Low-E Insulated Glass, Add	28.37
	For Aluminum Clad Exterior, Add	30.39
08 52 11 00-0005	EA 28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	361.00
	For Low-E Insulated Glass, Add	30.46
	For Aluminum Clad Exterior, Add	32.64
08 52 11 00-0006	EA 30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	372.21
	For Low-E Insulated Glass, Add	31.61
	For Aluminum Clad Exterior, Add	33.86
08 52 11 00-0007	EA 32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	382.06
	For Low-E Insulated Glass, Add	32.56
	For Aluminum Clad Exterior, Add	34.88
08 52 11 00-0008	EA 34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	394.64
	For Low-E Insulated Glass, Add	33.89
	For Aluminum Clad Exterior, Add	36.31
08 52 11 00-0009	EA 36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	400.46
	For Low-E Insulated Glass, Add	34.28
	For Aluminum Clad Exterior, Add	36.73
08 52 11 00-0010	EA 40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	425.55
	For Low-E Insulated Glass, Add	36.94
	For Aluminum Clad Exterior, Add	39.57
08 52 11 00-0011	EA 44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	446.60
	For Low-E Insulated Glass, Add	39.03
	For Aluminum Clad Exterior, Add	41.82

**08 52 11 00-0012 34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows**

08 52 11 00-0013	EA 20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	339.94
	For Low-E Insulated Glass, Add	28.37
	For Aluminum Clad Exterior, Add	30.39
08 52 11 00-0014	EA 24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	361.00
	For Low-E Insulated Glass, Add	30.46
	For Aluminum Clad Exterior, Add	32.64
08 52 11 00-0015	EA 28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	379.01
	For Low-E Insulated Glass, Add	32.56
	For Aluminum Clad Exterior, Add	34.88
08 52 11 00-0016	EA 30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	394.64
	For Low-E Insulated Glass, Add	33.89
	For Aluminum Clad Exterior, Add	36.31
08 52 11 00-0017	EA 32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	404.49
	For Low-E Insulated Glass, Add	34.84
	For Aluminum Clad Exterior, Add	37.33
08 52 11 00-0018	EA 34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	415.70
	For Low-E Insulated Glass, Add	35.98
	For Aluminum Clad Exterior, Add	38.55
08 52 11 00-0019	EA 36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	425.55
	For Low-E Insulated Glass, Add	36.94
	For Aluminum Clad Exterior, Add	39.57
08 52 11 00-0020	EA 40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	446.60
	For Low-E Insulated Glass, Add	39.03
	For Aluminum Clad Exterior, Add	41.82
08 52 11 00-0021	EA 44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	467.67
	For Low-E Insulated Glass, Add	41.13
	For Aluminum Clad Exterior, Add	44.06

**08 52 11 00-0022 36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows**

08 52 11 00-0023	EA 20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	349.62
	For Low-E Insulated Glass, Add	29.51
	For Aluminum Clad Exterior, Add	31.62
08 52 11 00-0024	EA 24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	370.68
	For Low-E Insulated Glass, Add	31.61
	For Aluminum Clad Exterior, Add	33.86
08 52 11 00-0025	EA 28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	393.11
	For Low-E Insulated Glass, Add	33.89
	For Aluminum Clad Exterior, Add	36.31
08 52 11 00-0026	EA 30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	402.96
	For Low-E Insulated Glass, Add	34.84
	For Aluminum Clad Exterior, Add	37.33

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0027	EA		32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	414.17	
			<i>For Low-E Insulated Glass, Add</i>	35.98	
			<i>For Aluminum Clad Exterior, Add</i>	38.55	
08 52 11 00-0028	EA		34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	424.02	
			<i>For Low-E Insulated Glass, Add</i>	36.94	
			<i>For Aluminum Clad Exterior, Add</i>	39.57	
08 52 11 00-0029	EA		36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	435.23	
			<i>For Low-E Insulated Glass, Add</i>	38.08	
			<i>For Aluminum Clad Exterior, Add</i>	40.80	
08 52 11 00-0030	EA		40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	454.93	
			<i>For Low-E Insulated Glass, Add</i>	39.98	
			<i>For Aluminum Clad Exterior, Add</i>	42.84	
08 52 11 00-0031	EA		44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	476.00	
			<i>For Low-E Insulated Glass, Add</i>	42.08	
			<i>For Aluminum Clad Exterior, Add</i>	45.08	
<b>08 52 11 00-0032</b>			<b>38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0031)</small>		
08 52 11 00-0033	EA		20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	362.52	
			<i>For Low-E Insulated Glass, Add</i>	30.46	
			<i>For Aluminum Clad Exterior, Add</i>	32.64	
08 52 11 00-0034	EA		24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	383.59	
			<i>For Low-E Insulated Glass, Add</i>	32.56	
			<i>For Aluminum Clad Exterior, Add</i>	34.88	
08 52 11 00-0035	EA		28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	406.01	
			<i>For Low-E Insulated Glass, Add</i>	34.84	
			<i>For Aluminum Clad Exterior, Add</i>	37.33	
08 52 11 00-0036	EA		30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	417.22	
			<i>For Low-E Insulated Glass, Add</i>	35.98	
			<i>For Aluminum Clad Exterior, Add</i>	38.55	
08 52 11 00-0037	EA		32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	427.07	
			<i>For Low-E Insulated Glass, Add</i>	36.94	
			<i>For Aluminum Clad Exterior, Add</i>	39.57	
08 52 11 00-0038	EA		34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	438.28	
			<i>For Low-E Insulated Glass, Add</i>	38.08	
			<i>For Aluminum Clad Exterior, Add</i>	40.80	
08 52 11 00-0039	EA		36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	448.13	
			<i>For Low-E Insulated Glass, Add</i>	39.03	
			<i>For Aluminum Clad Exterior, Add</i>	41.82	
08 52 11 00-0040	EA		40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	469.20	
			<i>For Low-E Insulated Glass, Add</i>	41.13	
			<i>For Aluminum Clad Exterior, Add</i>	44.06	
08 52 11 00-0041	EA		44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	490.26	
			<i>For Low-E Insulated Glass, Add</i>	43.22	
			<i>For Aluminum Clad Exterior, Add</i>	46.31	
<b>08 52 11 00-0042</b>			<b>46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0041)</small>		
08 52 11 00-0043	EA		20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	404.49	
			<i>For Low-E Insulated Glass, Add</i>	34.84	
			<i>For Aluminum Clad Exterior, Add</i>	37.33	
08 52 11 00-0044	EA		24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	425.55	
			<i>For Low-E Insulated Glass, Add</i>	36.94	
			<i>For Aluminum Clad Exterior, Add</i>	39.57	
08 52 11 00-0045	EA		28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	446.60	
			<i>For Low-E Insulated Glass, Add</i>	39.03	
			<i>For Aluminum Clad Exterior, Add</i>	41.82	
08 52 11 00-0046	EA		30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	456.46	
			<i>For Low-E Insulated Glass, Add</i>	39.98	
			<i>For Aluminum Clad Exterior, Add</i>	42.84	
08 52 11 00-0047	EA		32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	467.67	
			<i>For Low-E Insulated Glass, Add</i>	41.13	
			<i>For Aluminum Clad Exterior, Add</i>	44.06	
08 52 11 00-0048	EA		34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	477.52	
			<i>For Low-E Insulated Glass, Add</i>	42.08	
			<i>For Aluminum Clad Exterior, Add</i>	45.08	
08 52 11 00-0049	EA		36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	488.73	
			<i>For Low-E Insulated Glass, Add</i>	43.22	
			<i>For Aluminum Clad Exterior, Add</i>	46.31	
08 52 11 00-0050	EA		40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	509.79	
			<i>For Low-E Insulated Glass, Add</i>	45.31	
			<i>For Aluminum Clad Exterior, Add</i>	48.55	
08 52 11 00-0051	EA		44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	532.22	
			<i>For Low-E Insulated Glass, Add</i>	47.60	
			<i>For Aluminum Clad Exterior, Add</i>	51.00	
<b>08 52 11 00-0052</b>			<b>48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0051)</small>		
08 52 11 00-0053	EA		20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	414.17	
			<i>For Low-E Insulated Glass, Add</i>	35.98	
			<i>For Aluminum Clad Exterior, Add</i>	38.55	





<b>Openings</b>	<b>08</b>
Windows	08 50
Wood Windows	08 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0054 EA 24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	435.23	
For Low-E Insulated Glass, Add	38.08	
For Aluminum Clad Exterior, Add	40.80	
08 52 11 00-0055 EA 28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	454.93	
For Low-E Insulated Glass, Add	39.98	
For Aluminum Clad Exterior, Add	42.84	
08 52 11 00-0056 EA 30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	466.15	
For Low-E Insulated Glass, Add	41.13	
For Aluminum Clad Exterior, Add	44.06	
08 52 11 00-0057 EA 32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	476.00	
For Low-E Insulated Glass, Add	42.08	
For Aluminum Clad Exterior, Add	45.08	
08 52 11 00-0058 EA 34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	487.21	
For Low-E Insulated Glass, Add	43.22	
For Aluminum Clad Exterior, Add	46.31	
08 52 11 00-0059 EA 36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	497.06	
For Low-E Insulated Glass, Add	44.17	
For Aluminum Clad Exterior, Add	47.33	
08 52 11 00-0060 EA 40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	519.48	
For Low-E Insulated Glass, Add	46.46	
For Aluminum Clad Exterior, Add	49.77	
08 52 11 00-0061 EA 44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	540.55	
For Low-E Insulated Glass, Add	48.55	
For Aluminum Clad Exterior, Add	52.02	
<b>08 52 11 00-0062 50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
<small>(08 52 11 00-0001)</small>		
08 52 11 00-0063 EA 20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	427.07	
For Low-E Insulated Glass, Add	36.94	
For Aluminum Clad Exterior, Add	39.57	
08 52 11 00-0064 EA 24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	448.13	
For Low-E Insulated Glass, Add	39.03	
For Aluminum Clad Exterior, Add	41.82	
08 52 11 00-0065 EA 28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	469.20	
For Low-E Insulated Glass, Add	41.13	
For Aluminum Clad Exterior, Add	44.06	
08 52 11 00-0066 EA 30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	479.05	
For Low-E Insulated Glass, Add	42.08	
For Aluminum Clad Exterior, Add	45.08	
08 52 11 00-0067 EA 32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	490.26	
For Low-E Insulated Glass, Add	43.22	
For Aluminum Clad Exterior, Add	46.31	
08 52 11 00-0068 EA 34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	500.11	
For Low-E Insulated Glass, Add	44.17	
For Aluminum Clad Exterior, Add	47.33	
08 52 11 00-0069 EA 36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	511.32	
For Low-E Insulated Glass, Add	45.31	
For Aluminum Clad Exterior, Add	48.55	
08 52 11 00-0070 EA 40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	533.75	
For Low-E Insulated Glass, Add	47.60	
For Aluminum Clad Exterior, Add	51.00	
08 52 11 00-0071 EA 44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	554.81	
For Low-E Insulated Glass, Add	49.69	
For Aluminum Clad Exterior, Add	53.24	
<b>08 52 11 00-0072 54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
<small>(08 52 11 00-0001)</small>		
08 52 11 00-0073 EA 20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	448.13	
For Low-E Insulated Glass, Add	39.03	
For Aluminum Clad Exterior, Add	41.82	
08 52 11 00-0074 EA 24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	469.20	
For Low-E Insulated Glass, Add	41.13	
For Aluminum Clad Exterior, Add	44.06	
08 52 11 00-0075 EA 28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	490.26	
For Low-E Insulated Glass, Add	43.22	
For Aluminum Clad Exterior, Add	46.31	
08 52 11 00-0076 EA 30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	500.11	
For Low-E Insulated Glass, Add	44.17	
For Aluminum Clad Exterior, Add	47.33	
08 52 11 00-0077 EA 32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	511.32	
For Low-E Insulated Glass, Add	45.31	
For Aluminum Clad Exterior, Add	48.55	
08 52 11 00-0078 EA 34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	522.54	
For Low-E Insulated Glass, Add	46.46	
For Aluminum Clad Exterior, Add	49.77	
08 52 11 00-0079 EA 36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	533.75	
For Low-E Insulated Glass, Add	47.60	
For Aluminum Clad Exterior, Add	51.00	
08 52 11 00-0080 EA 40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	554.81	
For Low-E Insulated Glass, Add	49.69	
For Aluminum Clad Exterior, Add	53.24	
08 52 11 00-0081 EA 44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	575.87	
For Low-E Insulated Glass, Add	51.79	
For Aluminum Clad Exterior, Add	55.49	

**08 Openings****08 50 Windows****08 52 Wood Windows**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>08 52 11 00-0082</b>	<b>58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0083	EA 20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	467.67	
	<i>For Low-E Insulated Glass, Add</i>	41.13	
	<i>For Aluminum Clad Exterior, Add</i>	44.06	
08 52 11 00-0084	EA 24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	488.73	
	<i>For Low-E Insulated Glass, Add</i>	43.22	
	<i>For Aluminum Clad Exterior, Add</i>	46.31	
08 52 11 00-0085	EA 28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	509.79	
	<i>For Low-E Insulated Glass, Add</i>	45.31	
	<i>For Aluminum Clad Exterior, Add</i>	48.55	
08 52 11 00-0086	EA 30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	521.00	
	<i>For Low-E Insulated Glass, Add</i>	46.46	
	<i>For Aluminum Clad Exterior, Add</i>	49.77	
08 52 11 00-0087	EA 32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	532.22	
	<i>For Low-E Insulated Glass, Add</i>	47.60	
	<i>For Aluminum Clad Exterior, Add</i>	51.00	
08 52 11 00-0088	EA 34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	542.07	
	<i>For Low-E Insulated Glass, Add</i>	48.55	
	<i>For Aluminum Clad Exterior, Add</i>	52.02	
08 52 11 00-0089	EA 36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	553.28	
	<i>For Low-E Insulated Glass, Add</i>	49.69	
	<i>For Aluminum Clad Exterior, Add</i>	53.24	
08 52 11 00-0090	EA 40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	574.34	
	<i>For Low-E Insulated Glass, Add</i>	51.79	
	<i>For Aluminum Clad Exterior, Add</i>	55.49	
08 52 11 00-0091	EA 44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	594.05	
	<i>For Low-E Insulated Glass, Add</i>	53.69	
	<i>For Aluminum Clad Exterior, Add</i>	57.53	
<b>08 52 11 00-0092</b>	<b>60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0093	EA 20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	476.00	
	<i>For Low-E Insulated Glass, Add</i>	42.08	
	<i>For Aluminum Clad Exterior, Add</i>	45.08	
08 52 11 00-0094	EA 24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	497.06	
	<i>For Low-E Insulated Glass, Add</i>	44.17	
	<i>For Aluminum Clad Exterior, Add</i>	47.33	
08 52 11 00-0095	EA 28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	519.48	
	<i>For Low-E Insulated Glass, Add</i>	46.46	
	<i>For Aluminum Clad Exterior, Add</i>	49.77	
08 52 11 00-0096	EA 30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	530.70	
	<i>For Low-E Insulated Glass, Add</i>	47.60	
	<i>For Aluminum Clad Exterior, Add</i>	51.00	
08 52 11 00-0097	EA 32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	540.55	
	<i>For Low-E Insulated Glass, Add</i>	48.55	
	<i>For Aluminum Clad Exterior, Add</i>	52.02	
08 52 11 00-0098	EA 34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	551.76	
	<i>For Low-E Insulated Glass, Add</i>	49.69	
	<i>For Aluminum Clad Exterior, Add</i>	53.24	
08 52 11 00-0099	EA 36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	561.61	
	<i>For Low-E Insulated Glass, Add</i>	50.65	
	<i>For Aluminum Clad Exterior, Add</i>	54.26	
08 52 11 00-0100	EA 40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	582.67	
	<i>For Low-E Insulated Glass, Add</i>	52.74	
	<i>For Aluminum Clad Exterior, Add</i>	56.51	
08 52 11 00-0101	EA 44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	603.74	
	<i>For Low-E Insulated Glass, Add</i>	54.83	
	<i>For Aluminum Clad Exterior, Add</i>	58.75	
<b>08 52 11 00-0102</b>	<b>62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0103	EA 20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	490.26	
	<i>For Low-E Insulated Glass, Add</i>	43.22	
	<i>For Aluminum Clad Exterior, Add</i>	46.31	
08 52 11 00-0104	EA 24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	511.32	
	<i>For Low-E Insulated Glass, Add</i>	45.31	
	<i>For Aluminum Clad Exterior, Add</i>	48.55	
08 52 11 00-0105	EA 28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	533.75	
	<i>For Low-E Insulated Glass, Add</i>	47.60	
	<i>For Aluminum Clad Exterior, Add</i>	51.00	
08 52 11 00-0106	EA 30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	543.60	
	<i>For Low-E Insulated Glass, Add</i>	48.55	
	<i>For Aluminum Clad Exterior, Add</i>	52.02	
08 52 11 00-0107	EA 32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	554.81	
	<i>For Low-E Insulated Glass, Add</i>	49.69	
	<i>For Aluminum Clad Exterior, Add</i>	53.24	
08 52 11 00-0108	EA 34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	564.66	
	<i>For Low-E Insulated Glass, Add</i>	50.65	
	<i>For Aluminum Clad Exterior, Add</i>	54.26	



<b>Openings</b>	<b>08</b>
<b>Windows</b>	<b>08 50</b>
<b>Wood Windows</b>	<b>08 52</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0109 EA 36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	575.87	
<i>For Low-E Insulated Glass, Add</i>	51.79	
<i>For Aluminum Clad Exterior, Add</i>	55.49	
08 52 11 00-0110 EA 40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	595.58	
<i>For Low-E Insulated Glass, Add</i>	53.69	
<i>For Aluminum Clad Exterior, Add</i>	57.53	
08 52 11 00-0111 EA 44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	616.63	
<i>For Low-E Insulated Glass, Add</i>	55.79	
<i>For Aluminum Clad Exterior, Add</i>	59.77	
<b>08 52 11 00-0112 66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
<small>(08 52 11 00-0001)</small>		
08 52 11 00-0113 EA 20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	511.32	
<i>For Low-E Insulated Glass, Add</i>	45.31	
<i>For Aluminum Clad Exterior, Add</i>	48.55	
08 52 11 00-0114 EA 24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	533.75	
<i>For Low-E Insulated Glass, Add</i>	47.60	
<i>For Aluminum Clad Exterior, Add</i>	51.00	
08 52 11 00-0115 EA 28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	554.81	
<i>For Low-E Insulated Glass, Add</i>	49.69	
<i>For Aluminum Clad Exterior, Add</i>	53.24	
08 52 11 00-0116 EA 30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	564.66	
<i>For Low-E Insulated Glass, Add</i>	50.65	
<i>For Aluminum Clad Exterior, Add</i>	54.26	
08 52 11 00-0117 EA 32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	575.87	
<i>For Low-E Insulated Glass, Add</i>	51.79	
<i>For Aluminum Clad Exterior, Add</i>	55.49	
08 52 11 00-0118 EA 34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	585.72	
<i>For Low-E Insulated Glass, Add</i>	52.74	
<i>For Aluminum Clad Exterior, Add</i>	56.51	
08 52 11 00-0119 EA 36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	595.58	
<i>For Low-E Insulated Glass, Add</i>	53.69	
<i>For Aluminum Clad Exterior, Add</i>	57.53	
08 52 11 00-0120 EA 40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	616.63	
<i>For Low-E Insulated Glass, Add</i>	55.79	
<i>For Aluminum Clad Exterior, Add</i>	59.77	
08 52 11 00-0121 EA 44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	637.69	
<i>For Low-E Insulated Glass, Add</i>	57.88	
<i>For Aluminum Clad Exterior, Add</i>	62.01	
<b>08 52 11 00-0122 70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
<small>(08 52 11 00-0001)</small>		
08 52 11 00-0123 EA 20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	532.22	
<i>For Low-E Insulated Glass, Add</i>	47.60	
<i>For Aluminum Clad Exterior, Add</i>	51.00	
08 52 11 00-0124 EA 24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	553.28	
<i>For Low-E Insulated Glass, Add</i>	49.69	
<i>For Aluminum Clad Exterior, Add</i>	53.24	
08 52 11 00-0125 EA 28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	574.34	
<i>For Low-E Insulated Glass, Add</i>	51.79	
<i>For Aluminum Clad Exterior, Add</i>	55.49	
08 52 11 00-0126 EA 30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	584.19	
<i>For Low-E Insulated Glass, Add</i>	52.74	
<i>For Aluminum Clad Exterior, Add</i>	56.51	
08 52 11 00-0127 EA 32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	594.05	
<i>For Low-E Insulated Glass, Add</i>	53.69	
<i>For Aluminum Clad Exterior, Add</i>	57.53	
08 52 11 00-0128 EA 34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	609.29	
<i>For Low-E Insulated Glass, Add</i>	55.40	
<i>For Aluminum Clad Exterior, Add</i>	59.36	
08 52 11 00-0129 EA 36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	616.53	
<i>For Low-E Insulated Glass, Add</i>	55.98	
<i>For Aluminum Clad Exterior, Add</i>	59.98	
08 52 11 00-0130 EA 40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	636.17	
<i>For Low-E Insulated Glass, Add</i>	57.88	
<i>For Aluminum Clad Exterior, Add</i>	62.01	
08 52 11 00-0131 EA 44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	658.59	
<i>For Low-E Insulated Glass, Add</i>	60.17	
<i>For Aluminum Clad Exterior, Add</i>	64.46	
<b>08 52 11 00-0132 74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
<small>(08 52 11 00-0001)</small>		
08 52 11 00-0133 EA 20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	554.81	
<i>For Low-E Insulated Glass, Add</i>	49.69	
<i>For Aluminum Clad Exterior, Add</i>	53.24	
08 52 11 00-0134 EA 24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	575.87	
<i>For Low-E Insulated Glass, Add</i>	51.79	
<i>For Aluminum Clad Exterior, Add</i>	55.49	
08 52 11 00-0135 EA 28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	595.58	
<i>For Low-E Insulated Glass, Add</i>	53.69	
<i>For Aluminum Clad Exterior, Add</i>	57.53	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0136	EA		30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	606.79	
			<i>For Low-E Insulated Glass, Add</i>	54.83	
			<i>For Aluminum Clad Exterior, Add</i>	58.75	
08 52 11 00-0137	EA		32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	616.63	
			<i>For Low-E Insulated Glass, Add</i>	55.79	
			<i>For Aluminum Clad Exterior, Add</i>	59.77	
08 52 11 00-0138	EA		34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	627.84	
			<i>For Low-E Insulated Glass, Add</i>	56.93	
			<i>For Aluminum Clad Exterior, Add</i>	60.99	
08 52 11 00-0139	EA		36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	637.69	
			<i>For Low-E Insulated Glass, Add</i>	57.88	
			<i>For Aluminum Clad Exterior, Add</i>	62.01	
08 52 11 00-0140	EA		40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	660.12	
			<i>For Low-E Insulated Glass, Add</i>	60.17	
			<i>For Aluminum Clad Exterior, Add</i>	64.46	
08 52 11 00-0141	EA		44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	681.18	
			<i>For Low-E Insulated Glass, Add</i>	62.26	
			<i>For Aluminum Clad Exterior, Add</i>	66.71	
<b>08 52 11 00-0142</b>			<b>78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0143	EA		20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	581.98	
			<i>For Low-E Insulated Glass, Add</i>	51.79	
			<i>For Aluminum Clad Exterior, Add</i>	55.49	
08 52 11 00-0144	EA		24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	601.67	
			<i>For Low-E Insulated Glass, Add</i>	53.69	
			<i>For Aluminum Clad Exterior, Add</i>	57.53	
08 52 11 00-0145	EA		28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	622.73	
			<i>For Low-E Insulated Glass, Add</i>	55.79	
			<i>For Aluminum Clad Exterior, Add</i>	59.77	
08 52 11 00-0146	EA		30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	633.94	
			<i>For Low-E Insulated Glass, Add</i>	56.93	
			<i>For Aluminum Clad Exterior, Add</i>	60.99	
08 52 11 00-0147	EA		32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	643.80	
			<i>For Low-E Insulated Glass, Add</i>	57.88	
			<i>For Aluminum Clad Exterior, Add</i>	62.01	
08 52 11 00-0148	EA		34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	655.01	
			<i>For Low-E Insulated Glass, Add</i>	59.02	
			<i>For Aluminum Clad Exterior, Add</i>	63.24	
08 52 11 00-0149	EA		36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	666.22	
			<i>For Low-E Insulated Glass, Add</i>	60.17	
			<i>For Aluminum Clad Exterior, Add</i>	64.46	
08 52 11 00-0150	EA		40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	687.28	
			<i>For Low-E Insulated Glass, Add</i>	62.26	
			<i>For Aluminum Clad Exterior, Add</i>	66.71	
08 52 11 00-0151	EA		44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	708.34	
			<i>For Low-E Insulated Glass, Add</i>	64.35	
			<i>For Aluminum Clad Exterior, Add</i>	68.95	
<b>08 52 11 00-0152</b>			<b>Commercial And Institutional Heavy Double Hung Windows</b> <small>(08 52 11)</small>		
			Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0153	SF		Up To 21 SF Double Hung Wood Window With True Divided Lite .....	93.52	13.63
			<i>For Insulating Glass, Add</i>	5.63	
08 52 11 00-0154	SF		21 To 40 SF Double Hung Wood Window With True Divided Lite .....	89.62	15.15
			<i>For Insulating Glass, Add</i>	5.04	
08 52 11 00-0155	SF		40 SF And Over Double Hung Wood Window With True Divided Lite .....	86.27	17.00
			<i>For Insulating Glass, Add</i>	4.44	
<b>08 52 11 00-0156</b>			<b>Architectural And Historic Reproduction Wood Windows</b> <small>(08 52 11)</small>		
			Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0157	SF		Up To 21 SF Architectural And Historic Reproduction Wood Window .....	100.51	13.62
			<i>For Insulating Glass, Add</i>	6.23	
08 52 11 00-0158	SF		21 To 40 SF Architectural And Historic Reproduction Wood Window .....	93.39	15.14
			<i>For Insulating Glass, Add</i>	5.37	
08 52 11 00-0159	SF		40 SF And Over Architectural And Historic Reproduction Wood Window .....	88.48	16.99
			<i>For Insulating Glass, Add</i>	4.63	
<b>08 52 11 00-0160</b>			<b>Removal And Reinstallation Of Wood Window And Frame</b> <small>(08 52 11)</small>		
			Note: Includes storage, cleaning and supply materials.		
08 52 11 00-0161	SF		Removal And Reinstallation Of Wood Windows And Frames .....	25.18	
<b>08 52 16</b>			<b>Plastic-Clad Wood Windows</b> <small>(08 52)</small>		
<b>08 52 16 00-0001</b>			<b>Double Hung Wood Clad Windows</b> <small>(08 52 16)</small>		
			Note: Double hung windows feature two movable sashes that operate vertically and open independently.		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0002 Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0001)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0003 35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0004 EA 23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	307.33	50.12
For Low-E Insulated Glass, Add	24.85	
For Tempered Clear Insulated Glass, Add	41.41	
08 52 16 00-0005 EA 27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	325.12	52.31
For Low-E Insulated Glass, Add	26.46	
For Tempered Clear Insulated Glass, Add	44.10	
08 52 16 00-0006 EA 31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	341.78	54.48
For Low-E Insulated Glass, Add	27.94	
For Tempered Clear Insulated Glass, Add	46.56	
08 52 16 00-0007 EA 35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	358.46	56.67
For Low-E Insulated Glass, Add	29.42	
For Tempered Clear Insulated Glass, Add	49.03	
08 52 16 00-0008 41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0009 EA 23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	332.89	53.40
For Low-E Insulated Glass, Add	27.13	
For Tempered Clear Insulated Glass, Add	45.22	
08 52 16 00-0010 EA 27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	350.68	55.57
For Low-E Insulated Glass, Add	28.74	
For Tempered Clear Insulated Glass, Add	47.91	
08 52 16 00-0011 EA 31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	367.36	57.76
For Low-E Insulated Glass, Add	30.22	
For Tempered Clear Insulated Glass, Add	50.37	
08 52 16 00-0012 EA 35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	384.02	59.93
For Low-E Insulated Glass, Add	31.70	
For Tempered Clear Insulated Glass, Add	52.83	
08 52 16 00-0013 47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0014 EA 23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	358.46	56.67
For Low-E Insulated Glass, Add	29.42	
For Tempered Clear Insulated Glass, Add	49.03	
08 52 16 00-0015 EA 27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	375.13	58.85
For Low-E Insulated Glass, Add	30.89	
For Tempered Clear Insulated Glass, Add	51.49	
08 52 16 00-0016 EA 31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	392.92	61.02
For Low-E Insulated Glass, Add	32.50	
For Tempered Clear Insulated Glass, Add	54.17	
08 52 16 00-0017 EA 35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	409.59	63.21
For Low-E Insulated Glass, Add	33.98	
For Tempered Clear Insulated Glass, Add	56.64	
08 52 16 00-0018 53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0019 EA 23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	384.02	59.93
For Low-E Insulated Glass, Add	31.70	
For Tempered Clear Insulated Glass, Add	52.83	
08 52 16 00-0020 EA 27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	400.70	62.12
For Low-E Insulated Glass, Add	33.18	
For Tempered Clear Insulated Glass, Add	55.29	
08 52 16 00-0021 EA 31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	417.37	64.29
For Low-E Insulated Glass, Add	34.65	
For Tempered Clear Insulated Glass, Add	57.76	
08 52 16 00-0022 EA 35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	435.16	66.47
For Low-E Insulated Glass, Add	36.27	
For Tempered Clear Insulated Glass, Add	60.44	
08 52 16 00-0023 56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0024 EA 19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	379.58	59.93
For Low-E Insulated Glass, Add	31.30	
For Tempered Clear Insulated Glass, Add	52.16	
08 52 16 00-0025 EA 23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	396.25	61.57
For Low-E Insulated Glass, Add	32.77	
For Tempered Clear Insulated Glass, Add	54.62	
08 52 16 00-0026 EA 27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	414.04	64.29
For Low-E Insulated Glass, Add	34.38	
For Tempered Clear Insulated Glass, Add	57.31	
08 52 16 00-0027 EA 31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	430.71	66.47
For Low-E Insulated Glass, Add	35.86	
For Tempered Clear Insulated Glass, Add	59.77	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0028	EA		35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	447.39	68.65
			<i>For Low-E Insulated Glass, Add</i>	37.34	
			<i>For Tempered Clear Insulated Glass, Add</i>	62.23	
08 52 16 00-0029	EA		39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	464.05	70.83
			<i>For Low-E Insulated Glass, Add</i>	38.82	
			<i>For Tempered Clear Insulated Glass, Add</i>	64.70	
<b>08 52 16 00-0030</b>			<b>59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> <small>(08 52 16 00-0002)</small>		
08 52 16 00-0031	EA		19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	392.92	61.02
			<i>For Low-E Insulated Glass, Add</i>	32.50	
			<i>For Tempered Clear Insulated Glass, Add</i>	54.17	
08 52 16 00-0032	EA		23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	409.59	63.21
			<i>For Low-E Insulated Glass, Add</i>	33.98	
			<i>For Tempered Clear Insulated Glass, Add</i>	56.64	
08 52 16 00-0033	EA		27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	426.27	65.38
			<i>For Low-E Insulated Glass, Add</i>	35.46	
			<i>For Tempered Clear Insulated Glass, Add</i>	59.10	
08 52 16 00-0034	EA		31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	442.93	67.57
			<i>For Low-E Insulated Glass, Add</i>	36.94	
			<i>For Tempered Clear Insulated Glass, Add</i>	61.56	
08 52 16 00-0035	EA		35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	459.60	69.74
			<i>For Low-E Insulated Glass, Add</i>	38.41	
			<i>For Tempered Clear Insulated Glass, Add</i>	64.02	
08 52 16 00-0036	EA		39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	477.39	71.92
			<i>For Low-E Insulated Glass, Add</i>	40.03	
			<i>For Tempered Clear Insulated Glass, Add</i>	66.71	
<b>08 52 16 00-0037</b>			<b>65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> <small>(08 52 16 00-0002)</small>		
08 52 16 00-0038	EA		23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	435.16	66.47
			<i>For Low-E Insulated Glass, Add</i>	36.27	
			<i>For Tempered Clear Insulated Glass, Add</i>	60.44	
08 52 16 00-0039	EA		27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	451.83	68.65
			<i>For Low-E Insulated Glass, Add</i>	37.74	
			<i>For Tempered Clear Insulated Glass, Add</i>	62.90	
08 52 16 00-0040	EA		31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	468.51	70.83
			<i>For Low-E Insulated Glass, Add</i>	39.22	
			<i>For Tempered Clear Insulated Glass, Add</i>	65.37	
08 52 16 00-0041	EA		35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	485.17	73.02
			<i>For Low-E Insulated Glass, Add</i>	40.70	
			<i>For Tempered Clear Insulated Glass, Add</i>	67.83	
<b>08 52 16 00-0042</b>			<b>71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> <small>(08 52 16 00-0002)</small>		
08 52 16 00-0043	EA		23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	459.60	69.74
			<i>For Low-E Insulated Glass, Add</i>	38.41	
			<i>For Tempered Clear Insulated Glass, Add</i>	64.02	
08 52 16 00-0044	EA		27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	477.39	71.92
			<i>For Low-E Insulated Glass, Add</i>	40.03	
			<i>For Tempered Clear Insulated Glass, Add</i>	66.71	
08 52 16 00-0045	EA		31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	494.07	74.10
			<i>For Low-E Insulated Glass, Add</i>	41.50	
			<i>For Tempered Clear Insulated Glass, Add</i>	69.17	
08 52 16 00-0046	EA		35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	510.75	76.28
			<i>For Low-E Insulated Glass, Add</i>	42.98	
			<i>For Tempered Clear Insulated Glass, Add</i>	71.64	
<b>08 52 16 00-0047</b>			<b>Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0001)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0048</b>			<b>36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0049	EA		21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	373.40	50.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	54.85	
08 52 16 00-0050	EA		25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	395.66	51.77
			<i>For Tempered Low-E Insulated Glass, Add</i>	58.43	
08 52 16 00-0051	EA		29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	419.05	53.94
			<i>For Tempered Low-E Insulated Glass, Add</i>	62.23	
08 52 16 00-0052	EA		31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	431.31	55.57
			<i>For Tempered Low-E Insulated Glass, Add</i>	64.25	
08 52 16 00-0053	EA		33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	442.43	56.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	66.04	
08 52 16 00-0054	EA		35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	453.57	57.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	67.83	
08 52 16 00-0055	EA		37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	465.82	58.30
			<i>For Tempered Low-E Insulated Glass, Add</i>	69.84	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0056	EA		41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	488.09 73.43	60.48
08 52 16 00-0057	EA		45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	511.48 77.23	62.66
<b>08 52 16 00-0058</b>			<b>40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0059	EA		21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	395.66 58.43	52.31
08 52 16 00-0060	EA		25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	419.05 62.23	53.94
08 52 16 00-0061	EA		29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	442.43 66.04	56.13
08 52 16 00-0062	EA		31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	453.57 67.83	57.76
08 52 16 00-0063	EA		33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	465.82 69.84	58.85
08 52 16 00-0064	EA		35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	476.96 71.64	59.93
08 52 16 00-0065	EA		37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	488.09 73.43	60.48
08 52 16 00-0066	EA		41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	511.48 77.23	62.66
08 52 16 00-0067	EA		45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	534.86 81.04	64.84
<b>08 52 16 00-0068</b>			<b>44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0069	EA		21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	419.05 62.23	54.48
08 52 16 00-0070	EA		25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	442.43 66.04	56.13
08 52 16 00-0071	EA		29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	465.82 69.84	58.30
08 52 16 00-0072	EA		31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	476.96 71.64	59.93
08 52 16 00-0073	EA		33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	488.09 73.43	61.02
08 52 16 00-0074	EA		35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	500.34 75.44	62.12
08 52 16 00-0075	EA		37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	511.48 77.23	62.66
08 52 16 00-0076	EA		41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	534.86 81.04	64.84
08 52 16 00-0077	EA		45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	558.25 84.84	67.02
<b>08 52 16 00-0078</b>			<b>48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0079	EA		21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	442.43 66.04	56.67
08 52 16 00-0080	EA		25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	465.82 69.84	58.30
08 52 16 00-0081	EA		29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	488.09 73.43	60.48
08 52 16 00-0082	EA		31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	500.34 75.44	62.12
08 52 16 00-0083	EA		33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	511.48 77.23	63.21
08 52 16 00-0084	EA		35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	522.61 79.02	64.29
08 52 16 00-0085	EA		37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	534.86 81.04	64.84
08 52 16 00-0086	EA		41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	558.25 84.84	67.02
08 52 16 00-0087	EA		45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	580.52 88.42	69.20
<b>08 52 16 00-0088</b>			<b>52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0089	EA		21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	465.82 69.84	58.85
08 52 16 00-0090	EA		25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	488.09 73.43	60.48
08 52 16 00-0091	EA		29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	511.48 77.23	62.66
08 52 16 00-0092	EA		31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	522.61 79.02	64.29

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0093	EA		33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	534.86	65.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	81.04	
08 52 16 00-0094	EA		35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	546.00	66.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.83	
08 52 16 00-0095	EA		37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	558.25	67.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	84.84	
08 52 16 00-0096	EA		41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	580.52	69.20
			<i>For Tempered Low-E Insulated Glass, Add</i>	88.42	
08 52 16 00-0097	EA		45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	603.91	71.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.23	
<b>08 52 16 00-0098</b>			<b>56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0099	EA		21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	488.09	61.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	73.43	
08 52 16 00-0100	EA		25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	511.48	62.66
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.23	
08 52 16 00-0101	EA		29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	534.86	64.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	81.04	
08 52 16 00-0102	EA		31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	546.00	66.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.83	
08 52 16 00-0103	EA		33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	558.25	67.57
			<i>For Tempered Low-E Insulated Glass, Add</i>	84.84	
08 52 16 00-0104	EA		35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	569.39	68.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	86.63	
08 52 16 00-0105	EA		37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	580.52	69.20
			<i>For Tempered Low-E Insulated Glass, Add</i>	88.42	
08 52 16 00-0106	EA		41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	603.91	71.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.23	
08 52 16 00-0107	EA		45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	627.30	73.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	96.04	
<b>08 52 16 00-0108</b>			<b>60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0109	EA		21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	511.48	63.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.23	
08 52 16 00-0110	EA		25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	534.86	64.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	81.04	
08 52 16 00-0111	EA		29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	558.25	67.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	84.84	
08 52 16 00-0112	EA		31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	569.39	68.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	86.63	
08 52 16 00-0113	EA		33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	580.52	69.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	88.42	
08 52 16 00-0114	EA		35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	592.77	70.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	90.44	
08 52 16 00-0115	EA		37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	603.91	71.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.23	
08 52 16 00-0116	EA		41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	627.30	73.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	96.04	
08 52 16 00-0117	EA		45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	649.56	75.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	99.62	
<b>08 52 16 00-0118</b>			<b>64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0119	EA		21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	534.86	65.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	81.04	
08 52 16 00-0120	EA		25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	558.25	67.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	84.84	
08 52 16 00-0121	EA		29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	580.52	69.20
			<i>For Tempered Low-E Insulated Glass, Add</i>	88.42	
08 52 16 00-0122	EA		31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	592.77	70.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	90.44	
08 52 16 00-0123	EA		33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	603.91	71.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.23	
08 52 16 00-0124	EA		35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	615.04	73.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	94.02	
08 52 16 00-0125	EA		37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	627.30	73.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	96.04	
08 52 16 00-0126	EA		41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	649.56	75.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	99.62	
08 52 16 00-0127	EA		45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	672.95	77.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	103.42	
<b>08 52 16 00-0128</b>			<b>68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0129	EA		21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	558.25	67.57
			<i>For Tempered Low-E Insulated Glass, Add</i>	84.84	





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0130 EA 25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	580.52	69.20
For Tempered Low-E Insulated Glass, Add	88.42	
08 52 16 00-0131 EA 29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	603.91	71.37
For Tempered Low-E Insulated Glass, Add	92.23	
08 52 16 00-0132 EA 31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	615.04	73.02
For Tempered Low-E Insulated Glass, Add	94.02	
08 52 16 00-0133 EA 33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	627.30	74.10
For Tempered Low-E Insulated Glass, Add	96.04	
08 52 16 00-0134 EA 35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	638.42	75.19
For Tempered Low-E Insulated Glass, Add	97.83	
08 52 16 00-0135 EA 37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	649.56	75.73
For Tempered Low-E Insulated Glass, Add	99.62	
08 52 16 00-0136 EA 41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	672.95	77.92
For Tempered Low-E Insulated Glass, Add	103.42	
08 52 16 00-0137 EA 45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	696.33	80.10
For Tempered Low-E Insulated Glass, Add	107.23	
<b>08 52 16 00-0138 72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small></b>		
08 52 16 00-0139 EA 21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	580.52	69.74
For Tempered Low-E Insulated Glass, Add	88.42	
08 52 16 00-0140 EA 25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	603.91	71.37
For Tempered Low-E Insulated Glass, Add	92.23	
08 52 16 00-0141 EA 29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	627.30	73.56
For Tempered Low-E Insulated Glass, Add	96.04	
08 52 16 00-0142 EA 31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	638.42	75.19
For Tempered Low-E Insulated Glass, Add	97.83	
08 52 16 00-0143 EA 33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	649.56	76.28
For Tempered Low-E Insulated Glass, Add	99.62	
08 52 16 00-0144 EA 35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	661.81	77.38
For Tempered Low-E Insulated Glass, Add	101.63	
08 52 16 00-0145 EA 37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	672.95	77.92
For Tempered Low-E Insulated Glass, Add	103.42	
08 52 16 00-0146 EA 41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	696.33	80.10
For Tempered Low-E Insulated Glass, Add	107.23	
08 52 16 00-0147 EA 45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	719.72	82.27
For Tempered Low-E Insulated Glass, Add	111.03	
<b>08 52 16 00-0148 76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small></b>		
08 52 16 00-0149 EA 21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	603.91	71.92
For Tempered Low-E Insulated Glass, Add	92.23	
08 52 16 00-0150 EA 25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	627.30	73.56
For Tempered Low-E Insulated Glass, Add	96.04	
08 52 16 00-0151 EA 29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	649.56	75.73
For Tempered Low-E Insulated Glass, Add	99.62	
08 52 16 00-0152 EA 31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	661.81	77.38
For Tempered Low-E Insulated Glass, Add	101.63	
08 52 16 00-0153 EA 33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	672.95	78.46
For Tempered Low-E Insulated Glass, Add	103.42	
08 52 16 00-0154 EA 35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	685.20	79.55
For Tempered Low-E Insulated Glass, Add	105.44	
08 52 16 00-0155 EA 37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	696.33	80.10
For Tempered Low-E Insulated Glass, Add	107.23	
08 52 16 00-0156 EA 41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	719.72	82.27
For Tempered Low-E Insulated Glass, Add	111.03	
08 52 16 00-0157 EA 45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	741.99	84.46
For Tempered Low-E Insulated Glass, Add	114.62	
<b>08 52 16 00-0158 84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small></b>		
08 52 16 00-0159 EA 21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	915.95	76.28
For Tempered Low-E Insulated Glass, Add	152.90	
08 52 16 00-0160 EA 25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	948.29	77.92
For Tempered Low-E Insulated Glass, Add	158.49	
08 52 16 00-0161 EA 29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	980.64	80.10
For Tempered Low-E Insulated Glass, Add	164.09	
08 52 16 00-0162 EA 31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	996.25	81.73
For Tempered Low-E Insulated Glass, Add	166.78	
08 52 16 00-0163 EA 33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,012.98	82.82
For Tempered Low-E Insulated Glass, Add	169.69	
08 52 16 00-0164 EA 35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,028.59	83.91
For Tempered Low-E Insulated Glass, Add	172.37	
08 52 16 00-0165 EA 37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,044.20	84.46
For Tempered Low-E Insulated Glass, Add	175.06	
08 52 16 00-0166 EA 41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,076.54	86.63
For Tempered Low-E Insulated Glass, Add	180.66	
08 52 16 00-0167 EA 45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,108.88	88.82
For Tempered Low-E Insulated Glass, Add	186.25	

**08 Openings**

08 50 Windows

08 52 Wood Windows

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0168			<b>88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> (08 52 16 00-0047)		
08 52 16 00-0169	EA		21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	948.29	78.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	158.49	
08 52 16 00-0170	EA		25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	980.64	80.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	164.09	
08 52 16 00-0171	EA		29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,012.98	82.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	169.69	
08 52 16 00-0172	EA		31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,028.59	83.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	172.37	
08 52 16 00-0173	EA		33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,044.20	85.00
			<i>For Tempered Low-E Insulated Glass, Add</i>	175.06	
08 52 16 00-0174	EA		35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,060.93	86.09
			<i>For Tempered Low-E Insulated Glass, Add</i>	177.97	
08 52 16 00-0175	EA		37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,076.54	86.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	180.66	
08 52 16 00-0176	EA		41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,108.88	88.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	186.25	
08 52 16 00-0177	EA		45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,141.22	90.99
			<i>For Tempered Low-E Insulated Glass, Add</i>	191.85	
08 52 16 00-0178			<b>Casement Wood Clad Windows</b> (08 52 16)		
			Note: Casement windows are hinged on one side and swing inward or outward with a crank or push out operation.		
08 52 16 00-0179			<b>Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0179)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0180			<b>One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0179)		
08 52 16 00-0181			<b>24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0180)		
08 52 16 00-0182	EA		17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	435.49	41.41
			<i>For Tempered Clear Insulated Glass, Add</i>	70.75	
08 52 16 00-0183	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	460.70	42.50
			<i>For Tempered Clear Insulated Glass, Add</i>	75.14	
08 52 16 00-0184	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	488.84	44.68
			<i>For Tempered Clear Insulated Glass, Add</i>	79.90	
08 52 16 00-0185	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	514.75	46.86
			<i>For Tempered Clear Insulated Glass, Add</i>	84.21	
08 52 16 00-0186			<b>28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0180)		
08 52 16 00-0187	EA		17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	467.28	43.59
			<i>For Tempered Clear Insulated Glass, Add</i>	76.24	
08 52 16 00-0188	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	492.50	44.68
			<i>For Tempered Clear Insulated Glass, Add</i>	80.63	
08 52 16 00-0189	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	520.63	46.86
			<i>For Tempered Clear Insulated Glass, Add</i>	85.38	
08 52 16 00-0190	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	534.38	49.04
			<i>For Tempered Clear Insulated Glass, Add</i>	87.26	
08 52 16 00-0191	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	567.13	51.22
			<i>For Tempered Clear Insulated Glass, Add</i>	93.16	
08 52 16 00-0192			<b>35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0180)		
08 52 16 00-0193	EA		17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	524.29	46.86
			<i>For Tempered Clear Insulated Glass, Add</i>	86.11	
08 52 16 00-0194	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	551.33	49.04
			<i>For Tempered Clear Insulated Glass, Add</i>	90.87	
08 52 16 00-0195	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	579.47	50.68
			<i>For Tempered Clear Insulated Glass, Add</i>	95.62	
08 52 16 00-0196	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	624.07	52.85
			<i>For Tempered Clear Insulated Glass, Add</i>	103.67	
08 52 16 00-0197	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	666.59	54.48
			<i>For Tempered Clear Insulated Glass, Add</i>	111.52	
08 52 16 00-0198	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	708.15	55.57
			<i>For Tempered Clear Insulated Glass, Add</i>	119.40	
08 52 16 00-0199			<b>40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0180)		
08 52 16 00-0200	EA		17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	562.66	50.12
			<i>For Tempered Clear Insulated Glass, Add</i>	92.70	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0201	EA		20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	587.87 97.09	51.22
08 52 16 00-0202	EA		24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	616.01 101.84	53.40
08 52 16 00-0203	EA		28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	680.72 113.91	55.57
08 52 16 00-0204	EA		31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	725.29 122.17	57.76
08 52 16 00-0205	EA		35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	766.99 129.64	59.93
<b>08 52 16 00-0206</b>			<b>48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small></b>		
08 52 16 00-0207	EA		17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	617.10 101.84	54.48
08 52 16 00-0208	EA		20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	644.14 106.60	55.57
08 52 16 00-0209	EA		24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	672.29 111.35	57.76
08 52 16 00-0210	EA		28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	761.67 128.36	59.93
08 52 16 00-0211	EA		31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	796.52 134.68	62.12
08 52 16 00-0212	EA		35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	848.87 144.27	64.29
<b>08 52 16 00-0213</b>			<b>52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small></b>		
08 52 16 00-0214	EA		17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	654.38 108.43	56.67
08 52 16 00-0215	EA		20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	679.60 112.82	57.76
08 52 16 00-0216	EA		24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	707.73 117.57	59.93
08 52 16 00-0217	EA		28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	818.17 138.79	62.12
08 52 16 00-0218	EA		31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	870.33 148.57	64.29
08 52 16 00-0219	EA		35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	904.44 154.52	66.47
<b>08 52 16 00-0220</b>			<b>59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small></b>		
08 52 16 00-0221	EA		17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	707.73 117.57	59.93
08 52 16 00-0222	EA		20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	734.78 122.33	62.12
08 52 16 00-0223	EA		24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	762.91 127.08	63.75
08 52 16 00-0224	EA		28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	898.95 153.42	65.93
08 52 16 00-0225	EA		31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	935.83 160.14	67.57
08 52 16 00-0226	EA		35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	985.22 169.15	69.74
<b>08 52 16 00-0227</b>			<b>64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small></b>		
08 52 16 00-0228	EA		17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	746.10 124.16	63.21
08 52 16 00-0229	EA		20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	771.32 128.55	64.29
08 52 16 00-0230	EA		24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	799.45 133.30	66.47
08 52 16 00-0231	EA		28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	955.62 163.66	68.65
08 52 16 00-0232	EA		31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	989.90 169.87	70.83
08 52 16 00-0233	EA		35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,041.88 179.39	73.02
<b>08 52 16 00-0234</b>			<b>71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small></b>		
08 52 16 00-0235	EA		17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	799.45 133.30	66.47

**08 Openings**

08 50 Windows

08 52 Wood Windows



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0236	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	826.50	68.65
		<i>For Tempered Clear Insulated Glass, Add</i>	138.06	
08 52 16 00-0237	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	854.63	70.29
		<i>For Tempered Clear Insulated Glass, Add</i>	142.81	
08 52 16 00-0238	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	1,036.39	72.47
		<i>For Tempered Clear Insulated Glass, Add</i>	178.29	
08 52 16 00-0239	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	1,078.57	74.10
		<i>For Tempered Clear Insulated Glass, Add</i>	186.07	
08 52 16 00-0240	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	1,122.68	76.28
		<i>For Tempered Clear Insulated Glass, Add</i>	194.02	
08 52 16 00-0241		<b>Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0179)</small>		
08 52 16 00-0242		<b>24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>		
08 52 16 00-0243	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	784.16	53.40
		<i>For Tempered Clear Insulated Glass, Add</i>	135.47	
08 52 16 00-0244	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	891.93	57.76
		<i>For Tempered Clear Insulated Glass, Add</i>	155.28	
08 52 16 00-0245	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,016.90	62.12
		<i>For Tempered Clear Insulated Glass, Add</i>	178.53	
08 52 16 00-0246		<b>28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>		
08 52 16 00-0247	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	846.56	55.57
		<i>For Tempered Clear Insulated Glass, Add</i>	147.08	
08 52 16 00-0248	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	954.32	59.93
		<i>For Tempered Clear Insulated Glass, Add</i>	166.89	
08 52 16 00-0249	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,079.30	64.29
		<i>For Tempered Clear Insulated Glass, Add</i>	190.14	
08 52 16 00-0250		<b>35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>		
08 52 16 00-0251	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	838.78	55.57
		<i>For Tempered Clear Insulated Glass, Add</i>	145.53	
08 52 16 00-0252	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	948.83	59.93
		<i>For Tempered Clear Insulated Glass, Add</i>	166.01	
08 52 16 00-0253	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,063.63	64.29
		<i>For Tempered Clear Insulated Glass, Add</i>	187.23	
08 52 16 00-0254	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,196.72	68.11
		<i>For Tempered Clear Insulated Glass, Add</i>	212.10	
08 52 16 00-0255	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,285.79	71.37
		<i>For Tempered Clear Insulated Glass, Add</i>	228.61	
08 52 16 00-0256	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,434.37	76.28
		<i>For Tempered Clear Insulated Glass, Add</i>	256.36	
08 52 16 00-0257		<b>40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>		
08 52 16 00-0258	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	915.56	58.30
		<i>For Tempered Clear Insulated Glass, Add</i>	159.79	
08 52 16 00-0259	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,025.61	62.12
		<i>For Tempered Clear Insulated Glass, Add</i>	180.28	
08 52 16 00-0260	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,140.41	66.47
		<i>For Tempered Clear Insulated Glass, Add</i>	201.49	
08 52 16 00-0261	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,273.49	70.83
		<i>For Tempered Clear Insulated Glass, Add</i>	226.36	
08 52 16 00-0262	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,372.27	74.10
		<i>For Tempered Clear Insulated Glass, Add</i>	244.81	
08 52 16 00-0263	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,790.96	79.01
		<i>For Tempered Clear Insulated Glass, Add</i>	326.59	
08 52 16 00-0264		<b>48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>		
08 52 16 00-0265	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,028.53	62.66
		<i>For Tempered Clear Insulated Glass, Add</i>	180.64	
08 52 16 00-0266	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,140.41	66.47
		<i>For Tempered Clear Insulated Glass, Add</i>	201.49	
08 52 16 00-0267	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,255.21	70.83
		<i>For Tempered Clear Insulated Glass, Add</i>	222.71	
08 52 16 00-0268	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,388.28	75.19
		<i>For Tempered Clear Insulated Glass, Add</i>	247.58	
08 52 16 00-0269	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,482.84	78.46
		<i>For Tempered Clear Insulated Glass, Add</i>	265.18	
08 52 16 00-0270	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,625.93	83.37
		<i>For Tempered Clear Insulated Glass, Add</i>	291.84	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 52 16 00-0271 52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)</b>		
08 52 16 00-0272 EA 33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,104.21 194.91	64.84
08 52 16 00-0273 EA 40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,214.27 215.39	68.65
08 52 16 00-0274 EA 48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,315.48 233.89	73.02
08 52 16 00-0275 EA 56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,462.14 261.48	77.38
08 52 16 00-0276 EA 62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,561.29 280.00	80.64
08 52 16 00-0277 EA 71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,701.62 306.11	85.54
<b>08 52 16 00-0278 59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)</b>		
08 52 16 00-0279 EA 33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,216.10 215.76	68.65
08 52 16 00-0280 EA 40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,326.14 236.24	73.02
08 52 16 00-0281 EA 48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,440.93 257.46	77.38
08 52 16 00-0282 EA 56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,574.02 282.33	81.18
08 52 16 00-0283 EA 62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,673.17 300.85	84.46
08 52 16 00-0284 EA 71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,811.67 326.59	89.36
<b>08 52 16 00-0285 64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)</b>		
08 52 16 00-0286 EA 33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,292.87 230.02	71.37
08 52 16 00-0287 EA 40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,402.91 250.51	75.19
08 52 16 00-0288 EA 48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,519.54 272.09	79.55
08 52 16 00-0289 EA 56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,652.62 296.96	83.91
<b>08 52 16 00-0290 71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)</b>		
08 52 16 00-0291 EA 33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,404.74 250.87	75.19
08 52 16 00-0292 EA 40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,514.79 271.36	79.55
08 52 16 00-0293 EA 48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,629.59 292.57	83.91
08 52 16 00-0294 EA 56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,762.68 317.45	87.72
<b>08 52 16 00-0295 One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)</b>		
<b>08 52 16 00-0296 24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)</b>		
08 52 16 00-0297 EA 71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,246.94 221.27	70.29
08 52 16 00-0298 EA 84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,451.52 259.36	77.38
<b>08 52 16 00-0299 28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)</b>		
08 52 16 00-0300 EA 71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,323.75 235.76	72.47
08 52 16 00-0301 EA 84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,514.75 271.13	79.55

**08 Openings**

08 50 Windows

08 52 Wood Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0302			<b>35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0295)		
08 52 16 00-0303	EA		61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,273.87	70.83
			<i>For Tempered Clear Insulated Glass, Add</i> .....	226.44	
08 52 16 00-0304	EA		71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,438.03	76.28
			<i>For Tempered Clear Insulated Glass, Add</i> .....	257.09	
08 52 16 00-0305	EA		84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,640.57	83.91
			<i>For Tempered Clear Insulated Glass, Add</i> .....	294.77	
08 52 16 00-0306			<b>40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0295)		
08 52 16 00-0307	EA		61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,346.92	74.10
			<i>For Tempered Clear Insulated Glass, Add</i> .....	239.96	
08 52 16 00-0308	EA		71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,516.62	79.01
			<i>For Tempered Clear Insulated Glass, Add</i> .....	271.72	
08 52 16 00-0309	EA		84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,717.33	86.09
			<i>For Tempered Clear Insulated Glass, Add</i> .....	309.03	
08 52 16 00-0310			<b>48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0295)		
08 52 16 00-0311	EA		71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,629.59	83.37
			<i>For Tempered Clear Insulated Glass, Add</i> .....	292.57	
08 52 16 00-0312	EA		84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,830.31	90.45
			<i>For Tempered Clear Insulated Glass, Add</i> .....	329.88	
08 52 16 00-0313			<b>52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0295)		
08 52 16 00-0314	EA		71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,705.28	85.54
			<i>For Tempered Clear Insulated Glass, Add</i> .....	306.84	
08 52 16 00-0315	EA		84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,906.00	92.62
			<i>For Tempered Clear Insulated Glass, Add</i> .....	344.15	
08 52 16 00-0316			<b>59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0295)		
08 52 16 00-0317	EA		71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,815.33	89.36
			<i>For Tempered Clear Insulated Glass, Add</i> .....	327.32	
08 52 16 00-0318	EA		84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	2,017.87	96.98
			<i>For Tempered Clear Insulated Glass, Add</i> .....	365.00	
08 52 16 00-0319			<b>Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0178) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0320			<b>One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0319)		
08 52 16 00-0321			<b>24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0320)		
08 52 16 00-0322	EA		17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	520.53	41.41
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	87.76	
08 52 16 00-0323	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	551.24	42.50
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	93.25	
08 52 16 00-0324	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	585.32	44.68
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	99.19	
08 52 16 00-0325	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	616.62	46.86
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	104.58	
08 52 16 00-0326			<b>28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0320)		
08 52 16 00-0327	EA		17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	559.18	43.59
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	94.62	
08 52 16 00-0328	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	589.89	44.68
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	100.11	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0329 EA 24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	623.97	46.86
For Tempered Low-E Insulated Glass, Add	106.05	
08 52 16 00-0330 EA 28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	640.07	49.04
For Tempered Low-E Insulated Glass, Add	108.40	
08 52 16 00-0331 EA 31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	680.19	51.22
For Tempered Low-E Insulated Glass, Add	115.77	
<b>08 52 16 00-0332 35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>		
08 52 16 00-0333 EA 17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	628.54	46.86
For Tempered Low-E Insulated Glass, Add	106.96	
08 52 16 00-0334 EA 20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	661.52	49.04
For Tempered Low-E Insulated Glass, Add	112.91	
08 52 16 00-0335 EA 24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	695.61	50.68
For Tempered Low-E Insulated Glass, Add	118.85	
08 52 16 00-0336 EA 28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	750.27	52.85
For Tempered Low-E Insulated Glass, Add	128.91	
08 52 16 00-0337 EA 31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	802.61	54.48
For Tempered Low-E Insulated Glass, Add	138.73	
08 52 16 00-0338 EA 35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	854.01	55.57
For Tempered Low-E Insulated Glass, Add	148.57	
<b>08 52 16 00-0339 40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>		
08 52 16 00-0340 EA 17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	675.14	50.12
For Tempered Low-E Insulated Glass, Add	115.19	
08 52 16 00-0341 EA 20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	705.84	51.22
For Tempered Low-E Insulated Glass, Add	120.68	
08 52 16 00-0342 EA 24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	739.92	53.40
For Tempered Low-E Insulated Glass, Add	126.63	
08 52 16 00-0343 EA 28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	819.72	55.57
For Tempered Low-E Insulated Glass, Add	141.71	
08 52 16 00-0344 EA 31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	874.62	57.76
For Tempered Low-E Insulated Glass, Add	152.04	
08 52 16 00-0345 EA 35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	925.65	59.93
For Tempered Low-E Insulated Glass, Add	161.37	
<b>08 52 16 00-0346 48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>		
08 52 16 00-0347 EA 17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	741.01	54.48
For Tempered Low-E Insulated Glass, Add	126.63	
08 52 16 00-0348 EA 20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	774.00	55.57
For Tempered Low-E Insulated Glass, Add	132.57	
08 52 16 00-0349 EA 24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	808.09	57.76
For Tempered Low-E Insulated Glass, Add	138.51	
08 52 16 00-0350 EA 28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	918.73	59.93
For Tempered Low-E Insulated Glass, Add	159.77	
08 52 16 00-0351 EA 31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	961.47	62.12
For Tempered Low-E Insulated Glass, Add	167.67	
08 52 16 00-0352 EA 35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,025.82	64.29
For Tempered Low-E Insulated Glass, Add	179.66	
<b>08 52 16 00-0353 52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>		
08 52 16 00-0354 EA 17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	786.52	56.67
For Tempered Low-E Insulated Glass, Add	134.86	
08 52 16 00-0355 EA 20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	817.23	57.76
For Tempered Low-E Insulated Glass, Add	140.34	
08 52 16 00-0356 EA 24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	851.30	59.93
For Tempered Low-E Insulated Glass, Add	146.29	
08 52 16 00-0357 EA 28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	988.26	62.12
For Tempered Low-E Insulated Glass, Add	172.81	
08 52 16 00-0358 EA 31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,052.65	64.29
For Tempered Low-E Insulated Glass, Add	185.03	
08 52 16 00-0359 EA 35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,094.19	66.47
For Tempered Low-E Insulated Glass, Add	192.47	
<b>08 52 16 00-0360 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>		
08 52 16 00-0361 EA 17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	851.30	59.93
For Tempered Low-E Insulated Glass, Add	146.29	
08 52 16 00-0362 EA 20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	884.29	62.12
For Tempered Low-E Insulated Glass, Add	152.23	
08 52 16 00-0363 EA 24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	918.37	63.75
For Tempered Low-E Insulated Glass, Add	158.17	

**08 Openings**

08 50 Windows

08 52 Wood Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0364	EA		28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,087.34	65.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	191.10	
08 52 16 00-0365	EA		31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,132.61	67.57
			<i>For Tempered Low-E Insulated Glass, Add</i>	199.50	
08 52 16 00-0366	EA		35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,193.26	69.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	210.76	
<b>08 52 16 00-0367</b>			<b>64-13/16" Height, One Operating Sash, Casement Wood Clad Windows</b>		
			<b>(Andersen 400 Series)</b> <small>(08 52 16 00-0320)</small>		
08 52 16 00-0368	EA		17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	897.90	63.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	154.52	
08 52 16 00-0369	EA		20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	928.61	64.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	160.00	
08 52 16 00-0370	EA		24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	962.69	66.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	165.95	
08 52 16 00-0371	EA		28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,156.80	68.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	203.90	
08 52 16 00-0372	EA		31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,198.84	70.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	211.65	
08 52 16 00-0373	EA		35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,262.72	73.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	223.56	
<b>08 52 16 00-0374</b>			<b>71-7/8" Height, One Operating Sash, Casement Wood Clad Windows</b>		
			<b>(Andersen 400 Series)</b> <small>(08 52 16 00-0320)</small>		
08 52 16 00-0375	EA		17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	962.69	66.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	165.95	
08 52 16 00-0376	EA		20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	995.68	68.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	171.89	
08 52 16 00-0377	EA		24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,029.75	70.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	177.84	
08 52 16 00-0378	EA		28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,255.86	72.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	222.19	
08 52 16 00-0379	EA		31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,307.76	74.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	231.91	
08 52 16 00-0380	EA		35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,361.81	76.28
			<i>For Tempered Low-E Insulated Glass, Add</i>	241.85	
<b>08 52 16 00-0381</b>			<b>Two Operating Sashes, Casement Wood Clad Windows (Andersen 400</b>		
			<b>Series)</b> <small>(08 52 16 00-0319)</small>		
<b>08 52 16 00-0382</b>			<b>24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows</b>		
			<b>(Andersen 400 Series)</b> <small>(08 52 16 00-0381)</small>		
08 52 16 00-0383	EA		40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	946.71	53.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	167.98	
08 52 16 00-0384	EA		48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,079.25	57.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	192.75	
08 52 16 00-0385	EA		56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,233.29	62.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	221.81	
<b>08 52 16 00-0386</b>			<b>28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows</b>		
			<b>(Andersen 400 Series)</b> <small>(08 52 16 00-0381)</small>		
08 52 16 00-0387	EA		40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,023.62	55.57
			<i>For Tempered Low-E Insulated Glass, Add</i>	182.49	
08 52 16 00-0388	EA		48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,156.14	59.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	207.25	
08 52 16 00-0389	EA		56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,310.20	64.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	236.32	
<b>08 52 16 00-0390</b>			<b>35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows</b>		
			<b>(Andersen 400 Series)</b> <small>(08 52 16 00-0381)</small>		
08 52 16 00-0391	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,013.90	55.57
			<i>For Tempered Low-E Insulated Glass, Add</i>	180.55	
08 52 16 00-0392	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,149.56	59.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	206.16	
08 52 16 00-0393	EA		48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,290.87	64.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	232.67	
08 52 16 00-0394	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,455.05	68.11
			<i>For Tempered Low-E Insulated Glass, Add</i>	263.77	
08 52 16 00-0395	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,564.76	71.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	284.40	
08 52 16 00-0396	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,748.03	76.28
			<i>For Tempered Low-E Insulated Glass, Add</i>	319.09	
<b>08 52 16 00-0397</b>			<b>40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows</b>		
			<b>(Andersen 400 Series)</b> <small>(08 52 16 00-0381)</small>		





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0398	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,108.51	58.30
			<i>For Tempered Low-E Insulated Glass, Add</i>	198.38	
08 52 16 00-0399	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,244.17	62.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	223.99	
08 52 16 00-0400	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,385.48	66.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	250.51	
08 52 16 00-0401	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,549.66	70.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	281.60	
08 52 16 00-0402	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,671.50	74.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	304.66	
08 52 16 00-0403	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,192.41	79.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	406.88	
<b>08 52 16 00-0404</b>			<b>48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0381)</small>		
08 52 16 00-0405	EA		33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,247.54	62.66
			<i>For Tempered Low-E Insulated Glass, Add</i>	224.44	
08 52 16 00-0406	EA		40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,385.48	66.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	250.51	
08 52 16 00-0407	EA		48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,526.80	70.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	277.03	
08 52 16 00-0408	EA		56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,690.97	75.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	308.12	
08 52 16 00-0409	EA		62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,807.54	78.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	330.12	
08 52 16 00-0410	EA		71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,983.95	83.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	363.44	
<b>08 52 16 00-0411</b>			<b>52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0381)</small>		
08 52 16 00-0412	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,341.05	64.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	242.28	
08 52 16 00-0413	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,476.72	68.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	267.88	
08 52 16 00-0414	EA		48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,604.45	73.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	291.69	
08 52 16 00-0415	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,782.21	77.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	325.49	
08 52 16 00-0416	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,904.50	80.64
			<i>For Tempered Low-E Insulated Glass, Add</i>	348.64	
08 52 16 00-0417	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,077.47	85.54
			<i>For Tempered Low-E Insulated Glass, Add</i>	381.28	
<b>08 52 16 00-0418</b>			<b>59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0381)</small>		
08 52 16 00-0419	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,479.00	68.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	268.34	
08 52 16 00-0420	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,614.65	73.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	293.94	
08 52 16 00-0421	EA		48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,755.97	77.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	320.46	
08 52 16 00-0422	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,920.15	81.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	351.56	
08 52 16 00-0423	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,042.44	84.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	374.71	
08 52 16 00-0424	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,213.12	89.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	406.88	
<b>08 52 16 00-0425</b>			<b>64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0381)</small>		
08 52 16 00-0426	EA		33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,573.62	71.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	286.17	
08 52 16 00-0427	EA		40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,709.26	75.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	311.78	
08 52 16 00-0428	EA		48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,852.86	79.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	338.75	
08 52 16 00-0429	EA		56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,017.03	83.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	369.84	
<b>08 52 16 00-0430</b>			<b>71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0381)</small>		
08 52 16 00-0431	EA		33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,711.55	75.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	312.23	
08 52 16 00-0432	EA		40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,847.20	79.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	337.84	

<b>08</b>	<b>08</b>	<b>Openings</b>
	<b>08 50</b>	<b>Windows</b>
	<b>08 52</b>	<b>Wood Windows</b>



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0433	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,988.52	83.91
		<i>For Tempered Low-E Insulated Glass, Add</i>	364.36	
08 52 16 00-0434	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	2,152.70	87.72
		<i>For Tempered Low-E Insulated Glass, Add</i>	395.45	
08 52 16 00-0435		<b>One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0319)		
08 52 16 00-0436		<b>24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0435)		
08 52 16 00-0437	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,520.14	70.29
		<i>For Tempered Low-E Insulated Glass, Add</i>	275.91	
08 52 16 00-0438	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,768.92	77.38
		<i>For Tempered Low-E Insulated Glass, Add</i>	322.84	
08 52 16 00-0439		<b>28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0435)		
08 52 16 00-0440	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,611.67	72.47
		<i>For Tempered Low-E Insulated Glass, Add</i>	293.35	
08 52 16 00-0441	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,846.87	79.55
		<i>For Tempered Low-E Insulated Glass, Add</i>	337.55	
08 52 16 00-0442		<b>35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0435)		
08 52 16 00-0443	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,550.13	70.83
		<i>For Tempered Low-E Insulated Glass, Add</i>	281.69	
08 52 16 00-0444	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,752.60	76.28
		<i>For Tempered Low-E Insulated Glass, Add</i>	320.01	
08 52 16 00-0445	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,002.24	83.91
		<i>For Tempered Low-E Insulated Glass, Add</i>	367.10	
08 52 16 00-0446		<b>40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0435)		
08 52 16 00-0447	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,640.08	74.10
		<i>For Tempered Low-E Insulated Glass, Add</i>	298.59	
08 52 16 00-0448	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,849.49	79.01
		<i>For Tempered Low-E Insulated Glass, Add</i>	338.30	
08 52 16 00-0449	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,096.84	86.09
		<i>For Tempered Low-E Insulated Glass, Add</i>	384.93	
08 52 16 00-0450		<b>48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0435)		
08 52 16 00-0451	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,988.52	83.37
		<i>For Tempered Low-E Insulated Glass, Add</i>	364.36	
08 52 16 00-0452	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,235.88	90.45
		<i>For Tempered Low-E Insulated Glass, Add</i>	411.00	
08 52 16 00-0453		<b>52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0435)		
08 52 16 00-0454	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,082.04	85.54
		<i>For Tempered Low-E Insulated Glass, Add</i>	382.19	
08 52 16 00-0455	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,329.40	92.62
		<i>For Tempered Low-E Insulated Glass, Add</i>	428.83	
08 52 16 00-0456		<b>59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0435)		
08 52 16 00-0457	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,217.70	89.36
		<i>For Tempered Low-E Insulated Glass, Add</i>	407.80	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0458	EA		84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,467.33 454.89	96.98
08 52 16 00-0459			<b>Awning Wood Clad Windows</b> (08 52 16)		
			Note: Awning windows are hinged at the top of the frame and swing outward with a crank or push out operation.		
08 52 16 00-0460			<b>Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0459)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0461			<b>Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0460)		
08 52 16 00-0462			<b>17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0461)		
08 52 16 00-0463	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	471.40 76.41	44.68
08 52 16 00-0464	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	505.02 82.26	46.86
08 52 16 00-0465	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	532.59 87.12	48.49
08 52 16 00-0466	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	567.52 93.23	50.68
08 52 16 00-0467	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	607.71 100.18	53.40
08 52 16 00-0468	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	669.48 110.79	57.76
08 52 16 00-0469	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	708.58 117.74	59.93
08 52 16 00-0470	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	765.59 127.62	64.29
08 52 16 00-0471	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	786.69 130.75	66.47
08 52 16 00-0472	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	843.07 140.50	70.29
08 52 16 00-0473			<b>20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0461)		
08 52 16 00-0474	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	497.51 80.98	46.86
08 52 16 00-0475	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	533.89 87.38	49.04
08 52 16 00-0476	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	557.59 91.47	50.12
08 52 16 00-0477	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	596.39 98.35	52.31
08 52 16 00-0478	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	636.59 105.30	55.57
08 52 16 00-0479	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	696.51 115.55	59.39
08 52 16 00-0480	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	735.62 122.50	62.12
08 52 16 00-0481	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	794.46 132.74	65.38
08 52 16 00-0482	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	813.43 135.44	68.65
08 52 16 00-0483	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	871.62 145.56	71.92
08 52 16 00-0484	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,350.27 238.45	79.55
08 52 16 00-0485			<b>24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0461)		
08 52 16 00-0486	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	530.23 86.65	49.04
08 52 16 00-0487	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	563.86 92.50	51.22
08 52 16 00-0488	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	586.76 96.43	52.31
08 52 16 00-0489	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	626.35 103.48	54.48
08 52 16 00-0490	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	666.55 110.43	57.76
08 52 16 00-0491	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	728.31 121.03	61.57
08 52 16 00-0492	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	767.42 127.98	64.29
08 52 16 00-0493	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	826.25 138.23	67.57
08 52 16 00-0494	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	843.07 140.50	70.83

**08 Openings**

08 50 Windows

08 52 Wood Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0495	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	899.39	74.10
			<i>For Tempered Clear Insulated Glass, Add</i>	150.24	
08 52 16 00-0496	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,421.32	81.73
			<i>For Tempered Clear Insulated Glass, Add</i>	251.79	
<b>08 52 16 00-0497</b>			<b>28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0461)		
08 52 16 00-0498	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	529.11	51.22
			<i>For Tempered Clear Insulated Glass, Add</i>	85.55	
08 52 16 00-0499	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	581.02	53.40
			<i>For Tempered Clear Insulated Glass, Add</i>	95.06	
08 52 16 00-0500	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	614.38	54.48
			<i>For Tempered Clear Insulated Glass, Add</i>	101.08	
08 52 16 00-0501	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	676.43	56.67
			<i>For Tempered Clear Insulated Glass, Add</i>	112.62	
08 52 16 00-0502	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	738.58	59.93
			<i>For Tempered Clear Insulated Glass, Add</i>	123.96	
08 52 16 00-0503	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	829.60	63.75
			<i>For Tempered Clear Insulated Glass, Add</i>	140.42	
08 52 16 00-0504	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	888.83	66.47
			<i>For Tempered Clear Insulated Glass, Add</i>	151.39	
08 52 16 00-0505	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	978.75	69.74
			<i>For Tempered Clear Insulated Glass, Add</i>	167.85	
08 52 16 00-0506	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,011.75	73.02
			<i>For Tempered Clear Insulated Glass, Add</i>	173.36	
08 52 16 00-0507	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,098.85	76.28
			<i>For Tempered Clear Insulated Glass, Add</i>	189.26	
08 52 16 00-0508	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,459.95	83.91
			<i>For Tempered Clear Insulated Glass, Add</i>	258.64	
<b>08 52 16 00-0509</b>			<b>31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0461)		
08 52 16 00-0510	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	614.38	54.48
			<i>For Tempered Clear Insulated Glass, Add</i>	101.08	
08 52 16 00-0511	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	650.22	56.13
			<i>For Tempered Clear Insulated Glass, Add</i>	107.60	
08 52 16 00-0512	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	699.57	58.30
			<i>For Tempered Clear Insulated Glass, Add</i>	116.59	
08 52 16 00-0513	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	754.65	61.02
			<i>For Tempered Clear Insulated Glass, Add</i>	126.52	
08 52 16 00-0514	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	834.72	65.38
			<i>For Tempered Clear Insulated Glass, Add</i>	140.79	
08 52 16 00-0515	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	890.26	67.57
			<i>For Tempered Clear Insulated Glass, Add</i>	151.03	
08 52 16 00-0516	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	969.25	71.92
			<i>For Tempered Clear Insulated Glass, Add</i>	165.30	
08 52 16 00-0517	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,024.34	74.10
			<i>For Tempered Clear Insulated Glass, Add</i>	175.23	
08 52 16 00-0518	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,104.86	77.92
			<i>For Tempered Clear Insulated Glass, Add</i>	189.81	
08 52 16 00-0519	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,557.53	85.00
			<i>For Tempered Clear Insulated Glass, Add</i>	277.51	
<b>08 52 16 00-0520</b>			<b>35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0461)		
08 52 16 00-0521	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	699.57	58.30
			<i>For Tempered Clear Insulated Glass, Add</i>	116.59	
08 52 16 00-0522	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	770.02	60.48
			<i>For Tempered Clear Insulated Glass, Add</i>	129.81	
08 52 16 00-0523	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	832.17	63.21
			<i>For Tempered Clear Insulated Glass, Add</i>	141.15	
08 52 16 00-0524	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	923.18	67.57
			<i>For Tempered Clear Insulated Glass, Add</i>	157.61	
08 52 16 00-0525	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	984.24	69.74
			<i>For Tempered Clear Insulated Glass, Add</i>	168.95	
08 52 16 00-0526	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,072.35	74.10
			<i>For Tempered Clear Insulated Glass, Add</i>	185.05	
08 52 16 00-0527	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	934.52	76.28
			<i>For Tempered Clear Insulated Glass, Add</i>	156.39	
08 52 16 00-0528	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,003.54	80.10
			<i>For Tempered Clear Insulated Glass, Add</i>	168.67	
<b>08 52 16 00-0529</b>			<b>40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0461)		
08 52 16 00-0530	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	821.20	63.21
			<i>For Tempered Clear Insulated Glass, Add</i>	138.96	
08 52 16 00-0531	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	925.41	66.47
			<i>For Tempered Clear Insulated Glass, Add</i>	158.71	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 52 16 00-0532</b> <b>48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0533    EA    35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	978.05	67.57
For Tempered Clear Insulated Glass, Add	168.59	
08 52 16 00-0534    EA    40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,084.09	70.83
For Tempered Clear Insulated Glass, Add	188.70	
08 52 16 00-0535    EA    48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,239.13	74.65
For Tempered Clear Insulated Glass, Add	217.97	
<b>08 52 16 00-0536</b> <b>59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0537    EA    35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,212.79	73.56
For Tempered Clear Insulated Glass, Add	213.13	
08 52 16 00-0538    EA    40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,305.58	76.28
For Tempered Clear Insulated Glass, Add	230.60	
<b>08 52 16 00-0539</b> <b>71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0540    EA    24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,327.43	74.10
For Tempered Clear Insulated Glass, Add	235.84	
08 52 16 00-0541    EA    35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,372.75	80.10
For Tempered Clear Insulated Glass, Add	242.51	
08 52 16 00-0542    EA    40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,520.30	82.82
For Tempered Clear Insulated Glass, Add	270.93	
08 52 16 00-0543    EA    48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,670.77	87.18
For Tempered Clear Insulated Glass, Add	299.28	
<b>08 52 16 00-0544</b> <b>Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0460)</small>		
<b>08 52 16 00-0545</b> <b>17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0544)</small>		
08 52 16 00-0546    EA    24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	414.70	44.68
For Tempered Clear Insulated Glass, Add	65.07	
08 52 16 00-0547    EA    28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	446.50	46.86
For Tempered Clear Insulated Glass, Add	70.56	
08 52 16 00-0548    EA    31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	467.44	48.49
For Tempered Clear Insulated Glass, Add	74.09	
08 52 16 00-0549    EA    35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	501.68	50.68
For Tempered Clear Insulated Glass, Add	60.07	
08 52 16 00-0550    EA    40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	538.21	53.40
For Tempered Clear Insulated Glass, Add	86.28	
08 52 16 00-0551    EA    48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	594.49	57.76
For Tempered Clear Insulated Glass, Add	95.79	
08 52 16 00-0552    EA    52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	628.10	59.93
For Tempered Clear Insulated Glass, Add	101.65	
08 52 16 00-0553    EA    59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	681.46	64.29
For Tempered Clear Insulated Glass, Add	110.79	
08 52 16 00-0554    EA    64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	718.00	66.47
For Tempered Clear Insulated Glass, Add	117.01	
08 52 16 00-0555    EA    71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	771.34	70.29
For Tempered Clear Insulated Glass, Add	126.15	
<b>08 52 16 00-0556</b> <b>20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0544)</small>		
08 52 16 00-0557    EA    24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	439.91	46.86
For Tempered Clear Insulated Glass, Add	69.46	
08 52 16 00-0558    EA    28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	471.70	49.04
For Tempered Clear Insulated Glass, Add	74.94	
08 52 16 00-0559    EA    31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	490.89	50.12
For Tempered Clear Insulated Glass, Add	78.13	
08 52 16 00-0560    EA    35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	528.72	52.31
For Tempered Clear Insulated Glass, Add	84.82	
08 52 16 00-0561    EA    40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	565.27	55.57
For Tempered Clear Insulated Glass, Add	91.04	
08 52 16 00-0562    EA    48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	619.70	59.39
For Tempered Clear Insulated Glass, Add	100.18	
08 52 16 00-0563    EA    52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	655.15	62.12
For Tempered Clear Insulated Glass, Add	106.40	
08 52 16 00-0564    EA    59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	706.68	65.38
For Tempered Clear Insulated Glass, Add	115.18	
08 52 16 00-0565    EA    64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	745.05	68.65
For Tempered Clear Insulated Glass, Add	121.77	
08 52 16 00-0566    EA    71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	796.56	71.92
For Tempered Clear Insulated Glass, Add	130.54	

**08 Openings**

08 50 Windows

08 52 Wood Windows

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0567	<b>24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0544)		
08 52 16 00-0568	EA 24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....468.04 <i>For Tempered Clear Insulated Glass, Add</i> .....74.21	468.04	49.04
08 52 16 00-0569	EA 28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....499.85 <i>For Tempered Clear Insulated Glass, Add</i> .....79.70	499.85	51.22
08 52 16 00-0570	EA 31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....516.96 <i>For Tempered Clear Insulated Glass, Add</i> .....82.47	516.96	52.31
08 52 16 00-0571	EA 35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....555.02 <i>For Tempered Clear Insulated Glass, Add</i> .....89.21	555.02	54.48
08 52 16 00-0572	EA 40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....591.56 <i>For Tempered Clear Insulated Glass, Add</i> .....95.43	591.56	57.76
08 52 16 00-0573	EA 48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....646.01 <i>For Tempered Clear Insulated Glass, Add</i> .....104.57	646.01	61.57
08 52 16 00-0574	EA 52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....681.46 <i>For Tempered Clear Insulated Glass, Add</i> .....110.79	681.46	64.29
08 52 16 00-0575	EA 59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....734.80 <i>For Tempered Clear Insulated Glass, Add</i> .....119.94	734.80	67.57
08 52 16 00-0576	EA 64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....771.34 <i>For Tempered Clear Insulated Glass, Add</i> .....126.15	771.34	70.83
08 52 16 00-0577	EA 71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....824.71 <i>For Tempered Clear Insulated Glass, Add</i> .....135.30	824.71	74.10
08 52 16 00-0578	<b>28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0544)		
08 52 16 00-0579	EA 24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....470.59 <i>For Tempered Clear Insulated Glass, Add</i> .....73.85	470.59	51.22
08 52 16 00-0580	EA 28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....513.35 <i>For Tempered Clear Insulated Glass, Add</i> .....81.53	513.35	53.40
08 52 16 00-0581	EA 31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....536.82 <i>For Tempered Clear Insulated Glass, Add</i> .....85.57	536.82	54.48
08 52 16 00-0582	EA 35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....559.38 <i>For Tempered Clear Insulated Glass, Add</i> .....89.21	559.38	56.67
08 52 16 00-0583	EA 40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....639.82 <i>For Tempered Clear Insulated Glass, Add</i> .....104.21	639.82	59.93
08 52 16 00-0584	EA 48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....712.55 <i>For Tempered Clear Insulated Glass, Add</i> .....117.01	712.55	63.75
08 52 16 00-0585	EA 52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....760.80 <i>For Tempered Clear Insulated Glass, Add</i> .....125.79	760.80	66.47
08 52 16 00-0586	EA 59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....832.44 <i>For Tempered Clear Insulated Glass, Add</i> .....138.59	832.44	69.74
08 52 16 00-0587	EA 64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....883.61 <i>For Tempered Clear Insulated Glass, Add</i> .....147.74	883.61	73.02
08 52 16 00-0588	EA 71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....955.26 <i>For Tempered Clear Insulated Glass, Add</i> .....160.54	955.26	76.28
08 52 16 00-0589	<b>31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0544)		
08 52 16 00-0590	EA 28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....536.82 <i>For Tempered Clear Insulated Glass, Add</i> .....85.57	536.82	54.48
08 52 16 00-0591	EA 31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....566.46 <i>For Tempered Clear Insulated Glass, Add</i> .....90.84	566.46	56.13
08 52 16 00-0592	EA 35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....606.50 <i>For Tempered Clear Insulated Glass, Add</i> .....97.98	606.50	58.30
08 52 16 00-0593	EA 40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....652.28 <i>For Tempered Clear Insulated Glass, Add</i> .....106.05	652.28	61.02
08 52 16 00-0594	EA 48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....718.39 <i>For Tempered Clear Insulated Glass, Add</i> .....117.52	718.39	65.38
08 52 16 00-0595	EA 52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....763.07 <i>For Tempered Clear Insulated Glass, Add</i> .....125.59	763.07	67.57
08 52 16 00-0596	EA 59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....828.10 <i>For Tempered Clear Insulated Glass, Add</i> .....137.07	828.10	71.92
08 52 16 00-0597	EA 64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....872.33 <i>For Tempered Clear Insulated Glass, Add</i> .....144.82	872.33	74.10
08 52 16 00-0598	EA 71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....937.34 <i>For Tempered Clear Insulated Glass, Add</i> .....156.30	937.34	77.92
08 52 16 00-0599	<b>35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0544)		
08 52 16 00-0600	EA 31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....606.50 <i>For Tempered Clear Insulated Glass, Add</i> .....97.98	606.50	58.30
08 52 16 00-0601	EA 35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....665.77 <i>For Tempered Clear Insulated Glass, Add</i> .....108.96	665.77	60.48
08 52 16 00-0602	EA 40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....715.12 <i>For Tempered Clear Insulated Glass, Add</i> .....117.74	715.12	63.21
08 52 16 00-0603	EA 48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....789.67 <i>For Tempered Clear Insulated Glass, Add</i> .....130.91	789.67	67.57
08 52 16 00-0604	EA 52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....837.92 <i>For Tempered Clear Insulated Glass, Add</i> .....139.69	837.92	69.74



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0605	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	909.58 152.49	74.10
08 52 16 00-0606	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	958.92 161.27	76.28
08 52 16 00-0607	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,030.55 174.07	80.10
<b>08 52 16 00-0608</b>			<b>Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0459)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0609</b>			<b>Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0608)</small>		
<b>08 52 16 00-0610</b>			<b>17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0611	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	561.93 94.51	44.68
08 52 16 00-0612	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	602.87 101.83	46.86
08 52 16 00-0613	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	636.52 107.91	48.49
08 52 16 00-0614	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	679.08 115.55	50.68
08 52 16 00-0615	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	727.96 124.23	53.40
08 52 16 00-0616	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	802.99 137.49	57.76
08 52 16 00-0617	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	850.78 146.18	59.93
08 52 16 00-0618	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	920.13 158.53	64.29
08 52 16 00-0619	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	945.15 162.44	66.47
08 52 16 00-0620	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,013.71 174.63	70.29
<b>08 52 16 00-0621</b>			<b>20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0622	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	593.75 100.23	46.86
08 52 16 00-0623	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	638.14 108.23	49.04
08 52 16 00-0624	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	666.94 113.34	50.12
08 52 16 00-0625	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	714.36 121.95	52.31
08 52 16 00-0626	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	763.25 130.64	55.57
08 52 16 00-0627	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	835.97 143.44	59.39
08 52 16 00-0628	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	883.77 152.13	62.12
08 52 16 00-0629	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	955.41 164.93	65.38
08 52 16 00-0630	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	977.76 168.31	68.65
08 52 16 00-0631	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,048.58 180.95	71.92
08 52 16 00-0632	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,643.35 297.07	79.55
<b>08 52 16 00-0633</b>			<b>24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0634	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	633.56 107.32	49.04
08 52 16 00-0635	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	674.51 114.63	51.22
08 52 16 00-0636	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	702.32 119.54	52.31
08 52 16 00-0637	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	750.72 128.35	54.48
08 52 16 00-0638	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	799.60 137.04	57.76
08 52 16 00-0639	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	874.62 150.30	61.57
08 52 16 00-0640	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	922.42 158.98	64.29
08 52 16 00-0641	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	994.05 171.79	67.57
08 52 16 00-0642	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,013.71 174.63	70.83

**08 Openings**

08 50 Windows

08 52 Wood Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0643	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,082.21	74.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	186.80	
08 52 16 00-0644	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,731.08	81.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	313.74	
<b>08 52 16 00-0645</b>			<b>28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0609)		
08 52 16 00-0646	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	631.07	51.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	105.94	
08 52 16 00-0647	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	694.87	53.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.83	
08 52 16 00-0648	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	735.76	54.48
			<i>For Tempered Low-E Insulated Glass, Add</i>	125.36	
08 52 16 00-0649	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	812.23	56.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	139.78	
08 52 16 00-0650	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	888.55	59.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	153.95	
08 52 16 00-0651	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,000.15	63.75
			<i>For Tempered Low-E Insulated Glass, Add</i>	174.53	
08 52 16 00-0652	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,073.09	66.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	188.25	
08 52 16 00-0653	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,183.59	69.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	208.82	
08 52 16 00-0654	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,223.48	73.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	215.71	
08 52 16 00-0655	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,529.54	76.28
			<i>For Tempered Low-E Insulated Glass, Add</i>	275.39	
08 52 16 00-0656	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,778.27	83.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	322.31	
<b>08 52 16 00-0657</b>			<b>31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0609)		
08 52 16 00-0658	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	735.76	54.48
			<i>For Tempered Low-E Insulated Glass, Add</i>	125.36	
08 52 16 00-0659	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	779.74	56.13
			<i>For Tempered Low-E Insulated Glass, Add</i>	133.50	
08 52 16 00-0660	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	840.33	58.30
			<i>For Tempered Low-E Insulated Glass, Add</i>	144.75	
08 52 16 00-0661	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	907.83	61.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	157.16	
08 52 16 00-0662	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,005.73	65.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	174.99	
08 52 16 00-0663	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,074.07	67.57
			<i>For Tempered Low-E Insulated Glass, Add</i>	187.79	
08 52 16 00-0664	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,170.90	71.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	205.63	
08 52 16 00-0665	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,238.39	74.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	218.04	
08 52 16 00-0666	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,337.14	77.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	236.26	
08 52 16 00-0667	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,899.44	85.00
			<i>For Tempered Low-E Insulated Glass, Add</i>	345.89	
<b>08 52 16 00-0668</b>			<b>35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0609)		
08 52 16 00-0669	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	840.33	58.30
			<i>For Tempered Low-E Insulated Glass, Add</i>	144.75	
08 52 16 00-0670	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	927.31	60.48
			<i>For Tempered Low-E Insulated Glass, Add</i>	161.27	
08 52 16 00-0671	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,003.63	63.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	175.44	
08 52 16 00-0672	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,115.22	67.57
			<i>For Tempered Low-E Insulated Glass, Add</i>	196.02	
08 52 16 00-0673	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,190.45	69.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	210.19	
08 52 16 00-0674	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,298.68	74.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	230.31	
08 52 16 00-0675	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,125.03	76.28
			<i>For Tempered Low-E Insulated Glass, Add</i>	194.49	
08 52 16 00-0676	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,209.40	80.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	209.84	
<b>08 52 16 00-0677</b>			<b>40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0609)		
08 52 16 00-0678	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	984.46	63.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	172.70	
08 52 16 00-0679	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,122.08	67.57
			<i>For Tempered Low-E Insulated Glass, Add</i>	197.39	





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 52 16 00-0680</b> 48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0681 EA 35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,183.80 209.74	67.57
08 52 16 00-0682 EA 40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,314.99 234.88	70.83
08 52 16 00-0683 EA 48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,506.61 271.46	74.65
<b>08 52 16 00-0684</b> 59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0685 EA 35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,474.22 265.42	73.56
08 52 16 00-0686 EA 40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,588.86 287.26	76.28
<b>08 52 16 00-0687</b> 71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0688 EA 24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,617.26 293.81	74.10
08 52 16 00-0689 EA 35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,670.91 302.14	80.10
08 52 16 00-0690 EA 40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,853.99 337.67	82.82
08 52 16 00-0691 EA 48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,039.90 373.11	87.18
<b>08 52 16 00-0692</b> Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
<b>08 52 16 00-0693</b> 17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0694 EA 24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	491.06 80.34	44.68
08 52 16 00-0695 EA 28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	529.71 87.20	46.86
08 52 16 00-0696 EA 31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	555.08 91.62	48.49
08 52 16 00-0697 EA 35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	596.78 99.09	50.68
08 52 16 00-0698 EA 40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	641.09 106.86	53.40
08 52 16 00-0699 EA 48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	709.26 118.75	57.76
08 52 16 00-0700 EA 52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	750.19 126.06	59.93
08 52 16 00-0701 EA 59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	814.97 137.49	64.29
08 52 16 00-0702 EA 64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	859.28 145.27	66.47
08 52 16 00-0703 EA 71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	924.06 156.70	70.29
<b>08 52 16 00-0704</b> 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0705 EA 24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	521.75 85.83	46.86
08 52 16 00-0706 EA 28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	560.41 92.69	49.04
08 52 16 00-0707 EA 31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	583.57 96.66	50.12
08 52 16 00-0708 EA 35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	629.77 105.03	52.31
08 52 16 00-0709 EA 40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	674.09 112.80	55.57
08 52 16 00-0710 EA 48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	739.95 124.23	59.39
08 52 16 00-0711 EA 52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	783.18 132.01	62.12
08 52 16 00-0712 EA 59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	845.67 142.98	65.38
08 52 16 00-0713 EA 64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	892.28 151.21	68.65
08 52 16 00-0714 EA 71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	954.76 162.18	71.92

**08 Openings**

08 50 Windows

08 52 Wood Windows

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0715			<b>24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0692)		
08 52 16 00-0716	EA		24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	555.83	49.04
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	91.77	
08 52 16 00-0717	EA		28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	594.50	51.22
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	98.63	
08 52 16 00-0718	EA		31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	615.07	52.31
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	102.09	
08 52 16 00-0719	EA		35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	661.56	54.48
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	110.52	
08 52 16 00-0720	EA		40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	705.87	57.76
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	118.29	
08 52 16 00-0721	EA		48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	771.75	61.57
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	129.72	
08 52 16 00-0722	EA		52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	814.97	64.29
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	137.49	
08 52 16 00-0723	EA		59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	879.74	67.57
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	148.92	
08 52 16 00-0724	EA		64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	924.06	70.83
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	156.70	
08 52 16 00-0725	EA		71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	988.85	74.10
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	168.13	
08 52 16 00-0726			<b>28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0692)		
08 52 16 00-0727	EA		24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	557.92	51.22
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	91.31	
08 52 16 00-0728	EA		28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	610.29	53.40
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	100.92	
08 52 16 00-0729	EA		31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	638.81	54.48
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	105.97	
08 52 16 00-0730	EA		35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	665.92	56.67
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	110.52	
08 52 16 00-0731	EA		40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	765.10	59.93
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	129.26	
08 52 16 00-0732	EA		48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	853.83	63.75
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	145.27	
08 52 16 00-0733	EA		52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	913.06	66.47
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	156.24	
08 52 16 00-0734	EA		59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	1,000.70	69.74
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	172.24	
08 52 16 00-0735	EA		64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	1,063.30	73.02
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	183.67	
08 52 16 00-0736	EA		71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	1,150.96	76.28
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	199.68	
08 52 16 00-0737			<b>31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0692)		
08 52 16 00-0738	EA		28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	638.81	54.48
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	105.97	
08 52 16 00-0739	EA		31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	675.04	56.13
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	112.56	
08 52 16 00-0740	EA		35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	724.00	58.30
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	121.48	
08 52 16 00-0741	EA		40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	779.86	61.02
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	131.56	
08 52 16 00-0742	EA		48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	860.32	65.38
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	145.91	
08 52 16 00-0743	EA		52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	915.08	67.57
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	155.99	
08 52 16 00-0744	EA		59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	994.46	71.92
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	170.34	
08 52 16 00-0745	EA		64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	1,048.38	74.10
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	180.03	
08 52 16 00-0746	EA		71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	1,127.74	77.92
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	194.38	
08 52 16 00-0747			<b>35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0692)		
08 52 16 00-0748	EA		31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	724.00	58.30
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	121.48	
08 52 16 00-0749	EA		35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	797.00	60.48
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	135.21	
08 52 16 00-0750	EA		40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	857.32	63.21
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	146.18	
08 52 16 00-0751	EA		48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	948.33	67.57
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	162.64	
08 52 16 00-0752	EA		52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	1,007.56	69.74
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	173.62	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0753	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,095.21 189.62	74.10
08 52 16 00-0754	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,155.53 200.59	76.28
08 52 16 00-0755	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,243.17 216.60	80.10
<b>08 52 16 00-0756</b>			<b>Horizontal Sliding Wood Clad Windows</b> <small>(08 52 16)</small> Note: Sliding windows open horizontally with one or more operating sashes combined with stationary sashes		
<b>08 52 16 00-0757</b>			<b>One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0756)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0758</b>			<b>17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0759	EA		47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	583.92 93.90	57.76
<b>08 52 16 00-0760</b>			<b>23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0761	EA		35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	536.75 85.77	53.40
08 52 16 00-0762	EA		47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	628.84 101.58	61.02
<b>08 52 16 00-0763</b>			<b>35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0764	EA		35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	628.84 101.58	61.02
08 52 16 00-0765	EA		47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	720.92 117.38	67.57
08 52 16 00-0766	EA		59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	813.00 133.18	73.56
08 52 16 00-0767	EA		71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	905.07 148.98	80.10
<b>08 52 16 00-0768</b>			<b>41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0769	EA		35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	676.01 109.70	64.29
08 52 16 00-0770	EA		47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	765.82 125.05	70.83
08 52 16 00-0771	EA		59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	857.90 140.85	76.82
08 52 16 00-0772	EA		71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,028.99 172.45	83.37
<b>08 52 16 00-0773</b>			<b>47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0774	EA		35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	720.92 117.38	67.57
08 52 16 00-0775	EA		47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	813.00 133.18	74.10
08 52 16 00-0776	EA		59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	905.07 148.98	80.10
08 52 16 00-0777	EA		71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	997.15 164.78	86.63
<b>08 52 16 00-0778</b>			<b>53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0779	EA		47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	857.90 140.85	77.38
08 52 16 00-0780	EA		59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	949.99 156.65	83.37
08 52 16 00-0781	EA		71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,042.07 172.45	89.90
<b>08 52 16 00-0782</b>			<b>59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0783	EA		47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	905.07 148.98	80.64

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0784 EA 59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	997.15	86.63
For Tempered Clear Insulated Glass, Add	164.78	
08 52 16 00-0785 EA 71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	1,089.40	93.17
For Tempered Clear Insulated Glass, Add	180.61	
<b>08 52 16 00-0786 Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)</b>		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0787 22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)</b>		
08 52 16 00-0788 EA 35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,328.81	53.40
For Tempered Low-E Insulated Glass, Add	244.19	
08 52 16 00-0789 EA 47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,583.41	61.02
For Tempered Low-E Insulated Glass, Add	292.49	
<b>08 52 16 00-0790 35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)</b>		
08 52 16 00-0791 EA 35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,603.73	61.02
For Tempered Low-E Insulated Glass, Add	296.55	
08 52 16 00-0792 EA 47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,860.59	67.57
For Tempered Low-E Insulated Glass, Add	345.31	
08 52 16 00-0793 EA 59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,115.19	73.56
For Tempered Low-E Insulated Glass, Add	393.61	
08 52 16 00-0794 EA 71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,369.78	80.10
For Tempered Low-E Insulated Glass, Add	441.92	
<b>08 52 16 00-0795 41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)</b>		
08 52 16 00-0796 EA 35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,732.16	64.29
For Tempered Low-E Insulated Glass, Add	320.93	
08 52 16 00-0797 EA 47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,986.75	70.83
For Tempered Low-E Insulated Glass, Add	369.24	
08 52 16 00-0798 EA 59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,243.61	76.82
For Tempered Low-E Insulated Glass, Add	417.99	
08 52 16 00-0799 EA 71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,498.21	83.37
For Tempered Low-E Insulated Glass, Add	466.30	
<b>08 52 16 00-0800 47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)</b>		
08 52 16 00-0801 EA 35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,860.59	67.57
For Tempered Low-E Insulated Glass, Add	345.31	
08 52 16 00-0802 EA 47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,115.19	74.10
For Tempered Low-E Insulated Glass, Add	393.61	
08 52 16 00-0803 EA 59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,369.78	80.10
For Tempered Low-E Insulated Glass, Add	441.92	
08 52 16 00-0804 EA 71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,626.63	86.63
For Tempered Low-E Insulated Glass, Add	490.67	
<b>08 52 16 00-0805 59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)</b>		
08 52 16 00-0806 EA 35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,115.19	74.10
For Tempered Low-E Insulated Glass, Add	393.61	
08 52 16 00-0807 EA 47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,369.78	80.64
For Tempered Low-E Insulated Glass, Add	441.92	
08 52 16 00-0808 EA 59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,626.63	86.63
For Tempered Low-E Insulated Glass, Add	490.67	
08 52 16 00-0809 EA 71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,881.24	93.17
For Tempered Low-E Insulated Glass, Add	538.98	
<b>08 52 16 00-0810 Picture Wood Clad Windows (08 52 16)</b>		
Note: Picture windows are fixed windows.		
<b>08 52 16 00-0811 Picture Wood Clad Windows For Awning And Casement Windows (08 52 16 00-0810)</b>		
<b>08 52 16 00-0812 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0811)</b>		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0813 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)</b>		
08 52 16 00-0814 EA 40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	459.65	43.59
For Tempered Clear Insulated Glass, Add	74.49	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0815	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	538.92 88.60	47.95
08 52 16 00-0816	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	572.82 94.51	50.12
08 52 16 00-0817	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	621.46 102.72	54.48
08 52 16 00-0818	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	654.80 108.29	56.67
08 52 16 00-0819	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	703.45 116.50	61.02
<b>08 52 16 00-0820</b>		<b>35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0812)</small>		
08 52 16 00-0821	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	508.63 80.37	53.40
08 52 16 00-0822	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	590.00 95.55	56.67
08 52 16 00-0823	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	709.83 117.77	60.48
08 52 16 00-0824	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	788.26 132.59	62.66
08 52 16 00-0825	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	905.15 154.44	66.47
08 52 16 00-0826	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	986.52 169.62	69.20
08 52 16 00-0827	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,473.76 265.55	73.02
<b>08 52 16 00-0828</b>		<b>40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0812)</small>		
08 52 16 00-0829	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	590.00 95.55	56.67
08 52 16 00-0830	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	671.38 110.74	58.85
08 52 16 00-0831	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	791.20 132.96	63.21
08 52 16 00-0832	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	869.64 147.77	65.38
08 52 16 00-0833	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	986.52 169.62	69.74
08 52 16 00-0834	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,067.89 184.81	71.92
08 52 16 00-0835	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,184.77 206.66	76.28
<b>08 52 16 00-0836</b>		<b>48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0812)</small>		
08 52 16 00-0837	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	709.83 117.77	61.02
08 52 16 00-0838	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	791.20 132.96	63.21
08 52 16 00-0839	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	911.02 155.18	67.57
08 52 16 00-0840	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	989.45 169.99	69.74
08 52 16 00-0841	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,106.35 191.85	74.10
08 52 16 00-0842	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,187.72 207.03	76.28
08 52 16 00-0843	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,304.60 228.88	80.64
<b>08 52 16 00-0844</b>		<b>52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0812)</small>		
08 52 16 00-0845	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	788.26 132.59	63.21
08 52 16 00-0846	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	869.64 147.77	65.38
08 52 16 00-0847	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	989.45 169.99	69.74
08 52 16 00-0848	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,067.89 184.81	71.92
08 52 16 00-0849	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,184.77 206.66	76.28
08 52 16 00-0850	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,266.14 221.84	78.46
08 52 16 00-0851	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,492.29 265.55	82.82

**08 Openings**

08 50 Windows

08 52 Wood Windows

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0852			<b>59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)</b> (08 52 16 00-0812)		
08 52 16 00-0853	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	905.15	66.47
			<i>For Tempered Clear Insulated Glass, Add</i>	154.44	
08 52 16 00-0854	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	986.52	69.74
			<i>For Tempered Clear Insulated Glass, Add</i>	169.62	
08 52 16 00-0855	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,106.35	73.56
			<i>For Tempered Clear Insulated Glass, Add</i>	191.85	
08 52 16 00-0856	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,184.77	75.73
			<i>For Tempered Clear Insulated Glass, Add</i>	206.66	
08 52 16 00-0857	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,301.66	79.55
			<i>For Tempered Clear Insulated Glass, Add</i>	228.51	
08 52 16 00-0858	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,383.03	82.27
			<i>For Tempered Clear Insulated Glass, Add</i>	243.70	
08 52 16 00-0859	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,499.91	86.09
			<i>For Tempered Clear Insulated Glass, Add</i>	265.55	
08 52 16 00-0860			<b>64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)</b> (08 52 16 00-0812)		
08 52 16 00-0861	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	986.52	69.74
			<i>For Tempered Clear Insulated Glass, Add</i>	169.62	
08 52 16 00-0862	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,067.89	71.92
			<i>For Tempered Clear Insulated Glass, Add</i>	184.81	
08 52 16 00-0863	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,187.72	76.28
			<i>For Tempered Clear Insulated Glass, Add</i>	207.03	
08 52 16 00-0864	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,266.14	78.46
			<i>For Tempered Clear Insulated Glass, Add</i>	221.84	
08 52 16 00-0865	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,492.29	82.82
			<i>For Tempered Clear Insulated Glass, Add</i>	265.55	
08 52 16 00-0866			<b>71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)</b> (08 52 16 00-0812)		
08 52 16 00-0867	EA		35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,103.40	73.02
			<i>For Tempered Clear Insulated Glass, Add</i>	191.48	
08 52 16 00-0868	EA		40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,184.77	76.28
			<i>For Tempered Clear Insulated Glass, Add</i>	206.66	
08 52 16 00-0869	EA		48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,304.60	80.10
			<i>For Tempered Clear Insulated Glass, Add</i>	228.88	
08 52 16 00-0870	EA		52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,383.03	82.27
			<i>For Tempered Clear Insulated Glass, Add</i>	243.70	
08 52 16 00-0871	EA		59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,499.91	86.09
			<i>For Tempered Clear Insulated Glass, Add</i>	265.55	
08 52 16 00-0872			<b>Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> (08 52 16 00-0811)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0873			<b>12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> (08 52 16 00-0872)		
08 52 16 00-0874	EA		40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	547.02	43.59
			<i>For Tempered Low-E Insulated Glass, Add</i>	91.97	
08 52 16 00-0875	EA		48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	642.84	47.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.39	
08 52 16 00-0876	EA		52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	683.67	50.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	116.68	
08 52 16 00-0877	EA		59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	741.93	54.48
			<i>For Tempered Low-E Insulated Glass, Add</i>	126.81	
08 52 16 00-0878	EA		64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	781.82	56.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	133.70	
08 52 16 00-0879	EA		71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	840.09	61.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	143.83	
08 52 16 00-0880			<b>35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> (08 52 16 00-0872)		
08 52 16 00-0881	EA		35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	602.89	53.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	99.22	
08 52 16 00-0882	EA		40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	702.07	56.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.97	
08 52 16 00-0883	EA		48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	847.96	60.48
			<i>For Tempered Low-E Insulated Glass, Add</i>	145.40	
08 52 16 00-0884	EA		52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	943.77	62.66
			<i>For Tempered Low-E Insulated Glass, Add</i>	163.69	
08 52 16 00-0885	EA		59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,086.28	66.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	190.67	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0886	EA		64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,185.46 209.41	69.20
08 52 16 00-0887	EA		71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,785.20 327.84	73.02
<b>08 52 16 00-0888</b>			<b>40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> (08 52 16 00-0872)		
08 52 16 00-0889	EA		35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	702.07 117.97	56.67
08 52 16 00-0890	EA		40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	801.25 136.71	58.85
08 52 16 00-0891	EA		48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	947.14 164.15	63.21
08 52 16 00-0892	EA		52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,042.95 182.44	65.38
08 52 16 00-0893	EA		59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,185.46 209.41	69.74
08 52 16 00-0894	EA		64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,284.64 228.16	71.92
08 52 16 00-0895	EA		71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,427.15 255.14	76.28
<b>08 52 16 00-0896</b>			<b>48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> (08 52 16 00-0872)		
08 52 16 00-0897	EA		35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	847.96 145.40	61.02
08 52 16 00-0898	EA		40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	947.14 164.15	63.21
08 52 16 00-0899	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,093.02 191.58	67.57
08 52 16 00-0900	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,188.83 209.87	69.74
08 52 16 00-0901	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,331.35 236.85	74.10
08 52 16 00-0902	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,430.54 255.59	76.28
08 52 16 00-0903	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,573.04 282.57	80.64
<b>08 52 16 00-0904</b>			<b>52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> (08 52 16 00-0872)		
08 52 16 00-0905	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	943.77 163.69	63.21
08 52 16 00-0906	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,042.95 182.44	65.38
08 52 16 00-0907	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,188.83 209.87	69.74
08 52 16 00-0908	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,284.64 228.16	71.92
08 52 16 00-0909	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,427.15 255.14	76.28
08 52 16 00-0910	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,526.33 273.88	78.46
08 52 16 00-0911	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,803.73 327.84	82.82
<b>08 52 16 00-0912</b>			<b>59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> (08 52 16 00-0872)		
08 52 16 00-0913	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,086.28 190.67	66.47
08 52 16 00-0914	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,185.46 209.41	69.74
08 52 16 00-0915	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,331.35 236.85	73.56
08 52 16 00-0916	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,427.15 255.14	75.73
08 52 16 00-0917	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,569.66 282.11	79.55
08 52 16 00-0918	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,668.85 300.86	82.27
08 52 16 00-0919	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,811.35 327.84	86.09
<b>08 52 16 00-0920</b>			<b>64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> (08 52 16 00-0872)		

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0921 EA 35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,185.46	69.74
For Tempered Low-E Insulated Glass, Add	209.41	
08 52 16 00-0922 EA 40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,284.64	71.92
For Tempered Low-E Insulated Glass, Add	228.16	
08 52 16 00-0923 EA 48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,430.54	76.28
For Tempered Low-E Insulated Glass, Add	255.59	
08 52 16 00-0924 EA 52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,526.33	78.46
For Tempered Low-E Insulated Glass, Add	273.88	
08 52 16 00-0925 EA 59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,803.73	82.82
For Tempered Low-E Insulated Glass, Add	327.84	
<b>08 52 16 00-0926 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>		
08 52 16 00-0927 EA 35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,327.97	73.02
For Tempered Low-E Insulated Glass, Add	236.39	
08 52 16 00-0928 EA 40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,427.15	76.28
For Tempered Low-E Insulated Glass, Add	255.14	
08 52 16 00-0929 EA 48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,573.04	80.10
For Tempered Low-E Insulated Glass, Add	282.57	
08 52 16 00-0930 EA 52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,668.85	82.27
For Tempered Low-E Insulated Glass, Add	300.86	
08 52 16 00-0931 EA 59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,811.35	86.09
For Tempered Low-E Insulated Glass, Add	327.84	
<b>08 52 16 00-0932 Picture Wood Clad Windows For Double Hung Windows (08 52 16 00-0810)</b>		
<b>08 52 16 00-0933 Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0932)</b>		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0934 35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0935 EA 56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	652.78	68.11
For Tempered Clear Insulated Glass, Add	103.31	
08 52 16 00-0936 EA 59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	670.22	69.74
For Tempered Clear Insulated Glass, Add	106.15	
<b>08 52 16 00-0937 47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0938 EA 47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	670.22	69.74
For Tempered Clear Insulated Glass, Add	106.15	
08 52 16 00-0939 EA 71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	813.87	82.82
For Tempered Clear Insulated Glass, Add	129.65	
<b>08 52 16 00-0940 53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0941 EA 56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	761.52	77.92
For Tempered Clear Insulated Glass, Add	121.14	
08 52 16 00-0942 EA 59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	778.97	79.55
For Tempered Clear Insulated Glass, Add	123.97	
<b>08 52 16 00-0943 56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0944 EA 35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	652.78	68.65
For Tempered Clear Insulated Glass, Add	103.31	
08 52 16 00-0945 EA 53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	761.52	77.92
For Tempered Clear Insulated Glass, Add	121.14	
<b>08 52 16 00-0946 59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0947 EA 35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	670.22	69.74
For Tempered Clear Insulated Glass, Add	106.15	
08 52 16 00-0948 EA 53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	778.97	79.55
For Tempered Clear Insulated Glass, Add	123.97	
08 52 16 00-0949 EA 59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	813.87	82.82
For Tempered Clear Insulated Glass, Add	129.65	
08 52 16 00-0950 EA 65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	850.78	86.09
For Tempered Clear Insulated Glass, Add	135.72	
<b>08 52 16 00-0951 65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0952	EA		59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	850.78 135.72	86.09
08 52 16 00-0953			<b>71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series)</b> (08 52 16 00-0933)		
08 52 16 00-0954	EA		47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	813.87 129.65	82.82
08 52 16 00-0955			<b>Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> (08 52 16 00-0932) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0956			<b>48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> (08 52 16 00-0955)		
08 52 16 00-0957	EA		12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	736.48 126.81	51.22
08 52 16 00-0958	EA		37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,031.11 180.29	65.38
08 52 16 00-0959	EA		41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,076.00 188.39	67.02
08 52 16 00-0960	EA		47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,143.30 200.55	70.29
08 52 16 00-0961	EA		51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,188.17 208.65	73.02
08 52 16 00-0962	EA		59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,279.95 225.26	76.82
08 52 16 00-0963	EA		67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,371.72 241.87	81.73
08 52 16 00-0964			<b>52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> (08 52 16 00-0955)		
08 52 16 00-0965	EA		12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	783.38 135.32	53.40
08 52 16 00-0966	EA		37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,076.00 188.39	67.57
08 52 16 00-0967	EA		41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,122.90 196.90	69.20
08 52 16 00-0968	EA		47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,188.17 208.65	72.47
08 52 16 00-0969	EA		51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,235.07 217.16	75.19
08 52 16 00-0970	EA		59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,326.85 233.77	79.01
08 52 16 00-0971	EA		67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,418.62 250.38	83.91
08 52 16 00-0972			<b>56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> (08 52 16 00-0955)		
08 52 16 00-0973	EA		12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	828.25 143.42	55.57
08 52 16 00-0974	EA		37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,122.90 196.90	69.74
08 52 16 00-0975	EA		41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,167.77 205.00	71.37
08 52 16 00-0976	EA		47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,235.07 217.16	74.65
08 52 16 00-0977	EA		51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,279.95 225.26	77.38
08 52 16 00-0978	EA		59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,371.72 241.87	81.18
08 52 16 00-0979	EA		67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,465.52 258.89	86.09
08 52 16 00-0980			<b>60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> (08 52 16 00-0955)		
08 52 16 00-0981	EA		12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	875.16 151.93	57.76
08 52 16 00-0982	EA		37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,167.77 205.00	71.92
08 52 16 00-0983	EA		41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,214.67 213.51	73.56
08 52 16 00-0984	EA		47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,279.95 225.26	76.82
08 52 16 00-0985	EA		51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,326.85 233.77	79.55

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0986	EA		59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,418.62	83.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	250.38	
08 52 16 00-0987	EA		67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,510.40	88.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	266.99	
<b>08 52 16 00-0988</b>			<b>64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)</b>		
08 52 16 00-0989	EA		12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	920.03	59.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	160.03	
08 52 16 00-0990	EA		37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,214.67	74.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	213.51	
08 52 16 00-0991	EA		41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,261.56	75.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	222.02	
08 52 16 00-0992	EA		47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,326.85	79.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	233.77	
08 52 16 00-0993	EA		51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,371.72	81.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	241.87	
08 52 16 00-0994	EA		59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,465.52	85.54
			<i>For Tempered Low-E Insulated Glass, Add</i>	258.89	
08 52 16 00-0995	EA		67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,557.30	90.45
			<i>For Tempered Low-E Insulated Glass, Add</i>	275.50	
<b>08 52 16 00-0996</b>			<b>68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)</b>		
08 52 16 00-0997	EA		12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	966.93	62.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	168.54	
08 52 16 00-0998	EA		37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,261.56	76.28
			<i>For Tempered Low-E Insulated Glass, Add</i>	222.02	
08 52 16 00-0999	EA		41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,306.44	77.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	230.12	
08 52 16 00-1000	EA		47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,371.72	81.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	241.87	
08 52 16 00-1001	EA		51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,418.62	83.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	250.38	
08 52 16 00-1002	EA		59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,510.40	87.72
			<i>For Tempered Low-E Insulated Glass, Add</i>	266.99	
08 52 16 00-1003	EA		67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,602.17	92.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	283.60	
<b>08 52 16 00-1004</b>			<b>72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)</b>		
08 52 16 00-1005	EA		12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,011.80	64.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	176.64	
08 52 16 00-1006	EA		37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,306.44	78.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	230.12	
08 52 16 00-1007	EA		41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,353.34	80.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	238.63	
08 52 16 00-1008	EA		47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,418.62	83.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	250.38	
08 52 16 00-1009	EA		51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,465.52	86.09
			<i>For Tempered Low-E Insulated Glass, Add</i>	258.89	
08 52 16 00-1010	EA		59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,557.30	89.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	275.50	
08 52 16 00-1011	EA		67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,649.06	94.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	292.11	
<b>08 52 16 00-1012</b>			<b>76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)</b>		
08 52 16 00-1013	EA		12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,058.70	66.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	185.15	
08 52 16 00-1014	EA		37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,353.34	80.64
			<i>For Tempered Low-E Insulated Glass, Add</i>	238.63	
08 52 16 00-1015	EA		41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,398.21	82.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	246.73	
08 52 16 00-1016	EA		47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,465.52	85.54
			<i>For Tempered Low-E Insulated Glass, Add</i>	258.89	
08 52 16 00-1017	EA		51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,510.40	88.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	266.99	
08 52 16 00-1018	EA		59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,602.17	92.08
			<i>For Tempered Low-E Insulated Glass, Add</i>	283.60	
08 52 16 00-1019	EA		67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	1,693.94	96.98
			<i>For Tempered Low-E Insulated Glass, Add</i>	300.21	
<b>08 52 16 00-1020</b>			<b>Picture Wood Clad Windows For Horizontal Sliding Windows (08 52 16 00-0810)</b>		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1021 Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1020)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1022 35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1023 EA 56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	652.78 103.31	68.11
08 52 16 00-1024 EA 59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	670.22 106.15	69.74
08 52 16 00-1025 47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1026 EA 47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	670.22 106.15	69.74
08 52 16 00-1027 EA 71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	813.87 129.65	82.82
08 52 16 00-1028 53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1029 EA 56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	761.52 121.14	77.92
08 52 16 00-1030 EA 59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	778.97 123.97	79.55
08 52 16 00-1031 56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1032 EA 35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	652.78 103.31	68.65
08 52 16 00-1033 EA 53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	761.52 121.14	77.92
08 52 16 00-1034 59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1035 EA 35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	670.22 106.15	69.74
08 52 16 00-1036 EA 53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	778.97 123.97	79.55
08 52 16 00-1037 EA 59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	813.87 129.65	82.82
08 52 16 00-1038 EA 65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	850.78 135.72	86.09
08 52 16 00-1039 65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1040 EA 59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	850.78 135.72	86.09
08 52 16 00-1041 71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1042 EA 47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	813.87 129.65	82.82
08 52 16 00-1043 Basement Wood Clad Windows <small>(08 52 16)</small> Note: Basement windows are hinged at the bottom of the frame and swing outward with a crank or push out operation.		
08 52 16 00-1044 Basement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-1043)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1045 EA 32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series).....	343.00	43.59
08 52 16 00-1046 EA 32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series).....	362.21	43.59
08 52 16 00-1047 EA 32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series).....	379.11	43.59
08 52 16 00-1048 Factory Installed Grilles For Wood Clad Windows <small>(08 52 16)</small>		
08 52 16 00-1049 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1050 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	49.99	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-1051	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	73.66	
08 52 16 00-1052	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	99.97	
08 52 16 00-1053	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	126.28	
08 52 16 00-1054	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	178.89	
<b>08 52 16 00-1055</b>		<b>Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows</b> <small>(08 52 16 00-1048)</small>		
08 52 16 00-1056	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	79.98	
08 52 16 00-1057	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	117.86	
08 52 16 00-1058	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	159.95	
08 52 16 00-1059	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	202.05	
08 52 16 00-1060	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	286.23	
<b>08 52 16 00-1061</b>		<b>Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows</b> <small>(08 52 16 00-1048)</small>		
08 52 16 00-1062	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows .....	95.97	
08 52 16 00-1063	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows .....	141.43	
08 52 16 00-1064	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows .....	191.94	
08 52 16 00-1065	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows .....	242.45	
08 52 16 00-1066	EA	>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows .....	343.48	
<b>08 52 16 00-1067</b>		<b>Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows</b> <small>(08 52 16 00-1048)</small>		
08 52 16 00-1068	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows .....	115.18	
08 52 16 00-1069	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows .....	169.71	
08 52 16 00-1070	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows .....	230.33	
08 52 16 00-1071	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows .....	290.94	
08 52 16 00-1072	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows .....	412.17	
<b>08 52 66</b>		<b>Wood Window Screens</b> <small>(08 52)</small>		
<b>08 52 66 00-0001</b>		<b>Insect Screens For Wood Clad Windows</b> <small>(08 52 66)</small>		
08 52 66 00-0002	EA	Up To 6 SF, Insect Screen For Wood Clad Windows .....	35.46	7.93
08 52 66 00-0003	EA	>6 To 9 SF, Insect Screen For Wood Clad Windows .....	41.05	7.93
08 52 66 00-0004	EA	>9 To 12 SF, Insect Screen For Wood Clad Windows .....	43.85	7.93
08 52 66 00-0005	EA	>12 To 15 SF, Insect Screen For Wood Clad Windows .....	49.45	7.93
08 52 66 00-0006	EA	>15 To 20 SF, Insect Screen For Wood Clad Windows .....	60.64	7.93
08 52 66 00-0007	EA	>20 To 25 SF, Insect Screen For Wood Clad Windows .....	66.24	7.93
08 52 66 00-0008	EA	>25 To 30 SF, Insect Screen For Wood Clad Windows .....	71.83	7.93
08 52 66 00-0009	EA	>30 To 35 SF, Insect Screen For Wood Clad Windows .....	77.43	7.93
08 52 66 00-0010	SF	>35 SF, Insect Screen For Wood Clad Windows .....	2.32	0.16
<b>08 53</b>		<b>Plastic Windows</b> <small>(08 50)</small>		
<b>08 53 13</b>		<b>Vinyl Windows</b> <small>(08 53)</small>		
<b>08 53 13 00-0001</b>		<b>Single Hung Vinyl Windows</b> <small>(08 53 13)</small>		
<b>08 53 13 00-0002</b>		<b>New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0001)</small>		
		Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
<b>08 53 13 00-0003</b>		<b>34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0004	EA	24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	214.93	50.12
		For Colored Vinyl, Add	11.47	
		For Tinted Glass, Add	13.76	
		For Low-E Insulated Glass, Add	28.67	
		For Obscure Glass, Add	31.53	
08 53 13 00-0005	EA	28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	225.68	52.31
		For Colored Vinyl, Add	12.11	
		For Tinted Glass, Add	14.53	
		For Low-E Insulated Glass, Add	30.27	
		For Obscure Glass, Add	33.29	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0006	EA		30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	230.32	53.40
			For Colored Vinyl, Add	12.35	
			For Tinted Glass, Add	14.62	
			For Low-E Insulated Glass, Add	30.88	
			For Obscure Glass, Add	33.97	
08 53 13 00-0007	EA		32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	235.29	54.48
			For Colored Vinyl, Add	12.63	
			For Tinted Glass, Add	15.16	
			For Low-E Insulated Glass, Add	31.58	
			For Obscure Glass, Add	34.74	
08 53 13 00-0008	EA		36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	247.47	56.67
			For Colored Vinyl, Add	13.41	
			For Tinted Glass, Add	16.10	
			For Low-E Insulated Glass, Add	33.54	
			For Obscure Glass, Add	36.89	
08 53 13 00-0009	EA		44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	268.00	61.02
			For Colored Vinyl, Add	14.60	
			For Tinted Glass, Add	17.51	
			For Low-E Insulated Glass, Add	36.49	
			For Obscure Glass, Add	40.14	
<b>08 53 13 00-0010</b>			<b>36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0011	EA		24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	219.35	51.22
			For Colored Vinyl, Add	11.69	
			For Tinted Glass, Add	14.03	
			For Low-E Insulated Glass, Add	29.23	
			For Obscure Glass, Add	32.15	
08 53 13 00-0012	EA		28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	230.10	52.31
			For Colored Vinyl, Add	12.33	
			For Tinted Glass, Add	14.80	
			For Low-E Insulated Glass, Add	30.83	
			For Obscure Glass, Add	33.91	
08 53 13 00-0013	EA		30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	234.75	54.48
			For Colored Vinyl, Add	12.58	
			For Tinted Glass, Add	15.09	
			For Low-E Insulated Glass, Add	31.45	
			For Obscure Glass, Add	34.59	
08 53 13 00-0014	EA		32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	239.72	55.57
			For Colored Vinyl, Add	12.86	
			For Tinted Glass, Add	15.43	
			For Low-E Insulated Glass, Add	32.14	
			For Obscure Glass, Add	35.36	
08 53 13 00-0015	EA		36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	251.91	57.76
			For Colored Vinyl, Add	13.64	
			For Tinted Glass, Add	16.37	
			For Low-E Insulated Glass, Add	34.10	
			For Obscure Glass, Add	37.51	
08 53 13 00-0016	EA		44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	272.43	62.12
			For Colored Vinyl, Add	14.62	
			For Tinted Glass, Add	17.78	
			For Low-E Insulated Glass, Add	37.05	
			For Obscure Glass, Add	40.76	
<b>08 53 13 00-0017</b>			<b>38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0018	EA		24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	223.69	52.31
			For Colored Vinyl, Add	11.91	
			For Tinted Glass, Add	14.29	
			For Low-E Insulated Glass, Add	29.77	
			For Obscure Glass, Add	32.74	
08 53 13 00-0019	EA		28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	234.43	54.48
			For Colored Vinyl, Add	12.55	
			For Tinted Glass, Add	15.06	
			For Low-E Insulated Glass, Add	31.37	
			For Obscure Glass, Add	34.50	
08 53 13 00-0020	EA		30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	239.22	55.57
			For Colored Vinyl, Add	12.81	
			For Tinted Glass, Add	15.37	
			For Low-E Insulated Glass, Add	32.02	
			For Obscure Glass, Add	35.22	
08 53 13 00-0021	EA		32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	244.19	56.67
			For Colored Vinyl, Add	13.09	
			For Tinted Glass, Add	15.70	
			For Low-E Insulated Glass, Add	32.72	
			For Obscure Glass, Add	35.99	
08 53 13 00-0022	EA		36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	256.53	58.85
			For Colored Vinyl, Add	13.88	
			For Tinted Glass, Add	16.66	
			For Low-E Insulated Glass, Add	34.71	
			For Obscure Glass, Add	38.18	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0023 EA 44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	277.27	63.21
For Colored Vinyl, Add	15.09	
For Tinted Glass, Add	18.10	
For Low-E Insulated Glass, Add	37.72	
For Obscure Glass, Add	41.49	
<b>08 53 13 00-0024 44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)</b>		
08 53 13 00-0025 EA 24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	236.84	55.57
For Colored Vinyl, Add	12.57	
For Tinted Glass, Add	15.08	
For Low-E Insulated Glass, Add	31.42	
For Obscure Glass, Add	34.56	
08 53 13 00-0026 EA 28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	247.60	57.76
For Colored Vinyl, Add	13.21	
For Tinted Glass, Add	15.85	
For Low-E Insulated Glass, Add	33.02	
For Obscure Glass, Add	36.32	
08 53 13 00-0027 EA 30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	252.85	58.85
For Colored Vinyl, Add	13.52	
For Tinted Glass, Add	16.22	
For Low-E Insulated Glass, Add	33.79	
For Obscure Glass, Add	37.17	
08 53 13 00-0028 EA 32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	257.82	59.93
For Colored Vinyl, Add	13.80	
For Tinted Glass, Add	16.55	
For Low-E Insulated Glass, Add	34.49	
For Obscure Glass, Add	37.94	
08 53 13 00-0029 EA 36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	270.63	62.12
For Colored Vinyl, Add	14.64	
For Tinted Glass, Add	17.57	
For Low-E Insulated Glass, Add	36.60	
For Obscure Glass, Add	40.26	
08 53 13 00-0030 EA 44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	291.97	66.47
For Colored Vinyl, Add	15.90	
For Tinted Glass, Add	19.08	
For Low-E Insulated Glass, Add	39.76	
For Obscure Glass, Add	43.73	
<b>08 53 13 00-0031 46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)</b>		
08 53 13 00-0032 EA 24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	241.27	56.67
For Colored Vinyl, Add	12.79	
For Tinted Glass, Add	15.35	
For Low-E Insulated Glass, Add	31.99	
For Obscure Glass, Add	35.18	
08 53 13 00-0033 EA 28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	252.02	58.85
For Colored Vinyl, Add	13.43	
For Tinted Glass, Add	16.12	
For Low-E Insulated Glass, Add	33.58	
For Obscure Glass, Add	36.94	
08 53 13 00-0034 EA 30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	257.43	59.93
For Colored Vinyl, Add	13.76	
For Tinted Glass, Add	16.51	
For Low-E Insulated Glass, Add	34.39	
For Obscure Glass, Add	37.83	
08 53 13 00-0035 EA 32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	262.40	61.02
For Colored Vinyl, Add	14.04	
For Tinted Glass, Add	16.84	
For Low-E Insulated Glass, Add	35.09	
For Obscure Glass, Add	38.60	
08 53 13 00-0036 EA 36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	275.35	63.21
For Colored Vinyl, Add	14.89	
For Tinted Glass, Add	17.87	
For Low-E Insulated Glass, Add	37.24	
For Obscure Glass, Add	40.96	
08 53 13 00-0037 EA 44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	296.89	67.57
For Colored Vinyl, Add	16.18	
For Tinted Glass, Add	19.41	
For Low-E Insulated Glass, Add	40.44	
For Obscure Glass, Add	44.49	
<b>08 53 13 00-0038 48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)</b>		
08 53 13 00-0039 EA 24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	245.75	57.76
For Colored Vinyl, Add	13.02	
For Tinted Glass, Add	15.63	
For Low-E Insulated Glass, Add	32.56	
For Obscure Glass, Add	35.81	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0040 EA 28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	256.49	59.93
For Colored Vinyl, Add	13.66	
For Tinted Glass, Add	16.39	
For Low-E Insulated Glass, Add	34.16	
For Obscure Glass, Add	37.57	
08 53 13 00-0041 EA 30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	262.04	61.02
For Colored Vinyl, Add	14.00	
For Tinted Glass, Add	16.80	
For Low-E Insulated Glass, Add	35.00	
For Obscure Glass, Add	38.50	
08 53 13 00-0042 EA 32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	267.01	62.12
For Colored Vinyl, Add	14.28	
For Tinted Glass, Add	17.13	
For Low-E Insulated Glass, Add	35.70	
For Obscure Glass, Add	39.26	
08 53 13 00-0043 EA 36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	280.12	64.29
For Colored Vinyl, Add	15.15	
For Tinted Glass, Add	18.18	
For Low-E Insulated Glass, Add	37.88	
For Obscure Glass, Add	41.67	
08 53 13 00-0044 EA 44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	301.87	68.65
For Colored Vinyl, Add	16.46	
For Tinted Glass, Add	19.75	
For Low-E Insulated Glass, Add	41.14	
For Obscure Glass, Add	45.25	
<b>08 53 13 00-0045 50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0046 EA 24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	250.06	58.85
For Colored Vinyl, Add	13.24	
For Tinted Glass, Add	15.88	
For Low-E Insulated Glass, Add	33.09	
For Obscure Glass, Add	36.40	
08 53 13 00-0047 EA 28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	260.81	61.02
For Colored Vinyl, Add	13.88	
For Tinted Glass, Add	16.65	
For Low-E Insulated Glass, Add	34.69	
For Obscure Glass, Add	38.16	
08 53 13 00-0048 EA 30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	266.52	62.12
For Colored Vinyl, Add	14.23	
For Tinted Glass, Add	17.07	
For Low-E Insulated Glass, Add	35.57	
For Obscure Glass, Add	39.13	
08 53 13 00-0049 EA 32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	271.49	63.21
For Colored Vinyl, Add	14.51	
For Tinted Glass, Add	17.41	
For Low-E Insulated Glass, Add	36.27	
For Obscure Glass, Add	39.90	
08 53 13 00-0050 EA 36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	284.75	65.38
For Colored Vinyl, Add	15.40	
For Tinted Glass, Add	18.48	
For Low-E Insulated Glass, Add	38.50	
For Obscure Glass, Add	42.34	
08 53 13 00-0051 EA 44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	306.69	69.74
For Colored Vinyl, Add	16.72	
For Tinted Glass, Add	20.07	
For Low-E Insulated Glass, Add	41.80	
For Obscure Glass, Add	45.98	
<b>08 53 13 00-0052 52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0053 EA 24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	254.40	59.93
For Colored Vinyl, Add	13.45	
For Tinted Glass, Add	16.14	
For Low-E Insulated Glass, Add	33.63	
For Obscure Glass, Add	37.00	
08 53 13 00-0054 EA 28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	265.15	62.12
For Colored Vinyl, Add	14.09	
For Tinted Glass, Add	16.91	
For Low-E Insulated Glass, Add	35.23	
For Obscure Glass, Add	38.75	
08 53 13 00-0055 EA 30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	271.02	63.21
For Colored Vinyl, Add	14.46	
For Tinted Glass, Add	17.35	
For Low-E Insulated Glass, Add	36.15	
For Obscure Glass, Add	39.77	
08 53 13 00-0056 EA 32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	276.00	64.29
For Colored Vinyl, Add	14.74	
For Tinted Glass, Add	17.69	
For Low-E Insulated Glass, Add	36.85	
For Obscure Glass, Add	40.54	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0057	EA		36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	289.41	66.47
			<i>For Colored Vinyl, Add</i>	15.65	
			<i>For Tinted Glass, Add</i>	18.78	
			<i>For Low-E Insulated Glass, Add</i>	39.12	
			<i>For Obscure Glass, Add</i>	43.03	
08 53 13 00-0058	EA		44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	311.56	70.83
			<i>For Colored Vinyl, Add</i>	16.99	
			<i>For Tinted Glass, Add</i>	20.39	
			<i>For Low-E Insulated Glass, Add</i>	42.47	
			<i>For Obscure Glass, Add</i>	46.72	
<b>08 53 13 00-0059</b>			<b>54" Height, New Construction, Single Hung Vinyl Windows (Silver Line</b>		
			<b>2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0060	EA		24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	258.74	61.02
			<i>For Colored Vinyl, Add</i>	13.67	
			<i>For Tinted Glass, Add</i>	16.40	
			<i>For Low-E Insulated Glass, Add</i>	34.17	
			<i>For Obscure Glass, Add</i>	37.59	
08 53 13 00-0061	EA		28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	269.49	63.21
			<i>For Colored Vinyl, Add</i>	14.31	
			<i>For Tinted Glass, Add</i>	17.17	
			<i>For Low-E Insulated Glass, Add</i>	35.77	
			<i>For Obscure Glass, Add</i>	39.35	
08 53 13 00-0062	EA		30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	275.51	64.29
			<i>For Colored Vinyl, Add</i>	14.69	
			<i>For Tinted Glass, Add</i>	17.63	
			<i>For Low-E Insulated Glass, Add</i>	36.73	
			<i>For Obscure Glass, Add</i>	40.40	
08 53 13 00-0063	EA		32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	280.48	65.38
			<i>For Colored Vinyl, Add</i>	14.97	
			<i>For Tinted Glass, Add</i>	17.97	
			<i>For Low-E Insulated Glass, Add</i>	37.43	
			<i>For Obscure Glass, Add</i>	41.17	
08 53 13 00-0064	EA		36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	294.03	67.57
			<i>For Colored Vinyl, Add</i>	15.89	
			<i>For Tinted Glass, Add</i>	19.07	
			<i>For Low-E Insulated Glass, Add</i>	39.73	
			<i>For Obscure Glass, Add</i>	43.70	
08 53 13 00-0065	EA		44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	316.38	71.92
			<i>For Colored Vinyl, Add</i>	17.25	
			<i>For Tinted Glass, Add</i>	20.70	
			<i>For Low-E Insulated Glass, Add</i>	43.14	
			<i>For Obscure Glass, Add</i>	47.45	
<b>08 53 13 00-0066</b>			<b>60" Height, New Construction, Single Hung Vinyl Windows (Silver Line</b>		
			<b>2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0067	EA		24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	272.03	64.29
			<i>For Colored Vinyl, Add</i>	14.34	
			<i>For Tinted Glass, Add</i>	17.21	
			<i>For Low-E Insulated Glass, Add</i>	35.86	
			<i>For Obscure Glass, Add</i>	39.45	
08 53 13 00-0068	EA		28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	282.79	66.47
			<i>For Colored Vinyl, Add</i>	14.98	
			<i>For Tinted Glass, Add</i>	17.98	
			<i>For Low-E Insulated Glass, Add</i>	37.46	
			<i>For Obscure Glass, Add</i>	41.21	
08 53 13 00-0069	EA		30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	289.22	67.57
			<i>For Colored Vinyl, Add</i>	15.41	
			<i>For Tinted Glass, Add</i>	18.49	
			<i>For Low-E Insulated Glass, Add</i>	38.53	
			<i>For Obscure Glass, Add</i>	42.38	
08 53 13 00-0070	EA		32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	294.20	68.65
			<i>For Colored Vinyl, Add</i>	15.69	
			<i>For Tinted Glass, Add</i>	18.83	
			<i>For Low-E Insulated Glass, Add</i>	39.22	
			<i>For Obscure Glass, Add</i>	43.14	
08 53 13 00-0071	EA		36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	308.23	70.83
			<i>For Colored Vinyl, Add</i>	16.66	
			<i>For Tinted Glass, Add</i>	19.99	
			<i>For Low-E Insulated Glass, Add</i>	41.64	
			<i>For Obscure Glass, Add</i>	45.80	
08 53 13 00-0072	EA		44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	331.18	75.19
			<i>For Colored Vinyl, Add</i>	18.08	
			<i>For Tinted Glass, Add</i>	21.70	
			<i>For Low-E Insulated Glass, Add</i>	45.20	
			<i>For Obscure Glass, Add</i>	49.72	
<b>08 53 13 00-0073</b>			<b>62" Height, New Construction, Single Hung Vinyl Windows (Silver Line</b>		
			<b>2200)</b> <small>(08 53 13 00-0002)</small>		





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0074	EA		24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	276.37	65.38
			For Colored Vinyl, Add	14.56	
			For Tinted Glass, Add	17.47	
			For Low-E Insulated Glass, Add	36.40	
			For Obscure Glass, Add	40.04	
08 53 13 00-0075	EA		28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	287.12	67.57
			For Colored Vinyl, Add	15.20	
			For Tinted Glass, Add	18.24	
			For Low-E Insulated Glass, Add	38.00	
			For Obscure Glass, Add	41.80	
08 53 13 00-0076	EA		30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	293.75	68.65
			For Colored Vinyl, Add	15.64	
			For Tinted Glass, Add	18.77	
			For Low-E Insulated Glass, Add	39.11	
			For Obscure Glass, Add	43.02	
08 53 13 00-0077	EA		32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	298.71	69.74
			For Colored Vinyl, Add	15.92	
			For Tinted Glass, Add	19.11	
			For Low-E Insulated Glass, Add	39.81	
			For Obscure Glass, Add	43.79	
08 53 13 00-0078	EA		36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	312.89	71.92
			For Colored Vinyl, Add	16.91	
			For Tinted Glass, Add	20.29	
			For Low-E Insulated Glass, Add	42.26	
			For Obscure Glass, Add	46.49	
08 53 13 00-0079	EA		44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	336.07	76.28
			For Colored Vinyl, Add	18.35	
			For Tinted Glass, Add	22.02	
			For Low-E Insulated Glass, Add	45.88	
			For Obscure Glass, Add	50.46	
<b>08 53 13 00-0080</b>			<b>66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0081	EA		24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	285.15	67.57
			For Colored Vinyl, Add	15.00	
			For Tinted Glass, Add	18.00	
			For Low-E Insulated Glass, Add	37.51	
			For Obscure Glass, Add	41.26	
08 53 13 00-0082	EA		28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	295.91	69.74
			For Colored Vinyl, Add	15.64	
			For Tinted Glass, Add	18.77	
			For Low-E Insulated Glass, Add	39.11	
			For Obscure Glass, Add	43.02	
08 53 13 00-0083	EA		30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	302.83	70.83
			For Colored Vinyl, Add	16.12	
			For Tinted Glass, Add	19.34	
			For Low-E Insulated Glass, Add	40.29	
			For Obscure Glass, Add	44.32	
08 53 13 00-0084	EA		32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	307.79	71.92
			For Colored Vinyl, Add	16.40	
			For Tinted Glass, Add	19.67	
			For Low-E Insulated Glass, Add	40.99	
			For Obscure Glass, Add	45.09	
08 53 13 00-0085	EA		36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	322.30	74.10
			For Colored Vinyl, Add	17.41	
			For Tinted Glass, Add	20.89	
			For Low-E Insulated Glass, Add	43.52	
			For Obscure Glass, Add	47.87	
08 53 13 00-0086	EA		44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	345.84	78.46
			For Colored Vinyl, Add	18.89	
			For Tinted Glass, Add	22.67	
			For Low-E Insulated Glass, Add	47.23	
			For Obscure Glass, Add	51.95	
<b>08 53 13 00-0087</b>			<b>72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0088	EA		24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	298.46	70.83
			For Colored Vinyl, Add	15.68	
			For Tinted Glass, Add	18.81	
			For Low-E Insulated Glass, Add	39.20	
			For Obscure Glass, Add	43.12	
08 53 13 00-0089	EA		28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	309.20	73.02
			For Colored Vinyl, Add	16.32	
			For Tinted Glass, Add	19.58	
			For Low-E Insulated Glass, Add	40.80	
			For Obscure Glass, Add	44.87	
08 53 13 00-0090	EA		30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	316.12	74.10
			For Colored Vinyl, Add	16.79	
			For Tinted Glass, Add	20.15	
			For Low-E Insulated Glass, Add	41.98	
			For Obscure Glass, Add	46.18	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0091	EA		32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	321.08	75.19
			For Colored Vinyl, Add	17.07	
			For Tinted Glass, Add	20.48	
			For Low-E Insulated Glass, Add	42.68	
			For Obscure Glass, Add	46.94	
08 53 13 00-0092	EA		36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	335.58	77.38
			For Colored Vinyl, Add	18.08	
			For Tinted Glass, Add	21.70	
			For Low-E Insulated Glass, Add	45.21	
			For Obscure Glass, Add	49.73	
08 53 13 00-0093	EA		44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	359.14	81.73
			For Colored Vinyl, Add	19.57	
			For Tinted Glass, Add	23.48	
			For Low-E Insulated Glass, Add	48.92	
			For Obscure Glass, Add	53.81	
<b>08 53 13 00-0094</b>			<b>Replacement, Single Hung Vinyl Windows (Silver Line 2000)</b> (08 53 13 00-0001)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0095	EA		Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	298.43	57.21
			For Colored Vinyl, Add	18.40	
			For Tinted Glass, Add	22.08	
			For Low-E Insulated Glass, Add	46.00	
			For Obscure Glass, Add	50.60	
08 53 13 00-0096	EA		>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	327.06	62.66
			For Colored Vinyl, Add	20.17	
			For Tinted Glass, Add	24.21	
			For Low-E Insulated Glass, Add	50.44	
			For Obscure Glass, Add	55.48	
08 53 13 00-0097	EA		>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	353.90	68.11
			For Colored Vinyl, Add	21.77	
			For Tinted Glass, Add	26.12	
			For Low-E Insulated Glass, Add	54.42	
			For Obscure Glass, Add	59.86	
08 53 13 00-0098	EA		>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	374.43	73.56
			For Colored Vinyl, Add	22.73	
			For Tinted Glass, Add	27.28	
			For Low-E Insulated Glass, Add	56.83	
			For Obscure Glass, Add	62.51	
08 53 13 00-0099	EA		>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	395.67	79.01
			For Colored Vinyl, Add	23.77	
			For Tinted Glass, Add	28.52	
			For Low-E Insulated Glass, Add	59.42	
			For Obscure Glass, Add	65.36	
08 53 13 00-0100	EA		>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	428.18	84.46
			For Colored Vinyl, Add	25.93	
			For Tinted Glass, Add	31.11	
			For Low-E Insulated Glass, Add	64.82	
			For Obscure Glass, Add	71.30	
08 53 13 00-0101	UI		>120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	3.58	0.70
			For Colored Vinyl, Add	0.22	
			For Tinted Glass, Add	0.26	
			For Low-E Insulated Glass, Add	0.54	
			For Obscure Glass, Add	0.59	
<b>08 53 13 00-0102</b>			<b>Double Hung Vinyl Windows</b> (08 53 13)		
<b>08 53 13 00-0103</b>			<b>New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> (08 53 13 00-0102)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
<b>08 53 13 00-0104</b>			<b>34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> (08 53 13 00-0103)		
08 53 13 00-0105	EA		24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	284.20	50.12
			For Colored Vinyl, Add	18.39	
			For Tinted Glass, Add	22.07	
			For Low-E Insulated Glass, Add	45.99	
			For Obscure Glass, Add	50.58	
08 53 13 00-0106	EA		28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	294.95	52.31
			For Colored Vinyl, Add	19.03	
			For Tinted Glass, Add	22.84	
			For Low-E Insulated Glass, Add	47.58	
			For Obscure Glass, Add	52.34	
08 53 13 00-0107	EA		30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	300.18	53.40
			For Colored Vinyl, Add	19.34	
			For Tinted Glass, Add	23.21	
			For Low-E Insulated Glass, Add	48.35	
			For Obscure Glass, Add	53.18	
08 53 13 00-0108	EA		32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	305.15	54.48
			For Colored Vinyl, Add	19.62	
			For Tinted Glass, Add	23.54	
			For Low-E Insulated Glass, Add	49.05	
			For Obscure Glass, Add	53.95	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0109 EA 36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	316.73	56.67
For Colored Vinyl, Add	20.34	
For Tinted Glass, Add	24.41	
For Low-E Insulated Glass, Add	50.85	
For Obscure Glass, Add	55.94	
08 53 13 00-0110 EA 44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	336.49	61.02
For Colored Vinyl, Add	21.44	
For Tinted Glass, Add	25.73	
For Low-E Insulated Glass, Add	53.61	
For Obscure Glass, Add	58.97	
<b>08 53 13 00-0111 36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0112 EA 24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	288.62	51.22
For Colored Vinyl, Add	18.62	
For Tinted Glass, Add	22.34	
For Low-E Insulated Glass, Add	46.55	
For Obscure Glass, Add	51.20	
08 53 13 00-0113 EA 28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	299.37	53.40
For Colored Vinyl, Add	19.26	
For Tinted Glass, Add	23.11	
For Low-E Insulated Glass, Add	48.15	
For Obscure Glass, Add	52.96	
08 53 13 00-0114 EA 30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	304.61	54.48
For Colored Vinyl, Add	19.56	
For Tinted Glass, Add	23.48	
For Low-E Insulated Glass, Add	48.91	
For Obscure Glass, Add	53.80	
08 53 13 00-0115 EA 32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	309.58	55.57
For Colored Vinyl, Add	19.84	
For Tinted Glass, Add	23.81	
For Low-E Insulated Glass, Add	49.61	
For Obscure Glass, Add	54.57	
08 53 13 00-0116 EA 36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	321.17	57.76
For Colored Vinyl, Add	20.57	
For Tinted Glass, Add	24.68	
For Low-E Insulated Glass, Add	51.41	
For Obscure Glass, Add	56.55	
08 53 13 00-0117 EA 44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	340.92	62.12
For Colored Vinyl, Add	21.67	
For Tinted Glass, Add	26.00	
For Low-E Insulated Glass, Add	54.17	
For Obscure Glass, Add	59.59	
<b>08 53 13 00-0118 38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0119 EA 24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	292.73	52.31
For Colored Vinyl, Add	18.81	
For Tinted Glass, Add	22.57	
For Low-E Insulated Glass, Add	47.03	
For Obscure Glass, Add	51.73	
08 53 13 00-0120 EA 28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	303.48	54.48
For Colored Vinyl, Add	19.45	
For Tinted Glass, Add	23.34	
For Low-E Insulated Glass, Add	48.63	
For Obscure Glass, Add	53.49	
08 53 13 00-0121 EA 30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	308.84	55.57
For Colored Vinyl, Add	19.77	
For Tinted Glass, Add	23.72	
For Low-E Insulated Glass, Add	49.42	
For Obscure Glass, Add	54.36	
08 53 13 00-0122 EA 32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	313.81	56.67
For Colored Vinyl, Add	20.05	
For Tinted Glass, Add	24.06	
For Low-E Insulated Glass, Add	50.12	
For Obscure Glass, Add	55.13	
08 53 13 00-0123 EA 36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	325.57	58.85
For Colored Vinyl, Add	20.79	
For Tinted Glass, Add	24.95	
For Low-E Insulated Glass, Add	51.97	
For Obscure Glass, Add	57.17	
08 53 13 00-0124 EA 44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	345.51	63.21
For Colored Vinyl, Add	21.91	
For Tinted Glass, Add	26.29	
For Low-E Insulated Glass, Add	54.78	
For Obscure Glass, Add	60.25	
<b>08 53 13 00-0125 44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0126	EA		24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	306.27	55.57
			<i>For Colored Vinyl, Add</i>	19.51	
			<i>For Tinted Glass, Add</i>	23.41	
			<i>For Low-E Insulated Glass, Add</i>	48.78	
			<i>For Obscure Glass, Add</i>	53.66	
08 53 13 00-0127	EA		32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	317.03	57.76
			<i>For Colored Vinyl, Add</i>	20.15	
			<i>For Tinted Glass, Add</i>	24.18	
			<i>For Low-E Insulated Glass, Add</i>	50.38	
			<i>For Obscure Glass, Add</i>	55.42	
08 53 13 00-0128	EA		30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	321.65	58.85
			<i>For Colored Vinyl, Add</i>	20.40	
			<i>For Tinted Glass, Add</i>	24.48	
			<i>For Low-E Insulated Glass, Add</i>	50.99	
			<i>For Obscure Glass, Add</i>	56.09	
08 53 13 00-0129	EA		32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	326.62	59.93
			<i>For Colored Vinyl, Add</i>	20.68	
			<i>For Tinted Glass, Add</i>	24.81	
			<i>For Low-E Insulated Glass, Add</i>	51.69	
			<i>For Obscure Glass, Add</i>	56.86	
08 53 13 00-0130	EA		36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	338.78	62.12
			<i>For Colored Vinyl, Add</i>	21.46	
			<i>For Tinted Glass, Add</i>	25.75	
			<i>For Low-E Insulated Glass, Add</i>	53.64	
			<i>For Obscure Glass, Add</i>	59.00	
08 53 13 00-0131	EA		44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	359.61	66.47
			<i>For Colored Vinyl, Add</i>	22.67	
			<i>For Tinted Glass, Add</i>	27.20	
			<i>For Low-E Insulated Glass, Add</i>	56.67	
			<i>For Obscure Glass, Add</i>	62.33	
08 53 13 00-0132			<b>46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0133	EA		24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	310.36	56.67
			<i>For Colored Vinyl, Add</i>	19.70	
			<i>For Tinted Glass, Add</i>	23.64	
			<i>For Low-E Insulated Glass, Add</i>	49.26	
			<i>For Obscure Glass, Add</i>	54.18	
08 53 13 00-0134	EA		28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	321.11	58.85
			<i>For Colored Vinyl, Add</i>	20.34	
			<i>For Tinted Glass, Add</i>	24.41	
			<i>For Low-E Insulated Glass, Add</i>	50.86	
			<i>For Obscure Glass, Add</i>	55.94	
08 53 13 00-0135	EA		30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	325.93	59.93
			<i>For Colored Vinyl, Add</i>	20.61	
			<i>For Tinted Glass, Add</i>	24.73	
			<i>For Low-E Insulated Glass, Add</i>	51.52	
			<i>For Obscure Glass, Add</i>	56.67	
08 53 13 00-0136	EA		32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	330.91	61.02
			<i>For Colored Vinyl, Add</i>	20.89	
			<i>For Tinted Glass, Add</i>	25.06	
			<i>For Low-E Insulated Glass, Add</i>	52.22	
			<i>For Obscure Glass, Add</i>	57.44	
08 53 13 00-0137	EA		36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	343.19	63.21
			<i>For Colored Vinyl, Add</i>	21.68	
			<i>For Tinted Glass, Add</i>	26.01	
			<i>For Low-E Insulated Glass, Add</i>	54.20	
			<i>For Obscure Glass, Add</i>	59.61	
08 53 13 00-0138	EA		44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	364.56	67.57
			<i>For Colored Vinyl, Add</i>	22.94	
			<i>For Tinted Glass, Add</i>	27.53	
			<i>For Low-E Insulated Glass, Add</i>	57.36	
			<i>For Obscure Glass, Add</i>	63.10	
08 53 13 00-0139			<b>48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0140	EA		24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	314.49	57.76
			<i>For Colored Vinyl, Add</i>	19.90	
			<i>For Tinted Glass, Add</i>	23.88	
			<i>For Low-E Insulated Glass, Add</i>	49.74	
			<i>For Obscure Glass, Add</i>	54.72	
08 53 13 00-0141	EA		28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	325.23	59.93
			<i>For Colored Vinyl, Add</i>	20.54	
			<i>For Tinted Glass, Add</i>	24.64	
			<i>For Low-E Insulated Glass, Add</i>	51.34	
			<i>For Obscure Glass, Add</i>	56.47	
08 53 13 00-0142	EA		30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	330.17	61.02
			<i>For Colored Vinyl, Add</i>	20.81	
			<i>For Tinted Glass, Add</i>	24.97	
			<i>For Low-E Insulated Glass, Add</i>	52.03	
			<i>For Obscure Glass, Add</i>	57.23	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0143	EA		32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	335.14	62.12
			<i>For Colored Vinyl, Add</i>	21.09	
			<i>For Tinted Glass, Add</i>	25.31	
			<i>For Low-E Insulated Glass, Add</i>	52.73	
			<i>For Obscure Glass, Add</i>	58.00	
08 53 13 00-0144	EA		36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	347.60	64.29
			<i>For Colored Vinyl, Add</i>	21.90	
			<i>For Tinted Glass, Add</i>	26.28	
			<i>For Low-E Insulated Glass, Add</i>	54.75	
			<i>For Obscure Glass, Add</i>	60.23	
08 53 13 00-0145	EA		44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	369.45	68.65
			<i>For Colored Vinyl, Add</i>	23.21	
			<i>For Tinted Glass, Add</i>	27.86	
			<i>For Low-E Insulated Glass, Add</i>	58.04	
			<i>For Obscure Glass, Add</i>	63.84	
<b>08 53 13 00-0146</b>			<b>50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0147	EA		24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	318.57	58.85
			<i>For Colored Vinyl, Add</i>	20.09	
			<i>For Tinted Glass, Add</i>	24.11	
			<i>For Low-E Insulated Glass, Add</i>	50.22	
			<i>For Obscure Glass, Add</i>	55.24	
08 53 13 00-0148	EA		28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	329.32	61.02
			<i>For Colored Vinyl, Add</i>	20.73	
			<i>For Tinted Glass, Add</i>	24.87	
			<i>For Low-E Insulated Glass, Add</i>	51.82	
			<i>For Obscure Glass, Add</i>	57.00	
08 53 13 00-0149	EA		30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	334.44	62.12
			<i>For Colored Vinyl, Add</i>	21.02	
			<i>For Tinted Glass, Add</i>	25.23	
			<i>For Low-E Insulated Glass, Add</i>	52.55	
			<i>For Obscure Glass, Add</i>	57.81	
08 53 13 00-0150	EA		32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	339.41	63.21
			<i>For Colored Vinyl, Add</i>	21.30	
			<i>For Tinted Glass, Add</i>	25.56	
			<i>For Low-E Insulated Glass, Add</i>	53.25	
			<i>For Obscure Glass, Add</i>	58.58	
08 53 13 00-0151	EA		36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	352.01	65.38
			<i>For Colored Vinyl, Add</i>	22.12	
			<i>For Tinted Glass, Add</i>	26.55	
			<i>For Low-E Insulated Glass, Add</i>	55.31	
			<i>For Obscure Glass, Add</i>	60.84	
08 53 13 00-0152	EA		44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	374.37	69.74
			<i>For Colored Vinyl, Add</i>	23.49	
			<i>For Tinted Glass, Add</i>	28.19	
			<i>For Low-E Insulated Glass, Add</i>	58.72	
			<i>For Obscure Glass, Add</i>	64.59	
<b>08 53 13 00-0153</b>			<b>52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0154	EA		24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	322.68	59.93
			<i>For Colored Vinyl, Add</i>	20.28	
			<i>For Tinted Glass, Add</i>	24.34	
			<i>For Low-E Insulated Glass, Add</i>	50.70	
			<i>For Obscure Glass, Add</i>	55.77	
08 53 13 00-0155	EA		28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	333.43	62.12
			<i>For Colored Vinyl, Add</i>	20.92	
			<i>For Tinted Glass, Add</i>	25.10	
			<i>For Low-E Insulated Glass, Add</i>	52.30	
			<i>For Obscure Glass, Add</i>	57.53	
08 53 13 00-0156	EA		30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	338.67	63.21
			<i>For Colored Vinyl, Add</i>	21.23	
			<i>For Tinted Glass, Add</i>	25.47	
			<i>For Low-E Insulated Glass, Add</i>	53.07	
			<i>For Obscure Glass, Add</i>	58.37	
08 53 13 00-0157	EA		32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	343.64	64.29
			<i>For Colored Vinyl, Add</i>	21.51	
			<i>For Tinted Glass, Add</i>	25.81	
			<i>For Low-E Insulated Glass, Add</i>	53.76	
			<i>For Obscure Glass, Add</i>	59.14	
08 53 13 00-0158	EA		36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	356.73	66.47
			<i>For Colored Vinyl, Add</i>	22.38	
			<i>For Tinted Glass, Add</i>	26.85	
			<i>For Low-E Insulated Glass, Add</i>	55.95	
			<i>For Obscure Glass, Add</i>	61.54	
08 53 13 00-0159	EA		44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	379.24	70.83
			<i>For Colored Vinyl, Add</i>	23.76	
			<i>For Tinted Glass, Add</i>	28.51	
			<i>For Low-E Insulated Glass, Add</i>	59.39	
			<i>For Obscure Glass, Add</i>	65.33	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0160			<b>54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0161	EA		24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	326.80	61.02
			For Colored Vinyl, Add	20.48	
			For Tinted Glass, Add	24.57	
			For Low-E Insulated Glass, Add	51.19	
			For Obscure Glass, Add	56.31	
08 53 13 00-0162	EA		28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	337.55	63.21
			For Colored Vinyl, Add	21.11	
			For Tinted Glass, Add	25.34	
			For Low-E Insulated Glass, Add	52.79	
			For Obscure Glass, Add	58.06	
08 53 13 00-0163	EA		30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	342.96	64.29
			For Colored Vinyl, Add	21.44	
			For Tinted Glass, Add	25.72	
			For Low-E Insulated Glass, Add	53.59	
			For Obscure Glass, Add	58.95	
08 53 13 00-0164	EA		32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	347.93	65.38
			For Colored Vinyl, Add	21.72	
			For Tinted Glass, Add	26.06	
			For Low-E Insulated Glass, Add	54.29	
			For Obscure Glass, Add	59.72	
08 53 13 00-0165	EA		36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	361.44	67.57
			For Colored Vinyl, Add	22.63	
			For Tinted Glass, Add	27.16	
			For Low-E Insulated Glass, Add	56.58	
			For Obscure Glass, Add	62.24	
08 53 13 00-0166	EA		44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	384.11	71.92
			For Colored Vinyl, Add	24.03	
			For Tinted Glass, Add	28.83	
			For Low-E Insulated Glass, Add	60.07	
			For Obscure Glass, Add	66.07	
08 53 13 00-0167			<b>60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0168	EA		24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	339.16	64.29
			For Colored Vinyl, Add	21.06	
			For Tinted Glass, Add	25.27	
			For Low-E Insulated Glass, Add	52.64	
			For Obscure Glass, Add	57.91	
08 53 13 00-0169	EA		28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	349.91	66.47
			For Colored Vinyl, Add	21.70	
			For Tinted Glass, Add	26.04	
			For Low-E Insulated Glass, Add	54.24	
			For Obscure Glass, Add	59.66	
08 53 13 00-0170	EA		30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	356.36	67.57
			For Colored Vinyl, Add	22.12	
			For Tinted Glass, Add	26.55	
			For Low-E Insulated Glass, Add	55.31	
			For Obscure Glass, Add	60.84	
08 53 13 00-0171	EA		32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	361.34	68.65
			For Colored Vinyl, Add	22.40	
			For Tinted Glass, Add	26.88	
			For Low-E Insulated Glass, Add	56.01	
			For Obscure Glass, Add	61.61	
08 53 13 00-0172	EA		36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	375.55	70.83
			For Colored Vinyl, Add	23.39	
			For Tinted Glass, Add	28.07	
			For Low-E Insulated Glass, Add	58.47	
			For Obscure Glass, Add	64.32	
08 53 13 00-0173	EA		44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	398.79	75.19
			For Colored Vinyl, Add	24.84	
			For Tinted Glass, Add	29.81	
			For Low-E Insulated Glass, Add	62.10	
			For Obscure Glass, Add	68.31	
08 53 13 00-0174			<b>62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0175	EA		24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	343.26	65.38
			For Colored Vinyl, Add	21.25	
			For Tinted Glass, Add	25.50	
			For Low-E Insulated Glass, Add	53.12	
			For Obscure Glass, Add	58.43	
08 53 13 00-0176	EA		28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	354.00	67.57
			For Colored Vinyl, Add	21.89	
			For Tinted Glass, Add	26.27	
			For Low-E Insulated Glass, Add	54.72	
			For Obscure Glass, Add	60.19	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0177	EA		30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	360.91	68.65
			<i>For Colored Vinyl, Add</i>	22.36	
			<i>For Tinted Glass, Add</i>	26.83	
			<i>For Low-E Insulated Glass, Add</i>	55.90	
			<i>For Obscure Glass, Add</i>	61.49	
08 53 13 00-0178	EA		32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	365.87	69.74
			<i>For Colored Vinyl, Add</i>	22.64	
			<i>For Tinted Glass, Add</i>	27.17	
			<i>For Low-E Insulated Glass, Add</i>	56.60	
			<i>For Obscure Glass, Add</i>	62.26	
08 53 13 00-0179	EA		36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	380.22	71.92
			<i>For Colored Vinyl, Add</i>	23.64	
			<i>For Tinted Glass, Add</i>	28.37	
			<i>For Low-E Insulated Glass, Add</i>	59.10	
			<i>For Obscure Glass, Add</i>	65.00	
08 53 13 00-0180	EA		44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	404.04	76.28
			<i>For Colored Vinyl, Add</i>	25.15	
			<i>For Tinted Glass, Add</i>	30.18	
			<i>For Low-E Insulated Glass, Add</i>	62.87	
			<i>For Obscure Glass, Add</i>	69.15	
<b>08 53 13 00-0181</b>			<b>66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0182	EA		24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	352.11	67.57
			<i>For Colored Vinyl, Add</i>	21.70	
			<i>For Tinted Glass, Add</i>	26.04	
			<i>For Low-E Insulated Glass, Add</i>	54.25	
			<i>For Obscure Glass, Add</i>	59.67	
08 53 13 00-0183	EA		28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	362.87	69.74
			<i>For Colored Vinyl, Add</i>	22.34	
			<i>For Tinted Glass, Add</i>	26.81	
			<i>For Low-E Insulated Glass, Add</i>	55.85	
			<i>For Obscure Glass, Add</i>	61.43	
08 53 13 00-0184	EA		30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	370.01	70.83
			<i>For Colored Vinyl, Add</i>	22.83	
			<i>For Tinted Glass, Add</i>	27.40	
			<i>For Low-E Insulated Glass, Add</i>	57.09	
			<i>For Obscure Glass, Add</i>	62.79	
08 53 13 00-0185	EA		32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	374.97	71.92
			<i>For Colored Vinyl, Add</i>	23.11	
			<i>For Tinted Glass, Add</i>	27.74	
			<i>For Low-E Insulated Glass, Add</i>	57.78	
			<i>For Obscure Glass, Add</i>	63.56	
08 53 13 00-0186	EA		36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	389.67	74.10
			<i>For Colored Vinyl, Add</i>	24.15	
			<i>For Tinted Glass, Add</i>	28.98	
			<i>For Low-E Insulated Glass, Add</i>	60.37	
			<i>For Obscure Glass, Add</i>	66.40	
08 53 13 00-0187	EA		44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	414.23	78.46
			<i>For Colored Vinyl, Add</i>	25.73	
			<i>For Tinted Glass, Add</i>	30.88	
			<i>For Low-E Insulated Glass, Add</i>	64.33	
			<i>For Obscure Glass, Add</i>	70.76	
<b>08 53 13 00-0188</b>			<b>72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0189	EA		24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	365.42	70.83
			<i>For Colored Vinyl, Add</i>	22.38	
			<i>For Tinted Glass, Add</i>	26.85	
			<i>For Low-E Insulated Glass, Add</i>	55.94	
			<i>For Obscure Glass, Add</i>	61.53	
08 53 13 00-0190	EA		28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	376.16	73.02
			<i>For Colored Vinyl, Add</i>	23.01	
			<i>For Tinted Glass, Add</i>	27.62	
			<i>For Low-E Insulated Glass, Add</i>	57.54	
			<i>For Obscure Glass, Add</i>	63.29	
08 53 13 00-0191	EA		30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	383.30	74.10
			<i>For Colored Vinyl, Add</i>	23.51	
			<i>For Tinted Glass, Add</i>	28.21	
			<i>For Low-E Insulated Glass, Add</i>	58.77	
			<i>For Obscure Glass, Add</i>	64.65	
08 53 13 00-0192	EA		32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	388.26	75.19
			<i>For Colored Vinyl, Add</i>	23.79	
			<i>For Tinted Glass, Add</i>	28.55	
			<i>For Low-E Insulated Glass, Add</i>	59.47	
			<i>For Obscure Glass, Add</i>	65.42	
08 53 13 00-0193	EA		36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	402.95	77.38
			<i>For Colored Vinyl, Add</i>	24.82	
			<i>For Tinted Glass, Add</i>	29.79	
			<i>For Low-E Insulated Glass, Add</i>	62.05	
			<i>For Obscure Glass, Add</i>	68.26	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0194 EA 44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	427.52	81.73
For Colored Vinyl, Add	26.41	
For Tinted Glass, Add	31.69	
For Low-E Insulated Glass, Add	66.02	
For Obscure Glass, Add	72.62	
<b>08 53 13 00-0195 Replacement, Double Hung Vinyl Windows (Silver Line 8500) (08 53 13 00-0102)</b>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0196 EA Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	344.43	57.21
For Colored Vinyl, Add	23.00	
For Tinted Glass, Add	27.60	
For Low-E Insulated Glass, Add	57.50	
For Obscure Glass, Add	63.25	
08 53 13 00-0197 EA >73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	379.37	62.66
For Colored Vinyl, Add	25.41	
For Tinted Glass, Add	30.49	
For Low-E Insulated Glass, Add	63.51	
For Obscure Glass, Add	69.86	
08 53 13 00-0198 EA >83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	412.50	68.11
For Colored Vinyl, Add	27.63	
For Tinted Glass, Add	33.15	
For Low-E Insulated Glass, Add	69.07	
For Obscure Glass, Add	75.98	
08 53 13 00-0199 EA >93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	438.08	73.56
For Colored Vinyl, Add	29.10	
For Tinted Glass, Add	34.92	
For Low-E Insulated Glass, Add	72.74	
For Obscure Glass, Add	80.01	
08 53 13 00-0200 EA >101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	464.99	79.01
For Colored Vinyl, Add	30.70	
For Tinted Glass, Add	36.84	
For Low-E Insulated Glass, Add	76.75	
For Obscure Glass, Add	84.42	
08 53 13 00-0201 EA >110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	503.80	84.46
For Colored Vinyl, Add	33.49	
For Tinted Glass, Add	40.19	
For Low-E Insulated Glass, Add	83.72	
For Obscure Glass, Add	92.09	
08 53 13 00-0202 UI >120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	4.21	0.70
For Colored Vinyl, Add	0.28	
For Tinted Glass, Add	0.33	
For Low-E Insulated Glass, Add	0.70	
For Obscure Glass, Add	0.77	
<b>08 53 13 00-0203 Casement Vinyl Windows (08 53 13)</b>		
<b>08 53 13 00-0204 New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0203)</b>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
<b>08 53 13 00-0205 One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)</b>		
<b>08 53 13 00-0206 24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)</b>		
08 53 13 00-0207 EA 17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	255.04	41.41
For Colored Vinyl, Add	17.33	
For Tinted Glass, Add	20.80	
For Low-E Insulated Glass, Add	43.33	
For Obscure Glass, Add	47.66	
08 53 13 00-0208 EA 20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	264.17	42.50
For Colored Vinyl, Add	17.92	
For Tinted Glass, Add	21.50	
For Low-E Insulated Glass, Add	44.79	
For Obscure Glass, Add	49.27	
08 53 13 00-0209 EA 24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	274.38	44.68
For Colored Vinyl, Add	18.50	
For Tinted Glass, Add	22.20	
For Low-E Insulated Glass, Add	46.26	
For Obscure Glass, Add	50.88	
08 53 13 00-0210 EA 28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	291.03	46.86
For Colored Vinyl, Add	19.73	
For Tinted Glass, Add	23.68	
For Low-E Insulated Glass, Add	49.33	
For Obscure Glass, Add	54.26	
<b>08 53 13 00-0211 28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)</b>		





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0212 EA 17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	270.30	43.59
For Colored Vinyl, Add	18.42	
For Tinted Glass, Add	22.11	
For Low-E Insulated Glass, Add	46.05	
For Obscure Glass, Add	50.66	
08 53 13 00-0213 EA 20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	280.08	44.68
For Colored Vinyl, Add	19.07	
For Tinted Glass, Add	22.89	
For Low-E Insulated Glass, Add	47.68	
For Obscure Glass, Add	52.45	
08 53 13 00-0214 EA 24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	290.94	46.86
For Colored Vinyl, Add	19.72	
For Tinted Glass, Add	23.67	
For Low-E Insulated Glass, Add	49.31	
For Obscure Glass, Add	54.24	
08 53 13 00-0215 EA 28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	308.38	49.04
For Colored Vinyl, Add	21.03	
For Tinted Glass, Add	25.24	
For Low-E Insulated Glass, Add	52.58	
For Obscure Glass, Add	57.84	
<b>08 53 13 00-0216 36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)</b>		
08 53 13 00-0217 EA 17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	289.63	46.86
For Colored Vinyl, Add	19.59	
For Tinted Glass, Add	23.51	
For Low-E Insulated Glass, Add	48.98	
For Obscure Glass, Add	53.88	
08 53 13 00-0218 EA 20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	299.73	49.04
For Colored Vinyl, Add	20.28	
For Tinted Glass, Add	24.33	
For Low-E Insulated Glass, Add	50.69	
For Obscure Glass, Add	55.76	
08 53 13 00-0219 EA 24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	310.96	50.68
For Colored Vinyl, Add	20.96	
For Tinted Glass, Add	25.15	
For Low-E Insulated Glass, Add	52.40	
For Obscure Glass, Add	57.64	
08 53 13 00-0220 EA 28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	329.04	52.85
For Colored Vinyl, Add	22.33	
For Tinted Glass, Add	26.80	
For Low-E Insulated Glass, Add	55.83	
For Obscure Glass, Add	61.42	
<b>08 53 13 00-0221 40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)</b>		
08 53 13 00-0222 EA 17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	306.37	50.12
For Colored Vinyl, Add	20.72	
For Tinted Glass, Add	24.86	
For Low-E Insulated Glass, Add	51.80	
For Obscure Glass, Add	56.98	
08 53 13 00-0223 EA 20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	316.94	51.22
For Colored Vinyl, Add	21.45	
For Tinted Glass, Add	25.74	
For Low-E Insulated Glass, Add	53.63	
For Obscure Glass, Add	58.99	
08 53 13 00-0224 EA 24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	328.61	53.40
For Colored Vinyl, Add	22.18	
For Tinted Glass, Add	26.62	
For Low-E Insulated Glass, Add	55.46	
For Obscure Glass, Add	61.00	
08 53 13 00-0225 EA 28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	347.99	55.57
For Colored Vinyl, Add	23.68	
For Tinted Glass, Add	28.42	
For Low-E Insulated Glass, Add	59.21	
For Obscure Glass, Add	65.13	
<b>08 53 13 00-0226 48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)</b>		
08 53 13 00-0227 EA 17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	326.48	54.48
For Colored Vinyl, Add	21.86	
For Tinted Glass, Add	26.23	
For Low-E Insulated Glass, Add	54.65	
For Obscure Glass, Add	60.12	
08 53 13 00-0228 EA 20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	337.45	55.57
For Colored Vinyl, Add	22.63	
For Tinted Glass, Add	27.16	
For Low-E Insulated Glass, Add	56.58	
For Obscure Glass, Add	62.23	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0229	EA		24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	349.55	57.76
			For Colored Vinyl, Add	23.40	
			For Tinted Glass, Add	28.08	
			For Low-E Insulated Glass, Add	58.51	
			For Obscure Glass, Add	64.36	
08 53 13 00-0230	EA		28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	370.62	59.93
			For Colored Vinyl, Add	25.08	
			For Tinted Glass, Add	30.09	
			For Low-E Insulated Glass, Add	62.69	
			For Obscure Glass, Add	68.96	
<b>08 53 13 00-0231</b>			<b>52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)</b>		
08 53 13 00-0232	EA		17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	342.18	56.67
			For Colored Vinyl, Add	22.99	
			For Tinted Glass, Add	27.59	
			For Low-E Insulated Glass, Add	57.49	
			For Obscure Glass, Add	63.23	
08 53 13 00-0233	EA		20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	353.71	57.76
			For Colored Vinyl, Add	23.82	
			For Tinted Glass, Add	28.58	
			For Low-E Insulated Glass, Add	59.55	
			For Obscure Glass, Add	65.50	
08 53 13 00-0234	EA		24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	366.28	59.93
			For Colored Vinyl, Add	24.64	
			For Tinted Glass, Add	29.57	
			For Low-E Insulated Glass, Add	61.60	
			For Obscure Glass, Add	67.76	
08 53 13 00-0235	EA		28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	387.69	62.12
			For Colored Vinyl, Add	26.35	
			For Tinted Glass, Add	31.62	
			For Low-E Insulated Glass, Add	65.87	
			For Obscure Glass, Add	72.45	
<b>08 53 13 00-0236</b>			<b>60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)</b>		
08 53 13 00-0237	EA		17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	361.15	59.93
			For Colored Vinyl, Add	24.13	
			For Tinted Glass, Add	28.95	
			For Low-E Insulated Glass, Add	60.32	
			For Obscure Glass, Add	66.35	
08 53 13 00-0238	EA		20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	373.19	62.12
			For Colored Vinyl, Add	25.01	
			For Tinted Glass, Add	30.01	
			For Low-E Insulated Glass, Add	62.51	
			For Obscure Glass, Add	68.76	
08 53 13 00-0239	EA		24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	386.32	63.75
			For Colored Vinyl, Add	25.88	
			For Tinted Glass, Add	31.06	
			For Low-E Insulated Glass, Add	64.71	
			For Obscure Glass, Add	71.18	
08 53 13 00-0240	EA		28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	408.04	65.93
			For Colored Vinyl, Add	27.62	
			For Tinted Glass, Add	33.14	
			For Low-E Insulated Glass, Add	69.05	
			For Obscure Glass, Add	75.95	
<b>08 53 13 00-0241</b>			<b>64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)</b>		
08 53 13 00-0242	EA		17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	377.68	63.21
			For Colored Vinyl, Add	25.24	
			For Tinted Glass, Add	30.28	
			For Low-E Insulated Glass, Add	63.09	
			For Obscure Glass, Add	69.40	
08 53 13 00-0243	EA		20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	389.98	64.29
			For Colored Vinyl, Add	26.14	
			For Tinted Glass, Add	31.37	
			For Low-E Insulated Glass, Add	65.35	
			For Obscure Glass, Add	71.88	
08 53 13 00-0244	EA		24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	403.83	66.47
			For Colored Vinyl, Add	27.09	
			For Tinted Glass, Add	32.51	
			For Low-E Insulated Glass, Add	67.72	
			For Obscure Glass, Add	74.49	
08 53 13 00-0245	EA		28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	425.10	68.65
			For Colored Vinyl, Add	28.78	
			For Tinted Glass, Add	34.53	
			For Low-E Insulated Glass, Add	71.95	
			For Obscure Glass, Add	79.14	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 53 13 00-0246</b> 72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0247 EA 17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	398.39	66.47
For Colored Vinyl, Add	26.54	
For Tinted Glass, Add	31.85	
For Low-E Insulated Glass, Add	66.36	
For Obscure Glass, Add	73.00	
08 53 13 00-0248 EA 20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	411.26	68.65
For Colored Vinyl, Add	27.50	
For Tinted Glass, Add	33.00	
For Low-E Insulated Glass, Add	68.76	
For Obscure Glass, Add	75.64	
08 53 13 00-0249 EA 24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	424.60	70.29
For Colored Vinyl, Add	28.40	
For Tinted Glass, Add	34.08	
For Low-E Insulated Glass, Add	71.01	
For Obscure Glass, Add	78.11	
08 53 13 00-0250 EA 28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	445.63	72.47
For Colored Vinyl, Add	30.07	
For Tinted Glass, Add	36.08	
For Low-E Insulated Glass, Add	75.18	
For Obscure Glass, Add	82.69	
<b>08 53 13 00-0251</b> Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0204)</small>		
<b>08 53 13 00-0252</b> 36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0253 EA 33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	487.43	55.57
For Colored Vinyl, Add	37.63	
For Tinted Glass, Add	45.15	
For Low-E Insulated Glass, Add	94.07	
For Obscure Glass, Add	103.48	
08 53 13 00-0254 EA 40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	506.87	59.93
For Colored Vinyl, Add	38.81	
For Tinted Glass, Add	46.57	
For Low-E Insulated Glass, Add	97.02	
For Obscure Glass, Add	106.72	
08 53 13 00-0255 EA 48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	527.42	64.29
For Colored Vinyl, Add	39.99	
For Tinted Glass, Add	47.99	
For Low-E Insulated Glass, Add	99.98	
For Obscure Glass, Add	109.98	
08 53 13 00-0256 EA 56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	550.17	68.11
For Colored Vinyl, Add	41.40	
For Tinted Glass, Add	49.67	
For Low-E Insulated Glass, Add	103.49	
For Obscure Glass, Add	113.84	
<b>08 53 13 00-0257</b> 40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0258 EA 33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	515.64	58.30
For Colored Vinyl, Add	39.90	
For Tinted Glass, Add	47.88	
For Low-E Insulated Glass, Add	99.76	
For Obscure Glass, Add	109.74	
08 53 13 00-0259 EA 40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	536.05	62.12
For Colored Vinyl, Add	41.18	
For Tinted Glass, Add	49.42	
For Low-E Insulated Glass, Add	102.96	
For Obscure Glass, Add	113.25	
08 53 13 00-0260 EA 48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	557.58	66.47
For Colored Vinyl, Add	42.46	
For Tinted Glass, Add	50.96	
For Low-E Insulated Glass, Add	106.16	
For Obscure Glass, Add	116.77	
08 53 13 00-0261 EA 56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	579.73	70.83
For Colored Vinyl, Add	43.81	
For Tinted Glass, Add	52.57	
For Low-E Insulated Glass, Add	109.52	
For Obscure Glass, Add	120.47	
<b>08 53 13 00-0262</b> 48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0263 EA 33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	547.57	62.66
For Colored Vinyl, Add	42.23	
For Tinted Glass, Add	50.67	
For Low-E Insulated Glass, Add	105.56	
For Obscure Glass, Add	116.12	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0264 EA 40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	568.68	66.47
For Colored Vinyl, Add	43.57	
For Tinted Glass, Add	52.29	
For Low-E Insulated Glass, Add	108.93	
For Obscure Glass, Add	119.83	
08 53 13 00-0265 EA 48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	590.91	70.83
For Colored Vinyl, Add	44.92	
For Tinted Glass, Add	53.91	
For Low-E Insulated Glass, Add	112.31	
For Obscure Glass, Add	123.54	
08 53 13 00-0266 EA 56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	614.69	75.19
For Colored Vinyl, Add	46.43	
For Tinted Glass, Add	55.72	
For Low-E Insulated Glass, Add	116.08	
For Obscure Glass, Add	127.69	
<b>08 53 13 00-0267 52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)</b>		
08 53 13 00-0268 EA 33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	575.07	64.84
For Colored Vinyl, Add	44.54	
For Tinted Glass, Add	53.45	
For Low-E Insulated Glass, Add	111.35	
For Obscure Glass, Add	122.49	
08 53 13 00-0269 EA 40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	597.13	68.65
For Colored Vinyl, Add	45.98	
For Tinted Glass, Add	55.18	
For Low-E Insulated Glass, Add	114.96	
For Obscure Glass, Add	126.45	
08 53 13 00-0270 EA 48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	620.27	73.02
For Colored Vinyl, Add	47.43	
For Tinted Glass, Add	56.91	
For Low-E Insulated Glass, Add	118.56	
For Obscure Glass, Add	130.42	
08 53 13 00-0271 EA 56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	644.38	77.38
For Colored Vinyl, Add	48.96	
For Tinted Glass, Add	58.76	
For Low-E Insulated Glass, Add	122.41	
For Obscure Glass, Add	134.65	
<b>08 53 13 00-0272 60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)</b>		
08 53 13 00-0273 EA 33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	605.87	68.65
For Colored Vinyl, Add	46.86	
For Tinted Glass, Add	56.23	
For Low-E Insulated Glass, Add	117.14	
For Obscure Glass, Add	128.85	
08 53 13 00-0274 EA 40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	628.85	73.02
For Colored Vinyl, Add	48.39	
For Tinted Glass, Add	58.07	
For Low-E Insulated Glass, Add	120.98	
For Obscure Glass, Add	133.08	
08 53 13 00-0275 EA 48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	652.91	77.38
For Colored Vinyl, Add	49.93	
For Tinted Glass, Add	59.91	
For Low-E Insulated Glass, Add	124.82	
For Obscure Glass, Add	137.30	
08 53 13 00-0276 EA 56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	677.33	81.18
For Colored Vinyl, Add	51.50	
For Tinted Glass, Add	61.80	
For Low-E Insulated Glass, Add	128.74	
For Obscure Glass, Add	141.61	
<b>08 53 13 00-0277 64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)</b>		
08 53 13 00-0278 EA 33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	635.23	71.37
For Colored Vinyl, Add	49.25	
For Tinted Glass, Add	59.10	
For Low-E Insulated Glass, Add	123.12	
For Obscure Glass, Add	135.43	
08 53 13 00-0279 EA 40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	658.21	75.19
For Colored Vinyl, Add	50.78	
For Tinted Glass, Add	60.94	
For Low-E Insulated Glass, Add	126.96	
For Obscure Glass, Add	139.65	
08 53 13 00-0280 EA 48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	682.19	79.55
For Colored Vinyl, Add	52.31	
For Tinted Glass, Add	62.77	
For Low-E Insulated Glass, Add	130.77	
For Obscure Glass, Add	143.85	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0281 EA 56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	706.68	83.91
For Colored Vinyl, Add	53.89	
For Tinted Glass, Add	64.66	
For Low-E Insulated Glass, Add	134.72	
For Obscure Glass, Add	148.19	
<b>08 53 13 00-0282 72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)</b>		
08 53 13 00-0283 EA 33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	668.31	75.19
For Colored Vinyl, Add	51.79	
For Tinted Glass, Add	62.15	
For Low-E Insulated Glass, Add	129.48	
For Obscure Glass, Add	142.43	
08 53 13 00-0284 EA 40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	691.29	79.55
For Colored Vinyl, Add	53.33	
For Tinted Glass, Add	63.99	
For Low-E Insulated Glass, Add	133.32	
For Obscure Glass, Add	146.65	
08 53 13 00-0285 EA 48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	715.37	83.91
For Colored Vinyl, Add	54.86	
For Tinted Glass, Add	65.84	
For Low-E Insulated Glass, Add	137.16	
For Obscure Glass, Add	150.88	
08 53 13 00-0286 EA 56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	739.79	87.72
For Colored Vinyl, Add	56.43	
For Tinted Glass, Add	67.72	
For Low-E Insulated Glass, Add	141.09	
For Obscure Glass, Add	155.19	
<b>08 53 13 00-0287 Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)</b>		
<b>08 53 13 00-0288 36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)</b>		
08 53 13 00-0289 EA 62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	603.73	70.83
For Colored Vinyl, Add	46.21	
For Tinted Glass, Add	55.45	
For Low-E Insulated Glass, Add	115.52	
For Obscure Glass, Add	127.07	
08 53 13 00-0290 EA 72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	634.09	76.28
For Colored Vinyl, Add	48.15	
For Tinted Glass, Add	57.78	
For Low-E Insulated Glass, Add	120.38	
For Obscure Glass, Add	132.42	
08 53 13 00-0291 EA 86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	687.05	84.46
For Colored Vinyl, Add	51.81	
For Tinted Glass, Add	62.18	
For Low-E Insulated Glass, Add	129.54	
For Obscure Glass, Add	142.49	
<b>08 53 13 00-0292 40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)</b>		
08 53 13 00-0293 EA 62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	641.64	74.10
For Colored Vinyl, Add	49.45	
For Tinted Glass, Add	59.34	
For Low-E Insulated Glass, Add	123.63	
For Obscure Glass, Add	135.99	
08 53 13 00-0294 EA 72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	672.19	79.01
For Colored Vinyl, Add	51.42	
For Tinted Glass, Add	61.70	
For Low-E Insulated Glass, Add	128.55	
For Obscure Glass, Add	141.40	
08 53 13 00-0295 EA 86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	727.79	87.18
For Colored Vinyl, Add	55.34	
For Tinted Glass, Add	66.41	
For Low-E Insulated Glass, Add	138.36	
For Obscure Glass, Add	152.19	
<b>08 53 13 00-0296 48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)</b>		
08 53 13 00-0297 EA 62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	679.26	78.46
For Colored Vinyl, Add	52.23	
For Tinted Glass, Add	62.68	
For Low-E Insulated Glass, Add	130.59	
For Obscure Glass, Add	143.64	
08 53 13 00-0298 EA 72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	714.04	83.37
For Colored Vinyl, Add	54.73	
For Tinted Glass, Add	65.68	
For Low-E Insulated Glass, Add	136.83	
For Obscure Glass, Add	150.51	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0299 EA 86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	771.88	91.54
For Colored Vinyl, Add	58.88	
For Tinted Glass, Add	70.66	
For Low-E Insulated Glass, Add	147.20	
For Obscure Glass, Add	161.92	
<b>08 53 13 00-0300 52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)</b>		
08 53 13 00-0301 EA 62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	714.96	80.64
For Colored Vinyl, Add	55.37	
For Tinted Glass, Add	66.44	
For Low-E Insulated Glass, Add	138.42	
For Obscure Glass, Add	152.26	
08 53 13 00-0302 EA 72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	752.19	86.09
For Colored Vinyl, Add	58.00	
For Tinted Glass, Add	69.60	
For Low-E Insulated Glass, Add	145.01	
For Obscure Glass, Add	159.51	
08 53 13 00-0303 EA 86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	816.82	93.72
For Colored Vinyl, Add	62.94	
For Tinted Glass, Add	75.53	
For Low-E Insulated Glass, Add	157.35	
For Obscure Glass, Add	173.08	
<b>08 53 13 00-0304 60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)</b>		
08 53 13 00-0305 EA 62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	753.92	84.46
For Colored Vinyl, Add	58.50	
For Tinted Glass, Add	70.20	
For Low-E Insulated Glass, Add	146.25	
For Obscure Glass, Add	160.88	
08 53 13 00-0306 EA 72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	792.53	89.90
For Colored Vinyl, Add	61.27	
For Tinted Glass, Add	73.53	
For Low-E Insulated Glass, Add	153.18	
For Obscure Glass, Add	168.50	
08 53 13 00-0307 EA 86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	865.05	97.53
For Colored Vinyl, Add	67.00	
For Tinted Glass, Add	80.40	
For Low-E Insulated Glass, Add	167.50	
For Obscure Glass, Add	184.24	
<b>08 53 13 00-0308 64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)</b>		
08 53 13 00-0309 EA 62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	794.77	87.18
For Colored Vinyl, Add	62.04	
For Tinted Glass, Add	74.45	
For Low-E Insulated Glass, Add	155.10	
For Obscure Glass, Add	170.61	
08 53 13 00-0310 EA 72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	833.36	92.62
For Colored Vinyl, Add	64.81	
For Tinted Glass, Add	77.77	
For Low-E Insulated Glass, Add	162.03	
For Obscure Glass, Add	178.23	
08 53 13 00-0311 EA 86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	905.87	100.26
For Colored Vinyl, Add	70.54	
For Tinted Glass, Add	84.64	
For Low-E Insulated Glass, Add	176.34	
For Obscure Glass, Add	193.97	
<b>08 53 13 00-0312 72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)</b>		
08 53 13 00-0313 EA 62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	837.86	90.99
For Colored Vinyl, Add	65.59	
For Tinted Glass, Add	78.71	
For Low-E Insulated Glass, Add	163.97	
For Obscure Glass, Add	180.37	
08 53 13 00-0314 EA 72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	876.45	96.44
For Colored Vinyl, Add	68.36	
For Tinted Glass, Add	82.03	
For Low-E Insulated Glass, Add	170.89	
For Obscure Glass, Add	187.98	
08 53 13 00-0315 EA 86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	948.97	104.07
For Colored Vinyl, Add	74.08	
For Tinted Glass, Add	88.90	
For Low-E Insulated Glass, Add	185.21	
For Obscure Glass, Add	203.73	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 53 13 00-0316	<b>Replacement, Casement Vinyl Windows (Silver Line 7500)</b> <small>(08 53 13 00-0203)</small>	
	Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).	
08 53 13 00-0317	<b>One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500)</b> <small>(08 53 13 00-0316)</small>	
08 53 13 00-0318	EA Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	321.64
	For Colored Vinyl, Add	22.90
	For Tinted Glass, Add	27.48
	For Low-E Insulated Glass, Add	57.26
	For Obscure Glass, Add	62.98
08 53 13 00-0319	EA >53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500) .....	364.41
	For Colored Vinyl, Add	26.09
	For Tinted Glass, Add	31.31
	For Low-E Insulated Glass, Add	65.22
	For Obscure Glass, Add	71.74
08 53 13 00-0320	EA >63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500) .....	403.58
	For Colored Vinyl, Add	28.92
	For Tinted Glass, Add	34.70
	For Low-E Insulated Glass, Add	72.29
	For Obscure Glass, Add	79.52
08 53 13 00-0321	EA >73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500) .....	439.14
	For Colored Vinyl, Add	31.38
	For Tinted Glass, Add	37.66
	For Low-E Insulated Glass, Add	78.46
	For Obscure Glass, Add	86.30
08 53 13 00-0322	EA >83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500) .....	471.11
	For Colored Vinyl, Add	33.49
	For Tinted Glass, Add	40.19
	For Low-E Insulated Glass, Add	83.72
	For Obscure Glass, Add	92.09
08 53 13 00-0323	EA >93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500) .....	492.63
	For Colored Vinyl, Add	34.55
	For Tinted Glass, Add	41.46
	For Low-E Insulated Glass, Add	86.38
	For Obscure Glass, Add	95.02
08 53 13 00-0324	UI >101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500) .....	4.84
	For Colored Vinyl, Add	0.34
	For Tinted Glass, Add	0.41
	For Low-E Insulated Glass, Add	0.86
	For Obscure Glass, Add	0.94
08 53 13 00-0325	<b>Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500)</b> <small>(08 53 13 00-0316)</small>	
08 53 13 00-0326	EA Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	515.30
	For Colored Vinyl, Add	40.09
	For Tinted Glass, Add	48.11
	For Low-E Insulated Glass, Add	100.22
	For Obscure Glass, Add	110.24
08 53 13 00-0327	EA >73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	566.17
	For Colored Vinyl, Add	44.09
	For Tinted Glass, Add	52.90
	For Low-E Insulated Glass, Add	110.21
	For Obscure Glass, Add	121.23
08 53 13 00-0328	EA >83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	613.44
	For Colored Vinyl, Add	47.72
	For Tinted Glass, Add	57.27
	For Low-E Insulated Glass, Add	119.31
	For Obscure Glass, Add	131.24
08 53 13 00-0329	EA >93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	647.20
	For Colored Vinyl, Add	50.01
	For Tinted Glass, Add	60.01
	For Low-E Insulated Glass, Add	125.02
	For Obscure Glass, Add	137.52
08 53 13 00-0330	EA >101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	682.85
	For Colored Vinyl, Add	52.48
	For Tinted Glass, Add	62.98
	For Low-E Insulated Glass, Add	131.21
	For Obscure Glass, Add	144.33
08 53 13 00-0331	EA >110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	719.86
	For Colored Vinyl, Add	55.10
	For Tinted Glass, Add	66.11
	For Low-E Insulated Glass, Add	137.74
	For Obscure Glass, Add	151.51
08 53 13 00-0332	UI >120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	6.01
	For Colored Vinyl, Add	0.46
	For Tinted Glass, Add	0.55
	For Low-E Insulated Glass, Add	1.15
	For Obscure Glass, Add	1.26
08 53 13 00-0333	<b>Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500)</b> <small>(08 53 13 00-0316)</small>	

**08 Openings**

08 50 Windows

08 53 Plastic Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0334 EA Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	535.01	57.21
For Colored Vinyl, Add	42.06	
For Tinted Glass, Add	50.47	
For Low-E Insulated Glass, Add	105.15	
For Obscure Glass, Add	115.66	
08 53 13 00-0335 EA >73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	588.04	62.66
For Colored Vinyl, Add	46.27	
For Tinted Glass, Add	55.53	
For Low-E Insulated Glass, Add	115.68	
For Obscure Glass, Add	127.25	
08 53 13 00-0336 EA >83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	638.55	68.11
For Colored Vinyl, Add	50.23	
For Tinted Glass, Add	60.28	
For Low-E Insulated Glass, Add	125.58	
For Obscure Glass, Add	138.14	
08 53 13 00-0337 EA >93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	674.48	73.56
For Colored Vinyl, Add	52.74	
For Tinted Glass, Add	63.28	
For Low-E Insulated Glass, Add	131.84	
For Obscure Glass, Add	145.02	
08 53 13 00-0338 EA >101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	712.56	79.01
For Colored Vinyl, Add	55.46	
For Tinted Glass, Add	66.55	
For Low-E Insulated Glass, Add	138.64	
For Obscure Glass, Add	152.50	
08 53 13 00-0339 EA >110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	752.27	84.46
For Colored Vinyl, Add	58.34	
For Tinted Glass, Add	70.00	
For Low-E Insulated Glass, Add	145.84	
For Obscure Glass, Add	160.42	
08 53 13 00-0340 UI >120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	6.28	0.70
For Colored Vinyl, Add	0.49	
For Tinted Glass, Add	0.58	
For Low-E Insulated Glass, Add	1.22	
For Obscure Glass, Add	1.34	
<b>08 53 13 00-0341 Awning Vinyl Windows</b> <small>(08 53 13)</small>		
<b>08 53 13 00-0342 New Construction, Awning Vinyl Windows (Silver Line 7450)</b> <small>(08 53 13 00-0341)</small>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
<b>08 53 13 00-0343 Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> <small>(08 53 13 00-0342)</small>		
<b>08 53 13 00-0344 17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> <small>(08 53 13 00-0343)</small>		
08 53 13 00-0345 EA 24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	321.93	44.68
For Colored Vinyl, Add	23.26	
For Tinted Glass, Add	27.91	
For Low-E Insulated Glass, Add	58.14	
For Obscure Glass, Add	63.96	
08 53 13 00-0346 EA 28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	337.09	46.86
For Colored Vinyl, Add	24.34	
For Tinted Glass, Add	29.20	
For Low-E Insulated Glass, Add	60.84	
For Obscure Glass, Add	66.93	
08 53 13 00-0347 EA 36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	360.93	50.68
For Colored Vinyl, Add	25.96	
For Tinted Glass, Add	31.15	
For Low-E Insulated Glass, Add	64.90	
For Obscure Glass, Add	71.38	
08 53 13 00-0348 EA 40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	376.56	53.40
For Colored Vinyl, Add	26.98	
For Tinted Glass, Add	32.37	
For Low-E Insulated Glass, Add	67.44	
For Obscure Glass, Add	74.19	
08 53 13 00-0349 EA 48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	402.10	57.76
For Colored Vinyl, Add	28.66	
For Tinted Glass, Add	34.39	
For Low-E Insulated Glass, Add	71.65	
For Obscure Glass, Add	78.81	
<b>08 53 13 00-0350 20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> <small>(08 53 13 00-0343)</small>		
08 53 13 00-0351 EA 24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	338.69	46.86
For Colored Vinyl, Add	24.61	
For Tinted Glass, Add	29.53	
For Low-E Insulated Glass, Add	61.52	
For Obscure Glass, Add	67.67	





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0352 EA 28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	353.85	49.04
For Colored Vinyl, Add	25.69	
For Tinted Glass, Add	30.82	
For Low-E Insulated Glass, Add	64.22	
For Obscure Glass, Add	70.64	
08 53 13 00-0353 EA 36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	379.19	52.31
For Colored Vinyl, Add	27.46	
For Tinted Glass, Add	32.95	
For Low-E Insulated Glass, Add	68.64	
For Obscure Glass, Add	75.51	
08 53 13 00-0354 EA 40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	394.85	55.57
For Colored Vinyl, Add	28.48	
For Tinted Glass, Add	34.17	
For Low-E Insulated Glass, Add	71.20	
For Obscure Glass, Add	78.31	
08 53 13 00-0355 EA 48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	421.85	59.39
For Colored Vinyl, Add	30.31	
For Tinted Glass, Add	36.37	
For Low-E Insulated Glass, Add	75.77	
For Obscure Glass, Add	83.34	
<b>08 53 13 00-0356 24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> <small>(08 53 13 00-0343)</small>		
08 53 13 00-0357 EA 24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	350.54	49.04
For Colored Vinyl, Add	25.36	
For Tinted Glass, Add	30.43	
For Low-E Insulated Glass, Add	63.39	
For Obscure Glass, Add	69.73	
08 53 13 00-0358 EA 28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	365.71	51.22
For Colored Vinyl, Add	26.44	
For Tinted Glass, Add	31.72	
For Low-E Insulated Glass, Add	66.09	
For Obscure Glass, Add	72.70	
08 53 13 00-0359 EA 36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	391.79	54.48
For Colored Vinyl, Add	28.28	
For Tinted Glass, Add	33.94	
For Low-E Insulated Glass, Add	70.71	
For Obscure Glass, Add	77.78	
08 53 13 00-0360 EA 40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	408.65	57.76
For Colored Vinyl, Add	29.42	
For Tinted Glass, Add	35.31	
For Low-E Insulated Glass, Add	73.56	
For Obscure Glass, Add	80.91	
08 53 13 00-0361 EA 48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	435.97	61.57
For Colored Vinyl, Add	31.28	
For Tinted Glass, Add	37.54	
For Low-E Insulated Glass, Add	78.21	
For Obscure Glass, Add	86.03	
<b>08 53 13 00-0362 28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> <small>(08 53 13 00-0343)</small>		
08 53 13 00-0363 EA 24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	362.42	51.22
For Colored Vinyl, Add	26.11	
For Tinted Glass, Add	31.33	
For Low-E Insulated Glass, Add	65.27	
For Obscure Glass, Add	71.79	
08 53 13 00-0364 EA 28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	377.58	53.40
For Colored Vinyl, Add	27.19	
For Tinted Glass, Add	32.62	
For Low-E Insulated Glass, Add	67.97	
For Obscure Glass, Add	74.76	
08 53 13 00-0365 EA 36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	404.41	56.67
For Colored Vinyl, Add	29.11	
For Tinted Glass, Add	34.93	
For Low-E Insulated Glass, Add	72.77	
For Obscure Glass, Add	80.05	
08 53 13 00-0366 EA 40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	422.39	59.93
For Colored Vinyl, Add	30.36	
For Tinted Glass, Add	36.43	
For Low-E Insulated Glass, Add	75.90	
For Obscure Glass, Add	83.49	
08 53 13 00-0367 EA 48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	450.09	63.75
For Colored Vinyl, Add	32.26	
For Tinted Glass, Add	38.71	
For Low-E Insulated Glass, Add	80.65	
For Obscure Glass, Add	88.71	
<b>08 53 13 00-0368 36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> <small>(08 53 13 00-0343)</small>		

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0369	EA		36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	428.54	60.48
			<i>For Colored Vinyl, Add</i>	30.76	
			<i>For Tinted Glass, Add</i>	36.91	
			<i>For Low-E Insulated Glass, Add</i>	76.90	
			<i>For Obscure Glass, Add</i>	84.58	
08 53 13 00-0370	EA		40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	446.54	63.21
			<i>For Colored Vinyl, Add</i>	32.01	
			<i>For Tinted Glass, Add</i>	38.42	
			<i>For Low-E Insulated Glass, Add</i>	80.03	
			<i>For Obscure Glass, Add</i>	88.04	
08 53 13 00-0371	EA		48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	475.72	67.57
			<i>For Colored Vinyl, Add</i>	34.06	
			<i>For Tinted Glass, Add</i>	40.87	
			<i>For Low-E Insulated Glass, Add</i>	85.15	
			<i>For Obscure Glass, Add</i>	93.67	
<b>08 53 13 00-0372</b>			<b>Replacement, Awning Vinyl Windows (Silver Line 7400)</b> <small>(08 53 13 00-0341)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0373	EA		Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	335.95	46.32
			<i>For Colored Vinyl, Add</i>	24.33	
			<i>For Tinted Glass, Add</i>	29.20	
			<i>For Low-E Insulated Glass, Add</i>	60.83	
			<i>For Obscure Glass, Add</i>	66.92	
08 53 13 00-0374	EA		>53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	387.10	51.77
			<i>For Colored Vinyl, Add</i>	28.36	
			<i>For Tinted Glass, Add</i>	34.03	
			<i>For Low-E Insulated Glass, Add</i>	70.90	
			<i>For Obscure Glass, Add</i>	77.98	
08 53 13 00-0375	EA		>63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	436.44	57.21
			<i>For Colored Vinyl, Add</i>	32.20	
			<i>For Tinted Glass, Add</i>	38.64	
			<i>For Low-E Insulated Glass, Add</i>	80.51	
			<i>For Obscure Glass, Add</i>	88.56	
08 53 13 00-0376	EA		>73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	483.98	62.66
			<i>For Colored Vinyl, Add</i>	35.87	
			<i>For Tinted Glass, Add</i>	43.04	
			<i>For Low-E Insulated Glass, Add</i>	89.67	
			<i>For Obscure Glass, Add</i>	98.63	
08 53 13 00-0377	EA		>83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	529.71	68.11
			<i>For Colored Vinyl, Add</i>	39.35	
			<i>For Tinted Glass, Add</i>	47.22	
			<i>For Low-E Insulated Glass, Add</i>	98.37	
			<i>For Obscure Glass, Add</i>	108.21	
08 53 13 00-0378	EA		>93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	556.28	73.56
			<i>For Colored Vinyl, Add</i>	40.92	
			<i>For Tinted Glass, Add</i>	49.10	
			<i>For Low-E Insulated Glass, Add</i>	102.29	
			<i>For Obscure Glass, Add</i>	112.52	
08 53 13 00-0379	UI		>101" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	5.47	0.70
			<i>For Colored Vinyl, Add</i>	0.41	
			<i>For Tinted Glass, Add</i>	0.49	
			<i>For Low-E Insulated Glass, Add</i>	1.01	
			<i>For Obscure Glass, Add</i>	1.11	
<b>08 53 13 00-0380</b>			<b>Horizontal Sliding Vinyl Windows</b> <small>(08 53 13)</small>		
<b>08 53 13 00-0381</b>			<b>New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0380)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
<b>08 53 13 00-0382</b>			<b>20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0383	EA		36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	214.41	53.40
			<i>For Colored Vinyl, Add</i>	10.87	
			<i>For Tinted Glass, Add</i>	13.04	
			<i>For Low-E Insulated Glass, Add</i>	27.18	
			<i>For Obscure Glass, Add</i>	29.89	
08 53 13 00-0384	EA		48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	238.13	59.93
			<i>For Colored Vinyl, Add</i>	11.94	
			<i>For Tinted Glass, Add</i>	14.32	
			<i>For Low-E Insulated Glass, Add</i>	29.84	
			<i>For Obscure Glass, Add</i>	32.82	
08 53 13 00-0385	EA		54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	250.00	62.66
			<i>For Colored Vinyl, Add</i>	12.47	
			<i>For Tinted Glass, Add</i>	14.96	
			<i>For Low-E Insulated Glass, Add</i>	31.17	
			<i>For Obscure Glass, Add</i>	34.29	
08 53 13 00-0386	EA		60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	261.87	65.93
			<i>For Colored Vinyl, Add</i>	13.00	
			<i>For Tinted Glass, Add</i>	15.60	
			<i>For Low-E Insulated Glass, Add</i>	32.50	
			<i>For Obscure Glass, Add</i>	35.75	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0387 EA 64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	269.78	68.65
For Colored Vinyl, Add	13.36	
For Tinted Glass, Add	16.03	
For Low-E Insulated Glass, Add	33.39	
For Obscure Glass, Add	36.73	
08 53 13 00-0388 EA 72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	285.60	72.47
For Colored Vinyl, Add	14.07	
For Tinted Glass, Add	16.88	
For Low-E Insulated Glass, Add	35.17	
For Obscure Glass, Add	38.68	
<b>08 53 13 00-0389 24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0390 EA 36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	224.76	55.57
For Colored Vinyl, Add	11.47	
For Tinted Glass, Add	13.76	
For Low-E Insulated Glass, Add	28.67	
For Obscure Glass, Add	31.54	
08 53 13 00-0391 EA 48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	248.98	62.12
For Colored Vinyl, Add	12.58	
For Tinted Glass, Add	15.10	
For Low-E Insulated Glass, Add	31.46	
For Obscure Glass, Add	34.61	
08 53 13 00-0392 EA 54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	261.14	64.84
For Colored Vinyl, Add	13.15	
For Tinted Glass, Add	15.78	
For Low-E Insulated Glass, Add	32.87	
For Obscure Glass, Add	36.15	
08 53 13 00-0393 EA 60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	273.22	68.11
For Colored Vinyl, Add	13.70	
For Tinted Glass, Add	16.44	
For Low-E Insulated Glass, Add	34.25	
For Obscure Glass, Add	37.68	
08 53 13 00-0394 EA 64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	281.28	70.83
For Colored Vinyl, Add	14.07	
For Tinted Glass, Add	16.89	
For Low-E Insulated Glass, Add	35.18	
For Obscure Glass, Add	38.70	
08 53 13 00-0395 EA 72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	297.43	74.65
For Colored Vinyl, Add	14.81	
For Tinted Glass, Add	17.78	
For Low-E Insulated Glass, Add	37.04	
For Obscure Glass, Add	40.74	
<b>08 53 13 00-0396 36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0397 EA 36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	255.98	62.12
For Colored Vinyl, Add	13.28	
For Tinted Glass, Add	15.94	
For Low-E Insulated Glass, Add	33.21	
For Obscure Glass, Add	36.53	
08 53 13 00-0398 EA 48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	281.77	68.65
For Colored Vinyl, Add	14.56	
For Tinted Glass, Add	17.47	
For Low-E Insulated Glass, Add	36.39	
For Obscure Glass, Add	40.03	
08 53 13 00-0399 EA 54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	294.68	71.37
For Colored Vinyl, Add	15.19	
For Tinted Glass, Add	18.23	
For Low-E Insulated Glass, Add	37.98	
For Obscure Glass, Add	41.78	
08 53 13 00-0400 EA 60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	307.57	74.65
For Colored Vinyl, Add	15.83	
For Tinted Glass, Add	18.99	
For Low-E Insulated Glass, Add	39.57	
For Obscure Glass, Add	43.53	
08 53 13 00-0401 EA 64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	316.18	76.28
For Colored Vinyl, Add	16.25	
For Tinted Glass, Add	19.50	
For Low-E Insulated Glass, Add	40.63	
For Obscure Glass, Add	44.70	
08 53 13 00-0402 EA 72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	333.38	81.18
For Colored Vinyl, Add	17.10	
For Tinted Glass, Add	20.52	
For Low-E Insulated Glass, Add	42.75	
For Obscure Glass, Add	47.03	
<b>08 53 13 00-0403 42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0404	EA		36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	271.58	65.38
			<i>For Colored Vinyl, Add</i>	14.19	
			<i>For Tinted Glass, Add</i>	17.03	
			<i>For Low-E Insulated Glass, Add</i>	35.48	
			<i>For Obscure Glass, Add</i>	39.03	
08 53 13 00-0405	EA		48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	298.18	71.92
			<i>For Colored Vinyl, Add</i>	15.54	
			<i>For Tinted Glass, Add</i>	18.65	
			<i>For Low-E Insulated Glass, Add</i>	38.86	
			<i>For Obscure Glass, Add</i>	42.74	
08 53 13 00-0406	EA		54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	311.48	74.65
			<i>For Colored Vinyl, Add</i>	16.22	
			<i>For Tinted Glass, Add</i>	19.46	
			<i>For Low-E Insulated Glass, Add</i>	40.55	
			<i>For Obscure Glass, Add</i>	44.60	
08 53 13 00-0407	EA		60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	324.77	77.92
			<i>For Colored Vinyl, Add</i>	16.89	
			<i>For Tinted Glass, Add</i>	20.27	
			<i>For Low-E Insulated Glass, Add</i>	42.24	
			<i>For Obscure Glass, Add</i>	46.46	
08 53 13 00-0408	EA		64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	333.61	80.64
			<i>For Colored Vinyl, Add</i>	17.34	
			<i>For Tinted Glass, Add</i>	20.81	
			<i>For Low-E Insulated Glass, Add</i>	43.36	
			<i>For Obscure Glass, Add</i>	47.69	
08 53 13 00-0409	EA		72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	351.35	84.46
			<i>For Colored Vinyl, Add</i>	18.24	
			<i>For Tinted Glass, Add</i>	21.89	
			<i>For Low-E Insulated Glass, Add</i>	45.61	
			<i>For Obscure Glass, Add</i>	50.17	
<b>08 53 13 00-0410</b>			<b>44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0411	EA		36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	276.80	66.47
			<i>For Colored Vinyl, Add</i>	14.49	
			<i>For Tinted Glass, Add</i>	17.39	
			<i>For Low-E Insulated Glass, Add</i>	36.24	
			<i>For Obscure Glass, Add</i>	39.86	
08 53 13 00-0412	EA		48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	303.64	73.02
			<i>For Colored Vinyl, Add</i>	15.87	
			<i>For Tinted Glass, Add</i>	19.05	
			<i>For Low-E Insulated Glass, Add</i>	39.68	
			<i>For Obscure Glass, Add</i>	43.65	
08 53 13 00-0413	EA		54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	317.06	75.73
			<i>For Colored Vinyl, Add</i>	16.56	
			<i>For Tinted Glass, Add</i>	19.87	
			<i>For Low-E Insulated Glass, Add</i>	41.40	
			<i>For Obscure Glass, Add</i>	45.54	
08 53 13 00-0414	EA		60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	330.50	79.01
			<i>For Colored Vinyl, Add</i>	17.25	
			<i>For Tinted Glass, Add</i>	20.70	
			<i>For Low-E Insulated Glass, Add</i>	43.12	
			<i>For Obscure Glass, Add</i>	47.43	
08 53 13 00-0415	EA		64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	339.45	81.73
			<i>For Colored Vinyl, Add</i>	17.71	
			<i>For Tinted Glass, Add</i>	21.25	
			<i>For Low-E Insulated Glass, Add</i>	44.27	
			<i>For Obscure Glass, Add</i>	48.70	
08 53 13 00-0416	EA		72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	357.33	85.54
			<i>For Colored Vinyl, Add</i>	18.62	
			<i>For Tinted Glass, Add</i>	22.35	
			<i>For Low-E Insulated Glass, Add</i>	46.56	
			<i>For Obscure Glass, Add</i>	51.22	
<b>08 53 13 00-0417</b>			<b>46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0418	EA		36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	282.00	67.57
			<i>For Colored Vinyl, Add</i>	14.80	
			<i>For Tinted Glass, Add</i>	17.76	
			<i>For Low-E Insulated Glass, Add</i>	36.99	
			<i>For Obscure Glass, Add</i>	40.69	
08 53 13 00-0419	EA		48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	309.11	74.10
			<i>For Colored Vinyl, Add</i>	16.20	
			<i>For Tinted Glass, Add</i>	19.44	
			<i>For Low-E Insulated Glass, Add</i>	40.50	
			<i>For Obscure Glass, Add</i>	44.55	
08 53 13 00-0420	EA		54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	322.66	76.82
			<i>For Colored Vinyl, Add</i>	16.90	
			<i>For Tinted Glass, Add</i>	20.28	
			<i>For Low-E Insulated Glass, Add</i>	42.25	
			<i>For Obscure Glass, Add</i>	46.48	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0421	EA		60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	336.20	80.10
			<i>For Colored Vinyl, Add</i>	17.60	
			<i>For Tinted Glass, Add</i>	21.12	
			<i>For Low-E Insulated Glass, Add</i>	44.00	
			<i>For Obscure Glass, Add</i>	48.40	
08 53 13 00-0422	EA		64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	345.25	82.82
			<i>For Colored Vinyl, Add</i>	18.07	
			<i>For Tinted Glass, Add</i>	21.68	
			<i>For Low-E Insulated Glass, Add</i>	45.18	
			<i>For Obscure Glass, Add</i>	49.69	
08 53 13 00-0423	EA		72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	363.32	86.63
			<i>For Colored Vinyl, Add</i>	19.01	
			<i>For Tinted Glass, Add</i>	22.81	
			<i>For Low-E Insulated Glass, Add</i>	47.52	
			<i>For Obscure Glass, Add</i>	52.27	
<b>08 53 13 00-0424</b>			<b>48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0425	EA		36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	287.21	68.65
			<i>For Colored Vinyl, Add</i>	15.10	
			<i>For Tinted Glass, Add</i>	18.12	
			<i>For Low-E Insulated Glass, Add</i>	37.75	
			<i>For Obscure Glass, Add</i>	41.52	
08 53 13 00-0426	EA		48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	314.57	75.19
			<i>For Colored Vinyl, Add</i>	16.53	
			<i>For Tinted Glass, Add</i>	19.83	
			<i>For Low-E Insulated Glass, Add</i>	41.32	
			<i>For Obscure Glass, Add</i>	45.45	
08 53 13 00-0427	EA		54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	328.26	77.92
			<i>For Colored Vinyl, Add</i>	17.24	
			<i>For Tinted Glass, Add</i>	20.69	
			<i>For Low-E Insulated Glass, Add</i>	43.11	
			<i>For Obscure Glass, Add</i>	47.42	
08 53 13 00-0428	EA		60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	341.93	81.18
			<i>For Colored Vinyl, Add</i>	17.96	
			<i>For Tinted Glass, Add</i>	21.55	
			<i>For Low-E Insulated Glass, Add</i>	44.89	
			<i>For Obscure Glass, Add</i>	49.38	
08 53 13 00-0429	EA		64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	351.06	83.91
			<i>For Colored Vinyl, Add</i>	18.43	
			<i>For Tinted Glass, Add</i>	22.12	
			<i>For Low-E Insulated Glass, Add</i>	46.08	
			<i>For Obscure Glass, Add</i>	50.69	
08 53 13 00-0430	EA		72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	369.33	87.72
			<i>For Colored Vinyl, Add</i>	19.39	
			<i>For Tinted Glass, Add</i>	23.27	
			<i>For Low-E Insulated Glass, Add</i>	48.47	
			<i>For Obscure Glass, Add</i>	53.32	
<b>08 53 13 00-0431</b>			<b>50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0432	EA		36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	292.41	69.74
			<i>For Colored Vinyl, Add</i>	15.40	
			<i>For Tinted Glass, Add</i>	18.48	
			<i>For Low-E Insulated Glass, Add</i>	38.50	
			<i>For Obscure Glass, Add</i>	42.35	
08 53 13 00-0433	EA		48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	320.03	76.28
			<i>For Colored Vinyl, Add</i>	16.86	
			<i>For Tinted Glass, Add</i>	20.23	
			<i>For Low-E Insulated Glass, Add</i>	42.14	
			<i>For Obscure Glass, Add</i>	46.35	
08 53 13 00-0434	EA		54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	333.84	79.01
			<i>For Colored Vinyl, Add</i>	17.58	
			<i>For Tinted Glass, Add</i>	21.10	
			<i>For Low-E Insulated Glass, Add</i>	43.96	
			<i>For Obscure Glass, Add</i>	48.35	
08 53 13 00-0435	EA		60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	347.66	82.27
			<i>For Colored Vinyl, Add</i>	18.31	
			<i>For Tinted Glass, Add</i>	21.97	
			<i>For Low-E Insulated Glass, Add</i>	45.78	
			<i>For Obscure Glass, Add</i>	50.36	
08 53 13 00-0436	EA		64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	356.88	85.00
			<i>For Colored Vinyl, Add</i>	18.80	
			<i>For Tinted Glass, Add</i>	22.56	
			<i>For Low-E Insulated Glass, Add</i>	46.99	
			<i>For Obscure Glass, Add</i>	51.69	
08 53 13 00-0437	EA		72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	375.29	88.82
			<i>For Colored Vinyl, Add</i>	19.77	
			<i>For Tinted Glass, Add</i>	23.72	
			<i>For Low-E Insulated Glass, Add</i>	49.42	
			<i>For Obscure Glass, Add</i>	54.36	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 53 13 00-0438 52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0439 EA 36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	297.61	70.83
For Colored Vinyl, Add	15.70	
For Tinted Glass, Add	18.84	
For Low-E Insulated Glass, Add	39.26	
For Obscure Glass, Add	43.19	
08 53 13 00-0440 EA 48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	325.51	77.38
For Colored Vinyl, Add	17.19	
For Tinted Glass, Add	20.62	
For Low-E Insulated Glass, Add	42.97	
For Obscure Glass, Add	47.26	
08 53 13 00-0441 EA 54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	339.45	80.10
For Colored Vinyl, Add	17.93	
For Tinted Glass, Add	21.51	
For Low-E Insulated Glass, Add	44.82	
For Obscure Glass, Add	49.30	
08 53 13 00-0442 EA 60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	353.40	83.37
For Colored Vinyl, Add	18.67	
For Tinted Glass, Add	22.40	
For Low-E Insulated Glass, Add	46.67	
For Obscure Glass, Add	51.33	
08 53 13 00-0443 EA 64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	362.70	86.09
For Colored Vinyl, Add	19.16	
For Tinted Glass, Add	22.99	
For Low-E Insulated Glass, Add	47.90	
For Obscure Glass, Add	52.69	
08 53 13 00-0444 EA 72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	381.30	89.90
For Colored Vinyl, Add	20.15	
For Tinted Glass, Add	24.18	
For Low-E Insulated Glass, Add	50.37	
For Obscure Glass, Add	55.41	
<b>08 53 13 00-0445 54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0446 EA 36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	302.82	71.92
For Colored Vinyl, Add	16.01	
For Tinted Glass, Add	19.21	
For Low-E Insulated Glass, Add	40.02	
For Obscure Glass, Add	44.02	
08 53 13 00-0447 EA 48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	330.96	78.46
For Colored Vinyl, Add	17.51	
For Tinted Glass, Add	21.02	
For Low-E Insulated Glass, Add	43.78	
For Obscure Glass, Add	48.16	
08 53 13 00-0448 EA 54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	345.05	81.18
For Colored Vinyl, Add	18.27	
For Tinted Glass, Add	21.92	
For Low-E Insulated Glass, Add	45.67	
For Obscure Glass, Add	50.24	
08 53 13 00-0449 EA 60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	359.13	84.46
For Colored Vinyl, Add	19.02	
For Tinted Glass, Add	22.83	
For Low-E Insulated Glass, Add	47.56	
For Obscure Glass, Add	52.31	
08 53 13 00-0450 EA 64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	368.50	87.18
For Colored Vinyl, Add	19.52	
For Tinted Glass, Add	23.43	
For Low-E Insulated Glass, Add	48.81	
For Obscure Glass, Add	53.69	
08 53 13 00-0451 EA 72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	387.27	90.99
For Colored Vinyl, Add	20.53	
For Tinted Glass, Add	24.63	
For Low-E Insulated Glass, Add	51.32	
For Obscure Glass, Add	56.45	
<b>08 53 13 00-0452 60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0453 EA 36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	326.40	75.19
For Colored Vinyl, Add	17.71	
For Tinted Glass, Add	21.25	
For Low-E Insulated Glass, Add	44.28	
For Obscure Glass, Add	48.71	
08 53 13 00-0454 EA 48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	347.37	81.73
For Colored Vinyl, Add	18.50	
For Tinted Glass, Add	22.20	
For Low-E Insulated Glass, Add	46.25	
For Obscure Glass, Add	50.88	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Windows</b>	<b>08 50</b>	
<b>Plastic Windows</b>	<b>08 53</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0455 EA 54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	361.85	84.46
For Colored Vinyl, Add	19.29	
For Tinted Glass, Add	23.15	
For Low-E Insulated Glass, Add	48.24	
For Obscure Glass, Add	53.06	
08 53 13 00-0456 EA 60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	376.31	87.72
For Colored Vinyl, Add	20.09	
For Tinted Glass, Add	24.10	
For Low-E Insulated Glass, Add	50.22	
For Obscure Glass, Add	55.24	
08 53 13 00-0457 EA 64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	385.97	90.45
For Colored Vinyl, Add	20.62	
For Tinted Glass, Add	24.74	
For Low-E Insulated Glass, Add	51.54	
For Obscure Glass, Add	56.69	
08 53 13 00-0458 EA 72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	405.24	94.26
For Colored Vinyl, Add	21.67	
For Tinted Glass, Add	26.01	
For Low-E Insulated Glass, Add	54.18	
For Obscure Glass, Add	59.60	
<b>08 53 13 00-0459 Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) (08 53 13 00-0380)</b>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0460 EA Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	318.14	57.21
For Colored Vinyl, Add	20.37	
For Tinted Glass, Add	24.45	
For Low-E Insulated Glass, Add	50.93	
For Obscure Glass, Add	56.02	
08 53 13 00-0461 EA >73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	349.48	62.66
For Colored Vinyl, Add	22.42	
For Tinted Glass, Add	26.90	
For Low-E Insulated Glass, Add	56.04	
For Obscure Glass, Add	61.64	
08 53 13 00-0462 EA >83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	379.01	68.11
For Colored Vinyl, Add	24.28	
For Tinted Glass, Add	29.13	
For Low-E Insulated Glass, Add	60.70	
For Obscure Glass, Add	66.77	
08 53 13 00-0463 EA >93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	401.71	73.56
For Colored Vinyl, Add	25.46	
For Tinted Glass, Add	30.55	
For Low-E Insulated Glass, Add	63.65	
For Obscure Glass, Add	70.01	
08 53 13 00-0464 EA >101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	425.38	79.01
For Colored Vinyl, Add	26.74	
For Tinted Glass, Add	32.08	
For Low-E Insulated Glass, Add	66.84	
For Obscure Glass, Add	73.53	
08 53 13 00-0465 EA >110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	460.59	84.46
For Colored Vinyl, Add	29.17	
For Tinted Glass, Add	35.00	
For Low-E Insulated Glass, Add	72.92	
For Obscure Glass, Add	80.21	
08 53 13 00-0466 UI >120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	3.85	0.70
For Colored Vinyl, Add	0.24	
For Tinted Glass, Add	0.29	
For Low-E Insulated Glass, Add	0.61	
For Obscure Glass, Add	0.67	
<b>08 53 13 00-0467 Basement Vinyl Windows (08 53 13)</b>		
<b>08 53 13 00-0468 New Construction, Basement Vinyl Windows (Silver Line 5900) (08 53 13 00-0467)</b>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0469 EA 32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900).....	195.21	43.59
For Colored Vinyl, Add	10.80	
For Tinted Glass, Add	12.96	
For Low-E Insulated Glass, Add	27.01	
For Obscure Glass, Add	29.71	
08 53 13 00-0470 EA 32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900).....	207.81	43.59
For Colored Vinyl, Add	12.06	
For Tinted Glass, Add	14.48	
For Low-E Insulated Glass, Add	30.16	
For Obscure Glass, Add	33.17	
08 53 13 00-0471 EA 32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900).....	215.01	43.59
For Colored Vinyl, Add	12.78	
For Tinted Glass, Add	15.34	
For Low-E Insulated Glass, Add	31.96	
For Obscure Glass, Add	35.15	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0472			<b>Replacement, Basement Vinyl Windows</b> <small>(08 53 13 00-0467)</small> Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0473	EA		Up To 47" UI, Replacement, Basement Vinyl Window.....	238.04	42.50
			For Colored Vinyl, Add	15.30	
			For Tinted Glass, Add	18.36	
			For Low-E Insulated Glass, Add	38.26	
			For Obscure Glass, Add	42.09	
08 53 13 00-0474	EA		>47" To 55" UI, Replacement, Basement Vinyl Window.....	266.41	49.04
			For Colored Vinyl, Add	16.83	
			For Tinted Glass, Add	20.20	
			For Low-E Insulated Glass, Add	42.09	
			For Obscure Glass, Add	46.29	
08 53 13 00-0475	UI		>55" UI, Replacement, Basement Vinyl Window.....	4.48	0.70
			For Colored Vinyl, Add	0.31	
			For Tinted Glass, Add	0.37	
			For Low-E Insulated Glass, Add	0.77	
			For Obscure Glass, Add	0.84	
08 53 13 00-0476			<b>Accessories For Vinyl Windows</b> <small>(08 53 13)</small>		
08 53 13 00-0477			<b>Factory Installed Grilles For Vinyl Windows</b> <small>(08 53 13 00-0476)</small>		
08 53 13 00-0478			<b>Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows</b> <small>(08 53 13 00-0477)</small>		
08 53 13 00-0479	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	25.21	
08 53 13 00-0480	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	32.41	
08 53 13 00-0481	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	41.74	
08 53 13 00-0482	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	49.27	
08 53 13 00-0483	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	60.56	
08 53 13 00-0484			<b>Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows</b> <small>(08 53 13 00-0477)</small>		
08 53 13 00-0485	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	57.29	
08 53 13 00-0486	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	68.75	
08 53 13 00-0487	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	86.75	
08 53 13 00-0488	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	108.03	
08 53 13 00-0489	EA		>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	129.31	
08 53 66			<b>Vinyl Window Screens</b> <small>(08 53)</small>		
08 53 66 00-0001			<b>Insect Screens For Vinyl Windows</b> <small>(08 53 66)</small>		
08 53 66 00-0002	EA		Up To 6 SF, Insect Screen For Vinyl Windows.....	32.24	7.93
08 53 66 00-0003	EA		>6 To 9 SF, Insect Screen For Vinyl Windows.....	42.06	7.93
08 53 66 00-0004	EA		>9 To 12 SF, Insect Screen For Vinyl Windows.....	45.33	7.93
08 53 66 00-0005	EA		>12 To 15 SF, Insect Screen For Vinyl Windows.....	51.88	7.93
08 53 66 00-0006	EA		>15 To 20 SF, Insect Screen For Vinyl Windows.....	66.61	7.93
08 53 66 00-0007	EA		>20 To 25 SF, Insect Screen For Vinyl Windows.....	73.16	7.93
08 53 66 00-0008	EA		>25 To 30 SF, Insect Screen For Vinyl Windows.....	82.98	7.93
08 53 66 00-0009	EA		>30 To 35 SF, Insect Screen For Vinyl Windows.....	89.53	7.93
08 53 66 00-0010	SF		>35 SF, Insect Screen For Vinyl Windows.....	2.69	0.16
08 56			<b>Special Function Windows</b> <small>(08 50)</small>		
08 56 19			<b>Pass Windows</b> <small>(08 56)</small>		
08 56 19 00-0001			<b>Bullet Resistant Pass Through Service Window, Steel Frame</b> <small>(08 56 19)</small> Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)		
08 56 19 00-0002	EA		24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	4,562.79	610.04
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	45.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	295.00	
08 56 19 00-0003	EA		30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	5,034.98	660.88
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	60.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	370.00	
08 56 19 00-0004	EA		36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	5,291.36	711.72
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	70.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	445.00	
08 56 19 00-0005	EA		48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	6,632.36	813.39
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	100.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	650.00	
08 56 19 00-0006	EA		72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	8,919.84	1,220.09
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	150.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	975.00	





<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Special Function Windows	08 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 56 49 Radiation Shielding Windows</b> (08 56)		
<b>08 56 49 00-0001 Lead Lined Window Frames</b> (08 56 49)		
08 56 49 00-0002 LF 1/8" Lead Lined, 16 Gauge Telescoping Window Frame.....	54.59	8.18
08 56 49 00-0003 LF 1/16" Lead Lined, 16 Gauge Telescoping Window Frame.....	48.36	8.18
<b>08 56 56 Security Window Screens</b> (08 56)		
Note: Includes frame and mounting hardware. Operable security screens include hinges and related hardware.		
<b>08 56 56 00-0001 Wire Mesh Security Screen</b> (08 56 56)		
<b>08 56 56 00-0002 Wire Mesh, Inoperable, Security Window Screen</b> (08 56 56 00-0001)		
08 56 56 00-0003 SF 13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	21.82	4.58
For Painted Steel, Add	1.57	
For Galvanized Steel, Add	3.14	
For Aluminum, Add	6.29	
For Stainless Steel, Add	27.51	
08 56 56 00-0004 SF 11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	22.27	4.58
For Painted Steel, Add	1.62	
For Galvanized Steel, Add	3.23	
For Aluminum, Add	6.47	
For Stainless Steel, Add	28.30	
08 56 56 00-0005 SF 9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	24.34	4.58
For Painted Steel, Add	1.82	
For Galvanized Steel, Add	3.65	
For Aluminum, Add	7.30	
For Stainless Steel, Add	31.92	
08 56 56 00-0006 SF 6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	28.77	4.58
For Painted Steel, Add	2.27	
For Galvanized Steel, Add	4.53	
For Aluminum, Add	9.07	
For Stainless Steel, Add	39.67	
<b>08 56 56 00-0007 Wire Mesh, Operable, Security Window Screen</b> (08 56 56 00-0001)		
08 56 56 00-0008 SF 13 Gauge, Wire Mesh, Operable, Steel Security Window Screen.....	30.52	5.59
For Painted Steel, Add	2.24	
For Galvanized Steel, Add	4.48	
For Aluminum, Add	8.96	
For Stainless Steel, Add	39.18	
08 56 56 00-0009 SF 11 Gauge, Wire Mesh, Operable, Steel Security Window Screen.....	31.20	5.59
For Painted Steel, Add	2.31	
For Galvanized Steel, Add	4.61	
For Aluminum, Add	9.23	
For Stainless Steel, Add	40.37	
08 56 56 00-0010 SF 9 Gauge, Wire Mesh, Operable, Steel Security Window Screen.....	34.17	5.59
For Painted Steel, Add	2.60	
For Galvanized Steel, Add	5.21	
For Aluminum, Add	10.42	
For Stainless Steel, Add	45.57	
08 56 56 00-0011 SF 6 Gauge, Wire Mesh, Operable, Steel Security Window Screen.....	40.39	5.59
For Painted Steel, Add	3.23	
For Galvanized Steel, Add	6.45	
For Aluminum, Add	12.90	
For Stainless Steel, Add	56.46	
<b>08 56 56 00-0012 Wire Cloth Security Screen</b> (08 56 56)		
Note: Wire cloth has from 10 to 12 strands per 1".		
<b>08 56 56 00-0013 Wire Cloth, Inoperable, Security Window Screens</b> (08 56 56 00-0012)		
08 56 56 00-0014 SF 24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen.....	14.45	3.05
For Painted Steel, Add	0.47	
For Galvanized Steel, Add	1.41	
For Aluminum, Add	2.81	
For Stainless Steel, Add	11.71	
08 56 56 00-0015 SF 22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen.....	15.08	3.05
For Painted Steel, Add	0.50	
For Galvanized Steel, Add	1.50	
For Aluminum, Add	3.00	
For Stainless Steel, Add	12.50	
08 56 56 00-0016 SF 20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen.....	16.07	3.05
For Painted Steel, Add	0.55	
For Galvanized Steel, Add	1.65	
For Aluminum, Add	3.30	
For Stainless Steel, Add	13.74	
08 56 56 00-0017 SF 18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen.....	17.97	3.05
For Painted Steel, Add	0.64	
For Galvanized Steel, Add	1.93	
For Aluminum, Add	3.87	
For Stainless Steel, Add	16.11	
<b>08 56 56 00-0018 Wire Cloth, Operable, Security Window Screens</b> (08 56 56 00-0012)		

**08 Openings****08 50 Windows****08 56 Special Function Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0019 SF 24 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	19.46	4.06
For Painted Steel, Add	0.67	
For Galvanized Steel, Add	2.00	
For Aluminum, Add	4.01	
For Stainless Steel, Add	16.70	
08 56 56 00-0020 SF 22 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	20.43	4.06
For Painted Steel, Add	0.72	
For Galvanized Steel, Add	2.15	
For Aluminum, Add	4.30	
For Stainless Steel, Add	17.91	
08 56 56 00-0021 SF 20 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	21.78	4.06
For Painted Steel, Add	0.78	
For Galvanized Steel, Add	2.35	
For Aluminum, Add	4.70	
For Stainless Steel, Add	19.60	
08 56 56 00-0022 SF 18 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	24.48	4.06
For Painted Steel, Add	0.92	
For Galvanized Steel, Add	2.76	
For Aluminum, Add	5.51	
For Stainless Steel, Add	22.98	
<b>08 56 56 00-0023 Expanded Metal Security Screen (08 56 56)</b>		
Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.		
<b>08 56 56 00-0024 Expanded Metal, Inoperable, Security Screen (08 56 56 00-0023)</b>		
08 56 56 00-0025 SF 1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen.....	27.44	7.63
For Painted Steel, Add	0.91	
For Galvanized Steel, Add	2.74	
For Aluminum, Add	5.49	
For Stainless Steel, Add	22.86	
08 56 56 00-0026 SF 1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen.....	32.10	9.15
For Painted Steel, Add	1.05	
For Galvanized Steel, Add	3.14	
For Aluminum, Add	6.27	
For Stainless Steel, Add	26.14	
08 56 56 00-0027 SF 3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen.....	36.01	11.19
For Painted Steel, Add	1.14	
For Galvanized Steel, Add	3.42	
For Aluminum, Add	6.84	
For Stainless Steel, Add	28.50	
08 56 56 00-0028 SF 3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen.....	42.31	13.21
For Painted Steel, Add	1.30	
For Galvanized Steel, Add	3.91	
For Aluminum, Add	7.81	
For Stainless Steel, Add	32.55	
08 56 56 00-0029 SF 1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen .....	39.40	12.71
For Painted Steel, Add	1.21	
For Galvanized Steel, Add	3.62	
For Aluminum, Add	7.25	
For Stainless Steel, Add	30.19	
08 56 56 00-0030 SF 3 LB/SF Expanded Metal, Inoperable, Steel Security Window Screen .....	49.69	16.27
For Painted Steel, Add	1.52	
For Galvanized Steel, Add	4.56	
For Aluminum, Add	9.11	
For Stainless Steel, Add	37.96	
<b>08 56 56 00-0031 Expanded Metal, Operable, Security Screen (08 56 56 00-0023)</b>		
08 56 56 00-0032 SF 1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen.....	29.42	9.15
For Painted Steel, Add	0.91	
For Galvanized Steel, Add	2.73	
For Aluminum, Add	5.47	
For Stainless Steel, Add	22.79	
08 56 56 00-0033 SF 1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	43.04	11.19
For Painted Steel, Add	1.49	
For Galvanized Steel, Add	4.47	
For Aluminum, Add	8.95	
For Stainless Steel, Add	37.29	
08 56 56 00-0034 SF 3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	47.78	12.71
For Painted Steel, Add	1.63	
For Galvanized Steel, Add	4.88	
For Aluminum, Add	9.76	
For Stainless Steel, Add	40.66	
08 56 56 00-0035 SF 1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen.....	51.72	14.23
For Painted Steel, Add	1.72	
For Galvanized Steel, Add	5.16	
For Aluminum, Add	10.33	
For Stainless Steel, Add	43.04	
08 56 56 00-0036 SF 3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen.....	56.43	16.27
For Painted Steel, Add	1.86	
For Galvanized Steel, Add	5.57	
For Aluminum, Add	11.13	
For Stainless Steel, Add	46.39	



<b>Openings</b>	<b>08</b>
<b>Windows</b>	<b>08 50</b>
<b>Special Function Windows</b>	<b>08 56</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0037 SF 3 LB/SF Expanded Metal, Operable, Steel Security Window Screen .....	64.61	17.79
For Painted Steel, Add	2.16	
For Galvanized Steel, Add	6.49	
For Aluminum, Add	12.98	
For Stainless Steel, Add	54.08	
<b>08 56 56 00-0038 Perforated Metal Security Screen (08 56 56)</b>		
<b>08 56 56 00-0039 Perforated Metal, Inoperable, Steel Security Window Screen (08 56 56 00-0038)</b>		
08 56 56 00-0040 SF 22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen .....	24.30	4.58
For Painted Steel, Add	0.91	
For Galvanized Steel, Add	2.73	
For Aluminum, Add	5.46	
For Stainless Steel, Add	18.20	
08 56 56 00-0041 SF 20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen .....	25.03	4.58
For Painted Steel, Add	0.95	
For Galvanized Steel, Add	2.84	
For Aluminum, Add	5.68	
For Stainless Steel, Add	18.93	
08 56 56 00-0042 SF 18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen .....	27.46	4.58
For Painted Steel, Add	1.07	
For Galvanized Steel, Add	3.20	
For Aluminum, Add	6.41	
For Stainless Steel, Add	21.36	
08 56 56 00-0043 SF 16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen .....	32.05	4.58
For Painted Steel, Add	1.30	
For Galvanized Steel, Add	3.89	
For Aluminum, Add	7.79	
For Stainless Steel, Add	25.95	
<b>08 56 56 00-0044 Perforated Metal, Operable, Steel Security Window Screen (08 56 56 00-0038)</b>		
08 56 56 00-0045 SF 22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen .....	33.99	5.59
For Painted Steel, Add	1.29	
For Galvanized Steel, Add	3.88	
For Aluminum, Add	7.76	
For Stainless Steel, Add	25.86	
08 56 56 00-0046 SF 20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen .....	35.26	5.59
For Painted Steel, Add	1.36	
For Galvanized Steel, Add	4.07	
For Aluminum, Add	8.14	
For Stainless Steel, Add	27.13	
08 56 56 00-0047 SF 18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen .....	38.41	5.59
For Painted Steel, Add	1.51	
For Galvanized Steel, Add	4.54	
For Aluminum, Add	9.08	
For Stainless Steel, Add	30.28	
08 56 56 00-0048 SF 16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen .....	44.99	5.59
For Painted Steel, Add	1.84	
For Galvanized Steel, Add	5.53	
For Aluminum, Add	11.06	
For Stainless Steel, Add	36.86	
<b>08 56 56 00-0049 Removal And Reinstallation Of Security Screens And Guards (08 56 56)</b>		
08 56 56 00-0050 SF Removal And Reinstallation Of Security Screens .....	12.78	
<b>08 56 59 Service and Teller Window Units (08 56)</b>		
<b>08 56 59 00-0001 Communicator For Window (08 56 59)</b>		
08 56 59 00-0002 EA Electronic Two-Way Talk-thru Hands-Free Audio Communicator (Haven SC-350).....	2,431.97	203.35
Note: Communicator is designed for applications where a fire shutter or window shade is present. Two-way communication is accomplished through the use of speakers and micro-phones located on each side of the partition. The Master unit is equipped with a 15" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote Unit is window-mounted and may incorporate a level 3 bullet-resistive insert.		
08 56 59 00-0003 EA Electronic Two-Way Audio Communicator (Haven SC-300).....	2,114.75	203.35
Note: Communicator is designed for application where a cutout in the barrier is impractical. Two-way communication is accomplished through the use of speakers and microphones located on each side of the partition. The master unit is equipped with a 20" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote unit is vandal-resistant with all controls located within the housing.		
08 56 59 00-0004 EA Electronic Two-Way Talk-Thru Communication System (Norcon TTU-1).....	1,918.97	203.35
<b>08 56 59 00-0005 Speak-Thru Communicator For Window (08 56 59)</b>		
08 56 59 00-0006 EA 5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru (CRL 834A).....	141.61	
Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).		
08 56 59 00-0007 EA 6-3/16" Diameter, Polished Stainless Steel, No-Draft Speak-Thru (Brixwell 834LPS).....	210.31	
Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).		

<b>08</b>	<b>08</b>	<b>Openings</b>
	<b>08 50</b>	<b>Windows</b>
	<b>08 56</b>	<b>Special Function Windows</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 56 59 00-0008	Counter Drop-In Deal Tray <small>(08 56 59)</small>		
08 56 59 00-0009	EA 16" Wide x 10" Deep x 1-9/16" High, Brushed Stainless Steel, Standard Drop-In Deal Tray (CRL CTDB16) .....	400.15	41.15

**08 60 Roof Windows and Skylights** (08)

Note: Includes hardware, caulk, sealant and necessary anchors.

**08 62 Unit Skylights** (08 60)

**08 62 23 Tubular Skylights** (08 62)

**08 62 23 00-0001 Aluminum Framed Solar Tube Skylights** (08 62 23)

Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.

**08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights** (08 62 23 00-0001)

08 62 23 00-0003	EA 2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,204.62	173.68
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	949.68	
08 62 23 00-0004	EA 3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,272.98	178.02
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	950.55	
08 62 23 00-0005	EA 4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,339.34	182.36
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	951.41	
08 62 23 00-0006	EA 5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,433.55	186.71
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	952.28	
08 62 23 00-0007	EA 6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,515.83	191.05
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	953.15	
08 62 23 00-0008	EA 7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,582.19	195.39
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	954.02	
08 62 23 00-0009	EA 8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,648.55	199.73
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	954.89	



<b>Openings</b>	<b>08</b>
<b>Roof Windows and Skylights</b>	<b>08 60</b>
<b>Unit Skylights</b>	<b>08 62</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0010 EA 9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,758.68	204.08
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	955.76	
08 62 23 00-0011 EA 10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,825.05	208.41
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	956.62	
08 62 23 00-0012 EA 11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,893.40	212.76
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	957.49	
08 62 23 00-0013 EA 12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,959.76	217.11
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	958.36	
08 62 23 00-0014 EA 13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,069.88	221.44
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	959.23	
08 62 23 00-0015 EA 14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,136.25	225.79
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	960.10	
08 62 23 00-0016 EA 15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,202.61	230.12
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	960.97	
08 62 23 00-0017 EA 16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,268.98	234.47
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	961.83	
<b>08 62 23 00-0018 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights</b>		
<small>(08 62 23 00-0001)</small>		
08 62 23 00-0019 EA 2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,473.13	173.68
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	949.68	

**08 Openings****08 60 Roof Windows and Skylights****08 62 Unit Skylights**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 62 23 00-0020	EA	3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,567.35		178.02
		<i>For Class 3 Hail Rated, Add</i>	5.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	22.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00		
		<i>For Single Blade Louver, Add</i>	950.55		
08 62 23 00-0021	EA	4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,661.56		182.36
		<i>For Class 3 Hail Rated, Add</i>	5.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	22.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00		
		<i>For Single Blade Louver, Add</i>	951.41		
08 62 23 00-0022	EA	5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,755.77		186.71
		<i>For Class 3 Hail Rated, Add</i>	5.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	22.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00		
		<i>For Single Blade Louver, Add</i>	952.28		
08 62 23 00-0023	EA	6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,909.65		191.05
		<i>For Class 3 Hail Rated, Add</i>	5.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	22.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00		
		<i>For Single Blade Louver, Add</i>	953.15		
08 62 23 00-0024	EA	7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,003.86		195.39
		<i>For Class 3 Hail Rated, Add</i>	5.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	22.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00		
		<i>For Single Blade Louver, Add</i>	954.02		
08 62 23 00-0025	EA	8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,098.07		199.73
		<i>For Class 3 Hail Rated, Add</i>	5.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	22.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00		
		<i>For Single Blade Louver, Add</i>	954.89		
08 62 23 00-0026	EA	9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,251.95		204.08
		<i>For Class 3 Hail Rated, Add</i>	5.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	22.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00		
		<i>For Single Blade Louver, Add</i>	955.76		
08 62 23 00-0027	EA	10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,346.17		208.41
		<i>For Class 3 Hail Rated, Add</i>	5.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	22.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00		
		<i>For Single Blade Louver, Add</i>	956.62		
08 62 23 00-0028	EA	11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,440.38		212.76
		<i>For Class 3 Hail Rated, Add</i>	5.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	22.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00		
		<i>For Single Blade Louver, Add</i>	957.49		



<b>Openings</b>	<b>08</b>
Roof Windows and Skylights	08 60
Unit Skylights	08 62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0029	EA		12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,534.58	217.11
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	958.36	
08 62 23 00-0030	EA		13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,688.46	221.44
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	959.23	
08 62 23 00-0031	EA		14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,782.68	225.79
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	960.10	
08 62 23 00-0032	EA		15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,876.89	230.12
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	960.97	
08 62 23 00-0033	EA		16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,971.10	234.47
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	961.83	
08 62 23 00-0034			<b>55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights</b> <small>(08 62 23 00-0001)</small>		
08 62 23 00-0035	EA		2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,979.99	195.39
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	954.02	
08 62 23 00-0036	EA		3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,111.99	199.73
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	954.89	
08 62 23 00-0037	EA		4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,245.99	204.08
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	955.76	
08 62 23 00-0038	EA		5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,377.99	208.41
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	956.62	

**08 Openings****08 60 Roof Windows and Skylights****08 62 Unit Skylights**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 62 23 00-0039	EA	6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,589.55	212.76
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	957.49	
08 62 23 00-0040	EA	7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,721.55	217.11
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	958.36	
08 62 23 00-0041	EA	8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,853.55	221.44
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	959.23	
08 62 23 00-0042	EA	9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,067.11	225.79
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	960.10	
08 62 23 00-0043	EA	10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,199.10	230.12
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	960.97	
08 62 23 00-0044	EA	11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,331.11	234.47
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	961.83	
08 62 23 00-0045	EA	12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,463.11	238.81
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	962.70	
08 62 23 00-0046	EA	13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,674.68	243.15
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	963.57	
08 62 23 00-0047	EA	14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,806.67	247.50
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	964.44	





	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0048	EA	15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,940.66	251.84
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	965.31	
08 62 23 00-0049	EA	16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,072.66	256.18
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	966.18	

**08 63 Metal-Framed Skylights** (08 60)

**08 63 13 Domed Metal-Framed Skylights** (08 63)

- 08 63 13 00-0001 Domed Aluminum Framed Skylights (08 63 13)
- 08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0001)
- 08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)
- 08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0005	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	414.07	86.84
08 63 13 00-0006	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	482.48	86.84
08 63 13 00-0007	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	666.40	97.70
08 63 13 00-0008	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	754.57	108.55
08 63 13 00-0009	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	517.65	86.84
08 63 13 00-0010	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	640.99	97.70
08 63 13 00-0011	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	683.99	97.70
08 63 13 00-0012	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	789.75	108.55
08 63 13 00-0013	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	924.80	119.41
08 63 13 00-0014	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	648.81	97.70
08 63 13 00-0015	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	717.44	108.55
08 63 13 00-0016	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	799.52	108.55
08 63 13 00-0017	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	879.85	119.41
08 63 13 00-0018	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	975.83	130.26
08 63 13 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,101.12	141.12
08 63 13 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	776.07	108.55
08 63 13 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	854.45	119.41
08 63 13 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	977.78	130.26
08 63 13 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,028.60	130.26
08 63 13 00-0024	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,192.98	141.12

**08 63 13 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights** (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	511.79	86.84
08 63 13 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	578.24	86.84

**08 Openings****08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0028	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	742.62	97.70
08 63 13 00-0029	EA		27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	832.75	108.55
08 63 13 00-0030	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	588.01	86.84
08 63 13 00-0031	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	695.72	97.70
08 63 13 00-0032	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	742.62	97.70
08 63 13 00-0033	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	856.20	108.55
08 63 13 00-0034	EA		39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	963.89	119.41
08 63 13 00-0035	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	703.53	97.70
08 63 13 00-0036	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	779.98	108.55
08 63 13 00-0037	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	832.75	108.55
08 63 13 00-0038	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	916.99	119.41
08 63 13 00-0039	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	995.37	130.26
08 63 13 00-0040	EA		52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,122.62	141.12
08 63 13 00-0041	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	840.56	108.55
08 63 13 00-0042	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	924.80	119.41
08 63 13 00-0043	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,018.83	130.26
08 63 13 00-0044	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,073.55	130.26
08 63 13 00-0045	EA		63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,222.30	141.12
08 63 13 00-0046			<b>High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0003)</small>		
			Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0047	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	519.61	86.84
08 63 13 00-0048	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	593.88	86.84
08 63 13 00-0049	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	764.12	97.70
08 63 13 00-0050	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	607.56	86.84
08 63 13 00-0051	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	723.08	97.70
08 63 13 00-0052	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	764.12	97.70
08 63 13 00-0053	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	879.65	108.55
08 63 13 00-0054	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	721.12	97.70
08 63 13 00-0055	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	795.61	108.55
08 63 13 00-0056	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	858.15	108.55
08 63 13 00-0057	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	942.39	119.41
08 63 13 00-0058	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,026.64	130.26
08 63 13 00-0059	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	864.02	108.55
08 63 13 00-0060	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	956.07	119.41
08 63 13 00-0061	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,050.10	130.26
08 63 13 00-0062	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,104.82	130.26
08 63 13 00-0063			<b>FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0003)</small>		
			Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0064	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	533.29	86.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0065 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	615.37	86.84
08 63 13 00-0066 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	783.66	97.70
08 63 13 00-0067 EA 27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	903.10	108.55
08 63 13 00-0068 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	627.10	86.84
08 63 13 00-0069 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	740.67	97.70
08 63 13 00-0070 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	783.66	97.70
08 63 13 00-0071 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	908.97	108.55
08 63 13 00-0072 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	742.62	97.70
08 63 13 00-0073 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	817.11	108.55
08 63 13 00-0074 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	885.51	108.55
08 63 13 00-0075 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	971.71	119.41
08 63 13 00-0076 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,057.92	130.26
08 63 13 00-0077 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	893.33	108.55
08 63 13 00-0078 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	985.39	119.41
08 63 13 00-0079 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,081.37	130.26
08 63 13 00-0080 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,140.00	130.26
<b>08 63 13 00-0081 Curb Top Inserts</b> <small>(08 63 13 00-0003)</small> Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb.		
<b>08 63 13 00-0082 Single Glazed, Aluminum Framed Curb Top Inserts</b> <small>(08 63 13 00-0081)</small>		
08 63 13 00-0083 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert .....	158.44	43.42
08 63 13 00-0084 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert .....	226.98	48.84
08 63 13 00-0085 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert .....	392.81	65.13
08 63 13 00-0086 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert .....	364.06	59.70
08 63 13 00-0087 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert .....	448.50	65.13
<b>08 63 13 00-0088 Double Glazed, Aluminum Framed Curb Top Inserts</b> <small>(08 63 13 00-0081)</small>		
08 63 13 00-0089 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	239.99	43.42
08 63 13 00-0090 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	384.12	48.84
08 63 13 00-0091 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	677.24	65.13
08 63 13 00-0092 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	666.39	59.70
08 63 13 00-0093 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	842.32	65.13
<b>08 63 13 00-0094 Triple Glazed, Aluminum Framed Curb Top Inserts</b> <small>(08 63 13 00-0081)</small>		
08 63 13 00-0095 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert .....	319.55	43.42
08 63 13 00-0096 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert .....	533.29	48.84
08 63 13 00-0097 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert .....	1,027.30	65.13
08 63 13 00-0098 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert .....	948.82	59.70
08 63 13 00-0099 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert .....	1,208.30	65.13
<b>08 63 13 00-0100 Pyramid Style Fixed Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0002)</small>		
<b>08 63 13 00-0101 Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0100)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0102 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight .....	378.89	86.84
08 63 13 00-0103 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight .....	462.93	86.84
08 63 13 00-0104 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight .....	594.09	97.70
08 63 13 00-0105 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight .....	754.57	108.55
<b>08 63 13 00-0106 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0100)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		

**08 Openings****08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0107	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	531.34	86.84
08 63 13 00-0108	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	619.28	86.84
08 63 13 00-0109	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	736.76	97.70
08 63 13 00-0110	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	885.51	108.55
08 63 13 00-0111			<b>Double Hip Style Fixed Dome, Aluminum Framed Skylights</b> (08 63 13 00-0002)		
08 63 13 00-0112			<b>Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight</b> (08 63 13 00-0111)		
			Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0113	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	451.20	86.84
08 63 13 00-0114	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	607.77	97.70
08 63 13 00-0115	EA		27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	723.30	108.55
08 63 13 00-0116	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	566.73	97.70
08 63 13 00-0117	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	607.77	97.70
08 63 13 00-0118	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	746.75	108.55
08 63 13 00-0119	EA		39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	883.76	119.41
08 63 13 00-0120	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	664.67	108.55
08 63 13 00-0121	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	723.30	108.55
08 63 13 00-0122	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	809.49	119.41
08 63 13 00-0123	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	889.84	130.26
08 63 13 00-0124	EA		52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,058.13	141.12
08 63 13 00-0125	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	832.95	119.41
08 63 13 00-0126	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	948.47	130.26
08 63 13 00-0127	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,009.06	130.26
08 63 13 00-0128	EA		63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,171.48	141.12
08 63 13 00-0129			<b>Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight</b> (08 63 13 00-0111)		
			Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0130	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	517.65	86.84
08 63 13 00-0131	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	588.01	86.84
08 63 13 00-0132	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	752.39	97.70
08 63 13 00-0133	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	601.69	86.84
08 63 13 00-0134	EA		39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	674.22	97.70
08 63 13 00-0135	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	711.35	97.70
08 63 13 00-0136	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	752.39	97.70
08 63 13 00-0137	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	869.88	108.55
08 63 13 00-0138	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	713.31	97.70
08 63 13 00-0139	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	787.79	108.55
08 63 13 00-0140	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	846.43	108.55
08 63 13 00-0141	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	928.71	119.41
08 63 13 00-0142	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,011.01	130.26
08 63 13 00-0143	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	850.34	108.55
08 63 13 00-0144	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	942.39	119.41



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Roof Windows and Skylights</b>	<b>08 60</b>	
<b>Metal-Framed Skylights</b>	<b>08 63</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0145 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,034.46	130.26
08 63 13 00-0146 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,087.23	130.26
<b>08 63 13 00-0147 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0111)</small>		
<small>Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.</small>		
08 63 13 00-0148 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	582.15	86.84
08 63 13 00-0149 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	777.80	97.70
08 63 13 00-0150 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	732.85	97.70
08 63 13 00-0151 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	777.80	97.70
08 63 13 00-0152 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	901.15	108.55
08 63 13 00-0153 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	811.25	108.55
08 63 13 00-0154 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	875.74	108.55
08 63 13 00-0155 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	963.89	119.41
08 63 13 00-0156 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,042.28	130.26
08 63 13 00-0157 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	977.57	119.41
08 63 13 00-0158 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,073.55	130.26
08 63 13 00-0159 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,130.23	130.26
<b>08 63 13 00-0160 Smoke Vent Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0001)</small>		
<b>08 63 13 00-0161 Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0160)</small>		
<small>Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing.</small>		
<b>08 63 13 00-0162 Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0161)</small>		
<b>08 63 13 00-0163 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0162)</small>		
08 63 13 00-0164 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,543.26	130.26
08 63 13 00-0165 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,365.41	130.26
08 63 13 00-0166 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,674.20	130.26
<b>08 63 13 00-0167 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0162)</small>		
08 63 13 00-0168 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,323.06	130.26
08 63 13 00-0169 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,153.03	130.26
08 63 13 00-0170 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,500.92	130.26
<b>08 63 13 00-0171 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0162)</small>		
08 63 13 00-0172 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,547.82	130.26
08 63 13 00-0173 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,373.88	130.26
08 63 13 00-0174 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,721.76	130.26
<b>08 63 13 00-0175 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0161)</small>		
<b>08 63 13 00-0176 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0175)</small>		

**08 Openings****08 60 Roof Windows and Skylights**

08 63 Metal-Framed Skylights



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0177	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,554.99	130.26
08 63 13 00-0178	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,377.14	130.26
08 63 13 00-0179	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,691.79	130.26
<b>08 63 13 00-0180</b>			<b>25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)</b>		
08 63 13 00-0181	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,338.70	130.26
08 63 13 00-0182	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,164.76	130.26
08 63 13 00-0183	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,520.46	130.26
<b>08 63 13 00-0184</b>			<b>30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)</b>		
08 63 13 00-0185	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,559.55	130.26
08 63 13 00-0186	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,385.61	130.26
08 63 13 00-0187	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,741.31	130.26
<b>08 66 Wood-Framed Skylights (08 60)</b>					
<b>08 66 00 00-0001</b>			<b>Wood-Framed Skylights (Andersen 400 Series) (08 66)</b>		
08 66 00 00-0002	EA		16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	720.52	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	112.02	
			<i>For Aluminum Shingle Flashing, Add</i>	89.62	
08 66 00 00-0003	EA		16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	738.81	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	116.60	
			<i>For Aluminum Shingle Flashing, Add</i>	93.28	
08 66 00 00-0004	EA		24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series).....	695.37	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	105.74	
			<i>For Aluminum Shingle Flashing, Add</i>	84.59	
08 66 00 00-0005	EA		24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	752.52	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	120.02	
			<i>For Aluminum Shingle Flashing, Add</i>	96.02	
08 66 00 00-0006	EA		24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	800.53	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	132.03	
			<i>For Aluminum Shingle Flashing, Add</i>	105.62	
08 66 00 00-0007	EA		24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series).....	878.26	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	151.46	
			<i>For Aluminum Shingle Flashing, Add</i>	121.17	
08 66 00 00-0008	EA		24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series).....	976.57	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	176.04	
			<i>For Aluminum Shingle Flashing, Add</i>	140.83	
08 66 00 00-0009	EA		27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	695.37	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	105.74	
			<i>For Aluminum Shingle Flashing, Add</i>	84.59	
08 66 00 00-0010	EA		28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	811.97	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	134.89	
			<i>For Aluminum Shingle Flashing, Add</i>	107.91	
08 66 00 00-0011	EA		28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	878.26	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	151.46	
			<i>For Aluminum Shingle Flashing, Add</i>	121.17	
08 66 00 00-0012	EA		28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series).....	953.71	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	170.32	
			<i>For Aluminum Shingle Flashing, Add</i>	136.26	
08 66 00 00-0013	EA		28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series).....	1,054.30	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	195.47	
			<i>For Aluminum Shingle Flashing, Add</i>	156.37	
08 66 00 00-0014	EA		38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	720.52	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	112.02	
			<i>For Aluminum Shingle Flashing, Add</i>	89.62	
08 66 00 00-0015	EA		38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	752.52	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	120.02	
			<i>For Aluminum Shingle Flashing, Add</i>	96.02	
08 66 00 00-0016	EA		38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	811.97	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	134.89	
			<i>For Aluminum Shingle Flashing, Add</i>	107.91	
08 66 00 00-0017	EA		44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	1,022.29	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	187.47	
			<i>For Aluminum Shingle Flashing, Add</i>	149.97	
08 66 00 00-0018	EA		46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	738.81	136.22
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	116.60	
			<i>For Aluminum Shingle Flashing, Add</i>	93.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 66 00 00-0019 EA 46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	800.53 132.03 105.02	136.22
08 66 00 00-0020 EA 46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	878.26 151.46 121.17	136.22
08 66 00 00-0021 EA 46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	1,022.29 187.47 149.97	136.22
08 66 00 00-0022 EA 57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	878.26 151.46 121.17	136.22
08 66 00 00-0023 EA 57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	953.71 170.32 136.26	136.22
08 66 00 00-0024 EA 72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	976.57 176.04 140.83	136.22
08 66 00 00-0025 EA 72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	1,054.30 195.47 156.37	136.22

08 70 Hardware <sup>(08)</sup>

08 71 Door Hardware <sup>(08 70)</sup>

**08 71 11 Door Hardware** <sup>(08 71)</sup>

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0050 for removal and reinstallation of existing door where required for modifications.

08 71 11 00-0001	<b>Hinges</b> <sup>(08 71 11)</sup> Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.		
08 71 11 00-0002	<b>Brass/Bronze, Satin Chrome Finish Hinges</b> <sup>(08 71 11 00-0001)</sup> Note: US26D (BHMA 626) satin chrome finish.		
08 71 11 00-0003	<b>Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> <sup>(08 71 11 00-0002)</sup> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0004	PR 3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	79.76 5.52 6.00	7.62
08 71 11 00-0005	PR 4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	87.47 6.14 6.00	10.90
08 71 11 00-0006	PR 4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	98.96 5.14 6.00	11.98
08 71 11 00-0007	<b>Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> <sup>(08 71 11 00-0002)</sup> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0008	PR 3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	91.70 7.08 6.00	7.62
08 71 11 00-0009	PR 4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	105.06 7.08 6.00	10.90
08 71 11 00-0010	PR 4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	106.96 6.26 6.00	11.98
08 71 11 00-0011	PR 5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	124.95 7.32 6.00	14.17
08 71 11 00-0012	PR 5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	125.74 7.43 6.00	14.17
08 71 11 00-0013	PR 6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	134.84 8.71 6.00	18.20
08 71 11 00-0014	<b>Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> <sup>(08 71 11 00-0002)</sup> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0015	PR 3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	103.89	7.62
08 71 11 00-0016	PR 4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	117.24	10.90
08 71 11 00-0017	PR 4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	120.22	11.98
08 71 11 00-0018	PR 5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	139.57	14.17

<b>08</b>	<b>08</b>	<b>Openings</b>
	<b>08 70</b>	<b>Hardware</b>
	<b>08 71</b>	<b>Door Hardware</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0019	<b>Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> <small>(08 71 11 00-0002)</small> Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0020	PR 4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	133.55 9.98 6.00	11.98
08 71 11 00-0021	PR 5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	151.76 11.08 6.00	14.17
08 71 11 00-0022	PR 5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	168.51 13.42 6.00	14.17
08 71 11 00-0023	<b>Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> <small>(08 71 11 00-0002)</small> Note: Set into mortised edge of the door and surface applied to the face of the frame.		
08 71 11 00-0024	PR 4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	136.87 10.44 6.00	11.98
08 71 11 00-0025	PR 5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	161.19 12.40 6.00	14.17
08 71 11 00-0026	<b>Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge</b> <small>(08 71 11 00-0002)</small> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0027	PR 4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	132.86 9.88 6.00	11.98
08 71 11 00-0028	PR 5" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	153.59 11.33 6.00	18.20
08 71 11 00-0029	PR 6" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	182.36 15.36 6.00	18.20
08 71 11 00-0030	<b>Mortised, Wrought Steel Hinges</b> <small>(08 71 11 00-0001)</small> Note: Clear coated, US 26D satin chrome finish (BHMA 652).		
08 71 11 00-0031	<b>Full Mortise, Plain Bearing, Wrought Steel Hinges</b> <small>(08 71 11 00-0030)</small> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0032	PR 3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	50.36 -1.85 1.16 -1.11 5.08 1.39 6.00	7.62
08 71 11 00-0033	PR 4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	64.68 -2.04 1.28 -1.22 5.61 1.53 6.00	10.90
08 71 11 00-0034	PR 4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	74.70 -2.49 1.55 -1.49 6.84 1.86 6.00	11.98
08 71 11 00-0035	<b>Full Mortise, Ball Bearing, Wrought Steel Hinges</b> <small>(08 71 11 00-0030)</small> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0036	PR 3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	74.80 -6.74 4.21 -4.04 18.52 5.05 6.00	7.62
08 71 11 00-0037	PR 4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	92.62 -7.63 4.77 -4.58 20.98 5.72 6.00	10.90





<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0038 PR 4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	106.16	11.98
For Primed For Paint Finish, Deduct	-8.78	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	5.49	
For Satin Brass Plated Clear Coated Finish, Deduct	-5.27	
For Stainless Steel, Add	24.14	
For Heavy Duty, Add	6.58	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0039 PR 5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	128.41	14.17
For Primed For Paint Finish, Deduct	-11.15	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	6.97	
For Satin Brass Plated Clear Coated Finish, Deduct	-6.69	
For Stainless Steel, Add	30.67	
For Heavy Duty, Add	8.36	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0040 PR 5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	136.28	14.17
For Primed For Paint Finish, Deduct	-12.73	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	7.95	
For Satin Brass Plated Clear Coated Finish, Deduct	-7.64	
For Stainless Steel, Add	35.00	
For Heavy Duty, Add	9.54	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0041 PR 6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	160.27	14.17
For Primed For Paint Finish, Deduct	-17.52	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	10.95	
For Satin Brass Plated Clear Coated Finish, Deduct	-10.51	
For Stainless Steel, Add	48.19	
For Heavy Duty, Add	13.14	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
<b>08 71 11 00-0042 Half Surface, Plain Bearing, Wrought Steel Hinges</b> (08 71 11 00-0030)		
Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0043 PR 3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	88.91	7.62
For Primed For Paint Finish, Deduct	-9.56	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	5.97	
For Satin Brass Plated Clear Coated Finish, Deduct	-5.73	
For Stainless Steel, Add	26.28	
For Heavy Duty, Add	7.17	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0044 PR 4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	108.64	10.90
For Primed For Paint Finish, Deduct	-10.83	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	6.77	
For Satin Brass Plated Clear Coated Finish, Deduct	-6.50	
For Stainless Steel, Add	29.79	
For Heavy Duty, Add	8.12	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0045 PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	122.80	11.98
For Primed For Paint Finish, Deduct	-12.11	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	7.57	
For Satin Brass Plated Clear Coated Finish, Deduct	-7.26	
For Stainless Steel, Add	33.29	
For Heavy Duty, Add	9.08	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0046 PR 5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	139.56	14.17
For Primed For Paint Finish, Deduct	-13.38	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	8.36	
For Satin Brass Plated Clear Coated Finish, Deduct	-8.03	
For Stainless Steel, Add	36.80	
For Heavy Duty, Add	10.04	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
<b>08 71 11 00-0047 Half Surface, Ball Bearing, Wrought Steel Hinges</b> (08 71 11 00-0030)		
Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0048 PR 4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	122.98	11.98
For Primed For Paint Finish, Deduct	-13.70	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	8.56	
For Satin Brass Plated Clear Coated Finish, Deduct	-8.22	
For Stainless Steel, Add	37.68	
For Heavy Duty, Add	10.28	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0049 PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	138.07	11.98
For Primed For Paint Finish, Deduct	-15.16	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	9.48	
For Satin Brass Plated Clear Coated Finish, Deduct	-9.10	
For Stainless Steel, Add	41.69	
For Heavy Duty, Add	11.37	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0050 PR 5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	160.27	14.17
For Primed For Paint Finish, Deduct	-17.52	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	10.95	
For Satin Brass Plated Clear Coated Finish, Deduct	-10.51	
For Stainless Steel, Add	48.19	
For Heavy Duty, Add	13.14	
For Pair Of Non-Removable Pins (NRP), Add	6.00	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 71 11 00-0051</b> Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges <small>(08 71 11 00-0030)</small> Note: Both leaves slide into a cavity prepared in the door and door frame.		
08 71 11 00-0052 PR 4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	152.90	11.98
For Primed For Paint Finish, Deduct	-18.13	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	11.33	
For Satin Brass Plated Clear Coated Finish, Deduct	-10.88	
For Stainless Steel, Add	49.85	
For Heavy Duty, Add	13.59	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
<b>08 71 11 00-0053</b> Blank Butt Hinges <small>(08 71 11 00-0030)</small>		
08 71 11 00-0054 PR 3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge.....	31.02	4.90
For Primed For Paint Finish, Deduct	-2.31	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	1.44	
For Satin Brass Plated Clear Coated Finish, Deduct	-1.38	
For Stainless Steel, Add	6.35	
For Heavy Duty, Add	1.73	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
<b>08 71 11 00-0055</b> Full Mortise, Single Acting Spring, Wrought Steel Hinges <small>(08 71 11 00-0030)</small> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0056 PR 3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	127.69	7.62
For Primed For Paint Finish, Deduct	-17.31	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	10.82	
For Satin Brass Plated Clear Coated Finish, Deduct	-10.39	
For Stainless Steel, Add	47.61	
08 71 11 00-0057 PR 4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	167.71	10.90
For Primed For Paint Finish, Deduct	-22.65	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	14.15	
For Satin Brass Plated Clear Coated Finish, Deduct	-13.59	
For Stainless Steel, Add	62.28	
08 71 11 00-0058 PR 4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	228.83	11.98
For Primed For Paint Finish, Deduct	-33.31	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	20.82	
For Satin Brass Plated Clear Coated Finish, Deduct	-19.99	
For Stainless Steel, Add	91.61	
<b>08 71 11 00-0059</b> Offset And Pivot Hinges <small>(08 71 11 00-0001)</small> Note: Satin chrome plated, US26D.		
<b>08 71 11 00-0060</b> Offset Swing Clear Hinges <small>(08 71 11 00-0059)</small> Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 11 00-0061 EA 4-1/2", Steel, Satin Chrome Finish, Swing Clear, Offset Hinges.....	223.98	3.40
<b>08 71 11 00-0062</b> Offset Pivot Hinges <small>(08 71 11 00-0059)</small>		
<b>08 71 11 00-0063</b> 3/4" Offset Pivot Hinges <small>(08 71 11 00-0062)</small>		
<b>08 71 11 00-0064</b> 3/4" Offset Pivot Hinges <small>(08 71 11 00-0063)</small>		
<b>08 71 11 00-0065</b> Top Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0064)</small>		
<b>08 71 11 00-0066</b> 200 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0065)</small>		
08 71 11 00-0067 EA Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	122.51	10.90
08 71 11 00-0068 EA Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	163.72	10.90
08 71 11 00-0069 EA Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	186.61	10.90
08 71 11 00-0070 EA Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	186.61	10.90
08 71 11 00-0071 EA Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	186.61	10.90
08 71 11 00-0072 EA Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	186.61	10.90
08 71 11 00-0073 EA Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	186.61	10.90
08 71 11 00-0074 EA Painted Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	134.41	10.90
08 71 11 00-0075 EA Satin Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	170.14	10.90
08 71 11 00-0076 EA Bright Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	193.94	10.90
08 71 11 00-0077 EA Satin Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	193.94	10.90
08 71 11 00-0078 EA Satin Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	193.94	10.90
08 71 11 00-0079 EA Dark Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	193.94	10.90
08 71 11 00-0080 EA Bright Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	193.94	10.90
08 71 11 00-0081 EA Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	122.51	10.90
08 71 11 00-0082 EA Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	163.72	10.90
08 71 11 00-0083 EA Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	186.61	10.90
08 71 11 00-0084 EA Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	186.61	10.90
08 71 11 00-0085 EA Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	186.61	10.90
08 71 11 00-0086 EA Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	186.61	10.90
08 71 11 00-0087 EA Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	186.61	10.90
<b>08 71 11 00-0088</b> 500 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0065)</small>		
08 71 11 00-0089 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	127.96	13.63
08 71 11 00-0090 EA Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	169.17	13.63
08 71 11 00-0091 EA Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	192.06	13.63



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0092 EA Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top) .....	192.06	13.63
08 71 11 00-0093 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top) .....	192.06	13.63
08 71 11 00-0094 EA Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top) .....	192.06	13.63
08 71 11 00-0095 EA Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top) .....	192.06	13.63
<b>08 71 11 00-0096 600 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0065)</small>		
08 71 11 00-0097 EA Painted Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top) .....	127.96	13.63
08 71 11 00-0098 EA Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top) .....	169.17	13.63
08 71 11 00-0099 EA Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top) .....	192.06	13.63
08 71 11 00-0100 EA Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top) .....	192.06	13.63
08 71 11 00-0101 EA Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top) .....	192.06	13.63
08 71 11 00-0102 EA Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top) .....	192.06	13.63
08 71 11 00-0103 EA Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top) .....	192.06	13.63
<b>08 71 11 00-0104 700 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0065)</small>		
08 71 11 00-0105 EA Painted Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top) .....	127.96	13.63
08 71 11 00-0106 EA Satin Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top) .....	169.17	13.63
08 71 11 00-0107 EA Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top) .....	192.06	13.63
08 71 11 00-0108 EA Satin Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top) .....	192.06	13.63
08 71 11 00-0109 EA Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top) .....	192.06	13.63
08 71 11 00-0110 EA Dark Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top) .....	192.06	13.63
08 71 11 00-0111 EA Bright Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top) .....	192.06	13.63
<b>08 71 11 00-0112 Intermediate Mount, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0064)</small>		
<b>08 71 11 00-0113 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0112)</small>		
08 71 11 00-0114 EA Painted Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT) .....	151.81	10.90
08 71 11 00-0115 EA Satin Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT) .....	186.61	10.90
08 71 11 00-0116 EA Bright Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT) .....	211.33	10.90
08 71 11 00-0117 EA Satin Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT) .....	211.33	10.90
08 71 11 00-0118 EA Satin Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT) .....	211.33	10.90
08 71 11 00-0119 EA Dark Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT) .....	211.33	10.90
08 71 11 00-0120 EA Bright Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT) .....	211.33	10.90
<b>08 71 11 00-0121 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0112)</small>		
08 71 11 00-0122 EA Painted Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT) .....	169.17	13.63
08 71 11 00-0123 EA Satin Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT) .....	180.15	13.63
08 71 11 00-0124 EA Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT) .....	199.39	13.63
08 71 11 00-0125 EA Satin Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT) .....	199.39	13.63
08 71 11 00-0126 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT) .....	199.39	13.63
08 71 11 00-0127 EA Dark Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT) .....	199.39	13.63
08 71 11 00-0128 EA Bright Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT) .....	199.39	13.63
<b>08 71 11 00-0129 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0112)</small>		
08 71 11 00-0130 EA Painted Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT) .....	169.17	13.63
08 71 11 00-0131 EA Satin Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT) .....	180.15	13.63
08 71 11 00-0132 EA Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT) .....	199.39	13.63
08 71 11 00-0133 EA Satin Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT) .....	199.39	13.63
08 71 11 00-0134 EA Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT) .....	199.39	13.63
08 71 11 00-0135 EA Dark Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT) .....	199.39	13.63
08 71 11 00-0136 EA Bright Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT) .....	199.39	13.63
<b>08 71 11 00-0137 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0112)</small>		
08 71 11 00-0138 EA Painted Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT) .....	169.17	13.63
08 71 11 00-0139 EA Satin Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT) .....	180.15	13.63
08 71 11 00-0140 EA Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT) .....	199.39	13.63
08 71 11 00-0141 EA Satin Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT) .....	199.39	13.63
08 71 11 00-0142 EA Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT) .....	199.39	13.63
08 71 11 00-0143 EA Dark Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT) .....	199.39	13.63
08 71 11 00-0144 EA Bright Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT) .....	199.39	13.63
<b>08 71 11 00-0145 Bottom Mount, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0064)</small>		
<b>08 71 11 00-0146 200 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0145)</small>		
08 71 11 00-0147 EA Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM) .....	134.41	10.90

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0148 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM) .....	170.14	10.90
08 71 11 00-0149 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	193.94	10.90
08 71 11 00-0150 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	193.94	10.90
08 71 11 00-0151 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	193.94	10.90
08 71 11 00-0152 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM) .....	243.16	10.90
08 71 11 00-0153 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM) .....	193.94	10.90
08 71 11 00-0154 EA Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM) .....	134.41	10.90
08 71 11 00-0155 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	170.14	10.90
08 71 11 00-0156 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM) .....	193.94	10.90
08 71 11 00-0157 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM) .....	193.94	10.90
08 71 11 00-0158 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM) .....	193.94	10.90
08 71 11 00-0159 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	193.94	10.90
08 71 11 00-0160 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	193.94	10.90
08 71 11 00-0161 EA Painted Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM) .....	117.02	10.90
08 71 11 00-0162 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	158.23	10.90
08 71 11 00-0163 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	182.03	10.90
08 71 11 00-0164 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	182.03	10.90
08 71 11 00-0165 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	182.03	10.90
08 71 11 00-0166 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	182.03	10.90
08 71 11 00-0167 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	182.03	10.90
<b>08 71 11 00-0168 500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0145)</b>		
08 71 11 00-0169 EA Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM) .....	203.97	13.63
08 71 11 00-0170 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	216.78	13.63
08 71 11 00-0171 EA Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	216.78	13.63
08 71 11 00-0172 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	216.78	13.63
08 71 11 00-0173 EA Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	216.78	13.63
08 71 11 00-0174 EA Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	216.78	13.63
08 71 11 00-0175 EA Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	220.44	13.63
<b>08 71 11 00-0176 600 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0145)</b>		
08 71 11 00-0177 EA Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	175.59	13.63
08 71 11 00-0178 EA Satin Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM) .....	192.06	13.63
08 71 11 00-0179 EA Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	203.97	13.63
08 71 11 00-0180 EA Satin Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	203.97	13.63
08 71 11 00-0181 EA Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	203.97	13.63
08 71 11 00-0182 EA Dark Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM) .....	203.97	13.63
08 71 11 00-0183 EA Bright Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	203.97	13.63
<b>08 71 11 00-0184 700 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0145)</b>		
08 71 11 00-0185 EA Painted Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM) .....	399.00	13.63
08 71 11 00-0186 EA Satin Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM) .....	428.30	13.63
08 71 11 00-0187 EA Bright Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	475.01	13.63
08 71 11 00-0188 EA Satin Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	475.01	13.63
08 71 11 00-0189 EA Satin Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	475.01	13.63
08 71 11 00-0190 EA Dark Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM) .....	475.01	13.63
08 71 11 00-0191 EA Bright Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	475.01	13.63
<b>08 71 11 00-0192 Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0063)</b>		
<b>08 71 11 00-0193 Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0192)</b>		
<b>08 71 11 00-0194 500 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0193)</b>		
08 71 11 00-0195 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top) .....	238.78	13.63
08 71 11 00-0196 EA Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top) .....	281.79	13.63
08 71 11 00-0197 EA Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top) .....	316.60	13.63
08 71 11 00-0198 EA Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top) .....	316.60	13.63
08 71 11 00-0199 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top) .....	316.60	13.63
<b>08 71 11 00-0200 600 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0193)</b>		
08 71 11 00-0201 EA Painted Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top) .....	238.78	13.63
08 71 11 00-0202 EA Satin Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top) .....	281.79	13.63
08 71 11 00-0203 EA Bright Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top) .....	316.60	13.63



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0204	EA		Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	316.60	13.63
08 71 11 00-0205	EA		Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	316.60	13.63
<b>08 71 11 00-0206</b>			<b>700 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0193)</small>		
08 71 11 00-0207	EA		Painted Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	238.78	13.63
08 71 11 00-0208	EA		Satin Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	281.79	13.63
08 71 11 00-0209	EA		Bright Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	316.60	13.63
08 71 11 00-0210	EA		Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	316.60	13.63
08 71 11 00-0211	EA		Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	316.60	13.63
<b>08 71 11 00-0212</b>			<b>1,000 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0193)</small>		
08 71 11 00-0213	EA		Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	251.53	16.35
08 71 11 00-0214	EA		Satin Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	287.24	16.35
08 71 11 00-0215	EA		Bright Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	303.73	16.35
08 71 11 00-0216	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	303.73	16.35
08 71 11 00-0217	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	303.73	16.35
<b>08 71 11 00-0218</b>			<b>1,750 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0193)</small>		
08 71 11 00-0219	EA		Painted Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	251.53	16.35
08 71 11 00-0220	EA		Satin Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	287.24	16.35
08 71 11 00-0221	EA		Bright Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	303.73	16.35
08 71 11 00-0222	EA		Bright Brass Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	303.73	16.35
08 71 11 00-0223	EA		Satin Bronze Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	303.73	16.35
<b>08 71 11 00-0224</b>			<b>Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0192)</small>		
<b>08 71 11 00-0225</b>			<b>500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0224)</small>		
08 71 11 00-0226	EA		Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	246.08	13.63
08 71 11 00-0227	EA		Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	286.37	13.63
08 71 11 00-0228	EA		Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	298.28	13.63
08 71 11 00-0229	EA		Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	298.28	13.63
08 71 11 00-0230	EA		Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	298.28	13.63
<b>08 71 11 00-0231</b>			<b>600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0224)</small>		
08 71 11 00-0232	EA		Painted Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	246.08	13.63
08 71 11 00-0233	EA		Satin Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	286.37	13.63
08 71 11 00-0234	EA		Bright Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	298.28	13.63
08 71 11 00-0235	EA		Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	298.28	13.63
08 71 11 00-0236	EA		Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	298.28	13.63
<b>08 71 11 00-0237</b>			<b>700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0224)</small>		
08 71 11 00-0238	EA		Painted Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	246.08	13.63

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0239 EA Satin Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT) .....	286.37	13.63
08 71 11 00-0240 EA Bright Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT) .....	298.28	13.63
08 71 11 00-0241 EA Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT) .....	298.28	13.63
08 71 11 00-0242 EA Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT) .....	298.28	13.63
<b>08 71 11 00-0243 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0224)</b>		
08 71 11 00-0244 EA Painted Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT) .....	275.35	16.35
08 71 11 00-0245 EA Satin Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT) .....	316.54	16.35
08 71 11 00-0246 EA Bright Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT) .....	327.53	16.35
08 71 11 00-0247 EA Bright Brass Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT) .....	327.53	16.35
08 71 11 00-0248 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT) .....	327.53	16.35
<b>08 71 11 00-0249 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0224)</b>		
08 71 11 00-0250 EA Painted Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT) .....	275.35	16.35
08 71 11 00-0251 EA Satin Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT) .....	316.54	16.35
08 71 11 00-0252 EA Bright Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT) .....	327.53	16.35
08 71 11 00-0253 EA Bright Brass Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT) .....	327.53	16.35
08 71 11 00-0254 EA Satin Bronze Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT) .....	327.53	16.35
<b>08 71 11 00-0255 Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0192)</b>		
<b>08 71 11 00-0256 500 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0255)</b>		
08 71 11 00-0257 EA Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM) .....	274.48	13.63
08 71 11 00-0258 EA Satin Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM) .....	339.49	13.63
08 71 11 00-0259 EA Bright Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM) .....	364.21	13.63
08 71 11 00-0260 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM) .....	364.21	13.63
08 71 11 00-0261 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM) .....	364.21	13.63
<b>08 71 11 00-0262 600 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0255)</b>		
08 71 11 00-0263 EA Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM) .....	269.90	13.63
08 71 11 00-0264 EA Satin Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM) .....	286.37	13.63
08 71 11 00-0265 EA Bright Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM) .....	328.50	13.63
08 71 11 00-0266 EA Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM) .....	328.50	13.63
08 71 11 00-0267 EA Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM) .....	328.50	13.63
<b>08 71 11 00-0268 1,000 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0255)</b>		
08 71 11 00-0269 EA Painted Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM) .....	310.14	16.35
08 71 11 00-0270 EA Satin Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM) .....	344.94	16.35
08 71 11 00-0271 EA Bright Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM) .....	357.75	16.35
08 71 11 00-0272 EA Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM) .....	357.75	16.35
08 71 11 00-0273 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM) .....	357.75	16.35



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 71 11 00-0274</b> 1,750 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0255)</small>		
08 71 11 00-0275 EA Painted Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	439.25	16.35
08 71 11 00-0276 EA Satin Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	468.55	16.35
08 71 11 00-0277 EA Bright Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	480.46	16.35
08 71 11 00-0278 EA Bright Brass Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	480.46	16.35
08 71 11 00-0279 EA Satin Bronze Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	480.46	16.35
<b>08 71 11 00-0280</b> 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0062)</small>		
<b>08 71 11 00-0281</b> Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0280)</small>		
<b>08 71 11 00-0282</b> Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0281)</small>		
<b>08 71 11 00-0283</b> 400 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0282)</small>		
08 71 11 00-0284 EA Painted Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	281.79	13.63
08 71 11 00-0285 EA Satin Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	304.69	13.63
08 71 11 00-0286 EA Bright Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	322.08	13.63
08 71 11 00-0287 EA Bright Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	322.08	13.63
08 71 11 00-0288 EA Satin Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	322.08	13.63
<b>08 71 11 00-0289</b> 500 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0282)</small>		
08 71 11 00-0290 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	281.79	13.63
08 71 11 00-0291 EA Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	304.69	13.63
08 71 11 00-0292 EA Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	322.08	13.63
08 71 11 00-0293 EA Bright Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	322.08	13.63
08 71 11 00-0294 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	322.08	13.63
<b>08 71 11 00-0295</b> Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0281)</small>		
<b>08 71 11 00-0296</b> 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0295)</small>		
08 71 11 00-0297 EA Painted Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	292.78	13.63
08 71 11 00-0298 EA Satin Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	328.50	13.63
08 71 11 00-0299 EA Bright Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	345.90	13.63
08 71 11 00-0300 EA Bright Brass Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	345.90	13.63
08 71 11 00-0301 EA Satin Bronze Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	345.90	13.63
<b>08 71 11 00-0302</b> 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0295)</small>		
08 71 11 00-0303 EA Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	292.78	13.63
08 71 11 00-0304 EA Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	328.50	13.63
08 71 11 00-0305 EA Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	345.90	13.63
08 71 11 00-0306 EA Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	345.90	13.63
08 71 11 00-0307 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	345.90	13.63
<b>08 71 11 00-0308</b> Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0281)</small>		
<b>08 71 11 00-0309</b> 400 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0308)</small>		

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0310	EA		Painted Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	286.37	13.63
08 71 11 00-0311	EA		Satin Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	328.50	13.63
08 71 11 00-0312	EA		Bright Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	345.90	13.63
08 71 11 00-0313	EA		Bright Brass Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	345.90	13.63
08 71 11 00-0314	EA		Satin Bronze Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	345.90	13.63
<b>08 71 11 00-0315</b>			<b>500 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> (08 71 11 00-0308)		
08 71 11 00-0316	EA		Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	463.10	13.63
08 71 11 00-0317	EA		Satin Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	510.72	13.63
08 71 11 00-0318	EA		Bright Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	522.63	13.63
08 71 11 00-0319	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	522.63	13.63
08 71 11 00-0320	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	522.63	13.63
<b>08 71 11 00-0321</b>			<b>Center Hung Pivot Hinges</b> (08 71 11 00-0509)		
<b>08 71 11 00-0322</b>			<b>Top Mount, Center Hung Pivot Hinges</b> (08 71 11 00-0321)		
<b>08 71 11 00-0323</b>			<b>300 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges</b> (08 71 11 00-0322)		
08 71 11 00-0324	EA		Painted Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	146.32	10.90
08 71 11 00-0325	EA		Satin Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	158.23	10.90
08 71 11 00-0326	EA		Bright Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	158.23	10.90
08 71 11 00-0327	EA		Satin Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	158.23	10.90
08 71 11 00-0328	EA		Satin Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	158.23	10.90
08 71 11 00-0329	EA		Dark Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	158.23	10.90
08 71 11 00-0330	EA		Bright Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	158.23	10.90
<b>08 71 11 00-0331</b>			<b>500 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges</b> (08 71 11 00-0322)		
08 71 11 00-0332	EA		Painted Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	151.77	13.63
08 71 11 00-0333	EA		Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	163.68	13.63
08 71 11 00-0334	EA		Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	163.68	13.63
08 71 11 00-0335	EA		Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	163.68	13.63
08 71 11 00-0336	EA		Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	163.68	13.63
08 71 11 00-0337	EA		Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	163.68	13.63
08 71 11 00-0338	EA		Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	163.68	13.63
<b>08 71 11 00-0339</b>			<b>600 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges</b> (08 71 11 00-0322)		
08 71 11 00-0340	EA		Painted Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	151.77	13.63
08 71 11 00-0341	EA		Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	163.68	13.63
08 71 11 00-0342	EA		Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	163.68	13.63
08 71 11 00-0343	EA		Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	163.68	13.63
08 71 11 00-0344	EA		Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	163.68	13.63
08 71 11 00-0345	EA		Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	163.68	13.63
08 71 11 00-0346	EA		Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	163.68	13.63
<b>08 71 11 00-0347</b>			<b>1,000 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges</b> (08 71 11 00-0322)		
08 71 11 00-0348	EA		Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	239.63	16.35
08 71 11 00-0349	EA		Satin Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	279.93	16.35
08 71 11 00-0350	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	322.05	16.35
08 71 11 00-0351	EA		Satin Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	322.05	16.35
08 71 11 00-0352	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	322.05	16.35
08 71 11 00-0353	EA		Dark Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	322.05	16.35
08 71 11 00-0354	EA		Bright Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	322.05	16.35
<b>08 71 11 00-0355</b>			<b>Bottom Mount, Center Hung Pivot Hinges</b> (08 71 11 00-0321)		
<b>08 71 11 00-0356</b>			<b>300 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges</b> (08 71 11 00-0355)		
08 71 11 00-0357	EA		Painted Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	111.52	10.90
08 71 11 00-0358	EA		Satin Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	128.93	10.90
08 71 11 00-0359	EA		Bright Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	146.32	10.90
08 71 11 00-0360	EA		Satin Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	146.32	10.90





<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0361	EA		Satin Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	146.32	10.90
08 71 11 00-0362	EA		Dark Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	146.32	10.90
08 71 11 00-0363	EA		Bright Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	146.32	10.90
<b>08 71 11 00-0364</b>			<b>500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0355)</small>		
08 71 11 00-0365	EA		Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	163.68	13.63
08 71 11 00-0366	EA		Satin Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	169.17	13.63
08 71 11 00-0367	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	169.17	13.63
08 71 11 00-0368	EA		Satin Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	169.17	13.63
08 71 11 00-0369	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	169.17	13.63
08 71 11 00-0370	EA		Dark Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	169.17	13.63
08 71 11 00-0371	EA		Bright Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	169.17	13.63
08 71 11 00-0372	EA		Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	163.68	13.63
08 71 11 00-0373	EA		Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	169.17	13.63
08 71 11 00-0374	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	169.17	13.63
08 71 11 00-0375	EA		Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	169.17	13.63
08 71 11 00-0376	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	169.17	13.63
08 71 11 00-0377	EA		Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	169.17	13.63
08 71 11 00-0378	EA		Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	169.17	13.63
<b>08 71 11 00-0379</b>			<b>600 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0355)</small>		
08 71 11 00-0380	EA		Painted Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	328.50	13.63
08 71 11 00-0381	EA		Satin Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	345.90	13.63
08 71 11 00-0382	EA		Bright Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	364.21	13.63
08 71 11 00-0383	EA		Satin Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	364.21	13.63
08 71 11 00-0384	EA		Satin Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	364.21	13.63
08 71 11 00-0385	EA		Dark Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	364.21	13.63
08 71 11 00-0386	EA		Bright Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	364.21	13.63
<b>08 71 11 00-0387</b>			<b>1,000 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0355)</small>		
08 71 11 00-0388	EA		Painted Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	604.08	16.35
08 71 11 00-0389	EA		Satin Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	621.47	16.35
08 71 11 00-0390	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	645.29	16.35
08 71 11 00-0391	EA		Satin Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	645.29	16.35
08 71 11 00-0392	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	645.29	16.35
08 71 11 00-0393	EA		Dark Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	645.29	16.35
08 71 11 00-0394	EA		Bright Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	645.29	16.35
<b>08 71 11 00-0395</b>			<b>Continuous Barrel-Type Hinge</b> <small>(08 71 11 00-0001)</small>		
08 71 11 00-0396	LF		1-1/2" Wide, Steel, Continuous Barrel-Type Hinge.....	29.94	4.36
			<i>For Stainless Steel, Add</i>	6.88	
			<i>For Brass Or Nickel, Add</i>	7.51	
			<i>For Aluminum, Add</i>	2.45	
			<i>For Medium Gauge, Deduct</i>	-2.50	
08 71 11 00-0397	LF		2" Wide, Steel, Continuous Barrel-Type Hinge.....	30.77	4.36
			<i>For Stainless Steel, Add</i>	7.34	
			<i>For Brass Or Nickel, Add</i>	8.00	
			<i>For Aluminum, Add</i>	2.61	
			<i>For Medium Gauge, Deduct</i>	-2.67	
08 71 11 00-0398	LF		2-1/2" Wide, Steel, Continuous Barrel-Type Hinge.....	32.44	4.36
			<i>For Stainless Steel, Add</i>	8.26	
			<i>For Brass Or Nickel, Add</i>	9.01	
			<i>For Aluminum, Add</i>	2.94	
			<i>For Medium Gauge, Deduct</i>	-3.00	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0399 LF 3" Wide, Steel, Continuous Barrel-Type Hinge .....	34.33	4.36
For Stainless Steel, Add	9.30	
For Brass Or Nickel, Add	10.14	
For Aluminum, Add	3.31	
For Medium Gauge, Deduct	-3.38	
<b>08 71 11 00-0400 Continuous Geared Hinges</b> (08 71 11 00-0001)		
08 71 11 00-0401 LF Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053) .....	57.04	4.36
For Bronze Finish, Add	14.85	
For Heavy Duty, Add	10.58	
08 71 11 00-0402 LF Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057).....	61.67	4.36
For Bronze Finish, Add	16.59	
For Heavy Duty, Add	11.82	
08 71 11 00-0403 LF Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112).....	38.46	4.36
For Bronze Finish, Add	7.89	
08 71 11 00-0404 LF Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy Duty (Roton 780-112HD) .....	45.17	4.36
For Bronze Finish, Add	10.40	
<b>08 71 11 00-0405 Mortised, Primed Steel, Double Acting Spring Hinges</b> (08 71 11 00-0001)		
08 71 11 00-0406 PR 2", Mortised, Primed Steel, Double Acting Spring Hinge.....	111.13	7.62
For Satin Brass, Add	17.52	
08 71 11 00-0407 PR 3", Mortised, Primed Steel, Double Acting Spring Hinge.....	122.06	9.81
For Satin Brass, Add	17.52	
08 71 11 00-0408 PR 4", Mortised, Primed Steel, Double Acting Spring Hinge.....	136.93	11.98
For Satin Brass, Add	18.48	
08 71 11 00-0409 PR 5", Mortised, Primed Steel, Double Acting Spring Hinge.....	177.36	14.17
For Satin Brass, Add	25.57	
08 71 11 00-0410 PR 6", Mortised, Primed Steel, Double Acting Spring Hinge.....	199.06	16.35
For Satin Brass, Add	28.16	
08 71 11 00-0411 PR 7", Mortised, Primed Steel, Double Acting Spring Hinge.....	237.96	18.52
For Satin Brass, Add	34.88	
08 71 11 00-0412 PR 8", Mortised, Primed Steel, Double Acting Spring Hinge.....	317.29	51.77
For Satin Brass, Add	51.30	
<b>08 71 11 00-0413 Security Hinges</b> (08 71 11 00-0001)		
08 71 11 00-0414 EA 4-1/2" x 4-1/2", Non Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge .....	39.69	7.62
<b>08 71 11 00-0415 Concealed Circuit Electric Hinge Option</b> (08 71 11 00-0001)		
Note: Excludes the hinge. These tasks are used in conjunction with other hinges in the Construction Task Catalog® to electrify the hinge.		
08 71 11 00-0416 EA 4 Wire Concealed Circuit Electric Hinge Option.....	283.82	
08 71 11 00-0417 EA 6 Wire Concealed Circuit Electric Hinge Option.....	335.10	
08 71 11 00-0418 EA 8 Wire Concealed Circuit Electric Hinge Option.....	386.38	
<b>08 71 11 00-0419 Hinge Filler Plates For Door Frames</b> (08 71 11 00-0001)		
08 71 11 00-0420 PR Hinge Filler Plates For Door Frames.....	20.19	5.45
<b>08 71 11 00-0421 Door Trim</b> (08 71 11)		
<b>08 71 11 00-0422 Floor Stops, Wall Stops And Bumpers</b> (08 71 11 00-0421)		
<b>08 71 11 00-0423 Floor Stops</b> (08 71 11 00-0422)		
<b>08 71 11 00-0424 Aluminum Floor Stops</b> (08 71 11 00-0423)		
08 71 11 00-0425 EA 1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430) .....	30.23	13.63
08 71 11 00-0426 EA 1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436) .....	33.20	13.63
08 71 11 00-0427 EA 1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438) .....	34.34	13.63
08 71 11 00-0428 EA 2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441) .....	51.60	13.63
08 71 11 00-0429 EA 3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448).....	53.67	13.63
<b>08 71 11 00-0430 Brass Floor Stops</b> (08 71 11 00-0423)		
08 71 11 00-0431 EA 1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436) .....	33.62	13.63
08 71 11 00-0432 EA 1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436).....	34.76	13.63
08 71 11 00-0433 EA 1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436).....	34.76	13.63
08 71 11 00-0434 EA 1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436) .....	35.20	13.63
08 71 11 00-0435 EA 1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436).....	35.78	13.63
08 71 11 00-0436 EA 1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436) .....	35.78	13.63
08 71 11 00-0437 EA 1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436) .....	35.78	13.63
08 71 11 00-0438 EA 1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438) .....	34.34	13.63
08 71 11 00-0439 EA 1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438).....	36.06	13.63
08 71 11 00-0440 EA 1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438).....	36.06	13.63
08 71 11 00-0441 EA 1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	36.73	13.63
08 71 11 00-0442 EA 1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438).....	37.31	13.63
08 71 11 00-0443 EA 1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438) .....	37.31	13.63
08 71 11 00-0444 EA 1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438) .....	40.02	13.63



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0445 EA 1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13) .....	36.17	13.63
08 71 11 00-0446 EA 1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13) .....	36.17	13.63
08 71 11 00-0447 EA 1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13) .....	38.05	13.63
08 71 11 00-0448 EA 1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13) .....	38.05	13.63
08 71 11 00-0449 EA 1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13) .....	38.05	13.63
08 71 11 00-0450 EA 1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13) .....	38.05	13.63
08 71 11 00-0451 EA 1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17) .....	37.47	13.63
08 71 11 00-0452 EA 1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17) .....	37.47	13.63
08 71 11 00-0453 EA 1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17) .....	39.30	13.63
08 71 11 00-0454 EA 1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17) .....	39.30	13.63
08 71 11 00-0455 EA 1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17) .....	39.30	13.63
08 71 11 00-0456 EA 1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17) .....	39.30	13.63
08 71 11 00-0457 EA 2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441) .....	53.27	13.63
08 71 11 00-0458 EA 2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441) .....	54.08	13.63
08 71 11 00-0459 EA 2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441) .....	56.06	13.63
08 71 11 00-0460 EA 2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441) .....	57.66	13.63
08 71 11 00-0461 EA 2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441) .....	57.66	13.63
08 71 11 00-0462 EA 2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441) .....	64.18	13.63
08 71 11 00-0463 EA 2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441) .....	64.18	13.63
08 71 11 00-0464 EA 3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448) .....	61.76	13.63
08 71 11 00-0465 EA 3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448) .....	62.92	13.63
08 71 11 00-0466 EA 3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448) .....	62.92	13.63
08 71 11 00-0467 EA 3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448) .....	62.92	13.63
08 71 11 00-0468 EA 3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448) .....	62.92	13.63
08 71 11 00-0469 EA 3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448) .....	71.86	13.63
08 71 11 00-0470 EA 3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448) .....	71.86	13.63
08 71 11 00-0471 EA 1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430) .....	43.55	13.63
08 71 11 00-0472 EA 1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430) .....	45.04	13.63
08 71 11 00-0473 EA 1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430) .....	48.40	13.63
08 71 11 00-0474 EA 1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430) .....	48.40	13.63
08 71 11 00-0475 EA 1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430) .....	48.40	13.63
08 71 11 00-0476 EA 1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430) .....	49.40	13.63
08 71 11 00-0477 EA 2-1/4" Overall Height, Polished Or Satin Finish, Brass Floor Stop (Rockwood 481H) .....	65.27	13.63
<b>08 71 11 00-0478 Steel Floor Stops (08 71 11 00-0423)</b>		
08 71 11 00-0479 EA 2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434) .....	37.75	13.63
08 71 11 00-0480 EA 1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S) .....	93.02	13.63
Note: Includes drilling. Excludes Grout.		
08 71 11 00-0481 EA 3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L) .....	97.73	13.63
Note: Includes drilling. Excludes Grout.		
<b>08 71 11 00-0482 Wall Stops (08 71 11 00-0422)</b>		
<b>08 71 11 00-0483 Aluminum Wall Stops (08 71 11 00-0482)</b>		
08 71 11 00-0484 EA 3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60) .....	15.01	5.45
08 71 11 00-0485 EA 3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65) .....	21.92	8.18
<b>08 71 11 00-0486 Brass Wall Stops (08 71 11 00-0482)</b>		
08 71 11 00-0487 EA 3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60) .....	25.12	5.45
08 71 11 00-0488 EA 3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60) .....	25.12	5.45
08 71 11 00-0489 EA 3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60) .....	25.12	5.45
08 71 11 00-0490 EA 3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60) .....	29.53	5.45
08 71 11 00-0491 EA 3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60) .....	29.95	5.45
08 71 11 00-0492 EA 3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60) .....	29.95	5.45
08 71 11 00-0493 EA 3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60) .....	29.95	5.45
08 71 11 00-0494 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11) .....	68.93	8.18
08 71 11 00-0495 EA 3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11) .....	70.48	8.18
08 71 11 00-0496 EA 3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11) .....	70.48	8.18
08 71 11 00-0497 EA 3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11) .....	70.48	8.18
08 71 11 00-0498 EA 3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11) .....	70.48	8.18
08 71 11 00-0499 EA 3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11) .....	70.48	8.18
08 71 11 00-0500 EA 3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447) .....	57.97	8.18
08 71 11 00-0501 EA 3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447) .....	66.37	8.18
08 71 11 00-0502 EA 3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447) .....	66.37	8.18
08 71 11 00-0503 EA 3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447) .....	66.37	8.18
08 71 11 00-0504 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447) .....	66.37	8.18
08 71 11 00-0505 EA 3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447) .....	68.37	8.18
08 71 11 00-0506 EA 3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447) .....	68.37	8.18
08 71 11 00-0507 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33) .....	109.85	8.18
<b>08 71 11 00-0508 Steel Wall Stops (08 71 11 00-0482)</b>		
08 71 11 00-0509 EA 3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63) .....	11.76	5.45
<b>08 71 11 00-0510 Hinge Pin Door Stops (08 71 11 00-0422)</b>		
<b>08 71 11 00-0511 Aluminum Hinge Pin Door Stops (08 71 11 00-0510)</b>		

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0512 EA Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70).....	24.34	10.90
<b>08 71 11 00-0513 Brass Hinge Pin Door Stops (08 71 11 00-0510)</b>		
08 71 11 00-0514 EA Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72).....	24.83	10.90
08 71 11 00-0515 EA Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73).....	27.89	10.90
08 71 11 00-0516 EA Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70).....	35.27	10.90
08 71 11 00-0517 EA Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70).....	35.27	10.90
08 71 11 00-0518 EA Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70).....	35.27	10.90
08 71 11 00-0519 EA Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70).....	38.73	10.90
08 71 11 00-0520 EA Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70).....	38.73	10.90
08 71 11 00-0521 EA Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70).....	38.73	10.90
08 71 11 00-0522 EA Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70).....	38.73	10.90
<b>08 71 11 00-0523 Wall Bumpers (08 71 11 00-0422)</b>		
<b>08 71 11 00-0524 Brass Wall Bumpers (08 71 11 00-0523)</b>		
08 71 11 00-0525 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	32.07	13.63
08 71 11 00-0526 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	32.07	13.63
08 71 11 00-0527 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	32.07	13.63
08 71 11 00-0528 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	32.48	13.63
08 71 11 00-0529 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	32.48	13.63
08 71 11 00-0530 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	32.48	13.63
08 71 11 00-0531 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	32.48	13.63
08 71 11 00-0532 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	46.68	13.63
08 71 11 00-0533 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	50.53	13.63
08 71 11 00-0534 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	50.53	13.63
08 71 11 00-0535 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	50.53	13.63
08 71 11 00-0536 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	50.53	13.63
08 71 11 00-0537 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	50.53	13.63
08 71 11 00-0538 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402).....	51.39	13.63
<b>08 71 11 00-0539 Rubber Wall Bumpers (08 71 11 00-0523)</b>		
08 71 11 00-0540 EA 1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W).....	30.53	13.63
<b>08 71 11 00-0541 Cast Wall Bumpers (08 71 11 00-0523)</b>		
08 71 11 00-0542 EA 2-1/8" Base Diameter, Concave, Prison Version, Satin Chrome Finish, Cast, Wall Bumper (Trimco 1270CVPV).....	53.55	14.17
<i>For Owner Furnished Material, Deduct</i>	-26.31	
08 71 11 00-0543 EA 2-1/8" Base Diameter, Concave, Satin Chrome Finish, Cast, Wall Bumper (Trimco 1270CV).....	43.27	14.17
<i>For Owner Furnished Material, Deduct</i>	-16.03	
08 71 11 00-0544 EA 2-1/8" Base Diameter, Convex, Satin Chrome Finish, Cast Décor, Wall Bumper (Trimco 1278CX).....	47.20	14.17
<i>For Owner Furnished Material, Deduct</i>	-19.96	
<b>08 71 11 00-0545 Holders (08 71 11 00-0421)</b>		
<b>08 71 11 00-0546 Plunger Type Door Holders (08 71 11 00-0545)</b>		
<b>08 71 11 00-0547 Aluminum Plunger Type Door Holders (08 71 11 00-0546)</b>		
08 71 11 00-0548 EA Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153).....	72.75	8.18
<b>08 71 11 00-0549 Brass Plunger Type Door Holders (08 71 11 00-0546)</b>		
08 71 11 00-0550 EA Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154).....	118.09	8.18
08 71 11 00-0551 EA Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154).....	118.09	8.18
08 71 11 00-0552 EA Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154).....	118.09	8.18
08 71 11 00-0553 EA Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154).....	118.09	8.18
08 71 11 00-0554 EA Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154).....	118.09	8.18
08 71 11 00-0555 EA Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154).....	118.09	8.18
08 71 11 00-0556 EA Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154).....	118.09	8.18
<b>08 71 11 00-0557 Kick Down Door Holders (08 71 11 00-0545)</b>		
<b>08 71 11 00-0558 Aluminum Kick Down Door Holders (08 71 11 00-0557)</b>		



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0559 EA Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455).....	25.56	8.18
<b>08 71 11 00-0560 Brass Kick Down Door Holders (08 71 11 00-0557)</b>		
08 71 11 00-0561 EA Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455).....	53.75	8.18
08 71 11 00-0562 EA Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455).....	53.75	8.18
08 71 11 00-0563 EA Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....	53.75	8.18
08 71 11 00-0564 EA Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	61.11	8.18
08 71 11 00-0565 EA Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	61.11	8.18
08 71 11 00-0566 EA Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....	61.11	8.18
08 71 11 00-0567 EA Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455).....	62.96	8.18
<b>08 71 11 00-0568 Steel Kick Down Door Holders (08 71 11 00-0557)</b>		
08 71 11 00-0569 EA Steel Kick Down Door Holder (Ives FS44).....	31.25	8.18
<b>08 71 11 00-0570 Floor Mounted Door Holders (08 71 11 00-0545)</b>		
<b>08 71 11 00-0571 Brass Floor Mounted Door Holders (08 71 11 00-0570)</b>		
08 71 11 00-0572 EA Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	105.29	16.35
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0573 EA Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	105.29	16.35
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0574 EA Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	129.72	16.35
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0575 EA Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	129.72	16.35
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0576 EA Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	129.72	16.35
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0577 EA Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	129.72	16.35
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0578 EA Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491).....	101.16	16.35
Note: Includes FH MS / plastic anchors.		
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0579 EA Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491R).....	104.71	16.35
Note: Includes FH MS / lead anchors.		
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0580 EA Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491S).....	110.60	16.35
Note: Includes FH MS / lead anchors and bolts.		
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
<b>08 71 11 00-0581 Wall Mounted Door Holders (08 71 11 00-0545)</b>		
<b>08 71 11 00-0582 Aluminum Wall Mounted Door Holders (08 71 11 00-0581)</b>		
08 71 11 00-0583 EA 4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20).....	92.53	9.54
08 71 11 00-0584 EA Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40).....	136.15	16.35
<b>08 71 11 00-0585 Brass Wall Mounted Door Holders (08 71 11 00-0581)</b>		
08 71 11 00-0586 EA 3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	85.13	9.54
08 71 11 00-0587 EA 3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	98.37	9.54
08 71 11 00-0588 EA 3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	98.37	9.54
08 71 11 00-0589 EA 3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	98.37	9.54

**08 Openings****08 70 Hardware****08 71 Door Hardware**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-0590	EA	3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449) .....	98.37	9.54
08 71 11 00-0591	EA	3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	98.37	9.54
08 71 11 00-0592	EA	3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	101.48	9.54
08 71 11 00-0593	EA	4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	96.22	9.54
08 71 11 00-0594	EA	4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	114.29	9.54
08 71 11 00-0595	EA	4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20) .....	114.29	9.54
08 71 11 00-0596	EA	4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20) .....	114.29	9.54
08 71 11 00-0597	EA	4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20) .....	114.29	9.54
08 71 11 00-0598	EA	4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	114.29	9.54
08 71 11 00-0599	EA	Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	154.18	16.35
08 71 11 00-0600	EA	Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	162.30	16.35
08 71 11 00-0601	EA	Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40) .....	162.30	16.35
08 71 11 00-0602	EA	Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40).....	162.30	16.35
08 71 11 00-0603	EA	Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	162.30	16.35
08 71 11 00-0604	EA	Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	162.30	16.35
08 71 11 00-0605	EA	3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494).....	91.60	9.54
08 71 11 00-0606	EA	3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494R).....	95.15	9.54
		Note: Includes FH MS / lead anchors.		
08 71 11 00-0607	EA	3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494S).....	101.04	9.54
		Note: Includes FH MS / lead anchors and bolts.		
<b>08 71 11 00-0608</b>		<b>Overhead Door Holders</b> (08 71 11 00-0545)		
<b>08 71 11 00-0609</b>		<b>Surface Mounted, Overhead Door Holders</b> (08 71 11 00-0608)		
08 71 11 00-0610	EA	Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	479.27	27.24
		For Hold Open, Add	53.43	
08 71 11 00-0611	EA	Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	547.49	27.24
		For Hold Open, Add	63.28	
08 71 11 00-0612	EA	Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	547.49	27.24
		For Hold Open, Add	63.28	
08 71 11 00-0613	EA	Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81) .....	547.49	27.24
		For Hold Open, Add	63.28	
08 71 11 00-0614	EA	Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	545.17	27.24
		For Hold Open, Add	62.94	
<b>08 71 11 00-0615</b>		<b>Heavy Duty, Surface Mounted, Overhead Door Holders</b> (08 71 11 00-0608)		
		Note: With or without hold open feature.		
08 71 11 00-0616	EA	Heavy Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90) .....	376.26	27.24
08 71 11 00-0617	EA	Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	539.14	27.24
08 71 11 00-0618	EA	Heavy Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90) .....	610.13	27.24
08 71 11 00-0619	EA	Heavy Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90) .....	610.13	27.24
08 71 11 00-0620	EA	Heavy Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	610.13	27.24
<b>08 71 11 00-0621</b>		<b>Concealed Mounted, Overhead Door Holders</b> (08 71 11 00-0608)		
		Note: With or without hold open feature.		
08 71 11 00-0622	EA	Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100) .....	521.97	27.24
08 71 11 00-0623	EA	Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100) .....	521.97	27.24
08 71 11 00-0624	EA	Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100) .....	549.81	27.24
08 71 11 00-0625	EA	Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	573.47	27.24
08 71 11 00-0626	EA	Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100) .....	573.47	27.24
<b>08 71 11 00-0627</b>		<b>Silencers</b> (08 71 11 00-0421)		
08 71 11 00-0628	EA	Replacement Of Rubber Door Silencers.....	1.65	
		Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.		
08 71 11 00-0629	EA	Replacement Of Door Silencers for Metal Frames (Trimco 1229A).....	1.65	
		For Owner Furnished Material, Deduct	-0.29	
08 71 11 00-0630	EA	Replacement Of Door Silencers for Wood Frames (Trimco 1229B) .....	1.65	
		For Owner Furnished Material, Deduct	-0.29	
<b>08 71 11 00-0631</b>		<b>Bolts</b> (08 71 11 00-0421)		
<b>08 71 11 00-0632</b>		<b>Brass Surface Bolts</b> (08 71 11 00-0631)		
08 71 11 00-0633	EA	8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640).....	155.87	13.63
08 71 11 00-0634	EA	8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640).....	166.59	13.63
08 71 11 00-0635	EA	8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640).....	166.59	13.63
<b>08 71 11 00-0636</b>		<b>Steel Surface Bolts</b> (08 71 11 00-0631)		
08 71 11 00-0637	EA	8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	72.81	13.63
08 71 11 00-0638	EA	8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453) .....	72.81	13.63
08 71 11 00-0639	EA	8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453) .....	72.81	13.63
08 71 11 00-0640	EA	8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	82.18	13.63
08 71 11 00-0641	EA	8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	83.53	13.63
08 71 11 00-0642	EA	8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	86.20	13.63



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0643	EA 12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	84.85	13.63
08 71 11 00-0644	EA 12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	88.89	13.63
08 71 11 00-0645	EA 12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	94.25	13.63
08 71 11 00-0646	EA 12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	98.26	13.63
08 71 11 00-0647	EA 12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360).....	151.86	13.63
<b>08 71 11 00-0648</b>	<b>Door Viewer (08 71 11 00-0421)</b>		
<b>08 71 11 00-0649</b>	<b>Brass Door Viewer (08 71 11 00-0648)</b>		
08 71 11 00-0650	EA 120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700).....	40.02	13.63
08 71 11 00-0651	EA 120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700).....	40.02	13.63
08 71 11 00-0652	EA 120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700).....	40.02	13.63
08 71 11 00-0653	EA 150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696).....	46.01	13.63
08 71 11 00-0654	EA 150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696).....	46.01	13.63
08 71 11 00-0655	EA 150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696).....	46.01	13.63
08 71 11 00-0656	EA 190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	53.39	13.63
08 71 11 00-0657	EA 190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	53.39	13.63
<b>08 71 11 00-0658</b>	<b>Door Knockers (08 71 11 00-0421)</b>		
<b>08 71 11 00-0659</b>	<b>Brass Door Knockers (08 71 11 00-0658)</b>		
08 71 11 00-0660	EA 5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125).....	58.49	13.63
08 71 11 00-0661	EA 5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125).....	64.18	13.63
08 71 11 00-0662	EA 5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125).....	64.18	13.63
08 71 11 00-0663	EA 5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125).....	64.18	13.63
08 71 11 00-0664	EA 8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107).....	85.76	13.63
08 71 11 00-0665	EA 8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107).....	99.47	13.63
<b>08 71 11 00-0666</b>	<b>Hasps (08 71 11 00-0421)</b>		
08 71 11 00-0667	EA 3-1/4", Zinc Plated Finish, Steel Hasp Assembly.....	28.32	10.28
08 71 11 00-0668	EA 4-1/2", Zinc Plated Finish, Steel Hasp Assembly.....	30.17	10.90
08 71 11 00-0669	EA 6", Zinc Plated Finish, Steel Hasp Assembly.....	38.12	12.26
08 71 11 00-0670	EA 6", Zinc Plated Finish, Steel High Security Hasp Assembly.....	147.30	14.71
<b>08 71 11 00-0671</b>	<b>Flush Bolts (08 71 11 00-0421)</b>		
<b>08 71 11 00-0672</b>	<b>Flush Bolts For Metal Doors (08 71 11 00-0671)</b>		
<b>08 71 11 00-0673</b>	<b>Brass Flush Bolts For Metal Doors (08 71 11 00-0672)</b>		
<b>08 71 11 00-0674</b>	<b>Manual, Brass Flush Bolts For Metal Doors (08 71 11 00-0673)</b>		
	Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0675	EA Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458).....	56.73	13.63
<b>08 71 11 00-0676</b>	<b>Automatic, Brass Flush Bolts For Metal Doors (08 71 11 00-0673)</b>		
	Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0677	EA Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T).....	134.15	13.63
08 71 11 00-0678	EA Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B).....	134.15	13.63
08 71 11 00-0679	EA Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P).....	246.19	21.79
08 71 11 00-0680	EA Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32).....	240.74	19.07
08 71 11 00-0681	EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33).....	250.18	20.43
<b>08 71 11 00-0682</b>	<b>Constant Latching, Brass Flush Bolts For Metal Doors (08 71 11 00-0673)</b>		
	Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0683	EA Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T).....	132.97	13.63
08 71 11 00-0684	EA Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P).....	246.19	21.79
08 71 11 00-0685	EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52).....	240.74	19.07
08 71 11 00-0686	EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53).....	250.18	20.43
<b>08 71 11 00-0687</b>	<b>Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0672)</b>		
<b>08 71 11 00-0688</b>	<b>Automatic, Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0687)</b>		
	Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0689	EA Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T).....	134.15	13.63
08 71 11 00-0690	EA Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B).....	134.15	13.63
08 71 11 00-0691	EA Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P).....	246.19	21.79
08 71 11 00-0692	EA Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32).....	240.74	19.07
08 71 11 00-0693	EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33).....	250.18	20.43
<b>08 71 11 00-0694</b>	<b>Constant Latching, Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0687)</b>		
	Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0695	EA Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T).....	132.97	13.63

**08 Openings**

08 70 Hardware

08 71 Door Hardware



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0696 EA Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P) .....	246.19	21.79
08 71 11 00-0697 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52) .....	240.74	19.07
08 71 11 00-0698 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53).....	250.18	20.43
<b>08 71 11 00-0699 Flush Bolts For Wood Doors (08 71 11 00-0671)</b>		
<b>08 71 11 00-0700 Brass Flush Bolts For Wood Doors (08 71 11 00-0699)</b>		
<b>08 71 11 00-0701 Manual, Brass Flush Bolts For Wood Doors (08 71 11 00-0700)</b> Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0702 EA Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358).....	66.75	13.63
<b>08 71 11 00-0703 Automatic, Brass Flush Bolts For Wood Doors (08 71 11 00-0700)</b> Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0704 EA Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T) .....	139.38	13.63
08 71 11 00-0705 EA Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B) .....	139.38	13.63
08 71 11 00-0706 EA Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P) .....	257.44	21.79
08 71 11 00-0707 EA Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42) .....	251.99	19.07
<b>08 71 11 00-0708 Constant Latching, Brass Flush Bolts For Wood Doors (08 71 11 00-0700)</b> Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0709 EA Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T).....	138.33	13.63
08 71 11 00-0710 EA Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P) .....	257.44	21.79
08 71 11 00-0711 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62).....	251.99	19.07
<b>08 71 11 00-0712 Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0699)</b>		
<b>08 71 11 00-0713 Automatic, Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0712)</b> Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0714 EA Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T) .....	139.38	13.63
08 71 11 00-0715 EA Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B) .....	139.38	13.63
08 71 11 00-0716 EA Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P) .....	257.44	21.79
08 71 11 00-0717 EA Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42).....	251.99	19.07
<b>08 71 11 00-0718 Constant Latching, Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0712)</b> Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0719 EA Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T).....	138.33	13.63
08 71 11 00-0720 EA Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P) .....	257.44	21.79
08 71 11 00-0721 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62).....	251.99	19.07
<b>08 71 11 00-0722 Dust Proof Strikes (08 71 11 00-0671)</b>		
08 71 11 00-0723 EA Satin Brass Finish, Brass Dust Proof Strike (Ives DP1) .....	50.47	10.90
08 71 11 00-0724 EA Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1) .....	50.47	10.90
08 71 11 00-0725 EA Bright Brass Finish, Brass Dust Proof Strike (Ives DP1).....	50.47	10.90
08 71 11 00-0726 EA Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	50.47	10.90
08 71 11 00-0727 EA Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1) .....	50.47	10.90
08 71 11 00-0728 EA Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	57.96	10.90
08 71 11 00-0729 EA Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2) .....	57.96	10.90
08 71 11 00-0730 EA Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	57.96	10.90
08 71 11 00-0731 EA Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	57.96	10.90
08 71 11 00-0732 EA Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2) .....	57.96	10.90
<b>08 71 11 00-0733 Roller Bumpers (08 71 11 00-0421)</b>		
<b>08 71 11 00-0734 Brass Roller Bumpers (08 71 11 00-0733)</b>		
08 71 11 00-0735 EA 5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	52.31	8.18
08 71 11 00-0736 EA 5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470) .....	61.27	8.18
08 71 11 00-0737 EA 5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	61.27	8.18
08 71 11 00-0738 EA 4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	50.29	8.18
08 71 11 00-0739 EA 4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471) .....	57.12	8.18
08 71 11 00-0740 EA 4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	57.12	8.18
08 71 11 00-0741 EA 4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471) .....	57.12	8.18
08 71 11 00-0742 EA 6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	52.45	8.18
08 71 11 00-0743 EA 6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	57.28	8.18
08 71 11 00-0744 EA 6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	59.55	8.18
08 71 11 00-0745 EA 6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472) .....	59.55	8.18
08 71 11 00-0746 EA 6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472) .....	59.55	8.18
08 71 11 00-0747 EA 6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	59.55	8.18
08 71 11 00-0748 EA 6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	59.55	8.18
<b>08 71 11 00-0749 Other Door Trim (08 71 11 00-0421)</b>		





<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 71 11 00-0750 Coat And Hat Hooks</b> (08 71 11 00-0749)		
<b>08 71 11 00-0751 Aluminum Coat And Hat Hooks</b> (08 71 11 00-0750)		
08 71 11 00-0752 EA 1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581).....	18.86	8.18
08 71 11 00-0753 EA 1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581).....	18.86	8.18
08 71 11 00-0754 EA 1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581).....	19.03	8.18
08 71 11 00-0755 EA 1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571).....	18.75	8.18
08 71 11 00-0756 EA 1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571).....	18.75	8.18
08 71 11 00-0757 EA 1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571).....	18.75	8.18
08 71 11 00-0758 EA 1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571).....	19.03	8.18
08 71 11 00-0759 EA 1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	19.86	8.18
08 71 11 00-0760 EA 1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	19.86	8.18
08 71 11 00-0761 EA 1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	19.86	8.18
08 71 11 00-0762 EA 1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	19.86	8.18
08 71 11 00-0763 EA 1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405).....	19.86	8.18
<b>08 71 11 00-0764 Brass Coat And Hat Hooks</b> (08 71 11 00-0750)		
08 71 11 00-0765 EA 1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581).....	23.41	8.18
08 71 11 00-0766 EA 1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581).....	23.85	8.18
08 71 11 00-0767 EA 1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581).....	24.55	8.18
08 71 11 00-0768 EA 1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581).....	24.55	8.18
08 71 11 00-0769 EA 1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581).....	24.99	8.18
08 71 11 00-0770 EA 1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571).....	26.40	8.18
08 71 11 00-0771 EA 1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571).....	28.40	8.18
08 71 11 00-0772 EA 1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571).....	28.40	8.18
08 71 11 00-0773 EA 1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571).....	28.40	8.18
08 71 11 00-0774 EA 1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571).....	28.84	8.18
<b>08 71 11 00-0775 Cane Bolt</b> (08 71 11 00-0749)		
08 71 11 00-0776 EA 18" Cane Bolt With Padlock Eyes Welded To Bolt, Manual, Steel Bolt For Doors (Stanley 1009).....	31.33	10.90
<b>08 71 11 00-0777 Ball Catches</b> (08 71 11 00-0749)		
08 71 11 00-0778 EA Satin Brass Finish, Brass Adjustable Ball Catch (Ives 347).....	34.76	10.90
For Owner Furnished Material, Deduct	-12.97	
08 71 11 00-0779 EA Bright Brass Finish, Brass Adjustable Ball Catch (Ives 347).....	34.76	10.90
For Owner Furnished Material, Deduct	-12.97	
08 71 11 00-0780 EA Satin Nickel Finish, Brass Adjustable Ball Catch (Ives 347).....	36.11	10.90
For Owner Furnished Material, Deduct	-14.32	
08 71 11 00-0781 EA Satin Chrome Finish, Brass Adjustable Ball Catch (Ives 347).....	36.80	10.90
For Owner Furnished Material, Deduct	-15.01	
08 71 11 00-0782 EA Satin Bronze Finish, Brass Adjustable Ball Catch (Ives 347).....	36.80	10.90
For Owner Furnished Material, Deduct	-15.01	
08 71 11 00-0783 EA Dark Bronze Finish, Brass Adjustable Ball Catch (Ives 347).....	36.80	10.90
For Owner Furnished Material, Deduct	-15.01	
<b>08 71 11 00-0784 Other Door Trim</b> (08 71 11 00-0749)		
08 71 11 00-0785 EA Adapter Kit For Installation Of Cipher Locks On Metal Doors.....	98.32	13.63
For Owner Furnished Material, Deduct	-71.08	
08 71 11 00-0786 EA Push Or Pull Exit Paddle For Storefront Aluminum Door.....	128.01	27.24
Note: Aluminum with dark bronze or satin aluminum finish.		
For Owner Furnished Material, Deduct	-73.53	
08 71 11 00-0787 EA Public Toilet Lock.....	58.78	18.20
For Owner Furnished Material, Deduct	-31.54	
08 71 11 00-0788 EA Slide Latch Handle Mechanism For Toilet Stall Partition Doors.....	54.55	10.90
For Owner Furnished Material, Deduct	-32.76	
08 71 11 00-0789 EA Brass Entry Lockset Door Repair Cover, US3.....	91.24	13.63
For Owner Furnished Material, Deduct	-36.76	
08 71 11 00-0790 EA Stainless Steel Entry Lockset Door Repair Cover, US32D.....	92.04	13.63
For Owner Furnished Material, Deduct	-37.56	
08 71 11 00-0791 EA Brass Entry Deadlock Door Repair Cover, US3.....	77.72	13.63
For Owner Furnished Material, Deduct	-23.24	
08 71 11 00-0792 EA Latch Protector.....	31.62	10.90
For Owner Furnished Material, Deduct	-9.83	
<b>08 71 11 00-0793 Door Plates And Pulls</b> (08 71 11)		
<b>08 71 11 00-0794 Kick Plate</b> (08 71 11 00-0793)		
Note: Ives 8400.		
<b>08 71 11 00-0795 Aluminum Base Material Kick Plate</b> (08 71 11 00-0794)		
<b>08 71 11 00-0796 Satin Aluminum Finish, Aluminum Kick Plate</b> (08 71 11 00-0795)		
08 71 11 00-0797 EA 8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	54.86	8.18
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0798	EA		8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	56.91	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0799	EA		8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	58.90	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0800	EA		8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	60.92	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0801	EA		8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	65.16	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0802	EA		8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	67.13	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0803	EA		8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	69.15	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0804	EA		8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	71.17	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0805	EA		8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	75.36	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0806	EA		8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	77.38	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0807	EA		8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	79.38	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0808	EA		8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	83.60	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0809	EA		8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	85.62	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0810	EA		8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	87.62	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0811	EA		10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	60.44	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0812	EA		10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	62.97	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0813	EA		10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	65.45	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0814	EA		10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	67.98	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0815	EA		10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	72.70	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0816	EA		10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	75.21	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0817	EA		10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	77.74	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0818	EA		10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	80.25	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0819	EA		10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	84.95	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0820	EA		10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	87.46	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0821	EA		10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	89.99	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0822	EA		10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	94.70	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0823	EA		10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	97.18	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0824	EA		10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	99.71	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0825	EA		12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	65.98	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 71	11 00-0826	EA	12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.98 1.76 11.40	8.18
	08 71	11 00-0827	EA	12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.04 1.76 11.40	8.18
	08 71	11 00-0828	EA	12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.02 1.76 11.40	8.18
	08 71	11 00-0829	EA	12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.25 1.76 11.40	8.72
	08 71	11 00-0830	EA	12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.27 1.76 11.40	8.72
	08 71	11 00-0831	EA	12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.28 1.76 11.40	8.72
	08 71	11 00-0832	EA	12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.33 1.76 11.40	8.72
	08 71	11 00-0833	EA	12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.51 1.76 11.40	9.27
	08 71	11 00-0834	EA	12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.53 1.76 11.40	9.27
	08 71	11 00-0835	EA	12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.57 1.76 11.40	9.27
	08 71	11 00-0836	EA	12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.77 1.76 11.40	9.81
	08 71	11 00-0837	EA	12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.79 1.76 11.40	9.81
	08 71	11 00-0838	EA	12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.83 1.76 11.40	9.81
	08 71	11 00-0839	EA	14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.68 1.76 11.40	8.72
	08 71	11 00-0840	EA	14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.21 1.76 11.40	8.72
	08 71	11 00-0841	EA	14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.78 1.76 11.40	8.72
	08 71	11 00-0842	EA	14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.31 1.76 11.40	8.72
	08 71	11 00-0843	EA	14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.99 1.76 11.40	9.27
	08 71	11 00-0844	EA	14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.52 1.76 11.40	9.27
	08 71	11 00-0845	EA	14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.05 1.76 11.40	9.27
	08 71	11 00-0846	EA	14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.57 1.76 11.40	9.27
	08 71	11 00-0847	EA	14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.28 1.76 11.40	9.81
	08 71	11 00-0848	EA	14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.79 1.76 11.40	9.81
	08 71	11 00-0849	EA	14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.32 1.76 11.40	9.81
	08 71	11 00-0850	EA	14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.03 1.76 11.40	10.35
	08 71	11 00-0851	EA	14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.58 1.76 11.40	10.35
	08 71	11 00-0852	EA	14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.11 1.76 11.40	10.35
	08 71	11 00-0853	EA	16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.25 1.76 11.40	8.72

**08 Openings****08 70 Hardware**

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0854	EA		16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	83.27	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0855	EA		16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	87.33	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0856	EA		16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	91.35	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0857	EA		16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	93.52	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0858	EA		16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	101.60	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0859	EA		16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	105.64	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0860	EA		16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	109.65	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0861	EA		16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	115.85	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0862	EA		16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	119.91	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0863	EA		16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	123.93	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0864	EA		16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	130.13	10.35
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0865	EA		16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	134.17	10.35
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0866	EA		16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	138.23	10.35
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0867	EA		18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	87.98	8.72
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0868	EA		18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	92.81	8.72
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0869	EA		18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	97.64	8.72
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0870	EA		18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	102.47	8.72
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0871	EA		18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	109.44	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0872	EA		18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	114.27	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0873	EA		18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	119.10	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0874	EA		18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	123.93	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0875	EA		18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	130.94	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0876	EA		18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	135.77	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0877	EA		18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	140.60	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0878	EA		18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	147.61	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0879	EA		18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	152.44	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0880	EA		18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	157.27	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0881	EA		20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	96.05	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0882 EA 20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.41 6.30 11.40	9.27
08 71 11 00-0883 EA 20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.77 6.30 11.40	9.27
08 71 11 00-0884 EA 20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.14 6.30 11.40	9.27
08 71 11 00-0885 EA 20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.68 6.30 11.40	9.81
08 71 11 00-0886 EA 20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.04 6.30 11.40	9.81
08 71 11 00-0887 EA 20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.41 6.30 11.40	9.81
08 71 11 00-0888 EA 20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.77 6.30 11.40	9.81
08 71 11 00-0889 EA 20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.31 6.30 11.40	10.35
08 71 11 00-0890 EA 20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.68 6.30 11.40	10.35
08 71 11 00-0891 EA 20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.04 6.30 11.40	10.35
08 71 11 00-0892 EA 20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	161.58 6.30 11.40	10.90
08 71 11 00-0893 EA 20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.95 6.30 11.40	10.90
08 71 11 00-0894 EA 20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.31 6.30 11.40	10.90
08 71 11 00-0895 EA 22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.94 6.30 11.40	9.27
08 71 11 00-0896 EA 22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.84 6.30 11.40	9.27
08 71 11 00-0897 EA 22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.74 6.30 11.40	9.27
08 71 11 00-0898 EA 22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.64 6.30 11.40	9.27
08 71 11 00-0899 EA 22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.74 6.30 11.40	9.81
08 71 11 00-0900 EA 22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.63 6.30 11.40	9.81
08 71 11 00-0901 EA 22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.53 6.30 11.40	9.81
08 71 11 00-0902 EA 22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.43 6.30 11.40	9.81
08 71 11 00-0903 EA 22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.51 6.30 11.40	10.35
08 71 11 00-0904 EA 22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.40 6.30 11.40	10.35
08 71 11 00-0905 EA 22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.30 6.30 11.40	10.35
08 71 11 00-0906 EA 22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.38 6.30 11.40	10.90
08 71 11 00-0907 EA 22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.28 6.30 11.40	10.90
08 71 11 00-0908 EA 22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.17 6.30 11.40	10.90
08 71 11 00-0909 EA 24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.84 6.30 11.40	9.27

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0910	EA		24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	114.27	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0911	EA		24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	120.73	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0912	EA		24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	127.16	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0913	EA		24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	135.77	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0914	EA		24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	142.20	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0915	EA		24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	148.63	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0916	EA		24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	155.09	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0917	EA		24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	163.70	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0918	EA		24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	170.13	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0919	EA		24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	176.56	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0920	EA		24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	185.17	10.90
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0921	EA		24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	191.63	10.90
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0922	EA		24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	198.06	10.90
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0923			<b>Brass Base Material Kick Plate</b> (08 71 11 00-0794)		
08 71 11 00-0924			<b>Bright/Satin Brass Finish, Brass Kick Plate</b> (08 71 11 00-0923)		
08 71 11 00-0925	EA		8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	106.51	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0926	EA		8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	113.21	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0927	EA		8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	119.93	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0928	EA		8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	126.64	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0929	EA		8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	135.53	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0930	EA		8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	142.28	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0931	EA		8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	148.98	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0932	EA		8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	155.68	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0933	EA		8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	164.55	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0934	EA		8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	171.25	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0935	EA		8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	177.96	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0936	EA		8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	186.84	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0937	EA		8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	193.59	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0938	EA		8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	200.29	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0939	EA		10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.98 1.76 11.40	8.18
08 71 11 00-0940	EA		10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.34 1.76 11.40	8.18
08 71 11 00-0941	EA		10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.74 1.76 11.40	8.18
08 71 11 00-0942	EA		10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.13 1.76 11.40	8.18
08 71 11 00-0943	EA		10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.68 1.76 11.40	8.72
08 71 11 00-0944	EA		10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.08 1.76 11.40	8.72
08 71 11 00-0945	EA		10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	177.49 1.76 11.40	8.72
08 71 11 00-0946	EA		10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.87 1.76 11.40	8.72
08 71 11 00-0947	EA		10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.40 1.76 11.40	9.27
08 71 11 00-0948	EA		10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.81 1.76 11.40	9.27
08 71 11 00-0949	EA		10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.22 1.76 11.40	9.27
08 71 11 00-0950	EA		10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.76 1.76 11.40	9.81
08 71 11 00-0951	EA		10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	232.16 1.76 11.40	9.81
08 71 11 00-0952	EA		10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	240.55 1.76 11.40	9.81
08 71 11 00-0953	EA		12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.38 1.76 11.40	8.18
08 71 11 00-0954	EA		12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.49 1.76 11.40	8.18
08 71 11 00-0955	EA		12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.53 1.76 11.40	8.18
08 71 11 00-0956	EA		12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.60 1.76 11.40	8.18
08 71 11 00-0957	EA		12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.87 1.76 11.40	8.72
08 71 11 00-0958	EA		12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	195.94 1.76 11.40	8.72
08 71 11 00-0959	EA		12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	206.00 1.76 11.40	8.72
08 71 11 00-0960	EA		12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	216.04 1.76 11.40	8.72
08 71 11 00-0961	EA		12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	228.33 1.76 11.40	9.27
08 71 11 00-0962	EA		12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.37 1.76 11.40	9.27
08 71 11 00-0963	EA		12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.43 1.76 11.40	9.27
08 71 11 00-0964	EA		12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	260.68 1.76 11.40	9.81
08 71 11 00-0965	EA		12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.72 1.76 11.40	9.81
08 71 11 00-0966	EA		12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	280.83 1.76 11.40	9.81

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0967	EA		14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	164.06	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0968	EA		14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	175.79	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0969	EA		14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	187.53	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0970	EA		14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	199.30	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0971	EA		14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	213.22	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0972	EA		14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	224.96	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0973	EA		14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	236.69	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0974	EA		14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	248.43	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0975	EA		14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	262.36	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0976	EA		14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	274.10	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0977	EA		14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	285.83	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0978	EA		14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	299.75	10.35
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0979	EA		14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	311.52	10.35
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0980	EA		14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	323.27	10.35
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0981	EA		16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	229.38	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0982	EA		16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	247.10	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0983	EA		16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	264.78	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0984	EA		16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	282.43	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0985	EA		16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	302.28	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0986	EA		16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	319.98	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0987	EA		16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	337.68	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0988	EA		16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	355.31	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0989	EA		16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	375.22	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0990	EA		16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	392.92	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0991	EA		16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	410.60	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0992	EA		16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	430.43	10.35
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0993	EA		16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	448.11	10.35
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0994	EA		16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	465.81	10.35
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	





<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0995 EA 18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	253.31 6.30 11.40	8.72
08 71 11 00-0996 EA 18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	273.16 6.30 11.40	8.72
08 71 11 00-0997 EA 18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	292.99 6.30 11.40	8.72
08 71 11 00-0998 EA 18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	312.89 6.30 11.40	8.72
08 71 11 00-0999 EA 18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	334.90 6.30 11.40	9.27
08 71 11 00-1000 EA 18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	354.73 6.30 11.40	9.27
08 71 11 00-1001 EA 18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	374.63 6.30 11.40	9.27
08 71 11 00-1002 EA 18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	394.45 6.30 11.40	9.27
08 71 11 00-1003 EA 18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	416.53 6.30 11.40	9.81
08 71 11 00-1004 EA 18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	436.38 6.30 11.40	9.81
08 71 11 00-1005 EA 18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	456.20 6.30 11.40	9.81
08 71 11 00-1006 EA 18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	478.28 6.30 11.40	10.35
08 71 11 00-1007 EA 18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	498.11 6.30 11.40	10.35
08 71 11 00-1008 EA 18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	517.95 6.30 11.40	10.35
08 71 11 00-1009 EA 20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	279.75 6.30 11.40	9.27
08 71 11 00-1010 EA 20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	301.79 6.30 11.40	9.27
08 71 11 00-1011 EA 20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	323.88 6.30 11.40	9.27
08 71 11 00-1012 EA 20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	345.90 6.30 11.40	9.27
08 71 11 00-1013 EA 20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	370.17 6.30 11.40	9.81
08 71 11 00-1014 EA 20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	392.24 6.30 11.40	9.81
08 71 11 00-1015 EA 20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	414.29 6.30 11.40	9.81
08 71 11 00-1016 EA 20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	436.38 6.30 11.40	9.81
08 71 11 00-1017 EA 20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	460.58 6.30 11.40	10.35
08 71 11 00-1018 EA 20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	482.67 6.30 11.40	10.35
08 71 11 00-1019 EA 20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	504.74 6.30 11.40	10.35
08 71 11 00-1020 EA 20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	528.96 6.30 11.40	10.90
08 71 11 00-1021 EA 20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	551.05 6.30 11.40	10.90
08 71 11 00-1022 EA 20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	573.07 6.30 11.40	10.90

## 08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1023	EA		22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	304.03	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1024	EA		22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	328.27	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1025	EA		22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	352.54	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1026	EA		22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	376.82	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1027	EA		22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	403.26	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1028	EA		22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	427.55	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1029	EA		22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	451.81	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1030	EA		22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	476.10	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1031	EA		22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	502.52	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1032	EA		22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	526.78	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1033	EA		22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	551.07	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1034	EA		22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	577.51	10.90
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1035	EA		22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	601.80	10.90
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1036	EA		22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	626.01	10.90
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1037	EA		24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	328.27	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1038	EA		24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	354.73	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1039	EA		24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	381.24	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1040	EA		24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	407.72	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1041	EA		24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	436.38	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1042	EA		24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	462.84	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1043	EA		24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	489.32	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1044	EA		24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	517.25	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1045	EA		24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	544.44	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1046	EA		24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	570.89	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1047	EA		24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	597.37	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1048	EA		24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	626.01	10.90
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1049	EA		24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	652.54	10.90
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1050	EA		24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	679.00	10.90
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 71 11 00-1051 Bright/Satin Chrome Finish, Stainless Kick Plate</b> <small>(08 71 11 00-0923)</small>		
08 71 11 00-1052 EA 8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	114.32	8.18
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1053 EA 8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	121.74	8.18
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1054 EA 8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	129.17	8.18
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1055 EA 8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	136.59	8.18
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1056 EA 8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	146.20	8.72
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1057 EA 8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	153.60	8.72
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1058 EA 8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	161.03	8.72
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1059 EA 8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	168.45	8.72
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1060 EA 8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	178.04	9.27
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1061 EA 8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	185.49	9.27
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1062 EA 8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	192.91	9.27
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1063 EA 8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	202.52	9.81
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1064 EA 8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	209.94	9.81
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1065 EA 8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	217.36	9.81
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1066 EA 10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	134.74	8.18
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1067 EA 10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	144.01	8.18
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1068 EA 10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	153.29	8.18
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1069 EA 10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	162.56	8.18
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1070 EA 10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	174.05	8.72
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1071 EA 10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	183.32	8.72
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1072 EA 10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	192.59	8.72
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1073 EA 10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	201.87	8.72
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1074 EA 10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	213.31	9.27
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1075 EA 10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	222.58	9.27
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1076 EA 10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	231.86	9.27
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1077 EA 10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	243.31	9.81
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1078 EA 10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	252.58	9.81
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1079 EA 10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	261.86	9.81
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1080	EA		12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	155.14	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1081	EA		12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	166.26	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1082	EA		12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	177.43	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1083	EA		12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	188.55	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1084	EA		12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	201.87	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1085	EA		12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	213.01	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1086	EA		12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	224.14	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1087	EA		12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	235.26	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1088	EA		12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	248.55	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1089	EA		12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	259.68	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1090	EA		12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	270.82	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1091	EA		12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	284.13	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1092	EA		12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	295.29	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1093	EA		12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	306.42	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1094	EA		14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	177.72	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1095	EA		14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	190.74	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1096	EA		14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	203.74	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1097	EA		14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	216.71	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1098	EA		14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	231.86	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1099	EA		14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	244.85	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1100	EA		14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	257.83	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1101	EA		14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	270.82	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1102	EA		14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	286.02	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1103	EA		14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	298.99	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1104	EA		14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	311.97	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1105	EA		14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	303.73	10.35
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1106	EA		14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	340.12	10.35
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1107	EA		14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	353.11	10.35
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1108 EA 16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.56 1.76 11.40	8.72
08 71 11 00-1109 EA 16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.38 1.76 11.40	8.72
08 71 11 00-1110 EA 16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	292.16 1.76 11.40	8.72
08 71 11 00-1111 EA 16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	311.95 1.76 11.40	8.72
08 71 11 00-1112 EA 16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	333.91 1.76 11.40	9.27
08 71 11 00-1113 EA 16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	353.69 1.76 11.40	9.27
08 71 11 00-1114 EA 16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	373.51 1.76 11.40	9.27
08 71 11 00-1115 EA 16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	393.29 1.76 11.40	9.27
08 71 11 00-1116 EA 16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	415.26 1.76 11.40	9.81
08 71 11 00-1117 EA 16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	435.05 1.76 11.40	9.81
08 71 11 00-1118 EA 16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	454.83 1.76 11.40	9.81
08 71 11 00-1119 EA 16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	476.80 1.76 11.40	10.35
08 71 11 00-1120 EA 16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	496.59 1.76 11.40	10.35
08 71 11 00-1121 EA 16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	516.38 1.76 11.40	10.35
08 71 11 00-1122 EA 18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	279.07 6.30 11.40	8.72
08 71 11 00-1123 EA 18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	301.30 6.30 11.40	8.72
08 71 11 00-1124 EA 18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	323.47 6.30 11.40	8.72
08 71 11 00-1125 EA 18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	345.69 6.30 11.40	8.72
08 71 11 00-1126 EA 18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	370.04 6.30 11.40	9.27
08 71 11 00-1127 EA 18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	392.24 6.30 11.40	9.27
08 71 11 00-1128 EA 18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	414.44 6.30 11.40	9.27
08 71 11 00-1129 EA 18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	436.64 6.30 11.40	9.27
08 71 11 00-1130 EA 18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	460.99 6.30 11.40	9.81
08 71 11 00-1131 EA 18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	483.22 6.30 11.40	9.81
08 71 11 00-1132 EA 18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	505.44 6.30 11.40	9.81
08 71 11 00-1133 EA 18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	529.79 6.30 11.40	10.35
08 71 11 00-1134 EA 18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	552.02 6.30 11.40	10.35
08 71 11 00-1135 EA 18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	574.19 6.30 11.40	10.35

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1136	EA	20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	308.36	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1137	EA	20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	333.06	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1138	EA	20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	357.70	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1139	EA	20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	382.40	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1140	EA	20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	409.22	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1141	EA	20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	433.88	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1142	EA	20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	458.56	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1143	EA	20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	483.22	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1144	EA	20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	510.10	10.35	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1145	EA	20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	534.74	10.35	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1146	EA	20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	559.39	10.35	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1147	EA	20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	586.26	10.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1148	EA	20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	610.91	10.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1149	EA	20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	635.60	10.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1150	EA	22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	335.50	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1151	EA	22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	362.66	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1152	EA	22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	389.78	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1153	EA	22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	416.90	9.27	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1154	EA	22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	446.24	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1155	EA	22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	473.36	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1156	EA	22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	500.50	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1157	EA	22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	527.61	9.81	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1158	EA	22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	556.96	10.35	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1159	EA	22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	584.08	10.35	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1160	EA	22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	611.22	10.35	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1161	EA	22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	640.51	10.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1162	EA	22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	667.63	10.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1163	EA	22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	694.79	10.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 71 11 00-1164	EA		24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	362.66 6.30 11.40	9.27
	08 71 11 00-1165	EA		24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	392.24 6.30 11.40	9.27
	08 71 11 00-1166	EA		24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	421.84 6.30 11.40	9.27
	08 71 11 00-1167	EA		24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	451.44 6.30 11.40	9.27
	08 71 11 00-1168	EA		24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	483.22 6.30 11.40	9.81
	08 71 11 00-1169	EA		24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	512.82 6.30 11.40	9.81
	08 71 11 00-1170	EA		24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	542.46 6.30 11.40	9.81
	08 71 11 00-1171	EA		24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	572.01 6.30 11.40	9.81
	08 71 11 00-1172	EA		24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	603.79 6.30 11.40	10.35
	08 71 11 00-1173	EA		24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	633.42 6.30 11.40	10.35
	08 71 11 00-1174	EA		24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	663.01 6.30 11.40	10.35
	08 71 11 00-1175	EA		24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	694.79 6.30 11.40	10.90
	08 71 11 00-1176	EA		24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	724.39 6.30 11.40	10.90
	08 71 11 00-1177	EA		24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	753.99 6.30 11.40	10.90
	<b>08 71 11 00-1178</b>			<b>Satin/Dark Bronze Finish, Brass Kick Plate</b> <small>(08 71 11 00-0923)</small>		
	08 71 11 00-1179	EA		8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.57 1.76 11.40	8.18
	08 71 11 00-1180	EA		8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.07 1.76 11.40	8.18
	08 71 11 00-1181	EA		8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.64 1.76 11.40	8.18
	08 71 11 00-1182	EA		8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.14 1.76 11.40	8.18
	08 71 11 00-1183	EA		8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.90 1.76 11.40	8.72
	08 71 11 00-1184	EA		8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.42 1.76 11.40	8.72
	08 71 11 00-1185	EA		8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.97 1.76 11.40	8.72
	08 71 11 00-1186	EA		8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.49 1.76 11.40	8.72
	08 71 11 00-1187	EA		8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.16 1.76 11.40	9.27
	08 71 11 00-1188	EA		8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	187.73 1.76 11.40	9.27
	08 71 11 00-1189	EA		8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	195.25 1.76 11.40	9.27
	08 71 11 00-1190	EA		8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.98 1.76 11.40	9.81
	08 71 11 00-1191	EA		8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	212.50 1.76 11.40	9.81

## 08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1192	EA		8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.04 1.76 11.40	9.81
08 71 11 00-1193	EA		10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.27 1.76 11.40	8.18
08 71 11 00-1194	EA		10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.71 1.76 11.40	8.18
08 71 11 00-1195	EA		10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.10 1.76 11.40	8.18
08 71 11 00-1196	EA		10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.52 1.76 11.40	8.18
08 71 11 00-1197	EA		10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.12 1.76 11.40	8.72
08 71 11 00-1198	EA		10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.56 1.76 11.40	8.72
08 71 11 00-1199	EA		10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.95 1.76 11.40	8.72
08 71 11 00-1200	EA		10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.36 1.76 11.40	8.72
08 71 11 00-1201	EA		10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.97 1.76 11.40	9.27
08 71 11 00-1202	EA		10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	225.39 1.76 11.40	9.27
08 71 11 00-1203	EA		10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.78 1.76 11.40	9.27
08 71 11 00-1204	EA		10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	246.42 1.76 11.40	9.81
08 71 11 00-1205	EA		10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	255.81 1.76 11.40	9.81
08 71 11 00-1206	EA		10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	265.22 1.76 11.40	9.81
08 71 11 00-1207	EA		12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.99 1.76 11.40	8.18
08 71 11 00-1208	EA		12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.30 1.76 11.40	8.18
08 71 11 00-1209	EA		12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.58 1.76 11.40	8.18
08 71 11 00-1210	EA		12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.89 1.76 11.40	8.18
08 71 11 00-1211	EA		12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.36 1.76 11.40	8.72
08 71 11 00-1212	EA		12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.69 1.76 11.40	8.72
08 71 11 00-1213	EA		12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	227.00 1.76 11.40	8.72
08 71 11 00-1214	EA		12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.28 1.76 11.40	8.72
08 71 11 00-1215	EA		12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.76 1.76 11.40	9.27
08 71 11 00-1216	EA		12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	263.04 1.76 11.40	9.27
08 71 11 00-1217	EA		12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	274.33 1.76 11.40	9.27
08 71 11 00-1218	EA		12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	287.81 1.76 11.40	9.81
08 71 11 00-1219	EA		12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	299.14 1.76 11.40	9.81





<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1220	EA		12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	310.43 1.76 11.40	9.81
08 71 11 00-1221	EA		14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.88 1.76 11.40	8.72
08 71 11 00-1222	EA		14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.08 1.76 11.40	8.72
08 71 11 00-1223	EA		14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	206.26 1.76 11.40	8.72
08 71 11 00-1224	EA		14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	219.43 1.76 11.40	8.72
08 71 11 00-1225	EA		14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.78 1.76 11.40	9.27
08 71 11 00-1226	EA		14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	247.98 1.76 11.40	9.27
08 71 11 00-1227	EA		14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.15 1.76 11.40	9.27
08 71 11 00-1228	EA		14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	274.33 1.76 11.40	9.27
08 71 11 00-1229	EA		14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.71 1.76 11.40	9.81
08 71 11 00-1230	EA		14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	302.88 1.76 11.40	9.81
08 71 11 00-1231	EA		14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	316.06 1.76 11.40	9.81
08 71 11 00-1232	EA		14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	331.44 1.76 11.40	10.35
08 71 11 00-1233	EA		14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	344.66 1.76 11.40	10.35
08 71 11 00-1234	EA		14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	357.83 1.76 11.40	10.35
08 71 11 00-1235	EA		16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.04 1.76 11.40	8.72
08 71 11 00-1236	EA		16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.81 1.76 11.40	8.72
08 71 11 00-1237	EA		16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	291.55 1.76 11.40	8.72
08 71 11 00-1238	EA		16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	311.29 1.76 11.40	8.72
08 71 11 00-1239	EA		16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	333.20 1.76 11.40	9.27
08 71 11 00-1240	EA		16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	352.94 1.76 11.40	9.27
08 71 11 00-1241	EA		16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	372.70 1.76 11.40	9.27
08 71 11 00-1242	EA		16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	392.44 1.76 11.40	9.27
08 71 11 00-1243	EA		16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	414.36 1.76 11.40	9.81
08 71 11 00-1244	EA		16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	434.10 1.76 11.40	9.81
08 71 11 00-1245	EA		16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	453.84 1.76 11.40	9.81
08 71 11 00-1246	EA		16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	475.76 1.76 11.40	10.35
08 71 11 00-1247	EA		16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	495.50 1.76 11.40	10.35

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-1248	EA 16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	515.24 1.76 11.40	10.35
08 71 11 00-1249	EA 18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	278.49 6.30 11.40	8.72
08 71 11 00-1250	EA 18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	300.66 6.30 11.40	8.72
08 71 11 00-1251	EA 18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	322.78 6.30 11.40	8.72
08 71 11 00-1252	EA 18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	344.95 6.30 11.40	8.72
08 71 11 00-1253	EA 18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	369.24 6.30 11.40	9.27
08 71 11 00-1254	EA 18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	391.39 6.30 11.40	9.27
08 71 11 00-1255	EA 18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	413.54 6.30 11.40	9.27
08 71 11 00-1256	EA 18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	435.68 6.30 11.40	9.27
08 71 11 00-1257	EA 18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	459.99 6.30 11.40	9.81
08 71 11 00-1258	EA 18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	482.15 6.30 11.40	9.81
08 71 11 00-1259	EA 18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	504.32 6.30 11.40	9.81
08 71 11 00-1260	EA 18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	528.63 6.30 11.40	10.35
08 71 11 00-1261	EA 18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	550.80 6.30 11.40	10.35
08 71 11 00-1262	EA 18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	572.92 6.30 11.40	10.35
08 71 11 00-1263	EA 20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.71 6.30 11.40	9.27
08 71 11 00-1264	EA 20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	332.36 6.30 11.40	9.27
08 71 11 00-1265	EA 20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	356.93 6.30 11.40	9.27
08 71 11 00-1266	EA 20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	381.58 6.30 11.40	9.27
08 71 11 00-1267	EA 20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	408.33 6.30 11.40	9.81
08 71 11 00-1268	EA 20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	432.93 6.30 11.40	9.81
08 71 11 00-1269	EA 20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	457.56 6.30 11.40	9.81
08 71 11 00-1270	EA 20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	482.15 6.30 11.40	9.81
08 71 11 00-1271	EA 20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	508.98 6.30 11.40	10.35
08 71 11 00-1272	EA 20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	533.56 6.30 11.40	10.35
08 71 11 00-1273	EA 20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	558.16 6.30 11.40	10.35
08 71 11 00-1274	EA 20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	584.96 6.30 11.40	10.90
08 71 11 00-1275	EA 20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	609.56 6.30 11.40	10.90



<b>Openings</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>
<b>Door Hardware</b>	<b>08 71</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1276	EA		20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	634.18 6.30 11.40	10.90
08 71 11 00-1277	EA		22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	334.79 6.30 11.40	9.27
08 71 11 00-1278	EA		22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	361.88 6.30 11.40	9.27
08 71 11 00-1279	EA		22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	388.94 6.30 11.40	9.27
08 71 11 00-1280	EA		22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	415.99 6.30 11.40	9.27
08 71 11 00-1281	EA		22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	445.27 6.30 11.40	9.81
08 71 11 00-1282	EA		22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	472.32 6.30 11.40	9.81
08 71 11 00-1283	EA		22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	499.39 6.30 11.40	9.81
08 71 11 00-1284	EA		22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	526.45 6.30 11.40	9.81
08 71 11 00-1285	EA		22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	555.73 6.30 11.40	10.35
08 71 11 00-1286	EA		22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	582.78 6.30 11.40	10.35
08 71 11 00-1287	EA		22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	609.85 6.30 11.40	10.35
08 71 11 00-1288	EA		22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	639.09 6.30 11.40	10.90
08 71 11 00-1289	EA		22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	666.14 6.30 11.40	10.90
08 71 11 00-1290	EA		22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	693.24 6.30 11.40	10.90
08 71 11 00-1291	EA		24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	361.88 6.30 11.40	9.27
08 71 11 00-1292	EA		24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	391.39 6.30 11.40	9.27
08 71 11 00-1293	EA		24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	420.92 6.30 11.40	9.27
08 71 11 00-1294	EA		24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	450.45 6.30 11.40	9.27
08 71 11 00-1295	EA		24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	482.15 6.30 11.40	9.81
08 71 11 00-1296	EA		24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	511.68 6.30 11.40	9.81
08 71 11 00-1297	EA		24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	541.26 6.30 11.40	9.81
08 71 11 00-1298	EA		24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	570.74 6.30 11.40	9.81
08 71 11 00-1299	EA		24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	602.45 6.30 11.40	10.35
08 71 11 00-1300	EA		24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	632.00 6.30 11.40	10.35
08 71 11 00-1301	EA		24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	661.53 6.30 11.40	10.35
08 71 11 00-1302	EA		24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	693.24 6.30 11.40	10.90
08 71 11 00-1303	EA		24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	722.76 6.30 11.40	10.90

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-1304	EA	24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	752.29 6.30 11.40	10.90
<b>08 71 11 00-1305 Satin Nickel Finish, Stainless Kick Plate</b> <small>(08 71 11 00-0923)</small>				
08 71 11 00-1306	EA	8" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.35 1.76 11.40	8.18
08 71 11 00-1307	EA	8" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.01 1.76 11.40	8.18
08 71 11 00-1308	EA	8" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.74 1.76 11.40	8.18
08 71 11 00-1309	EA	8" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.40 1.76 11.40	8.18
08 71 11 00-1310	EA	8" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.32 1.76 11.40	8.72
08 71 11 00-1311	EA	8" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.00 1.76 11.40	8.72
08 71 11 00-1312	EA	8" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.71 1.76 11.40	8.72
08 71 11 00-1313	EA	8" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.39 1.76 11.40	8.72
08 71 11 00-1314	EA	8" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.22 1.76 11.40	9.27
08 71 11 00-1315	EA	8" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.95 1.76 11.40	9.27
08 71 11 00-1316	EA	8" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.64 1.76 11.40	9.27
08 71 11 00-1317	EA	8" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	208.52 1.76 11.40	9.81
08 71 11 00-1318	EA	8" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	216.21 1.76 11.40	9.81
08 71 11 00-1319	EA	8" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.91 1.76 11.40	9.81
08 71 11 00-1320	EA	10" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.49 1.76 11.40	8.18
08 71 11 00-1321	EA	10" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.13 1.76 11.40	8.18
08 71 11 00-1322	EA	10" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.72 1.76 11.40	8.18
08 71 11 00-1323	EA	10" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.34 1.76 11.40	8.18
08 71 11 00-1324	EA	10" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.14 1.76 11.40	8.72
08 71 11 00-1325	EA	10" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.78 1.76 11.40	8.72
08 71 11 00-1326	EA	10" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.38 1.76 11.40	8.72
08 71 11 00-1327	EA	10" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	207.99 1.76 11.40	8.72
08 71 11 00-1328	EA	10" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	219.80 1.76 11.40	9.27
08 71 11 00-1329	EA	10" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	229.42 1.76 11.40	9.27
08 71 11 00-1330	EA	10" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	239.01 1.76 11.40	9.27
08 71 11 00-1331	EA	10" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	250.85 1.76 11.40	9.81



<b>Openings</b>	<b>08</b>
Hardware	08 70
Door Hardware	08 71

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1332	EA	10" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	260.45	9.81	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1333	EA	10" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	270.06	9.81	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1334	EA	12" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	159.65	8.18	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1335	EA	12" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	171.20	8.18	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1336	EA	12" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	182.73	8.18	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1337	EA	12" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	194.28	8.18	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1338	EA	12" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	207.99	8.72	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1339	EA	12" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	219.56	8.72	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1340	EA	12" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	231.11	8.72	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1341	EA	12" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	242.64	8.72	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1342	EA	12" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	256.36	9.27	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1343	EA	12" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	267.88	9.27	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1344	EA	12" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	279.41	9.27	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1345	EA	12" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	293.13	9.81	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1346	EA	12" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	304.71	9.81	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1347	EA	12" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	316.23	9.81	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1348	EA	14" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	182.99	8.72	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1349	EA	14" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	196.47	8.72	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1350	EA	14" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate .....	209.92	8.72	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1351	EA	14" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	223.38	8.72	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1352	EA	14" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	239.01	9.27	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1353	EA	14" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	252.49	9.27	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1354	EA	14" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	265.95	9.27	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1355	EA	14" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	279.41	9.27	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1356	EA	14" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	295.07	9.81	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1357	EA	14" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	308.53	9.81	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1358	EA	14" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	321.98	9.81	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1359	EA	14" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	337.64	10.35	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1360	EA		14" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	351.15	10.35
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1361	EA		14" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	364.61	10.35
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1362	EA		16" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	256.69	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1363	EA		16" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	276.88	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1364	EA		16" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	297.04	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1365	EA		16" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	317.20	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1366	EA		16" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	339.54	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1367	EA		16" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	359.70	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1368	EA		16" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	379.88	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1369	EA		16" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	400.05	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1370	EA		16" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	422.39	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1371	EA		16" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	442.55	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1372	EA		16" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	462.71	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1373	EA		16" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	485.06	10.35
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1374	EA		16" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	505.22	10.35
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1375	EA		16" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	525.38	10.35
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1376	EA		18" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	283.70	8.72
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1377	EA		18" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	306.35	8.72
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1378	EA		18" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	328.94	8.72
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1379	EA		18" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	351.59	8.72
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1380	EA		18" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	376.35	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1381	EA		18" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	398.97	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1382	EA		18" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	421.59	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1383	EA		18" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	444.21	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1384	EA		18" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	468.99	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1385	EA		18" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	491.63	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1386	EA		18" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	514.28	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1387	EA		18" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate .....	539.05	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1388	EA			18" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	561.70 6.30 11.40	10.35
08 71 11 00-1389	EA			18" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	584.30 6.30 11.40	10.35
08 71 11 00-1390	EA			20" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	313.50 6.30 11.40	9.27
08 71 11 00-1391	EA			20" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	338.68 6.30 11.40	9.27
08 71 11 00-1392	EA			20" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	363.78 6.30 11.40	9.27
08 71 11 00-1393	EA			20" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	388.95 6.30 11.40	9.27
08 71 11 00-1394	EA			20" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	416.23 6.30 11.40	9.81
08 71 11 00-1395	EA			20" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	441.36 6.30 11.40	9.81
08 71 11 00-1396	EA			20" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	466.51 6.30 11.40	9.81
08 71 11 00-1397	EA			20" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	491.63 6.30 11.40	9.81
08 71 11 00-1398	EA			20" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	518.99 6.30 11.40	10.35
08 71 11 00-1399	EA			20" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	544.09 6.30 11.40	10.35
08 71 11 00-1400	EA			20" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	569.22 6.30 11.40	10.35
08 71 11 00-1401	EA			20" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	596.54 6.30 11.40	10.90
08 71 11 00-1402	EA			20" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	621.67 6.30 11.40	10.90
08 71 11 00-1403	EA			20" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	646.82 6.30 11.40	10.90
08 71 11 00-1404	EA			22" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	341.16 6.30 11.40	9.27
08 71 11 00-1405	EA			22" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	368.84 6.30 11.40	9.27
08 71 11 00-1406	EA			22" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	396.47 6.30 11.40	9.27
08 71 11 00-1407	EA			22" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	424.10 6.30 11.40	9.27
08 71 11 00-1408	EA			22" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	453.96 6.30 11.40	9.81
08 71 11 00-1409	EA			22" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	481.59 6.30 11.40	9.81
08 71 11 00-1410	EA			22" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	509.24 6.30 11.40	9.81
08 71 11 00-1411	EA			22" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	536.87 6.30 11.40	9.81
08 71 11 00-1412	EA			22" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	566.73 6.30 11.40	10.35
08 71 11 00-1413	EA			22" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	594.36 6.30 11.40	10.35
08 71 11 00-1414	EA			22" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	622.02 6.30 11.40	10.35
08 71 11 00-1415	EA			22" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	651.83 6.30 11.40	10.90

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1416	EA		22" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	679.46 6.30 11.40	10.90
08 71 11 00-1417	EA		22" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	707.14 6.30 11.40	10.90
08 71 11 00-1418	EA		24" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	368.84 6.30 11.40	9.27
08 71 11 00-1419	EA		24" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	398.97 6.30 11.40	9.27
08 71 11 00-1420	EA		24" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	429.13 6.30 11.40	9.27
08 71 11 00-1421	EA		24" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	459.29 6.30 11.40	9.27
08 71 11 00-1422	EA		24" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	491.63 6.30 11.40	9.81
08 71 11 00-1423	EA		24" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	521.79 6.30 11.40	9.81
08 71 11 00-1424	EA		24" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	552.00 6.30 11.40	9.81
08 71 11 00-1425	EA		24" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	582.12 6.30 11.40	9.81
08 71 11 00-1426	EA		24" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	614.46 6.30 11.40	10.35
08 71 11 00-1427	EA		24" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	644.64 6.30 11.40	10.35
08 71 11 00-1428	EA		24" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	674.80 6.30 11.40	10.35
08 71 11 00-1429	EA		24" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	707.14 6.30 11.40	10.90
08 71 11 00-1430	EA		24" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	737.30 6.30 11.40	10.90
08 71 11 00-1431	EA		24" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	767.46 6.30 11.40	10.90
08 71 11 00-1432			<b>Stainless Base Material Kick Plate</b> (08 71 11 00-0794)		
08 71 11 00-1433			<b>Satin Stainless Finish, Stainless Kick Plate</b> (08 71 11 00-1432)		
08 71 11 00-1434	EA		8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.07 1.76 11.40	8.18
08 71 11 00-1435	EA		8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.41 1.76 11.40	8.18
08 71 11 00-1436	EA		8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.67 1.76 11.40	8.18
08 71 11 00-1437	EA		8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.04 1.76 11.40	8.18
08 71 11 00-1438	EA		8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.52 1.76 11.40	8.72
08 71 11 00-1439	EA		8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.79 1.76 11.40	8.72
08 71 11 00-1440	EA		8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.15 1.76 11.40	8.72
08 71 11 00-1441	EA		8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.44 1.76 11.40	8.72
08 71 11 00-1442	EA		8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.93 1.76 11.40	9.27
08 71 11 00-1443	EA		8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.24 1.76 11.40	9.27
08 71 11 00-1444	EA		8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.53 1.76 11.40	9.27





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1445	EA			8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.03 1.76 11.40	9.81
08 71 11 00-1446	EA			8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.34 1.76 11.40	9.81
08 71 11 00-1447	EA			8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.64 1.76 11.40	9.81
08 71 11 00-1448	EA			10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.42 1.76 11.40	8.18
08 71 11 00-1449	EA			10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.33 1.76 11.40	8.18
08 71 11 00-1450	EA			10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.22 1.76 11.40	8.18
08 71 11 00-1451	EA			10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.08 1.76 11.40	8.18
08 71 11 00-1452	EA			10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.18 1.76 11.40	8.72
08 71 11 00-1453	EA			10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.07 1.76 11.40	8.72
08 71 11 00-1454	EA			10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.94 1.76 11.40	8.72
08 71 11 00-1455	EA			10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.80 1.76 11.40	8.72
08 71 11 00-1456	EA			10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.91 1.76 11.40	9.27
08 71 11 00-1457	EA			10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.77 1.76 11.40	9.27
08 71 11 00-1458	EA			10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.64 1.76 11.40	9.27
08 71 11 00-1459	EA			10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.73 1.76 11.40	9.81
08 71 11 00-1460	EA			10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.62 1.76 11.40	9.81
08 71 11 00-1461	EA			10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.48 1.76 11.40	9.81
08 71 11 00-1462	EA			12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.79 1.76 11.40	8.18
08 71 11 00-1463	EA			12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.25 1.76 11.40	8.18
08 71 11 00-1464	EA			12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.71 1.76 11.40	8.18
08 71 11 00-1465	EA			12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.17 1.76 11.40	8.18
08 71 11 00-1466	EA			12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.80 1.76 11.40	8.72
08 71 11 00-1467	EA			12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.29 1.76 11.40	8.72
08 71 11 00-1468	EA			12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.73 1.76 11.40	8.72
08 71 11 00-1469	EA			12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.21 1.76 11.40	8.72
08 71 11 00-1470	EA			12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.82 1.76 11.40	9.27
08 71 11 00-1471	EA			12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.30 1.76 11.40	9.27
08 71 11 00-1472	EA			12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.79 1.76 11.40	9.27

## 08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1473	EA		12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.41 1.76 11.40	9.81
08 71 11 00-1474	EA		12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.89 1.76 11.40	9.81
08 71 11 00-1475	EA		12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.33 1.76 11.40	9.81
08 71 11 00-1476	EA		14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.33 1.76 11.40	8.72
08 71 11 00-1477	EA		14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.36 1.76 11.40	8.72
08 71 11 00-1478	EA		14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.42 1.76 11.40	8.72
08 71 11 00-1479	EA		14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.46 1.76 11.40	8.72
08 71 11 00-1480	EA		14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.64 1.76 11.40	9.27
08 71 11 00-1481	EA		14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.70 1.76 11.40	9.27
08 71 11 00-1482	EA		14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.73 1.76 11.40	9.27
08 71 11 00-1483	EA		14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.79 1.76 11.40	9.27
08 71 11 00-1484	EA		14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.03 1.76 11.40	9.81
08 71 11 00-1485	EA		14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.01 1.76 11.40	9.81
08 71 11 00-1486	EA		14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.07 1.76 11.40	9.81
08 71 11 00-1487	EA		14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.31 1.76 11.40	10.35
08 71 11 00-1488	EA		14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.34 1.76 11.40	10.35
08 71 11 00-1489	EA		14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.40 1.76 11.40	10.35
08 71 11 00-1490	EA		16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.00 1.76 11.40	8.72
08 71 11 00-1491	EA		16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.16 1.76 11.40	8.72
08 71 11 00-1492	EA		16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.11 1.76 11.40	8.72
08 71 11 00-1493	EA		16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.04 1.76 11.40	8.72
08 71 11 00-1494	EA		16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.14 1.76 11.40	9.27
08 71 11 00-1495	EA		16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.09 1.76 11.40	9.27
08 71 11 00-1496	EA		16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.04 1.76 11.40	9.27
08 71 11 00-1497	EA		16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.97 1.76 11.40	9.27
08 71 11 00-1498	EA		16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.08 1.76 11.40	9.81
08 71 11 00-1499	EA		16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.06 1.76 11.40	9.81
08 71 11 00-1500	EA		16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.01 1.76 11.40	9.81



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	11 00-1501	EA	16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.53 1.76 11.40	10.35
08 71	11 00-1502	EA	16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.04 1.76 11.40	10.35
08 71	11 00-1503	EA	16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.00 1.76 11.40	10.35
08 71	11 00-1504	EA	18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.64 6.30 11.40	8.72
08 71	11 00-1505	EA	18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.10 6.30 11.40	8.72
08 71	11 00-1506	EA	18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.51 6.30 11.40	8.72
08 71	11 00-1507	EA	18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.94 6.30 11.40	8.72
08 71	11 00-1508	EA	18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.57 6.30 11.40	9.27
08 71	11 00-1509	EA	18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.98 6.30 11.40	9.27
08 71	11 00-1510	EA	18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.41 6.30 11.40	9.27
08 71	11 00-1511	EA	18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.82 6.30 11.40	9.27
08 71	11 00-1512	EA	18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.46 6.30 11.40	9.81
08 71	11 00-1513	EA	18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.89 6.30 11.40	9.81
08 71	11 00-1514	EA	18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.30 6.30 11.40	9.81
08 71	11 00-1515	EA	18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.94 6.30 11.40	10.35
08 71	11 00-1516	EA	18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.39 6.30 11.40	10.35
08 71	11 00-1517	EA	18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.80 6.30 11.40	10.35
08 71	11 00-1518	EA	20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.46 6.30 11.40	9.27
08 71	11 00-1519	EA	20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.49 6.30 11.40	9.27
08 71	11 00-1520	EA	20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.54 6.30 11.40	9.27
08 71	11 00-1521	EA	20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.55 6.30 11.40	9.27
08 71	11 00-1522	EA	20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.78 6.30 11.40	9.81
08 71	11 00-1523	EA	20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.83 6.30 11.40	9.81
08 71	11 00-1524	EA	20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.84 6.30 11.40	9.81
08 71	11 00-1525	EA	20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.89 6.30 11.40	9.81
08 71	11 00-1526	EA	20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.10 6.30 11.40	10.35
08 71	11 00-1527	EA	20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.15 6.30 11.40	10.35
08 71	11 00-1528	EA	20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.20 6.30 11.40	10.35

## 08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1529	EA		20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.39 6.30 11.40	10.90
08 71 11 00-1530	EA		20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.44 6.30 11.40	10.90
08 71 11 00-1531	EA		20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.47 6.30 11.40	10.90
08 71 11 00-1532	EA		22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.09 6.30 11.40	9.27
08 71 11 00-1533	EA		22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.76 6.30 11.40	9.27
08 71 11 00-1534	EA		22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.36 6.30 11.40	9.27
08 71 11 00-1535	EA		22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.03 6.30 11.40	9.27
08 71 11 00-1536	EA		22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.81 6.30 11.40	9.81
08 71 11 00-1537	EA		22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.48 6.30 11.40	9.81
08 71 11 00-1538	EA		22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.11 6.30 11.40	9.81
08 71 11 00-1539	EA		22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.76 6.30 11.40	9.81
08 71 11 00-1540	EA		22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.56 6.30 11.40	10.35
08 71 11 00-1541	EA		22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.21 6.30 11.40	10.35
08 71 11 00-1542	EA		22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.88 6.30 11.40	10.35
08 71 11 00-1543	EA		22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	189.66 6.30 11.40	10.90
08 71 11 00-1544	EA		22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.33 6.30 11.40	10.90
08 71 11 00-1545	EA		22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.93 6.30 11.40	10.90
08 71 11 00-1546	EA		24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.76 6.30 11.40	9.27
08 71 11 00-1547	EA		24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.98 6.30 11.40	9.27
08 71 11 00-1548	EA		24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.24 6.30 11.40	9.27
08 71 11 00-1549	EA		24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.47 6.30 11.40	9.27
08 71 11 00-1550	EA		24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.89 6.30 11.40	9.81
08 71 11 00-1551	EA		24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.13 6.30 11.40	9.81
08 71 11 00-1552	EA		24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.38 6.30 11.40	9.81
08 71 11 00-1553	EA		24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.62 6.30 11.40	9.81
08 71 11 00-1554	EA		24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.05 6.30 11.40	10.35
08 71 11 00-1555	EA		24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.29 6.30 11.40	10.35
08 71 11 00-1556	EA		24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.53 6.30 11.40	10.35



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 71	11 00-1557	EA	24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.93 6.30 11.40	10.90
	08 71	11 00-1558	EA	24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.20 6.30 11.40	10.90
	08 71	11 00-1559	EA	24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	217.47 6.30 11.40	10.90
<b>08 71 11 00-1560 Bright Stainless Finish, Stainless Kick Plate</b> <small>(08 71 11 00-1432)</small>						
	08 71	11 00-1561	EA	8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.47 1.76 11.40	8.18
	08 71	11 00-1562	EA	8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.92 1.76 11.40	8.18
	08 71	11 00-1563	EA	8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.34 1.76 11.40	8.18
	08 71	11 00-1564	EA	8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.77 1.76 11.40	8.18
	08 71	11 00-1565	EA	8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.38 1.76 11.40	8.72
	08 71	11 00-1566	EA	8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.84 1.76 11.40	8.72
	08 71	11 00-1567	EA	8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.25 1.76 11.40	8.72
	08 71	11 00-1568	EA	8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.71 1.76 11.40	8.72
	08 71	11 00-1569	EA	8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.27 1.76 11.40	9.27
	08 71	11 00-1570	EA	8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.73 1.76 11.40	9.27
	08 71	11 00-1571	EA	8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.19 1.76 11.40	9.27
	08 71	11 00-1572	EA	8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.78 1.76 11.40	9.81
	08 71	11 00-1573	EA	8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.22 1.76 11.40	9.81
	08 71	11 00-1574	EA	8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.63 1.76 11.40	9.81
	08 71	11 00-1575	EA	10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.41 1.76 11.40	8.18
	08 71	11 00-1576	EA	10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.19 1.76 11.40	8.18
	08 71	11 00-1577	EA	10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.01 1.76 11.40	8.18
	08 71	11 00-1578	EA	10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.80 1.76 11.40	8.18
	08 71	11 00-1579	EA	10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.76 1.76 11.40	8.72
	08 71	11 00-1580	EA	10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.56 1.76 11.40	8.72
	08 71	11 00-1581	EA	10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.38 1.76 11.40	8.72
	08 71	11 00-1582	EA	10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.17 1.76 11.40	8.72
	08 71	11 00-1583	EA	10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.11 1.76 11.40	9.27
	08 71	11 00-1584	EA	10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.91 1.76 11.40	9.27

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1585	EA		10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	179.73	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1586	EA		10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	188.66	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1587	EA		10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	195.47	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1588	EA		10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	202.27	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1589	EA		12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	122.34	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1590	EA		12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	130.52	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1591	EA		12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	138.67	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1592	EA		12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	146.83	8.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1593	EA		12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	157.17	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1594	EA		12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	165.28	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1595	EA		12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	173.46	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1596	EA		12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	181.61	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1597	EA		12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	191.94	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1598	EA		12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	200.09	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1599	EA		12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	208.22	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1600	EA		12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	218.58	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1601	EA		12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	226.71	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1602	EA		12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	234.86	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1603	EA		14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	139.50	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1604	EA		14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	149.02	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1605	EA		14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	158.53	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1606	EA		14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	168.04	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1607	EA		14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	179.73	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1608	EA		14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	189.22	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1609	EA		14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	198.73	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1610	EA		14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	208.22	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1611	EA		14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	219.94	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1612	EA		14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	229.45	9.81
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1613	EA			14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.96 1.76 11.40	9.81
08 71 11 00-1614	EA			14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	250.66 1.76 11.40	10.35
08 71 11 00-1615	EA			14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	260.12 1.76 11.40	10.35
08 71 11 00-1616	EA			14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	269.64 1.76 11.40	10.35
08 71 11 00-1617	EA			16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.43 1.76 11.40	8.72
08 71 11 00-1618	EA			16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.28 1.76 11.40	8.72
08 71 11 00-1619	EA			16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.20 1.76 11.40	8.72
08 71 11 00-1620	EA			16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	187.05 1.76 11.40	8.72
08 71 11 00-1621	EA			16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	200.09 1.76 11.40	9.27
08 71 11 00-1622	EA			16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.96 1.76 11.40	9.27
08 71 11 00-1623	EA			16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.81 1.76 11.40	9.27
08 71 11 00-1624	EA			16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	232.68 1.76 11.40	9.27
08 71 11 00-1625	EA			16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	245.74 1.76 11.40	9.81
08 71 11 00-1626	EA			16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.59 1.76 11.40	9.81
08 71 11 00-1627	EA			16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.46 1.76 11.40	9.81
08 71 11 00-1628	EA			16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	280.51 1.76 11.40	10.35
08 71 11 00-1629	EA			16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	291.41 1.76 11.40	10.35
08 71 11 00-1630	EA			16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	302.28 1.76 11.40	10.35
08 71 11 00-1631	EA			18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.97 6.30 11.40	8.72
08 71 11 00-1632	EA			18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.39 6.30 11.40	8.72
08 71 11 00-1633	EA			18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	195.72 6.30 11.40	8.72
08 71 11 00-1634	EA			18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	208.14 6.30 11.40	8.72
08 71 11 00-1635	EA			18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	222.68 6.30 11.40	9.27
08 71 11 00-1636	EA			18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	235.00 6.30 11.40	9.27
08 71 11 00-1637	EA			18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	247.42 6.30 11.40	9.27
08 71 11 00-1638	EA			18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	266.82 6.30 11.40	9.27
08 71 11 00-1639	EA			18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	274.35 6.30 11.40	9.81
08 71 11 00-1640	EA			18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	286.72 6.30 11.40	9.81

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1641	EA		18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	299.09	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1642	EA		18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	313.64	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1643	EA		18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	326.02	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1644	EA		18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	338.39	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1645	EA		20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	188.30	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1646	EA		20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	202.03	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1647	EA		20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	215.79	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1648	EA		20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	229.52	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1649	EA		20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	245.45	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1650	EA		20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	259.23	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1651	EA		20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	272.94	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1652	EA		20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	286.72	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1653	EA		20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	302.61	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1654	EA		20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	316.38	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1655	EA		20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	330.14	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1656	EA		20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	346.05	10.90
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1657	EA		20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	359.80	10.90
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1658	EA		20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	373.54	10.90
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1659	EA		22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	203.42	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1660	EA		22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	218.53	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1661	EA		22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	233.64	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1662	EA		22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	248.76	9.27
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1663	EA		22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	266.08	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1664	EA		22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	281.21	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1665	EA		22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	296.35	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1666	EA		22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	311.46	9.81
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1667	EA		22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	328.76	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1668	EA		22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate .....	343.87	10.35
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1669	EA			22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	358.98 6.30 11.40	10.35
08 71 11 00-1670	EA			22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	376.28 6.30 11.40	10.90
08 71 11 00-1671	EA			22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	391.44 6.30 11.40	10.90
08 71 11 00-1672	EA			22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	406.55 6.30 11.40	10.90
08 71 11 00-1673	EA			24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.53 6.30 11.40	9.27
08 71 11 00-1674	EA			24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	235.00 6.30 11.40	9.27
08 71 11 00-1675	EA			24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.52 6.30 11.40	9.27
08 71 11 00-1676	EA			24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	268.02 6.30 11.40	9.27
08 71 11 00-1677	EA			24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	286.72 6.30 11.40	9.81
08 71 11 00-1678	EA			24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	303.19 6.30 11.40	9.81
08 71 11 00-1679	EA			24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	319.69 6.30 11.40	9.81
08 71 11 00-1680	EA			24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	336.21 6.30 11.40	9.81
08 71 11 00-1681	EA			24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	354.88 6.30 11.40	10.35
08 71 11 00-1682	EA			24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	371.36 6.30 11.40	10.35
08 71 11 00-1683	EA			24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	387.88 6.30 11.40	10.35
08 71 11 00-1684	EA			24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	406.55 6.30 11.40	10.90
08 71 11 00-1685	EA			24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	423.07 6.30 11.40	10.90
08 71 11 00-1686	EA			24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	439.54 6.30 11.40	10.90

**08 71 11 00-1687 Plastic Kick Plate** (08 71 11 00-0794)

**08 71 11 00-1688 Clear Or Black Finish, Plastic Kick Plate** (08 71 11 00-1687)

Note: With four beveled edges.

08 71 11 00-1689	EA			8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	51.53	8.18
08 71 11 00-1690	EA			8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	53.21	8.18
08 71 11 00-1691	EA			8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	54.96	8.18
08 71 11 00-1692	EA			8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	56.67	8.18
08 71 11 00-1693	EA			8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	60.58	8.72
08 71 11 00-1694	EA			8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	62.29	8.72
08 71 11 00-1695	EA			8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	63.97	8.72
08 71 11 00-1696	EA			8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	65.72	8.72
08 71 11 00-1697	EA			8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	71.67	9.27
08 71 11 00-1698	EA			8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	71.28	9.27
08 71 11 00-1699	EA			8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	73.03	9.27
08 71 11 00-1700	EA			8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	76.91	9.81
08 71 11 00-1701	EA			8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	78.64	9.81
08 71 11 00-1702	EA			8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	80.34	9.81
08 71 11 00-1703	EA			10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	56.23	8.18
08 71 11 00-1704	EA			10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	58.39	8.18
08 71 11 00-1705	EA			10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	60.51	8.18
08 71 11 00-1706	EA			10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	62.64	8.18
08 71 11 00-1707	EA			10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	66.99	8.72
08 71 11 00-1708	EA			10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	69.11	8.72
08 71 11 00-1709	EA			10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	71.27	8.72
08 71 11 00-1710	EA			10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	73.39	8.72
08 71 11 00-1711	EA			10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	77.73	9.27
08 71 11 00-1712	EA			10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	79.85	9.27





<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1794 EA 22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	136.68	9.81
08 71 11 00-1795 EA 22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	144.24	10.35
08 71 11 00-1796 EA 22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	149.67	10.35
08 71 11 00-1797 EA 22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	155.10	10.35
08 71 11 00-1798 EA 22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	162.66	10.90
08 71 11 00-1799 EA 22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	168.09	10.90
08 71 11 00-1800 EA 22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	173.48	10.90
08 71 11 00-1801 EA 24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	101.99	9.27
08 71 11 00-1802 EA 24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	107.90	9.27
08 71 11 00-1803 EA 24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	113.83	9.27
08 71 11 00-1804 EA 24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	119.73	9.27
08 71 11 00-1805 EA 24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	127.82	9.81
08 71 11 00-1806 EA 24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	133.70	9.81
08 71 11 00-1807 EA 24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	139.61	9.81
08 71 11 00-1808 EA 24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	145.54	9.81
08 71 11 00-1809 EA 24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	153.62	10.35
08 71 11 00-1810 EA 24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	159.51	10.35
08 71 11 00-1811 EA 24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	165.41	10.35
08 71 11 00-1812 EA 24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	173.48	10.90
08 71 11 00-1813 EA 24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	179.42	10.90
08 71 11 00-1814 EA 24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	185.33	10.90
08 71 11 00-1815 Mop Plate (08 71 11 00-0793) Note: Ives 8400.		
08 71 11 00-1816 Aluminum Base Material Mop Plate (08 71 11 00-1815)		
08 71 11 00-1817 Satin Aluminum Finish, Aluminum Mop Plate (08 71 11 00-1816)		
08 71 11 00-1818 EA 4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	44.99	7.96
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1819 EA 4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	46.22	7.96
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1820 EA 4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	47.40	7.96
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1821 EA 4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	48.63	7.96
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1822 EA 4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	51.16	8.28
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1823 EA 4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	52.34	8.28
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1824 EA 4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	53.57	8.28
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1825 EA 4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	54.75	8.28
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1826 EA 4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	57.84	8.72
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1827 EA 4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	59.04	8.72
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1828 EA 4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	60.24	8.72
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1829 EA 4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	63.62	9.27
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1830 EA 4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	64.84	9.27
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1831 EA 4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	66.02	9.27
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1832 EA 6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	51.63	7.96
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1833 EA 6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	53.44	7.96
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1834 EA 6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	55.27	7.96
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1835 EA 6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	57.07	7.96
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-1836	EA 6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.21 1.76 11.40	8.28
08 71 11 00-1837	EA 6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.99 1.76 11.40	8.28
08 71 11 00-1838	EA 6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.84 1.76 11.40	8.28
08 71 11 00-1839	EA 6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.63 1.76 11.40	8.28
08 71 11 00-1840	EA 6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.31 1.76 11.40	8.72
08 71 11 00-1841	EA 6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.12 1.76 11.40	8.72
08 71 11 00-1842	EA 6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.95 1.76 11.40	8.72
08 71 11 00-1843	EA 6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.92 1.76 11.40	9.27
08 71 11 00-1844	EA 6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.75 1.76 11.40	9.27
08 71 11 00-1845	EA 6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.53 1.76 11.40	9.27
<b>08 71 11 00-1846</b>	<b>Brass Base Material Mop Plate</b> (08 71 11 00-1815)		
<b>08 71 11 00-1847</b>	<b>Bright/Satin Brass Finish, Brass Mop Plate</b> (08 71 11 00-1846)		
08 71 11 00-1848	EA 4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.73 1.76 11.40	7.96
08 71 11 00-1849	EA 4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.31 1.76 11.40	7.96
08 71 11 00-1850	EA 4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.85 1.76 11.40	7.96
08 71 11 00-1851	EA 4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.41 1.76 11.40	7.96
08 71 11 00-1852	EA 4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.26 1.76 11.40	8.28
08 71 11 00-1853	EA 4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.80 1.76 11.40	8.28
08 71 11 00-1854	EA 4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.36 1.76 11.40	8.28
08 71 11 00-1855	EA 4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.90 1.76 11.40	8.28
08 71 11 00-1856	EA 4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.32 1.76 11.40	8.72
08 71 11 00-1857	EA 4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.86 1.76 11.40	8.72
08 71 11 00-1858	EA 4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.40 1.76 11.40	8.72
08 71 11 00-1859	EA 4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.13 1.76 11.40	9.27
08 71 11 00-1860	EA 4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.67 1.76 11.40	9.27
08 71 11 00-1861	EA 4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.25 1.76 11.40	9.27
08 71 11 00-1862	EA 6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.28 1.76 11.40	7.96
08 71 11 00-1863	EA 6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.59 1.76 11.40	7.96
08 71 11 00-1864	EA 6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.92 1.76 11.40	7.96



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1865 EA 6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.23 1.76 11.40	7.96
08 71 11 00-1866 EA 6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.87 1.76 11.40	8.28
08 71 11 00-1867 EA 6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.22 1.76 11.40	8.28
08 71 11 00-1868 EA 6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.51 1.76 11.40	8.28
08 71 11 00-1869 EA 6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.86 1.76 11.40	8.28
08 71 11 00-1870 EA 6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.00 1.76 11.40	8.72
08 71 11 00-1871 EA 6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.36 1.76 11.40	8.72
08 71 11 00-1872 EA 6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.69 1.76 11.40	8.72
08 71 11 00-1873 EA 6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.17 1.76 11.40	9.27
08 71 11 00-1874 EA 6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.50 1.76 11.40	9.27
08 71 11 00-1875 EA 6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.81 1.76 11.40	9.27
<b>08 71 11 00-1876 Bright/Satin Chrome Finish, Stainless Mop Plate</b> <small>(08 71 11 00-1846)</small>		
08 71 11 00-1877 EA 4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.62 1.76 11.40	7.96
08 71 11 00-1878 EA 4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.51 1.76 11.40	7.96
08 71 11 00-1879 EA 4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.41 1.76 11.40	7.96
08 71 11 00-1880 EA 4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.32 1.76 11.40	7.96
08 71 11 00-1881 EA 4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.51 1.76 11.40	8.28
08 71 11 00-1882 EA 4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.41 1.76 11.40	8.28
08 71 11 00-1883 EA 4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.32 1.76 11.40	8.28
08 71 11 00-1884 EA 4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.20 1.76 11.40	8.28
08 71 11 00-1885 EA 4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.97 1.76 11.40	8.72
08 71 11 00-1886 EA 4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.90 1.76 11.40	8.72
08 71 11 00-1887 EA 4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.80 1.76 11.40	8.72
08 71 11 00-1888 EA 4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.88 1.76 11.40	9.27
08 71 11 00-1889 EA 4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.76 1.76 11.40	9.27
08 71 11 00-1890 EA 4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.66 1.76 11.40	9.27
08 71 11 00-1891 EA 6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.07 1.76 11.40	7.96
08 71 11 00-1892 EA 6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.89 1.76 11.40	7.96

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-1893	EA 6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.76 1.76 11.40	7.96
08 71 11 00-1894	EA 6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.63 1.76 11.40	7.96
08 71 11 00-1895	EA 6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.76 1.76 11.40	8.28
08 71 11 00-1896	EA 6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.63 1.76 11.40	8.28
08 71 11 00-1897	EA 6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.46 1.76 11.40	8.28
08 71 11 00-1898	EA 6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.33 1.76 11.40	8.28
08 71 11 00-1899	EA 6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.06 1.76 11.40	8.72
08 71 11 00-1900	EA 6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.88 1.76 11.40	8.72
08 71 11 00-1901	EA 6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.75 1.76 11.40	8.72
08 71 11 00-1902	EA 6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.74 1.76 11.40	9.27
08 71 11 00-1903	EA 6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.61 1.76 11.40	9.27
08 71 11 00-1904	EA 6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	177.46 1.76 11.40	9.27
<b>08 71 11 00-1905</b>	<b>Satin/Dark Bronze Finish, Brass Mop Plate</b> (08 71 11 00-1846)		
08 71 11 00-1906	EA 4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.32 1.76 11.40	7.96
08 71 11 00-1907	EA 4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.28 1.76 11.40	7.96
08 71 11 00-1908	EA 4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.25 1.76 11.40	7.96
08 71 11 00-1909	EA 4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.20 1.76 11.40	7.96
08 71 11 00-1910	EA 4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.49 1.76 11.40	8.28
08 71 11 00-1911	EA 4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.46 1.76 11.40	8.28
08 71 11 00-1912	EA 4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.44 1.76 11.40	8.28
08 71 11 00-1913	EA 4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.41 1.76 11.40	8.28
08 71 11 00-1914	EA 4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.20 1.76 11.40	8.72
08 71 11 00-1915	EA 4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.18 1.76 11.40	8.72
08 71 11 00-1916	EA 4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.15 1.76 11.40	8.72
08 71 11 00-1917	EA 4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.30 1.76 11.40	9.27
08 71 11 00-1918	EA 4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.27 1.76 11.40	9.27
08 71 11 00-1919	EA 4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.20 1.76 11.40	9.27
08 71 11 00-1920	EA 6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.12 1.76 11.40	7.96



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1921 EA 6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.10 1.76 11.40	7.96
08 71 11 00-1922 EA 6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.04 1.76 11.40	7.96
08 71 11 00-1923 EA 6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.56 1.76 11.40	7.96
08 71 11 00-1924 EA 6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.23 1.76 11.40	8.28
08 71 11 00-1925 EA 6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.17 1.76 11.40	8.28
08 71 11 00-1926 EA 6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.11 1.76 11.40	8.28
08 71 11 00-1927 EA 6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.05 1.76 11.40	8.28
08 71 11 00-1928 EA 6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.90 1.76 11.40	8.72
08 71 11 00-1929 EA 6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.84 1.76 11.40	8.72
08 71 11 00-1930 EA 6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.78 1.76 11.40	8.72
08 71 11 00-1931 EA 6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.89 1.76 11.40	9.27
08 71 11 00-1932 EA 6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.83 1.76 11.40	9.27
08 71 11 00-1933 EA 6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.77 1.76 11.40	9.27
<b>08 71 11 00-1934 Satin Nickel Finish, Stainless Mop Plate</b> <small>(08 71 11 00-1846)</small>		
08 71 11 00-1935 EA 4" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.13 1.76 11.40	7.96
08 71 11 00-1936 EA 4" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.13 1.76 11.40	7.96
08 71 11 00-1937 EA 4" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.19 1.76 11.40	7.96
08 71 11 00-1938 EA 4" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.23 1.76 11.40	7.96
08 71 11 00-1939 EA 4" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.59 1.76 11.40	8.28
08 71 11 00-1940 EA 4" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.61 1.76 11.40	8.28
08 71 11 00-1941 EA 4" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.65 1.76 11.40	8.28
08 71 11 00-1942 EA 4" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.69 1.76 11.40	8.28
08 71 11 00-1943 EA 4" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.62 1.76 11.40	8.72
08 71 11 00-1944 EA 4" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.64 1.76 11.40	8.72
08 71 11 00-1945 EA 4" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.66 1.76 11.40	8.72
08 71 11 00-1946 EA 4" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.89 1.76 11.40	9.27
08 71 11 00-1947 EA 4" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.93 1.76 11.40	9.27
08 71 11 00-1948 EA 4" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.93 1.76 11.40	9.27

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1949	EA		6" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	98.33	7.96
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1950	EA		6" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	104.38	7.96
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1951	EA		6" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	110.43	7.96
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1952	EA		6" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	116.49	7.96
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1953	EA		6" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	123.85	8.28
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1954	EA		6" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	129.90	8.28
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1955	EA		6" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	135.95	8.28
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1956	EA		6" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	142.03	8.28
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1957	EA		6" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	149.94	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1958	EA		6" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	156.01	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1959	EA		6" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	162.07	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1960	EA		6" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	170.29	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1961	EA		6" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	176.34	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1962	EA		6" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	182.42	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1963			<b>Stainless Base Material Mop Plate</b> (08 71 11 00-1915)		
08 71 11 00-1964			<b>Satin Stainless Finish, Stainless Mop Plate</b> (08 71 11 00-1963)		
08 71 11 00-1965	EA		4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	46.16	7.96
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1966	EA		4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	47.44	7.96
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1967	EA		4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	48.76	7.96
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1968	EA		4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	50.06	7.96
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1969	EA		4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	52.70	8.28
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1970	EA		4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	54.02	8.28
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1971	EA		4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	55.30	8.28
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1972	EA		4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	56.62	8.28
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1973	EA		4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	59.78	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1974	EA		4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	61.11	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1975	EA		4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	62.43	8.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1976	EA		4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	65.88	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1977	EA		4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	67.21	9.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 71	11 00-1978	EA	4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.51 1.76 11.40	9.27
	08 71	11 00-1979	EA	6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.33 1.76 11.40	7.96
	08 71	11 00-1980	EA	6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.31 1.76 11.40	7.96
	08 71	11 00-1981	EA	6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.28 1.76 11.40	7.96
	08 71	11 00-1982	EA	6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.26 1.76 11.40	7.96
	08 71	11 00-1983	EA	6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.51 1.76 11.40	8.28
	08 71	11 00-1984	EA	6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.48 1.76 11.40	8.28
	08 71	11 00-1985	EA	6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.46 1.76 11.40	8.28
	08 71	11 00-1986	EA	6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.43 1.76 11.40	8.28
	08 71	11 00-1987	EA	6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.27 1.76 11.40	8.72
	08 71	11 00-1988	EA	6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.21 1.76 11.40	8.72
	08 71	11 00-1989	EA	6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.17 1.76 11.40	8.72
	08 71	11 00-1990	EA	6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.33 1.76 11.40	9.27
	08 71	11 00-1991	EA	6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.27 1.76 11.40	9.27
	08 71	11 00-1992	EA	6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.26 1.76 11.40	9.27
<b>08 71 11 00-1993 Bright Stainless Finish, Stainless Mop Plate</b> <small>(08 71 11 00-1963)</small>						
	08 71	11 00-1994	EA	4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.34 1.76 11.40	7.96
	08 71	11 00-1995	EA	4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.24 1.76 11.40	7.96
	08 71	11 00-1996	EA	4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.13 1.76 11.40	7.96
	08 71	11 00-1997	EA	4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.97 1.76 11.40	7.96
	08 71	11 00-1998	EA	4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.18 1.76 11.40	8.28
	08 71	11 00-1999	EA	4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.05 1.76 11.40	8.28
	08 71	11 00-2000	EA	4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.94 1.76 11.40	8.28
	08 71	11 00-2001	EA	4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.83 1.76 11.40	8.28
	08 71	11 00-2002	EA	4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.54 1.76 11.40	8.72
	08 71	11 00-2003	EA	4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.43 1.76 11.40	8.72
	08 71	11 00-2004	EA	4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.32 1.76 11.40	8.72
	08 71	11 00-2005	EA	4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.36 1.76 11.40	9.27

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2006	EA		4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.25 1.76 11.40	9.27
08 71 11 00-2007	EA		4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.10 1.76 11.40	9.27
08 71 11 00-2008	EA		6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.16 1.76 11.40	7.96
08 71 11 00-2009	EA		6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.52 1.76 11.40	7.96
08 71 11 00-2010	EA		6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.84 1.76 11.40	7.96
08 71 11 00-2011	EA		6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.15 1.76 11.40	7.96
08 71 11 00-2012	EA		6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.76 1.76 11.40	8.28
08 71 11 00-2013	EA		6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.07 1.76 11.40	8.28
08 71 11 00-2014	EA		6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.39 1.76 11.40	8.28
08 71 11 00-2015	EA		6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.70 1.76 11.40	8.28
08 71 11 00-2016	EA		6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.90 1.76 11.40	8.72
08 71 11 00-2017	EA		6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.22 1.76 11.40	8.72
08 71 11 00-2018	EA		6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.53 1.76 11.40	8.72
08 71 11 00-2019	EA		6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.02 1.76 11.40	9.27
08 71 11 00-2020	EA		6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.31 1.76 11.40	9.27
08 71 11 00-2021	EA		6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.63 1.76 11.40	9.27
08 71 11 00-2022			<b>Plastic Mop Plate</b> (08 71 11 00-1815)		
08 71 11 00-2023			<b>Clear Or Black Finish, Plastic Mop Plate</b> (08 71 11 00-2022) Note: With four beveled edges.		
08 71 11 00-2024	EA		4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	44.33	7.96
08 71 11 00-2025	EA		4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	45.48	7.96
08 71 11 00-2026	EA		4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	46.64	7.96
08 71 11 00-2027	EA		4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	47.79	7.96
08 71 11 00-2028	EA		4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	50.24	8.28
08 71 11 00-2029	EA		4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	51.38	8.28
08 71 11 00-2030	EA		4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	52.53	8.28
08 71 11 00-2031	EA		4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	53.69	8.28
08 71 11 00-2032	EA		4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	56.70	8.72
08 71 11 00-2033	EA		4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	57.84	8.72
08 71 11 00-2034	EA		4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	58.98	8.72
08 71 11 00-2035	EA		4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	62.30	9.27
08 71 11 00-2036	EA		4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	63.46	9.27
08 71 11 00-2037	EA		4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	64.61	9.27
08 71 11 00-2038	EA		6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	50.64	7.96



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2039	EA		6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	52.38	7.96
08 71 11 00-2040	EA		6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	54.10	7.96
08 71 11 00-2041	EA		6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	55.81	7.96
08 71 11 00-2042	EA		6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	58.86	8.28
08 71 11 00-2043	EA		6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	60.58	8.28
08 71 11 00-2044	EA		6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	62.29	8.28
08 71 11 00-2045	EA		6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	64.01	8.28
08 71 11 00-2046	EA		6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	67.61	8.72
08 71 11 00-2047	EA		6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	69.32	8.72
08 71 11 00-2048	EA		6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	71.04	8.72
08 71 11 00-2049	EA		6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	74.94	9.27
08 71 11 00-2050	EA		6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	76.66	9.27
08 71 11 00-2051	EA		6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	78.37	9.27
<b>08 71 11 00-2052</b>			<b>Armor Door Plate</b> <small>(08 71 11 00-0793)</small> Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.		
08 71 11 00-2053	SF		4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate .....	24.76	1.36
08 71 11 00-2054	SF		>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate .....	23.56	1.07
08 71 11 00-2055	SF		4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate .....	27.18	1.36
08 71 11 00-2056	SF		>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate .....	25.98	1.07
08 71 11 00-2057	SF		4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate .....	54.94	1.36
08 71 11 00-2058	SF		>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate .....	53.74	1.07
<b>08 71 11 00-2059</b>			<b>Pull Handle And Plates</b> <small>(08 71 11 00-0793)</small>		
<b>08 71 11 00-2060</b>			<b>Pull Handle</b> <small>(08 71 11 00-2059)</small>		
08 71 11 00-2061	EA		3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	55.43 8.18 11.10	8.99
08 71 11 00-2062	EA		3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	57.96 9.24 12.54	8.99
08 71 11 00-2063	EA		3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	61.94 10.91 14.81	8.99
08 71 11 00-2064	EA		1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	64.15 11.84 16.07	8.99
08 71 11 00-2065	EA		1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	68.15 13.52 18.35	8.99
08 71 11 00-2066	EA		1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	73.32 15.69 21.30	8.99
08 71 11 00-2067	EA		1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	58.15 9.32 12.65	8.99
08 71 11 00-2068	EA		1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	63.66 11.63 15.79	8.99
08 71 11 00-2069	EA		1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	64.57 12.02 16.31	8.99
08 71 11 00-2070	EA		1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8) .....	120.25	8.99
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	15.93 14.67	
08 71 11 00-2071	EA		1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0) .....	123.66	8.99
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	16.58 15.26	
08 71 11 00-2072	EA		1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2) .....	130.52	8.99
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	17.87 16.45	
08 71 11 00-2073	EA		1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18) .....	170.23	8.99
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	25.38 23.36	
<b>08 71 11 00-2074</b>			<b>Pull Plate</b> <small>(08 71 11 00-2059)</small>		

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2075 EA 3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302) .....	82.74	6.81
For Stainless Steel, Add	32.75	
For Brass, Add	41.63	
08 71 11 00-2076 EA 4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302) .....	84.67	6.81
For Stainless Steel, Add	33.88	
For Brass, Add	43.07	
08 71 11 00-2077 EA 6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302) .....	89.07	6.81
For Stainless Steel, Add	36.48	
For Brass, Add	46.37	
08 71 11 00-2078 EA 7-1/4" x 11" Stainless Steel Vandal Resistant Pull Handle (Ives VR900).....	320.68	6.81
For Stainless Steel, Add	173.13	
For Brass, Add	220.08	
For Owner Furnished Material, Deduct	-293.44	
<b>08 71 11 00-2079 Push Bars And Plates (08 71 11 00-0793)</b>		
<b>08 71 11 00-2080 Push Bars (08 71 11 00-2079)</b>		
08 71 11 00-2081 EA 3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate.....	211.45	6.81
Note: Up to 34" wide. All finishes.		
08 71 11 00-2082 EA 3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	215.18	6.81
For Brass Push Bar, Add	32.70	
08 71 11 00-2083 EA 1" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	223.06	6.81
For Brass Push Bar, Add	34.07	
08 71 11 00-2084 EA 1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	418.89	6.81
For Brass Push Bar, Add	68.15	
<b>08 71 11 00-2085 Push Plates (08 71 11 00-2079)</b>		
<b>08 71 11 00-2086 Aluminum Push Plates (08 71 11 00-2085)</b>		
<b>08 71 11 00-2087 Clear Anodized Finish, Aluminum Push Plates (08 71 11 00-2086)</b>		
Note: Ives 8200 Series.		
08 71 11 00-2088 EA 3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware .....	41.18	6.81
08 71 11 00-2089 EA 4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware .....	41.18	6.81
08 71 11 00-2090 EA 6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware .....	41.18	6.81
08 71 11 00-2091 EA 8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware .....	44.71	6.81
<b>08 71 11 00-2092 Stainless Steel Push Plates (08 71 11 00-2085)</b>		
<b>08 71 11 00-2093 Satin Finish, Stainless Steel Push Plates (08 71 11 00-2092)</b>		
Note: Ives 8200 Series.		
08 71 11 00-2094 EA 3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware.....	41.18	6.81
08 71 11 00-2095 EA 4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	43.90	6.81
08 71 11 00-2096 EA 6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	50.09	6.81
08 71 11 00-2097 EA 8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	59.26	6.81
<b>08 71 11 00-2098 Brass Push Plates (08 71 11 00-2085)</b>		
<b>08 71 11 00-2099 Bright/Satin Brass Finish, Brass Push Plates (08 71 11 00-2098)</b>		
Note: Ives 8200 Series.		
08 71 11 00-2100 EA 3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	49.47	6.81
08 71 11 00-2101 EA 4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	56.43	6.81
08 71 11 00-2102 EA 6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	73.20	6.81
08 71 11 00-2103 EA 8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	84.22	6.81
<b>08 71 11 00-2104 Bright/Satin Chrome Finish, Brass Push Plates (08 71 11 00-2098)</b>		
Note: Ives 8200 Series.		
08 71 11 00-2105 EA 3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	55.04	6.81
08 71 11 00-2106 EA 4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	60.70	6.81
08 71 11 00-2107 EA 6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	76.06	6.81
08 71 11 00-2108 EA 8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	91.21	6.81
<b>08 71 11 00-2109 Satin/Dark Bronze Finish, Brass Push Plates (08 71 11 00-2098)</b>		
Note: Ives 8200 Series.		
08 71 11 00-2110 EA 3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	55.04	6.81
08 71 11 00-2111 EA 4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware.....	60.70	6.81
08 71 11 00-2112 EA 6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	78.77	6.81
08 71 11 00-2113 EA 8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	92.72	6.81
<b>08 71 11 00-2114 Satin Nickel Finish, Brass Push Plates (08 71 11 00-2098)</b>		
Note: Ives 8200 Series.		
08 71 11 00-2115 EA 3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware.....	55.04	6.81
08 71 11 00-2116 EA 4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware.....	62.11	6.81
08 71 11 00-2117 EA 6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware.....	83.06	6.81
08 71 11 00-2118 EA 8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware.....	97.01	6.81



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 71 11 00-2119</b> Anti-Vandal Pull <small>(08 71 11 00-2079)</small>		
08 71 11 00-2120 EA Anti-Vandal Pull With Astragal (Trimco 1096HA).....	289.98	13.63
08 71 11 00-2121 EA Anti-Vandal Pull Without Astragal (Trimco 1097HA).....	289.98	13.63
<b>08 71 11 00-2122</b> Exit Devices <small>(08 71 11)</small>		
<b>08 71 11 00-2123</b> Push Bar Exit Device, Von Duprin Series 22 <small>(08 71 11 00-2122)</small>		
Note: Grade 1, BHMA 156.3.		
08 71 11 00-2124 EA 3' Push Bar, Rim Type, Exit Device.....	685.10	122.59
Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22.		
For 4' Push Bar, Add		
	13.00	
08 71 11 00-2125 EA 3' Push Bar, Fire Rated, Rim Type, Exit Device.....	755.97	122.59
Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22-F.		
For 4' Push Bar, Add		
	13.00	
08 71 11 00-2126 EA 3' Push Bar, Surface Vertical Rods, Exit Device.....	979.90	147.12
Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227.		
For 4' Push Bar, Add		
	13.00	
08 71 11 00-2127 EA 3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device.....	1,156.42	136.22
Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227-F.		
For 4' Push Bar, Add		
	13.00	
08 71 11 00-2128 EA Dummy Trim (Von Duprin Series 22, 210DT).....	94.53	20.43
Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2129 EA Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL).....	202.95	27.24
Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2130 EA Knob Trim With Cylinder (Von Duprin Series 22, 210K).....	369.66	40.87
Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2131 EA Lever Trim With Cylinder (Von Duprin Series 22, 230L).....	366.40	40.87
Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2132 EA Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP).....	365.58	40.87
Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2133 EA Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE).....	289.57	40.87
Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2134 EA Exit Only Trim Plate (Von Duprin Series 22, 230EO).....	117.14	16.35
Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2135 EA Dummy Trim (Von Duprin Series 22, 230DT).....	136.20	20.43
Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2136 EA Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL).....	246.26	27.24
Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2137 EA Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE).....	286.31	40.87
Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2138 EA Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE).....	285.49	40.87
Note: Anodized finish: aluminum or dark brown.		
<b>08 71 11 00-2139</b> Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35 <small>(08 71 11 00-2122)</small>		
Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 11 00-2140 EA 3' Push Bar, Rim Type, Narrow Stile Exit Device.....	1,238.13	122.59
Note: Aluminum anodized finish. Von Duprin Series 33/35.		
For 4' Push Bar, Add		
	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add		
	93.31	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add		
	179.05	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add		
	34.63	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add		
	266.07	
For Accessible Device (AX), Add		
	91.12	
08 71 11 00-2141 EA 3' Push Bar, Surface Vertical Rods, Narrow Stile Exit Device.....	1,673.72	147.12
Note: Aluminum anodized finish. Von Duprin Series 3327/3527.		
For 4' Push Bar, Add		
	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add		
	131.22	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add		
	251.80	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add		
	48.69	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add		
	374.17	
For Accessible Device (AX), Add		
	128.14	
08 71 11 00-2142 EA 3' Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device.....	1,704.77	147.12
Note: Aluminum anodized finish. Von Duprin Series 3327-F/3527-F.		
For 4' Push Bar, Add		
	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add		
	134.40	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add		
	257.90	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add		
	49.87	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add		
	383.24	
For Accessible Device (AX), Add		
	131.25	
08 71 11 00-2143 EA 3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device.....	1,745.09	168.91
Note: Aluminum anodized finish. Von Duprin Series 3347/3547.		
For 4' Push Bar, Add		
	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add		
	132.39	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add		
	254.05	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add		
	49.13	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add		
	377.51	
For Accessible Device (AX), Add		
	129.29	

**08 Openings**

08 70 Hardware

08 71 Door Hardware



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-2144	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device	1,825.18	168.91
		Note: Aluminum anodized finish. Von Duprin Series 3347-F/3547-F.		
		For 4' Push Bar, Add	13.00	
		For Duraodnic Dark Bronze US313 (BHMA 710) Finish, Add	140.59	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	269.78	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	52.17	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	400.90	
		For Accessible Device (AX), Add	137.29	
08 71 11 00-2145	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device	1,937.14	168.91
		Note: Aluminum anodized finish. Von Duprin Series 3348/3548.		
		For 4' Push Bar, Add	13.00	
		For Duraodnic Dark Bronze US313 (BHMA 710) Finish, Add	152.05	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	291.78	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	56.43	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	433.59	
		For Accessible Device (AX), Add	148.49	
08 71 11 00-2146	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device	2,017.23	168.91
		Note: Aluminum anodized finish. Von Duprin Series 3348-F/3548-F.		
		For 4' Push Bar, Add	13.00	
		For Duraodnic Dark Bronze US313 (BHMA 710) Finish, Add	160.25	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	307.52	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	59.47	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	456.98	
		For Accessible Device (AX), Add	156.50	
08 71 11 00-2147	EA	Dummy Trim (Von Duprin Series 33/35, DT)	273.49	20.43
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	43.04	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.32	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	63.95	
08 71 11 00-2148	EA	Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP)	345.96	27.24
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	52.99	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.25	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	78.75	
08 71 11 00-2149	EA	Night Latch With Cylinder (Von Duprin Series 33/35, NL)	542.91	27.24
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	91.69	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	17.73	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	136.26	
08 71 11 00-2150	EA	Lever Trim With Cylinder (Von Duprin Series 33/35, 360L)	682.67	40.87
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	112.73	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	21.80	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	167.52	
08 71 11 00-2151	EA	Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE)	656.51	40.87
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	107.59	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	20.81	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	159.88	
08 71 11 00-2152	EA	Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT)	644.25	40.87
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	105.18	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	20.34	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	156.30	
08 71 11 00-2153	EA	Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T)	649.97	40.87
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	106.31	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	20.56	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	157.97	
08 71 11 00-2154		<b>Push Bar Exit Device, Von Duprin Series 98/99</b> <small>(08 71 11 00-2122)</small>		
		Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.		
08 71 11 00-2155	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99)	1,102.47	122.59
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duraodnic Dark Bronze US313 (BHMA 710) Finish, Add	47.31	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	75.23	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	120.21	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	245.85	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	77.56	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	114.01	
		For Standard Baseplate Cylinder Dogging (CD), Add	51.69	
		For Special Center Case Dogging (SD), Add	216.41	
		For Cylinder Dogging Indicator (CI), Add	144.05	
		For Dogging Indicator (DI), Add	132.33	
		For Accessible Device (AX), Add	77.56	
		For Quiet Electric Latch Retraction (QEL), Add	620.02	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
		For Safety Glow Touchpad, Add	241.22	



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2156 EA 3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F) ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,238.13	122.59
<i>For 4' Push Bar, Add</i>	13.00	
<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	55.58	
<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	88.39	
<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	141.24	
<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	288.85	
<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	91.12	
<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	133.95	
<i>For Accessible Device (AX), Add</i>	91.12	
<i>For Quiet Electric Latch Retraction (QEL), Add</i>	620.02	
<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
<i>For Safety Glow Touchpad, Add</i>	241.22	
08 71 11 00-2157 EA 3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99) ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,193.18	122.59
<i>For 4' Push Bar, Add</i>	13.00	
<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	52.84	
<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	84.03	
<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	134.27	
<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	274.60	
<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	86.63	
<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	127.34	
<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	51.69	
<i>For Special Center Case Dogging (SD), Add</i>	216.41	
<i>For Cylinder Dogging Indicator (CI), Add</i>	144.05	
<i>For Dogging Indicator (DI), Add</i>	132.33	
<i>For Accessible Device (AX), Add</i>	86.63	
<i>For Quiet Electric Latch Retraction (QEL), Add</i>	620.02	
<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
<i>For Safety Glow Touchpad, Add</i>	241.22	
08 71 11 00-2158 EA 3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F) ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,325.57	122.59
<i>For 4' Push Bar, Add</i>	13.00	
<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	60.92	
<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	96.87	
<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	154.79	
<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	316.57	
<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	99.87	
<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	146.80	
<i>For Accessible Device (AX), Add</i>	99.87	
<i>For Quiet Electric Latch Retraction (QEL), Add</i>	620.02	
<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
<i>For Safety Glow Touchpad, Add</i>	241.22	
08 71 11 00-2159 EA 3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927) ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,550.32	147.12
<i>For 4' Push Bar, Add</i>	13.00	
<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	70.64	
<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	112.33	
<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	179.49	
<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	367.09	
<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	115.80	
<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	170.23	
<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	51.69	
<i>For Special Center Case Dogging (SD), Add</i>	216.41	
<i>For Cylinder Dogging Indicator (CI), Add</i>	144.05	
<i>For Dogging Indicator (DI), Add</i>	132.33	
<i>For Accessible Device (AX), Add</i>	115.80	
<i>For Quiet Electric Latch Retraction (QEL), Add</i>	620.02	
<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
<i>For Safety Glow Touchpad, Add</i>	241.22	
08 71 11 00-2160 EA 3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F) ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,734.20	147.12
<i>For 4' Push Bar, Add</i>	13.00	
<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	81.86	
<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	130.16	
<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	207.99	
<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	425.38	
<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	134.19	
<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	197.26	
<i>For Accessible Device (AX), Add</i>	134.19	
<i>For Quiet Electric Latch Retraction (QEL), Add</i>	620.02	
<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	66.86	
<i>For Safety Glow Touchpad, Add</i>	241.22	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-2161	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947) .....	1,640.49	168.91
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	110.51	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	115.26	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	184.18	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	376.68	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	118.83	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	174.67	
		For Standard Baseplate Cylinder Dogging (CD), Add	51.69	
		For Special Center Case Dogging (SD), Add	216.41	
		For Cylinder Dogging Indicator (CI), Add	144.05	
		For Dogging Indicator (DI), Add	132.33	
		For Accessible Device (AX), Add	118.83	
		For Quiet Electric Latch Retraction (QEL), Add	620.02	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
		For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2162	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F).....	1,828.45	168.91
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	127.99	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	133.49	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	213.31	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	436.26	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	137.62	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	202.30	
		For Accessible Device (AX), Add	137.62	
		For Quiet Electric Latch Retraction (QEL), Add	620.02	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
		For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2163	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948) .....	1,832.54	168.91
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	128.37	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	133.89	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	213.95	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	437.56	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	138.03	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	202.90	
		For Standard Baseplate Cylinder Dogging (CD), Add	51.69	
		For Special Center Case Dogging (SD), Add	216.41	
		For Cylinder Dogging Indicator (CI), Add	144.05	
		For Dogging Indicator (DI), Add	132.33	
		For Accessible Device (AX), Add	138.03	
		For Quiet Electric Latch Retraction (QEL), Add	620.02	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
		For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2164	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F).....	2,020.50	168.91
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	145.85	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	152.12	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	243.08	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	497.14	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	156.83	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	230.53	
		For Accessible Device (AX), Add	156.83	
		For Quiet Electric Latch Retraction (QEL), Add	620.02	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
		For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2165	EA	3' Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC).....	1,776.96	168.91
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	123.20	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	128.50	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	205.33	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	419.94	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	132.47	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	194.73	
		For Standard Baseplate Cylinder Dogging (CD), Add	51.69	
		For Special Center Case Dogging (SD), Add	216.41	
		For Cylinder Dogging Indicator (CI), Add	144.05	
		For Dogging Indicator (DI), Add	132.33	
		For Accessible Device (AX), Add	132.47	
		For Quiet Electric Latch Retraction (QEL), Add	620.02	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
		For Safety Glow Touchpad, Add	241.22	





<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2166 EA 3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F).....	1,988.63	168.91
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	142.88	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	149.03	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	238.14	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	487.04	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	153.64	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	225.85	
For Accessible Device (AX), Add	153.64	
For Quiet Electric Latch Retraction (QEL), Add	620.02	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2167 EA 3' Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957).....	1,908.27	147.12
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	92.47	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	147.05	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	234.97	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	480.56	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	151.60	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	222.85	
For Standard Baseplate Cylinder Dogging (CD), Add	51.69	
For Special Center Case Dogging (SD), Add	216.41	
For Cylinder Dogging Indicator (CI), Add	144.05	
For Dogging Indicator (DI), Add	132.33	
For Accessible Device (AX), Add	151.60	
For Quiet Electric Latch Retraction (QEL), Add	620.02	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2168 EA 3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F).....	2,030.04	147.12
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	99.90	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	158.86	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	253.85	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	519.16	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	163.77	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	240.75	
For Standard Baseplate Cylinder Dogging (CD), Add	51.69	
For Special Center Case Dogging (SD), Add	216.41	
For Cylinder Dogging Indicator (CI), Add	144.05	
For Dogging Indicator (DI), Add	132.33	
For Accessible Device (AX), Add	163.77	
For Quiet Electric Latch Retraction (QEL), Add	620.02	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2169 EA 3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975).....	1,542.15	152.57
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	41.94	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	109.95	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	175.69	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	359.32	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	113.35	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	166.62	
For Standard Baseplate Cylinder Dogging (CD), Add	51.69	
For Special Center Case Dogging (SD), Add	216.41	
For Cylinder Dogging Indicator (CI), Add	144.05	
For Dogging Indicator (DI), Add	132.33	
For Accessible Device (AX), Add	113.35	
For Quiet Electric Latch Retraction (QEL), Add	620.02	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2170 EA 3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F).....	1,680.25	152.57
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	47.05	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	123.35	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	197.10	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	403.10	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	127.16	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	186.93	
For Accessible Device (AX), Add	127.16	
For Quiet Electric Latch Retraction (QEL), Add	620.02	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
For Safety Glow Touchpad, Add	241.22	

**08 Openings**

08 70 Hardware

08 71 Door Hardware



MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 71 11 00-2171	EA	3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949) .....	1,698.51	168.91
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	115.90	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	120.89	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	193.17	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	395.07	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	124.63	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	183.20	
		For Standard Baseplate Cylinder Dogging (CD), Add	51.69	
		For Special Center Case Dogging (SD), Add	216.41	
		For Cylinder Dogging Indicator (CI), Add	144.05	
		For Dogging Indicator (DI), Add	132.33	
		For Accessible Device (AX), Add	124.63	
		For Quiet Electric Latch Retraction (QEL), Add	620.02	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
		For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2172	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device(Von Duprin Series 9849-F/9949-F).....	1,835.80	168.91
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	128.67	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	134.21	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	214.45	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	438.59	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	138.36	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	203.38	
		For Standard Baseplate Cylinder Dogging (CD), Add	51.69	
		For Special Center Case Dogging (SD), Add	216.41	
		For Cylinder Dogging Indicator (CI), Add	144.05	
		For Dogging Indicator (DI), Add	132.33	
		For Accessible Device (AX), Add	138.36	
		For Quiet Electric Latch Retraction (QEL), Add	620.02	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
		For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2173	EA	3' Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC).....	1,840.70	168.91
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	129.13	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	134.68	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	215.21	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	440.14	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	138.85	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	204.10	
		For Standard Baseplate Cylinder Dogging (CD), Add	51.69	
		For Special Center Case Dogging (SD), Add	216.41	
		For Cylinder Dogging Indicator (CI), Add	144.05	
		For Dogging Indicator (DI), Add	132.33	
		For Accessible Device (AX), Add	138.85	
		For Quiet Electric Latch Retraction (QEL), Add	620.02	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
		For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2174	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F) .....	2,085.87	168.91
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	151.93	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	158.46	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	253.21	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	517.86	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	163.36	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	240.14	
		For Standard Baseplate Cylinder Dogging (CD), Add	51.69	
		For Special Center Case Dogging (SD), Add	216.41	
		For Cylinder Dogging Indicator (CI), Add	144.05	
		For Dogging Indicator (DI), Add	132.33	
		For Accessible Device (AX), Add	163.36	
		For Quiet Electric Latch Retraction (QEL), Add	620.02	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
		For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2175	EA	3' Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99) .....	2,345.20	141.67
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	304.39	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	622.52	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	196.38	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	73.05	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	82.09	
		For Center Case Dogging (CD-CX), Add	233.64	
		For Accessible Device (AX), Add	196.38	
		For Quiet Electric Latch Retraction (QEL), Add	620.02	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
		For Safety Glow Touchpad, Add	241.22	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Door Hardware</b>	<b>08 71</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2176 EA 3' Push Bar, Fire Rated, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F) .....	2,480.86	141.67
Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	325.41	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	665.53	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	209.95	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	78.10	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	87.76	
For Accessible Device (AX), Add	209.95	
For Quiet Electric Latch Retraction (QEL), Add	620.02	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2177 EA 3' Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975) .....	2,795.77	174.36
Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	359.87	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	735.99	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	232.17	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	86.37	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	97.05	
For Center Case Dogging (CD-CX), Add	233.64	
For Accessible Device (AX), Add	232.17	
For Quiet Electric Latch Retraction (QEL), Add	620.02	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2178 EA 3' Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F) .....	2,933.88	174.36
Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	381.28	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	779.77	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	245.99	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	91.51	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	102.82	
For Accessible Device (AX), Add	245.99	
For Quiet Electric Latch Retraction (QEL), Add	620.02	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2179 EA 3' Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99) .....	1,544.33	141.67
Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	180.25	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	368.65	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	116.29	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	43.26	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	66.75	
For Standard Baseplate Cylinder Dogging (CD), Add	51.69	
For Special Center Case Dogging (SD), Add	216.41	
For Dogging Indicator (DI), Add	132.33	
For Accessible Device (AX), Add	116.29	
For Quiet Electric Latch Retraction (QEL), Add	620.02	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2180 EA 3' Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F) .....	1,679.99	141.67
Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	201.28	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	411.65	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	129.86	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	48.31	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	74.54	
For Accessible Device (AX), Add	129.86	
For Quiet Electric Latch Retraction (QEL), Add	620.02	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2181 EA 3' Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875/E9975) .....	1,994.89	174.36
Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	235.73	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	482.11	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	152.09	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	56.58	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	87.30	
For Standard Baseplate Cylinder Dogging (CD), Add	51.69	
For Special Center Case Dogging (SD), Add	216.41	
For Dogging Indicator (DI), Add	132.33	
For Accessible Device (AX), Add	152.09	
For Quiet Electric Latch Retraction (QEL), Add	620.02	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
For Safety Glow Touchpad, Add	241.22	

## 08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2182	EA		3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F).....	2,133.00	174.36
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	257.14	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	525.89	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	165.90	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	61.71	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	95.22	
			For Accessible Device (AX), Add	165.90	
			For Quiet Electric Latch Retraction (QEL), Add	620.02	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	66.86	
			For Safety Glow Touchpad, Add	241.22	
08 71 11 00-2183	EA		Exit Only Trim Plate (Von Duprin Series 98/99, EO).....	130.43	16.35
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	2.61	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	3.91	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	14.76	
08 71 11 00-2184	EA		Dummy Trim (Von Duprin Series 98/99, 990DT).....	189.56	20.43
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	4.05	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	6.08	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	22.96	
08 71 11 00-2185	EA		Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL).....	301.10	27.24
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.74	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.12	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	38.22	
08 71 11 00-2186	EA		Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL).....	221.01	27.24
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	4.34	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	6.51	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	24.60	
08 71 11 00-2187	EA		Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L).....	501.26	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	11.77	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	17.65	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	66.69	
			For Electric Unlocking (E), Add	654.22	
08 71 11 00-2188	EA		Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L).....	421.18	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.37	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	14.05	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	53.08	
			For Electric Unlocking (E), Add	654.22	
08 71 11 00-2189	EA		Blank Escutcheon, Lever (Von Duprin Series 98/99, 996L-BE).....	421.18	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.37	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	14.05	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	53.08	
08 71 11 00-2190	EA		Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL).....	432.34	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.70	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	14.55	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	54.97	
			For Electric Unlocking (E), Add	654.22	
08 71 11 00-2191	EA		Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL).....	352.26	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	7.30	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.95	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	41.36	
			For Electric Unlocking (E), Add	654.22	
08 71 11 00-2192	EA		Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT).....	352.26	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	7.30	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.95	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	41.36	
08 71 11 00-2193	EA		Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K).....	421.32	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.37	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	14.06	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	53.10	
08 71 11 00-2194	EA		Knob Trim Without Cylinder (Von Duprin Series 98/99, K).....	341.24	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.97	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.45	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	39.49	
08 71 11 00-2195	EA		Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE).....	341.24	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.97	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.45	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	39.49	
08 71 11 00-2196	EA		Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL).....	415.12	40.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.18	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	13.78	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	52.05	



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2197 EA Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL).....	335.03	40.87
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.78	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.17	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	38.43	
08 71 11 00-2198 EA Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT).....	335.03	40.87
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.78	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.17	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	38.43	
08 71 11 00-2199 EA Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP) .....	381.34	40.87
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.17	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	12.26	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	46.30	
08 71 11 00-2200 EA Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP).....	301.26	40.87
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.77	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.65	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	32.69	
08 71 11 00-2201 EA Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE) .....	301.26	40.87
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.77	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.65	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	32.69	
08 71 11 00-2202 EA Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL) .....	323.08	40.87
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.42	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.63	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	36.40	
<b>08 71 11 00-2203 Option And Kits For Series 22, 33, 35, 98 Or 99</b> (08 71 11 00-2122)		
08 71 11 00-2204 EA Alarm Kit With Switch And 9 Volt Battery Back-up.....	820.76	40.87
08 71 11 00-2205 EA 4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914) .....	704.13	40.87
For Battery Backup (Includes Board And 2 Batteries), Add	58.09	
For Fire Alarm Interface, Add	29.05	
For 2 Relay Panic Device Control Board, Add	67.39	
For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	79.00	
For 4 Relay Output Board, Add	65.06	
For 4 Relay Logic Board, Add	178.45	
For Fused 8 Zone Distribution Board, Add	23.24	
08 71 11 00-2206 EA Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10) .....	657.92	40.87
08 71 11 00-2207 EA 2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902).....	364.17	40.87
For Battery Backup (Includes Board And 2 Batteries), Add	58.09	
For Fire Alarm Interface, Add	29.05	
For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	79.00	
For 4 Relay Output Board, Add	65.06	
For 4 Relay Logic Board, Add	178.45	
For Fused 8 Zone Distribution Board, Add	23.24	
08 71 11 00-2208 EA 4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904).....	590.00	40.87
For Battery Backup (Includes Board And 2 Batteries), Add	58.09	
For Fire Alarm Interface, Add	29.05	
For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	79.00	
For 4 Relay Output Board, Add	65.06	
For 4 Relay Logic Board, Add	178.45	
For Fused 8 Zone Distribution Board, Add	23.24	
08 71 11 00-2209 EA 6 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS906) .....	695.22	41.41
For Owner Furnished Material, Deduct	-586.25	
08 71 11 00-2210 EA 4 Amperes (3 Amperes Wet) Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914 x 900-2RS) .....	764.29	41.41
For Owner Furnished Material, Deduct	-655.32	
08 71 11 00-2211 EA Request to Exit Push Pad Monitor Switch (RX) .....	186.12	27.24
<b>08 71 11 00-2212 Removable Verticals, Mullions (Von Duprin)</b> (08 71 11 00-2122)		
08 71 11 00-2213 EA 7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72) .....	484.89	27.24
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-375.92	
08 71 11 00-2214 EA 8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82) .....	514.31	27.24
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-405.34	
08 71 11 00-2215 EA 10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102) .....	831.65	27.24
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-722.68	
08 71 11 00-2216 EA 7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76) .....	820.51	32.69
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-689.74	
08 71 11 00-2217 EA 8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86) .....	849.93	32.69
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-719.16	
08 71 11 00-2218 EA 10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106) .....	914.49	32.69
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-783.72	

**08 Openings**

08 70 Hardware

08 71 Door Hardware



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2219 EA 7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73).....	690.83	27.24
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-581.86	
08 71 11 00-2220 EA 8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83).....	721.07	27.24
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-612.10	
08 71 11 00-2221 EA 10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103).....	782.36	27.24
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-673.39	
08 71 11 00-2222 EA 7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75).....	1,058.32	32.69
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-927.55	
08 71 11 00-2223 EA 8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85).....	1,088.56	32.69
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-957.79	
08 71 11 00-2224 EA 10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105).....	2,038.75	32.69
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-1,907.98	
08 71 11 00-2225 EA Mullion Stabilizer Set (Von Duprin 154) .....	104.88	21.79
Note: For use with Von Duprin Panic rim devices.		
For Owner Furnished Material, Deduct	-61.29	
<b>08 71 11 00-2226 Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55</b> (08 71 11 00-2122)		
Note: Grade 1, BHMA 156.3.		
08 71 11 00-2227 EA 42" Crossbar Exit Device, Rim Type, Narrow Stile .....	1,887.82	122.59
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	196.67	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	226.33	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	298.13	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	324.67	
08 71 11 00-2228 EA 42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile .....	2,435.65	168.91
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	249.91	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	287.59	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	378.83	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	412.55	
08 71 11 00-2229 EA 42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated.....	2,657.12	168.91
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	277.81	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	319.71	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	421.13	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	458.62	
08 71 11 00-2230 EA 42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile .....	2,490.40	168.91
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	256.81	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	295.53	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	389.29	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	423.94	
08 71 11 00-2231 EA 42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated.....	2,705.33	168.91
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	283.89	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	326.70	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	430.34	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	468.64	
08 71 11 00-2232 EA 42" Crossbar Exit Device, Mortise Lock, Narrow Stile.....	1,897.63	152.57
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	187.61	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	215.90	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	284.40	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	309.71	
08 71 11 00-2233 EA 42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated.....	2,042.28	152.57
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	205.84	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	236.88	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	312.02	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	339.80	
08 71 11 00-2234 EA Dummy Trim (DT) Pull Bracket, Von Duprin Series 55 .....	323.35	20.43
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	33.88	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	38.99	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	51.35	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	55.92	
08 71 11 00-2235 EA Cylinder Assembly, Von Duprin Series 55 .....	152.28	28.87
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	9.58	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	11.02	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	14.52	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	15.81	
08 71 11 00-2236 EA Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55.....	543.73	28.87
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	58.90	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	67.78	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	89.28	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	97.23	



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2237 EA Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55 ..... Note: Anodized finish; dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	586.23 60.13 69.20 91.16 99.27	40.87
08 71 11 00-2238 EA Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55 ..... Note: Anodized finish; dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	479.99 46.75 53.80 70.86 77.17	40.87
08 71 11 00-2239 EA Lever Trim (371L) With Cylinder, Von Duprin Series 55 ..... Note: Anodized finish; dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	586.23 60.13 69.20 91.16 99.27	40.87
08 71 11 00-2240 EA Lever Trim (575L) With Cylinder, Von Duprin Series 55 ..... Note: Anodized finish; dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	672.86 71.05 81.76 107.70 117.29	40.87
<b>08 71 11 00-2241 Cross Bar Exit Device, Von Duprin Series 88</b> <small>(08 71 11 00-2122)</small> Note: Grade 1, BHMA 156.3.		
08 71 11 00-2242 EA 42" Crossbar, Rim Type, Exit Device ..... Note: Anodized finish; dull brass or dull bronze. Von Duprin Series 88. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,211.98 27.44 28.32 241.62	122.59
08 71 11 00-2243 EA 42" Crossbar, Fire Rated, Rim Type, Exit Device ..... Note: Anodized finish; dull brass or dull bronze. Von Duprin Series 88-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,407.30 33.49 34.57 294.94	122.59
08 71 11 00-2244 EA 42" Crossbar, Surface Vertical Rods, Exit Device ..... Note: Anodized finish; dull brass or dull bronze. Von Duprin Series 8827. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,564.22 36.33 37.50 319.93	147.12
08 71 11 00-2245 EA 42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device ..... Note: Anodized finish; dull brass or dull bronze. Von Duprin Series 8827-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,986.71 49.43 51.02 435.27	147.12
08 71 11 00-2246 EA 42" Crossbar, Concealed Vertical Rods, Exit Device ..... Note: Anodized finish; dull brass or dull bronze. Von Duprin Series 8847. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,517.82 33.03 34.10 290.90	168.91
08 71 11 00-2247 EA 42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device ..... Note: Anodized finish; dull brass or dull bronze. Von Duprin Series 8847-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,902.00 44.94 46.39 395.78	168.91
08 71 11 00-2248 EA 42" Crossbar, Mortise Lock, Exit Device ..... Note: Anodized finish; dull brass or dull bronze. Von Duprin Series 8875. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,618.14 37.49 38.70 330.19	152.57
08 71 11 00-2249 EA 42" Crossbar, Fire Rated, Mortise Lock, Exit Device ..... Note: Anodized finish; dull brass or dull bronze. Von Duprin Series 8875-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,717.85 40.59 41.89 357.41	152.57
08 71 11 00-2250 EA Dummy Trim (Von Duprin Series 88, DT) ..... Note: Anodized finish; dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	183.61 4.00 4.13 35.25	20.43
08 71 11 00-2251 EA Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL) ..... Note: Anodized finish; dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	292.84 6.71 6.93 59.12	27.24
08 71 11 00-2252 EA Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T) ..... Note: Anodized finish; dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	506.15 12.31 12.71 108.43	40.87

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2253	EA		Lever Trim With Cylinder (Von Duprin Series 88, 373L) .....473.45	473.45	40.87
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	11.30	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	11.66	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	99.50	
08 71 11 00-2254	EA		Knob Trim With Cylinder (Von Duprin Series 88, K) .....363.13	363.13	40.87
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	7.88	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	8.13	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	69.39	
08 71 11 00-2255	EA		Thumbpiece Trim With Cylinder (Von Duprin Series 88, TP).....363.13	363.13	40.87
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	7.88	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	8.13	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	69.39	
<b>08 71 11 00-2256</b>			<b>Push Bar Exit Device, Precision Hardware Apex 2000 Series</b> (08 71 11 00-2122)		
			Note: Grade 1, BHMA 156.3. Anodized Aluminum Finish.		
08 71 11 00-2257	EA		3' Push Bar Exit Device, Rim Type (Precision Hardware 2100 Series).....1,722.88	1,722.88	122.59
			For 4' Push Bar, Add	13.00	
			For Owner Furnished Material, Deduct	-1,395.96	
08 71 11 00-2258	EA		3' Push Bar Exit Device, Rim Type, Fire Rated (Precision Hardware 2100 Series) .....1,818.80	1,818.80	122.59
			For 4' Push Bar, Add	13.00	
			For Owner Furnished Material, Deduct	-1,491.88	
08 71 11 00-2259	EA		3' Push Bar Exit Device, Surface Vertical Rod (Top Only) (Precision Hardware 2200 Series) .....2,362.55	2,362.55	147.12
			For 4' Push Bar, Add	13.00	
			For Owner Furnished Material, Deduct	-1,970.24	
08 71 11 00-2260	EA		3' Push Bar Exit Device, Surface Vertical Rod (Top Only), Fire Rated (Precision Hardware 2200 Series).....2,458.47	2,458.47	147.12
			For 4' Push Bar, Add	13.00	
			For Owner Furnished Material, Deduct	-2,066.16	
08 71 11 00-2261	EA		Exit Only, Cover Plate, Lever/Knob Trim (Precision 4901) .....210.20	210.20	16.35
			For Owner Furnished Material, Deduct	-166.61	
08 71 11 00-2262	EA		Exit Only, Dummy Trim, Lever/Knob Trim (Precision 4902A) .....560.61	560.61	20.43
			For Owner Furnished Material, Deduct	-506.13	
08 71 11 00-2263	EA		Key Retracts Latchbolt, Lever/Knob Trim (Precision 4903A) .....615.10	615.10	40.87
			For Owner Furnished Material, Deduct	-506.13	
08 71 11 00-2264	EA		Key Controls Lever/Knob, Lever/Knob Trim (Precision 4908A) .....741.32	741.32	40.87
			For Owner Furnished Material, Deduct	-632.35	
08 71 11 00-2265	EA		Key Controls Lever, Lever/Knob Trim (Precision V4908A) .....741.32	741.32	40.87
			For Owner Furnished Material, Deduct	-632.35	
08 71 11 00-2266	EA		Lever/Knob Always Active, Lever/Knob Trim (Precision 4914A).....741.32	741.32	40.87
			For Owner Furnished Material, Deduct	-632.35	
08 71 11 00-2267	EA		Exit Only, Cover Plate, Pull Trim (Precision 1701).....154.65	154.65	16.35
			For Owner Furnished Material, Deduct	-111.06	
08 71 11 00-2268	EA		Exit Only, Dummy Trim, Pull Trim (Precision 1702A).....329.63	329.63	20.43
			For Owner Furnished Material, Deduct	-275.15	
08 71 11 00-2269	EA		Key Retracts Latchbolt, Pull Trim (Precision 1703A) .....351.43	351.43	27.24
			For Owner Furnished Material, Deduct	-275.15	
08 71 11 00-2270	EA		Key Controls Thumb Piece, Pull Trim (Precision 1705A).....495.18	495.18	40.87
			For Owner Furnished Material, Deduct	-386.21	
08 71 11 00-2271	EA		Thumb Piece Always Active, Pull Trim (Precision 1715A) .....495.18	495.18	40.87
			For Owner Furnished Material, Deduct	-386.21	
<b>08 71 11 00-2272</b>			<b>Push Bar Exit Device, Stanley</b> (08 71 11 00-2122)		
08 71 11 00-2273	EA		Electric Rim Device With Lever (Stanley Percision ELR-TS2108 x 4908A) .....2,720.03	2,720.03	
<b>08 71 11 00-2274</b>			<b>Door Closers</b> (08 71 11)		
			Note: Includes standard cover and arm.		
08 71 11 00-2275	EA		Surface Mounted Standard Duty Door Closer (LCN 1460 Series) .....424.74	424.74	31.60
			For Delayed Action, Add	12.60	
			For AVB (5 LB Per Push), Add	6.60	
			For Fusible Link Arm, Add	39.60	
			For Shock Absorbing Arm, Add	19.80	
			For Hold Open Arm, Add	13.80	
			For Plated Brass Finish, Add	101.40	
			For Plated Finish With Clear Coat, Add	127.20	
			For Parallel Arm, Add	22.40	
08 71 11 00-2276	EA		Surface Mounted Heavy Duty Door Closer (LCN 4010/4020/4110 Series).....513.66	513.66	31.60
			For Delayed Action, Add	12.60	
			For AVB (5 LB Per Push), Add	6.60	
			For Fusible Link Arm, Add	39.60	
			For Shock Absorbing Arm, Add	19.80	
			For Hold Open Arm, Add	13.80	
			For Plated Brass Finish, Add	101.40	
			For Plated Finish With Clear Coat, Add	127.20	





<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2277 EA Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series).....	527.79	31.60
For Delayed Action, Add	12.60	
For AVB (5 LB Per Push), Add	6.60	
For Fusible Link Arm, Add	39.60	
For Shock Absorbing Arm, Add	19.80	
For Hold Open Arm, Add	13.80	
For Plated Brass Finish, Add	101.40	
For Plated Finish With Clear Coat, Add	127.20	
For Spring Cush Arm, Add	67.20	
For Parallel Arm And PA Shoe, Add	22.40	
For Stainless Steel Finish, Add	145.00	
08 71 11 00-2278 EA Surface Mounted High Security Door Closer With Metal Cover (LCN 4510) .....	545.49	31.60
For Delayed Action, Add	12.60	
For AVB (5 LB Per Push), Add	6.60	
For Fusible Link Arm, Add	39.60	
For Shock Absorbing Arm, Add	19.80	
For Hold Open Arm, Add	13.80	
For Plated Brass Finish, Add	101.40	
For Plated Finish With Clear Coat, Add	127.20	
08 71 11 00-2279 EA Surface Mounted Standard Duty Door Closer (Norton 8301) .....	358.14	31.60
For Parallel Arm, Add	22.40	
08 71 11 00-2280 EA Surface Mounted Standard Duty Door Closer (Norton 8501) .....	361.12	31.60
For Parallel Arm, Add	22.40	
08 71 11 00-2281 EA Screen Door - Closer .....	52.81	11.85
08 71 11 00-2282 EA Screen Door - Locking Handle.....	57.93	17.01
<b>08 71 11 00-2283 Concealed Door Closers (08 71 11)</b>		
08 71 11 00-2284 EA Non Hold Open, Floor Concealed Door Closer (Rixson 27/28).....	1,200.74	93.72
08 71 11 00-2285 EA Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27).....	1,284.08	93.72
08 71 11 00-2286 EA Concealed (In Door) Overhead Door Closer (LCN 3130) .....	606.92	38.14
For Hold Open Arm, Add	13.80	
For Plated Brass Finish, Add	101.40	
For Plated Finish With Clear Coat, Add	127.20	
08 71 11 00-2287 EA Concealed (In Frame) Overhead Door Closer (LCN 5010).....	655.67	38.14
For Delayed Action, Add	12.60	
For Hold Open Arm, Add	13.80	
For Plated Brass Finish, Add	101.40	
For Plated Finish With Clear Coat, Add	127.20	
<b>08 71 11 00-2288 Locks And Latches (08 71 11)</b>		
Note: All locksets are supplied with knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.		
<b>08 71 11 00-2289 Locksmith Services (08 71 11 00-2288)</b>		
08 71 11 00-2290 EA Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys.....	1.42	
For >50, Deduct	-0.28	
08 71 11 00-2291 EA Rekey Existing Cylinder To Match Existing Cylinders Or Master Key.....	130.82	
For >5, Deduct	-13.08	
08 71 11 00-2292 EA Removal And Replacement Of Cylinder With Owner Supplied Cylinder.....	130.82	
For >5, Deduct	-13.08	
08 71 11 00-2293 EA Removal And Replacement Of Cylinder With New Cylinder .....	145.95	
Note: Excludes core.		
For >5, Deduct	-13.08	
08 71 11 00-2294 EA Open Locked Doors.....	130.82	
08 71 11 00-2295 EA Install Owner Furnished Cores And Cylinders .....	54.88	
<b>08 71 11 00-2296 Mortise Locksets And Latchsets (08 71 11 00-2288)</b>		
Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.		
08 71 11 00-2297 EA Passage/Closet F01 Mortise Latchset .....	707.97	27.24
Note: Both sides always unlocked.		
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	19.77	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	17.97	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	29.95	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	211.45	
08 71 11 00-2298 EA Bath/Bedroom Privacy F02/F19 Mortise Lockset.....	841.06	27.24
Note: Locked with thumb knob inside.		
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	24.16	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	21.96	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	36.60	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	258.43	
08 71 11 00-2299 EA Entrance/Office F04 Mortise Lockset .....	935.20	27.24
Note: Locked with key outside and thumb knob inside.		
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	27.27	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	24.79	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	41.31	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	291.66	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 71 11 00-2300	EA	Classroom F05 Mortise Lockset.....	873.37		27.24
		Note: Locked with key outside. Inside always unlocked.			
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	25.23		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	22.93		
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	38.22		
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	269.83		
		For Security Function (Double Cylinder) With Visual Indicator, Add	73.09		
08 71 11 00-2301	EA	Storeroom/Closet F07 Mortise Lockset.....	873.37		27.24
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.			
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	25.23		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	22.93		
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	38.22		
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	269.83		
08 71 11 00-2302	EA	Entrance F08 Mortise Lockset.....	974.62		27.24
		Note: Locked with key outside and thumb knob inside.			
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	28.57		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	25.97		
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	43.28		
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	305.57		
08 71 11 00-2303	EA	Dormitory/Exit F13 Mortise Lockset.....	840.13		27.24
		Note: Locked with key outside and thumb knob inside.			
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	24.13		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	21.93		
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	36.56		
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	258.10		
08 71 11 00-2304		<b>Locks And Latches</b> (08 71 11 00-2288)			
08 71 11 00-2305		<b>Preassembled Locks And Latches</b> (08 71 11 00-2304)			
		Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.			
08 71 11 00-2306	EA	Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210).....	1,351.16		27.24
		Note: Both sides always unlocked.			
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	38.08		
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	63.47		
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	448.11		
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	236.11		
		For Grade 2, Deduct	-493.81		
08 71 11 00-2307	EA	Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220).....	1,462.14		27.24
		Note: Locked with push button inside.			
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	41.41		
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	69.02		
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	487.28		
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	256.76		
		For Grade 2, Deduct	-536.98		
08 71 11 00-2308	EA	Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261).....	1,661.14		27.24
		Note: Locked with key outside and push button inside.			
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	47.38		
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	78.97		
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	557.53		
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	293.77		
		For Grade 2, Deduct	-614.39		
08 71 11 00-2309	EA	Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255).....	1,661.14		27.24
		Note: Locked with key outside. Inside always unlocked.			
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	47.38		
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	78.97		
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	557.53		
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	293.77		
		For Grade 2, Deduct	-614.39		
08 71 11 00-2310	EA	Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257).....	1,661.14		27.24
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.			
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	47.38		
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	78.97		
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	557.53		
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	293.77		
		For Grade 2, Deduct	-614.39		
08 71 11 00-2311		<b>Bored Locks And Latches</b> (08 71 11 00-2304)			
		Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.			
08 71 11 00-2312	EA	Passage/Closet F75 Bored Latchset.....	250.11		27.24
		Note: Both sides always unlocked.			
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	4.23		
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	7.06		
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	49.82		
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	26.25		
		For Grade 2, Deduct	-7.06		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	2.82		
		For Interchangeable Core, Add	9.45		



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2313	EA		Bath/Bedroom Privacy F76 Bored Lockset .....283.76		27.24
			Note: Locked with push button inside.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	5.24	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.74	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	61.70	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	32.51	
			For Grade 2, Deduct	-8.74	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.50	
			For Interchangeable Core, Add	9.45	
08 71 11 00-2314	EA		Entrance/Office F82 Bored Lockset .....310.90		27.24
			Note: Locked with key outside and push button inside.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	6.06	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	10.10	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	71.28	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	37.56	
			For Grade 2, Deduct	-10.10	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	4.04	
			For Interchangeable Core, Add	9.45	
08 71 11 00-2315	EA		Classroom F84 Bored Lockset.....310.90		27.24
			Note: Locked with key outside. Inside always unlocked.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	6.06	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	10.10	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	71.28	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	37.56	
			For Grade 2, Deduct	-10.10	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	4.04	
			For Interchangeable Core, Add	9.45	
08 71 11 00-2316	EA		Storeroom/Closet F86 Bored Lockset.....310.90		27.24
			Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	6.06	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	10.10	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	71.28	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	37.56	
			For Grade 2, Deduct	-10.10	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	4.04	
			For Interchangeable Core, Add	9.45	
08 71 11 00-2317	EA		Corridor/Dormitory F90 Bored Lockset .....310.90		27.24
			Note: Locked with key outside and push button inside.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	6.06	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	10.10	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	71.28	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	37.56	
			For Grade 2, Deduct	-10.10	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	4.04	
			For Interchangeable Core, Add	9.45	
08 71 11 00-2318			<b>Other Locks</b> (08 71 11 00-2288)		
			Note: BHMA A156.5.		
08 71 11 00-2319	EA		Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421 .....832.50		141.67
08 71 11 00-2320	EA		Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461 .....1,856.78		283.33
08 71 11 00-2321	EA		One Sided Deadbolt For Restroom Or Public Toilet .....101.12		
			Note: No exterior plate.		
08 71 11 00-2322	EA		Firehose Extinguisher Cabinet Lock .....89.76		
08 71 11 00-2323			<b>Pushbutton Combination Locks</b> (08 71 11 00-2288)		
08 71 11 00-2324			<b>Mechanical Pushbutton Combination Locks</b> (08 71 11 00-2323)		
			Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
08 71 11 00-2325			<b>Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series)</b>		
			(08 71 11 00-2324)		
			Note: Satin chrome or antique brass finish.		
08 71 11 00-2326	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series) .....649.75		68.60
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2327	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series).....693.91		68.60
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2328	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series) .....711.57		68.60
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2329	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series) .....755.73		68.60
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2330	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series) .....724.82		68.60
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2331	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series).....768.98		68.60
			For Bright Chrome Or Bright Brass Finish, Add	17.50	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2332	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series).....	786.64	68.60
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2333	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series).....	830.80	68.60
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
<b>08 71 11 00-2334</b>			<b>Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series)</b> <small>(08 71 11 00-2324)</small> Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		
08 71 11 00-2335	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	714.22	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2336	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	749.55	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2337	EA		Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	820.20	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2338	EA		Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	846.70	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2339	EA		Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	846.70	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2340	EA		Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	802.54	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<b>08 71 11 00-2341</b>			<b>Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series)</b> <small>(08 71 11 00-2324)</small> Note: Satin chrome or antique brass finish.		
08 71 11 00-2342	EA		Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	852.88	68.60
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2343	EA		Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	879.38	68.60
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
<b>08 71 11 00-2344</b>			<b>Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470)</b> <small>(08 71 11 00-2324)</small> Note: Satin stainless, bright brass or antique brass finish.		
08 71 11 00-2345	EA		Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series).....	396.27	68.60
08 71 11 00-2346	EA		Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series).....	512.85	68.60
<b>08 71 11 00-2347</b>			<b>Electrical Pushbutton Combination Locks</b> <small>(08 71 11 00-2323)</small> Note: Privacy option limits access to privileged users (master codes).		
<b>08 71 11 00-2348</b>			<b>Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series)</b> <small>(08 71 11 00-2347)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.		
08 71 11 00-2349	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	671.83	68.60
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2350	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	777.81	68.60
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2351	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	804.30	68.60
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2352	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	760.14	68.60
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2353	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	715.99	68.60
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2354	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	804.30	68.60
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2355	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	821.97	68.60
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2356	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	848.46	68.60
			<i>For Satin Brass Finish, Add</i>	17.50	



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2357 EA Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series) ..... <i>For Satin Brass Finish, Add</i>	804.30 17.50	68.60
<b>08 71 11 00-2358 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series)</b> (08 71 11 00-2347) Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.		
08 71 11 00-2359 EA Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series) ..... <i>For Dark Bronze Finish With Brass Accents, Add</i> <i>For Remote Unlock, Add</i> Note: Excludes momentary contact switch.	848.46 70.00 97.16	68.60
08 71 11 00-2360 EA Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series) ..... <i>For Dark Bronze Finish With Brass Accents, Add</i> <i>For Remote Unlock, Add</i> Note: Excludes momentary contact switch.	848.46 70.00 97.16	68.60
<b>08 71 11 00-2361 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series)</b> (08 71 11 00-2347) Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2362 EA Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series) ..... <i>For Dark Bronze Finish With Brass Accents, Add</i> <i>For Remote Unlock, Add</i> Note: Excludes momentary contact switch.	985.36 70.00 97.16	68.60
08 71 11 00-2363 EA Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series) ..... <i>For Dark Bronze Finish With Brass Accents, Add</i> <i>For Remote Unlock, Add</i> Note: Excludes momentary contact switch.	985.36 70.00 97.16	68.60
<b>08 71 11 00-2364 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series)</b> (08 71 11 00-2347) Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2365 EA Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series) ..... <i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i> <i>For Dark Bronze Finish With Brass Accents, Add</i> <i>For Remote Unlock, Add</i> Note: Excludes momentary contact switch.	1,056.01 17.50 70.00 97.16	68.60
08 71 11 00-2366 EA Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series) ..... <i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i> <i>For Dark Bronze Finish With Brass Accents, Add</i> <i>For Remote Unlock, Add</i> Note: Excludes momentary contact switch.	1,144.33 17.50 70.00 97.16	68.60
08 71 11 00-2367 EA Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series) ..... <i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i> <i>For Dark Bronze Finish With Brass Accents, Add</i> <i>For Remote Unlock, Add</i> Note: Excludes momentary contact switch.	1,162.00 17.50 70.00 97.16	68.60
08 71 11 00-2368 EA Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series) ..... <i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i> <i>For Dark Bronze Finish With Brass Accents, Add</i> <i>For Remote Unlock, Add</i> Note: Excludes momentary contact switch.	1,188.49 17.50 70.00 97.16	68.60
08 71 11 00-2369 EA Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series) ..... <i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i> <i>For Dark Bronze Finish With Brass Accents, Add</i> <i>For Remote Unlock, Add</i> Note: Excludes momentary contact switch.	1,144.33 17.50 70.00 97.16	68.60
<b>08 71 11 00-2370 Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series)</b> (08 71 11 00-2347) Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2371 EA Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series) ..... <i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i> <i>For Dark Bronze Finish With Brass Accents, Add</i> <i>For Remote Unlock, Add</i> Note: Excludes momentary contact switch.	1,475.53 17.50 70.00 97.16	68.60

**08 Openings**

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2372	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,563.85	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	97.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2373	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,581.51	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	97.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2374	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,608.01	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	97.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2375	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,563.85	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	97.16	
			<i>Note: Excludes momentary contact switch.</i>		
<b>08 71 11 00-2376</b>			<b>Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series)</b> <small>(08 71 11 00-2347)</small>		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2377	EA		Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series).....	2,076.10	68.60
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	35.00	
<b>08 71 11 00-2378</b>			<b>Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series)</b> <small>(08 71 11 00-2347)</small>		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2379	EA		Twelve Button, Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series).....	1,320.97	68.60
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<b>08 71 11 00-2380</b>			<b>Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®)</b> <small>(08 71 11 00-2347)</small>		
08 71 11 00-2381	EA		Standard Software Implementation Kit (Kaba® E-Plex®).....	661.10	
08 71 11 00-2382	EA		Enterprise Software Implementation Kit (Kaba® E-Plex®).....	837.73	
08 71 11 00-2383	EA		E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®).....	1,102.69	
08 71 11 00-2384	EA		USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®).....	334.96	
08 71 11 00-2385	EA		High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series).....	101.63	
			<i>Note: Includes 4 C-cell battery pack.</i>		
08 71 11 00-2386	EA		12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series).....	120.18	
<b>08 71 11 00-2387</b>			<b>Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series)</b> <small>(08 71 11 00-2347)</small>		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome finish.</i>		
08 71 11 00-2388	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	826.38	68.60
			<i>For Owner Furnished Material, Deduct</i>	-551.99	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2389	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	932.37	68.60
			<i>For Owner Furnished Material, Deduct</i>	-657.98	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2390	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	958.86	68.60
			<i>For Owner Furnished Material, Deduct</i>	-684.47	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2391	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	914.70	68.60
			<i>For Owner Furnished Material, Deduct</i>	-640.31	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2392	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	870.54	68.60
			<i>For Owner Furnished Material, Deduct</i>	-596.15	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2393	EA		Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	958.86	68.60
			<i>For Owner Furnished Material, Deduct</i>	-684.47	
			<i>For Satin Brass Finish, Add</i>	17.50	



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2394	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	976.53	68.60
			<i>For Owner Furnished Material, Deduct</i>	-702.14	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2395	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	1,003.02	68.60
			<i>For Owner Furnished Material, Deduct</i>	-728.63	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2396	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	958.86	68.60
			<i>For Owner Furnished Material, Deduct</i>	-684.47	
			<i>For Satin Brass Finish, Add</i>	17.50	
<b>08 71 11 00-2397</b>			<b>Electrical Pushbutton Combination Locks (Schlage)</b> (08 71 11 00-2347)		
			Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2398	EA		Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D).....	954.66	68.11
			<i>For Owner Furnished Material, Deduct</i>	-682.23	
08 71 11 00-2399	EA		Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D).....	1,107.81	68.11
			<i>For Owner Furnished Material, Deduct</i>	-835.38	
08 71 11 00-2400	EA		Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626).....	1,252.01	68.11
			<i>For Owner Furnished Material, Deduct</i>	-979.58	
08 71 11 00-2401	EA		Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626).....	1,639.87	68.11
			<i>For Owner Furnished Material, Deduct</i>	-1,367.44	
08 71 11 00-2402	EA		Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626).....	1,794.01	68.11
			<i>For Owner Furnished Material, Deduct</i>	-1,521.58	
08 71 11 00-2403	EA		Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626).....	1,975.01	68.11
			<i>For Owner Furnished Material, Deduct</i>	-1,702.58	
08 71 11 00-2404	EA		Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626).....	1,813.91	68.11
			<i>For Owner Furnished Material, Deduct</i>	-1,541.48	
<b>08 71 11 00-2405</b>			<b>Residential Locks And Latchsets</b> (08 71 11 00-2288)		
08 71 11 00-2406	EA		Residential Entry Lockset With Knobs (Master Keyed).....	80.81	16.47
08 71 11 00-2407	EA		Residential Privacy Lockset With Knobs.....	79.12	16.47
08 71 11 00-2408	EA		Residential Passage Lockset With Knobs.....	78.90	16.47
08 71 11 00-2409	EA		Residential Dummy Lockset With Knobs.....	62.61	13.72
08 71 11 00-2410	EA		Residential Entry Lockset With Levers (Master Keyed).....	92.42	16.47
08 71 11 00-2411	EA		Residential Privacy Lockset With Levers.....	88.56	16.47
08 71 11 00-2412	EA		Residential Passage Lockset With Levers.....	85.77	16.47
08 71 11 00-2413	EA		Residential Dummy Lockset With Levers.....	63.94	13.72
<b>08 71 11 00-2414</b>			<b>Deadbolts</b> (08 71 11 00-2288)		
<b>08 71 11 00-2415</b>			<b>Cylindrical Deadbolts, Grade 1, ANSI 156.5</b> (08 71 11 00-2414)		
			Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2416	EA		Single Cylinder Deadbolt, Key One Side, Knob One Side.....	164.40	27.24
			Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
			<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2417	EA		Double Cylinder Deadbolt, Key Both Sides.....	184.84	27.24
			Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
			<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
<b>08 71 11 00-2418</b>			<b>Cylindrical Deadbolts, Grade 2, ANSI 156.5</b> (08 71 11 00-2414)		
			Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2419	EA		Single Cylinder Deadbolt, Key One Side, Knob One Side.....	150.39	27.24
			Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
			<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2420	EA		Double Cylinder Deadbolt, Key Both Sides.....	172.72	27.24
			Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
			<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
<b>08 71 11 00-2421</b>			<b>Small Case Mortised Deadbolts, Grade 1, ANSI 156.5</b> (08 71 11 00-2414)		
			Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.		
08 71 11 00-2422	EA		Small Case Mortised Deadbolt, Key One Side, Knob One Side.....	211.92	27.24
			Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
08 71 11 00-2423	EA		Small Case Mortised Deadbolt, Key Both Sides.....	230.85	27.24
			Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.		
08 71 11 00-2424	EA		Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side.....	208.14	27.24
			Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 71 11 00-2425 Mortised Deadbolts, Grade 1, ANSI 156.5</b> <small>(08 71 11 00-2414)</small>		
Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.		
08 71 11 00-2426 EA Mortised Deadbolt, Key One Side, Knob One Side.....	263.40	27.24
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).		
08 71 11 00-2427 EA Mortised Deadbolt, Key Both Sides.....	294.44	27.24
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.		
08 71 11 00-2428 EA Mortised Deadbolt, Key One Side, Cover Plate One Side.....	236.91	27.24
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).		
<b>08 71 11 00-2429 Surface Mounted Deadbolts</b> <small>(08 71 11 00-2414)</small>		
08 71 11 00-2430 EA Single Cylinder Surface Mounted Deadbolt.....	119.90	27.24
Note: Key one side, knob one side, bright brass finish.		
<i>For Brushed Chrome Finish, Add</i>	10.50	
08 71 11 00-2431 EA Double Cylinder Surface Mounted Deadbolt.....	133.57	27.24
Note: Key both sides, bright brass finish.		
<i>For Brushed Chrome Finish, Add</i>	10.50	
08 71 11 00-2432 EA Single Cylinder Surface Mounted Interlocking Deadbolt.....	144.45	27.24
Note: Jimmy proof, key one side, knob one side, bright brass finish.		
<i>For Brushed Chrome Finish, Add</i>	10.50	
08 71 11 00-2433 EA Double Cylinder Surface Mounted Interlocking Deadbolt.....	158.13	27.24
Note: Jimmy proof, key both sides, bright brass finish.		
<i>For Brushed Chrome Finish, Add</i>	10.50	
<b>08 71 11 00-2434 Surface Mounted Deadlatches</b> <small>(08 71 11 00-2288)</small>		
08 71 11 00-2435 EA Single Cylinder Surface Mounted Deadlatch.....	120.97	27.24
Note: Key one side, knob one side, bright brass finish.		
<i>For Brushed Chrome Finish, Add</i>	10.50	
08 71 11 00-2436 EA Single Cylinder Surface Mounted Interlocking Deadlatch.....	144.50	27.24
Note: Jimmy proof, key one side, knob one side, bright brass finish.		
<i>For Brushed Chrome Finish, Add</i>	10.50	
<b>08 71 11 00-2437 Electric Strikes</b> <small>(08 71 11 00-2288)</small>		
08 71 11 00-2438 EA 12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100).....	346.90	54.48
08 71 11 00-2439 EA 12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111).....	1,031.99	54.48
Note: For rim mounted lock		
08 71 11 00-2440 EA 12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112).....	985.63	54.48
Note: For rim mounted lock		
08 71 11 00-2441 EA 24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211).....	757.85	54.48
Note: For mortise or cylindrical locks		
08 71 11 00-2442 EA 24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212).....	1,036.93	54.48
Note: For mortise or cylindrical locks		
08 71 11 00-2443 EA 24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213).....	1,016.81	54.48
Note: For mortise or cylindrical locks		
08 71 11 00-2444 EA 24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214).....	1,109.62	54.48
Note: For mortise or cylindrical locks		
08 71 11 00-2445 EA 24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215).....	1,032.83	54.48
Note: For mortise or cylindrical locks		
08 71 11 00-2446 EA 12/24 Volt DC, 3,070 LB Static Strength, Stainless Steel Body, Dual Voltage Electric Strike (HES 1006).....	630.97	54.48
08 71 11 00-2447 EA 12/24 Volt DC, 3,000 LB Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500).....	627.21	54.48
08 71 11 00-2448 EA 12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Low Profile Electric Strike (HES 5000).....	304.05	54.48
08 71 11 00-2449 EA 12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Adjustable Electric Strike (HES 5200).....	304.05	54.48
08 71 11 00-2450 EA 12/24 Volt DC, 1,500 LB Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000).....	391.83	54.48
08 71 11 00-2451 EA 12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500).....	702.27	54.48
08 71 11 00-2452 EA 12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000).....	344.71	54.48
08 71 11 00-2453 EA 12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300).....	644.94	54.48
08 71 11 00-2454 EA 12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Concealed Electric Strike (HES 8500).....	569.25	54.48
08 71 11 00-2455 EA 12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400).....	675.31	71.92
08 71 11 00-2456 EA 12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500).....	769.69	71.92
08 71 11 00-2457 EA 12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600).....	675.81	71.92
<b>08 71 11 00-2458 Electric Hardware</b> <small>(08 71 11 00-2288)</small>		
08 71 11 00-2459 EA Electrified Cylindrical Lock Option.....	190.27	
Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.		
08 71 11 00-2460 EA Electrified Mortise Lock Option.....	221.82	
Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.		
08 71 11 00-2461 EA 24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	114.09	27.24
08 71 11 00-2462 EA 1 Ampere At 12/24 Volt DC, Door Hardware Power Supply.....	369.77	27.24
08 71 11 00-2463 EA 3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply.....	649.55	27.24
08 71 11 00-2464 EA 4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,000.64	27.24
08 71 11 00-2465 EA 6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,106.22	27.24
08 71 11 00-2466 EA 9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,322.90	27.24
08 71 11 00-2467 EA 15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,606.79	27.24





<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2468 EA 18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	95.72	27.24
08 71 11 00-2469 EA 24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	97.89	27.24
08 71 11 00-2470 EA 30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	111.18	27.24
08 71 11 00-2471 EA 45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	113.82	27.24
08 71 11 00-2472 EA 60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	115.16	27.24
08 71 11 00-2473 EA 72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	122.79	27.24
08 71 11 00-2474 EA 12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	97.10	27.24
08 71 11 00-2475 EA 18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	107.75	27.24
08 71 11 00-2476 EA 36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	116.19	27.24
08 71 11 00-2477 EA 49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	130.77	27.24
08 71 11 00-2478 EA 60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	134.82	27.24
08 71 11 00-2479 EA 12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	110.42	27.24
08 71 11 00-2480 EA 18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	125.33	27.24
08 71 11 00-2481 EA 18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	74.99	27.24
08 71 11 00-2482 EA 24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	86.52	27.24
08 71 11 00-2483 EA 30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	92.62	27.24
08 71 11 00-2484 EA 36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	99.15	27.24
08 71 11 00-2485 EA 60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	133.14	27.24
08 71 11 00-2486 EA 72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	147.34	27.24
08 71 11 00-2487 EA 12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	79.70	27.24
08 71 11 00-2488 EA 18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	84.15	27.24
08 71 11 00-2489 EA 24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	97.40	27.24
08 71 11 00-2490 EA 36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	118.48	27.24
08 71 11 00-2491 EA 48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	137.34	27.24
08 71 11 00-2492 EA 60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	168.31	27.24
08 71 11 00-2493 EA 12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	87.12	27.24
08 71 11 00-2494 EA 18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	93.94	27.24
08 71 11 00-2495 EA Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	684.81	27.24
08 71 11 00-2496 EA Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	743.79	38.14

**08 71 11 00-2497**

**Magnetic Locks** (08 71 11 00-2288)

08 71 11 00-2498 EA Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40).....	781.99	130.77
08 71 11 00-2499 EA Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ).....	941.55	147.12
08 71 11 00-2500 EA Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70).....	922.10	130.77
08 71 11 00-2501 EA Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ).....	1,081.38	147.12
08 71 11 00-2502 EA Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420).....	963.45	141.67
08 71 11 00-2503 EA Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450).....	1,059.54	141.67
08 71 11 00-2504 EA Electromagnetic Lock, 1,500 lb. Holding Force, Aluminum (Schlage M490).....	1,134.35	141.67
08 71 11 00-2505 EA Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P).....	1,243.53	163.46
Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2506 EA Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P).....	1,371.27	163.46
Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2507 EA Electromagnetic Lock, 1,500 lb. Holding Force, Aluminum (Schlage M490P).....	1,428.81	163.46
Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2508 EA 2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902).....	426.16	54.48
08 71 11 00-2509 EA 4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904).....	713.14	54.48
08 71 11 00-2510 EA 6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906).....	862.29	54.48

**08 71 11 00-2511**

**Door Coordinators** (08 71 11)

08 71 11 00-2512 EA 32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series).....	482.41	34.05
Note: Satin chrome finish. Includes two mounting brackets.		
<i>For Anodized Aluminum Finish, Deduct</i> -138.48		
08 71 11 00-2513 EA 42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series).....	506.77	35.42
Note: Satin chrome finish. Includes two mounting brackets.		
<i>For Anodized Aluminum Finish, Deduct</i> -146.04		
08 71 11 00-2514 EA 52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series).....	518.60	36.78
Note: Satin chrome finish. Includes two mounting brackets.		
<i>For Anodized Aluminum Finish, Deduct</i> -148.59		
08 71 11 00-2515 EA 60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series).....	541.27	38.14
Note: Satin chrome finish. Includes two mounting brackets.		
<i>For Anodized Aluminum Finish, Deduct</i> -155.48		
08 71 11 00-2516 EA 72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series).....	580.89	39.50
Note: Satin chrome finish. Includes two mounting brackets.		
<i>For Anodized Aluminum Finish, Deduct</i> -169.15		
08 71 11 00-2517 EA Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20").....	112.34	10.90
<i>For Anodized Aluminum Finish, Deduct</i> -27.50		
08 71 11 00-2518 EA Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32").....	123.61	12.26
<i>For Anodized Aluminum Finish, Deduct</i> -29.83		
08 71 11 00-2519 EA Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44").....	142.22	13.63
<i>For Anodized Aluminum Finish, Deduct</i> -35.10		
08 71 11 00-2520 EA Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1).....	103.35	13.63
08 71 11 00-2521 EA 7" Projection COR Series Gravity Type Door Coordinator.....	152.63	20.43
<i>For Anodized Aluminum Finish, Deduct</i> -28.36		
08 71 11 00-2522 EA 9" Projection COR Series Gravity Type Door Coordinator.....	163.98	20.43
<i>For Anodized Aluminum Finish, Deduct</i> -32.90		

**08 71 11 00-2523**

**Removal And Reinstallation Of Door Hardware** (08 71 11)

Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.

**08 Openings****08 70 Hardware****08 71 Door Hardware**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-2524	EA	Removal And Reinstallation Of Door Lockset, Entrance .....	81.73	
08 71 11 00-2525	EA	Removal And Reinstallation Of Door Lockset, Mortise .....	130.76	
08 71 11 00-2526	EA	Removal And Reinstallation Of Deadbolt Lock .....	87.18	
08 71 11 00-2527	PR	Removal And Reinstallation Of Butts/Hinges .....	21.79	
08 71 11 00-2528	EA	Removal And Reinstallation Of Door Bumper .....	7.62	
08 71 11 00-2529	EA	Removal And Reinstallation Of Surface Mounted Panic Device .....	217.95	
08 71 11 00-2530	EA	Removal And Reinstallation Of Kick Plate .....	27.24	
08 71 11 00-2531	EA	Removal And Reinstallation Of Push Plate .....	21.79	
08 71 11 00-2532	EA	Removal And Reinstallation Of Surface Mounted Door Closer Or Holder .....	108.97	
08 71 11 00-2533	EA	Removal And Reinstallation Of Door Handles .....	16.36	

**08 71 11 00-2534 Electromagnetic Door Release (08 71 11)**

08 71 11 00-2535	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release .....	563.56	68.65
08 71 11 00-2536	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release .....	549.46	68.65
08 71 11 00-2537	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release .....	620.52	68.65
08 71 11 00-2538	EA	24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release .....	1,039.99	68.65
08 71 11 00-2539	EA	24 Volt DC, Sliding Door, Electro-Magnetic Door Release .....	1,002.59	68.65
08 71 11 00-2540	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release .....	1,002.59	68.65
08 71 11 00-2541	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release .....	911.10	68.65
08 71 11 00-2542	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release .....	1,142.41	68.65
08 71 11 00-2543	EA	Photo Electric Smoke Detector Suitable For Door Holder Release .....	1,084.02	68.65
08 71 11 00-2544	EA	Ionization Type Smoke Detector Suitable For Door Holder Release .....	1,344.42	68.65
08 71 11 00-2545	EA	Surface Wall Mount, Electromagnetic Door Holder (Sargent 1560) .....	633.89	68.65
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2546	EA	Flush Mount, Electromagnetic Door Holder (Sargent 1561) .....	622.96	68.65
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2547	EA	Floor Mount, Electromagnetic Door Holder (LCN SEM7820) .....	964.58	68.65
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2548	EA	Surface Wall Mount, Electromagnetic Door Holder (LCN SEM7830) .....	668.83	68.65
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2549	EA	Low Profile Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7840) .....	668.83	68.65
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2550	EA	Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7850) .....	668.83	68.65
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		

**08 71 11 00-2551 University Hardware Standard (08 71 11)**

08 71 11 00-2552	EA	Unit Lock X Less Cylinder X 626 Finish X LH (Corbin Russwin UT5257ESE) .....	1,277.89	81.73
08 71 11 00-2553	EA	Von Duprin #CD99L Exit Device X 994LR X 626 Finish .....	2,207.79	170.54
08 71 11 00-2554	EA	LCN #L4041EDA Surface Mounted Closer X Aluminum .....	655.39	83.91
08 71 11 00-2555	EA	Schlage #L9453 Mortise Lockset X 626 X Less Cylinder X 03A .....	805.50	54.48
08 71 11 00-2556	EA	Alarm Lock Mortise Combination Lockset #DL3500 X 626 Finish .....	2,013.74	136.22
08 71 11 00-2557	EA	Medeco #10W0500 Mortise Lock Cylinder X 626 E3M Keyway .....	180.48	13.63
08 71 11 00-2558	EA	Corbin #1000-114-A01-6 Br 6 Mortise Cylinder X 626 Finish .....	96.89	13.63
08 71 11 00-2559	EA	Quality #431ES Door Stop X 626 Finish .....	30.15	10.90
08 71 11 00-2560	EA	Quality #48 Kick Plate 10x34, 626 Finish .....	74.48	16.35
08 71 11 00-2561	EA	Medeco 20W5005 X 626 Finish X E3M Keyway .....	262.21	54.48
08 71 11 00-2562	EA	Panel Interface Module (Schlage PIM400-485) .....	3,396.93	435.90

**08 71 13 Automatic Door Operators (08 71)****08 71 13 00-0001 Automatic Door Operators (LCN) (08 71 13)**

08 71 13 00-0002	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Arm (LCN 9131) .....	3,002.70	136.22
08 71 13 00-0003	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Arm (LCN 9142) .....	3,002.70	136.22
08 71 13 00-0004	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator With Arms (LCN 9153) .....	5,895.49	217.95
08 71 13 00-0005	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Pull Arm (LCN 9531) .....	3,763.19	136.22
		Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.		
08 71 13 00-0006	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Push Arm (LCN 9542) .....	3,763.19	136.22
		Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.		
08 71 13 00-0007	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator with Arms (LCN 9553) .....	6,468.01	217.95
08 71 13 00-0008	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator with Arms (LCN 9563) .....	7,613.06	217.95
08 71 13 00-0009	EA	Door Position Switch (LCN 8310-805) .....	63.03	
08 71 13 00-0010	EA	3-Position Key Switch (LCN 8310-806K) .....	340.26	
08 71 13 00-0011	EA	4-3/4" x 4-3/4" Wall Mount Actuator (LCN 8310-813) .....	815.37	
08 71 13 00-0012	EA	1-1/2" x 4-3/4" Jamb Mount Actuator (LCN 8310-818) .....	182.99	
08 71 13 00-0013	EA	36" High Full Length Actuator (LCN 8310-836T) .....	745.94	
08 71 13 00-0014	EA	6" Round Wall Mount Actuator (LCN 8310-852) .....	252.03	
08 71 13 00-0015	EA	42" x 4" x 6" Post Bollard (LCN 8310-866) .....	892.13	
08 71 13 00-0016	EA	Small Format Interchangeable Core (SFIC) Horizontal Tailpiece Rim Cylinder (Schlage 80-116-ICX) .....	99.24	
08 71 13 00-0017	EA	Small Format Interchangeable Core (SFIC) 7 Pin Interchangeable Core (Falcon C607) .....	125.12	



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 71 13 00-0018 Automatic Door Operators (Stanley)</b> <small>(08 71 13)</small>		
08 71 13 00-0019 EA Automatic Door Operator, Surface Mount With Key Switch (Stanley D-4990).....	3,792.40	217.95
08 71 13 00-0020 EA 6" Round Stainless Steel Actuator (Stanley CL2216).....	233.42	
08 71 13 00-0021 EA Power Supply (Stanley Precision ELR151).....	815.56	
08 71 13 00-0022 EA Low Energy Door Operator, Push Side Mount Application With Standard Arm (Stanley D-4990).....	2,896.35	108.97
Note: Includes control box with conduit access, motor, operator and D-4550 door closer. Excludes electrical connections		
08 71 13 00-0023 EA Door Operator Free Standing Push Plate Post (Stanley CL2247).....	464.76	72.68
Note: Includes mounting post only		
08 71 13 00-0024 EA Dual Vestibule Push Plate Door Operator (Stanley CL2388).....	306.96	34.81
Note: Includes 4-3/4" Dual Vestibule Push Plate and electrical connection. Excludes junction Box		
08 71 13 00-0025 EA Jamb Mount, Push Plate Door Operator (Stanley CL2055).....	190.71	34.81
Note: Includes 4-3/4" Jamb Mount Push Plate and Electrical Connections. Excludes junction Box		
08 71 13 00-0026 EA Touchless Plate Door Operator (Stanley CL2025).....	302.97	34.81
Note: Includes Touchless Plate and Electrical Connection. Excludes junction Box		
08 71 13 00-0027 EA Door Operator Push Plate Assembly (Stanley CL4976).....	1,037.25	52.25
Note: Includes 2 Push Plates, 2 Surface Boxes, 2 Transmitters and 1 Receiver		
<b>08 71 13 00-0028 Miscellaneous Devices</b> <small>(08 71 13)</small>		
08 71 13 00-0029 EA Electric Power Transformer (Von Duprin EPT-2) For Magnetic Monitor Switches.....	429.96	40.87
08 71 13 00-0030 EA Magnetic Monitor Switch, SS Finish (Von Duprin MS 764).....	132.31	24.52
08 71 13 00-0031 EA 24 Volt AC, 3 Amperes, Transformer (Von Duprin PT 750).....	165.62	24.52
08 71 13 00-0032 EA Automatic Door Bottoms, Fully Mortise Cam Bottom Type To Fit 1-1/2" x 3/4" Mortise Channel At Door Bottom (National Guard Products 320S).....	96.95	24.52
<b>08 71 53 Security Door Hardware</b> <small>(08 71)</small>		
<b>08 71 53 00-0001 Door Exit Alarm Hardware</b> <small>(08 71 53)</small>		
08 71 53 00-0002 EA Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500).....	356.47	40.87
08 71 53 00-0003 EA Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W).....	495.31	40.87
08 71 53 00-0004 EA Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300).....	415.77	40.87
Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0005 EA Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W).....	538.57	40.87
Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0006 EA Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500).....	624.77	54.48
08 71 53 00-0007 EA Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S).....	109.61	54.48
Note: For use with Detex EAX exit alarms.		
<b>08 72 Weatherstripping, Thresholds and Seals</b> <small>(08 70)</small>		
<b>08 72 33 Weatherstripping and Seals</b> <small>(08 72)</small>		
<b>08 72 33 00-0001 Weather-Stripping And Seals</b> <small>(08 72 33)</small>		
<b>08 72 33 00-0002 Astragals</b> <small>(08 72 33 00-0001)</small>		
Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.		
<b>08 72 33 00-0003 Adhesive Backed Astragals</b> <small>(08 72 33 00-0002)</small>		
08 72 33 00-0004 LF 7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771).....	4.31	0.82
08 72 33 00-0005 LF 1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772).....	4.78	0.82
08 72 33 00-0006 LF 1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110).....	3.70	0.82
<b>08 72 33 00-0007 Overlapping Astragals</b> <small>(08 72 33 00-0002)</small>		
<b>08 72 33 00-0008 Aluminum, Overlapping Astragals</b> <small>(08 72 33 00-0007)</small>		
08 72 33 00-0009 LF 2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C).....	17.58	4.90
<i>For Color Anodized Finish, Add 2.37</i>		
<b>08 72 33 00-0010 Stainless Steel, Overlapping Astragals</b> <small>(08 72 33 00-0007)</small>		
08 72 33 00-0011 LF 2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS).....	34.39	4.90
<b>08 72 33 00-0012 "T" Astragals</b> <small>(08 72 33 00-0002)</small>		
<b>08 72 33 00-0013 Aluminum, "T" Astragals</b> <small>(08 72 33 00-0012)</small>		
08 72 33 00-0014 LF 1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A).....	11.81	4.90
<i>For Color Anodized Finish, Add 0.74</i>		
08 72 33 00-0015 LF Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV).....	14.58	4.90
<i>For Color Anodized Finish, Add 0.98</i>		
08 72 33 00-0016 LF Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP).....	15.01	4.90
<i>For Color Anodized Finish, Add 1.86</i>		
<i>For Silicone Insert, Add 0.63</i>		
08 72 33 00-0017 LF Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR).....	26.86	4.90
<i>For Color Anodized Finish, Add 6.01</i>		

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0018	LF		Silicon Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BS).....	81.26	4.90
08 72 33 00-0019	LF		Silicon Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CS).....	18.30	4.90
08 72 33 00-0020	LF		Silicon Insert, 1-3/8" Width, 1/4" Height, Satin Nickel Anodized Aluminum, "T" Astragal (Pemko 355SNS).....	21.28	4.90
<b>08 72 33 00-0021</b>			<b>Brass/Bronze, "T" Astragals</b> (08 72 33 00-0012)		
08 72 33 00-0022	LF		Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP).....	76.96	4.90
			<i>For Silicone Insert, Add</i>	0.63	
<b>08 72 33 00-0023</b>			<b>Locking Astragals</b> (08 72 33 00-0002)		
<b>08 72 33 00-0024</b>			<b>Outswing Locking Astragals</b> (08 72 33 00-0023)		
			Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
<b>08 72 33 00-0025</b>			<b>Aluminum, Outswing Locking Astragals</b> (08 72 33 00-0024)		
08 72 33 00-0026	LF		Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS).....	35.59	4.90
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			<i>For Color Anodized Finish, Add</i>	5.18	
08 72 33 00-0027	LF		Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS).....	41.14	4.90
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			<i>For Color Anodized Finish, Add</i>	6.29	
08 72 33 00-0028	LF		Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ).....	39.79	4.90
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			<i>For Thermal Break, Add</i>	1.81	
08 72 33 00-0029	LF		Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ).....	44.30	4.90
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			<i>For Thermal Break, Add</i>	2.08	
<b>08 72 33 00-0030</b>			<b>Inswing Locking Astragals</b> (08 72 33 00-0023)		
			Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
<b>08 72 33 00-0031</b>			<b>Wood, Inswing Locking Astragals</b> (08 72 33 00-0030)		
08 72 33 00-0032	LF		Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832).....	41.48	4.90
08 72 33 00-0033	LF		Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q).....	41.28	4.90
			Note: Includes kerf-in foam seal.		
<b>08 72 33 00-0034</b>			<b>Aluminum, Inswing Locking Astragals</b> (08 72 33 00-0030)		
08 72 33 00-0035	LF		Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV).....	23.95	4.90
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	2.85	
08 72 33 00-0036	LF		Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV).....	28.59	4.90
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	3.78	
08 72 33 00-0037	LF		Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ).....	25.71	4.90
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			<i>For Magnetic Kerf-In Insert, Add</i>	0.47	
			<i>For Color Anodized Finish, Add</i>	3.20	
08 72 33 00-0038	LF		Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ).....	30.31	4.90
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			<i>For Magnetic Kerf-In Insert, Add</i>	0.47	
			<i>For Color Anodized Finish, Add</i>	4.12	
<b>08 72 33 00-0039</b>			<b>Security Astragals</b> (08 72 33 00-0002)		
08 72 33 00-0040	LF		Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C).....	22.41	4.90
			<i>For Color Anodized Finish, Add</i>	12.72	
08 72 33 00-0041	LF		2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP).....	37.01	4.90
<b>08 72 33 00-0042</b>			<b>Meeting Stile Astragals</b> (08 72 33 00-0002)		
<b>08 72 33 00-0043</b>			<b>One Piece, Meeting Stile Astragals</b> (08 72 33 00-0042)		
			Note: Includes an astragal for one door only.		
08 72 33 00-0044	LF		1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP).....	14.42	4.90
			<i>For Color Anodized Finish, Add</i>	1.42	
08 72 33 00-0045	LF		1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN).....	22.44	7.30
			<i>For Color Anodized Finish, Add</i>	3.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0046 LF 9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN) .....	29.30	7.30
<i>For Color Anodized Finish, Add</i>	1.48	
08 72 33 00-0047 LF 15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN) .....	30.18	7.30
<i>For Color Anodized Finish, Add</i>	3.91	
08 72 33 00-0048 LF 1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71).....	44.89	7.30
<b>08 72 33 00-0049 Two Piece, Meeting Stile Split Astragals (08 72 33 00-0042)</b>		
Note: Includes one astragal for each door.		
08 72 33 00-0050 LF 1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV) .....	18.18	7.30
<i>For Silicone Insert, Add</i>	0.95	
<i>For Color Anodized Finish, Add</i>	3.63	
08 72 33 00-0051 LF 1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV) .....	18.18	7.30
<i>For Color Anodized Finish, Add</i>	3.63	
08 72 33 00-0052 LF 1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV) .....	18.18	7.30
<i>For Silicone Insert, Add</i>	0.95	
<i>For Color Anodized Finish, Add</i>	3.63	
08 72 33 00-0053 LF 3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN) .....	27.80	7.30
<i>For Silicone Insert, Add</i>	0.63	
<i>For Color Anodized Finish, Add</i>	2.65	
08 72 33 00-0054 LF 3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB).....	23.07	7.30
<i>For Color Anodized Finish, Add</i>	3.41	
08 72 33 00-0055 LF 5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB).....	23.70	7.30
<i>For Color Anodized Finish, Add</i>	3.66	
08 72 33 00-0056 LF 3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV) .....	28.43	7.30
<i>For Color Anodized Finish, Add</i>	6.94	
<i>For Silicone Insert, Add</i>	0.95	
08 72 33 00-0057 LF 3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB) .....	29.06	7.30
<i>For Color Anodized Finish, Add</i>	5.80	
08 72 33 00-0058 LF 5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB) .....	29.69	7.30
<i>For Color Anodized Finish, Add</i>	6.06	
<b>08 72 33 00-0059 Two Piece, Adjustable Meeting Stile Split Astragals (08 72 33 00-0042)</b>		
Note: Includes one astragal for each door.		
<b>08 72 33 00-0060 Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0059)</b>		
08 72 33 00-0061 LF 3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP).....	52.09	7.30
<i>For Color Anodized Finish, Add</i>	9.39	
<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0062 LF 3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP) .....	53.08	7.30
<i>For Silicone Insert, Add</i>	0.63	
<i>For Color Anodized Finish, Add</i>	7.71	
<b>08 72 33 00-0063 Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0059)</b>		
08 72 33 00-0064 LF 3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP).....	242.39	7.30
<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0065 LF 3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP) .....	226.45	7.30
<i>For Silicone Insert, Add</i>	0.63	
<b>08 72 33 00-0066 Door Sweeps (08 72 33 00-0001)</b>		
<b>08 72 33 00-0067 Tack On Door Sweeps (08 72 33 00-0066)</b>		
08 72 33 00-0068 LF For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365) .....	6.56	2.73
08 72 33 00-0069 LF For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364).....	6.66	2.73
08 72 33 00-0070 LF For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V) .....	6.93	2.73
<b>08 72 33 00-0071 Aluminum Retainer Door Sweeps (08 72 33 00-0066)</b>		
<b>08 72 33 00-0072 35 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0071)</b>		
Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0073 LF 5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB) .....	15.46	5.45
<i>For Color Anodized Finish, Add</i>	1.83	
08 72 33 00-0074 LF 1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB) .....	15.94	5.45
<i>For Color Anodized Finish, Add</i>	1.77	

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**MINOR  
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<b>08 72 33 00-0075</b>	<b>45 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0071)		
	Note: The retainer mounts to the door face with the sweep positioned 45 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0076	LF 1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB) .....	23.51	5.45
	For Color Anodized Finish, Add	5.05	
08 72 33 00-0077	LF 2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB) .....	25.40	5.45
	For Color Anodized Finish, Add	5.80	
08 72 33 00-0078	LF 4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB).....	29.50	5.45
	For Color Anodized Finish, Add	7.44	
<b>08 72 33 00-0079</b>	<b>90 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0071)		
	Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0080	LF 3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB).....	17.04	5.45
	For Color Anodized Finish, Add	0.62	
08 72 33 00-0081	LF 5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB).....	16.88	5.45
	For Color Anodized Finish, Add	0.60	
08 72 33 00-0082	LF 1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB).....	17.99	5.45
	For Color Anodized Finish, Add	2.49	
08 72 33 00-0083	LF 1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB) .....	18.46	5.45
	For Color Anodized Finish, Add	3.03	
08 72 33 00-0084	LF 7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN).....	16.57	5.45
	For Color Anodized Finish, Add	1.42	
08 72 33 00-0085	LF 11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN).....	20.98	5.45
	For Color Anodized Finish, Add	2.02	
08 72 33 00-0086	LF 15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN).....	17.51	5.45
	For Color Anodized Finish, Add	1.32	
08 72 33 00-0087	LF 9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV) .....	13.37	5.45
	Note: Includes mill finish.		
	For Color Anodized Finish, Add	1.24	
08 72 33 00-0088	LF 1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV) .....	13.49	5.45
	Note: Includes mill finish.		
	For Color Anodized Finish, Add	1.30	
08 72 33 00-0089	LF 1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV).....	14.83	5.45
	Note: Includes mill finish.		
	For Color Anodized Finish, Add	1.38	
<b>08 72 33 00-0090</b>	<b>180 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0071)		
	Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
<b>08 72 33 00-0091</b>	<b>180 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0090)		
08 72 33 00-0092	LF 3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB).....	15.15	5.45
	For Color Anodized Finish, Add	1.70	
08 72 33 00-0093	LF 5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB).....	15.46	5.45
	For Color Anodized Finish, Add	1.83	
08 72 33 00-0094	LF 1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB).....	17.99	5.45
	For Color Anodized Finish, Add	2.49	
<b>08 72 33 00-0095</b>	<b>180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0090)		
08 72 33 00-0096	LF 3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB).....	18.14	5.45
	For Color Anodized Finish, Add	2.90	
08 72 33 00-0097	LF 5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB).....	18.46	5.45
	For Color Anodized Finish, Add	3.03	
08 72 33 00-0098	LF 1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB).....	19.79	5.45
	For Color Anodized Finish, Add	3.56	
<b>08 72 33 00-0099</b>	<b>Mortised, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0071)		
	Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 72 33 00-0100	LF 1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB).....	13.73	5.45
08 72 33 00-0101	LF 13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB) .....	13.73	5.45
08 72 33 00-0102	LF 5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB).....	13.89	5.45
<b>08 72 33 00-0103</b>	<b>Aluminum Retainer Door Sweeps With Rain Drip</b> (08 72 33 00-0066)		
<b>08 72 33 00-0104</b>	<b>90 Degree, Aluminum Retainer Door Sweeps With Rain Drip</b> (08 72 33 00-0103)		
	Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 72 33 00-0105	LF 1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV) .....	13.41	5.45
	For Color Anodized Finish, Add	1.76	
08 72 33 00-0106	LF 1/4" Vinyl Insert, 90 Degree, Clear Anodized Aluminum Retainer Door Sweep (Pemko 3452CV) .....	15.84	5.45
08 72 33 00-0107	LF 1/4" Vinyl Insert, 90 Degree, Satin Nickel Anodized Aluminum Retainer Door Sweep (Pemko 3452SNV).....	16.15	5.45
08 72 33 00-0108	LF 1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV) .....	15.46	5.45
	For Color Anodized Finish, Add	1.83	



<b>Openings</b>	<b>08</b>	<b>08</b>
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<b>Weatherstripping, Thresholds and Seals</b>	<b>08 72</b>	

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08 72 33 00-0109 LF 3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB).....	17.00	5.45
Note: Includes clear anodized finish.		
For Color Anodized Finish, Add	1.22	
08 72 33 00-0110 LF 7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB).....	17.28	5.45
For Color Anodized Finish, Add	1.28	
<b>08 72 33 00-0111 Brass/Bronze Retainer Door Sweeps (08 72 33 00-0066)</b>		
<b>08 72 33 00-0112 90 Degree, Brass/Bronze Retainer Door Sweeps (08 72 33 00-0111)</b>		
Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0113 LF 7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN) .....	20.35	5.45
<b>08 72 33 00-0114 Oak Retainer Door Sweeps (08 72 33 00-0066)</b>		
<b>08 72 33 00-0115 90 Degree, Oak Retainer Door Sweeps (08 72 33 00-0114)</b>		
Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0116 LF 9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB) .....	16.73	5.45
08 72 33 00-0117 LF 15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB) .....	19.21	5.45
<b>08 72 33 00-0118 Door Shoes And Bottoms (08 72 33 00-0001)</b>		
<b>08 72 33 00-0119 Door Shoes (08 72 33 00-0118)</b>		
<b>08 72 33 00-0120 Aluminum Retainer Door Shoes (08 72 33 00-0119)</b>		
<b>08 72 33 00-0121 Bottom Mount, Aluminum Retainer Door Shoes (08 72 33 00-0120)</b>		
08 72 33 00-0122 LF Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV).....	14.68	5.45
For Color Anodized Finish, Add	1.52	
For Thermo-Plastic Elastomer Insert, Add	0.68	
08 72 33 00-0123 LF Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV).....	15.15	5.45
For Color Anodized Finish, Add	1.70	
08 72 33 00-0124 LF Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV) .....	19.72	5.45
For Color Anodized Finish, Add	1.77	
<b>08 72 33 00-0125 Side Mount, Aluminum Retainer Door Shoes (08 72 33 00-0120)</b>		
08 72 33 00-0126 LF Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV) .....	16.73	5.45
For Color Anodized Finish, Add	2.34	
For Thermo-Plastic Elastomer Insert, Add	0.68	
<b>08 72 33 00-0127 L Or U Shaped, Aluminum Retainer Door Shoes (08 72 33 00-0120)</b>		
08 72 33 00-0128 LF Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV) .....	15.46	5.45
For Color Anodized Finish, Add	2.29	
For Thermo-Plastic Elastomer Insert, Add	0.42	
08 72 33 00-0129 LF Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV).....	16.41	5.45
For Color Anodized Finish, Add	2.21	
For Thermo-Plastic Elastomer Insert, Add	0.42	
08 72 33 00-0130 LF Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV).....	16.73	5.45
For Color Anodized Finish, Add	2.34	
For Thermo-Plastic Elastomer Insert, Add	0.42	
08 72 33 00-0131 LF Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV) .....	23.14	5.45
For Color Anodized Finish, Add	2.45	
08 72 33 00-0132 LF Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV) .....	23.45	5.45
For Color Anodized Finish, Add	2.51	
08 72 33 00-0133 LF PemkoPrene Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216APK) .....	21.60	5.45
08 72 33 00-0134 LF PemkoPrene Insert, 1-3/4" Width, U-Shaped With Rain Drip, Satin Nickel Anodized Aluminum Retainer Door Shoe (Pemko 216SNPK).....	27.00	5.45
08 72 33 00-0135 LF PemkoPrene Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217APK) .....	19.78	5.45
08 72 33 00-0136 LF PemkoPrene Insert, 1-3/4" Width, U-Shaped, Satin Nickel Anodized Aluminum Retainer Door Shoe (Pemko 217SNPK).....	27.04	5.45
<b>08 72 33 00-0137 L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes (08 72 33 00-0120)</b>		
08 72 33 00-0138 LF Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV) .....	15.78	5.45
For Color Anodized Finish, Add	2.45	
For Thermo-Plastic Elastomer Insert, Add	0.42	
08 72 33 00-0139 LF Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV).....	16.73	5.45
For Color Anodized Finish, Add	2.34	
For Thermo-Plastic Elastomer Insert, Add	0.42	
08 72 33 00-0140 LF Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV).....	16.88	5.45
For Color Anodized Finish, Add	2.40	
For Thermo-Plastic Elastomer Insert, Add	0.42	
<b>08 72 33 00-0141 Vinyl Door Shoes (08 72 33 00-0119)</b>		
08 72 33 00-0142 LF 1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80) .....	18.86	5.45
08 72 33 00-0143 LF 1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV).....	22.46	5.45

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**MINOR  
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08 72 33 00-0144	Door Bottoms (08 72 33 00-0118)		
08 72 33 00-0145	Automatic Door Bottoms (08 72 33 00-0144)		
08 72 33 00-0146	Aluminum Automatic Door Bottoms (08 72 33 00-0145)		
08 72 33 00-0147	LF Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL).....	31.66	5.45
	For Color Anodized Finish, Add	4.15	
08 72 33 00-0148	LF Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL).....	44.66	5.45
	For Color Anodized Finish, Add	6.75	
08 72 33 00-0149	Door Top Protection (08 72 33 00-0001)		
08 72 33 00-0150	LF Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343).....	12.18	4.36
	For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	0.95	
08 72 33 00-0151	LF Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344).....	12.18	4.36
	For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	0.95	
08 72 33 00-0152	LF 2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C).....	18.94	4.36
	For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	2.80	
08 72 33 00-0153	EA For 20 Oz Copper Drip Cap For Exterior Door.....	72.52	
08 72 33 00-0154	Perimeter Gasketing Weather-Strip (08 72 33 00-0001)		
	Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0155	Adhesive Backed Perimeter Gasketing Weather-Strip (08 72 33 00-0154)		
08 72 33 00-0156	LF 3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33) .....	3.85	2.73
	For Intumescent Seal, Add	1.50	
08 72 33 00-0157	LF 1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55) .....	3.89	2.73
	For Intumescent Seal, Add	1.50	
08 72 33 00-0158	LF 1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88).....	5.57	2.73
08 72 33 00-0159	LF 7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44) .....	4.19	2.73
08 72 33 00-0160	LF 5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77) .....	5.41	2.73
	For Intumescent Seal, Add	1.50	
08 72 33 00-0161	LF 1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773).....	5.04	2.73
	For Intumescent Seal, Add	1.50	
08 72 33 00-0162	LF 7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44) .....	6.56	2.73
08 72 33 00-0163	LF 1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88).....	6.09	2.73
08 72 33 00-0164	Kerf-In Perimeter Gasketing Weather-Strip (08 72 33 00-0154)		
08 72 33 00-0165	LF 3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50).....	3.46	2.73
08 72 33 00-0166	LF 7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52).....	5.01	2.73
08 72 33 00-0167	LF 3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103).....	3.84	2.73
08 72 33 00-0168	LF 5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102).....	3.79	2.73
08 72 33 00-0169	LF 3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349).....	4.85	2.73
08 72 33 00-0170	Cushion/Spring Perimeter Gasketing Weather-Strip (08 72 33 00-0154)		
08 72 33 00-0171	Spring Bronze Perimeter Gasketing Weather-Strip (08 72 33 00-0170)		
08 72 33 00-0172	LF 1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C).....	9.80	2.73
08 72 33 00-0173	LF 1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D).....	9.80	2.73
08 72 33 00-0174	LF 1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E).....	10.67	2.73
08 72 33 00-0175	LF 1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F).....	10.85	2.73
08 72 33 00-0176	Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (08 72 33 00-0170)		
08 72 33 00-0177	LF 5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73).....	9.33	2.73
08 72 33 00-0178	LF 7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74).....	10.67	2.73
08 72 33 00-0179	LF 1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75) .....	12.14	2.73
08 72 33 00-0180	Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0154)		
08 72 33 00-0181	Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0180)		
08 72 33 00-0182	LF 1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV).....	7.26	2.73
	For Silicone Insert, Add	0.95	
	For Color Anodized Finish, Add	1.81	
08 72 33 00-0183	LF 1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV).....	7.26	2.73
	For Silicone Insert, Add	0.95	
	For Color Anodized Finish, Add	1.81	
08 72 33 00-0184	LF 1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV).....	7.26	2.73
	For Silicone Insert, Add	0.95	
	For Color Anodized Finish, Add	1.81	





<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Weatherstripping, Thresholds and Seals</b>	<b>08 72</b>	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0185	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN).....	12.07	2.73
		<i>For Silicone Insert, Add</i>	0.63	
		<i>For Color Anodized Finish, Add</i>	1.32	
08 72 33 00-0186	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV).....	12.39	2.73
		<i>For Color Anodized Finish, Add</i>	3.47	
		<i>For Silicone Insert, Add</i>	0.95	
08 72 33 00-0187	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR).....	12.39	2.73
		<i>For Color Anodized Finish, Add</i>	2.43	
08 72 33 00-0188		<b>Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0188)		
08 72 33 00-0189		<b>Standard Jamb, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0188)		
08 72 33 00-0190	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV).....	11.84	2.73
		<i>For Silicone Insert, Add</i>	0.95	
08 72 33 00-0191		<b>Head Section, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0188)		
08 72 33 00-0192	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV).....	13.09	2.73
08 72 33 00-0193		<b>Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0154)		
08 72 33 00-0194		<b>Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0193)		
08 72 33 00-0195	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR).....	31.56	2.73
		<i>For Silicone Insert, Add</i>	1.58	
08 72 33 00-0196	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR).....	54.96	2.73
08 72 33 00-0197		<b>Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0193)		
08 72 33 00-0198		<b>Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0197)		
08 72 33 00-0199	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290EV).....	47.18	2.73
		<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0200		<b>Aluminum Interlock, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0154)		
08 72 33 00-0201	LF	Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A).....	17.42	5.45
		Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.		
		<i>For Color Anodized Finish, Add</i>	2.61	
08 72 33 00-0202	LF	Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR).....	17.97	5.45
		Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.		
		<i>For Color Anodized Finish, Add</i>	2.83	
08 72 33 00-0203		<b>Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0154)		
		Note: Seals gaps from 1/16" to 1/4".		
08 72 33 00-0204	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR).....	21.00	2.73
		<i>For Color Anodized Finish, Add</i>	3.11	
08 72 33 00-0205	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR).....	22.10	2.73
		<i>For Color Anodized Finish, Add</i>	3.33	
08 72 33 00-0206		<b>Perimeter Gasketing Weather-Strip Applied To Header</b> (08 72 33 00-0154)		
08 72 33 00-0207	LF	1-1/2" Wide x 1/4" High, Silicon Insert, Perimeter Gasketing (Pemko 2891AS).....	17.06	5.45
<b>08 72 43</b>		<b>Thresholds</b> (08 72)		
08 72 43 00-0001		<b>Thresholds</b> (08 72 43)		
		Note: Includes material, fasteners, installation, caulk and sealants.		
08 72 43 00-0002		<b>Metal Thresholds</b> (08 72 43 00-0001)		
08 72 43 00-0003		<b>Saddle Thresholds</b> (08 72 43 00-0002)		

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 72 43 00-0004	Aluminum Saddle Thresholds (08 72 43 00-0003) Note: Includes mill finish.		
08 72 43 00-0005	3/16" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0006	LF 2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A) ..... For Color Anodized Finish, Add	27.77 2.40	8.72
08 72 43 00-0007	1/4" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0008	LF 3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A) ..... For Color Anodized Finish, Add	30.45 3.47	8.72
08 72 43 00-0009	LF 4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A) ..... For Color Anodized Finish, Add	35.75 5.96	10.89
08 72 43 00-0010	LF 5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A) ..... For Color Anodized Finish, Add	38.76 5.77	10.89
08 72 43 00-0011	LF 6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A) ..... For Color Anodized Finish, Add	42.37 5.30	10.89
08 72 43 00-0012	LF 7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A) ..... For Color Anodized Finish, Add	47.73 5.13	10.89
08 72 43 00-0013	LF 8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A) ..... For Color Anodized Finish, Add	57.29 6.15	13.07
08 72 43 00-0014	LF 9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A) ..... For Color Anodized Finish, Add	60.92 7.06	13.07
08 72 43 00-0015	LF 10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A) ..... For Color Anodized Finish, Add	66.70 8.50	13.07
08 72 43 00-0016	5/16" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0017	LF 2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A) ..... For Color Anodized Finish, Add	29.98 2.87	8.72
08 72 43 00-0018	1/2" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0019	LF 3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A) ..... For Color Anodized Finish, Add	30.14 4.18	8.72
08 72 43 00-0020	LF 4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A) ..... For Color Anodized Finish, Add	37.01 6.85	10.89
08 72 43 00-0021	LF 5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A) ..... For Color Anodized Finish, Add	40.08 6.43	10.89
08 72 43 00-0022	LF 6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A) ..... For Color Anodized Finish, Add	42.69 5.41	10.89
08 72 43 00-0023	LF 7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A) ..... For Color Anodized Finish, Add	47.73 5.13	10.89
08 72 43 00-0024	LF 8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A) ..... For Color Anodized Finish, Add	59.19 9.28	13.07
08 72 43 00-0025	LF 9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A) ..... For Color Anodized Finish, Add	62.50 11.92	13.07
08 72 43 00-0026	LF 10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A) ..... For Color Anodized Finish, Add	65.81 13.25	13.07
08 72 43 00-0027	Brass/Bronze Saddle Thresholds (08 72 43 00-0003)		
08 72 43 00-0028	3/16" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)		
08 72 43 00-0029	LF 2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B) ..... For Color Anodized Finish, Add	92.81 2.40	8.72
08 72 43 00-0030	1/4" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)		
08 72 43 00-0031	LF 3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B) ..... For Color Anodized Finish, Add	147.13 1.77	8.72
08 72 43 00-0032	LF 4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B) ..... For Color Anodized Finish, Add	177.65 2.15	10.89
08 72 43 00-0033	LF 5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B) ..... For Color Anodized Finish, Add	215.25 2.51	10.89
08 72 43 00-0034	LF 6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B) ..... For Color Anodized Finish, Add	251.82 2.93	10.89
08 72 43 00-0035	LF 7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B) ..... For Color Anodized Finish, Add	293.60 3.77	10.89
08 72 43 00-0036	LF 8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B) ..... For Color Anodized Finish, Add	377.40 4.18	13.07
08 72 43 00-0037	1/2" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)		
08 72 43 00-0038	LF 4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B) ..... For Color Anodized Finish, Add	194.36 2.36	10.89
08 72 43 00-0039	LF 5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B) ..... For Color Anodized Finish, Add	236.15 2.77	10.89
08 72 43 00-0040	LF 6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B) ..... For Color Anodized Finish, Add	277.93 3.30	10.89
08 72 43 00-0041	LF 7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B) ..... For Color Anodized Finish, Add	330.16 4.69	10.89
08 72 43 00-0042	LF 8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B) ..... For Color Anodized Finish, Add	469.67 5.13	13.07
08 72 43 00-0043	LF 10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B) ..... For Color Anodized Finish, Add	445.72 5.13	13.07
08 72 43 00-0044	Stainless Steel Saddle Thresholds (08 72 43 00-0003)		
08 72 43 00-0045	1/2" Height, Stainless Steel Saddle Thresholds (08 72 43 00-0044)		
08 72 43 00-0046	LF 4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS) ..... For Color Anodized Finish, Add	163.03 1.73	10.89
08 72 43 00-0047	LF 5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS) ..... For Color Anodized Finish, Add	173.47 1.73	10.89



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Weatherstripping, Thresholds and Seals</b>	<b>08 72</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 72 43 00-0048</b> Half Saddle Thresholds <small>(08 72 43 00-0002)</small>		
<b>08 72 43 00-0049</b> Aluminum Half Saddle Thresholds <small>(08 72 43 00-0048)</small> Note: Includes mill finish.		
<b>08 72 43 00-0050</b> 3/4" Height, Aluminum Half Saddle Thresholds <small>(08 72 43 00-0049)</small>		
08 72 43 00-0051 LF 5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A).....	43.05	10.89
<i>For Color Anodized Finish, Add</i>	6.33	
08 72 43 00-0052 LF 7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A).....	54.51	10.89
<i>For Color Anodized Finish, Add</i>	2.73	
<b>08 72 43 00-0053</b> Offset Saddle Thresholds <small>(08 72 43 00-0002)</small>		
<b>08 72 43 00-0054</b> Aluminum Offset Saddle Thresholds <small>(08 72 43 00-0053)</small> Note: Includes mill finish.		
<b>08 72 43 00-0055</b> 1/2" Height, Aluminum Offset Saddle Thresholds <small>(08 72 43 00-0054)</small>		
08 72 43 00-0056 LF 5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A).....	43.16	10.89
<i>For Color Anodized Finish, Add</i>	7.97	
08 72 43 00-0057 LF 7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A).....	47.26	10.89
<i>For Color Anodized Finish, Add</i>	7.01	
<b>08 72 43 00-0058</b> 3/4" Height, Aluminum Offset Saddle Thresholds <small>(08 72 43 00-0054)</small>		
08 72 43 00-0059 LF 5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A).....	43.16	10.89
<i>For Color Anodized Finish, Add</i>	7.97	
<b>08 72 43 00-0060</b> 1" Height, Aluminum Offset Saddle Thresholds <small>(08 72 43 00-0054)</small>		
08 72 43 00-0061 LF 7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A).....	48.84	10.89
<i>For Color Anodized Finish, Add</i>	7.56	
<b>08 72 43 00-0062</b> Modular Ramp Thresholds <small>(08 72 43 00-0001)</small> Note: Includes mill finish.		
<b>08 72 43 00-0063</b> Flush, Aluminum Modular Ramp Thresholds <small>(08 72 43 00-0062)</small>		
08 72 43 00-0064 LF 6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA) .....	44.63	10.89
<i>For Non-Slip Surfacing, Add</i>	68.55	
08 72 43 00-0065 LF 9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA) .....	55.25	11.98
<i>For Non-Slip Surfacing, Add</i>	87.61	
08 72 43 00-0066 LF 12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA) .....	69.80	13.62
<i>For Non-Slip Surfacing, Add</i>	119.20	
08 72 43 00-0067 LF 15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA) .....	87.83	14.16
<i>For Non-Slip Surfacing, Add</i>	160.68	
08 72 43 00-0068 LF 18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA) .....	101.88	15.25
<i>For Non-Slip Surfacing, Add</i>	214.14	
08 72 43 00-0069 LF 21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA) .....	125.62	16.88
<i>For Non-Slip Surfacing, Add</i>	238.84	
08 72 43 00-0070 LF 24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA) .....	140.03	18.51
<i>For Non-Slip Surfacing, Add</i>	267.77	
08 72 43 00-0071 LF 28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA) .....	148.51	19.61
<i>For Non-Slip Surfacing, Add</i>	273.25	
<b>08 72 43 00-0072</b> 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds <small>(08 72 43 00-0062)</small>		
08 72 43 00-0073 LF 12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA) .....	74.16	13.62
<i>For Non-Slip Surfacing, Add</i>	126.71	
08 72 43 00-0074 LF 15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA) .....	86.53	14.16
<i>For Non-Slip Surfacing, Add</i>	157.17	
08 72 43 00-0075 LF 18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA).....	107.83	16.34
<i>For Non-Slip Surfacing, Add</i>	195.39	
08 72 43 00-0076 LF 22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA) .....	126.21	17.43
<i>For Non-Slip Surfacing, Add</i>	237.54	
08 72 43 00-0077 LF 25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA) .....	144.54	18.51
<i>For Non-Slip Surfacing, Add</i>	279.50	
08 72 43 00-0078 LF 28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA) .....	157.84	19.61
<i>For Non-Slip Surfacing, Add</i>	308.44	
08 72 43 00-0079 LF 31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA) .....	192.43	20.70
<i>For Non-Slip Surfacing, Add</i>	392.70	
<b>08 72 43 00-0080</b> 7" Top Plate, Offset, Aluminum Modular Ramp Thresholds <small>(08 72 43 00-0062)</small>		
08 72 43 00-0081 LF 16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA) .....	85.50	14.71
<i>For Non-Slip Surfacing, Add</i>	157.02	
08 72 43 00-0082 LF 19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA) .....	100.04	16.34
<i>For Non-Slip Surfacing, Add</i>	188.61	
08 72 43 00-0083 LF 22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA) .....	119.15	17.43
<i>For Non-Slip Surfacing, Add</i>	227.61	
08 72 43 00-0084 LF 25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA) .....	133.21	18.51
<i>For Non-Slip Surfacing, Add</i>	259.66	

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0085	LF		28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA) .....	155.85	19.61
			<i>For Non-Slip Surfacing, Add</i> .....	303.26	
08 72 43 00-0086	LF		31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA) .....	169.16	20.70
			<i>For Non-Slip Surfacing, Add</i> .....	332.20	
08 72 43 00-0087	LF		35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA) .....	194.61	21.78
			<i>For Non-Slip Surfacing, Add</i> .....	377.60	
08 72 43 00-0088			<b>Accessories For Aluminum Modular Ramp Thresholds</b> (08 72 43 00-0062)		
08 72 43 00-0089			<b>Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds</b> (08 72 43 00-0088)		
08 72 43 00-0090	PR		Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds .....	196.77	13.62
			<i>For Non-Slip Surfacing, Add</i> .....	20.34	
08 72 43 00-0091	PR		>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds .....	300.60	13.62
			<i>For Non-Slip Surfacing, Add</i> .....	32.80	
08 72 43 00-0092	PR		>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds .....	592.75	19.07
			<i>For Non-Slip Surfacing, Add</i> .....	66.56	
08 72 43 00-0093			<b>Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds</b> (08 72 43 00-0088)		
08 72 43 00-0094	PR		Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds .....	196.77	13.62
			<i>For Non-Slip Surfacing, Add</i> .....	20.34	
08 72 43 00-0095	PR		>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds .....	300.60	13.62
			<i>For Non-Slip Surfacing, Add</i> .....	32.80	
08 72 43 00-0096	PR		>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds .....	592.75	19.07
			<i>For Non-Slip Surfacing, Add</i> .....	66.56	
08 72 43 00-0097			<b>Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0001) Note: Includes vinyl or pile seal.		
08 72 43 00-0098			<b>Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0097) Note: Includes mill finish.		
08 72 43 00-0099			<b>Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0098)		
08 72 43 00-0100			<b>7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0099)		
08 72 43 00-0101	LF		4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP) .....	51.36	10.89
			<i>For Color Anodized Finish, Add</i> .....	8.45	
			<i>For Thermoseal, Add</i> .....	0.63	
08 72 43 00-0102	LF		5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP) .....	43.32	10.89
			<i>For Color Anodized Finish, Add</i> .....	8.05	
			<i>For Thermoseal, Add</i> .....	0.63	
08 72 43 00-0103	LF		6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP) .....	56.41	10.89
			<i>For Color Anodized Finish, Add</i> .....	10.21	
			<i>For Thermoseal, Add</i> .....	0.63	
08 72 43 00-0104	LF		7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP) .....	58.61	10.89
			<i>For Color Anodized Finish, Add</i> .....	10.98	
			<i>For Thermoseal, Add</i> .....	0.63	
08 72 43 00-0105			<b>1" Height, Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0099)		
08 72 43 00-0106	LF		3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP) .....	41.42	10.89
			<i>For Color Anodized Finish, Add</i> .....	7.10	
			<i>For Thermoseal, Add</i> .....	0.63	
08 72 43 00-0107	LF		5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP) .....	43.63	10.89
			<i>For Color Anodized Finish, Add</i> .....	8.20	
			<i>For Thermoseal, Add</i> .....	0.63	
08 72 43 00-0108			<b>Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0096)		
08 72 43 00-0109			<b>7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0108)		
08 72 43 00-0110	LF		4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP) .....	46.00	10.89
			<i>For Color Anodized Finish, Add</i> .....	7.51	
			<i>For Thermoseal, Add</i> .....	0.63	
08 72 43 00-0111	LF		5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP) .....	48.05	10.89
			<i>For Color Anodized Finish, Add</i> .....	8.33	
			<i>For Thermoseal, Add</i> .....	0.63	
08 72 43 00-0112	LF		6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP) .....	51.04	10.89
			<i>For Color Anodized Finish, Add</i> .....	8.33	
			<i>For Thermoseal, Add</i> .....	0.63	
08 72 43 00-0113	LF		7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP) .....	54.44	10.89
			<i>For Color Anodized Finish, Add</i> .....	9.52	
			<i>For Thermoseal, Add</i> .....	0.63	
08 72 43 00-0114			<b>Brass/Bronze, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0097)		



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Weatherstripping, Thresholds and Seals</b>	<b>08 72</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 72 43 00-0115</b> Brass/Bronze, Latching Panic Exit Saddle Thresholds <small>(08 72 43 00-0114)</small>		
<b>08 72 43 00-0116</b> 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds <small>(08 72 43 00-0115)</small>		
08 72 43 00-0117 LF 4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV) ..... <i>For Thermoseal, Add</i>	280.02 0.63	10.89
08 72 43 00-0118 LF 5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV)..... <i>For Thermoseal, Add</i>	259.13 0.63	10.89
08 72 43 00-0119 LF 6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV) ..... <i>For Thermoseal, Add</i>	376.12 0.63	10.89
08 72 43 00-0120 LF 7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV) ..... <i>For Thermoseal, Add</i>	335.59 0.63	10.89
<b>08 72 43 00-0121</b> 1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds <small>(08 72 43 00-0115)</small>		
08 72 43 00-0122 LF 5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV)..... <i>For Thermoseal, Add</i>	275.42 0.63	10.89
<b>08 72 43 00-0123</b> Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds <small>(08 72 43 00-0114)</small>		
<b>08 72 43 00-0124</b> 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds <small>(08 72 43 00-0123)</small>		
08 72 43 00-0125 LF 4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV) ..... <i>For Thermoseal, Add</i>	282.41 0.63	11.98
08 72 43 00-0126 LF 5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV) ..... <i>For Thermoseal, Add</i>	296.83 0.63	11.98
08 72 43 00-0127 LF 6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV) ..... <i>For Thermoseal, Add</i>	374.75 0.63	11.98
08 72 43 00-0128 LF 7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV) ..... <i>For Thermoseal, Add</i>	339.63 0.63	12.52
<b>08 72 43 00-0129</b> Carpet Separator Thresholds <small>(08 72 43 00-0001)</small>		
<b>08 72 43 00-0130</b> Aluminum, Carpet Separator Thresholds <small>(08 72 43 00-0129)</small> Note: Includes mill finish.		
<b>08 72 43 00-0131</b> 3/8" Height, Aluminum, Carpet Separator Thresholds <small>(08 72 43 00-0130)</small>		
08 72 43 00-0132 LF 2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C) ..... <i>For Color Anodized Finish, Add</i>	31.40 3.85	8.72
<b>08 72 43 00-0133</b> 7/16" Height, Aluminum, Carpet Separator Thresholds <small>(08 72 43 00-0130)</small>		
08 72 43 00-0134 LF 1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A)..... <i>For Color Anodized Finish, Add</i>	25.69 2.32	7.62
08 72 43 00-0135 LF 4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A)..... <i>For Color Anodized Finish, Add</i>	39.06 4.73	8.72
08 72 43 00-0136 LF 6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A)..... <i>For Color Anodized Finish, Add</i>	45.68 7.38	8.72
<b>08 72 43 00-0137</b> 1/2" Height, Aluminum, Carpet Separator Thresholds <small>(08 72 43 00-0130)</small>		
08 72 43 00-0138 LF 1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A)..... <i>For Color Anodized Finish, Add</i>	23.64 1.14	7.62
<b>08 72 43 00-0139</b> 3/4" Height, Aluminum, Carpet Separator Thresholds <small>(08 72 43 00-0130)</small>		
08 72 43 00-0140 LF 1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A)..... <i>For Color Anodized Finish, Add</i>	25.69 1.99	7.62
08 72 43 00-0141 LF 3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A)..... <i>For Color Anodized Finish, Add</i>	39.53 4.92	10.89
08 72 43 00-0142 LF 4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A)..... <i>For Color Anodized Finish, Add</i>	41.42 4.26	10.89
<b>08 72 43 00-0143</b> Brass/Bronze, Carpet Separator Thresholds <small>(08 72 43 00-0129)</small>		
<b>08 72 43 00-0144</b> 3/8" Height, Brass/Bronze, Carpet Separator Thresholds <small>(08 72 43 00-0143)</small>		
08 72 43 00-0145 LF 2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B).....	149.43	8.72
<b>08 72 43 00-0146</b> 7/16" Height, Brass/Bronze, Carpet Separator Thresholds <small>(08 72 43 00-0143)</small>		
08 72 43 00-0147 LF 1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B).....	200.04	7.62
08 72 43 00-0148 LF 4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B).....	178.69	10.89

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 72 43 00-0149		<b>Vinyl Transition Thresholds</b> (08 72 43 00-0001) Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 72 43 00-0150		<b>Carpet To Carpet, Vinyl Transition Thresholds</b> (08 72 43 00-0149) Note: Serves as a transition where carpet meets carpet beneath a door.		
08 72 43 00-0151	LF	2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL).....	37.18	8.72
08 72 43 00-0152		<b>Carpet To Tile, Vinyl Transition Thresholds</b> (08 72 43 00-0149) Note: Serves as a transition where carpet meets tile beneath a door.		
08 72 43 00-0153	LF	2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL).....	37.18	8.72
08 72 43 00-0154		<b>Carpet To Concrete, Vinyl Transition Thresholds</b> (08 72 43 00-0149) Note: Serves as a transition where carpet meets concrete beneath a door.		
08 72 43 00-0155	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL).....	40.34	10.89
08 72 43 00-0156		<b>Carpet To VCT Tile, Vinyl Transition Thresholds</b> (08 72 43 00-0149) Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 72 43 00-0157	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL).....	42.90	10.89
08 72 43 00-0158		<b>Residential Thresholds</b> (08 72 43 00-0001)		
08 72 43 00-0159		<b>Wood Residential Thresholds</b> (08 72 43 00-0158)		
08 72 43 00-0160	LF	1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W).....	16.51	5.45
08 72 43 00-0161	LF	1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W).....	17.04	5.45
08 72 43 00-0162	LF	3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W).....	22.52	5.80
08 72 43 00-0163	LF	3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W).....	22.92	6.01
08 72 43 00-0164	LF	5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W).....	33.86	6.19
08 72 43 00-0165		<b>Vinyl Top, Wood Residential Thresholds</b> (08 72 43 00-0158)		
08 72 43 00-0166	LF	1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK).....	19.40	5.45
08 72 43 00-0167	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK).....	23.39	6.01
08 72 43 00-0168	LF	3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK).....	41.84	6.01
08 72 43 00-0169		<b>Vinyl Top, Aluminum Residential Thresholds</b> (08 72 43 00-0158)		
08 72 43 00-0170	LF	1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV).....	19.46	5.45
		<i>For Color Anodized Finish, Add</i>	2.34	
08 72 43 00-0171	LF	3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV).....	22.60	6.01
		<i>For Color Anodized Finish, Add</i>	3.03	
08 72 43 00-0172	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV).....	23.86	6.01
		<i>For Color Anodized Finish, Add</i>	3.53	
08 72 43 00-0173		<b>Interlocking Residential Thresholds</b> (08 72 43 00-0158)		
08 72 43 00-0174		<b>Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0173)		
08 72 43 00-0175		<b>1/2" Height, Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0174)		
08 72 43 00-0176	LF	4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A).....	41.17	6.19
		<i>For Color Anodized Finish, Add</i>	7.71	
08 72 43 00-0177		<b>5/8" Height, Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0174)		
08 72 43 00-0178	LF	3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A).....	27.90	5.80
		<i>For Color Anodized Finish, Add</i>	4.02	
08 72 43 00-0179	LF	3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A).....	25.60	6.01
		<i>For Color Anodized Finish, Add</i>	5.29	
08 72 43 00-0180	LF	4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A).....	29.50	6.19
		<i>For Color Anodized Finish, Add</i>	4.21	
08 72 43 00-0181		<b>7/8" Height, Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0174)		
08 72 43 00-0182	LF	4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A).....	32.02	6.19
		<i>For Color Anodized Finish, Add</i>	8.28	
08 72 43 00-0183		<b>Brass/Bronze Interlocking Residential Thresholds</b> (08 72 43 00-0173)		
08 72 43 00-0184		<b>1/2" Height, Brass/Bronze Interlocking Residential Thresholds</b> (08 72 43 00-0183)		
08 72 43 00-0185	LF	4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B).....	208.71	6.19
08 72 43 00-0186		<b>5/8" Height, Brass/Bronze Interlocking Residential Thresholds</b> (08 72 43 00-0183)		
08 72 43 00-0187	LF	3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B).....	156.05	6.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 72 43 00-0188</b> 7/8" Height, Brass/Bronze Interlocking Residential Thresholds <small>(08 72 43 00-0183)</small>		
08 72 43 00-0189 LF 4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B) .....	213.93	6.19
08 72 43 00-0190 LF 5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B) .....	308.39	6.36
<b>08 72 43 00-0191</b> Residential Door Sills <small>(08 72 43 00-0001)</small>		
<b>08 72 43 00-0192</b> Fixed Aluminum Residential Door Sills <small>(08 72 43 00-0191)</small>		
08 72 43 00-0193 LF 4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A) .....	24.45	6.19
<i>For Color Anodized Finish, Add</i>	4.50	
08 72 43 00-0194 LF 5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A) .....	26.14	6.36
<i>For Color Anodized Finish, Add</i>	4.09	
<b>08 72 43 00-0195</b> Adjustable Aluminum Top, Aluminum Residential Door Sills <small>(08 72 43 00-0191)</small>		
08 72 43 00-0196 LF 4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A) .....	34.08	6.19
<i>For Color Anodized Finish, Add</i>	6.52	
08 72 43 00-0197 LF 5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A) .....	35.00	6.36
<i>For Color Anodized Finish, Add</i>	6.68	
<b>08 72 43 00-0198</b> Adjustable Wood Top, Aluminum Residential Door Sills <small>(08 72 43 00-0191)</small>		
08 72 43 00-0199 LF 3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW) .....	34.40	6.01
<i>For Color Anodized Finish, Add</i>	6.78	
08 72 43 00-0200 LF 4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW) .....	34.84	6.19
<i>For Color Anodized Finish, Add</i>	4.85	
08 72 43 00-0201 LF 5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW) .....	36.34	6.36
<i>For Color Anodized Finish, Add</i>	5.11	
<b>08 72 43 00-0202</b> Extenders For Aluminum Residential Door Sills <small>(08 72 43 00-0191)</small>		
08 72 43 00-0203 LF 3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A) .....	14.83	5.45
<i>For Color Anodized Finish, Add</i>	2.76	
08 72 43 00-0204 LF 2" Extender For Aluminum Residential Door Sills (Pemko EXT2A) .....	16.09	5.45
<i>For Color Anodized Finish, Add</i>	2.60	
08 72 43 00-0205 LF 3" Extender For Aluminum Residential Door Sills (Pemko EXT3A) .....	17.36	5.45
<i>For Color Anodized Finish, Add</i>	1.62	
<b>08 72 43 00-0206</b> Stone Thresholds <small>(08 72 43 00-0001)</small>		
<b>08 72 43 00-0207</b> Marble Thresholds <small>(08 72 43 00-0206)</small>		
08 72 43 00-0208 LF 2" Width, 5/8" Height, Plain Marble Threshold .....	19.81	7.88
08 72 43 00-0209 LF 4" Width, 5/8" Height, Plain Marble Threshold .....	21.50	7.88
08 72 43 00-0210 LF 6" Width, 5/8" Height, Plain Marble Threshold .....	23.74	7.88
08 72 43 00-0211 LF 4" Width, 7/8" Height, Plain Marble Threshold .....	28.84	7.88
08 72 43 00-0212 LF 6" Width, 7/8" Height, Plain Marble Threshold .....	34.77	7.88
<b>08 72 43 00-0213</b> Corian Thresholds <small>(08 72 43 00-0206)</small>		
08 72 43 00-0214 LF Up To 5-3/4" Width, Corian Threshold .....	83.26	9.04
<b>08 75 Window Hardware</b> <small>(08 70)</small>		
<b>08 75 13 Automatic Window Equipment</b> <small>(08 75)</small>		
<b>08 75 13 00-0001</b> Window Opener Electric, With 1/2 HP Motor <small>(08 75 13)</small>		
08 75 13 00-0002 EA Gym Window Electronic Opener .....	1,614.06	232.12
<b>08 78 Special Function Hardware</b> <small>(08 70)</small>		
<b>08 78 00 00-0001</b> Pad Locks <small>(08 78)</small>		
08 78 00 00-0002 EA Combination Padlock .....	22.12	5.45
08 78 00 00-0003 EA Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height .....	50.86	5.45
08 78 00 00-0004 EA Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height .....	46.97	5.45
08 78 00 00-0005 EA Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height .....	51.80	5.45
08 78 00 00-0006 EA Commercial U-Bar Lock .....	62.96	5.45
08 78 00 00-0007 EA Weather Tough Padlocks Keyed Alike .....	52.77	5.45
08 78 00 00-0008 EA High Security Padlocks .....	47.61	5.45
08 78 00 00-0009 EA Standard Key, Medium Security Padlock Keyed Alike .....	24.95	5.45
08 78 00 00-0010 EA Russwin Padlock With 01H Padlock .....	67.40	5.45
<b>08 79 Hardware Accessories</b> <small>(08 70)</small>		

<b>08</b>	<b>08</b>	<b>Openings</b>
	<b>08 70</b>	<b>Hardware</b>
	<b>08 79</b>	<b>Hardware Accessories</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**08 79 13 Key Storage Equipment** (08 79)

08 79 13 00-0001	Key Cabinet	<small>(08 79 13)</small>		
08 79 13 00-0002	Key Cabinets	<small>(08 79 13 00-0001)</small>		
08 79 13 00-0003	EA	Wall Mounted Key Cabinet, Up To 30 Keys.....	496.39	19.61
08 79 13 00-0004	EA	Wall Mounted Key Cabinet, Up To 60 Keys.....	671.31	21.78
08 79 13 00-0005	EA	Wall Mounted Key Cabinet, Up To 240 Keys.....	1,511.76	32.68
08 79 13 00-0006	EA	Wall Mounted Key Cabinet, Up To 1,200 Keys.....	3,909.53	43.57
08 79 13 00-0007	EA	Drawer Type Key Cabinet, Up To 600 Keys.....	4,177.43	28.86
08 79 13 00-0008	EA	Drawer Type Key Cabinet, Up To 2,400 Keys.....	9,450.95	21.78
08 79 13 00-0009	EA	Tray Type Key Cabinet, Up To 20 Keys.....	208.55	8.72
08 79 13 00-0010	EA	Tray Type Key Cabinet, Up To 50 Keys.....	297.84	10.89
08 79 13 00-0011	Key Boxes Wall Mounted On Any Type Wall, With Anchor	<small>(08 79 13 00-0001)</small>		
08 79 13 00-0012	EA	Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High.....	283.27	16.35
08 79 13 00-0013	EA	Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High.....	321.49	16.35
08 79 13 00-0014	EA	Relocate 10" Wide x 12" High x 3" Deep Metal Key Box.....	55.57	
		Note: Including Storage And Cleaning		
08 79 13 00-0015	EA	Relocate Heavy Duty Key Box, With Combo Lock Door.....	125.32	
		Note: Including Storage And Cleaning		

**08 80 Glazing** (08)

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

**08 81 Glass Glazing** (08 80)

**08 81 23 Exterior Glass Glazing** (08 81)

**08 81 23 13 Factory Installed Glass Glazing** (08 81 23)

08 81 23 13-0001	Clear Float Factory Installed Glass	<small>(08 81 23 13)</small>		
08 81 23 13-0002	Clear Float Factory Installed Glass	<small>(08 81 23 13-0001)</small>		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0003	SF	1/8" Thick, Clear Float Factory Installed Glass.....	7.60	
		For >50 To 200, Deduct	-0.23	
		For >200 To 400, Deduct	-0.46	
		For >400, Deduct	-0.68	
		For Tinted Glass, Add	1.90	
		For Reflective Coated Glass, Add	3.42	
		For Low-E Coated Glass, Add	1.90	
08 81 23 13-0004	SF	3/16" Thick, Clear Float Factory Installed Glass.....	8.15	
		For >50 To 200, Deduct	-0.24	
		For >200 To 400, Deduct	-0.49	
		For >400, Deduct	-0.73	
		For Tinted Glass, Add	2.04	
		For Reflective Coated Glass, Add	3.67	
		For Low-E Coated Glass, Add	2.04	
08 81 23 13-0005	SF	1/4" Thick, Clear Float Factory Installed Glass.....	9.88	
		For >50 To 200, Deduct	-0.30	
		For >200 To 400, Deduct	-0.59	
		For >400, Deduct	-0.89	
		For Tinted Glass, Add	2.47	
		For Reflective Coated Glass, Add	4.45	
		For Low-E Coated Glass, Add	2.47	
08 81 23 13-0006	SF	5/16" Thick, Clear Float Factory Installed Glass.....	16.42	
		For >50 To 200, Deduct	-0.49	
		For >200 To 400, Deduct	-0.99	
		For >400, Deduct	-1.48	
		For Tinted Glass, Add	4.11	
		For Reflective Coated Glass, Add	7.39	
		For Low-E Coated Glass, Add	4.11	
08 81 23 13-0007	SF	3/8" Thick, Clear Float Factory Installed Glass.....	23.89	
		For >50 To 200, Deduct	-0.72	
		For >200 To 400, Deduct	-1.43	
		For >400, Deduct	-2.15	
		For Tinted Glass, Add	5.97	
		For Reflective Coated Glass, Add	10.75	
		For Low-E Coated Glass, Add	5.97	
08 81 23 13-0008	SF	1/2" Thick, Clear Float Factory Installed Glass.....	26.26	
		For >50 To 200, Deduct	-0.79	
		For >200 To 400, Deduct	-1.58	
		For >400, Deduct	-2.36	
		For Tinted Glass, Add	6.57	
		For Reflective Coated Glass, Add	11.82	
		For Low-E Coated Glass, Add	6.57	





<b>Openings</b>	<b>08</b>	<b>08</b>
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0009 SF 5/8" Thick, Clear Float Factory Installed Glass.....	31.41	
For >50 To 200, Deduct	-0.94	
For >200 To 400, Deduct	-1.88	
For >400, Deduct	-2.83	
For Tinted Glass, Add	7.85	
For Reflective Coated Glass, Add	14.13	
For Low-E Coated Glass, Add	7.85	
08 81 23 13-0010 SF 3/4" Thick, Clear Float Factory Installed Glass.....	38.80	
For >50 To 200, Deduct	-1.16	
For >200 To 400, Deduct	-2.33	
For >400, Deduct	-3.49	
For Tinted Glass, Add	9.70	
For Reflective Coated Glass, Add	17.46	
For Low-E Coated Glass, Add	9.70	
<b>08 81 23 13-0011 Heat Treated Factory Installed Glass (08 81 23 13)</b>		
<b>08 81 23 13-0012 Tempered, Clear Float Factory Installed Glass (08 81 23 13-0011)</b>		
Note: Type I, Class I, Quality Q3.		
08 81 23 13-0013 SF 1/8" Thick, Tempered, Clear Float Factory Installed Glass.....	11.30	
For >50 To 200, Deduct	-0.34	
For >200 To 400, Deduct	-0.68	
For >400, Deduct	-1.02	
For Tinted Glass, Add	2.83	
For Reflective Coated Glass, Add	5.09	
For Low-E Coated Glass, Add	2.83	
08 81 23 13-0014 SF 3/16" Thick, Tempered, Clear Float Factory Installed Glass.....	12.08	
For >50 To 200, Deduct	-0.36	
For >200 To 400, Deduct	-0.72	
For >400, Deduct	-1.09	
For Tinted Glass, Add	3.02	
For Reflective Coated Glass, Add	5.44	
For Low-E Coated Glass, Add	3.02	
08 81 23 13-0015 SF 1/4" Thick, Tempered, Clear Float Factory Installed Glass.....	14.69	
For >50 To 200, Deduct	-0.44	
For >200 To 400, Deduct	-0.88	
For >400, Deduct	-1.32	
For Tinted Glass, Add	3.67	
For Reflective Coated Glass, Add	6.61	
For Low-E Coated Glass, Add	3.67	
08 81 23 13-0016 SF 5/16" Thick, Tempered, Clear Float Factory Installed Glass.....	24.46	
For >50 To 200, Deduct	-0.73	
For >200 To 400, Deduct	-1.47	
For >400, Deduct	-2.20	
For Tinted Glass, Add	6.12	
For Reflective Coated Glass, Add	11.01	
For Low-E Coated Glass, Add	6.12	
08 81 23 13-0017 SF 3/8" Thick, Tempered, Clear Float Factory Installed Glass.....	35.54	
For >50 To 200, Deduct	-1.07	
For >200 To 400, Deduct	-2.13	
For >400, Deduct	-3.20	
For Tinted Glass, Add	8.89	
For Reflective Coated Glass, Add	15.99	
For Low-E Coated Glass, Add	8.89	
08 81 23 13-0018 SF 1/2" Thick, Tempered, Clear Float Factory Installed Glass.....	39.05	
For >50 To 200, Deduct	-1.17	
For >200 To 400, Deduct	-2.34	
For >400, Deduct	-3.51	
For Tinted Glass, Add	9.76	
For Reflective Coated Glass, Add	17.57	
For Low-E Coated Glass, Add	9.76	
08 81 23 13-0019 SF 5/8" Thick, Tempered, Clear Float Factory Installed Glass.....	46.71	
For >50 To 200, Deduct	-1.40	
For >200 To 400, Deduct	-2.80	
For >400, Deduct	-4.20	
For Tinted Glass, Add	11.68	
For Reflective Coated Glass, Add	21.02	
For Low-E Coated Glass, Add	11.68	
08 81 23 13-0020 SF 3/4" Thick, Tempered, Clear Float Factory Installed Glass.....	57.71	
For >50 To 200, Deduct	-1.73	
For >200 To 400, Deduct	-3.46	
For >400, Deduct	-5.19	
For Tinted Glass, Add	14.43	
For Reflective Coated Glass, Add	25.97	
For Low-E Coated Glass, Add	14.43	
<b>08 81 23 13-0021 Patterned Factory Installed Glass (08 81 23 13)</b>		
<b>08 81 23 13-0022 Rough Obscure, Factory Installed Glass (08 81 23 13-0021)</b>		
Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023 SF 1/4" Thick, Rough Obscure, Factory Installed Glass.....	16.16	
<b>08 81 23 13-0024 Patterned, Figured Factory Installed Glass (08 81 23 13-0021)</b>		
Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		

08	08	Openings
	08 80	Glazing
	08 81	Glass Glazing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0025 SF 1/8" Thick, Patterned, Figured Factory Installed Glass .....	9.82	
08 81 23 13-0026 SF 7/32" Thick, Patterned, Figured Factory Installed Glass .....	9.82	
<b>08 81 23 13-0027</b> Wired Factory Installed Glass <small>(08 81 23 13)</small>		
<b>08 81 23 13-0028</b> Square Or Diamond Pattern, Wired Factory Installed Glass <small>(08 81 23 13-0027)</small> Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029 SF 1/4" Thick, Square Pattern, Wired Factory Installed Glass .....	25.41	
08 81 23 13-0030 SF 1/4" Thick, Diamond Pattern, Wired Factory Installed Glass.....	34.85	
<b>08 81 23 13-0031</b> Polished, Wired Factory Installed Glass <small>(08 81 23 13-0027)</small>		
08 81 23 13-0032 SF 1/4" Thick, Polished, Wired Factory Installed Glass.....	38.10	
<b>08 81 23 13-0033</b> Frosted Factory Installed Glass <small>(08 81 23 13)</small>		
<b>08 81 23 13-0034</b> Frosted Factory Installed Glass <small>(08 81 23 13-0033)</small>		
08 81 23 13-0035 SF 1/8" Thick, Frosted Factory Installed Glass.....	12.85	
<i>For &gt;50 To 200, Deduct</i>	-0.39	
<i>For &gt;200 To 400, Deduct</i>	-0.77	
<i>For &gt;400, Deduct</i>	-1.16	
08 81 23 13-0036 SF 3/16" Thick, Frosted Factory Installed Glass.....	16.85	
<i>For &gt;50 To 200, Deduct</i>	-0.51	
<i>For &gt;200 To 400, Deduct</i>	-1.01	
<i>For &gt;400, Deduct</i>	-1.52	
08 81 23 13-0037 SF 1/4" Thick, Frosted Factory Installed Glass.....	21.30	
<i>For &gt;50 To 200, Deduct</i>	-0.64	
<i>For &gt;200 To 400, Deduct</i>	-1.28	
<i>For &gt;400, Deduct</i>	-1.92	
08 81 23 13-0038 SF 3/8" Thick, Frosted Factory Installed Glass.....	31.84	
<i>For &gt;50 To 200, Deduct</i>	-0.96	
<i>For &gt;200 To 400, Deduct</i>	-1.91	
<i>For &gt;400, Deduct</i>	-2.87	
<b>08 81 23 13-0039</b> Fire Rated Factory Installed Glass <small>(08 81 23 13)</small>		
<b>08 81 23 13-0040</b> Fire Rated Factory Installed Glass <small>(08 81 23 13-0039)</small>		
08 81 23 13-0041 SF 20 Minute, Fire Rated Factory Installed Glass .....	46.65	
08 81 23 13-0042 SF 45 Minute, Fire Rated Factory Installed Glass .....	92.88	
08 81 23 13-0043 SF 60 Minute, Fire Rated Factory Installed Glass .....	143.54	
08 81 23 13-0044 SF 90 Minute, Fire Rated Factory Installed Glass .....	189.98	
<b>08 81 23 13-0045</b> Laminated Factory Installed Glass <small>(08 81 23 13)</small>		
<b>08 81 23 13-0046</b> Laminated Glass With PVB Interlayer, Factory Installed Glass <small>(08 81 23 13-0045)</small> Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047 SF 1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	27.68	
<i>For &gt;50 To 200, Deduct</i>	-0.83	
<i>For &gt;200 To 400, Deduct</i>	-1.66	
<i>For &gt;400, Deduct</i>	-2.49	
<i>For Tinted Glass, Add</i>	5.54	
<i>For Reflective Coated Glass, Add</i>	8.30	
<i>For Low-E Coated Glass, Add</i>	6.92	
<i>For One Piece Heat Strengthened Glass, Add</i>	5.54	
<i>For One Piece Fully Tempered Glass, Add</i>	5.54	
08 81 23 13-0048 SF 3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	34.56	
<i>For &gt;50 To 200, Deduct</i>	-1.04	
<i>For &gt;200 To 400, Deduct</i>	-2.07	
<i>For &gt;400, Deduct</i>	-3.11	
<i>For Tinted Glass, Add</i>	6.91	
<i>For Reflective Coated Glass, Add</i>	10.37	
<i>For Low-E Coated Glass, Add</i>	8.64	
<i>For One Piece Heat Strengthened Glass, Add</i>	6.91	
<i>For One Piece Fully Tempered Glass, Add</i>	6.91	
08 81 23 13-0049 SF 1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	39.92	
<i>For &gt;50 To 200, Deduct</i>	-1.20	
<i>For &gt;200 To 400, Deduct</i>	-2.40	
<i>For &gt;400, Deduct</i>	-3.59	
<i>For Tinted Glass, Add</i>	7.98	
<i>For Reflective Coated Glass, Add</i>	11.98	
<i>For Low-E Coated Glass, Add</i>	9.98	
<i>For One Piece Heat Strengthened Glass, Add</i>	7.98	
<i>For One Piece Fully Tempered Glass, Add</i>	7.98	
<b>08 81 23 13-0050</b> Insulated Factory Installed Glass <small>(08 81 23 13)</small>		
<b>08 81 23 13-0051</b> Insulated, Factory Installed Glass <small>(08 81 23 13-0050)</small> Note: Type I, Class I, Quality Q3.		



<b>Openings</b>	<b>08</b>	<b>08</b>
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 81 23 13-0052</b> <b>3/16" Air Space, Insulated, Factory Installed Glass</b> <small>(08 81 23 13-0051)</small>		
<i>Note: Type I, Class I, Quality Q3.</i>		
08 81 23 13-0053    SF    3/8" Thick, Insulated Factory Installed Glass.....	15.55	
<i>Note: Two 3/32" lites with 3/16" air space.</i>		
<i>For &gt;50 To 200, Deduct</i>	-0.47	
<i>For &gt;200 To 400, Deduct</i>	-0.93	
<i>For &gt;400, Deduct</i>	-1.40	
<i>For Tinted Glass, Add</i>	2.33	
<i>For Reflective Coated Glass, Add</i>	4.67	
<i>For Low-E Coated Glass, Add</i>	3.89	
<i>For One Piece Heat Strengthened Glass, Add</i>	3.11	
<i>For One Piece Fully Tempered Glass, Add</i>	3.11	
<i>For One Piece Obscure Glass, Add</i>	6.61	
<i>For Argon Gas, Add</i>	2.14	
08 81 23 13-0054    SF    1/2" Thick, Insulated Factory Installed Glass.....	16.99	
<i>Note: One 3/16" lite and one 1/8" lite with 3/16" air space.</i>		
<i>For &gt;50 To 200, Deduct</i>	-0.51	
<i>For &gt;200 To 400, Deduct</i>	-1.02	
<i>For &gt;400, Deduct</i>	-1.53	
<i>For Tinted Glass, Add</i>	2.55	
<i>For Reflective Coated Glass, Add</i>	5.10	
<i>For Low-E Coated Glass, Add</i>	4.25	
<i>For One Piece Heat Strengthened Glass, Add</i>	3.40	
<i>For One Piece Fully Tempered Glass, Add</i>	3.40	
<i>For One Piece Obscure Glass, Add</i>	7.22	
<i>For Argon Gas, Add</i>	2.34	
08 81 23 13-0055    SF    9/16" Thick, Insulated Factory Installed Glass.....	17.02	
<i>Note: Two 3/16" lites with 3/16" air space.</i>		
<i>For &gt;50 To 200, Deduct</i>	-0.51	
<i>For &gt;200 To 400, Deduct</i>	-1.02	
<i>For &gt;400, Deduct</i>	-1.53	
<i>For Tinted Glass, Add</i>	2.55	
<i>For Reflective Coated Glass, Add</i>	5.11	
<i>For Low-E Coated Glass, Add</i>	4.26	
<i>For One Piece Heat Strengthened Glass, Add</i>	3.40	
<i>For One Piece Fully Tempered Glass, Add</i>	3.40	
<i>For One Piece Obscure Glass, Add</i>	7.23	
<i>For Argon Gas, Add</i>	2.34	
<b>08 81 23 13-0056</b> <b>1/4" Air Space, Insulated, Factory Installed Glass</b> <small>(08 81 23 13-0051)</small>		
<i>Note: Type I, Class I, Quality Q3.</i>		
08 81 23 13-0057    SF    7/16" Thick, Insulated Factory Installed Glass.....	16.01	
<i>Note: Two 3/32" lites with 1/4" air space.</i>		
<i>For &gt;50 To 200, Deduct</i>	-0.48	
<i>For &gt;200 To 400, Deduct</i>	-0.96	
<i>For &gt;400, Deduct</i>	-1.44	
<i>For Tinted Glass, Add</i>	2.40	
<i>For Reflective Coated Glass, Add</i>	4.80	
<i>For Low-E Coated Glass, Add</i>	4.00	
<i>For One Piece Heat Strengthened Glass, Add</i>	3.20	
<i>For One Piece Fully Tempered Glass, Add</i>	3.20	
<i>For One Piece Obscure Glass, Add</i>	6.80	
<i>For Argon Gas, Add</i>	2.20	
08 81 23 13-0058    SF    1/2" Thick, Insulated Factory Installed Glass.....	16.99	
<i>Note: Two 1/8" lites with 1/4" air space.</i>		
<i>For &gt;50 To 200, Deduct</i>	-0.51	
<i>For &gt;200 To 400, Deduct</i>	-1.02	
<i>For &gt;400, Deduct</i>	-1.53	
<i>For Tinted Glass, Add</i>	2.55	
<i>For Reflective Coated Glass, Add</i>	5.10	
<i>For Low-E Coated Glass, Add</i>	4.25	
<i>For One Piece Heat Strengthened Glass, Add</i>	3.40	
<i>For One Piece Fully Tempered Glass, Add</i>	3.40	
<i>For One Piece Obscure Glass, Add</i>	7.22	
<i>For Argon Gas, Add</i>	2.34	
08 81 23 13-0059    SF    5/8" Thick, Insulated Factory Installed Glass.....	17.19	
<i>Note: Two 3/16" lites with 1/4" air space.</i>		
<i>For &gt;50 To 200, Deduct</i>	-0.52	
<i>For &gt;200 To 400, Deduct</i>	-1.03	
<i>For &gt;400, Deduct</i>	-1.55	
<i>For Tinted Glass, Add</i>	2.58	
<i>For Reflective Coated Glass, Add</i>	5.16	
<i>For Low-E Coated Glass, Add</i>	4.30	
<i>For One Piece Heat Strengthened Glass, Add</i>	3.44	
<i>For One Piece Fully Tempered Glass, Add</i>	3.44	
<i>For One Piece Obscure Glass, Add</i>	7.31	
<i>For Argon Gas, Add</i>	2.36	

**08 Openings****08 80 Glazing****08 81 Glass Glazing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 81 23 13-0060	SF 5/8" Thick, Insulated Factory Installed Glass ..... Note: One 1/4" lite and one 1/8" lite with 1/4" air space.	17.19	
	For >50 To 200, Deduct	-0.52	
	For >200 To 400, Deduct	-1.03	
	For >400, Deduct	-1.55	
	For Tinted Glass, Add	2.58	
	For Reflective Coated Glass, Add	5.16	
	For Low-E Coated Glass, Add	4.30	
	For One Piece Heat Strengthened Glass, Add	3.44	
	For One Piece Fully Tempered Glass, Add	3.44	
	For One Piece Obscure Glass, Add	7.31	
	For Argon Gas, Add	2.36	
08 81 23 13-0061	SF 3/4" Thick, Insulated Factory Installed Glass ..... Note: Two 1/4" lites with 1/4" air space.	19.64	
	For >50 To 200, Deduct	-0.59	
	For >200 To 400, Deduct	-1.18	
	For >400, Deduct	-1.77	
	For Tinted Glass, Add	2.95	
	For Reflective Coated Glass, Add	5.89	
	For Low-E Coated Glass, Add	4.91	
	For One Piece Heat Strengthened Glass, Add	3.93	
	For One Piece Fully Tempered Glass, Add	3.93	
	For One Piece Obscure Glass, Add	8.35	
	For Argon Gas, Add	2.70	
08 81 23 13-0062	3/8" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0061) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0063	SF 5/8" Thick, Insulated Factory Installed Glass ..... Note: Two 1/8" lites with 3/8" air space.	17.19	
	For >50 To 200, Deduct	-0.52	
	For >200 To 400, Deduct	-1.03	
	For >400, Deduct	-1.55	
	For Tinted Glass, Add	2.58	
	For Reflective Coated Glass, Add	5.16	
	For Low-E Coated Glass, Add	4.30	
	For One Piece Heat Strengthened Glass, Add	3.44	
	For One Piece Fully Tempered Glass, Add	3.44	
	For One Piece Obscure Glass, Add	7.31	
	For Argon Gas, Add	2.36	
08 81 23 13-0064	SF 3/4" Thick, Insulated Factory Installed Glass ..... Note: Two 3/16" lites with 3/8" air space.	18.01	
	For >50 To 200, Deduct	-0.54	
	For >200 To 400, Deduct	-1.08	
	For >400, Deduct	-1.62	
	For Tinted Glass, Add	2.70	
	For Reflective Coated Glass, Add	5.40	
	For Low-E Coated Glass, Add	4.50	
	For One Piece Heat Strengthened Glass, Add	3.60	
	For One Piece Fully Tempered Glass, Add	3.60	
	For One Piece Obscure Glass, Add	7.65	
	For Argon Gas, Add	2.48	
08 81 23 13-0065	SF 7/8" Thick, Insulated Factory Installed Glass ..... Note: Two 1/4" lites with 3/8" air space.	19.97	
	For >50 To 200, Deduct	-0.60	
	For >200 To 400, Deduct	-1.20	
	For >400, Deduct	-1.80	
	For Tinted Glass, Add	3.00	
	For Reflective Coated Glass, Add	5.99	
	For Low-E Coated Glass, Add	4.99	
	For One Piece Heat Strengthened Glass, Add	3.99	
	For One Piece Fully Tempered Glass, Add	3.99	
	For One Piece Obscure Glass, Add	8.49	
	For Argon Gas, Add	2.75	
08 81 23 13-0066	SF 1" Thick, Insulated Factory Installed Glass ..... Note: Two 5/16" lites with 3/8" air space.	22.56	
	For >50 To 200, Deduct	-0.68	
	For >200 To 400, Deduct	-1.35	
	For >400, Deduct	-2.03	
	For Tinted Glass, Add	3.38	
	For Reflective Coated Glass, Add	6.77	
	For Low-E Coated Glass, Add	5.64	
	For One Piece Heat Strengthened Glass, Add	4.51	
	For One Piece Fully Tempered Glass, Add	4.51	
	For One Piece Obscure Glass, Add	9.59	
	For Argon Gas, Add	3.10	
08 81 23 13-0067	1/2" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0061) Note: Type I, Class I, Quality Q3.		



<b>Openings</b>	<b>08</b>	<b>08</b>
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0068 SF 3/4" Thick, Insulated Factory Installed Glass.....	18.01	
Note: Two 1/8" lites with 1/2" air space.		
For >50 To 200, Deduct	-0.54	
For >200 To 400, Deduct	-1.08	
For >400, Deduct	-1.62	
For Tinted Glass, Add	2.70	
For Reflective Coated Glass, Add	5.40	
For Low-E Coated Glass, Add	4.50	
For One Piece Heat Strengthened Glass, Add	3.60	
For One Piece Fully Tempered Glass, Add	3.60	
For One Piece Obscure Glass, Add	7.65	
For Argon Gas, Add	2.48	
08 81 23 13-0069 SF 7/8" Thick, Insulated Factory Installed Glass.....	19.97	
Note: Two 3/16" lites with 1/2" air space.		
For >50 To 200, Deduct	-0.60	
For >200 To 400, Deduct	-1.20	
For >400, Deduct	-1.80	
For Tinted Glass, Add	3.00	
For Reflective Coated Glass, Add	5.99	
For Low-E Coated Glass, Add	4.99	
For One Piece Heat Strengthened Glass, Add	3.99	
For One Piece Fully Tempered Glass, Add	3.99	
For One Piece Obscure Glass, Add	8.49	
For Argon Gas, Add	2.75	
08 81 23 13-0070 SF 7/8" Thick, Insulated Factory Installed Glass.....	19.97	
Note: One 1/4" lite and one 1/8" lite with 1/2" air space.		
For >50 To 200, Deduct	-0.60	
For >200 To 400, Deduct	-1.20	
For >400, Deduct	-1.80	
For Tinted Glass, Add	3.00	
For Reflective Coated Glass, Add	5.99	
For Low-E Coated Glass, Add	4.99	
For One Piece Heat Strengthened Glass, Add	3.99	
For One Piece Fully Tempered Glass, Add	3.99	
For One Piece Obscure Glass, Add	8.49	
For Argon Gas, Add	2.75	
08 81 23 13-0071 SF 1" Thick, Insulated Factory Installed Glass.....	21.84	
Note: Two 1/4" lites with 1/2" air space.		
For >50 To 200, Deduct	-0.66	
For >200 To 400, Deduct	-1.31	
For >400, Deduct	-1.97	
For Tinted Glass, Add	3.28	
For Reflective Coated Glass, Add	6.55	
For Low-E Coated Glass, Add	5.46	
For One Piece Heat Strengthened Glass, Add	4.37	
For One Piece Fully Tempered Glass, Add	4.37	
For One Piece Obscure Glass, Add	9.28	
For Argon Gas, Add	3.00	
<b>08 81 23 23 Field Installed Glass Glazing (08 81 23)</b>		
08 81 23 23-0001 Clear Float Field Installed Glass (08 81 23 23)		
08 81 23 23-0002 Clear Float Field Installed Glass (08 81 23 23-0001)		
Note: Type I, Class I, Quality Q3.		
08 81 23 23-0003 SF 1/8" Thick, Clear Float Field Installed Glass.....	19.99	
For >50 To 200, Deduct	-0.23	
For >200 To 400, Deduct	-0.46	
For >400, Deduct	-0.68	
For Glass Removal And Preparing Opening For New Glazing, Add	12.39	
For Tinted Glass, Add	1.90	
For Reflective Coated Glass, Add	3.42	
For Low-E Coated Glass, Add	1.90	
08 81 23 23-0004 SF 3/16" Thick, Clear Float Field Installed Glass.....	21.49	
For >50 To 200, Deduct	-0.24	
For >200 To 400, Deduct	-0.49	
For >400, Deduct	-0.73	
For Glass Removal And Preparing Opening For New Glazing, Add	13.34	
For Tinted Glass, Add	2.04	
For Reflective Coated Glass, Add	3.67	
For Low-E Coated Glass, Add	2.04	
08 81 23 23-0005 SF 1/4" Thick, Clear Float Field Installed Glass.....	24.17	
For >50 To 200, Deduct	-0.30	
For >200 To 400, Deduct	-0.59	
For >400, Deduct	-0.89	
For Glass Removal And Preparing Opening For New Glazing, Add	14.29	
For Tinted Glass, Add	2.47	
For Reflective Coated Glass, Add	4.45	
For Low-E Coated Glass, Add	2.47	

<b>08</b>	<b>08</b>	<b>Openings</b>
	<b>08 80</b>	<b>Glazing</b>
	<b>08 81</b>	<b>Glass Glazing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0006 SF 5/16" Thick, Clear Float Field Installed Glass .....	32.62	
For >50 To 200, Deduct	-0.49	
For >200 To 400, Deduct	-0.99	
For >400, Deduct	-1.48	
For Glass Removal And Preparing Opening For New Glazing, Add	16.20	
For Tinted Glass, Add	4.11	
For Reflective Coated Glass, Add	7.39	
For Low-E Coated Glass, Add	4.11	
08 81 23 23-0007 SF 3/8" Thick, Clear Float Field Installed Glass .....	41.99	
For >50 To 200, Deduct	-0.72	
For >200 To 400, Deduct	-1.43	
For >400, Deduct	-2.15	
For Glass Removal And Preparing Opening For New Glazing, Add	18.10	
For Tinted Glass, Add	5.97	
For Reflective Coated Glass, Add	10.75	
For Low-E Coated Glass, Add	5.97	
08 81 23 23-0008 SF 1/2" Thick, Clear Float Field Installed Glass .....	46.27	
For >50 To 200, Deduct	-0.79	
For >200 To 400, Deduct	-1.58	
For >400, Deduct	-2.36	
For Glass Removal And Preparing Opening For New Glazing, Add	20.01	
For Tinted Glass, Add	6.57	
For Reflective Coated Glass, Add	11.82	
For Low-E Coated Glass, Add	6.57	
08 81 23 23-0009 SF 5/8" Thick, Clear Float Field Installed Glass .....	56.18	
For >50 To 200, Deduct	-0.94	
For >200 To 400, Deduct	-1.88	
For >400, Deduct	-2.83	
For Glass Removal And Preparing Opening For New Glazing, Add	24.77	
For Tinted Glass, Add	7.85	
For Reflective Coated Glass, Add	14.13	
For Low-E Coated Glass, Add	7.85	
08 81 23 23-0010 SF 3/4" Thick, Clear Float Field Installed Glass .....	68.34	
For >50 To 200, Deduct	-1.16	
For >200 To 400, Deduct	-2.33	
For >400, Deduct	-3.49	
For Glass Removal And Preparing Opening For New Glazing, Add	29.54	
For Tinted Glass, Add	9.70	
For Reflective Coated Glass, Add	17.46	
For Low-E Coated Glass, Add	9.70	
<b>08 81 23 23-0011 Heat Treated Field Installed Glass (08 81 23 23)</b>		
<b>08 81 23 23-0012 Tempered, Clear Float Field Installed Glass (08 81 23 23-0011)</b>		
Note: Type I, Class I, Quality Q3.		
08 81 23 23-0013 SF 1/8" Thick, Tempered, Clear Float Field Installed Glass .....	23.69	
For >50 To 200, Deduct	-0.34	
For >200 To 400, Deduct	-0.68	
For >400, Deduct	-1.02	
For Glass Removal And Preparing Opening For New Glazing, Add	12.39	
For Tinted Glass, Add	2.83	
For Reflective Coated Glass, Add	5.09	
For Low-E Coated Glass, Add	2.83	
08 81 23 23-0014 SF 3/16" Thick, Tempered, Clear Float Field Installed Glass .....	25.42	
For >50 To 200, Deduct	-0.36	
For >200 To 400, Deduct	-0.72	
For >400, Deduct	-1.09	
For Glass Removal And Preparing Opening For New Glazing, Add	13.34	
For Tinted Glass, Add	3.02	
For Reflective Coated Glass, Add	5.44	
For Low-E Coated Glass, Add	3.02	
08 81 23 23-0015 SF 1/4" Thick, Tempered, Clear Float Field Installed Glass .....	28.98	
For >50 To 200, Deduct	-0.44	
For >200 To 400, Deduct	-0.88	
For >400, Deduct	-1.32	
For Glass Removal And Preparing Opening For New Glazing, Add	14.29	
For Tinted Glass, Add	3.67	
For Reflective Coated Glass, Add	6.61	
For Low-E Coated Glass, Add	3.67	
08 81 23 23-0016 SF 5/16" Thick, Tempered, Clear Float Field Installed Glass .....	40.66	
For >50 To 200, Deduct	-0.73	
For >200 To 400, Deduct	-1.47	
For >400, Deduct	-2.20	
For Glass Removal And Preparing Opening For New Glazing, Add	16.20	
For Tinted Glass, Add	6.12	
For Reflective Coated Glass, Add	11.01	
For Low-E Coated Glass, Add	6.12	
08 81 23 23-0017 SF 3/8" Thick, Tempered, Clear Float Field Installed Glass .....	53.64	
For >50 To 200, Deduct	-1.07	
For >200 To 400, Deduct	-2.13	
For >400, Deduct	-3.20	
For Glass Removal And Preparing Opening For New Glazing, Add	18.10	
For Tinted Glass, Add	8.89	
For Reflective Coated Glass, Add	15.99	
For Low-E Coated Glass, Add	8.89	



<b>Openings</b>	<b>08</b>	<b>08</b>
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0018 SF 1/2" Thick, Tempered, Clear Float Field Installed Glass.....	59.06	
For >50 To 200, Deduct	-1.17	
For >200 To 400, Deduct	-2.34	
For >400, Deduct	-3.51	
For Glass Removal And Preparing Opening For New Glazing, Add	20.01	
For Tinted Glass, Add	9.76	
For Reflective Coated Glass, Add	17.57	
For Low-E Coated Glass, Add	9.76	
08 81 23 23-0019 SF 5/8" Thick, Tempered, Clear Float Field Installed Glass.....	71.48	
For >50 To 200, Deduct	-1.40	
For >200 To 400, Deduct	-2.80	
For >400, Deduct	-4.20	
For Glass Removal And Preparing Opening For New Glazing, Add	24.77	
For Tinted Glass, Add	11.68	
For Reflective Coated Glass, Add	21.02	
For Low-E Coated Glass, Add	11.68	
08 81 23 23-0020 SF 3/4" Thick, Tempered, Clear Float Field Installed Glass.....	87.25	
For >50 To 200, Deduct	-1.73	
For >200 To 400, Deduct	-3.46	
For >400, Deduct	-5.19	
For Glass Removal And Preparing Opening For New Glazing, Add	29.54	
For Tinted Glass, Add	14.43	
For Reflective Coated Glass, Add	25.97	
For Low-E Coated Glass, Add	14.43	
<b>08 81 23 23-0021 Patterned Field Installed Glass (08 81 23 23)</b>		
<b>08 81 23 23-0022 Rough Obscure Field Installed Glass (08 81 23 23-0021)</b>		
Note: Class II, Form 3, Finish F1.		
08 81 23 23-0023 SF 1/4" Thick, Rough Obscure Field Installed Glass.....	30.45	
For Glass Removal And Preparing Opening For New Glazing, Add	14.29	
<b>08 81 23 23-0024 Patterned, Figured Field Installed Glass (08 81 23 23-0021)</b>		
Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 23-0025 SF 1/8" Thick, Patterned, Figured Field Installed Glass.....	22.21	
For Glass Removal And Preparing Opening For New Glazing, Add	12.39	
08 81 23 23-0026 SF 7/32" Thick, Patterned, Figured Field Installed Glass.....	23.64	
For Glass Removal And Preparing Opening For New Glazing, Add	13.82	
<b>08 81 23 23-0027 Wired Field Installed Glass (08 81 23 23)</b>		
<b>08 81 23 23-0028 Square Or Diamond Pattern, Wired Field Installed Glass (08 81 23 23-0027)</b>		
Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 23-0029 SF 1/4" Thick, Square Pattern, Wired Field Installed Glass.....	39.70	
For Glass Removal And Preparing Opening For New Glazing, Add	14.29	
08 81 23 23-0030 SF 1/4" Thick, Diamond Pattern, Wired Field Installed Glass.....	49.14	
For Glass Removal And Preparing Opening For New Glazing, Add	14.29	
<b>08 81 23 23-0031 Polished, Wired Field Installed Glass (08 81 23 23-0027)</b>		
08 81 23 23-0032 SF 1/4" Thick, Polished, Wired Field Installed Glass.....	52.39	
For Glass Removal And Preparing Opening For New Glazing, Add	14.29	
<b>08 81 23 23-0033 Frosted Field Installed Glass (08 81 23 23)</b>		
<b>08 81 23 23-0034 Frosted Field Installed Glass (08 81 23 23-0033)</b>		
08 81 23 23-0035 SF 1/8" Thick, Frosted Field Installed Glass.....	25.24	
For >50 To 200, Deduct	-0.39	
For >200 To 400, Deduct	-0.77	
For >400, Deduct	-1.16	
For Glass Removal And Preparing Opening For New Glazing, Add	12.39	
08 81 23 23-0036 SF 3/16" Thick, Frosted Field Installed Glass.....	30.19	
For >50 To 200, Deduct	-0.51	
For >200 To 400, Deduct	-1.01	
For >400, Deduct	-1.52	
For Glass Removal And Preparing Opening For New Glazing, Add	13.34	
08 81 23 23-0037 SF 1/4" Thick, Frosted Field Installed Glass.....	35.59	
For >50 To 200, Deduct	-0.64	
For >200 To 400, Deduct	-1.28	
For >400, Deduct	-1.92	
For Glass Removal And Preparing Opening For New Glazing, Add	14.29	
08 81 23 23-0038 SF 3/8" Thick, Frosted Field Installed Glass.....	49.94	
For >50 To 200, Deduct	-0.96	
For >200 To 400, Deduct	-1.91	
For >400, Deduct	-2.87	
For Glass Removal And Preparing Opening For New Glazing, Add	18.10	
<b>08 81 23 23-0039 Fire Rated Field Installed Glass (08 81 23 23)</b>		
<b>08 81 23 23-0040 Fire Rated Field Installed Glass (08 81 23 23-0039)</b>		

**08 Openings****08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0041	SF		20 Minute, Fire Rated Field Installed Glass .....	60.94	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.29	
08 81 23 23-0042	SF		45 Minute, Fire Rated Field Installed Glass .....	107.17	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.29	
08 81 23 23-0043	SF		60 Minute, Fire Rated Field Installed Glass .....	157.83	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.29	
08 81 23 23-0044	SF		90 Minute, Fire Rated Field Installed Glass .....	204.27	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.29	
<b>08 81 23 23-0045</b>			<b>Laminated Field Installed Glass</b> <small>(08 81 23 23)</small>		
<b>08 81 23 23-0046</b>			<b>Laminated Glass With PVB Interlayer, Field Installed Glass</b> <small>(08 81 23 23-0045)</small>		
			Note: Type I, Class I, Quality Q3.		
08 81 23 23-0047	SF		1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass .....	41.97	
			<i>For &gt;50 To 200, Deduct</i>	-0.83	
			<i>For &gt;200 To 400, Deduct</i>	-1.66	
			<i>For &gt;400, Deduct</i>	-2.49	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.29	
			<i>For Tinted Glass, Add</i>	5.54	
			<i>For Reflective Coated Glass, Add</i>	8.30	
			<i>For Low-E Coated Glass, Add</i>	6.92	
			<i>For One Piece Heat Strengthened Glass, Add</i>	5.54	
			<i>For One Piece Fully Tempered Glass, Add</i>	5.54	
08 81 23 23-0048	SF		3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass .....	52.66	
			<i>For &gt;50 To 200, Deduct</i>	-1.04	
			<i>For &gt;200 To 400, Deduct</i>	-2.07	
			<i>For &gt;400, Deduct</i>	-3.11	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	18.10	
			<i>For Tinted Glass, Add</i>	6.91	
			<i>For Reflective Coated Glass, Add</i>	10.37	
			<i>For Low-E Coated Glass, Add</i>	8.64	
			<i>For One Piece Heat Strengthened Glass, Add</i>	6.91	
			<i>For One Piece Fully Tempered Glass, Add</i>	6.91	
08 81 23 23-0049	SF		1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass .....	59.93	
			<i>For &gt;50 To 200, Deduct</i>	-1.20	
			<i>For &gt;200 To 400, Deduct</i>	-2.40	
			<i>For &gt;400, Deduct</i>	-3.59	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	20.01	
			<i>For Tinted Glass, Add</i>	7.98	
			<i>For Reflective Coated Glass, Add</i>	11.98	
			<i>For Low-E Coated Glass, Add</i>	9.98	
			<i>For One Piece Heat Strengthened Glass, Add</i>	7.98	
			<i>For One Piece Fully Tempered Glass, Add</i>	7.98	
08 81 23 23-0050	SF		9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass .....	67.31	
			<i>For &gt;50 To 200, Deduct</i>	-1.35	
			<i>For &gt;200 To 400, Deduct</i>	-2.69	
			<i>For &gt;400, Deduct</i>	-4.04	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	22.40	
			<i>For Tinted Glass, Add</i>	8.98	
			<i>For Reflective Coated Glass, Add</i>	13.47	
			<i>For Low-E Coated Glass, Add</i>	11.23	
			<i>For One Piece Heat Strengthened Glass, Add</i>	8.98	
			<i>For One Piece Fully Tempered Glass, Add</i>	8.98	
<b>08 81 23 23-0051</b>			<b>Insulated Field Installed Glass</b> <small>(08 81 23 23)</small>		
<b>08 81 23 23-0052</b>			<b>Insulated Glass, Field Installed Glass</b> <small>(08 81 23 23-0051)</small>		
			Note: Type I, Class I, Quality Q3.		
<b>08 81 23 23-0053</b>			<b>3/16" Air Space, Insulated, Field Installed Glass</b> <small>(08 81 23 23-0052)</small>		
			Note: Type I, Class I, Quality Q3.		
08 81 23 23-0054	SF		3/8" Thick, Insulated Field Installed Glass .....	31.56	
			Note: Two 3/32" lites with 3/16" air space.		
			<i>For &gt;50 To 200, Deduct</i>	-0.47	
			<i>For &gt;200 To 400, Deduct</i>	-0.93	
			<i>For &gt;400, Deduct</i>	-1.40	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.01	
			<i>For Tinted Glass, Add</i>	2.33	
			<i>For Reflective Coated Glass, Add</i>	4.67	
			<i>For Low-E Coated Glass, Add</i>	3.89	
			<i>For One Piece Heat Strengthened Glass, Add</i>	3.11	
			<i>For One Piece Fully Tempered Glass, Add</i>	3.11	
			<i>For One Piece Obscure Glass, Add</i>	6.61	
			<i>For Argon Gas, Add</i>	2.14	





<b>Openings</b>	<b>08</b>	<b>08</b>
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0055 SF 1/2" Thick, Insulated Field Installed Glass ..... 33.67 Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
For >50 To 200, Deduct	-0.51	
For >200 To 400, Deduct	-1.02	
For >400, Deduct	-1.53	
For Glass Removal And Preparing Opening For New Glazing, Add	16.68	
For Tinted Glass, Add	2.55	
For Reflective Coated Glass, Add	5.10	
For Low-E Coated Glass, Add	4.25	
For One Piece Heat Strengthened Glass, Add	3.40	
For One Piece Fully Tempered Glass, Add	3.40	
For One Piece Obscure Glass, Add	7.22	
For Argon Gas, Add	2.34	
08 81 23 23-0056 SF 9/16" Thick, Insulated Field Installed Glass ..... 33.98 Note: Two 3/16" lites with 3/16" air space.		
For >50 To 200, Deduct	-0.51	
For >200 To 400, Deduct	-1.02	
For >400, Deduct	-1.53	
For Glass Removal And Preparing Opening For New Glazing, Add	16.96	
For Tinted Glass, Add	2.55	
For Reflective Coated Glass, Add	5.11	
For Low-E Coated Glass, Add	4.26	
For One Piece Heat Strengthened Glass, Add	3.40	
For One Piece Fully Tempered Glass, Add	3.40	
For One Piece Obscure Glass, Add	7.23	
For Argon Gas, Add	2.34	
<b>08 81 23 23-0057 1/4" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)</b>		
Note: Type I, Class I, Quality Q3.		
08 81 23 23-0058 SF 7/16" Thick, Insulated Field Installed Glass ..... 32.31 Note: Two 3/32" lites with 1/4" air space.		
For >50 To 200, Deduct	-0.48	
For >200 To 400, Deduct	-0.96	
For >400, Deduct	-1.44	
For Glass Removal And Preparing Opening For New Glazing, Add	16.30	
For Tinted Glass, Add	2.40	
For Reflective Coated Glass, Add	4.80	
For Low-E Coated Glass, Add	4.00	
For One Piece Heat Strengthened Glass, Add	3.20	
For One Piece Fully Tempered Glass, Add	3.20	
For One Piece Obscure Glass, Add	6.80	
For Argon Gas, Add	2.20	
08 81 23 23-0059 SF 1/2" Thick, Insulated Field Installed Glass ..... 33.67 Note: Two 1/8" lites with 1/4" air space.		
For >50 To 200, Deduct	-0.51	
For >200 To 400, Deduct	-1.02	
For >400, Deduct	-1.53	
For Glass Removal And Preparing Opening For New Glazing, Add	16.68	
For Tinted Glass, Add	2.55	
For Reflective Coated Glass, Add	5.10	
For Low-E Coated Glass, Add	4.25	
For One Piece Heat Strengthened Glass, Add	3.40	
For One Piece Fully Tempered Glass, Add	3.40	
For One Piece Obscure Glass, Add	7.22	
For Argon Gas, Add	2.34	
08 81 23 23-0060 SF 5/8" Thick, Insulated Field Installed Glass ..... 34.98 Note: Two 3/16" lites with 1/4" air space.		
For >50 To 200, Deduct	-0.52	
For >200 To 400, Deduct	-1.03	
For >400, Deduct	-1.55	
For Glass Removal And Preparing Opening For New Glazing, Add	17.79	
For Tinted Glass, Add	2.58	
For Reflective Coated Glass, Add	5.16	
For Low-E Coated Glass, Add	4.30	
For One Piece Heat Strengthened Glass, Add	3.44	
For One Piece Fully Tempered Glass, Add	3.44	
For One Piece Obscure Glass, Add	7.31	
For Argon Gas, Add	2.36	
08 81 23 23-0061 SF 5/8" Thick, Insulated Field Installed Glass ..... 34.98 Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
For >50 To 200, Deduct	-0.52	
For >200 To 400, Deduct	-1.03	
For >400, Deduct	-1.55	
For Glass Removal And Preparing Opening For New Glazing, Add	17.79	
For Tinted Glass, Add	2.58	
For Reflective Coated Glass, Add	5.16	
For Low-E Coated Glass, Add	4.30	
For One Piece Heat Strengthened Glass, Add	3.44	
For One Piece Fully Tempered Glass, Add	3.44	
For One Piece Obscure Glass, Add	7.31	
For Argon Gas, Add	2.36	

**08 Openings****08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0062	SF		3/4" Thick, Insulated Field Installed Glass .....39.05 Note: Two 1/4" lites with 1/4" air space. For >50 To 200, Deduct -0.59 For >200 To 400, Deduct -1.18 For >400, Deduct -1.77 For Glass Removal And Preparing Opening For New Glazing, Add 19.41 For Tinted Glass, Add 2.95 For Reflective Coated Glass, Add 5.89 For Low-E Coated Glass, Add 4.91 For One Piece Heat Strengthened Glass, Add 3.93 For One Piece Fully Tempered Glass, Add 3.93 For One Piece Obscure Glass, Add 8.35 For Argon Gas, Add 2.70		
08 81 23 23-0063			<b>3/8" Air Space, Insulated, Field Installed Glass</b> (08 81 23 23-0052) Note: Type I, Class I, Quality Q3.		
08 81 23 23-0064	SF		5/8" Thick, Insulated Field Installed Glass .....34.98 Note: Two 1/8" lites with 3/8" air space. For >50 To 200, Deduct -0.52 For >200 To 400, Deduct -1.03 For >400, Deduct -1.55 For Glass Removal And Preparing Opening For New Glazing, Add 17.79 For Tinted Glass, Add 2.58 For Reflective Coated Glass, Add 5.16 For Low-E Coated Glass, Add 4.30 For One Piece Heat Strengthened Glass, Add 3.44 For One Piece Fully Tempered Glass, Add 3.44 For One Piece Obscure Glass, Add 7.31 For Argon Gas, Add 2.36		
08 81 23 23-0065	SF		3/4" Thick, Insulated Field Installed Glass .....37.42 Note: Two 3/16" lites with 3/8" air space. For >50 To 200, Deduct -0.54 For >200 To 400, Deduct -1.08 For >400, Deduct -1.62 For Glass Removal And Preparing Opening For New Glazing, Add 19.41 For Tinted Glass, Add 2.70 For Reflective Coated Glass, Add 5.40 For Low-E Coated Glass, Add 4.50 For One Piece Heat Strengthened Glass, Add 3.60 For One Piece Fully Tempered Glass, Add 3.60 For One Piece Obscure Glass, Add 7.65 For Argon Gas, Add 2.48		
08 81 23 23-0066	SF		7/8" Thick, Insulated Field Installed Glass .....39.79 Note: Two 1/4" lites with 3/8" air space. For >50 To 200, Deduct -0.60 For >200 To 400, Deduct -1.20 For >400, Deduct -1.80 For Glass Removal And Preparing Opening For New Glazing, Add 19.82 For Tinted Glass, Add 3.00 For Reflective Coated Glass, Add 5.99 For Low-E Coated Glass, Add 4.99 For One Piece Heat Strengthened Glass, Add 3.99 For One Piece Fully Tempered Glass, Add 3.99 For One Piece Obscure Glass, Add 8.49 For Argon Gas, Add 2.75		
08 81 23 23-0067	SF		1" Thick, Insulated Field Installed Glass .....42.57 Note: Two 5/16" lites with 3/8" air space. For >50 To 200, Deduct -0.68 For >200 To 400, Deduct -1.35 For >400, Deduct -2.03 For Glass Removal And Preparing Opening For New Glazing, Add 20.01 For Tinted Glass, Add 3.38 For Reflective Coated Glass, Add 6.77 For Low-E Coated Glass, Add 5.64 For One Piece Heat Strengthened Glass, Add 4.51 For One Piece Fully Tempered Glass, Add 4.51 For One Piece Obscure Glass, Add 9.59 For Argon Gas, Add 3.10		
08 81 23 23-0068			<b>1/2" Air Space, Insulated, Field Installed Glass</b> (08 81 23 23-0052) Note: Type I, Class I, Quality Q3.		
08 81 23 23-0069	SF		3/4" Thick, Insulated Field Installed Glass .....37.42 Note: Two 1/8" lites with 1/2" air space. For >50 To 200, Deduct -0.54 For >200 To 400, Deduct -1.08 For >400, Deduct -1.62 For Glass Removal And Preparing Opening For New Glazing, Add 19.41 For Tinted Glass, Add 2.70 For Reflective Coated Glass, Add 5.40 For Low-E Coated Glass, Add 4.50 For One Piece Heat Strengthened Glass, Add 3.60 For One Piece Fully Tempered Glass, Add 3.60 For One Piece Obscure Glass, Add 7.65 For Argon Gas, Add 2.48		



<b>Openings</b>	<b>08</b>	<b>08</b>
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0070 SF 7/8" Thick, Insulated Field Installed Glass ..... 39.79 Note: Two 3/16" lites with 1/2" air space.		
For >50 To 200, Deduct	-0.60	
For >200 To 400, Deduct	-1.20	
For >400, Deduct	-1.80	
For Glass Removal And Preparing Opening For New Glazing, Add	19.82	
For Tinted Glass, Add	3.00	
For Reflective Coated Glass, Add	5.99	
For Low-E Coated Glass, Add	4.99	
For One Piece Heat Strengthened Glass, Add	3.99	
For One Piece Fully Tempered Glass, Add	3.99	
For One Piece Obscure Glass, Add	8.49	
For Argon Gas, Add	2.75	
08 81 23 23-0071 SF 7/8" Thick, Insulated Field Installed Glass ..... 39.79 Note: One 1/4" lite and one 1/8" lite with 1/2" air space.		
For >50 To 200, Deduct	-0.60	
For >200 To 400, Deduct	-1.20	
For >400, Deduct	-1.80	
For Glass Removal And Preparing Opening For New Glazing, Add	19.82	
For Tinted Glass, Add	3.00	
For Reflective Coated Glass, Add	5.99	
For Low-E Coated Glass, Add	4.99	
For One Piece Heat Strengthened Glass, Add	3.99	
For One Piece Fully Tempered Glass, Add	3.99	
For One Piece Obscure Glass, Add	8.49	
For Argon Gas, Add	2.75	
08 81 23 23-0072 SF 1" Thick, Insulated Field Installed Glass ..... 41.85 Note: Two 1/4" lites with 1/2" air space.		
For >50 To 200, Deduct	-0.66	
For >200 To 400, Deduct	-1.31	
For >400, Deduct	-1.97	
For Glass Removal And Preparing Opening For New Glazing, Add	20.01	
For Tinted Glass, Add	3.28	
For Reflective Coated Glass, Add	6.55	
For Low-E Coated Glass, Add	5.46	
For One Piece Heat Strengthened Glass, Add	4.37	
For One Piece Fully Tempered Glass, Add	4.37	
For One Piece Obscure Glass, Add	9.28	
For Argon Gas, Add	3.00	
<b>08 81 23 23-0073 Laminated Insulated Glass, Field Installed Glass (08 81 23 23-0051)</b>		
08 81 23 23-0074 SF 1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass ..... 113.56 Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.		
For >50 To 200, Deduct	-2.62	
For >200 To 400, Deduct	-5.24	
For >400, Deduct	-7.86	
For Glass Removal And Preparing Opening For New Glazing, Add	26.21	
For Tinted Glass, Add	13.10	
For Reflective Coated Glass, Add	26.21	
For Low-E Coated Glass, Add	21.84	
For Argon Gas, Add	12.01	
<b>08 81 23 23-0075 Spandrel Field Installed Glass (08 81 23 23)</b>		
<b>08 81 23 23-0076 Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass (08 81 23 23-0075)</b>		
08 81 23 23-0077 SF 1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass ..... 36.38 For Glass Removal And Preparing Opening For New Glazing, Add	15.88	
08 81 23 23-0078 SF 1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass ..... 31.98 For Glass Removal And Preparing Opening For New Glazing, Add	15.88	
<b>08 81 23 23-0079 Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass (08 81 23 23-0075)</b>		
<b>08 81 23 23-0080 1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass (08 81 23 23-0079)</b> Note: Also with aluminum foil vapor barrier.		
08 81 23 23-0081 SF 1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass ..... 40.96 For Glass Removal And Preparing Opening For New Glazing, Add	15.88	
08 81 23 23-0082 SF 1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass ..... 35.98 For Glass Removal And Preparing Opening For New Glazing, Add	15.88	
<b>08 81 23 23-0083 1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass (08 81 23 23-0079)</b>		
08 81 23 23-0084 SF 1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass ..... 49.62 For Glass Removal And Preparing Opening For New Glazing, Add	15.88	
08 81 23 23-0085 SF 1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass ..... 39.83 For Glass Removal And Preparing Opening For New Glazing, Add	15.88	
<b>08 83 Mirrors (08 80)</b> Note: Kind FT, Type I, Class I, Quality Q1.		

08	<b>08</b>	<b>Openings</b>
	<b>08 80</b>	<b>Glazing</b>
	<b>08 83</b>	<b>Mirrors</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 83 13 Mirrored Glass Glazing (08 83)**

08 83 13 00-0001	Mirror Glass (08 83 13)		
08 83 13 00-0002	One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0003	SF 1/4" One-Way Vision Glass (Transparent Mirrors).....	82.51	7.15
	For >50 To 200, Deduct	-2.05	
	For >200 To 400, Deduct	-3.42	
	For >400, Deduct	-5.47	
08 83 13 00-0004	Tempered, One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0005	SF 1/4" Tempered, One-Way Vision Glass (Transparent Mirrors).....	116.46	7.15
	For >50 To 200, Deduct	-3.07	
	For >200 To 400, Deduct	-5.12	
	For >400, Deduct	-8.19	
08 83 13 00-0006	Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0007	SF 1/8" Clear Mirror Glass.....	26.63	5.72
	For >50 To 200, Deduct	-0.46	
	For >200 To 400, Deduct	-0.76	
	For >400, Deduct	-1.22	
08 83 13 00-0008	SF 3/16" Clear Mirror Glass.....	31.55	6.67
	For >50 To 200, Deduct	-0.55	
	For >200 To 400, Deduct	-0.92	
	For >400, Deduct	-1.47	
08 83 13 00-0009	SF 1/4" Clear Mirror Glass.....	34.64	7.15
	For >50 To 200, Deduct	-0.62	
	For >200 To 400, Deduct	-1.03	
	For >400, Deduct	-1.64	
08 83 13 00-0010	Tempered, Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0011	SF 1/8" Tempered, Clear Mirror Glass .....	44.85	5.72
	For >50 To 200, Deduct	-1.00	
	For >200 To 400, Deduct	-1.67	
	For >400, Deduct	-2.67	
08 83 13 00-0012	SF 3/16" Tempered, Clear Mirror Glass .....	50.89	6.67
	For >50 To 200, Deduct	-1.13	
	For >200 To 400, Deduct	-1.89	
	For >400, Deduct	-3.02	
08 83 13 00-0013	SF 1/4" Tempered, Clear Mirror Glass .....	56.20	7.15
	For >50 To 200, Deduct	-1.26	
	For >200 To 400, Deduct	-2.10	
	For >400, Deduct	-3.37	
08 83 13 00-0014	Clear Mirror Glass With Laminated Safety Backing (08 83 13 00-0001)		
08 83 13 00-0015	SF 1/4" Clear Mirror Glass With Laminated Safety Backing.....	36.69	7.15
	For >50 To 200, Deduct	-0.68	
	For >200 To 400, Deduct	-1.13	
	For >400, Deduct	-1.81	
08 83 13 00-0016	Laminated Safety Mirror Glass (08 83 13 00-0001)		
	Note: Clear glass laminated to face of mirror with PVB interlayer.		
08 83 13 00-0017	SF 1/4" Laminated Safety Mirror Glass .....	71.86	7.15
	For >50 To 200, Deduct	-1.73	
	For >200 To 400, Deduct	-2.89	
	For >400, Deduct	-4.62	
08 83 13 00-0018	Accessories For Mirror Glass (08 83 13)		
08 83 13 00-0019	LF 1/8" Aluminum J-Channel For Mounting Mirror Glass.....	5.21	
08 83 13 00-0020	LF 3/16" Aluminum J-Channel For Mounting Mirror Glass.....	5.33	
08 83 13 00-0021	LF 1/4" Aluminum J-Channel For Mounting Mirror Glass.....	6.94	
08 83 13 00-0022	LF Aluminum Frame For Mounting Mirror Glass .....	9.18	

**08 84 Plastic Glazing (08 80)**

08 84 00 00-0001	Clear Polycarbonate Glazing (GE Lexan) (08 84)		
08 84 00 00-0002	SF 1/8" Thick, Clear Polycarbonate Glazing (GE Lexan) .....	16.97	
	For >50 To 200, Deduct	-0.40	
	For >200 To 400, Deduct	-0.80	
	For >400, Deduct	-1.20	
	For Glass Removal And Preparing Opening For New Glazing, Add	8.99	
08 84 00 00-0003	SF 3/16" Thick, Clear Polycarbonate Glazing (GE Lexan) .....	17.88	
	For >50 To 200, Deduct	-0.43	
	For >200 To 400, Deduct	-0.85	
	For >400, Deduct	-1.28	
	For Glass Removal And Preparing Opening For New Glazing, Add	9.34	



<b>Openings</b>	<b>08</b>	<b>08</b>
Glazing	08 80	
Plastic Glazing	08 84	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0004 SF 1/4" Thick, Clear Polycarbonate Glazing (GE Lexan) .....	21.29	
For >50 To 200, Deduct	-0.58	
For >200 To 400, Deduct	-1.16	
For >400, Deduct	-1.74	
For Glass Removal And Preparing Opening For New Glazing, Add	9.71	
08 84 00 00-0005 SF 3/8" Thick, Clear Polycarbonate Glazing (GE Lexan) .....	30.78	
For >50 To 200, Deduct	-1.04	
For >200 To 400, Deduct	-2.08	
For >400, Deduct	-3.12	
For Glass Removal And Preparing Opening For New Glazing, Add	9.99	
08 84 00 00-0006 SF 1/2" Thick, Clear Polycarbonate Glazing (GE Lexan) .....	38.98	
For >50 To 200, Deduct	-1.41	
For >200 To 400, Deduct	-2.83	
For >400, Deduct	-4.24	
For Glass Removal And Preparing Opening For New Glazing, Add	10.72	
<b>08 84 00 00-0007 Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) (08 84)</b>		
08 84 00 00-0008 SF 1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	25.39	
For >50 To 200, Deduct	-0.82	
For >200 To 400, Deduct	-1.64	
For >400, Deduct	-2.46	
For Glass Removal And Preparing Opening For New Glazing, Add	8.99	
08 84 00 00-0009 SF 3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	29.52	
For >50 To 200, Deduct	-1.01	
For >200 To 400, Deduct	-2.02	
For >400, Deduct	-3.03	
For Glass Removal And Preparing Opening For New Glazing, Add	9.34	
08 84 00 00-0010 SF 1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	31.18	
For >50 To 200, Deduct	-1.07	
For >200 To 400, Deduct	-2.15	
For >400, Deduct	-3.22	
For Glass Removal And Preparing Opening For New Glazing, Add	9.71	
08 84 00 00-0011 SF 3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	51.47	
For >50 To 200, Deduct	-2.07	
For >200 To 400, Deduct	-4.15	
For >400, Deduct	-6.22	
For Glass Removal And Preparing Opening For New Glazing, Add	9.99	
08 84 00 00-0012 SF 1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	54.68	
For >50 To 200, Deduct	-2.20	
For >200 To 400, Deduct	-4.40	
For >400, Deduct	-6.59	
For Glass Removal And Preparing Opening For New Glazing, Add	10.72	
<b>08 84 00 00-0013 Clear Acrylic Glazing (Plexiglas) (08 84)</b>		
08 84 00 00-0014 SF 1/10" Thick, Clear Acrylic Glazing (Plexiglas) .....	12.72	
For >50 To 200, Deduct	-0.21	
For >200 To 400, Deduct	-0.41	
For >400, Deduct	-0.62	
For Glass Removal And Preparing Opening For New Glazing, Add	8.58	
For Colored, Add	0.83	
For Shatterproof, Add	2.48	
For Mirrored, Add	3.31	
08 84 00 00-0015 SF 1/8" Thick, Clear Acrylic Glazing (Plexiglas) .....	13.18	
For >50 To 200, Deduct	-0.21	
For >200 To 400, Deduct	-0.42	
For >400, Deduct	-0.63	
For Glass Removal And Preparing Opening For New Glazing, Add	8.99	
For Colored, Add	0.84	
For Shatterproof, Add	2.51	
For Mirrored, Add	3.35	
08 84 00 00-0016 SF 3/16" Thick, Clear Acrylic Glazing (Plexiglas) .....	15.88	
For >50 To 200, Deduct	-0.33	
For >200 To 400, Deduct	-0.65	
For >400, Deduct	-0.98	
For Glass Removal And Preparing Opening For New Glazing, Add	9.34	
For Colored, Add	1.31	
For Shatterproof, Add	3.92	
For Mirrored, Add	5.23	
08 84 00 00-0017 SF 1/4" Thick, Clear Acrylic Glazing (Plexiglas) .....	18.32	
For >50 To 200, Deduct	-0.43	
For >200 To 400, Deduct	-0.86	
For >400, Deduct	-1.29	
For Glass Removal And Preparing Opening For New Glazing, Add	9.71	
For Colored, Add	1.72	
For Shatterproof, Add	5.17	
For Mirrored, Add	6.89	
08 84 00 00-0018 SF 5/16" Thick, Clear Acrylic Glazing (Plexiglas) .....	18.79	
For >50 To 200, Deduct	-0.45	
For >200 To 400, Deduct	-0.90	
For >400, Deduct	-1.35	
For Glass Removal And Preparing Opening For New Glazing, Add	9.77	
For Colored, Add	1.80	
For Shatterproof, Add	5.41	
For Mirrored, Add	7.22	

<b>08</b>	<b>08</b>	<b>Openings</b>
	<b>08 80</b>	<b>Glazing</b>
	<b>08 84</b>	<b>Plastic Glazing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0019 SF 3/8" Thick, Clear Acrylic Glazing (Plexiglas) .....	19.42	
For >50 To 200, Deduct	-0.47	
For >200 To 400, Deduct	-0.94	
For >400, Deduct	-1.41	
For Glass Removal And Preparing Opening For New Glazing, Add	9.99	
For Colored, Add	1.89	
For Shatterproof, Add	5.66	
For Mirrored, Add	7.54	
08 84 00 00-0020 SF 1/2" Thick, Clear Acrylic Glazing (Plexiglas) .....	23.19	
For >50 To 200, Deduct	-0.62	
For >200 To 400, Deduct	-1.25	
For >400, Deduct	-1.87	
For Glass Removal And Preparing Opening For New Glazing, Add	10.72	
For Colored, Add	2.49	
For Shatterproof, Add	7.48	
For Mirrored, Add	9.98	
08 84 00 00-0021 SF 3/4" Thick, Clear Acrylic Glazing (Plexiglas) .....	32.98	
For >50 To 200, Deduct	-0.97	
For >200 To 400, Deduct	-1.94	
For >400, Deduct	-2.91	
For Glass Removal And Preparing Opening For New Glazing, Add	13.56	
08 84 00 00-0022 SF 1" Thick, Clear Acrylic Glazing (Plexiglas) .....	44.60	
For >50 To 200, Deduct	-1.49	
For >200 To 400, Deduct	-2.99	
For >400, Deduct	-4.48	
For Glass Removal And Preparing Opening For New Glazing, Add	14.73	

## 08 85 Glazing Accessories (08 80)

Note: Applicable to reglazing tasks only, new window installation includes the gasket.

### 08 85 00 00-0001 Framing For Glass Windscreens (08 85)

Note: Excludes glazing.

08 85 00 00-0002 LF 1-1/4" x 1-1/2" Aluminum Framed Window Walls.....	29.13	2.04
For Bronze Anodized Aluminum, Add	3.53	
For Stainless Steel, Add	14.40	
For Black Anodized Finish, Add	6.36	
08 85 00 00-0003 LF 1-1/2" x 2" Aluminum Framed Window Walls.....	36.02	2.54
For Bronze Anodized Aluminum, Add	4.49	
For Stainless Steel, Add	18.26	
For Black Anodized Finish, Add	8.08	
08 85 00 00-0004 LF 1-1/2" x 3" Aluminum Framed Window Walls.....	42.88	2.04
For Bronze Anodized Aluminum, Add	5.36	
For Stainless Steel, Add	21.81	
For Black Anodized Finish, Add	9.66	
08 85 00 00-0005 LF 1-1/2" x 4" Aluminum Framed Window Walls.....	51.89	3.05
For Bronze Anodized Aluminum, Add	6.41	
For Stainless Steel, Add	26.10	
For Black Anodized Finish, Add	11.54	
08 85 00 00-0006 LF 2" x 3" Aluminum Framed Window Walls.....	53.06	2.54
For Bronze Anodized Aluminum, Add	6.81	
For Stainless Steel, Add	27.64	
For Black Anodized Finish, Add	12.27	
08 85 00 00-0007 LF 2" x 4" Aluminum Framed Window Walls.....	64.44	3.05
For Bronze Anodized Aluminum, Add	8.14	
For Stainless Steel, Add	33.07	
For Black Anodized Finish, Add	14.65	

## 08 87 Glazing Surface Films (08 80)

### 08 87 13 Solar Control Films (08 87)

Note: Applied directly to one side of glazing with adhesive.

#### 08 87 13 00-0001 Window Tinting And Film (08 87 13)

Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

08 87 13 00-0002 SF 20% VLT, Bronze Window Tinting Film.....	9.34
08 87 13 00-0003 SF 50% VLT, Bronze Window Tinting Film.....	9.34
08 87 13 00-0004 SF Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™) .....	14.76
08 87 13 00-0005 SF Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™) .....	15.35

### 08 87 23 Safety and Security Films (08 87)

#### 08 87 23 16 Security Films (08 87 23)

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

#### 08 87 23 16-0001 High Performance, Security And Safety Glazing Films (08 87 23 16)

Note: Includes cleaning of window glazing prior to installation.

#### 08 87 23 16-0002 Clear, High Performance, Security And Safety Glazing Films (08 87 23 16-0001)

08 87 23 16-0003 SF 0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150) .....	15.03
For >1,000 To 5,000, Deduct	-0.68
For >5,000, Deduct	-1.01



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Glazing</b>	<b>08 80</b>	
<b>Glazing Surface Films</b>	<b>08 87</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 87 23 16-0004 SF 0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400).....	16.14	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.72	
<i>For &gt;5,000, Deduct</i>	-1.12	
08 87 23 16-0005 SF 0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600) .....	17.67	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.77	
<i>For &gt;5,000, Deduct</i>	-1.27	
<b>08 87 23 16-0006 Tinted, High Performance Sun/Solar, Security And Safety Glazing Films</b> <small>(08 87 23 16-0001)</small>		
08 87 23 16-0007 SF 0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400).....	17.36	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.76	
<i>For &gt;5,000, Deduct</i>	-1.24	
08 87 23 16-0008 SF 0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400) .....	17.36	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.76	
<i>For &gt;5,000, Deduct</i>	-1.24	
08 87 23 16-0009 SF 0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400) .....	17.36	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.76	
<i>For &gt;5,000, Deduct</i>	-1.24	
<b>08 87 23 16-0010 Security And Safety Glazing Films</b> <small>(08 87 23 16)</small>		
<i>Note: Includes cleaning of window glazing prior to installation.</i>		
08 87 23 16-0011 SF 0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL) .....	13.81	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.63	
<i>For &gt;5,000, Deduct</i>	-0.88	
08 87 23 16-0012 SF 0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL) .....	14.11	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.65	
<i>For &gt;5,000, Deduct</i>	-0.91	
08 87 23 16-0013 SF 0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL) .....	16.88	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.75	
<i>For &gt;5,000, Deduct</i>	-1.19	
<b>08 87 23 16-0014 Anti-Graffiti Glazing Films</b> <small>(08 87 23 16)</small>		
<i>Note: Includes cleaning of window glazing prior to installation.</i>		
08 87 23 16-0015 SF 0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4).....	13.81	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.63	
<i>For &gt;5,000, Deduct</i>	-0.88	
08 87 23 16-0016 SF 0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7).....	14.11	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.65	
<i>For &gt;5,000, Deduct</i>	-0.91	
<b>08 88 Special Function Glazing</b> <small>(08 80)</small>		
<b>08 88 49 Radiation-Resistant Glazing</b> <small>(08 88)</small>		
<b>08 88 49 00-0001 Leaded Glass (X-Ray Shielding)</b> <small>(08 88 49)</small>		
08 88 49 00-0002 SF 1/4" Thick Lead Glass With 1/16" Lead Equivalence .....	338.41	
08 88 49 00-0003 SF 1/4" Thick Lead Glass With 1/8" Lead Equivalence .....	504.55	
<b>08 88 49 00-0004 Leaded Acrylic (X-Ray Shielding)</b> <small>(08 88 49)</small>		
08 88 49 00-0005 SF 7mm Thick, 0.3mm LE, 2.3 LB/SF X-Ray Viewing Panels, Clear Lead Plastic.....	238.66	5.72
08 88 49 00-0006 SF 12mm Thick, 0.5mm LE, 3.9 LB/SF X-Ray Viewing Panels, Clear Lead Plastic.....	323.89	9.53
08 88 49 00-0007 SF 18mm Thick, 0.8mm LE, 5.9 LB/SF X-Ray Viewing Panels, Clear Lead Plastic.....	363.89	14.29
08 88 49 00-0008 SF 22mm Thick, 1mm LE, 7.2 LB/SF X-Ray Viewing Panels, Clear Lead Plastic.....	377.92	17.15
08 88 49 00-0009 SF 35mm Thick, 1.5mm LE, 11.5 LB/SF X-Ray Viewing Panels, Clear Lead Plastic.....	439.50	27.16
08 88 49 00-0010 SF 46mm Thick, 2mm LE, 15 LB/SF X-Ray Viewing Panels, Clear Lead Plastic.....	579.53	36.21
<b>08 88 53 Security Glazing</b> <small>(08 88)</small>		
<b>08 88 53 00-0001 Forced Entry And/Or Ballistic Resistant All Glass Laminate</b> <small>(08 88 53)</small>		
<b>08 88 53 00-0002 Ballistic Resistant Glass</b> <small>(08 88 53 00-0001)</small>		
08 88 53 00-0003 SF 1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, Up To 15 SF .....	129.92	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	59.07	
08 88 53 00-0004 SF 1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, >15 SF.....	153.92	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	59.07	
08 88 53 00-0005 SF 1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, Up To 15 SF .....	174.62	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	66.70	
08 88 53 00-0006 SF 1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, >15 SF.....	194.67	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	66.70	
08 88 53 00-0007 SF 2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, Up To 15 SF .....	221.20	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	76.22	
08 88 53 00-0008 SF 2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, >15 SF.....	237.31	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	76.22	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>08 88 53 00-0009</b>	<b>Forced Entry Resistant Glass</b> <small>(08 88 53 00-0001)</small>	
08 88 53 00-0010	SF 5/16" Forced Entry Resistant Laminated Glass Sheet ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	48.87 14.88
08 88 53 00-0011	SF 1/2" Forced Entry Resistant Laminated Glass Sheet ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	55.61 15.88
08 88 53 00-0012	SF 11/16" Forced Entry Resistant Laminated Glass Sheet ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	63.58 17.02
08 88 53 00-0013	SF 7/8" Forced Entry Resistant Laminated Glass Sheet ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	77.21 18.32
<b>08 88 53 00-0014</b>	<b>Glass Clad Polycarbonate</b> <small>(08 88 53)</small>	
08 88 53 00-0015	SF 0.75" Ballistic Resistant Glass/Poly, 7.84 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	191.91 72.41
08 88 53 00-0016	SF 0.8125" Ballistic Resistant Glass/Poly, 8.99 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	214.21 83.85
08 88 53 00-0017	SF 0.9375" Ballistic Resistant Glass/Poly, 11.11 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	275.30 95.28
<b>08 88 53 00-0018</b>	<b>Ballistic Resistant Acrylic</b> <small>(08 88 53)</small>	
08 88 53 00-0019	SF 1.25" Ballistic Resistant Acrylic Glass, 7.7 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	336.23 72.41
08 88 53 00-0020	SF 1.378" Ballistic Resistant Acrylic Glass, 8.5 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	394.23 83.85
08 88 53 00-0021	SF 1.25" Ballistic Resistant Acrylic Glass, 7.5 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	529.81 95.28
<b>08 88 53 00-0022</b>	<b>Ballistic Resistant Fiberglass</b> <small>(08 88 53)</small>	
08 88 53 00-0023	SF 5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	80.28 36.21
08 88 53 00-0024	SF 3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	95.09 41.92
08 88 53 00-0025	SF 7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	107.85 47.64
<b>08 88 53 00-0026</b>	<b>Forced Entry And/Or Ballistic Resistant Polycarbonate</b> <small>(08 88 53)</small>	
<b>08 88 53 00-0027</b>	<b>Forced Entry Resistant Monolithic Polycarbonate</b> <small>(08 88 53 00-0026)</small> Note: GE-Lexan MR10.	
08 88 53 00-0028	SF 1/2" Overall Nominal Thickness, H.P. White TP-0500.01 ..... Note: Level 1 or ASTM F1233, Class II (Step 5). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	107.62 57.75
<b>08 88 53 00-0029</b>	<b>Forced Entry Resistant Glass Clad Polycarbonate Laminate</b> <small>(08 88 53 00-0026)</small> Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.	
08 88 53 00-0030	SF 9/16" Overall Nominal Thickness, H.P. White TP-0500.01 ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	133.03 71.46
<b>08 88 53 00-0031</b>	<b>Forced Entry Resistant Polycarbonate Laminate</b> <small>(08 88 53 00-0026)</small> Note: GE-Lexgard MPC-500.	
08 88 53 00-0032	SF 1/2" Overall Nominal Thickness, H.P. White TP-0500.01 ..... Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	165.10 76.22
<b>08 88 53 00-0033</b>	<b>Fire Resistant, Forced Entry Resistant Polycarbonate Laminate</b> <small>(08 88 53 00-0026)</small> Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.	
08 88 53 00-0034	SF 7/8" Overall Nominal Thickness, H.P. White TP-0500.01 ..... Note: UL-9 Fire Resistant. <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	181.29 80.99
<b>08 88 53 00-0035</b>	<b>Insulated, Forced Entry Resistant Polycarbonate Laminate</b> <small>(08 88 53 00-0026)</small> Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.	
08 88 53 00-0036	SF 1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 ..... Note: Level I (1/4" tempered float glass, 1/2" airspace). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	155.04 71.46
<b>08 88 53 00-0037</b>	<b>Ballistic And Forced Entry Resistant Polycarbonate Laminate</b> <small>(08 88 53 00-0026)</small>	
08 88 53 00-0038	SF 1" Nominal Thickness, Ballistic Or Forced Entry Resistant ..... Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	358.63 158.17





<b>Openings</b>	<b>08</b>	<b>08</b>
Glazing	08 80	
Special Function Glazing	08 88	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0039 SF 1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant.....	363.37	
Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun).		
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>		
	158.17	
<b>08 88 53 00-0040 Ballistic Resistant Glass Clad Polycarbonate Laminate</b> <small>(08 88 53 00-0026)</small>		
Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041 SF 1-5/16" Overall Nominal Thickness, Ballistic Resistant.....	238.50	
Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard).		
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>		
	106.72	

## 08 90 Louvers and Vents (08)

### 08 91 Louvers (08 90)

#### 08 91 13 Motorized Wall Louvers (08 91)

##### 08 91 13 00-0001 Motorized Wall Louver Actuator (08 91 13)

See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.		
08 91 13 00-0002 EA 115 Volt Actuator For Adjustable Intake Louver.....	1,739.30	121.98
08 91 13 00-0003 EA 230 Volt Actuator For Adjustable Intake Louver.....	2,621.32	121.98
08 91 13 00-0004 EA 24 Volt Actuator For Adjustable Intake Louver.....	1,865.02	121.98
08 91 13 00-0005 EA 115 Volt Hazardous Location Actuator For Adjustable Intake Louver.....	7,042.20	121.98

#### 08 91 16 Operable Wall Louvers (08 91)

##### 08 91 16 00-0001 Adjustable Intake Wall Louvers (08 91 16)

See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002 EA 12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	468.26	32.29
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>		
	40.37	
<i>For Clear Lacquer Finish, Add</i>		
	80.74	
<i>For Baked Enamel Standard Colors, Add</i>		
	121.10	
<i>For Anodized Finish, Add</i>		
	161.47	
<i>For Kynar® Standard Colors Finish, Add</i>		
	222.02	
08 91 16 00-0003 EA 12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	584.77	39.47
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>		
	50.58	
<i>For Clear Lacquer Finish, Add</i>		
	101.17	
<i>For Baked Enamel Standard Colors, Add</i>		
	151.75	
<i>For Anodized Finish, Add</i>		
	202.33	
<i>For Kynar® Standard Colors Finish, Add</i>		
	278.21	
08 91 16 00-0004 EA 12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	691.44	46.64
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>		
	59.82	
<i>For Clear Lacquer Finish, Add</i>		
	119.63	
<i>For Baked Enamel Standard Colors, Add</i>		
	179.45	
<i>For Anodized Finish, Add</i>		
	239.26	
<i>For Kynar® Standard Colors Finish, Add</i>		
	328.99	
08 91 16 00-0005 EA 12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	808.92	53.82
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>		
	70.13	
<i>For Clear Lacquer Finish, Add</i>		
	140.26	
<i>For Baked Enamel Standard Colors, Add</i>		
	210.39	
<i>For Anodized Finish, Add</i>		
	280.52	
<i>For Kynar® Standard Colors Finish, Add</i>		
	385.71	
08 91 16 00-0006 EA 12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	911.67	61.00
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>		
	78.97	
<i>For Clear Lacquer Finish, Add</i>		
	157.94	
<i>For Baked Enamel Standard Colors, Add</i>		
	236.91	
<i>For Anodized Finish, Add</i>		
	315.88	
<i>For Kynar® Standard Colors Finish, Add</i>		
	434.33	
08 91 16 00-0007 EA 12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,074.34	68.17
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>		
	93.80	
<i>For Clear Lacquer Finish, Add</i>		
	187.60	
<i>For Baked Enamel Standard Colors, Add</i>		
	281.40	
<i>For Anodized Finish, Add</i>		
	375.20	
<i>For Kynar® Standard Colors Finish, Add</i>		
	515.90	
08 91 16 00-0008 EA 12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,223.25	75.35
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>		
	107.26	
<i>For Clear Lacquer Finish, Add</i>		
	214.51	
<i>For Baked Enamel Standard Colors, Add</i>		
	321.77	
<i>For Anodized Finish, Add</i>		
	429.02	
<i>For Kynar® Standard Colors Finish, Add</i>		
	589.91	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0009	EA		12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum .....	1,359.70	86.11
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	118.75	
			For Clear Lacquer Finish, Add	237.50	
			For Baked Enamel Standard Colors, Add	356.24	
			For Anodized Finish, Add	474.99	
			For Kynar® Standard Colors Finish, Add	653.11	
08 91 16 00-0010	EA		12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum .....	1,451.64	93.28
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	126.51	
			For Clear Lacquer Finish, Add	253.01	
			For Baked Enamel Standard Colors, Add	379.52	
			For Anodized Finish, Add	506.03	
			For Kynar® Standard Colors Finish, Add	695.79	
08 91 16 00-0011	EA		12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum .....	1,566.18	100.46
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	136.53	
			For Clear Lacquer Finish, Add	273.05	
			For Baked Enamel Standard Colors, Add	409.58	
			For Anodized Finish, Add	546.10	
			For Kynar® Standard Colors Finish, Add	750.89	
08 91 16 00-0012	EA		12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum .....	1,666.96	107.63
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	145.17	
			For Clear Lacquer Finish, Add	290.34	
			For Baked Enamel Standard Colors, Add	435.51	
			For Anodized Finish, Add	580.68	
			For Kynar® Standard Colors Finish, Add	798.43	
08 91 16 00-0013	EA		12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum .....	1,795.26	114.81
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	156.56	
			For Clear Lacquer Finish, Add	313.13	
			For Baked Enamel Standard Colors, Add	469.69	
			For Anodized Finish, Add	626.25	
			For Kynar® Standard Colors Finish, Add	861.10	
08 91 16 00-0014	EA		12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum .....	1,918.63	121.98
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	167.47	
			For Clear Lacquer Finish, Add	334.93	
			For Baked Enamel Standard Colors, Add	502.40	
			For Anodized Finish, Add	669.86	
			For Kynar® Standard Colors Finish, Add	921.06	
08 91 16 00-0015	EA		12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum .....	2,072.76	132.75
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	180.73	
			For Clear Lacquer Finish, Add	361.45	
			For Baked Enamel Standard Colors, Add	542.18	
			For Anodized Finish, Add	722.90	
			For Kynar® Standard Colors Finish, Add	993.99	
08 91 16 00-0016	EA		12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum .....	2,187.58	143.51
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	190.06	
			For Clear Lacquer Finish, Add	380.11	
			For Baked Enamel Standard Colors, Add	570.17	
			For Anodized Finish, Add	760.22	
			For Kynar® Standard Colors Finish, Add	1,045.31	
08 91 16 00-0017	EA		18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum .....	526.82	39.47
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	44.79	
			For Clear Lacquer Finish, Add	89.58	
			For Baked Enamel Standard Colors, Add	134.36	
			For Anodized Finish, Add	179.15	
			For Kynar® Standard Colors Finish, Add	246.33	
08 91 16 00-0018	EA		18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum .....	665.22	50.23
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	56.48	
			For Clear Lacquer Finish, Add	112.95	
			For Baked Enamel Standard Colors, Add	169.43	
			For Anodized Finish, Add	225.90	
			For Kynar® Standard Colors Finish, Add	310.62	
08 91 16 00-0019	EA		18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum .....	779.76	57.41
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	66.50	
			For Clear Lacquer Finish, Add	132.99	
			For Baked Enamel Standard Colors, Add	199.49	
			For Anodized Finish, Add	265.98	
			For Kynar® Standard Colors Finish, Add	365.72	
08 91 16 00-0020	EA		18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum .....	970.52	71.76
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	82.70	
			For Clear Lacquer Finish, Add	165.40	
			For Baked Enamel Standard Colors, Add	248.10	
			For Anodized Finish, Add	330.80	
			For Kynar® Standard Colors Finish, Add	454.86	



<b>Openings</b>	<b>08</b>
<b>Louvers and Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0021	EA		18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,102.74	78.94
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	94.49	
			For Clear Lacquer Finish, Add	188.98	
			For Baked Enamel Standard Colors, Add	283.46	
			For Anodized Finish, Add	377.95	
			For Kynar® Standard Colors Finish, Add	519.68	
08 91 16 00-0022	EA		18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,234.96	86.11
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	106.27	
			For Clear Lacquer Finish, Add	212.55	
			For Baked Enamel Standard Colors, Add	318.82	
			For Anodized Finish, Add	425.10	
			For Kynar® Standard Colors Finish, Add	584.51	
08 91 16 00-0023	EA		18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,392.71	93.28
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	120.61	
			For Clear Lacquer Finish, Add	241.23	
			For Baked Enamel Standard Colors, Add	361.84	
			For Anodized Finish, Add	482.46	
			For Kynar® Standard Colors Finish, Add	663.38	
08 91 16 00-0024	EA		18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,544.87	104.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	133.68	
			For Clear Lacquer Finish, Add	267.35	
			For Baked Enamel Standard Colors, Add	401.03	
			For Anodized Finish, Add	534.71	
			For Kynar® Standard Colors Finish, Add	735.22	
08 91 16 00-0025	EA		18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,667.57	114.81
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	143.79	
			For Clear Lacquer Finish, Add	287.59	
			For Baked Enamel Standard Colors, Add	431.38	
			For Anodized Finish, Add	575.18	
			For Kynar® Standard Colors Finish, Add	790.87	
08 91 16 00-0026	EA		18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,784.07	121.98
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	154.01	
			For Clear Lacquer Finish, Add	308.02	
			For Baked Enamel Standard Colors, Add	462.03	
			For Anodized Finish, Add	616.04	
			For Kynar® Standard Colors Finish, Add	847.05	
08 91 16 00-0027	EA		18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,893.69	129.16
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	163.54	
			For Clear Lacquer Finish, Add	327.07	
			For Baked Enamel Standard Colors, Add	490.61	
			For Anodized Finish, Add	654.14	
			For Kynar® Standard Colors Finish, Add	899.45	
08 91 16 00-0028	EA		18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,034.75	136.34
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	176.21	
			For Clear Lacquer Finish, Add	352.41	
			For Baked Enamel Standard Colors, Add	528.62	
			For Anodized Finish, Add	704.83	
			For Kynar® Standard Colors Finish, Add	969.14	
08 91 16 00-0029	EA		18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,170.88	143.51
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	188.39	
			For Clear Lacquer Finish, Add	376.77	
			For Baked Enamel Standard Colors, Add	565.16	
			For Anodized Finish, Add	753.54	
			For Kynar® Standard Colors Finish, Add	1,036.12	
08 91 16 00-0030	EA		18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,337.78	154.28
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	202.92	
			For Clear Lacquer Finish, Add	405.85	
			For Baked Enamel Standard Colors, Add	608.77	
			For Anodized Finish, Add	811.69	
			For Kynar® Standard Colors Finish, Add	1,116.08	
08 91 16 00-0031	EA		18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,465.38	165.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	213.53	
			For Clear Lacquer Finish, Add	427.06	
			For Baked Enamel Standard Colors, Add	640.59	
			For Anodized Finish, Add	854.12	
			For Kynar® Standard Colors Finish, Add	1,174.42	
08 91 16 00-0032	EA		24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	590.27	46.64
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	49.70	
			For Clear Lacquer Finish, Add	99.40	
			For Baked Enamel Standard Colors, Add	149.10	
			For Anodized Finish, Add	198.80	
			For Kynar® Standard Colors Finish, Add	273.34	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0033	EA		24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	748.33	57.41
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	63.35	
			For Clear Lacquer Finish, Add	126.70	
			For Baked Enamel Standard Colors, Add	190.06	
			For Anodized Finish, Add	253.41	
			For Kynar® Standard Colors Finish, Add	348.44	
08 91 16 00-0034	EA		24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	926.03	68.17
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	78.97	
			For Clear Lacquer Finish, Add	157.94	
			For Baked Enamel Standard Colors, Add	236.91	
			For Anodized Finish, Add	315.88	
			For Kynar® Standard Colors Finish, Add	434.33	
08 91 16 00-0035	EA		24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,093.22	82.53
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	92.82	
			For Clear Lacquer Finish, Add	185.64	
			For Baked Enamel Standard Colors, Add	278.45	
			For Anodized Finish, Add	371.27	
			For Kynar® Standard Colors Finish, Add	510.50	
08 91 16 00-0036	EA		24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,238.20	89.70
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	105.88	
			For Clear Lacquer Finish, Add	211.76	
			For Baked Enamel Standard Colors, Add	317.64	
			For Anodized Finish, Add	423.52	
			For Kynar® Standard Colors Finish, Add	562.35	
08 91 16 00-0037	EA		24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,391.04	96.87
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	119.73	
			For Clear Lacquer Finish, Add	239.46	
			For Baked Enamel Standard Colors, Add	359.19	
			For Anodized Finish, Add	478.92	
			For Kynar® Standard Colors Finish, Add	658.52	
08 91 16 00-0038	EA		24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,580.53	107.63
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	136.53	
			For Clear Lacquer Finish, Add	273.05	
			For Baked Enamel Standard Colors, Add	409.58	
			For Anodized Finish, Add	546.10	
			For Kynar® Standard Colors Finish, Add	750.89	
08 91 16 00-0039	EA		24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,742.82	121.98
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	149.88	
			For Clear Lacquer Finish, Add	299.77	
			For Baked Enamel Standard Colors, Add	449.65	
			For Anodized Finish, Add	599.54	
			For Kynar® Standard Colors Finish, Add	824.36	
08 91 16 00-0040	EA		24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,867.17	129.16
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	160.88	
			For Clear Lacquer Finish, Add	321.77	
			For Baked Enamel Standard Colors, Add	482.65	
			For Anodized Finish, Add	643.54	
			For Kynar® Standard Colors Finish, Add	884.86	
08 91 16 00-0041	EA		24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,005.87	143.51
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	171.89	
			For Clear Lacquer Finish, Add	343.77	
			For Baked Enamel Standard Colors, Add	515.66	
			For Anodized Finish, Add	687.54	
			For Kynar® Standard Colors Finish, Add	945.37	
08 91 16 00-0042	EA		24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,132.20	150.69
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	183.08	
			For Clear Lacquer Finish, Add	366.16	
			For Baked Enamel Standard Colors, Add	549.25	
			For Anodized Finish, Add	732.33	
			For Kynar® Standard Colors Finish, Add	1,006.95	
08 91 16 00-0043	EA		24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,302.72	157.86
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	198.70	
			For Clear Lacquer Finish, Add	397.40	
			For Baked Enamel Standard Colors, Add	596.10	
			For Anodized Finish, Add	794.80	
			For Kynar® Standard Colors Finish, Add	1,092.84	
08 91 16 00-0044	EA		24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,447.70	165.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	211.76	
			For Clear Lacquer Finish, Add	423.52	
			For Baked Enamel Standard Colors, Add	635.29	
			For Anodized Finish, Add	847.05	
			For Kynar® Standard Colors Finish, Add	1,164.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0045 EA 24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,631.30	175.80
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	227.97	
<i>For Clear Lacquer Finish, Add</i>	455.94	
<i>For Baked Enamel Standard Colors, Add</i>	683.91	
<i>For Anodized Finish, Add</i>	911.88	
<i>For Kynar® Standard Colors Finish, Add</i>	1,253.83	
08 91 16 00-0046 EA 24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,767.74	186.57
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	239.46	
<i>For Clear Lacquer Finish, Add</i>	478.92	
<i>For Baked Enamel Standard Colors, Add</i>	718.38	
<i>For Anodized Finish, Add</i>	957.84	
<i>For Kynar® Standard Colors Finish, Add</i>	1,317.03	
08 91 16 00-0047 EA 30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	658.64	53.82
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	55.10	
<i>For Clear Lacquer Finish, Add</i>	110.20	
<i>For Baked Enamel Standard Colors, Add</i>	165.30	
<i>For Anodized Finish, Add</i>	220.40	
<i>For Kynar® Standard Colors Finish, Add</i>	303.06	
08 91 16 00-0048 EA 30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	877.21	71.76
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	73.37	
<i>For Clear Lacquer Finish, Add</i>	146.74	
<i>For Baked Enamel Standard Colors, Add</i>	220.11	
<i>For Anodized Finish, Add</i>	293.48	
<i>For Kynar® Standard Colors Finish, Add</i>	403.54	
08 91 16 00-0049 EA 30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,040.18	82.53
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	87.51	
<i>For Clear Lacquer Finish, Add</i>	175.03	
<i>For Baked Enamel Standard Colors, Add</i>	262.54	
<i>For Anodized Finish, Add</i>	350.06	
<i>For Kynar® Standard Colors Finish, Add</i>	481.33	
08 91 16 00-0050 EA 30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,217.88	93.28
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	103.13	
<i>For Clear Lacquer Finish, Add</i>	206.26	
<i>For Baked Enamel Standard Colors, Add</i>	309.39	
<i>For Anodized Finish, Add</i>	412.52	
<i>For Kynar® Standard Colors Finish, Add</i>	567.22	
08 91 16 00-0051 EA 30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,375.63	100.46
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	117.47	
<i>For Clear Lacquer Finish, Add</i>	234.94	
<i>For Baked Enamel Standard Colors, Add</i>	352.41	
<i>For Anodized Finish, Add</i>	469.88	
<i>For Kynar® Standard Colors Finish, Add</i>	646.09	
08 91 16 00-0052 EA 30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,540.56	111.22
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	131.81	
<i>For Clear Lacquer Finish, Add</i>	263.62	
<i>For Baked Enamel Standard Colors, Add</i>	395.43	
<i>For Anodized Finish, Add</i>	527.24	
<i>For Kynar® Standard Colors Finish, Add</i>	724.96	
08 91 16 00-0053 EA 30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,735.64	118.40
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	149.88	
<i>For Clear Lacquer Finish, Add</i>	299.77	
<i>For Baked Enamel Standard Colors, Add</i>	449.65	
<i>For Anodized Finish, Add</i>	599.54	
<i>For Kynar® Standard Colors Finish, Add</i>	824.36	
08 91 16 00-0054 EA 30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,904.50	129.16
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	164.62	
<i>For Clear Lacquer Finish, Add</i>	329.23	
<i>For Baked Enamel Standard Colors, Add</i>	493.85	
<i>For Anodized Finish, Add</i>	658.47	
<i>For Kynar® Standard Colors Finish, Add</i>	905.39	
08 91 16 00-0055 EA 30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,042.60	136.34
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	176.99	
<i>For Clear Lacquer Finish, Add</i>	353.98	
<i>For Baked Enamel Standard Colors, Add</i>	530.98	
<i>For Anodized Finish, Add</i>	707.97	
<i>For Kynar® Standard Colors Finish, Add</i>	973.46	
08 91 16 00-0056 EA 30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,197.03	150.69
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	189.57	
<i>For Clear Lacquer Finish, Add</i>	379.13	
<i>For Baked Enamel Standard Colors, Add</i>	568.70	
<i>For Anodized Finish, Add</i>	758.26	
<i>For Kynar® Standard Colors Finish, Add</i>	1,042.61	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0057	EA		30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum .....	2,343.29	161.45
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	202.04	
			For Clear Lacquer Finish, Add	404.08	
			For Baked Enamel Standard Colors, Add	606.12	
			For Anodized Finish, Add	808.16	
			For Kynar® Standard Colors Finish, Add	1,111.21	
08 91 16 00-0058	EA		30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum .....	2,524.62	168.63
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	218.74	
			For Clear Lacquer Finish, Add	437.47	
			For Baked Enamel Standard Colors, Add	656.21	
			For Anodized Finish, Add	874.94	
			For Kynar® Standard Colors Finish, Add	1,203.05	
08 91 16 00-0059	EA		30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum .....	2,682.37	175.80
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	233.08	
			For Clear Lacquer Finish, Add	466.15	
			For Baked Enamel Standard Colors, Add	699.23	
			For Anodized Finish, Add	932.30	
			For Kynar® Standard Colors Finish, Add	1,281.92	
08 91 16 00-0060	EA		30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum .....	2,874.80	186.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	250.17	
			For Clear Lacquer Finish, Add	500.33	
			For Baked Enamel Standard Colors, Add	750.50	
			For Anodized Finish, Add	1,000.66	
			For Kynar® Standard Colors Finish, Add	1,375.91	
08 91 16 00-0061	EA		30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum .....	3,028.93	197.33
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	263.43	
			For Clear Lacquer Finish, Add	526.85	
			For Baked Enamel Standard Colors, Add	790.28	
			For Anodized Finish, Add	1,053.70	
			For Kynar® Standard Colors Finish, Add	1,448.84	
08 91 16 00-0062	EA		36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum .....	722.10	61.00
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	60.01	
			For Clear Lacquer Finish, Add	120.02	
			For Baked Enamel Standard Colors, Add	180.04	
			For Anodized Finish, Add	240.05	
			For Kynar® Standard Colors Finish, Add	330.07	
08 91 16 00-0063	EA		36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum .....	976.03	78.94
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	81.82	
			For Clear Lacquer Finish, Add	163.63	
			For Baked Enamel Standard Colors, Add	245.45	
			For Anodized Finish, Add	327.27	
			For Kynar® Standard Colors Finish, Add	449.99	
08 91 16 00-0064	EA		36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum .....	1,139.98	89.70
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	96.06	
			For Clear Lacquer Finish, Add	192.12	
			For Baked Enamel Standard Colors, Add	288.18	
			For Anodized Finish, Add	384.24	
			For Kynar® Standard Colors Finish, Add	528.32	
08 91 16 00-0065	EA		36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum .....	1,334.38	100.46
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	113.35	
			For Clear Lacquer Finish, Add	226.69	
			For Baked Enamel Standard Colors, Add	340.04	
			For Anodized Finish, Add	453.38	
			For Kynar® Standard Colors Finish, Add	623.40	
08 91 16 00-0066	EA		36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum .....	1,513.66	109.07
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	129.55	
			For Clear Lacquer Finish, Add	259.10	
			For Baked Enamel Standard Colors, Add	388.66	
			For Anodized Finish, Add	518.21	
			For Kynar® Standard Colors Finish, Add	712.54	
08 91 16 00-0067	EA		36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum .....	1,682.60	118.40
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	144.58	
			For Clear Lacquer Finish, Add	289.16	
			For Baked Enamel Standard Colors, Add	433.74	
			For Anodized Finish, Add	578.32	
			For Kynar® Standard Colors Finish, Add	795.19	
08 91 16 00-0068	EA		36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum .....	1,900.26	125.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	164.91	
			For Clear Lacquer Finish, Add	329.82	
			For Baked Enamel Standard Colors, Add	494.73	
			For Anodized Finish, Add	659.64	
			For Kynar® Standard Colors Finish, Add	907.01	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0069	EA			36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,089.75	136.34
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	181.71	
				For Clear Lacquer Finish, Add	363.41	
				For Baked Enamel Standard Colors, Add	545.12	
				For Anodized Finish, Add	726.83	
				For Kynar® Standard Colors Finish, Add	999.39	
08 91 16 00-0070	EA			36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,244.85	147.10
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	195.07	
				For Clear Lacquer Finish, Add	390.13	
				For Baked Enamel Standard Colors, Add	585.20	
				For Anodized Finish, Add	780.26	
				For Kynar® Standard Colors Finish, Add	1,072.86	
08 91 16 00-0071	EA			36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,403.89	157.86
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	208.82	
				For Clear Lacquer Finish, Add	417.63	
				For Baked Enamel Standard Colors, Add	626.45	
				For Anodized Finish, Add	835.26	
				For Kynar® Standard Colors Finish, Add	1,148.49	
08 91 16 00-0072	EA			36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,567.84	168.63
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	223.06	
				For Clear Lacquer Finish, Add	446.12	
				For Baked Enamel Standard Colors, Add	669.17	
				For Anodized Finish, Add	892.23	
				For Kynar® Standard Colors Finish, Add	1,226.82	
08 91 16 00-0073	EA			36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,765.86	175.80
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	241.43	
				For Clear Lacquer Finish, Add	482.85	
				For Baked Enamel Standard Colors, Add	724.28	
				For Anodized Finish, Add	965.70	
				For Kynar® Standard Colors Finish, Add	1,327.84	
08 91 16 00-0074	EA			36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,935.40	182.98
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	256.94	
				For Clear Lacquer Finish, Add	513.89	
				For Baked Enamel Standard Colors, Add	770.83	
				For Anodized Finish, Add	1,027.78	
				For Kynar® Standard Colors Finish, Add	1,413.19	
08 91 16 00-0075	EA			36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,152.38	193.74
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	276.49	
				For Clear Lacquer Finish, Add	552.98	
				For Baked Enamel Standard Colors, Add	829.47	
				For Anodized Finish, Add	1,105.96	
				For Kynar® Standard Colors Finish, Add	1,520.69	
08 91 16 00-0076	EA			36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,315.35	204.51
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	290.63	
				For Clear Lacquer Finish, Add	581.27	
				For Baked Enamel Standard Colors, Add	871.90	
				For Anodized Finish, Add	1,162.53	
				For Kynar® Standard Colors Finish, Add	1,598.48	
08 91 16 00-0077	EA			42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	825.84	68.17
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	68.95	
				For Clear Lacquer Finish, Add	137.90	
				For Baked Enamel Standard Colors, Add	206.85	
				For Anodized Finish, Add	275.80	
				For Kynar® Standard Colors Finish, Add	379.23	
08 91 16 00-0078	EA			42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,053.25	86.11
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	88.10	
				For Clear Lacquer Finish, Add	176.21	
				For Baked Enamel Standard Colors, Add	264.31	
				For Anodized Finish, Add	352.41	
				For Kynar® Standard Colors Finish, Add	484.57	
08 91 16 00-0079	EA			42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,234.87	96.87
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	104.11	
				For Clear Lacquer Finish, Add	208.23	
				For Baked Enamel Standard Colors, Add	312.34	
				For Anodized Finish, Add	416.45	
				For Kynar® Standard Colors Finish, Add	572.62	
08 91 16 00-0080	EA			42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,443.32	111.22
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	122.09	
				For Clear Lacquer Finish, Add	244.17	
				For Baked Enamel Standard Colors, Add	366.26	
				For Anodized Finish, Add	488.35	
				For Kynar® Standard Colors Finish, Add	671.48	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0081	EA		42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,633.49	118.40
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	139.67	
			<i>For Clear Lacquer Finish, Add</i>	279.34	
			<i>For Baked Enamel Standard Colors, Add</i>	419.01	
			<i>For Anodized Finish, Add</i>	558.68	
			<i>For Kynar® Standard Colors Finish, Add</i>	768.18	
08 91 16 00-0082	EA		42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,813.83	125.57
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	156.27	
			<i>For Clear Lacquer Finish, Add</i>	312.54	
			<i>For Baked Enamel Standard Colors, Add</i>	468.80	
			<i>For Anodized Finish, Add</i>	625.07	
			<i>For Kynar® Standard Colors Finish, Add</i>	859.47	
08 91 16 00-0083	EA		42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,050.17	132.75
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	178.47	
			<i>For Clear Lacquer Finish, Add</i>	356.93	
			<i>For Baked Enamel Standard Colors, Add</i>	535.40	
			<i>For Anodized Finish, Add</i>	713.86	
			<i>For Kynar® Standard Colors Finish, Add</i>	981.56	
08 91 16 00-0084	EA		42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,242.58	143.51
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	195.56	
			<i>For Clear Lacquer Finish, Add</i>	391.11	
			<i>For Baked Enamel Standard Colors, Add</i>	586.67	
			<i>For Anodized Finish, Add</i>	782.22	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,075.56	
08 91 16 00-0085	EA		42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,416.35	154.28
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	210.78	
			<i>For Clear Lacquer Finish, Add</i>	421.56	
			<i>For Baked Enamel Standard Colors, Add</i>	632.34	
			<i>For Anodized Finish, Add</i>	843.12	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,159.29	
08 91 16 00-0086	EA		42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,579.32	165.04
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	224.92	
			<i>For Clear Lacquer Finish, Add</i>	449.85	
			<i>For Baked Enamel Standard Colors, Add</i>	674.77	
			<i>For Anodized Finish, Add</i>	899.70	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,237.08	
08 91 16 00-0087	EA		42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,757.02	175.80
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	240.54	
			<i>For Clear Lacquer Finish, Add</i>	481.08	
			<i>For Baked Enamel Standard Colors, Add</i>	721.62	
			<i>For Anodized Finish, Add</i>	962.16	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,322.98	
08 91 16 00-0088	EA		42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,969.77	182.98
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	260.38	
			<i>For Clear Lacquer Finish, Add</i>	520.76	
			<i>For Baked Enamel Standard Colors, Add</i>	781.14	
			<i>For Anodized Finish, Add</i>	1,041.52	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,432.10	
08 91 16 00-0089	EA		42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,155.03	190.16
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	277.47	
			<i>For Clear Lacquer Finish, Add</i>	554.94	
			<i>For Baked Enamel Standard Colors, Add</i>	832.42	
			<i>For Anodized Finish, Add</i>	1,109.89	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,526.10	
08 91 16 00-0090	EA		42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,397.55	200.92
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	299.57	
			<i>For Clear Lacquer Finish, Add</i>	599.14	
			<i>For Baked Enamel Standard Colors, Add</i>	898.71	
			<i>For Anodized Finish, Add</i>	1,198.28	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,647.64	
08 91 16 00-0091	EA		42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,567.39	211.69
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	314.40	
			<i>For Clear Lacquer Finish, Add</i>	628.80	
			<i>For Baked Enamel Standard Colors, Add</i>	943.21	
			<i>For Anodized Finish, Add</i>	1,257.61	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,729.21	
08 91 16 00-0092	EA		48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	894.22	75.35
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	74.35	
			<i>For Clear Lacquer Finish, Add</i>	148.71	
			<i>For Baked Enamel Standard Colors, Add</i>	223.06	
			<i>For Anodized Finish, Add</i>	297.41	
			<i>For Kynar® Standard Colors Finish, Add</i>	408.94	





<b>Openings</b>	<b>08</b>
<b>Louvers and Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0093 EA 48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,135.38	93.28
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	94.88	
For Clear Lacquer Finish, Add	189.76	
For Baked Enamel Standard Colors, Add	284.64	
For Anodized Finish, Add	379.52	
For Kynar® Standard Colors Finish, Add	521.85	
08 91 16 00-0094 EA 48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,342.84	107.63
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	112.76	
For Clear Lacquer Finish, Add	225.51	
For Baked Enamel Standard Colors, Add	338.27	
For Anodized Finish, Add	451.03	
For Kynar® Standard Colors Finish, Add	620.16	
08 91 16 00-0095 EA 48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,554.91	118.40
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	131.81	
For Clear Lacquer Finish, Add	263.62	
For Baked Enamel Standard Colors, Add	395.43	
For Anodized Finish, Add	527.24	
For Kynar® Standard Colors Finish, Add	724.96	
08 91 16 00-0096 EA 48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,764.72	125.57
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	151.36	
For Clear Lacquer Finish, Add	302.71	
For Baked Enamel Standard Colors, Add	454.07	
For Anodized Finish, Add	605.43	
For Kynar® Standard Colors Finish, Add	832.46	
08 91 16 00-0097 EA 48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,967.66	132.75
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	170.22	
For Clear Lacquer Finish, Add	340.43	
For Baked Enamel Standard Colors, Add	510.65	
For Anodized Finish, Add	680.86	
For Kynar® Standard Colors Finish, Add	936.18	
08 91 16 00-0098 EA 48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,220.97	143.51
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	193.40	
For Clear Lacquer Finish, Add	386.79	
For Baked Enamel Standard Colors, Add	580.19	
For Anodized Finish, Add	773.58	
For Kynar® Standard Colors Finish, Add	1,063.67	
08 91 16 00-0099 EA 48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,431.08	154.28
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	212.25	
For Clear Lacquer Finish, Add	424.51	
For Baked Enamel Standard Colors, Add	636.76	
For Anodized Finish, Add	849.01	
For Kynar® Standard Colors Finish, Add	1,167.39	
08 91 16 00-0100 EA 48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,613.70	165.04
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	228.36	
For Clear Lacquer Finish, Add	456.72	
For Baked Enamel Standard Colors, Add	685.09	
For Anodized Finish, Add	913.45	
For Kynar® Standard Colors Finish, Add	1,255.99	
08 91 16 00-0101 EA 48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,799.25	175.80
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	244.76	
For Clear Lacquer Finish, Add	489.53	
For Baked Enamel Standard Colors, Add	734.29	
For Anodized Finish, Add	979.06	
For Kynar® Standard Colors Finish, Add	1,346.20	
08 91 16 00-0102 EA 48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,980.88	186.57
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	260.77	
For Clear Lacquer Finish, Add	521.55	
For Baked Enamel Standard Colors, Add	782.32	
For Anodized Finish, Add	1,043.10	
For Kynar® Standard Colors Finish, Add	1,434.26	
08 91 16 00-0103 EA 48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,221.14	193.74
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	283.37	
For Clear Lacquer Finish, Add	566.73	
For Baked Enamel Standard Colors, Add	850.10	
For Anodized Finish, Add	1,133.46	
For Kynar® Standard Colors Finish, Add	1,558.51	
08 91 16 00-0104 EA 48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,421.12	200.92
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	301.93	
For Clear Lacquer Finish, Add	603.86	
For Baked Enamel Standard Colors, Add	905.78	
For Anodized Finish, Add	1,207.71	
For Kynar® Standard Colors Finish, Add	1,660.60	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	16 00-0105	EA	48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	3,667.27	208.10
			<i>For Flange Frame, Add</i>	325.11	
			<i>For Clear Lacquer Finish, Add</i>	650.22	
			<i>For Baked Enamel Standard Colors, Add</i>	975.32	
			<i>For Anodized Finish, Add</i>	1,300.43	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,788.09	
08 91	16 00-0106	EA	48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	3,853.81	218.86
			<i>For Flange Frame, Add</i>	341.61	
			<i>For Clear Lacquer Finish, Add</i>	683.22	
			<i>For Baked Enamel Standard Colors, Add</i>	1,024.83	
			<i>For Anodized Finish, Add</i>	1,366.44	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,878.85	
08 91	16 00-0107	EA	54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,037.54	86.11
			<i>For Flange Frame, Add</i>	86.53	
			<i>For Clear Lacquer Finish, Add</i>	173.06	
			<i>For Baked Enamel Standard Colors, Add</i>	259.60	
			<i>For Anodized Finish, Add</i>	346.13	
			<i>For Kynar® Standard Colors Finish, Add</i>	475.93	
08 91	16 00-0108	EA	54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,327.81	104.04
			<i>For Flange Frame, Add</i>	111.97	
			<i>For Clear Lacquer Finish, Add</i>	223.94	
			<i>For Baked Enamel Standard Colors, Add</i>	335.91	
			<i>For Anodized Finish, Add</i>	447.88	
			<i>For Kynar® Standard Colors Finish, Add</i>	615.84	
08 91	16 00-0109	EA	54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,556.20	121.98
			<i>For Flange Frame, Add</i>	131.22	
			<i>For Clear Lacquer Finish, Add</i>	262.44	
			<i>For Baked Enamel Standard Colors, Add</i>	393.67	
			<i>For Anodized Finish, Add</i>	524.89	
			<i>For Kynar® Standard Colors Finish, Add</i>	721.72	
08 91	16 00-0110	EA	54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	1,783.69	129.16
			<i>For Flange Frame, Add</i>	152.54	
			<i>For Clear Lacquer Finish, Add</i>	305.07	
			<i>For Baked Enamel Standard Colors, Add</i>	457.61	
			<i>For Anodized Finish, Add</i>	610.14	
			<i>For Kynar® Standard Colors Finish, Add</i>	838.95	
08 91	16 00-0111	EA	54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	2,030.82	136.34
			<i>For Flange Frame, Add</i>	175.81	
			<i>For Clear Lacquer Finish, Add</i>	351.63	
			<i>For Baked Enamel Standard Colors, Add</i>	527.44	
			<i>For Anodized Finish, Add</i>	703.26	
			<i>For Kynar® Standard Colors Finish, Add</i>	966.98	
08 91	16 00-0112	EA	54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	2,252.40	143.51
			<i>For Flange Frame, Add</i>	196.54	
			<i>For Clear Lacquer Finish, Add</i>	393.08	
			<i>For Baked Enamel Standard Colors, Add</i>	589.61	
			<i>For Anodized Finish, Add</i>	786.15	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,080.96	
08 91	16 00-0113	EA	54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	2,546.00	154.28
			<i>For Flange Frame, Add</i>	223.75	
			<i>For Clear Lacquer Finish, Add</i>	447.49	
			<i>For Baked Enamel Standard Colors, Add</i>	671.24	
			<i>For Anodized Finish, Add</i>	894.98	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,230.60	
08 91	16 00-0114	EA	54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	2,831.74	165.04
			<i>For Flange Frame, Add</i>	250.17	
			<i>For Clear Lacquer Finish, Add</i>	500.33	
			<i>For Baked Enamel Standard Colors, Add</i>	750.50	
			<i>For Anodized Finish, Add</i>	1,000.66	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,375.91	
08 91	16 00-0115	EA	54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	3,046.77	175.80
			<i>For Flange Frame, Add</i>	269.52	
			<i>For Clear Lacquer Finish, Add</i>	539.03	
			<i>For Baked Enamel Standard Colors, Add</i>	808.55	
			<i>For Anodized Finish, Add</i>	1,078.06	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,482.34	
08 91	16 00-0116	EA	54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator.	3,258.84	186.57
			<i>For Flange Frame, Add</i>	288.57	
			<i>For Clear Lacquer Finish, Add</i>	577.14	
			<i>For Baked Enamel Standard Colors, Add</i>	865.71	
			<i>For Anodized Finish, Add</i>	1,154.28	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,587.14	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0117	EA			54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,461.78	193.74
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	307.43	
				For Clear Lacquer Finish, Add	614.86	
				For Baked Enamel Standard Colors, Add	922.29	
				For Anodized Finish, Add	1,229.72	
				For Kynar® Standard Colors Finish, Add	1,690.86	
08 91 16 00-0118	EA			54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,729.53	200.92
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	332.77	
				For Clear Lacquer Finish, Add	665.54	
				For Baked Enamel Standard Colors, Add	998.31	
				For Anodized Finish, Add	1,331.08	
				For Kynar® Standard Colors Finish, Add	1,830.23	
08 91 16 00-0119	EA			54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,953.09	208.10
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	353.69	
				For Clear Lacquer Finish, Add	707.38	
				For Baked Enamel Standard Colors, Add	1,061.07	
				For Anodized Finish, Add	1,414.76	
				For Kynar® Standard Colors Finish, Add	1,945.30	
08 91 16 00-0120	EA			54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	4,240.50	215.27
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	381.00	
				For Clear Lacquer Finish, Add	761.99	
				For Baked Enamel Standard Colors, Add	1,142.99	
				For Anodized Finish, Add	1,523.98	
				For Kynar® Standard Colors Finish, Add	2,095.47	
08 91 16 00-0121	EA			54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	4,457.48	226.04
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	400.54	
				For Clear Lacquer Finish, Add	801.08	
				For Baked Enamel Standard Colors, Add	1,201.62	
				For Anodized Finish, Add	1,602.16	
				For Kynar® Standard Colors Finish, Add	2,202.98	
08 91 16 00-0122	EA			60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,101.98	93.28
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	91.54	
				For Clear Lacquer Finish, Add	183.08	
				For Baked Enamel Standard Colors, Add	274.62	
				For Anodized Finish, Add	366.16	
				For Kynar® Standard Colors Finish, Add	503.48	
08 91 16 00-0123	EA			60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,417.11	114.81
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	118.75	
				For Clear Lacquer Finish, Add	237.50	
				For Baked Enamel Standard Colors, Add	356.24	
				For Anodized Finish, Add	474.99	
				For Kynar® Standard Colors Finish, Add	653.11	
08 91 16 00-0124	EA			60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,649.13	129.16
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	139.08	
				For Clear Lacquer Finish, Add	278.16	
				For Baked Enamel Standard Colors, Add	417.24	
				For Anodized Finish, Add	556.32	
				For Kynar® Standard Colors Finish, Add	764.94	
08 91 16 00-0125	EA			60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,899.20	136.34
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	162.65	
				For Clear Lacquer Finish, Add	325.30	
				For Baked Enamel Standard Colors, Add	487.96	
				For Anodized Finish, Add	650.61	
				For Kynar® Standard Colors Finish, Add	894.59	
08 91 16 00-0126	EA			60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	2,162.34	147.10
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	186.81	
				For Clear Lacquer Finish, Add	373.63	
				For Baked Enamel Standard Colors, Add	560.44	
				For Anodized Finish, Add	747.26	
				For Kynar® Standard Colors Finish, Add	1,027.48	
08 91 16 00-0127	EA			60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,396.71	154.28
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	208.82	
				For Clear Lacquer Finish, Add	417.63	
				For Baked Enamel Standard Colors, Add	626.45	
				For Anodized Finish, Add	835.26	
				For Kynar® Standard Colors Finish, Add	1,148.49	
08 91 16 00-0128	EA			60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,710.93	165.04
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	238.09	
				For Clear Lacquer Finish, Add	476.17	
				For Baked Enamel Standard Colors, Add	714.26	
				For Anodized Finish, Add	952.34	
				For Kynar® Standard Colors Finish, Add	1,309.47	

**08 Openings****08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0129	EA		60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	3,004.53	175.80
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	265.29	
			For Clear Lacquer Finish, Add	530.58	
			For Baked Enamel Standard Colors, Add	795.88	
			For Anodized Finish, Add	1,061.17	
			For Kynar® Standard Colors Finish, Add	1,459.11	
08 91 16 00-0130	EA		60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	3,234.29	186.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	286.12	
			For Clear Lacquer Finish, Add	572.23	
			For Baked Enamel Standard Colors, Add	858.35	
			For Anodized Finish, Add	1,144.46	
			For Kynar® Standard Colors Finish, Add	1,573.63	
08 91 16 00-0131	EA		60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	3,460.12	197.33
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	306.55	
			For Clear Lacquer Finish, Add	613.09	
			For Baked Enamel Standard Colors, Add	919.64	
			For Anodized Finish, Add	1,226.18	
			For Kynar® Standard Colors Finish, Add	1,686.00	
08 91 16 00-0132	EA		60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,675.82	204.51
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	326.68	
			For Clear Lacquer Finish, Add	653.36	
			For Baked Enamel Standard Colors, Add	980.04	
			For Anodized Finish, Add	1,306.72	
			For Kynar® Standard Colors Finish, Add	1,796.74	
08 91 16 00-0133	EA		60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,966.17	211.69
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	354.28	
			For Clear Lacquer Finish, Add	708.56	
			For Baked Enamel Standard Colors, Add	1,062.84	
			For Anodized Finish, Add	1,417.12	
			For Kynar® Standard Colors Finish, Add	1,948.54	
08 91 16 00-0134	EA		60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	4,200.53	218.86
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	376.28	
			For Clear Lacquer Finish, Add	752.56	
			For Baked Enamel Standard Colors, Add	1,128.84	
			For Anodized Finish, Add	1,505.12	
			For Kynar® Standard Colors Finish, Add	2,069.55	
08 91 16 00-0135	EA		60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	4,502.66	226.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	405.06	
			For Clear Lacquer Finish, Add	810.12	
			For Baked Enamel Standard Colors, Add	1,215.18	
			For Anodized Finish, Add	1,620.24	
			For Kynar® Standard Colors Finish, Add	2,227.82	
08 91 16 00-0136	EA		60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	4,725.24	233.21
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	425.88	
			For Clear Lacquer Finish, Add	851.76	
			For Baked Enamel Standard Colors, Add	1,277.65	
			For Anodized Finish, Add	1,703.53	
			For Kynar® Standard Colors Finish, Add	2,342.35	

**08 91 16 00-0137 Adjustable Intake Wall Louvers Operators** (08 91 16)

08 91 16 00-0138	EA		5' Chain Actuator For Adjustable Intake Louver.....	283.92	35.88
08 91 16 00-0139	EA		Panel Crank For Adjustable Intake Louver.....	596.41	14.35

**08 91 19 Fixed Louvers** (08 91)**08 91 19 00-0001 Fixed Intake Wall Louvers** (08 91 19)

08 91 19 00-0002	EA		12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	361.20	32.29
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	29.66	
			For Clear Lacquer Finish, Add	59.32	
			For Baked Enamel Standard Colors, Add	88.99	
			For Anodized Finish, Add	118.65	
			For Kynar® Standard Colors Finish, Add	163.14	
08 91 19 00-0003	EA		12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	429.59	39.47
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	35.07	
			For Clear Lacquer Finish, Add	70.13	
			For Baked Enamel Standard Colors, Add	105.20	
			For Anodized Finish, Add	140.26	
			For Kynar® Standard Colors Finish, Add	192.86	



<b>Openings</b>	<b>08</b>
<b>Louvers and Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0004	EA	12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	498.93	46.64
			<i>For Flange Frame, Add</i>	40.57	
			<i>For Clear Lacquer Finish, Add</i>	81.13	
			<i>For Baked Enamel Standard Colors, Add</i>	121.70	
			<i>For Anodized Finish, Add</i>	162.26	
			<i>For Kynar® Standard Colors Finish, Add</i>	223.11	
08 91	19 00-0005	EA	12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	584.98	53.82
			<i>For Flange Frame, Add</i>	47.74	
			<i>For Clear Lacquer Finish, Add</i>	95.47	
			<i>For Baked Enamel Standard Colors, Add</i>	143.21	
			<i>For Anodized Finish, Add</i>	190.94	
			<i>For Kynar® Standard Colors Finish, Add</i>	262.54	
08 91	19 00-0006	EA	12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	658.26	61.00
			<i>For Flange Frame, Add</i>	53.63	
			<i>For Clear Lacquer Finish, Add</i>	107.26	
			<i>For Baked Enamel Standard Colors, Add</i>	160.88	
			<i>For Anodized Finish, Add</i>	214.51	
			<i>For Kynar® Standard Colors Finish, Add</i>	294.95	
08 91	19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	774.77	68.17
			<i>For Flange Frame, Add</i>	63.84	
			<i>For Clear Lacquer Finish, Add</i>	127.69	
			<i>For Baked Enamel Standard Colors, Add</i>	191.53	
			<i>For Anodized Finish, Add</i>	255.37	
			<i>For Kynar® Standard Colors Finish, Add</i>	351.14	
08 91	19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	840.19	75.35
			<i>For Flange Frame, Add</i>	68.95	
			<i>For Clear Lacquer Finish, Add</i>	137.90	
			<i>For Baked Enamel Standard Colors, Add</i>	206.85	
			<i>For Anodized Finish, Add</i>	275.80	
			<i>For Kynar® Standard Colors Finish, Add</i>	379.23	
08 91	19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	940.30	86.11
			<i>For Flange Frame, Add</i>	76.81	
			<i>For Clear Lacquer Finish, Add</i>	153.62	
			<i>For Baked Enamel Standard Colors, Add</i>	230.42	
			<i>For Anodized Finish, Add</i>	307.23	
			<i>For Kynar® Standard Colors Finish, Add</i>	422.44	
08 91	19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,000.81	93.28
			<i>For Flange Frame, Add</i>	81.42	
			<i>For Clear Lacquer Finish, Add</i>	162.85	
			<i>For Baked Enamel Standard Colors, Add</i>	244.27	
			<i>For Anodized Finish, Add</i>	325.70	
			<i>For Kynar® Standard Colors Finish, Add</i>	447.83	
08 91	19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,081.95	100.46
			<i>For Flange Frame, Add</i>	88.10	
			<i>For Clear Lacquer Finish, Add</i>	176.21	
			<i>For Baked Enamel Standard Colors, Add</i>	264.31	
			<i>For Anodized Finish, Add</i>	352.41	
			<i>For Kynar® Standard Colors Finish, Add</i>	484.57	
08 91	19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,153.27	107.63
			<i>For Flange Frame, Add</i>	93.80	
			<i>For Clear Lacquer Finish, Add</i>	187.60	
			<i>For Baked Enamel Standard Colors, Add</i>	281.40	
			<i>For Anodized Finish, Add</i>	375.20	
			<i>For Kynar® Standard Colors Finish, Add</i>	515.90	
08 91	19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,237.37	114.81
			<i>For Flange Frame, Add</i>	100.77	
			<i>For Clear Lacquer Finish, Add</i>	201.55	
			<i>For Baked Enamel Standard Colors, Add</i>	302.32	
			<i>For Anodized Finish, Add</i>	403.10	
			<i>For Kynar® Standard Colors Finish, Add</i>	554.26	
08 91	19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,316.54	121.98
			<i>For Flange Frame, Add</i>	107.26	
			<i>For Clear Lacquer Finish, Add</i>	214.51	
			<i>For Baked Enamel Standard Colors, Add</i>	321.77	
			<i>For Anodized Finish, Add</i>	429.02	
			<i>For Kynar® Standard Colors Finish, Add</i>	589.91	
08 91	19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,389.15	132.75
			<i>For Flange Frame, Add</i>	112.36	
			<i>For Clear Lacquer Finish, Add</i>	224.73	
			<i>For Baked Enamel Standard Colors, Add</i>	337.09	
			<i>For Anodized Finish, Add</i>	449.46	
			<i>For Kynar® Standard Colors Finish, Add</i>	618.00	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,484.32	143.51
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	119.73	
			For Clear Lacquer Finish, Add	239.46	
			For Baked Enamel Standard Colors, Add	359.19	
			For Anodized Finish, Add	478.92	
			For Kynar® Standard Colors Finish, Add	658.52	
08 91	19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	420.75	39.47
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	34.18	
			For Clear Lacquer Finish, Add	68.36	
			For Baked Enamel Standard Colors, Add	102.54	
			For Anodized Finish, Add	136.72	
			For Kynar® Standard Colors Finish, Add	188.00	
08 91	19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	506.11	50.23
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	40.57	
			For Clear Lacquer Finish, Add	81.13	
			For Baked Enamel Standard Colors, Add	121.70	
			For Anodized Finish, Add	162.26	
			For Kynar® Standard Colors Finish, Add	223.11	
08 91	19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	586.27	57.41
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	47.15	
			For Clear Lacquer Finish, Add	94.29	
			For Baked Enamel Standard Colors, Add	141.44	
			For Anodized Finish, Add	188.58	
			For Kynar® Standard Colors Finish, Add	259.30	
08 91	19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	734.79	71.76
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	59.13	
			For Clear Lacquer Finish, Add	118.26	
			For Baked Enamel Standard Colors, Add	177.38	
			For Anodized Finish, Add	236.51	
			For Kynar® Standard Colors Finish, Add	325.20	
08 91	19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	841.47	78.94
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	68.36	
			For Clear Lacquer Finish, Add	136.72	
			For Baked Enamel Standard Colors, Add	205.08	
			For Anodized Finish, Add	273.44	
			For Kynar® Standard Colors Finish, Add	375.99	
08 91	19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	936.37	86.11
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	76.42	
			For Clear Lacquer Finish, Add	152.83	
			For Baked Enamel Standard Colors, Add	229.25	
			For Anodized Finish, Add	305.66	
			For Kynar® Standard Colors Finish, Add	420.28	
08 91	19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,004.74	93.28
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	81.82	
			For Clear Lacquer Finish, Add	163.63	
			For Baked Enamel Standard Colors, Add	245.45	
			For Anodized Finish, Add	327.27	
			For Kynar® Standard Colors Finish, Add	449.99	
08 91	19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,118.60	104.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	91.05	
			For Clear Lacquer Finish, Add	182.10	
			For Baked Enamel Standard Colors, Add	273.15	
			For Anodized Finish, Add	364.20	
			For Kynar® Standard Colors Finish, Add	500.78	
08 91	19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,200.04	114.81
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	97.04	
			For Clear Lacquer Finish, Add	194.08	
			For Baked Enamel Standard Colors, Add	291.12	
			For Anodized Finish, Add	388.16	
			For Kynar® Standard Colors Finish, Add	533.73	
08 91	19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,302.79	121.98
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	105.88	
			For Clear Lacquer Finish, Add	211.76	
			For Baked Enamel Standard Colors, Add	317.64	
			For Anodized Finish, Add	423.52	
			For Kynar® Standard Colors Finish, Add	582.35	
08 91	19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,381.97	129.16
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	112.36	
			For Clear Lacquer Finish, Add	224.73	
			For Baked Enamel Standard Colors, Add	337.09	
			For Anodized Finish, Add	449.46	
			For Kynar® Standard Colors Finish, Add	618.00	



<b>Openings</b>	<b>08</b>
Louvers and Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,469.98	136.34
			<i>For Flange Frame, Add</i>	119.73	
			<i>For Clear Lacquer Finish, Add</i>	239.46	
			<i>For Baked Enamel Standard Colors, Add</i>	359.19	
			<i>For Anodized Finish, Add</i>	478.92	
			<i>For Kynar® Standard Colors Finish, Add</i>	658.52	
08 91	19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,561.92	143.51
			<i>For Flange Frame, Add</i>	127.49	
			<i>For Clear Lacquer Finish, Add</i>	254.98	
			<i>For Baked Enamel Standard Colors, Add</i>	382.47	
			<i>For Anodized Finish, Add</i>	509.96	
			<i>For Kynar® Standard Colors Finish, Add</i>	701.20	
08 91	19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,645.32	154.28
			<i>For Flange Frame, Add</i>	133.68	
			<i>For Clear Lacquer Finish, Add</i>	267.35	
			<i>For Baked Enamel Standard Colors, Add</i>	401.03	
			<i>For Anodized Finish, Add</i>	534.71	
			<i>For Kynar® Standard Colors Finish, Add</i>	735.22	
08 91	19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,759.18	165.04
			<i>For Flange Frame, Add</i>	142.91	
			<i>For Clear Lacquer Finish, Add</i>	285.82	
			<i>For Baked Enamel Standard Colors, Add</i>	428.73	
			<i>For Anodized Finish, Add</i>	571.64	
			<i>For Kynar® Standard Colors Finish, Add</i>	786.01	
08 91	19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	487.14	46.64
			<i>For Flange Frame, Add</i>	39.39	
			<i>For Clear Lacquer Finish, Add</i>	78.77	
			<i>For Baked Enamel Standard Colors, Add</i>	118.16	
			<i>For Anodized Finish, Add</i>	157.54	
			<i>For Kynar® Standard Colors Finish, Add</i>	216.62	
08 91	19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	581.35	57.41
			<i>For Flange Frame, Add</i>	46.65	
			<i>For Clear Lacquer Finish, Add</i>	93.31	
			<i>For Baked Enamel Standard Colors, Add</i>	139.96	
			<i>For Anodized Finish, Add</i>	186.62	
			<i>For Kynar® Standard Colors Finish, Add</i>	256.60	
08 91	19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	718.78	68.17
			<i>For Flange Frame, Add</i>	58.24	
			<i>For Clear Lacquer Finish, Add</i>	116.49	
			<i>For Baked Enamel Standard Colors, Add</i>	174.73	
			<i>For Anodized Finish, Add</i>	232.98	
			<i>For Kynar® Standard Colors Finish, Add</i>	320.34	
08 91	19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	848.65	82.53
			<i>For Flange Frame, Add</i>	68.36	
			<i>For Clear Lacquer Finish, Add</i>	136.72	
			<i>For Baked Enamel Standard Colors, Add</i>	205.08	
			<i>For Anodized Finish, Add</i>	273.44	
			<i>For Kynar® Standard Colors Finish, Add</i>	375.99	
08 91	19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	969.08	89.70
			<i>For Flange Frame, Add</i>	78.97	
			<i>For Clear Lacquer Finish, Add</i>	157.94	
			<i>For Baked Enamel Standard Colors, Add</i>	236.91	
			<i>For Anodized Finish, Add</i>	315.88	
			<i>For Kynar® Standard Colors Finish, Add</i>	434.33	
08 91	19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,080.67	96.87
			<i>For Flange Frame, Add</i>	88.69	
			<i>For Clear Lacquer Finish, Add</i>	177.39	
			<i>For Baked Enamel Standard Colors, Add</i>	266.08	
			<i>For Anodized Finish, Add</i>	354.77	
			<i>For Kynar® Standard Colors Finish, Add</i>	487.81	
08 91	19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,175.86	107.63
			<i>For Flange Frame, Add</i>	96.06	
			<i>For Clear Lacquer Finish, Add</i>	192.12	
			<i>For Baked Enamel Standard Colors, Add</i>	288.18	
			<i>For Anodized Finish, Add</i>	384.24	
			<i>For Kynar® Standard Colors Finish, Add</i>	528.32	
08 91	19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,302.79	121.98
			<i>For Flange Frame, Add</i>	105.88	
			<i>For Clear Lacquer Finish, Add</i>	211.76	
			<i>For Baked Enamel Standard Colors, Add</i>	317.64	
			<i>For Anodized Finish, Add</i>	423.52	
			<i>For Kynar® Standard Colors Finish, Add</i>	582.35	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0040 EA 24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,385.90	129.16
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	112.76	
For Clear Lacquer Finish, Add	225.51	
For Baked Enamel Standard Colors, Add	338.27	
For Anodized Finish, Add	451.03	
For Kynar® Standard Colors Finish, Add	620.16	
08 91 19 00-0041 EA 24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,523.61	143.51
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	123.66	
For Clear Lacquer Finish, Add	247.32	
For Baked Enamel Standard Colors, Add	370.98	
For Anodized Finish, Add	494.64	
For Kynar® Standard Colors Finish, Add	680.12	
08 91 19 00-0042 EA 24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,609.67	150.69
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	130.83	
For Clear Lacquer Finish, Add	261.66	
For Baked Enamel Standard Colors, Add	392.49	
For Anodized Finish, Add	523.32	
For Kynar® Standard Colors Finish, Add	719.56	
08 91 19 00-0043 EA 24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,720.28	157.86
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	140.46	
For Clear Lacquer Finish, Add	280.91	
For Baked Enamel Standard Colors, Add	421.37	
For Anodized Finish, Add	561.82	
For Kynar® Standard Colors Finish, Add	772.50	
08 91 19 00-0044 EA 24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,828.92	165.04
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	149.88	
For Clear Lacquer Finish, Add	299.77	
For Baked Enamel Standard Colors, Add	449.65	
For Anodized Finish, Add	599.54	
For Kynar® Standard Colors Finish, Add	824.36	
08 91 19 00-0045 EA 24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,914.29	175.80
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	156.27	
For Clear Lacquer Finish, Add	312.54	
For Baked Enamel Standard Colors, Add	468.80	
For Anodized Finish, Add	625.07	
For Kynar® Standard Colors Finish, Add	859.47	
08 91 19 00-0046 EA 24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,051.72	186.57
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	167.86	
For Clear Lacquer Finish, Add	335.72	
For Baked Enamel Standard Colors, Add	503.57	
For Anodized Finish, Add	671.43	
For Kynar® Standard Colors Finish, Add	923.22	
08 91 19 00-0047 EA 30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	546.67	53.82
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	43.90	
For Clear Lacquer Finish, Add	87.81	
For Baked Enamel Standard Colors, Add	131.71	
For Anodized Finish, Add	175.62	
For Kynar® Standard Colors Finish, Add	241.47	
08 91 19 00-0048 EA 30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	708.27	71.76
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	56.48	
For Clear Lacquer Finish, Add	112.95	
For Baked Enamel Standard Colors, Add	169.43	
For Anodized Finish, Add	225.90	
For Kynar® Standard Colors Finish, Add	310.62	
08 91 19 00-0049 EA 30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	826.06	82.53
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	66.10	
For Clear Lacquer Finish, Add	132.20	
For Baked Enamel Standard Colors, Add	198.31	
For Anodized Finish, Add	264.41	
For Kynar® Standard Colors Finish, Add	363.56	
08 91 19 00-0050 EA 30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	962.51	93.28
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	77.59	
For Clear Lacquer Finish, Add	155.19	
For Baked Enamel Standard Colors, Add	232.78	
For Anodized Finish, Add	310.38	
For Kynar® Standard Colors Finish, Add	426.77	
08 91 19 00-0051 EA 30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,106.51	100.46
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	90.56	
For Clear Lacquer Finish, Add	181.12	
For Baked Enamel Standard Colors, Add	271.68	
For Anodized Finish, Add	362.24	
For Kynar® Standard Colors Finish, Add	498.07	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0052	EA		30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,230.19	111.22
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	100.77	
				For Clear Lacquer Finish, Add	201.55	
				For Baked Enamel Standard Colors, Add	302.32	
				For Anodized Finish, Add	403.10	
				For Kynar® Standard Colors Finish, Add	554.26	
08 91	19 00-0053	EA		30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,322.13	118.40
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	108.53	
				For Clear Lacquer Finish, Add	217.07	
				For Baked Enamel Standard Colors, Add	325.60	
				For Anodized Finish, Add	434.13	
				For Kynar® Standard Colors Finish, Add	596.93	
08 91	19 00-0054	EA		30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,451.70	129.16
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	119.34	
				For Clear Lacquer Finish, Add	238.67	
				For Baked Enamel Standard Colors, Add	358.01	
				For Anodized Finish, Add	477.35	
				For Kynar® Standard Colors Finish, Add	656.35	
08 91	19 00-0055	EA		30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,554.45	136.34
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	128.18	
				For Clear Lacquer Finish, Add	256.35	
				For Baked Enamel Standard Colors, Add	384.53	
				For Anodized Finish, Add	512.71	
				For Kynar® Standard Colors Finish, Add	704.97	
08 91	19 00-0056	EA		30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,712.80	150.69
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	141.14	
				For Clear Lacquer Finish, Add	282.28	
				For Baked Enamel Standard Colors, Add	423.43	
				For Anodized Finish, Add	564.57	
				For Kynar® Standard Colors Finish, Add	776.28	
08 91	19 00-0057	EA		30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,814.86	161.45
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	149.20	
				For Clear Lacquer Finish, Add	298.39	
				For Baked Enamel Standard Colors, Add	447.59	
				For Anodized Finish, Add	596.78	
				For Kynar® Standard Colors Finish, Add	820.58	
08 91	19 00-0058	EA		30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,932.35	168.63
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	159.51	
				For Clear Lacquer Finish, Add	319.02	
				For Baked Enamel Standard Colors, Add	478.53	
				For Anodized Finish, Add	638.04	
				For Kynar® Standard Colors Finish, Add	877.30	
08 91	19 00-0059	EA		30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,048.85	175.80
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	169.72	
				For Clear Lacquer Finish, Add	339.45	
				For Baked Enamel Standard Colors, Add	509.17	
				For Anodized Finish, Add	678.90	
				For Kynar® Standard Colors Finish, Add	933.48	
08 91	19 00-0060	EA		30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,148.96	186.57
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	177.58	
				For Clear Lacquer Finish, Add	355.16	
				For Baked Enamel Standard Colors, Add	532.75	
				For Anodized Finish, Add	710.33	
				For Kynar® Standard Colors Finish, Add	976.70	
08 91	19 00-0061	EA		30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,304.07	197.33
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	190.94	
				For Clear Lacquer Finish, Add	381.88	
				For Baked Enamel Standard Colors, Add	572.82	
				For Anodized Finish, Add	763.76	
				For Kynar® Standard Colors Finish, Add	1,050.17	
08 91	19 00-0062	EA		36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	607.19	61.00
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	48.52	
				For Clear Lacquer Finish, Add	97.04	
				For Baked Enamel Standard Colors, Add	145.56	
				For Anodized Finish, Add	194.08	
				For Kynar® Standard Colors Finish, Add	266.87	
08 91	19 00-0063	EA		36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	796.29	78.94
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	63.84	
				For Clear Lacquer Finish, Add	127.69	
				For Baked Enamel Standard Colors, Add	191.53	
				For Anodized Finish, Add	255.37	
				For Kynar® Standard Colors Finish, Add	351.14	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	919.97	89.70
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	74.06	
			For Clear Lacquer Finish, Add	148.12	
			For Baked Enamel Standard Colors, Add	222.17	
			For Anodized Finish, Add	296.23	
			For Kynar® Standard Colors Finish, Add	407.32	
08 91	19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,066.24	100.46
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	86.53	
			For Clear Lacquer Finish, Add	173.06	
			For Baked Enamel Standard Colors, Add	259.60	
			For Anodized Finish, Add	346.13	
			For Kynar® Standard Colors Finish, Add	475.93	
08 91	19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,228.82	109.07
			Note: Includes bird screen.		
			For Flange Frame, Add	101.07	
			For Clear Lacquer Finish, Add	202.14	
			For Baked Enamel Standard Colors, Add	303.20	
			For Anodized Finish, Add	404.27	
			For Kynar® Standard Colors Finish, Add	555.87	
08 91	19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,356.51	118.40
			Note: Includes bird screen.		
			For Flange Frame, Add	111.97	
			For Clear Lacquer Finish, Add	223.94	
			For Baked Enamel Standard Colors, Add	335.91	
			For Anodized Finish, Add	447.88	
			For Kynar® Standard Colors Finish, Add	615.84	
08 91	19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,466.13	125.57
			Note: Includes bird screen.		
			For Flange Frame, Add	121.50	
			For Clear Lacquer Finish, Add	243.00	
			For Baked Enamel Standard Colors, Add	364.49	
			For Anodized Finish, Add	485.99	
			For Kynar® Standard Colors Finish, Add	668.24	
08 91	19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,613.38	136.34
			Note: Includes bird screen.		
			For Flange Frame, Add	134.07	
			For Clear Lacquer Finish, Add	268.14	
			For Baked Enamel Standard Colors, Add	402.21	
			For Anodized Finish, Add	536.28	
			For Kynar® Standard Colors Finish, Add	737.39	
08 91	19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,726.25	147.10
			Note: Includes bird screen.		
			For Flange Frame, Add	143.21	
			For Clear Lacquer Finish, Add	286.41	
			For Baked Enamel Standard Colors, Add	429.62	
			For Anodized Finish, Add	572.82	
			For Kynar® Standard Colors Finish, Add	787.63	
08 91	19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,901.98	157.86
			Note: Includes bird screen.		
			For Flange Frame, Add	158.63	
			For Clear Lacquer Finish, Add	317.25	
			For Baked Enamel Standard Colors, Add	475.88	
			For Anodized Finish, Add	634.50	
			For Kynar® Standard Colors Finish, Add	872.44	
08 91	19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,019.77	168.63
			Note: Includes bird screen.		
			For Flange Frame, Add	168.25	
			For Clear Lacquer Finish, Add	336.50	
			For Baked Enamel Standard Colors, Add	504.75	
			For Anodized Finish, Add	673.00	
			For Kynar® Standard Colors Finish, Add	925.38	
08 91	19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,145.11	175.80
			Note: Includes bird screen.		
			For Flange Frame, Add	179.35	
			For Clear Lacquer Finish, Add	358.70	
			For Baked Enamel Standard Colors, Add	538.05	
			For Anodized Finish, Add	717.40	
			For Kynar® Standard Colors Finish, Add	986.43	
08 91	19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,275.36	182.98
			Note: Includes bird screen.		
			For Flange Frame, Add	190.94	
			For Clear Lacquer Finish, Add	381.88	
			For Baked Enamel Standard Colors, Add	572.82	
			For Anodized Finish, Add	763.76	
			For Kynar® Standard Colors Finish, Add	1,050.17	
08 91	19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,389.21	193.74
			Note: Includes bird screen.		
			For Flange Frame, Add	200.17	
			For Clear Lacquer Finish, Add	400.34	
			For Baked Enamel Standard Colors, Add	600.52	
			For Anodized Finish, Add	800.69	
			For Kynar® Standard Colors Finish, Add	1,100.95	



<b>Openings</b>	<b>08</b>
<b>Louvers and Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,563.97	204.51
			Note: Includes bird screen.		
			For Flange Frame, Add	215.50	
			For Clear Lacquer Finish, Add	430.99	
			For Baked Enamel Standard Colors, Add	646.49	
			For Anodized Finish, Add	861.98	
			For Kynar® Standard Colors Finish, Add	1,185.22	
08 91	19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	705.03	68.17
			Note: Includes bird screen.		
			For Flange Frame, Add	56.87	
			For Clear Lacquer Finish, Add	113.74	
			For Baked Enamel Standard Colors, Add	170.61	
			For Anodized Finish, Add	227.48	
			For Kynar® Standard Colors Finish, Add	312.78	
08 91	19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	865.65	86.11
			Note: Includes bird screen.		
			For Flange Frame, Add	69.34	
			For Clear Lacquer Finish, Add	138.69	
			For Baked Enamel Standard Colors, Add	208.03	
			For Anodized Finish, Add	277.37	
			For Kynar® Standard Colors Finish, Add	381.39	
08 91	19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,002.09	96.87
			Note: Includes bird screen.		
			For Flange Frame, Add	80.84	
			For Clear Lacquer Finish, Add	161.67	
			For Baked Enamel Standard Colors, Add	242.51	
			For Anodized Finish, Add	323.34	
			For Kynar® Standard Colors Finish, Add	444.59	
08 91	19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,171.26	111.22
			Note: Includes bird screen.		
			For Flange Frame, Add	94.88	
			For Clear Lacquer Finish, Add	189.76	
			For Baked Enamel Standard Colors, Add	284.64	
			For Anodized Finish, Add	379.52	
			For Kynar® Standard Colors Finish, Add	521.85	
08 91	19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,346.69	118.40
			Note: Includes bird screen.		
			For Flange Frame, Add	110.99	
			For Clear Lacquer Finish, Add	221.98	
			For Baked Enamel Standard Colors, Add	332.97	
			For Anodized Finish, Add	443.96	
			For Kynar® Standard Colors Finish, Add	610.44	
08 91	19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,487.74	125.57
			Note: Includes bird screen.		
			For Flange Frame, Add	123.66	
			For Clear Lacquer Finish, Add	247.32	
			For Baked Enamel Standard Colors, Add	370.98	
			For Anodized Finish, Add	494.64	
			For Kynar® Standard Colors Finish, Add	680.12	
08 91	19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,610.14	132.75
			Note: Includes bird screen.		
			For Flange Frame, Add	134.46	
			For Clear Lacquer Finish, Add	268.93	
			For Baked Enamel Standard Colors, Add	403.39	
			For Anodized Finish, Add	537.85	
			For Kynar® Standard Colors Finish, Add	739.55	
08 91	19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,757.37	143.51
			Note: Includes bird screen.		
			For Flange Frame, Add	147.04	
			For Clear Lacquer Finish, Add	294.07	
			For Baked Enamel Standard Colors, Add	441.11	
			For Anodized Finish, Add	588.14	
			For Kynar® Standard Colors Finish, Add	808.69	
08 91	19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,884.00	154.28
			Note: Includes bird screen.		
			For Flange Frame, Add	157.55	
			For Clear Lacquer Finish, Add	315.09	
			For Baked Enamel Standard Colors, Add	472.64	
			For Anodized Finish, Add	630.18	
			For Kynar® Standard Colors Finish, Add	866.50	
08 91	19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,078.40	165.04
			Note: Includes bird screen.		
			For Flange Frame, Add	174.83	
			For Clear Lacquer Finish, Add	349.66	
			For Baked Enamel Standard Colors, Add	524.50	
			For Anodized Finish, Add	699.33	
			For Kynar® Standard Colors Finish, Add	961.58	
08 91	19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,205.02	175.80
			Note: Includes bird screen.		
			For Flange Frame, Add	185.34	
			For Clear Lacquer Finish, Add	370.68	
			For Baked Enamel Standard Colors, Add	556.02	
			For Anodized Finish, Add	741.36	
			For Kynar® Standard Colors Finish, Add	1,019.38	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0088	EA		42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,346.08	182.98
			Note: Includes bird screen.		
			For Flange Frame, Add	198.01	
			For Clear Lacquer Finish, Add	396.02	
			For Baked Enamel Standard Colors, Add	594.04	
			For Anodized Finish, Add	792.05	
			For Kynar® Standard Colors Finish, Add	1,089.07	
08 91 19 00-0089	EA		42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,488.11	190.16
			Note: Includes bird screen.		
			For Flange Frame, Add	210.78	
			For Clear Lacquer Finish, Add	421.56	
			For Baked Enamel Standard Colors, Add	632.34	
			For Anodized Finish, Add	843.12	
			For Kynar® Standard Colors Finish, Add	1,159.29	
08 91 19 00-0090	EA		42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,621.61	200.92
			Note: Includes bird screen.		
			For Flange Frame, Add	221.98	
			For Clear Lacquer Finish, Add	443.95	
			For Baked Enamel Standard Colors, Add	665.93	
			For Anodized Finish, Add	887.91	
			For Kynar® Standard Colors Finish, Add	1,220.87	
08 91 19 00-0091	EA		42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,809.13	211.69
			Note: Includes bird screen.		
			For Flange Frame, Add	238.58	
			For Clear Lacquer Finish, Add	477.15	
			For Baked Enamel Standard Colors, Add	715.73	
			For Anodized Finish, Add	954.30	
			For Kynar® Standard Colors Finish, Add	1,312.17	
08 91 19 00-0092	EA		48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	771.44	75.35
			Note: Includes bird screen.		
			For Flange Frame, Add	62.08	
			For Clear Lacquer Finish, Add	124.15	
			For Baked Enamel Standard Colors, Add	186.23	
			For Anodized Finish, Add	248.30	
			For Kynar® Standard Colors Finish, Add	341.41	
08 91 19 00-0093	EA		48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	945.81	93.28
			Note: Includes bird screen.		
			For Flange Frame, Add	75.92	
			For Clear Lacquer Finish, Add	151.85	
			For Baked Enamel Standard Colors, Add	227.77	
			For Anodized Finish, Add	303.70	
			For Kynar® Standard Colors Finish, Add	417.58	
08 91 19 00-0094	EA		48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,107.11	107.63
			Note: Includes bird screen.		
			For Flange Frame, Add	89.18	
			For Clear Lacquer Finish, Add	178.37	
			For Baked Enamel Standard Colors, Add	267.55	
			For Anodized Finish, Add	356.74	
			For Kynar® Standard Colors Finish, Add	490.51	
08 91 19 00-0095	EA		48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,272.04	118.40
			Note: Includes bird screen.		
			For Flange Frame, Add	103.52	
			For Clear Lacquer Finish, Add	207.05	
			For Baked Enamel Standard Colors, Add	310.57	
			For Anodized Finish, Add	414.10	
			For Kynar® Standard Colors Finish, Add	569.38	
08 91 19 00-0096	EA		48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,472.02	125.57
			Note: Includes bird screen.		
			For Flange Frame, Add	122.09	
			For Clear Lacquer Finish, Add	244.17	
			For Baked Enamel Standard Colors, Add	366.26	
			For Anodized Finish, Add	488.35	
			For Kynar® Standard Colors Finish, Add	671.48	
08 91 19 00-0097	EA		48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,634.70	132.75
			Note: Includes bird screen.		
			For Flange Frame, Add	136.92	
			For Clear Lacquer Finish, Add	273.84	
			For Baked Enamel Standard Colors, Add	410.76	
			For Anodized Finish, Add	547.68	
			For Kynar® Standard Colors Finish, Add	753.05	
08 91 19 00-0098	EA		48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,771.12	143.51
			Note: Includes bird screen.		
			For Flange Frame, Add	148.41	
			For Clear Lacquer Finish, Add	296.82	
			For Baked Enamel Standard Colors, Add	445.23	
			For Anodized Finish, Add	593.64	
			For Kynar® Standard Colors Finish, Add	816.26	
08 91 19 00-0099	EA		48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,983.20	154.28
			Note: Includes bird screen.		
			For Flange Frame, Add	167.47	
			For Clear Lacquer Finish, Add	334.93	
			For Baked Enamel Standard Colors, Add	502.40	
			For Anodized Finish, Add	669.86	
			For Kynar® Standard Colors Finish, Add	921.06	



<b>Openings</b>	<b>08</b>
<b>Louvers and Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0100	EA	48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,078.40  174.83 349.66 524.50 699.33 961.58	165.04
08 91	19 00-0101	EA	48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,285.56  193.40 386.79 580.19 773.58 1,063.67	175.80
08 91	19 00-0102	EA	48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,430.85  205.77 411.54 617.31 823.08 1,131.74	186.57
08 91	19 00-0103	EA	48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,587.62  220.01 440.03 660.04 880.05 1,210.07	193.74
08 91	19 00-0104	EA	48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,744.39  234.26 468.51 702.77 937.02 1,288.40	200.92
08 91	19 00-0105	EA	48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,875.62  245.94 491.89 737.83 983.77 1,352.69	208.10
08 91	19 00-0106	EA	48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,090.64  265.29 530.58 795.88 1,061.17 1,459.11	218.86
08 91	19 00-0107	EA	54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	855.83  68.36 136.72 205.08 273.44 375.99	86.11
08 91	19 00-0108	EA	54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,049.85  84.18 168.35 252.53 336.70 462.96	104.04
08 91	19 00-0109	EA	54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,229.13  98.52 197.03 295.55 394.06 541.83	121.98
08 91	19 00-0110	EA	54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,403.58  114.53 229.05 343.58 458.10 629.89	129.16
08 91	19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,641.87  136.92 273.84 410.76 547.68 753.05	136.34

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,808.45	143.51
			Note: Includes bird screen.		
			For Flange Frame, Add	152.14	
			For Clear Lacquer Finish, Add	304.29	
			For Baked Enamel Standard Colors, Add	456.43	
			For Anodized Finish, Add	608.57	
			For Kynar® Standard Colors Finish, Add	836.79	
08 91	19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,967.49	154.28
			Note: Includes bird screen.		
			For Flange Frame, Add	165.89	
			For Clear Lacquer Finish, Add	331.79	
			For Baked Enamel Standard Colors, Add	497.68	
			For Anodized Finish, Add	663.58	
			For Kynar® Standard Colors Finish, Add	912.42	
08 91	19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,198.22	165.04
			Note: Includes bird screen.		
			For Flange Frame, Add	186.81	
			For Clear Lacquer Finish, Add	373.63	
			For Baked Enamel Standard Colors, Add	560.44	
			For Anodized Finish, Add	747.26	
			For Kynar® Standard Colors Finish, Add	1,027.48	
08 91	19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,362.17	175.80
			Note: Includes bird screen.		
			For Flange Frame, Add	201.06	
			For Clear Lacquer Finish, Add	402.11	
			For Baked Enamel Standard Colors, Add	603.17	
			For Anodized Finish, Add	804.22	
			For Kynar® Standard Colors Finish, Add	1,105.81	
08 91	19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,603.72	186.57
			Note: Includes bird screen.		
			For Flange Frame, Add	223.06	
			For Clear Lacquer Finish, Add	446.12	
			For Baked Enamel Standard Colors, Add	669.17	
			For Anodized Finish, Add	892.23	
			For Kynar® Standard Colors Finish, Add	1,226.82	
08 91	19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,759.50	193.74
			Note: Includes bird screen.		
			For Flange Frame, Add	237.20	
			For Clear Lacquer Finish, Add	474.40	
			For Baked Enamel Standard Colors, Add	711.60	
			For Anodized Finish, Add	948.80	
			For Kynar® Standard Colors Finish, Add	1,304.61	
08 91	19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,936.90	200.92
			Note: Includes bird screen.		
			For Flange Frame, Add	253.51	
			For Clear Lacquer Finish, Add	507.01	
			For Baked Enamel Standard Colors, Add	760.52	
			For Anodized Finish, Add	1,014.02	
			For Kynar® Standard Colors Finish, Add	1,394.28	
08 91	19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,107.42	208.10
			Note: Includes bird screen.		
			For Flange Frame, Add	269.12	
			For Clear Lacquer Finish, Add	538.25	
			For Baked Enamel Standard Colors, Add	807.37	
			For Anodized Finish, Add	1,076.49	
			For Kynar® Standard Colors Finish, Add	1,480.18	
08 91	19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,249.46	215.27
			Note: Includes bird screen.		
			For Flange Frame, Add	281.89	
			For Clear Lacquer Finish, Add	563.78	
			For Baked Enamel Standard Colors, Add	845.67	
			For Anodized Finish, Add	1,127.56	
			For Kynar® Standard Colors Finish, Add	1,550.40	
08 91	19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,498.85	226.04
			Note: Includes bird screen.		
			For Flange Frame, Add	304.68	
			For Clear Lacquer Finish, Add	609.36	
			For Baked Enamel Standard Colors, Add	914.03	
			For Anodized Finish, Add	1,218.71	
			For Kynar® Standard Colors Finish, Add	1,675.73	
08 91	19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	920.27	93.28
			Note: Includes bird screen.		
			For Flange Frame, Add	73.37	
			For Clear Lacquer Finish, Add	146.74	
			For Baked Enamel Standard Colors, Add	220.11	
			For Anodized Finish, Add	293.48	
			For Kynar® Standard Colors Finish, Add	403.54	
08 91	19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,135.22	114.81
			Note: Includes bird screen.		
			For Flange Frame, Add	90.56	
			For Clear Lacquer Finish, Add	181.12	
			For Baked Enamel Standard Colors, Add	271.68	
			For Anodized Finish, Add	362.24	
			For Kynar® Standard Colors Finish, Add	498.07	



<b>Openings</b>	<b>08</b>
<b>Louvers and Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,317.14  105.88 211.76 317.64 423.52 582.35	129.16
08 91	19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,518.11  124.54 249.09 373.63 498.17 684.99	136.34
08 91	19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,768.48  147.43 294.86 442.28 589.71 810.85	147.10
08 91	19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,954.72  164.62 329.23 493.85 658.47 905.39	154.28
08 91	19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,120.63  179.06 358.11 537.17 716.22 984.80	165.04
08 91	19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,367.08  201.55 403.09 604.64 806.19 1,108.51	175.80
08 91	19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,542.82  216.97 433.94 650.90 867.87 1,193.32	186.57
08 91	19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,804.01  240.93 481.87 722.80 963.74 1,325.14	197.33
08 91	19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,969.62  256.06 512.12 768.18 1,024.24 1,408.33	204.51
08 91	19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,157.81  273.44 546.89 820.33 1,093.78 1,503.94	211.69
08 91	19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,342.09  290.44 580.87 871.31 1,161.75 1,597.40	218.86
08 91	19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,498.85  304.68 609.36 914.03 1,218.71 1,675.73	226.04

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,757.77	233.21
			Note: Includes bird screen.		
			For Flange Frame, Add	329.14	
			For Clear Lacquer Finish, Add	658.27	
			For Baked Enamel Standard Colors, Add	987.41	
			For Anodized Finish, Add	1,316.54	
			For Kynar® Standard Colors Finish, Add	1,810.24	
08 91	19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,057.40	100.46
			Note: Includes bird screen.		
			For Flange Frame, Add	85.65	
			For Clear Lacquer Finish, Add	171.30	
			For Baked Enamel Standard Colors, Add	256.94	
			For Anodized Finish, Add	342.59	
			For Kynar® Standard Colors Finish, Add	471.06	
08 91	19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,306.72	121.98
			Note: Includes bird screen.		
			For Flange Frame, Add	106.27	
			For Clear Lacquer Finish, Add	212.55	
			For Baked Enamel Standard Colors, Add	318.82	
			For Anodized Finish, Add	425.10	
			For Kynar® Standard Colors Finish, Add	584.51	
08 91	19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,523.61	143.51
			Note: Includes bird screen.		
			For Flange Frame, Add	123.66	
			For Clear Lacquer Finish, Add	247.32	
			For Baked Enamel Standard Colors, Add	370.98	
			For Anodized Finish, Add	494.64	
			For Kynar® Standard Colors Finish, Add	680.12	
08 91	19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,742.27	150.69
			Note: Includes bird screen.		
			For Flange Frame, Add	144.09	
			For Clear Lacquer Finish, Add	288.18	
			For Baked Enamel Standard Colors, Add	432.27	
			For Anodized Finish, Add	576.36	
			For Kynar® Standard Colors Finish, Add	792.49	
08 91	19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,031.63	157.86
			Note: Includes bird screen.		
			For Flange Frame, Add	171.59	
			For Clear Lacquer Finish, Add	343.18	
			For Baked Enamel Standard Colors, Add	514.77	
			For Anodized Finish, Add	686.36	
			For Kynar® Standard Colors Finish, Add	943.75	
08 91	19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,234.57	165.04
			Note: Includes bird screen.		
			For Flange Frame, Add	190.45	
			For Clear Lacquer Finish, Add	380.90	
			For Baked Enamel Standard Colors, Add	571.35	
			For Anodized Finish, Add	761.80	
			For Kynar® Standard Colors Finish, Add	1,047.47	
08 91	19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,431.91	175.80
			Note: Includes bird screen.		
			For Flange Frame, Add	208.03	
			For Clear Lacquer Finish, Add	416.06	
			For Baked Enamel Standard Colors, Add	624.09	
			For Anodized Finish, Add	832.12	
			For Kynar® Standard Colors Finish, Add	1,144.17	
08 91	19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,662.65	186.57
			Note: Includes bird screen.		
			For Flange Frame, Add	228.95	
			For Clear Lacquer Finish, Add	457.90	
			For Baked Enamel Standard Colors, Add	686.85	
			For Anodized Finish, Add	915.80	
			For Kynar® Standard Colors Finish, Add	1,259.23	
08 91	19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,859.01	197.33
			Note: Includes bird screen.		
			For Flange Frame, Add	246.43	
			For Clear Lacquer Finish, Add	492.87	
			For Baked Enamel Standard Colors, Add	739.30	
			For Anodized Finish, Add	985.74	
			For Kynar® Standard Colors Finish, Add	1,355.39	
08 91	19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,159.78	211.69
			Note: Includes bird screen.		
			For Flange Frame, Add	273.64	
			For Clear Lacquer Finish, Add	547.28	
			For Baked Enamel Standard Colors, Add	820.92	
			For Anodized Finish, Add	1,094.56	
			For Kynar® Standard Colors Finish, Add	1,505.03	
08 91	19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,349.27	222.45
			Note: Includes bird screen.		
			For Flange Frame, Add	290.44	
			For Clear Lacquer Finish, Add	580.87	
			For Baked Enamel Standard Colors, Add	871.31	
			For Anodized Finish, Add	1,161.75	
			For Kynar® Standard Colors Finish, Add	1,597.40	





<b>Openings</b>	<b>08</b>
<b>Louvers and Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0148 EA 66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,548.26	229.63
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	308.90	
<i>For Clear Lacquer Finish, Add</i>	617.80	
<i>For Baked Enamel Standard Colors, Add</i>	926.71	
<i>For Anodized Finish, Add</i>	1,235.61	
<i>For Kynar® Standard Colors Finish, Add</i>	1,698.96	
08 91 19 00-0149 EA 66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,751.19	236.80
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	327.76	
<i>For Clear Lacquer Finish, Add</i>	655.52	
<i>For Baked Enamel Standard Colors, Add</i>	983.28	
<i>For Anodized Finish, Add</i>	1,311.04	
<i>For Kynar® Standard Colors Finish, Add</i>	1,802.68	
08 91 19 00-0150 EA 66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,927.60	243.98
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	343.97	
<i>For Clear Lacquer Finish, Add</i>	687.93	
<i>For Baked Enamel Standard Colors, Add</i>	1,031.90	
<i>For Anodized Finish, Add</i>	1,375.86	
<i>For Kynar® Standard Colors Finish, Add</i>	1,891.81	
08 91 19 00-0151 EA 66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	4,216.00	251.15
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	371.37	
<i>For Clear Lacquer Finish, Add</i>	742.74	
<i>For Baked Enamel Standard Colors, Add</i>	1,114.11	
<i>For Anodized Finish, Add</i>	1,485.48	
<i>For Kynar® Standard Colors Finish, Add</i>	2,042.54	
08 91 19 00-0152 EA 72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,116.93	107.63
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	90.17	
<i>For Clear Lacquer Finish, Add</i>	180.33	
<i>For Baked Enamel Standard Colors, Add</i>	270.50	
<i>For Anodized Finish, Add</i>	360.66	
<i>For Kynar® Standard Colors Finish, Add</i>	495.91	
08 91 19 00-0153 EA 72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,378.04	129.16
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	111.97	
<i>For Clear Lacquer Finish, Add</i>	223.94	
<i>For Baked Enamel Standard Colors, Add</i>	335.91	
<i>For Anodized Finish, Add</i>	447.88	
<i>For Kynar® Standard Colors Finish, Add</i>	615.84	
08 91 19 00-0154 EA 72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,605.74	150.69
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	130.44	
<i>For Clear Lacquer Finish, Add</i>	260.87	
<i>For Baked Enamel Standard Colors, Add</i>	391.31	
<i>For Anodized Finish, Add</i>	521.74	
<i>For Kynar® Standard Colors Finish, Add</i>	717.40	
08 91 19 00-0155 EA 72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,844.33	161.45
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	152.14	
<i>For Clear Lacquer Finish, Add</i>	304.29	
<i>For Baked Enamel Standard Colors, Add</i>	456.43	
<i>For Anodized Finish, Add</i>	608.57	
<i>For Kynar® Standard Colors Finish, Add</i>	836.79	
08 91 19 00-0156 EA 72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,154.33	168.63
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	181.71	
<i>For Clear Lacquer Finish, Add</i>	363.41	
<i>For Baked Enamel Standard Colors, Add</i>	545.12	
<i>For Anodized Finish, Add</i>	726.83	
<i>For Kynar® Standard Colors Finish, Add</i>	999.39	
08 91 19 00-0157 EA 72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,368.07	175.80
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	201.65	
<i>For Clear Lacquer Finish, Add</i>	403.29	
<i>For Baked Enamel Standard Colors, Add</i>	604.94	
<i>For Anodized Finish, Add</i>	806.58	
<i>For Kynar® Standard Colors Finish, Add</i>	1,109.05	
08 91 19 00-0158 EA 72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,578.18	186.57
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	220.50	
<i>For Clear Lacquer Finish, Add</i>	441.01	
<i>For Baked Enamel Standard Colors, Add</i>	661.51	
<i>For Anodized Finish, Add</i>	882.02	
<i>For Kynar® Standard Colors Finish, Add</i>	1,212.77	
08 91 19 00-0159 EA 72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,814.51	193.74
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	242.70	
<i>For Clear Lacquer Finish, Add</i>	485.40	
<i>For Baked Enamel Standard Colors, Add</i>	728.11	
<i>For Anodized Finish, Add</i>	970.81	
<i>For Kynar® Standard Colors Finish, Add</i>	1,334.86	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,019.71	204.51
			Note: Includes bird screen.		
			For Flange Frame, Add	261.07	
			For Clear Lacquer Finish, Add	522.14	
			For Baked Enamel Standard Colors, Add	783.21	
			For Anodized Finish, Add	1,044.28	
			For Kynar® Standard Colors Finish, Add	1,435.88	
08 91	19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,349.27	222.45
			Note: Includes bird screen.		
			For Flange Frame, Add	290.44	
			For Clear Lacquer Finish, Add	580.87	
			For Baked Enamel Standard Colors, Add	871.31	
			For Anodized Finish, Add	1,161.75	
			For Kynar® Standard Colors Finish, Add	1,597.40	
08 91	19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,557.40	233.21
			Note: Includes bird screen.		
			For Flange Frame, Add	309.10	
			For Clear Lacquer Finish, Add	618.20	
			For Baked Enamel Standard Colors, Add	927.29	
			For Anodized Finish, Add	1,236.39	
			For Kynar® Standard Colors Finish, Add	1,700.04	
08 91	19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,762.30	240.39
			Note: Includes bird screen.		
			For Flange Frame, Add	328.15	
			For Clear Lacquer Finish, Add	656.31	
			For Baked Enamel Standard Colors, Add	984.46	
			For Anodized Finish, Add	1,312.61	
			For Kynar® Standard Colors Finish, Add	1,804.84	
08 91	19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,970.14	247.57
			Note: Includes bird screen.		
			For Flange Frame, Add	347.50	
			For Clear Lacquer Finish, Add	695.00	
			For Baked Enamel Standard Colors, Add	1,042.51	
			For Anodized Finish, Add	1,390.01	
			For Kynar® Standard Colors Finish, Add	1,911.26	
08 91	19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	4,165.22	254.74
			Note: Includes bird screen.		
			For Flange Frame, Add	365.58	
			For Clear Lacquer Finish, Add	731.15	
			For Baked Enamel Standard Colors, Add	1,096.73	
			For Anodized Finish, Add	1,462.30	
			For Kynar® Standard Colors Finish, Add	2,010.66	
08 91	19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	4,472.27	261.92
			Note: Includes bird screen.		
			For Flange Frame, Add	394.84	
			For Clear Lacquer Finish, Add	789.69	
			For Baked Enamel Standard Colors, Add	1,184.53	
			For Anodized Finish, Add	1,579.38	
			For Kynar® Standard Colors Finish, Add	2,171.64	
08 91	19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,188.26	114.81
			Note: Includes bird screen.		
			For Flange Frame, Add	95.86	
			For Clear Lacquer Finish, Add	191.73	
			For Baked Enamel Standard Colors, Add	287.59	
			For Anodized Finish, Add	383.45	
			For Kynar® Standard Colors Finish, Add	527.25	
08 91	19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,456.23	136.34
			Note: Includes bird screen.		
			For Flange Frame, Add	118.36	
			For Clear Lacquer Finish, Add	236.71	
			For Baked Enamel Standard Colors, Add	355.07	
			For Anodized Finish, Add	473.42	
			For Kynar® Standard Colors Finish, Add	650.95	
08 91	19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,688.85	157.86
			Note: Includes bird screen.		
			For Flange Frame, Add	137.31	
			For Clear Lacquer Finish, Add	274.62	
			For Baked Enamel Standard Colors, Add	411.94	
			For Anodized Finish, Add	549.25	
			For Kynar® Standard Colors Finish, Add	755.22	
08 91	19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,943.16	168.63
			Note: Includes bird screen.		
			For Flange Frame, Add	160.59	
			For Clear Lacquer Finish, Add	321.18	
			For Baked Enamel Standard Colors, Add	481.77	
			For Anodized Finish, Add	642.36	
			For Kynar® Standard Colors Finish, Add	883.25	
08 91	19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,270.83	175.80
			Note: Includes bird screen.		
			For Flange Frame, Add	191.92	
			For Clear Lacquer Finish, Add	383.84	
			For Baked Enamel Standard Colors, Add	575.77	
			For Anodized Finish, Add	767.69	
			For Kynar® Standard Colors Finish, Add	1,055.57	



<b>Openings</b>	<b>08</b>
<b>Louvers and Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0172 EA 78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,493.41	182.98
Note: Includes bird screen.		
For Flange Frame, Add	212.75	
For Clear Lacquer Finish, Add	425.49	
For Baked Enamel Standard Colors, Add	638.24	
For Anodized Finish, Add	850.98	
For Kynar® Standard Colors Finish, Add	1,170.10	
08 91 19 00-0173 EA 78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,718.25	193.74
Note: Includes bird screen.		
For Flange Frame, Add	233.08	
For Clear Lacquer Finish, Add	466.15	
For Baked Enamel Standard Colors, Add	699.23	
For Anodized Finish, Add	932.30	
For Kynar® Standard Colors Finish, Add	1,281.92	
08 91 19 00-0174 EA 78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,968.33	200.92
Note: Includes bird screen.		
For Flange Frame, Add	256.65	
For Clear Lacquer Finish, Add	513.30	
For Baked Enamel Standard Colors, Add	769.95	
For Anodized Finish, Add	1,026.60	
For Kynar® Standard Colors Finish, Add	1,411.57	
08 91 19 00-0175 EA 78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,188.26	211.69
Note: Includes bird screen.		
For Flange Frame, Add	276.49	
For Clear Lacquer Finish, Add	552.98	
For Baked Enamel Standard Colors, Add	829.47	
For Anodized Finish, Add	1,105.96	
For Kynar® Standard Colors Finish, Add	1,520.69	
08 91 19 00-0176 EA 78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,538.44	229.63
Note: Includes bird screen.		
For Flange Frame, Add	307.92	
For Clear Lacquer Finish, Add	615.84	
For Baked Enamel Standard Colors, Add	923.76	
For Anodized Finish, Add	1,231.68	
For Kynar® Standard Colors Finish, Add	1,693.56	
08 91 19 00-0177 EA 78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,756.41	240.39
Note: Includes bird screen.		
For Flange Frame, Add	327.56	
For Clear Lacquer Finish, Add	655.13	
For Baked Enamel Standard Colors, Add	982.69	
For Anodized Finish, Add	1,310.26	
For Kynar® Standard Colors Finish, Add	1,801.60	
08 91 19 00-0178 EA 78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,984.20	251.15
Note: Includes bird screen.		
For Flange Frame, Add	348.19	
For Clear Lacquer Finish, Add	696.38	
For Baked Enamel Standard Colors, Add	1,044.57	
For Anodized Finish, Add	1,392.76	
For Kynar® Standard Colors Finish, Add	1,915.05	
08 91 19 00-0179 EA 78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	4,192.04	258.33
Note: Includes bird screen.		
For Flange Frame, Add	367.54	
For Clear Lacquer Finish, Add	735.08	
For Baked Enamel Standard Colors, Add	1,102.62	
For Anodized Finish, Add	1,470.16	
For Kynar® Standard Colors Finish, Add	2,021.46	
08 91 19 00-0180 EA 78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	4,399.89	265.51
Note: Includes bird screen.		
For Flange Frame, Add	386.89	
For Clear Lacquer Finish, Add	773.78	
For Baked Enamel Standard Colors, Add	1,160.67	
For Anodized Finish, Add	1,547.56	
For Kynar® Standard Colors Finish, Add	2,127.89	
08 91 19 00-0181 EA 78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	4,726.58	272.68
Note: Includes bird screen.		
For Flange Frame, Add	418.12	
For Clear Lacquer Finish, Add	836.25	
For Baked Enamel Standard Colors, Add	1,254.37	
For Anodized Finish, Add	1,672.49	
For Kynar® Standard Colors Finish, Add	2,299.68	
08 91 19 00-0182 EA 84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,246.81	121.98
Note: Includes bird screen.		
For Flange Frame, Add	100.28	
For Clear Lacquer Finish, Add	200.57	
For Baked Enamel Standard Colors, Add	300.85	
For Anodized Finish, Add	401.13	
For Kynar® Standard Colors Finish, Add	551.56	
08 91 19 00-0183 EA 84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,525.57	143.51
Note: Includes bird screen.		
For Flange Frame, Add	123.86	
For Clear Lacquer Finish, Add	247.71	
For Baked Enamel Standard Colors, Add	371.57	
For Anodized Finish, Add	495.42	
For Kynar® Standard Colors Finish, Add	681.20	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,781.77	165.04
			Note: Includes bird screen.		
			For Flange Frame, Add	145.17	
			For Clear Lacquer Finish, Add	290.34	
			For Baked Enamel Standard Colors, Add	435.51	
			For Anodized Finish, Add	580.68	
			For Kynar® Standard Colors Finish, Add	798.43	
08 91	19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,043.94	175.80
			Note: Includes bird screen.		
			For Flange Frame, Add	169.23	
			For Clear Lacquer Finish, Add	338.47	
			For Baked Enamel Standard Colors, Add	507.70	
			For Anodized Finish, Add	676.93	
			For Kynar® Standard Colors Finish, Add	930.78	
08 91	19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,392.24	182.98
			Note: Includes bird screen.		
			For Flange Frame, Add	202.63	
			For Clear Lacquer Finish, Add	405.26	
			For Baked Enamel Standard Colors, Add	607.88	
			For Anodized Finish, Add	810.51	
			For Kynar® Standard Colors Finish, Add	1,114.45	
08 91	19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,627.58	190.16
			Note: Includes bird screen.		
			For Flange Frame, Add	224.73	
			For Clear Lacquer Finish, Add	449.45	
			For Baked Enamel Standard Colors, Add	674.18	
			For Anodized Finish, Add	898.91	
			For Kynar® Standard Colors Finish, Add	1,236.00	
08 91	19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,857.34	200.92
			Note: Includes bird screen.		
			For Flange Frame, Add	245.55	
			For Clear Lacquer Finish, Add	491.10	
			For Baked Enamel Standard Colors, Add	736.65	
			For Anodized Finish, Add	982.20	
			For Kynar® Standard Colors Finish, Add	1,350.53	
08 91	19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,127.06	208.10
			Note: Includes bird screen.		
			For Flange Frame, Add	271.09	
			For Clear Lacquer Finish, Add	542.17	
			For Baked Enamel Standard Colors, Add	813.26	
			For Anodized Finish, Add	1,084.35	
			For Kynar® Standard Colors Finish, Add	1,490.98	
08 91	19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,357.80	218.86
			Note: Includes bird screen.		
			For Flange Frame, Add	292.01	
			For Clear Lacquer Finish, Add	584.02	
			For Baked Enamel Standard Colors, Add	876.02	
			For Anodized Finish, Add	1,168.03	
			For Kynar® Standard Colors Finish, Add	1,606.04	
08 91	19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,728.60	236.80
			Note: Includes bird screen.		
			For Flange Frame, Add	325.50	
			For Clear Lacquer Finish, Add	651.00	
			For Baked Enamel Standard Colors, Add	976.50	
			For Anodized Finish, Add	1,302.00	
			For Kynar® Standard Colors Finish, Add	1,790.26	
08 91	19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,954.43	247.57
			Note: Includes bird screen.		
			For Flange Frame, Add	345.93	
			For Clear Lacquer Finish, Add	691.86	
			For Baked Enamel Standard Colors, Add	1,037.79	
			For Anodized Finish, Add	1,383.72	
			For Kynar® Standard Colors Finish, Add	1,902.62	
08 91	19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	4,201.86	258.33
			Note: Includes bird screen.		
			For Flange Frame, Add	368.52	
			For Clear Lacquer Finish, Add	737.04	
			For Baked Enamel Standard Colors, Add	1,105.56	
			For Anodized Finish, Add	1,474.08	
			For Kynar® Standard Colors Finish, Add	2,026.87	
08 91	19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	4,464.71	265.51
			Note: Includes bird screen.		
			For Flange Frame, Add	393.37	
			For Clear Lacquer Finish, Add	786.74	
			For Baked Enamel Standard Colors, Add	1,180.11	
			For Anodized Finish, Add	1,573.48	
			For Kynar® Standard Colors Finish, Add	2,163.54	
08 91	19 00-0195	EA	84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	4,702.02	272.68
			Note: Includes bird screen.		
			For Flange Frame, Add	415.67	
			For Clear Lacquer Finish, Add	831.33	
			For Baked Enamel Standard Colors, Add	1,247.00	
			For Anodized Finish, Add	1,662.67	
			For Kynar® Standard Colors Finish, Add	2,286.17	



<b>Openings</b>	<b>08</b>
<b>Louvers and Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

08

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0196	EA	84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	5,053.27	279.85
		<i>For Flange Frame, Add</i>	449.36	
		<i>For Clear Lacquer Finish, Add</i>	898.71	
		<i>For Baked Enamel Standard Colors, Add</i>	1,348.07	
		<i>For Anodized Finish, Add</i>	1,797.42	
		<i>For Kynar® Standard Colors Finish, Add</i>	2,471.46	
08 91 19 00-0197	EA	90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,324.32	132.75
		<i>For Flange Frame, Add</i>	105.88	
		<i>For Clear Lacquer Finish, Add</i>	211.76	
		<i>For Baked Enamel Standard Colors, Add</i>	317.64	
		<i>For Anodized Finish, Add</i>	423.52	
		<i>For Kynar® Standard Colors Finish, Add</i>	582.35	
08 91 19 00-0198	EA	90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,607.02	154.28
		<i>For Flange Frame, Add</i>	129.85	
		<i>For Clear Lacquer Finish, Add</i>	259.69	
		<i>For Baked Enamel Standard Colors, Add</i>	389.54	
		<i>For Anodized Finish, Add</i>	519.39	
		<i>For Kynar® Standard Colors Finish, Add</i>	714.16	
08 91 19 00-0199	EA	90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,873.04	175.80
		<i>For Flange Frame, Add</i>	152.14	
		<i>For Clear Lacquer Finish, Add</i>	304.29	
		<i>For Baked Enamel Standard Colors, Add</i>	456.43	
		<i>For Anodized Finish, Add</i>	608.57	
		<i>For Kynar® Standard Colors Finish, Add</i>	836.79	
08 91 19 00-0200	EA	90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,143.06	186.57
		<i>For Flange Frame, Add</i>	176.99	
		<i>For Clear Lacquer Finish, Add</i>	353.98	
		<i>For Baked Enamel Standard Colors, Add</i>	530.98	
		<i>For Anodized Finish, Add</i>	707.97	
		<i>For Kynar® Standard Colors Finish, Add</i>	973.46	
08 91 19 00-0201	EA	90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,514.94	193.74
		<i>For Flange Frame, Add</i>	212.75	
		<i>For Clear Lacquer Finish, Add</i>	425.49	
		<i>For Baked Enamel Standard Colors, Add</i>	638.24	
		<i>For Anodized Finish, Add</i>	850.98	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,170.10	
08 91 19 00-0202	EA	90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,758.14	200.92
		<i>For Flange Frame, Add</i>	235.63	
		<i>For Clear Lacquer Finish, Add</i>	471.26	
		<i>For Baked Enamel Standard Colors, Add</i>	706.89	
		<i>For Anodized Finish, Add</i>	942.52	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,295.97	
08 91 19 00-0203	EA	90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,990.54	208.10
		<i>For Flange Frame, Add</i>	257.44	
		<i>For Clear Lacquer Finish, Add</i>	514.87	
		<i>For Baked Enamel Standard Colors, Add</i>	772.31	
		<i>For Anodized Finish, Add</i>	1,029.74	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,415.89	
08 91 19 00-0204	EA	90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,275.00	215.27
		<i>For Flange Frame, Add</i>	284.45	
		<i>For Clear Lacquer Finish, Add</i>	568.89	
		<i>For Baked Enamel Standard Colors, Add</i>	853.34	
		<i>For Anodized Finish, Add</i>	1,137.78	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,564.45	
08 91 19 00-0205	EA	90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,517.52	226.04
		<i>For Flange Frame, Add</i>	306.55	
		<i>For Clear Lacquer Finish, Add</i>	613.09	
		<i>For Baked Enamel Standard Colors, Add</i>	919.64	
		<i>For Anodized Finish, Add</i>	1,226.18	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,686.00	
08 91 19 00-0206	EA	90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,908.94	243.98
		<i>For Flange Frame, Add</i>	342.10	
		<i>For Clear Lacquer Finish, Add</i>	684.20	
		<i>For Baked Enamel Standard Colors, Add</i>	1,026.30	
		<i>For Anodized Finish, Add</i>	1,368.40	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,881.55	
08 91 19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,144.59	254.74
		<i>For Flange Frame, Add</i>	363.51	
		<i>For Clear Lacquer Finish, Add</i>	727.02	
		<i>For Baked Enamel Standard Colors, Add</i>	1,090.54	
		<i>For Anodized Finish, Add</i>	1,454.05	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,999.32	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers and Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	4,413.64	265.51
			Note: Includes bird screen.		
			For Flange Frame, Add	388.26	
			For Clear Lacquer Finish, Add	776.53	
			For Baked Enamel Standard Colors, Add	1,164.79	
			For Anodized Finish, Add	1,553.06	
			For Kynar® Standard Colors Finish, Add	2,135.45	
08 91	19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	4,692.20	272.68
			Note: Includes bird screen.		
			For Flange Frame, Add	414.69	
			For Clear Lacquer Finish, Add	829.37	
			For Baked Enamel Standard Colors, Add	1,244.06	
			For Anodized Finish, Add	1,658.74	
			For Kynar® Standard Colors Finish, Add	2,280.77	
08 91	19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	4,930.79	283.44
			Note: Includes bird screen.		
			For Flange Frame, Add	436.39	
			For Clear Lacquer Finish, Add	872.78	
			For Baked Enamel Standard Colors, Add	1,309.17	
			For Anodized Finish, Add	1,745.56	
			For Kynar® Standard Colors Finish, Add	2,400.15	
08 91	19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	5,302.67	290.61
			Note: Includes bird screen.		
			For Flange Frame, Add	472.14	
			For Clear Lacquer Finish, Add	944.29	
			For Baked Enamel Standard Colors, Add	1,416.43	
			For Anodized Finish, Add	1,888.58	
			For Kynar® Standard Colors Finish, Add	2,596.79	
08 91	19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,392.00	143.51
			Note: Includes bird screen.		
			For Flange Frame, Add	110.50	
			For Clear Lacquer Finish, Add	221.00	
			For Baked Enamel Standard Colors, Add	331.49	
			For Anodized Finish, Add	441.99	
			For Kynar® Standard Colors Finish, Add	607.74	
08 91	19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,684.53	165.04
			Note: Includes bird screen.		
			For Flange Frame, Add	135.45	
			For Clear Lacquer Finish, Add	270.89	
			For Baked Enamel Standard Colors, Add	406.34	
			For Anodized Finish, Add	541.78	
			For Kynar® Standard Colors Finish, Add	744.95	
08 91	19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,963.32	186.57
			Note: Includes bird screen.		
			For Flange Frame, Add	159.02	
			For Clear Lacquer Finish, Add	318.04	
			For Baked Enamel Standard Colors, Add	477.05	
			For Anodized Finish, Add	636.07	
			For Kynar® Standard Colors Finish, Add	874.60	
08 91	19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,248.08	197.33
			Note: Includes bird screen.		
			For Flange Frame, Add	185.34	
			For Clear Lacquer Finish, Add	370.68	
			For Baked Enamel Standard Colors, Add	556.02	
			For Anodized Finish, Add	741.36	
			For Kynar® Standard Colors Finish, Add	1,019.38	
08 91	19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,631.74	204.51
			Note: Includes bird screen.		
			For Flange Frame, Add	222.27	
			For Clear Lacquer Finish, Add	444.54	
			For Baked Enamel Standard Colors, Add	666.82	
			For Anodized Finish, Add	889.09	
			For Kynar® Standard Colors Finish, Add	1,222.50	
08 91	19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,915.21	211.69
			Note: Includes bird screen.		
			For Flange Frame, Add	249.18	
			For Clear Lacquer Finish, Add	498.37	
			For Baked Enamel Standard Colors, Add	747.55	
			For Anodized Finish, Add	996.74	
			For Kynar® Standard Colors Finish, Add	1,370.51	
08 91	19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,162.34	218.86
			Note: Includes bird screen.		
			For Flange Frame, Add	272.46	
			For Clear Lacquer Finish, Add	544.92	
			For Baked Enamel Standard Colors, Add	817.39	
			For Anodized Finish, Add	1,089.85	
			For Kynar® Standard Colors Finish, Add	1,498.54	
08 91	19 00-0219	EA	96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,433.05	226.04
			Note: Includes bird screen.		
			For Flange Frame, Add	298.10	
			For Clear Lacquer Finish, Add	596.20	
			For Baked Enamel Standard Colors, Add	894.29	
			For Anodized Finish, Add	1,192.39	
			For Kynar® Standard Colors Finish, Add	1,639.54	



<b>Openings</b>	<b>08</b>
<b>Louvers and Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0220 EA 96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,684.11	233.21
Note: Includes bird screen.		
For Flange Frame, Add	321.77	
For Clear Lacquer Finish, Add	643.54	
For Baked Enamel Standard Colors, Add	965.31	
For Anodized Finish, Add	1,287.08	
For Kynar® Standard Colors Finish, Add	1,769.73	
08 91 19 00-0221 EA 96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	4,104.03	251.15
Note: Includes bird screen.		
For Flange Frame, Add	360.17	
For Clear Lacquer Finish, Add	720.35	
For Baked Enamel Standard Colors, Add	1,080.52	
For Anodized Finish, Add	1,440.69	
For Kynar® Standard Colors Finish, Add	1,980.95	
08 91 19 00-0222 EA 96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,290.69	261.92
Note: Includes bird screen.		
For Flange Frame, Add	276.69	
For Clear Lacquer Finish, Add	553.37	
For Baked Enamel Standard Colors, Add	830.06	
For Anodized Finish, Add	1,106.74	
For Kynar® Standard Colors Finish, Add	1,521.77	
08 91 19 00-0223 EA 96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	4,622.46	272.68
Note: Includes bird screen.		
For Flange Frame, Add	407.71	
For Clear Lacquer Finish, Add	815.42	
For Baked Enamel Standard Colors, Add	1,223.13	
For Anodized Finish, Add	1,630.84	
For Kynar® Standard Colors Finish, Add	2,242.41	
08 91 19 00-0224 EA 96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	4,910.86	279.85
Note: Includes bird screen.		
For Flange Frame, Add	435.12	
For Clear Lacquer Finish, Add	870.23	
For Baked Enamel Standard Colors, Add	1,305.35	
For Anodized Finish, Add	1,740.46	
For Kynar® Standard Colors Finish, Add	2,393.13	
08 91 19 00-0225 EA 96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	5,161.23	290.61
Note: Includes bird screen.		
For Flange Frame, Add	458.00	
For Clear Lacquer Finish, Add	916.00	
For Baked Enamel Standard Colors, Add	1,374.00	
For Anodized Finish, Add	1,832.00	
For Kynar® Standard Colors Finish, Add	2,519.00	
08 91 19 00-0226 EA 96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	5,562.87	301.38
Note: Includes bird screen.		
For Flange Frame, Add	496.01	
For Clear Lacquer Finish, Add	992.02	
For Baked Enamel Standard Colors, Add	1,488.03	
For Anodized Finish, Add	1,984.04	
For Kynar® Standard Colors Finish, Add	2,728.06	
<b>08 91 19 00-0227 Gable Louver Vents (08 91 19)</b>		
Note: 1" deep, residential/light commercial grade louvers.		
<b>08 91 19 00-0228 Aluminum Gable Louver Vents (08 91 19 00-0227)</b>		
Note: Includes screen.		
<b>08 91 19 00-0229 Rectangular Aluminum Gable Louver Vents (08 91 19 00-0228)</b>		
Note: Includes screen.		
08 91 19 00-0230 EA 12" x 18" Rectangular Fixed Aluminum Gable Louver Vent.....	250.48	10.36
08 91 19 00-0231 EA 12" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	273.87	11.90
08 91 19 00-0232 EA 18" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	316.05	13.43
08 91 19 00-0233 EA 18" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	346.74	14.28
08 91 19 00-0234 EA 24" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	396.21	15.12
08 91 19 00-0235 EA 24" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	442.84	18.14
08 91 19 00-0236 EA 30" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	512.80	22.67
08 91 19 00-0237 EA 30" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	571.10	26.45
08 91 19 00-0238 EA 36" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	652.71	31.74
08 91 19 00-0239 EA 42" x 48" Rectangular Fixed Aluminum Gable Louver Vent.....	815.93	42.32
<b>08 91 19 00-0240 Square Aluminum Gable Louver Vents (08 91 19 00-0228)</b>		
Note: Includes screen.		
08 91 19 00-0241 EA 12" x 12" Square Fixed Aluminum Gable Louver Vent .....	229.25	9.54
08 91 19 00-0242 EA 18" x 18" Square Fixed Aluminum Gable Louver Vent .....	283.83	12.09
08 91 19 00-0243 EA 24" x 24" Square Fixed Aluminum Gable Louver Vent .....	356.12	14.26
08 91 19 00-0244 EA 30" x 30" Square Fixed Aluminum Gable Louver Vent .....	454.50	18.89
08 91 19 00-0245 EA 36" x 36" Square Fixed Aluminum Gable Louver Vent .....	582.75	27.21
08 91 19 00-0246 EA 42" x 42" Square Fixed Aluminum Gable Louver Vent .....	734.24	37.01
08 91 19 00-0247 EA 48" x 48" Square Fixed Aluminum Gable Louver Vent .....	909.21	48.36
<b>08 91 19 00-0248 Round Aluminum Gable Louver Vents (08 91 19 00-0228)</b>		
Note: Includes screen.		
08 91 19 00-0249 EA 12" Diameter Round Fixed Aluminum Gable Louver Vent.....	229.25	9.54
08 91 19 00-0250 EA 18" Diameter Round Fixed Aluminum Gable Louver Vent.....	283.83	12.09



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 91 19 00-0251	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent.....	356.12	14.26
08 91 19 00-0252	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent.....	454.50	18.89
08 91 19 00-0253	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent.....	582.75	27.21
08 91 19 00-0254	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent.....	734.33	37.03

### 08 91 19 00-0255 Octagonal Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0256	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent.....	229.25	9.54
08 91 19 00-0257	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	250.48	10.36
08 91 19 00-0258	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	273.87	11.90
08 91 19 00-0259	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	283.83	12.09
08 91 19 00-0260	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	316.05	13.43
08 91 19 00-0261	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	346.74	14.28
08 91 19 00-0262	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	356.12	14.26
08 91 19 00-0263	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	396.21	15.12
08 91 19 00-0264	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	442.84	18.14
08 91 19 00-0265	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	454.50	18.89
08 91 19 00-0266	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	512.80	22.67
08 91 19 00-0267	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	571.10	26.45
08 91 19 00-0268	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	582.75	27.21
08 91 19 00-0269	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	652.71	31.74
08 91 19 00-0270	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	722.66	36.27
08 91 19 00-0271	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	734.33	37.03
08 91 19 00-0272	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	815.93	42.32
08 91 19 00-0273	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	909.21	48.36

### 08 91 19 00-0274 Round Top Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0275	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent.....	229.25	9.54
08 91 19 00-0276	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	250.48	10.36
08 91 19 00-0277	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	273.87	11.90
08 91 19 00-0278	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	283.83	12.09
08 91 19 00-0279	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	316.05	13.43
08 91 19 00-0280	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	346.74	14.28
08 91 19 00-0281	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	356.12	14.26
08 91 19 00-0282	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	396.21	15.12
08 91 19 00-0283	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	442.84	18.14
08 91 19 00-0284	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	454.50	18.89
08 91 19 00-0285	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	512.80	22.67
08 91 19 00-0286	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	571.10	26.45
08 91 19 00-0287	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	582.75	27.21
08 91 19 00-0288	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	652.71	31.74
08 91 19 00-0289	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	722.66	36.27
08 91 19 00-0290	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	734.33	37.03
08 91 19 00-0291	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	815.93	42.32
08 91 19 00-0292	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	909.21	48.36

### 08 91 19 00-0293 Triangle Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0294	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	480.45	11.90
08 91 19 00-0295	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	543.92	14.26
08 91 19 00-0296	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	584.01	15.12
08 91 19 00-0297	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	668.20	18.14
08 91 19 00-0298	EA	48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	745.59	18.89
08 91 19 00-0299	EA	60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	606.70	22.67
08 91 19 00-0300	EA	60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	711.95	26.45
08 91 19 00-0301	EA	60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	808.11	27.21
08 91 19 00-0302	EA	60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	915.63	31.74
08 91 19 00-0303	EA	72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	722.66	36.27
08 91 19 00-0304	EA	72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	837.62	37.03
08 91 19 00-0305	EA	72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	966.17	42.32
08 91 19 00-0306	EA	72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	1,097.01	48.36
08 91 19 00-0307	EA	72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent.....	1,231.34	55.58

### 08 91 19 00-0308 Vinyl Gable Louver Vents (08 91 19 00-0227)

Note: Includes screen.

08 91 19 00-0309	EA	12" x 12" Square Fixed Vinyl Gable Louver Vent.....	72.01	9.54
08 91 19 00-0310	EA	12" x 18" Rectangular Fixed Vinyl Gable Louver Vent.....	87.50	10.36
08 91 19 00-0311	EA	18" x 24" Rectangular Fixed Vinyl Gable Louver Vent.....	119.69	13.43
08 91 19 00-0312	EA	24" x 30" Rectangular Fixed Vinyl Gable Louver Vent.....	165.29	15.12
08 91 19 00-0313	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent.....	116.24	12.09
08 91 19 00-0314	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent.....	134.22	14.26
08 91 19 00-0315	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent.....	189.75	18.89
08 91 19 00-0316	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent.....	277.49	27.21
08 91 19 00-0317	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent.....	116.24	12.09
08 91 19 00-0318	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent.....	131.71	13.43
08 91 19 00-0319	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent.....	170.83	15.12





<b>Openings</b>	<b>08</b>	<b>08</b>
Louvers and Vents	08 90	
Louvers	08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0320	EA		32" x 32" Octagonal Fixed Vinyl Gable Louver Vent.....	242.10	22.67
08 91 19 00-0321	EA		40" x 40" Octagonal Fixed Vinyl Gable Louver Vent.....	582.59	36.27
08 91 19 00-0322	EA		14" x 22" Round Top Fixed Vinyl Gable Louver Vent.....	113.91	11.90
08 91 19 00-0323	EA		22" x 32" Round Top Fixed Vinyl Gable Louver Vent.....	159.35	15.12
08 91 19 00-0324	EA		34" x 22" Half Round Fixed Vinyl Gable Louver Vent.....	164.10	18.14
08 91 19 00-0325	EA		52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	384.32	22.67
08 91 19 00-0326	EA		56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	384.32	22.67
08 91 19 00-0327	EA		56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	384.32	22.67
08 91 19 00-0328	EA		62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	384.32	22.67
08 91 19 00-0329	EA		62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent.....	384.32	22.67
08 91 19 00-0330	EA		70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent.....	425.16	36.27
08 91 19 00-0331	EA		70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	425.16	36.27
08 91 19 00-0332	EA		72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent.....	425.16	36.27
08 91 19 00-0333	EA		74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	425.16	36.27

**08 95 Vents** (08 90)

**08 95 13 Soffit Vents** (08 95)

**08 95 13 00-0001 Aluminum Soffit Vents** (08 95 13)

08 95 13 00-0002	LF		2-1/2" Wide Aluminum Soffit Vent.....	8.36	3.30
08 95 13 00-0003	LF		3" Wide Aluminum Soffit Vent.....	15.59	6.46
08 95 13 00-0004	EA		4" x 16" Under Eave Vent, Mill Finish.....	23.74	8.61
08 95 13 00-0005	EA		8" x 16" Under Eave Vent, Mill Finish.....	24.33	8.61

**08 95 13 00-0006 Vinyl Soffit Vents** (08 95 13)

08 95 13 00-0007	LF		Up To 2" Vinyl Soffit Vent, Perforated, White.....	5.98	2.45
			<i>For Colors, Add</i>	<i>0.11</i>	
08 95 13 00-0008	LF		3" To 4" Vinyl Soffit Vent, Perforated, White.....	5.91	2.45
			<i>For Colors, Add</i>	<i>0.10</i>	

**08 95 16 Wall Vents** (08 95)

**08 95 16 00-0001 Foundation Vents** (08 95 16)

08 95 16 00-0002	SI		Galvanized Steel Foundation Vent.....	0.52	0.21
08 95 16 00-0003	SI		Aluminum Foundation Vent.....	0.74	0.21
08 95 16 00-0004	SI		Stainless Steel Foundation Vent.....	0.90	0.21
08 95 16 00-0005	SI		Plastic Foundation Vent.....	0.56	0.21

**END OF SECTION 08**

08	<b>08</b>	<b>Openings</b>
	08 90	Louvers and Vents
	08 95	Vents




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MINOR	TOTAL DIRECT
CSI UOM DESCRIPTION	UNIT COST DEMOLITION
	UNIT COST

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	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 09 Finishes

### 09 01 Maintenance of Finishes (09)

#### 09 01 20 Maintenance of Plaster and Gypsum Board (09 01)

##### 09 01 20 91 Plaster Restoration (09 01 20)

##### 09 01 20 91-0001 Cut And Patch Hole In Gypsum Board To Match Existing (09 01 20 91)

Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.

09 01 20 91-0002	SF	Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing .....	19.47
		Note: Per location.	
09 01 20 91-0003	SF	>2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing .....	15.72
		Note: Per location.	
09 01 20 91-0004	SF	>4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing .....	14.11
		Note: Per location.	
09 01 20 91-0005	SF	>8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing .....	12.45
		Note: Per location.	
09 01 20 91-0006	SF	>16 To 32 SF, Cut And Patch Hole In Gypsum Board To Match Existing .....	11.14
		Note: Per location. See CSI section 09 29 10 00-0001 for "Gypsum Board" repairs > 32 SF.	

##### 09 01 20 91-0007 Patch/Finish Gypsum Board To Match Existing (09 01 20 91)

Note: Includes taping, gypsum board finishing. Per location. See CSI section 09 01 20 91-0001 for patching walls requiring gypsum board to be cut and installed.

09 01 20 91-0008	EA	Tape, Spackle And Finish Gypsum Board To Patch/Finish Small Diameter Holes Or Screw Head Pops .....	1.84
		For ASTM C840 Level 1 Finish, Deduct	-0.89
		For ASTM C840 Level 2 Finish, Deduct	-0.45
		For ASTM C840 Level 3 Finish, Deduct	-0.18
		For ASTM C840 Level 5 High Quality Finish, Add	1.37

##### 09 01 20 91-0009 Plaster/Stucco Repair (09 01 20 91)

Note: Per location.

##### 09 01 20 91-0010 Clean And Repair Crack In Plaster/Stucco (09 01 20 91-0009)

Note: Includes plaster weld.

09 01 20 91-0011	LF	Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco .....	18.99
09 01 20 91-0012	LF	>10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco .....	15.25
09 01 20 91-0013	LF	>50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco .....	12.43
09 01 20 91-0014	LF	>100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco .....	9.62
09 01 20 91-0015	LF	>250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco .....	7.74
09 01 20 91-0016	LF	>500', Chip, Clean And Repair Crack In Plaster/Stucco .....	5.87

##### 09 01 20 91-0017 Cut And Patch Hole In Plaster/Stucco To Match Existing (09 01 20 91-0009)

Note: Includes plaster weld.

09 01 20 91-0018	SF	Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing .....	18.19
09 01 20 91-0019	SF	>10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing .....	16.12
09 01 20 91-0020	SF	>50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing .....	14.84
09 01 20 91-0021	SF	>100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing .....	13.81
09 01 20 91-0022	SF	>250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing .....	12.88
09 01 20 91-0023	SF	>500 SF, Cut And Patch Hole In Plaster To Match Existing .....	11.87

##### 09 01 20 91-0024 Chip, Clean And Repair Plaster/Stucco (09 01 20 91-0009)

Note: Includes plaster weld.

09 01 20 91-0025	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco .....	34.26
09 01 20 91-0026	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco .....	24.88
09 01 20 91-0027	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco .....	18.33
09 01 20 91-0028	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco .....	14.58

#### 09 01 30 Maintenance of Tiling (09 01)

##### 09 01 30 91 Tile Restoration (09 01 30)

09 01 30 91-0001	SF	Regrout Floor Tile Including Removal Of Loose Grout .....	7.66
09 01 30 91-0002	SF	Regrout Wall Tile Including Removal Of Loose Grout .....	9.54
09 01 30 91-0003	SF	Up To 1 SF, Cut And Patch Hole In Wall Tile To Match Existing .....	51.21
		Note: Per location.	

#### 09 01 60 Maintenance of Flooring (09 01)

##### 09 01 60 91 Flooring Restoration (09 01 60)

##### 09 01 60 91-0001 Grinding, Polishing And Sealing Terrazzo (09 01 60 91)

09 01 60 91-0002	CSF	Grinding, Polishing And Sealing Existing Terrazzo .....	312.60
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**09 Finishes****09 01 Maintenance of Finishes****09 01 60 Maintenance of Flooring**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 60 91-0003 SF Removal Of Setting Bed And Clean Area For Terrazzo Repair .....	4.81	
09 01 60 91-0004 SF Repair Existing Terrazzo.....	20.94	
09 01 60 91-0005 LF Repair Cracks In Existing Terrazzo.....	4.89	
<b>09 01 60 91-0006 Standard Flooring Maintenance (09 01 60 91)</b>		
09 01 60 91-0007 CSF Steam Clean Carpet .....	41.15	
09 01 60 91-0008 CSF Wax And Polish Tile And VCT Flooring .....	45.72	
For Additional Coat, Add	38.41	
For Stripping Existing Wax From Floor, Add	43.60	
09 01 60 91-0009 CSF Wax And Polish Wood Flooring .....	28.54	
For Additional Coat, Add	25.29	
For Stripping Existing Wax From Floor, Add	43.60	
09 01 60 91-0010 MSF Vacuum Floors.....	22.66	
<b>09 01 60 91-0011 Prepare Existing Concrete Floor Prior To Installation Of Flooring (09 01 60 91)</b>		
09 01 60 91-0012 SY Grinding Of Existing Concrete Floor Prior To Installation Of Flooring.....	8.73	
Note: Up to 1/8" of material per pass		
09 01 60 91-0013 SY Chemical Prepare Existing Concrete Floor Prior To Installation Of Flooring.....	7.10	
<b>09 01 60 91-0014 Floor Sealants (09 01 60 91)</b>		
09 01 60 91-0015 SF Water-Based Emulsion, Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat.....	1.39	
Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.		
09 01 60 91-0016 SF Water-Based, Clear Acrylic, Concrete Floor Sealant/Finish, Per Coat.....	1.55	
Note: For interior/exterior concrete surfaces.		
09 01 60 91-0017 SF Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant .....	1.49	
09 01 60 91-0018 GAL Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner).....	44.11	
<b>09 01 80 Maintenance of Acoustic Treatment (09 01)</b>		
<b>09 01 80 00-0001 Removal Of Acoustical Ceiling Treatment (09 01 80)</b>		
09 01 80 00-0002 SF Removal Of Acoustical And Popcorn Ceilings Treatment.....	2.39	
<b>09 01 90 Maintenance of Painting and Coating (09 01)</b>		
<b>09 01 90 52 Maintenance Repainting (09 01 90)</b>		
<b>09 01 90 52-0001 Cleaning And Preparation Of Painted And Unpainted Surfaces (09 01 90 52)</b>		
Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.		
<b>09 01 90 52-0002 Concrete And Masonry Surfaces, Surface Preparation (09 01 90 52-0001)</b>		
09 01 90 52-0003 SF Trisodium Phosphate (TSP), Clean Concrete Or Masonry Surfaces, Surface Preparation .....	0.43	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.09	
09 01 90 52-0004 SF Calcimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation.....	0.45	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.09	
09 01 90 52-0005 SF Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation .....	0.70	
For Up To 100, Add	1.08	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.14	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.10	
For >30,000, Deduct	-0.13	
09 01 90 52-0006 SF Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation.....	0.57	
For Up To 100, Add	1.14	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.14	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.09	
For >30,000, Deduct	-0.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0007 SF Steam Clean, Concrete And Masonry Surfaces, Surface Preparation.....	0.75	
For Up To 100, Add	1.22	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.15	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.07	
For >15,000 To 30,000, Deduct	-0.11	
For >30,000, Deduct	-0.14	
09 01 90 52-0008 SF Up To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation .....	0.50	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.07	
For >30,000, Deduct	-0.09	
09 01 90 52-0009 SF 10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation .....	1.36	
For Up To 100, Add	2.34	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.29	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 15,000, Deduct	-0.13	
For >15,000 To 30,000, Deduct	-0.20	
For >30,000, Deduct	-0.26	
09 01 90 52-0010 SF 30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation .....	2.23	
For Up To 100, Add	4.08	
For >100 To 250, Add	1.02	
For >250 To 500, Add	0.51	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 15,000, Deduct	-0.22	
For >15,000 To 30,000, Deduct	-0.33	
For >30,000, Deduct	-0.44	
09 01 90 52-0011 SF Sand Blasting, Concrete And Masonry Surfaces, Surface Preparation .....	3.45	
Note: 3 lbs of sand per SF		
For 4.5 lbs Of Sand per SF, Where Multiple Pass Is Required, Add	2.01	
For 6 lbs Of Sand per SF, Where Multiple Pass Is Required, Add	4.15	
For 9 lbs Of Sand per SF, Where Multiple Pass Is Required, Add	6.90	
For Up To 100, Add	5.62	
For >100 To 250, Add	1.41	
For >250 To 500, Add	0.70	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 15,000, Deduct	-0.32	
For >15,000 To 30,000, Deduct	-0.50	
For >30,000, Deduct	-0.66	
<b>09 01 90 52-0012 Drywall Surfaces, Surface Preparation</b> (09 01 90 52-0001)		
See CSI section 09 01 20 91-0007 for Patch holes other than nail/screw holes and greater than 1/2" diameter.		
09 01 90 52-0013 SF Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation.....	0.33	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
09 01 90 52-0014 SF Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation.....	0.55	
For Up To 100, Add	1.10	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.14	
09 01 90 52-0015 SF Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation .....	1.04	
For Up To 100, Add	1.94	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.24	
<b>09 01 90 52-0016 Metal Surfaces, Surface Preparation</b> (09 01 90 52-0001)		
09 01 90 52-0017 SF Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation.....	0.41	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.08	
09 01 90 52-0018 SF Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation .....	0.70	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.10	
For >30,000, Deduct	-0.13	

## 09 Finishes

## 09 01 Maintenance of Finishes

## 09 01 90 Maintenance of Painting and Coating



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0019	SF		Hand Scraping And Sanding, Metal Surfaces, Surface Preparation .....	0.57	
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.11	
09 01 90 52-0020	SF		Up To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation .....	0.47	
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.07	
			For >30,000, Deduct	-0.09	
09 01 90 52-0021	SF		Power Tool Cleaning, Metal Surfaces, Surface Preparation .....	1.19	
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 15,000, Deduct	-0.12	
			For >15,000 To 30,000, Deduct	-0.18	
			For >30,000, Deduct	-0.24	
09 01 90 52-0022	SF		Steam Cleaning, Metal Surfaces, Surface Preparation .....	0.47	
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.07	
			For >30,000, Deduct	-0.09	
09 01 90 52-0023	SF		Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation .....	1.04	
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.10	
			For >15,000 To 30,000, Deduct	-0.15	
			For >30,000, Deduct	-0.20	
09 01 90 52-0024	SF		Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation .....	1.42	
			For Up To 100, Add	0.85	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 15,000, Deduct	-0.13	
			For >15,000 To 30,000, Deduct	-0.20	
			For >30,000, Deduct	-0.27	
09 01 90 52-0025	SF		Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation .....	2.08	
			For Up To 100, Add	1.28	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 15,000, Deduct	-0.19	
			For >15,000 To 30,000, Deduct	-0.30	
			For >30,000, Deduct	-0.40	
09 01 90 52-0026	SF		Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation .....	3.49	
			For Up To 100, Add	2.13	
			For >100 To 250, Add	0.99	
			For >250 To 500, Add	0.43	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 15,000, Deduct	-0.32	
			For >15,000 To 30,000, Deduct	-0.50	
			For >30,000, Deduct	-0.67	
09 01 90 52-0027	SF		Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation .....	2.66	
			For Up To 100, Add	1.60	
			For >100 To 250, Add	0.75	
			For >250 To 500, Add	0.32	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 15,000, Deduct	-0.24	
			For >15,000 To 30,000, Deduct	-0.38	
			For >30,000, Deduct	-0.51	
09 01 90 52-0028	SF		Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation .....	3.29	
			For Up To 100, Add	1.97	
			For >100 To 250, Add	0.92	
			For >250 To 500, Add	0.39	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 15,000, Deduct	-0.30	
			For >15,000 To 30,000, Deduct	-0.47	
			For >30,000, Deduct	-0.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0029 SF Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation.....	4.27	
For Up To 100, Add	2.56	
For >100 To 250, Add	1.19	
For >250 To 500, Add	0.51	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 15,000, Deduct	-0.39	
For >15,000 To 30,000, Deduct	-0.61	
For >30,000, Deduct	-0.81	
09 01 90 52-0030 SF Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation.....	5.34	
For Up To 100, Add	3.20	
For >100 To 250, Add	1.49	
For >250 To 500, Add	0.64	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000 To 15,000, Deduct	-0.49	
For >15,000 To 30,000, Deduct	-0.77	
For >30,000, Deduct	-1.01	
<b>09 01 90 52-0031 Tile Surfaces, Surface Preparation (09 01 90 52-0001)</b>		
09 01 90 52-0032 SF Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation.....	0.37	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	
09 01 90 52-0033 CSF Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation .....	36.59	
For Up To 100, Add	27.20	
For >100 To 250, Add	12.69	
For >250 To 500, Add	5.44	
For >5,000 To 10,000, Deduct	-1.82	
For >10,000 To 15,000, Deduct	-3.65	
For >15,000 To 30,000, Deduct	-5.48	
For >30,000, Deduct	-7.30	
09 01 90 52-0034 SF Up To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation .....	0.33	
For Up To 100, Add	0.20	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.06	
<b>09 01 90 52-0035 Wood Surfaces, Surface Preparation (09 01 90 52-0001)</b>		
09 01 90 52-0036 SF Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening.....	1.44	
For Up To 100, Add	1.02	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.20	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 15,000, Deduct	-0.14	
For >15,000 To 30,000, Deduct	-0.21	
For >30,000, Deduct	-0.28	
09 01 90 52-0037 SF Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation.....	0.39	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.08	
09 01 90 52-0038 SF Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation .....	0.59	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.05	
For >15,000 To 30,000, Deduct	-0.08	
For >30,000, Deduct	-0.11	
09 01 90 52-0039 SF Hand Scrape Wood Surfaces, Surface Preparation.....	0.76	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.11	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.08	
For >15,000 To 30,000, Deduct	-0.11	
For >30,000, Deduct	-0.15	
09 01 90 52-0040 SF Steam Clean Wood Surfaces, Surface Preparation.....	0.73	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.07	
For >15,000 To 30,000, Deduct	-0.11	
For >30,000, Deduct	-0.14	

**09 Finishes****09 01 Maintenance of Finishes****09 01 90 Maintenance of Painting and Coating**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0041 SF Up To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation.....	0.51	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.05	
For >15,000 To 30,000, Deduct	-0.07	
For >30,000, Deduct	-0.10	
09 01 90 52-0042 SF Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation.....	0.77	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.07	
For >15,000 To 30,000, Deduct	-0.11	
For >30,000, Deduct	-0.15	
09 01 90 52-0043 SF Sanding Wood Trim Surfaces, Surface Preparation .....	1.04	
For Up To 100, Add	0.73	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.10	
For >15,000 To 30,000, Deduct	-0.15	
For >30,000, Deduct	-0.20	
09 01 90 52-0044 SF Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	0.70	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.10	
For >30,000, Deduct	-0.13	
09 01 90 52-0045 SF Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	0.81	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.08	
For >15,000 To 30,000, Deduct	-0.12	
For >30,000, Deduct	-0.16	
<b>09 01 90 52-0046 Vinyl Siding Surfaces, Surface Preparation (09 01 90 52-0001)</b>		
09 01 90 52-0047 SF Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.37	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	
09 01 90 52-0048 SF Hand Wash, Vinyl Siding Surfaces, Surface Preparation.....	0.58	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.09	
For >30,000, Deduct	-0.11	
09 01 90 52-0049 SF Up To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation .....	0.42	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.08	
09 01 90 52-0050 SF Steam Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.78	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.07	
For >15,000 To 30,000, Deduct	-0.11	
For >30,000, Deduct	-0.15	

**09 01 90 52-0051 Plaster/Stucco Surfaces, Surface Preparation (09 01 90 52-0001)**

Note: Based on total project quantity.





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0052 SF Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation .....	0.43	
<i>For Up To 100, Add</i>	0.31	
<i>For &gt;100 To 250, Add</i>	0.14	
<i>For &gt;250 To 500, Add</i>	0.06	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.04	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.06	
<i>For &gt;30,000, Deduct</i>	-0.09	
09 01 90 52-0053 SF Up To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation.....	0.55	
<i>For Up To 100, Add</i>	0.32	
<i>For &gt;100 To 250, Add</i>	0.15	
<i>For &gt;250 To 500, Add</i>	0.06	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.05	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.08	
<i>For &gt;30,000, Deduct</i>	-0.10	

09 01 90 52-0054	Prep Work <small>(09 01 90 52-0001)</small>	1.04
09 01 90 52-0055	SF Citrus Strip, Single Applications..... <small>Note: For removal of up to 40 mils each application (average 5 layers at 8 mils per layer) dried latex and oil-based paint, varnish, lacquer, polyurethane and shellac from wood, metal, and masonry surfaces. Multiple applications may be necessary, refer to manufacturer recommendations</small>	1.04

**09 01 90 61 Repainting** (09 01 90)

09 01 90 61-0001	Touchup and "Spot" Painting Of Surfaces <small>(09 01 90 61)</small> <small>Note: For use on individual areas less than 10 SF.</small>	
09 01 90 61-0002	SF "Spot" Paint Drywall, Plaster, Wood And Concrete Surfaces, Per Coat .....	1.28

**09 01 90 91 Paint Restoration** (09 01 90)

09 01 90 91-0001	Paint Removal, Strip To Bare Wood <small>(09 01 90 91)</small>	
09 01 90 91-0002	SF Flat Surfaces, Paint Removal, Strip To Bare Wood .....	6.66
09 01 90 91-0003	SF Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood.....	7.09

**09 05 Common Work Results for Finishes** (09)

**09 05 61 Common Work Results for Flooring Preparation** (09 05)

**09 05 61 13 Moisture Vapor Emission Control** (09 05 61)

09 05 61 13-0001	Moisture Vapor Reduction System (Koester VAP) <small>(09 05 61 13)</small>	
09 05 61 13-0002	EA Up To 200 SF, Water Vapor Emission Control System (Koester VAP 1-2000) .....	2,846.67
	<small>Note: Clear</small>	
09 05 61 13-0003	SF >200 To 500 SF, Water Vapor Emission Control System (Koester VAP 1-2001) .....	15.07
	<small>Note: Clear</small>	
09 05 61 13-0004	SF >500 To 1,000 SF, Water Vapor Emission Control System (Koester VAP 1-2002) .....	10.04
	<small>Note: Clear</small>	
09 05 61 13-0005	SF >1,000 To 3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2003) .....	8.38
	<small>Note: Clear</small>	
09 05 61 13-0006	SF >3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2004) .....	6.70
	<small>Note: Clear</small>	
09 05 61 13-0007	Moisture Vapor Transmission Control (Dependable Cutdown® II) <small>(09 05 61 13)</small>	
09 05 61 13-0008	SF 8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II) .....	4.43
09 05 61 13-0009	SF 15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II) .....	6.12

**09 05 71 Acoustic Underlayment** (09 05)

09 05 71 00-0001	Tile And Stone Acoustical Underlayment <small>(09 05 71)</small>	
09 05 71 00-0002	SF 5 Mil Tile And Stone Acoustical Underlayment (EasyMat) .....	4.23
	<small>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</small>	0.46
09 05 71 00-0003	Resilient Floor Acoustical Underlayment <small>(09 05 71)</small>	
09 05 71 00-0004	SF Vinyl, Linoleum, LVT And Vinyl Strip Flooring Acoustical Underlayment (Impacta, Soundseal VC300) .....	2.91
09 05 71 00-0005	SF 2 MM Thick Resilient Plank Floor Acoustical Underlayment (Floormuffler) .....	1.57
09 05 71 00-0006	SF 0.055" Thick High Density Polyurethane Foam Floor Acoustical Underlayment (Silencer LVT) .....	2.01

**09 20 Plaster and Gypsum Board** (09)

**09 22 Supports for Plaster and Gypsum Board** (09 20)

Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.

**09 22 13 Metal Furring** (09 22)

**09 Finishes****09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**09 22 13 13 Metal Channel Furring** (09 22 13)**09 22 13 13-0001 Hat Furring Channel** (09 22 13 13)

Note: Includes clips where required.

**09 22 13 13-0002 Installed On Walls, Hat Furring Channel** (09 22 13 13-0001)

09 22 13 13-0003	SF	7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel .....	4.51	1.68
		For Walls >10' High, Add	0.50	
		For 24" On Center, Deduct	-0.57	
		For 12" On Center, Add	0.73	
		For 22 Gauge, Add	0.58	
		For 20 Gauge, Add	1.27	
09 22 13 13-0004	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel .....	4.97	1.68
		For Walls >10' High, Add	0.50	
		For 24" On Center, Deduct	-0.66	
		For 12" On Center, Add	0.83	
		For 22 Gauge, Add	0.81	
		For 20 Gauge, Add	1.57	

**09 22 13 13-0005 Installed On Columns And Beams, Hat Furring Channel** (09 22 13 13-0001)

09 22 13 13-0006	SF	7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel .....	6.32	2.57
		For Columns And Beams >10' High, Add	1.03	
		For 24" On Center, Deduct	-0.75	
		For 12" On Center, Add	1.01	
		For 22 Gauge, Add	0.58	
		For 20 Gauge, Add	1.54	
09 22 13 13-0007	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel .....	6.79	2.57
		For Columns And Beams >10' High, Add	1.03	
		For 24" On Center, Deduct	-0.84	
		For 12" On Center, Add	1.10	
		For 22 Gauge, Add	0.82	
		For 20 Gauge, Add	1.85	

**09 22 13 13-0008 Installed On Ceilings, Hat Furring Channel** (09 22 13 13-0001)

09 22 13 13-0009	SF	7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel .....	6.05	2.06
		For Ceilings >10' High, Add	0.62	
		For 24" On Center, Deduct	-0.80	
		For 12" On Center, Add	1.00	
		For 22 Gauge, Add	0.97	
		For 20 Gauge, Add	1.89	
09 22 13 13-0010	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel .....	6.51	2.06
		For Ceilings >10' High, Add	0.62	
		For 24" On Center, Deduct	-0.89	
		For 12" On Center, Add	1.10	
		For 22 Gauge, Add	1.20	
		For 20 Gauge, Add	2.20	

**09 22 13 13-0011 Z Furring Channel** (09 22 13 13)**09 22 13 13-0012 Installed On Walls, Z Furring Channel** (09 22 13 13-0011)

09 22 13 13-0013	SF	1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	3.64	1.68
		For Walls >10' High, Add	0.50	
		For 24" On Center, Deduct	-0.39	
		For 12" On Center, Add	0.56	
		For 22 Gauge, Add	0.15	
		For 20 Gauge, Add	0.69	
09 22 13 13-0014	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	3.70	1.68
		For Walls >10' High, Add	0.50	
		For 24" On Center, Deduct	-0.41	
		For 12" On Center, Add	0.57	
		For 22 Gauge, Add	0.18	
		For 20 Gauge, Add	0.73	
09 22 13 13-0015	SF	2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	3.75	1.68
		For Walls >10' High, Add	0.50	
		For 24" On Center, Deduct	-0.42	
		For 12" On Center, Add	0.58	
		For 22 Gauge, Add	0.20	
		For 20 Gauge, Add	0.77	
09 22 13 13-0016	SF	2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	3.79	1.68
		For Walls >10' High, Add	0.50	
		For 24" On Center, Deduct	-0.42	
		For 12" On Center, Add	0.59	
		For 22 Gauge, Add	0.22	
		For 20 Gauge, Add	0.79	
09 22 13 13-0017	SF	3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	3.83	1.68
		For Walls >10' High, Add	0.50	
		For 24" On Center, Deduct	-0.43	
		For 12" On Center, Add	0.60	
		For 22 Gauge, Add	0.24	
		For 20 Gauge, Add	0.82	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Plaster and Gypsum Board	09 20	
Supports for Plaster and Gypsum Board	09 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 22 13 23 Resilient Channel Furring</b> <small>(09 22 13)</small>		
09 22 13 23-0001 Single-Leg Resilient Channel, RC1 Furring Channel <small>(09 22 13 23)</small> Note: Includes clips where required.		
09 22 13 23-0002 Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel <small>(09 22 13 23-0001)</small>		
09 22 13 23-0003 SF 25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel.....	3.97	1.68
For Walls >10' High, Add	0.50	
For 24" On Center, Deduct	-0.46	
For 12" On Center, Add	0.63	
For 20 Gauge, Add	0.91	
09 22 13 23-0004 Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel <small>(09 22 13 23-0001)</small>		
09 22 13 23-0005 SF 25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel.....	4.74	2.06
For Ceilings >10' High, Add	0.62	
For 24" On Center, Deduct	-0.54	
For 12" On Center, Add	0.74	
For 20 Gauge, Add	1.03	
09 22 13 23-0006 Double-Leg Resilient Channel, RC2 Furring Channel <small>(09 22 13 23)</small> Note: Includes clips where required.		
09 22 13 23-0007 Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel <small>(09 22 13 23-0006)</small>		
09 22 13 23-0008 SF 25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel .....	4.20	1.68
For Walls >10' High, Add	0.50	
For 24" On Center, Deduct	-0.51	
For 12" On Center, Add	0.67	
For 20 Gauge, Add	1.06	
09 22 13 23-0009 Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel <small>(09 22 13 23-0006)</small>		
09 22 13 23-0010 SF 25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel .....	4.97	2.06
For Ceilings >10' High, Add	0.62	
For 24" On Center, Deduct	-0.58	
For 12" On Center, Add	0.79	
For 20 Gauge, Add	1.18	
<b>09 22 16 Non-Structural Metal Framing</b> <small>(09 22)</small> Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.		
<b>09 22 16 13 Non-Structural Metal Stud Framing</b> <small>(09 22 16)</small>		
09 22 16 13-0001 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners <small>(09 22 16 13)</small>		
09 22 16 13-0002 SF 1-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.00	0.70
For Powder-Actuated Fasteners Every 2', Add	0.05	
For Walls >10' High, Add	0.60	
For Soffit, Columns Or Beams Up To 10' High, Add	1.69	
For Soffit, Columns Or Beams >10' High, Add	2.21	
For Horizontal Installation Up To 10' High, Add	0.56	
For Horizontal Installation >10' High, Add	0.74	
For Curved Wall, Add	0.52	
For 12" On Center, Add	0.51	
For 24" On Center, Deduct	-0.51	
For Up To 100, Add	0.95	
For >100 To 300, Add	0.47	
For >1,000, Deduct	-0.28	
09 22 16 13-0003 SF 2-1/2" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.24	0.73
For Powder-Actuated Fasteners Every 2', Add	0.05	
For Walls >10' High, Add	0.65	
For Soffit, Columns Or Beams Up To 10' High, Add	1.79	
For Soffit, Columns Or Beams >10' High, Add	2.34	
For Horizontal Installation Up To 10' High, Add	0.60	
For Horizontal Installation >10' High, Add	0.78	
For Curved Wall, Add	0.55	
For 12" On Center, Add	0.56	
For 24" On Center, Deduct	-0.56	
For Up To 100, Add	1.01	
For >100 To 300, Add	0.51	
For >1,000, Deduct	-0.30	

**09 Finishes****09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

09 22 16 13-0004	SF	3-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.54	0.76
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
		<i>For Walls &gt;10' High, Add</i>	0.71	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.89	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.47	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.64	
		<i>For Horizontal Installation &gt;10' High, Add</i>	0.83	
		<i>For Curved Wall, Add</i>	0.58	
		<i>For 12" On Center, Add</i>	0.61	
		<i>For 24" On Center, Deduct</i>	-0.61	
		<i>For Up To 100, Add</i>	1.09	
		<i>For &gt;100 To 300, Add</i>	0.55	
		<i>For &gt;1,000, Deduct</i>	-0.34	
09 22 16 13-0005	SF	4" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.80	0.80
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
		<i>For Walls &gt;10' High, Add</i>	0.76	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.99	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.59	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.68	
		<i>For Horizontal Installation &gt;10' High, Add</i>	0.88	
		<i>For Curved Wall, Add</i>	0.60	
		<i>For 12" On Center, Add</i>	0.66	
		<i>For 24" On Center, Deduct</i>	-0.66	
		<i>For Up To 100, Add</i>	1.16	
		<i>For &gt;100 To 300, Add</i>	0.58	
		<i>For &gt;1,000, Deduct</i>	-0.37	
09 22 16 13-0006	SF	6" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.31	0.84
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
		<i>For Walls &gt;10' High, Add</i>	0.86	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.12	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.75	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.75	
		<i>For Horizontal Installation &gt;10' High, Add</i>	0.96	
		<i>For Curved Wall, Add</i>	0.63	
		<i>For 12" On Center, Add</i>	0.76	
		<i>For 24" On Center, Deduct</i>	-0.76	
		<i>For Up To 100, Add</i>	1.28	
		<i>For &gt;100 To 300, Add</i>	0.64	
		<i>For &gt;1,000, Deduct</i>	-0.44	
09 22 16 13-0007		<b>20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners</b> <small>(09 22 16 13)</small>		
09 22 16 13-0008	SF	1-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.46	0.71
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
		<i>For Walls &gt;10' High, Add</i>	0.69	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.77	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.30	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.61	
		<i>For Horizontal Installation &gt;10' High, Add</i>	0.79	
		<i>For Curved Wall, Add</i>	0.53	
		<i>For 12" On Center, Add</i>	0.60	
		<i>For 24" On Center, Deduct</i>	-0.60	
		<i>For Up To 100, Add</i>	1.05	
		<i>For &gt;100 To 300, Add</i>	0.52	
		<i>For &gt;1,000, Deduct</i>	-0.34	
09 22 16 13-0009	SF	2-1/2" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.86	0.75
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
		<i>For Walls &gt;10' High, Add</i>	0.77	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.89	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.45	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.67	
		<i>For Horizontal Installation &gt;10' High, Add</i>	0.86	
		<i>For Curved Wall, Add</i>	0.56	
		<i>For 12" On Center, Add</i>	0.68	
		<i>For 24" On Center, Deduct</i>	-0.68	
		<i>For Up To 100, Add</i>	1.15	
		<i>For &gt;100 To 300, Add</i>	0.57	
		<i>For &gt;1,000, Deduct</i>	-0.39	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Plaster and Gypsum Board	09 20	
Supports for Plaster and Gypsum Board	09 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0010 SF 3-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.31	0.78
For Powder-Actuated Fasteners Every 2', Add	0.05	
For Walls >10' High, Add	0.86	
For Soffit, Columns Or Beams Up To 10' High, Add	2.01	
For Soffit, Columns Or Beams >10' High, Add	2.60	
For Horizontal Installation Up To 10' High, Add	0.73	
For Horizontal Installation >10' High, Add	0.92	
For Curved Wall, Add	0.59	
For 12" On Center, Add	0.76	
For 24" On Center, Deduct	-0.76	
For Up To 100, Add	1.26	
For >100 To 300, Add	0.63	
For >1,000, Deduct	-0.45	
09 22 16 13-0011 SF 4" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Structural, Galvanized Steel Framing With Tracks And Runners.....	4.61	0.82
For Powder-Actuated Fasteners Every 2', Add	0.05	
For Walls >10' High, Add	0.92	
For Soffit, Columns Or Beams Up To 10' High, Add	2.11	
For Soffit, Columns Or Beams >10' High, Add	2.73	
For Horizontal Installation Up To 10' High, Add	0.77	
For Horizontal Installation >10' High, Add	0.98	
For Curved Wall, Add	0.62	
For 12" On Center, Add	0.82	
For 24" On Center, Deduct	-0.82	
For Up To 100, Add	1.33	
For >100 To 300, Add	0.67	
For >1,000, Deduct	-0.49	
09 22 16 13-0012 SF 6" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.73	0.86
For Powder-Actuated Fasteners Every 2', Add	0.05	
For Walls >10' High, Add	1.35	
For Soffit, Columns Or Beams Up To 10' High, Add	2.40	
For Soffit, Columns Or Beams >10' High, Add	3.05	
For Horizontal Installation Up To 10' High, Add	1.00	
For Horizontal Installation >10' High, Add	1.21	
For Curved Wall, Add	0.65	
For 12" On Center, Add	1.24	
For 24" On Center, Deduct	-1.24	
For Up To 100, Add	1.78	
For >100 To 300, Add	0.89	
For >1,000, Deduct	-0.79	
<b>09 22 16 13-0013 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners</b> (09 22 16 13)		
09 22 16 13-0014 SF 2-1/2" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	5.64	0.76
For Powder-Actuated Fasteners Every 2', Add	0.05	
For Walls >10' High, Add	1.13	
For Soffit, Columns Or Beams Up To 10' High, Add	2.10	
For Soffit, Columns Or Beams >10' High, Add	2.68	
For Horizontal Installation Up To 10' High, Add	0.85	
For Horizontal Installation >10' High, Add	1.04	
For Curved Wall, Add	0.58	
For 12" On Center, Add	1.03	
For 24" On Center, Deduct	-1.03	
For Up To 100, Add	1.51	
For >100 To 300, Add	0.76	
For >1,000, Deduct	-0.65	
09 22 16 13-0015 SF 3-5/8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.29	0.80
For Powder-Actuated Fasteners Every 2', Add	0.05	
For Walls >10' High, Add	1.26	
For Soffit, Columns Or Beams Up To 10' High, Add	2.25	
For Soffit, Columns Or Beams >10' High, Add	2.85	
For Horizontal Installation Up To 10' High, Add	0.93	
For Horizontal Installation >10' High, Add	1.13	
For Curved Wall, Add	0.61	
For 12" On Center, Add	1.16	
For 24" On Center, Deduct	-1.16	
For Up To 100, Add	1.66	
For >100 To 300, Add	0.83	
For >1,000, Deduct	-0.74	

## 09 Finishes

## 09 20 Plaster and Gypsum Board

## 09 22 Supports for Plaster and Gypsum Board



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 22 16 13-0016	SF	4" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.77		0.84
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05		
		<i>For Walls &gt;10' High, Add</i>	1.35		
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.37		
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.00		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.99		
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.20		
		<i>For Curved Wall, Add</i>	0.63		
		<i>For 12" On Center, Add</i>	1.25		
		<i>For 24" On Center, Deduct</i>	-1.25		
		<i>For Up To 100, Add</i>	1.78		
		<i>For &gt;100 To 300, Add</i>	0.89		
		<i>For &gt;1,000, Deduct</i>	-0.80		
09 22 16 13-0017	SF	6" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	9.09		0.88
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05		
		<i>For Walls &gt;10' High, Add</i>	1.82		
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.69		
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.36		
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.24		
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.47		
		<i>For Curved Wall, Add</i>	0.67		
		<i>For 12" On Center, Add</i>	1.71		
		<i>For 24" On Center, Deduct</i>	-1.71		
		<i>For Up To 100, Add</i>	2.26		
		<i>For &gt;100 To 300, Add</i>	1.13		
		<i>For &gt;1,000, Deduct</i>	-1.14		
09 22 16 13-0018	SF	8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	9.94		0.94
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05		
		<i>For Walls &gt;10' High, Add</i>	1.99		
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.86		
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.56		
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.34		
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.58		
		<i>For Curved Wall, Add</i>	0.70		
		<i>For 12" On Center, Add</i>	1.87		
		<i>For 24" On Center, Deduct</i>	-1.87		
		<i>For Up To 100, Add</i>	2.45		
		<i>For &gt;100 To 300, Add</i>	1.23		
		<i>For &gt;1,000, Deduct</i>	-1.26		
09 22 16 13-0019		<b>16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners</b> <small>(09 22 16 13)</small>			
09 22 16 13-0020	SF	2-1/2" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.03		0.78
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05		
		<i>For Walls &gt;10' High, Add</i>	1.21		
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.18		
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.77		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.90		
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.10		
		<i>For Curved Wall, Add</i>	0.59		
		<i>For 12" On Center, Add</i>	1.11		
		<i>For 24" On Center, Deduct</i>	-1.11		
		<i>For Up To 100, Add</i>	1.60		
		<i>For &gt;100 To 300, Add</i>	0.80		
		<i>For &gt;1,000, Deduct</i>	-0.71		
09 22 16 13-0021	SF	3-5/8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	7.20		0.82
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05		
		<i>For Walls &gt;10' High, Add</i>	1.44		
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.37		
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.99		
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.03		
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.24		
		<i>For Curved Wall, Add</i>	0.62		
		<i>For 12" On Center, Add</i>	1.34		
		<i>For 24" On Center, Deduct</i>	-1.34		
		<i>For Up To 100, Add</i>	1.85		
		<i>For &gt;100 To 300, Add</i>	0.93		
		<i>For &gt;1,000, Deduct</i>	-0.87		



<b>Finishes</b>	<b>09</b>	<b>9</b>
<b>Plaster and Gypsum Board</b>	<b>09 20</b>	
<b>Supports for Plaster and Gypsum Board</b>	<b>09 22</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0022	SF		4" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	7.63	0.86
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
			<i>For Walls &gt;10' High, Add</i>	1.53	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.49	
			<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.14	
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.09	
			<i>For Horizontal Installation &gt;10' High, Add</i>	1.30	
			<i>For Curved Wall, Add</i>	0.65	
			<i>For 12" On Center, Add</i>	1.42	
			<i>For 24" On Center, Deduct</i>	-1.42	
			<i>For Up To 100, Add</i>	1.96	
			<i>For &gt;100 To 300, Add</i>	0.98	
			<i>For &gt;1,000, Deduct</i>	-0.93	
09 22 16 13-0023	SF		6" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	9.87	0.91
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
			<i>For Walls &gt;10' High, Add</i>	1.97	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.81	
			<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.50	
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.33	
			<i>For Horizontal Installation &gt;10' High, Add</i>	1.56	
			<i>For Curved Wall, Add</i>	0.68	
			<i>For 12" On Center, Add</i>	1.86	
			<i>For 24" On Center, Deduct</i>	-1.86	
			<i>For Up To 100, Add</i>	2.43	
			<i>For &gt;100 To 300, Add</i>	1.22	
			<i>For &gt;1,000, Deduct</i>	-1.25	
09 22 16 13-0024	SF		8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	10.92	0.96
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
			<i>For Walls &gt;10' High, Add</i>	2.18	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	3.00	
			<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.72	
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.45	
			<i>For Horizontal Installation &gt;10' High, Add</i>	1.69	
			<i>For Curved Wall, Add</i>	0.72	
			<i>For 12" On Center, Add</i>	2.06	
			<i>For 24" On Center, Deduct</i>	-2.06	
			<i>For Up To 100, Add</i>	2.66	
			<i>For &gt;100 To 300, Add</i>	1.33	
			<i>For &gt;1,000, Deduct</i>	-1.40	
09 22 16 13-0025			<b>Galvanized Steel Backing Plates</b> <small>(09 22 16 13)</small>		
			Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.		
09 22 16 13-0026	LF		3" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.42	
09 22 16 13-0027	LF		4" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.73	
09 22 16 13-0028	LF		6" Wide, 25 Gauge Galvanized Steel Backing Plate.....	2.23	
09 22 16 13-0029	LF		8" Wide, 25 Gauge Galvanized Steel Backing Plate.....	2.74	
09 22 16 13-0030	LF		10" Wide, 25 Gauge Galvanized Steel Backing Plate.....	3.23	
09 22 16 13-0031	LF		12" Wide, 25 Gauge Galvanized Steel Backing Plate.....	3.85	
09 22 16 13-0032	LF		3" Wide, 20 Gauge Galvanized Steel Backing Plate.....	1.83	
09 22 16 13-0033	LF		4" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.26	
09 22 16 13-0034	LF		6" Wide, 20 Gauge Galvanized Steel Backing Plate.....	3.03	
09 22 16 13-0035	LF		8" Wide, 20 Gauge Galvanized Steel Backing Plate.....	3.79	
09 22 16 13-0036	LF		10" Wide, 20 Gauge Galvanized Steel Backing Plate.....	4.56	
09 22 16 13-0037	LF		12" Wide, 20 Gauge Galvanized Steel Backing Plate.....	5.43	
09 22 16 13-0038	LF		3" Wide, 16 Gauge Galvanized Steel Backing Plate.....	2.49	
09 22 16 13-0039	LF		4" Wide, 16 Gauge Galvanized Steel Backing Plate.....	3.11	
09 22 16 13-0040	LF		6" Wide, 16 Gauge Galvanized Steel Backing Plate.....	4.23	
09 22 16 13-0041	LF		8" Wide, 16 Gauge Galvanized Steel Backing Plate.....	5.34	
09 22 16 13-0042	LF		10" Wide, 16 Gauge Galvanized Steel Backing Plate.....	6.54	
09 22 16 13-0043	LF		12" Wide, 16 Gauge Galvanized Steel Backing Plate.....	7.72	
09 22 16 13-0044	LF		3" Wide, 14 Gauge Galvanized Steel Backing Plate.....	2.94	
09 22 16 13-0045	LF		4" Wide, 14 Gauge Galvanized Steel Backing Plate.....	3.71	
09 22 16 13-0046	LF		6" Wide, 14 Gauge Galvanized Steel Backing Plate.....	5.12	
09 22 16 13-0047	LF		8" Wide, 14 Gauge Galvanized Steel Backing Plate.....	6.53	
09 22 16 13-0048	LF		10" Wide, 14 Gauge Galvanized Steel Backing Plate.....	8.04	
09 22 16 13-0049	LF		12" Wide, 14 Gauge Galvanized Steel Backing Plate.....	9.51	
09 22 36			<b>Lath</b> <small>(09 22)</small>		
09 22 36 13			<b>Gypsum Lath</b> <small>(09 22 36)</small>		
09 22 36 13-0001			<b>Plaster Base Gypsum Panels</b> <small>(09 22 36 13)</small>		
09 22 36 13-0002	SF		3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.43	0.46
			<i>For Walls &gt;10' High, Add</i>	0.12	
			<i>For Up To 100, Add</i>	0.47	
			<i>For &gt;100 To 500, Add</i>	0.23	
			<i>For &gt;5,000, Deduct</i>	-0.09	

**09 Finishes****09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0003	SF		1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	2.01	0.53
			<i>For Walls &gt;10' High, Add</i>	0.14	
			<i>For Up To 100, Add</i>	0.54	
			<i>For &gt;100 To 500, Add</i>	0.27	
			<i>For &gt;5,000, Deduct</i>	-0.11	
09 22 36 13-0004	SF		5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	2.57	0.62
			<i>For Walls &gt;10' High, Add</i>	0.15	
			<i>For Up To 100, Add</i>	0.62	
			<i>For &gt;100 To 500, Add</i>	0.31	
			<i>For &gt;5,000, Deduct</i>	-0.12	
09 22 36 13-0005	SF		3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel .....	1.80	0.65
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
			<i>For Up To 100, Add</i>	0.65	
			<i>For &gt;100 To 500, Add</i>	0.33	
			<i>For &gt;5,000, Deduct</i>	-0.13	
09 22 36 13-0006	SF		1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel .....	2.43	0.75
			<i>For Ceilings &gt;10' High, Add</i>	0.23	
			<i>For Up To 100, Add</i>	0.75	
			<i>For &gt;100 To 500, Add</i>	0.38	
			<i>For &gt;5,000, Deduct</i>	-0.15	
09 22 36 13-0007	SF		5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel .....	3.06	0.86
			<i>For Ceilings &gt;10' High, Add</i>	0.26	
			<i>For Up To 100, Add</i>	0.86	
			<i>For &gt;100 To 500, Add</i>	0.43	
			<i>For &gt;5,000, Deduct</i>	-0.17	
09 22 36 13-0008	SF		3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	2.17	0.83
			<i>For Columns And Beams &gt;10' High, Add</i>	0.25	
			<i>For Up To 100, Add</i>	0.84	
			<i>For &gt;100 To 500, Add</i>	0.42	
			<i>For &gt;5,000, Deduct</i>	-0.17	
09 22 36 13-0009	SF		1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	2.86	0.97
			<i>For Columns And Beams &gt;10' High, Add</i>	0.29	
			<i>For Up To 100, Add</i>	0.97	
			<i>For &gt;100 To 500, Add</i>	0.48	
			<i>For &gt;5,000, Deduct</i>	-0.19	
09 22 36 13-0010	SF		5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	3.55	1.12
			<i>For Columns And Beams &gt;10' High, Add</i>	0.33	
			<i>For Up To 100, Add</i>	1.11	
			<i>For &gt;100 To 500, Add</i>	0.55	
			<i>For &gt;5,000, Deduct</i>	-0.22	
<b>09 22 36 13-0011</b>			<b>Firestop Plaster Base Gypsum Panels</b> <small>(09 22 36 13)</small>		
09 22 36 13-0012	SF		3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel .....	2.04	0.46
			<i>For Walls &gt;10' High, Add</i>	0.12	
			<i>For Up To 100, Add</i>	0.47	
			<i>For &gt;100 To 500, Add</i>	0.23	
			<i>For &gt;5,000, Deduct</i>	-0.09	
09 22 36 13-0013	SF		1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel .....	2.38	0.53
			<i>For Walls &gt;10' High, Add</i>	0.14	
			<i>For Up To 100, Add</i>	0.54	
			<i>For &gt;100 To 500, Add</i>	0.27	
			<i>For &gt;5,000, Deduct</i>	-0.11	
09 22 36 13-0014	SF		3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	2.41	0.65
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
			<i>For Up To 100, Add</i>	0.65	
			<i>For &gt;100 To 500, Add</i>	0.33	
			<i>For &gt;5,000, Deduct</i>	-0.13	
09 22 36 13-0015	SF		1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	2.80	0.75
			<i>For Ceilings &gt;10' High, Add</i>	0.23	
			<i>For Up To 100, Add</i>	0.75	
			<i>For &gt;100 To 500, Add</i>	0.38	
			<i>For &gt;5,000, Deduct</i>	-0.15	
09 22 36 13-0016	SF		3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	2.78	0.83
			<i>For Columns And Beams &gt;10' High, Add</i>	0.25	
			<i>For Up To 100, Add</i>	0.84	
			<i>For &gt;100 To 500, Add</i>	0.42	
			<i>For &gt;5,000, Deduct</i>	-0.17	
09 22 36 13-0017	SF		1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	3.23	0.97
			<i>For Columns And Beams &gt;10' High, Add</i>	0.29	
			<i>For Up To 100, Add</i>	0.97	
			<i>For &gt;100 To 500, Add</i>	0.48	
			<i>For &gt;5,000, Deduct</i>	-0.19	
<b>09 22 36 13-0018</b>			<b>Foil Back Plaster Base Gypsum Panels</b> <small>(09 22 36 13)</small>		
09 22 36 13-0019	SF		3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel .....	2.04	0.46
			<i>For Walls &gt;10' High, Add</i>	0.12	
			<i>For Up To 100, Add</i>	0.47	
			<i>For &gt;100 To 500, Add</i>	0.23	
			<i>For &gt;5,000, Deduct</i>	-0.09	
09 22 36 13-0020	SF		1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel .....	2.38	0.53
			<i>For Walls &gt;10' High, Add</i>	0.14	
			<i>For Up To 100, Add</i>	0.54	
			<i>For &gt;100 To 500, Add</i>	0.27	
			<i>For &gt;5,000, Deduct</i>	-0.11	





<b>Finishes</b>	<b>09</b>	<b>9</b>
<b>Plaster and Gypsum Board</b>	<b>09 20</b>	
<b>Supports for Plaster and Gypsum Board</b>	<b>09 22</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0021 SF 3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel.....	2.41	0.65
For Ceilings >10' High, Add	0.20	
For Up To 100, Add	0.65	
For >100 To 500, Add	0.33	
For >5,000, Deduct	-0.13	
09 22 36 13-0022 SF 1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel.....	2.80	0.75
For Ceilings >10' High, Add	0.23	
For Up To 100, Add	0.75	
For >100 To 500, Add	0.38	
For >5,000, Deduct	-0.15	
09 22 36 13-0023 SF 3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel.....	2.78	0.83
For Columns And Beams >10' High, Add	0.25	
For Up To 100, Add	0.84	
For >100 To 500, Add	0.42	
For >5,000, Deduct	-0.17	
09 22 36 13-0024 SF 1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel.....	3.23	0.97
For Columns And Beams >10' High, Add	0.29	
For Up To 100, Add	0.97	
For >100 To 500, Add	0.48	
For >5,000, Deduct	-0.19	
<b>09 22 36 23 Metal Lath (09 22 36)</b>		
<b>09 22 36 23-0001 Flat Diamond, Expanded Metal Lath (09 22 36 23)</b>		
09 22 36 23-0002 SF 1.75 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath .....	2.37	0.64
For Walls >10' High, Add	0.18	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.72	
For >100 To 500, Add	0.36	
For >5,000, Deduct	-0.14	
09 22 36 23-0003 SF 2 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath .....	2.49	0.64
For Walls >10' High, Add	0.18	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.72	
For >100 To 500, Add	0.36	
For >5,000, Deduct	-0.14	
09 22 36 23-0004 SF 2.5 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath .....	2.61	0.64
For Walls >10' High, Add	0.18	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.72	
For >100 To 500, Add	0.36	
For >5,000, Deduct	-0.14	
09 22 36 23-0005 SF 3.4 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath .....	3.01	0.68
For Walls >10' High, Add	0.19	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.77	
For >100 To 500, Add	0.38	
For >5,000, Deduct	-0.15	
09 22 36 23-0006 SF 1.75 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	2.58	0.73
For Ceilings >10' High, Add	0.25	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.82	
For >100 To 500, Add	0.41	
For >5,000, Deduct	-0.16	
09 22 36 23-0007 SF 2 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	2.70	0.73
For Ceilings >10' High, Add	0.25	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.82	
For >100 To 500, Add	0.41	
For >5,000, Deduct	-0.16	
09 22 36 23-0008 SF 2.5 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	2.82	0.73
For Ceilings >10' High, Add	0.25	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.82	
For >100 To 500, Add	0.41	
For >5,000, Deduct	-0.16	
09 22 36 23-0009 SF 3.4 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	3.12	0.73
For Ceilings >10' High, Add	0.25	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.82	
For >100 To 500, Add	0.41	
For >5,000, Deduct	-0.16	
09 22 36 23-0010 SF 1.75 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	3.39	1.04
For Columns And Beams >10' High, Add	0.34	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	1.15	
For >100 To 500, Add	0.57	
For >5,000, Deduct	-0.23	
09 22 36 23-0011 SF 2 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	3.51	1.04
For Columns And Beams >10' High, Add	0.34	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	1.15	
For >100 To 500, Add	0.57	
For >5,000, Deduct	-0.23	

**09 Finishes****09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0012	SF		2.5 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath .....	3.63	1.04
			<i>For Columns And Beams &gt;10' High, Add</i>	0.34	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.15	
			<i>For &gt;100 To 500, Add</i>	0.57	
			<i>For &gt;5,000, Deduct</i>	-0.23	
09 22 36 23-0013	SF		3.4 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath .....	4.52	1.30
			<i>For Columns And Beams &gt;10' High, Add</i>	0.43	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.44	
			<i>For &gt;100 To 500, Add</i>	0.72	
			<i>For &gt;5,000, Deduct</i>	-0.29	
<b>09 22 36 23-0014</b>			<b>Self Furring, Flat Diamond, Expanded Metal Lath</b> <small>(09 22 36 23)</small>		
09 22 36 23-0015	SF		1.75 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath .....	2.47	0.68
			<i>For Walls &gt;10' High, Add</i>	0.19	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.77	
			<i>For &gt;100 To 500, Add</i>	0.38	
			<i>For &gt;5,000, Deduct</i>	-0.15	
09 22 36 23-0016	SF		2.0 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath .....	2.59	0.68
			<i>For Walls &gt;10' High, Add</i>	0.19	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.77	
			<i>For &gt;100 To 500, Add</i>	0.38	
			<i>For &gt;5,000, Deduct</i>	-0.15	
09 22 36 23-0017	SF		2.5 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath .....	2.71	0.68
			<i>For Walls &gt;10' High, Add</i>	0.19	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.77	
			<i>For &gt;100 To 500, Add</i>	0.38	
			<i>For &gt;5,000, Deduct</i>	-0.15	
09 22 36 23-0018	SF		3.4 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath .....	3.01	0.68
			<i>For Walls &gt;10' High, Add</i>	0.19	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.77	
			<i>For &gt;100 To 500, Add</i>	0.38	
			<i>For &gt;5,000, Deduct</i>	-0.15	
09 22 36 23-0019	SF		1.75 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath .....	3.97	1.30
			<i>For Columns And Beams &gt;10' High, Add</i>	0.43	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.44	
			<i>For &gt;100 To 500, Add</i>	0.72	
			<i>For &gt;5,000, Deduct</i>	-0.29	
09 22 36 23-0020	SF		2.0 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath .....	4.09	1.30
			<i>For Columns And Beams &gt;10' High, Add</i>	0.43	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.44	
			<i>For &gt;100 To 500, Add</i>	0.72	
			<i>For &gt;5,000, Deduct</i>	-0.29	
09 22 36 23-0021	SF		2.5 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath .....	4.21	1.30
			<i>For Columns And Beams &gt;10' High, Add</i>	0.43	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.44	
			<i>For &gt;100 To 500, Add</i>	0.72	
			<i>For &gt;5,000, Deduct</i>	-0.29	
09 22 36 23-0022	SF		3.4 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath .....	4.93	1.48
			<i>For Columns And Beams &gt;10' High, Add</i>	0.49	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.64	
			<i>For &gt;100 To 500, Add</i>	0.82	
			<i>For &gt;5,000, Deduct</i>	-0.33	
<b>09 22 36 23-0023</b>			<b>High Rib Metal Lath</b> <small>(09 22 36 23)</small>		
09 22 36 23-0024	SF		2.75 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath .....	2.92	0.73
			<i>For Ceilings &gt;10' High, Add</i>	0.25	
			<i>For Up To 100, Add</i>	0.82	
			<i>For &gt;100 To 500, Add</i>	0.41	
			<i>For &gt;5,000, Deduct</i>	-0.16	
09 22 36 23-0025	SF		3.4 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath .....	3.09	0.73
			<i>For Ceilings &gt;10' High, Add</i>	0.25	
			<i>For Up To 100, Add</i>	0.82	
			<i>For &gt;100 To 500, Add</i>	0.41	
			<i>For &gt;5,000, Deduct</i>	-0.16	
09 22 36 23-0026	SF		3.4 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath .....	3.20	0.73
			<i>For Ceilings &gt;10' High, Add</i>	0.25	
			<i>For Up To 100, Add</i>	0.82	
			<i>For &gt;100 To 500, Add</i>	0.41	
			<i>For &gt;5,000, Deduct</i>	-0.16	
09 22 36 23-0027	SF		4.0 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath .....	3.39	0.73
			<i>For Ceilings &gt;10' High, Add</i>	0.25	
			<i>For Up To 100, Add</i>	0.82	
			<i>For &gt;100 To 500, Add</i>	0.41	
			<i>For &gt;5,000, Deduct</i>	-0.16	



<b>Finishes</b>	<b>09</b>	<b>9</b>
<b>Plaster and Gypsum Board</b>	<b>09 20</b>	
<b>Supports for Plaster and Gypsum Board</b>	<b>09 22</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**09 22 36 33    Fiberglass Lath** (09 22 36)

**09 22 36 33-0001    Non-Metallic, Fiberglass Lath** (09 22 36 33)

09 22 36 33-0002	SF    1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath.....	3.19	0.73
	<i>For Ceilings &gt;10' High, Add</i>	0.25	
	<i>For Up To 100, Add</i>	0.82	
	<i>For &gt;100 To 500, Add</i>	0.41	
	<i>For &gt;5,000, Deduct</i>	-0.16	
09 22 36 33-0003	SF    1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath.....	3.41	0.73
	<i>For Ceilings &gt;10' High, Add</i>	0.25	
	<i>For Up To 100, Add</i>	0.82	
	<i>For &gt;100 To 500, Add</i>	0.41	
	<i>For &gt;5,000, Deduct</i>	-0.16	
09 22 36 33-0004	SF    1/4" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath .....	3.08	0.68
	<i>For Walls &gt;10' High, Add</i>	0.19	
	<i>For Up To 100, Add</i>	0.77	
	<i>For &gt;100 To 500, Add</i>	0.38	
	<i>For &gt;5,000, Deduct</i>	-0.15	
09 22 36 33-0005	SF    1/4" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath .....	3.30	0.68
	<i>For Walls &gt;10' High, Add</i>	0.19	
	<i>For Up To 100, Add</i>	0.77	
	<i>For &gt;100 To 500, Add</i>	0.38	
	<i>For &gt;5,000, Deduct</i>	-0.15	

**09 23    Gypsum Plastering** (09 20)

**09 23 13    Acoustical Gypsum Plastering** (09 23)

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.

**09 23 13 00-0001    Casing And Corner Beads** (09 23 13)

09 23 13 00-0002	LF    Galvanized Expanded Flange Casing Bead For Plaster Applications.....	4.30	1.04
09 23 13 00-0003	LF    Zinc Expanded Flange Casing Bead For Plaster Applications.....	4.31	1.04
09 23 13 00-0004	LF    Vinyl Expanded Flange Casing Bead For Plaster Applications.....	4.27	1.04
09 23 13 00-0005	LF    Galvanized Corner Bead For Plaster Applications.....	4.12	1.04
09 23 13 00-0006	LF    Vinyl Corner Bead For Plaster Applications.....	4.02	1.04

**09 23 13 00-0007    Trim** (09 23 13)

09 23 13 00-0008	LF    Galvanized "J" Trim For Plaster Applications.....	4.67	1.04
	<i>For Vinyl Instead Of Galvanized, Add</i>	0.31	
	<i>For Zinc Instead Of Galvanized, Add</i>	2.04	
09 23 13 00-0009	LF    Galvanized "L" Trim For Plaster Applications .....	4.67	1.04
	<i>For Vinyl Instead Of Galvanized, Add</i>	0.31	
	<i>For Zinc Instead Of Galvanized, Add</i>	2.04	
09 23 13 00-0010	LF    Galvanized "U" Trim For Plaster Applications.....	4.67	1.04
	<i>For Vinyl Instead Of Galvanized, Add</i>	0.31	
	<i>For Zinc Instead Of Galvanized, Add</i>	2.04	

**09 23 13 00-0011    Plaster Forms And Expansion Joints** (09 23 13)

09 23 13 00-0012	LF    3/4" Galvanized Expansion Joint For Plaster Applications.....	5.14	1.04
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**09 23 13 00-0013    One Skim Coat Gypsum Plaster On Walls** (09 23 13)

09 23 13 00-0014	SF    Skim Coat One Coat Gypsum Plaster On Walls .....	1.22	
	<i>For Walls &gt;10' High, Add</i>	0.11	
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.16	
	<i>For Horizontal Installation &gt;10' High, Add</i>	0.32	
	<i>For Columns Or Beams Up To 10' High, Add</i>	0.33	
	<i>For Columns Or Beams &gt;10' High, Add</i>	0.48	
	<i>For Up To 100, Add</i>	0.53	
	<i>For &gt;100 To 500, Add</i>	0.26	
	<i>For &gt;5,000, Deduct</i>	-0.21	
09 23 13 00-0015	SF    For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls .....	0.88	
	<i>For Walls &gt;10' High, Add</i>	0.08	
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.11	
	<i>For Horizontal Installation &gt;10' High, Add</i>	0.23	
	<i>For Columns Or Beams Up To 10' High, Add</i>	0.23	
	<i>For Columns Or Beams &gt;10' High, Add</i>	0.35	
	<i>For Up To 100, Add</i>	0.38	
	<i>For &gt;100 To 500, Add</i>	0.19	
	<i>For &gt;5,000, Deduct</i>	-0.15	

**09 23 13 00-0016    Two Coats Gypsum Plaster On Walls** (09 23 13)

**09 Finishes****09 20 Plaster and Gypsum Board****09 23 Gypsum Plastering**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0017	SF		Smooth Finish Two Coats Gypsum Plaster On Walls.....	6.03	3.46
			For Walls >10' High, Add	0.57	
			For Horizontal Installation Up To 10' High, Add	0.86	
			For Horizontal Installation >10' High, Add	1.72	
			For Columns Or Beams Up To 10' High, Add	1.77	
			For Columns Or Beams >10' High, Add	2.63	
			For Up To 100, Add	2.86	
			For >100 To 500, Add	1.43	
			For >5,000, Deduct	-1.14	
09 23 13 00-0018	SF		Sand Aggregate Two Coats Gypsum Plaster On Walls.....	6.11	3.28
			For Walls >10' High, Add	0.54	
			For Horizontal Installation Up To 10' High, Add	0.80	
			For Horizontal Installation >10' High, Add	1.61	
			For Columns Or Beams Up To 10' High, Add	1.66	
			For Columns Or Beams >10' High, Add	2.47	
			For Up To 100, Add	2.68	
			For >100 To 500, Add	1.34	
			For >5,000, Deduct	-1.07	
09 23 13 00-0019	SF		Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls.....	6.18	3.28
			For Walls >10' High, Add	0.54	
			For Horizontal Installation Up To 10' High, Add	0.80	
			For Horizontal Installation >10' High, Add	1.61	
			For Columns Or Beams Up To 10' High, Add	1.66	
			For Columns Or Beams >10' High, Add	2.47	
			For Up To 100, Add	2.68	
			For >100 To 500, Add	1.34	
			For >5,000, Deduct	-1.07	
<b>09 23 13 00-0020</b>			<b>Three Coats Gypsum Plaster On Walls (09 23 13)</b>		
09 23 13 00-0021	SF		Smooth Finish Three Coats Gypsum Plaster On Walls.....	7.27	4.21
			For Walls >10' High, Add	0.68	
			For Horizontal Installation Up To 10' High, Add	1.02	
			For Horizontal Installation >10' High, Add	2.05	
			For Columns Or Beams Up To 10' High, Add	2.11	
			For Columns Or Beams >10' High, Add	3.14	
			For Up To 100, Add	3.41	
			For >100 To 500, Add	1.71	
			For >5,000, Deduct	-1.36	
09 23 13 00-0022	SF		Sand Aggregate Three Coats Gypsum Plaster On Walls.....	7.23	3.84
			For Walls >10' High, Add	0.63	
			For Horizontal Installation Up To 10' High, Add	0.95	
			For Horizontal Installation >10' High, Add	1.90	
			For Columns Or Beams Up To 10' High, Add	1.97	
			For Columns Or Beams >10' High, Add	2.92	
			For Up To 100, Add	3.17	
			For >100 To 500, Add	1.59	
			For >5,000, Deduct	-1.27	
09 23 13 00-0023	SF		Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls.....	6.85	3.84
			For Walls >10' High, Add	0.63	
			For Horizontal Installation Up To 10' High, Add	0.95	
			For Horizontal Installation >10' High, Add	1.89	
			For Columns Or Beams Up To 10' High, Add	1.95	
			For Columns Or Beams >10' High, Add	2.90	
			For Up To 100, Add	3.15	
			For >100 To 500, Add	1.58	
			For >5,000, Deduct	-1.26	
<b>09 23 13 00-0024</b>			<b>Plaster Bonding Agent (09 23 13)</b>		
09 23 13 00-0025	SF		1 Coat, Brush/Roller Applied Plaster Bonding Agent.....	0.67	
			For Walls >10' High, Add	0.05	
			For Columns Or Beams Up To 10' High, Add	0.17	
			For Columns Or Beams >10' High, Add	0.25	
			For Ceiling Application Up To 10' High, Add	0.07	
			For Ceiling Application >10' High, Add	0.13	
<b>09 24</b>			<b>Cement Plastering (09 20)</b>		
<b>09 24 13</b>			<b>Acoustical Cement Plastering (09 24)</b>		
09 24 13 00-0001			<b>Keene's Cement Plaster, Quick Setting, White Hard Plaster (09 24 13)</b>		
			Note: Used for areas with higher than normal moisture.		
09 24 13 00-0002	SF		1 Coat Keene's Cement Plaster On Walls.....	4.66	2.35
			For Walls >10' High, Add	0.38	
			For Horizontal Installation Up To 10' High, Add	0.56	
			For Horizontal Installation >10' High, Add	1.13	
			For Columns Or Beams Up To 10' High, Add	1.16	
			For Columns Or Beams >10' High, Add	1.73	
			For Up To 100, Add	1.88	
			For >100 To 500, Add	0.94	
			For >5,000, Deduct	-0.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 24 13 00-0003 SF 2 Coat Keene's Cement Plaster On Walls .....	7.09	3.66
<i>For Walls &gt;10' High, Add</i>	0.59	
<i>For Horizontal Installation Up To 10' High, Add</i>	0.89	
<i>For Horizontal Installation &gt;10' High, Add</i>	1.78	
<i>For Columns Or Beams Up To 10' High, Add</i>	1.84	
<i>For Columns Or Beams &gt;10' High, Add</i>	2.73	
<i>For Up To 100, Add</i>	2.97	
<i>For &gt;100 To 500, Add</i>	1.49	
<i>For &gt;5,000, Deduct</i>	-1.19	
09 24 13 00-0004 SF 3 Coat Keene's Cement Plaster On Walls .....	8.02	4.12
<i>For Walls &gt;10' High, Add</i>	0.67	
<i>For Horizontal Installation Up To 10' High, Add</i>	1.01	
<i>For Horizontal Installation &gt;10' High, Add</i>	2.02	
<i>For Columns Or Beams Up To 10' High, Add</i>	2.08	
<i>For Columns Or Beams &gt;10' High, Add</i>	3.09	
<i>For Up To 100, Add</i>	3.36	
<i>For &gt;100 To 500, Add</i>	1.68	
<i>For &gt;5,000, Deduct</i>	-1.34	

**09 24 23 Cement Stucco** (09 24)

Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

09 24 23 00-0001 <b>Stucco</b> <small>(09 24 23)</small>		
Note: Excludes wall scaffolding or lifting equipment.		
09 24 23 00-0002 SF Scratch/Brown/Finish, Three Coat Troweled Stucco .....	9.01	2.90
Note: Excludes lath and felt. Interior or exterior, one side.		
<i>For Walls &gt;10' High, Add</i>	0.79	
<i>For Horizontal Installation Up To 10' High, Add</i>	1.19	
<i>For Horizontal Installation &gt;10' High, Add</i>	2.38	
<i>For Columns Or Beams Up To 10' High, Add</i>	2.46	
<i>For Columns Or Beams &gt;10' High, Add</i>	3.65	
<i>For Color Added To Finish Coat, Add</i>	0.15	
<i>For Smooth Float Finish, Add</i>	1.67	
<i>For Up To 100, Add</i>	3.97	
<i>For &gt;100 To 500, Add</i>	1.99	
<i>For &gt;5,000, Deduct</i>	-1.59	
09 24 23 00-0003 SF Scratch/Brown, Two Coat Troweled Stucco .....	3.84	1.40
Note: Excludes lath and felt. Interior or exterior, one side.		
<i>For Walls &gt;10' High, Add</i>	0.29	
<i>For Horizontal Installation Up To 10' High, Add</i>	0.44	
<i>For Horizontal Installation &gt;10' High, Add</i>	0.87	
<i>For Columns Or Beams Up To 10' High, Add</i>	0.90	
<i>For Columns Or Beams &gt;10' High, Add</i>	1.33	
<i>For Up To 100, Add</i>	1.45	
<i>For &gt;100 To 500, Add</i>	0.73	
<i>For &gt;5,000, Deduct</i>	-0.58	
09 24 23 00-0004 SF Scratch/Finish, Two Coat Troweled Stucco .....	5.94	1.40
Note: Excludes lath and felt. Interior or exterior, one side.		
<i>For Walls &gt;10' High, Add</i>	0.52	
<i>For Horizontal Installation Up To 10' High, Add</i>	0.77	
<i>For Horizontal Installation &gt;10' High, Add</i>	1.55	
<i>For Columns Or Beams Up To 10' High, Add</i>	1.60	
<i>For Columns Or Beams &gt;10' High, Add</i>	2.37	
<i>For Color Added To Finish Coat, Add</i>	0.15	
<i>For Smooth Float Finish, Add</i>	1.42	
<i>For Up To 100, Add</i>	2.58	
<i>For &gt;100 To 500, Add</i>	1.29	
<i>For &gt;5,000, Deduct</i>	-1.03	
09 24 23 00-0005 SF Finish Coat Troweled Stucco .....	3.88	0.93
Note: Excludes lath and felt. Interior or exterior, one side.		
<i>For Walls &gt;10' High, Add</i>	0.38	
<i>For Horizontal Installation Up To 10' High, Add</i>	0.56	
<i>For Horizontal Installation &gt;10' High, Add</i>	1.13	
<i>For Columns Or Beams Up To 10' High, Add</i>	1.16	
<i>For Columns Or Beams &gt;10' High, Add</i>	1.73	
<i>For Color Added To Finish Coat, Add</i>	0.15	
<i>For Smooth Float Finish, Add</i>	1.42	
<i>For Up To 100, Add</i>	1.88	
<i>For &gt;100 To 500, Add</i>	0.94	
<i>For &gt;5,000, Deduct</i>	-0.75	

**09 24 33 Cement Parging** (09 24)

09 24 33 00-0001 <b>Cement Parging</b> <small>(09 24 33)</small>		
09 24 33 00-0002 SF 1/8" Thick Sand And Cement Parging .....	3.58	
09 24 33 00-0003 SF 1/4" Thick Sand And Cement Parging .....	4.57	
09 24 33 00-0004 SF 1/2" Thick Sand And Cement Parging .....	5.70	

**09 28 Backing Boards and Underlayments** (09 20)

**09 28 13 Cementitious Backing Boards** (09 28)

**09 Finishes****09 20 Plaster and Gypsum Board****09 28 Backing Boards and Underlayments**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 28 13 00-0001			<b>Cementitious Backer Units</b> <small>(09 28 13)</small> Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 13 00-0002	SF		1/4" Cementitious Backer Units For Installation On Floors .....	4.13	0.68
			For Up To 50, Add	3.08	
			For >50 To 250, Add	0.55	
			For >1,000, Deduct	-0.27	
			For Installation On Wall, Add	0.55	
			For Installation On Ceiling, Add	1.37	
09 28 13 00-0003	SF		1/2" Cementitious Backer Units For Installation On Floors .....	4.72	0.82
			For Up To 50, Add	3.63	
			For >50 To 250, Add	0.65	
			For >1,000, Deduct	-0.33	
			For Installation On Wall, Add	0.65	
			For Installation On Ceiling, Add	1.64	
09 28 13 00-0004	SF		5/8" Cementitious Backer Units For Installation On Floors .....	5.87	0.96
			For Up To 50, Add	4.33	
			For >50 To 250, Add	0.76	
			For >1,000, Deduct	-0.38	
			For Installation On Wall, Add	0.76	
			For Installation On Ceiling, Add	1.91	
<b>09 28 16</b>			<b>Glass-Mat Faced Gypsum Backing Boards</b> <small>(09 28)</small>		
09 28 16 00-0001			<b>Glass Mat Faced Backer Units, DensShield</b> <small>(09 28 16)</small> Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 16 00-0002	SF		1/2" DensShield Tile Backer For Installation On Floors .....	3.28	0.77
			For Up To 50, Add	2.29	
			For >50 To 250, Add	0.39	
			For >1,000, Deduct	-0.20	
			For Installation On Wall, Add	0.39	
			For Installation On Ceiling, Add	0.98	
09 28 16 00-0003	SF		5/8" DensShield Tile Backer For Installation On Floors .....	3.96	0.88
			For Up To 50, Add	2.63	
			For >50 To 250, Add	0.44	
			For >1,000, Deduct	-0.22	
			For Installation On Wall, Add	0.44	
			For Installation On Ceiling, Add	1.09	
09 29			<b>Gypsum Board</b> <small>(09 29)</small> Note: Do not deduct for opens of less than 25 SF when calculating total wall square footage.		
<b>09 29 10</b>			<b>Gypsum Board</b> <small>(09 29)</small>		
09 29 10 00-0001			<b>Standard Gypsum Board Application</b> <small>(09 29 10)</small> Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc.. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.		
09 29 10 00-0002			<b>Standard Gypsum Board Application</b> <small>(09 29 10 00-0001)</small>		
09 29 10 00-0003	SF		1/4" Gypsum Board.....	1.33	0.43
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.21	
			For Adhesive Applied Sheets, Add	0.10	
			Note: Includes bracing until adhesive is bonded		
			For Horizontal Installation Up To 10' High, Add	0.30	
			For Horizontal Installation >10' High, Add	0.44	
			For Walls >10' High, Add	0.07	
			For Up To 128, Add	0.44	
			For >128 To 320, Add	0.27	
			For >1,536, Deduct	-0.11	
09 29 10 00-0004	SF		3/8" Gypsum Board.....	1.43	0.49
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.23	
			For Adhesive Applied Sheets, Add	0.11	
			Note: Includes bracing until adhesive is bonded		
			For Foil Back Board, Add	0.10	
			For Horizontal Installation Up To 10' High, Add	0.33	
			For Horizontal Installation >10' High, Add	0.49	
			For Walls >10' High, Add	0.08	
			For Up To 128, Add	0.48	
			For >128 To 320, Add	0.29	
			For >1,536, Deduct	-0.12	
09 29 10 00-0005	SF		1/2" Gypsum Board.....	1.58	0.56
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.26	
			For Adhesive Applied Sheets, Add	0.12	
			Note: Includes bracing until adhesive is bonded		
			For Foil Back Board, Add	0.10	
			For Horizontal Installation Up To 10' High, Add	0.38	
			For Horizontal Installation >10' High, Add	0.57	
			For Walls >10' High, Add	0.09	
			For Up To 128, Add	0.54	
			For >128 To 320, Add	0.33	
			For >1,536, Deduct	-0.12	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Plaster and Gypsum Board	09 20	
Gypsum Board	09 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0006 SF 5/8" Gypsum Board.....	1.85	0.64
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.30	
For Adhesive Applied Sheets, Add	0.13	
Note: Includes bracing until adhesive is bonded		
For Foil Back Board, Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.44	
For Horizontal Installation >10' High, Add	0.65	
For Walls >10' High, Add	0.10	
For Up To 128, Add	0.63	
For >128 To 320, Add	0.38	
For >1,536, Deduct	-0.15	
<b>09 29 10 00-0007 Fire Rated Gypsum Board Application (09 29 10 00-0001)</b>		
<b>09 29 10 00-0008 Type X, Fire Rated Gypsum Board (09 29 10 00-0007)</b>		
09 29 10 00-0009 SF 5/8" Type X Fire Rated Gypsum Board.....	1.97	0.64
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.33	
For Adhesive Applied Sheets, Add	0.13	
Note: Includes bracing until adhesive is bonded		
For Foil Back Board, Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.49	
For Horizontal Installation >10' High, Add	0.72	
For Walls >10' High, Add	0.11	
For Up To 128, Add	0.68	
For >128 To 320, Add	0.41	
For >1,536, Deduct	-0.15	
<b>09 29 10 00-0010 Type C, Fire Rated Gypsum Board (09 29 10 00-0007)</b>		
09 29 10 00-0011 SF 1/2" Type C Fire Rated Gypsum Board.....	1.81	0.56
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.29	
For Adhesive Applied Sheets, Add	0.12	
Note: Includes bracing until adhesive is bonded		
For Foil Back Board, Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.42	
For Horizontal Installation >10' High, Add	0.62	
For Walls >10' High, Add	0.10	
For Up To 128, Add	0.61	
For >128 To 320, Add	0.37	
For >1,536, Deduct	-0.15	
09 29 10 00-0012 SF 5/8" Type C Fire Rated Gypsum Board.....	2.03	0.64
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.33	
For Adhesive Applied Sheets, Add	0.13	
Note: Includes bracing until adhesive is bonded		
For Foil Back Board, Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.49	
For Horizontal Installation >10' High, Add	0.72	
For Walls >10' High, Add	0.11	
For Up To 128, Add	0.69	
For >128 To 320, Add	0.42	
For >1,536, Deduct	-0.16	
<b>09 29 10 00-0013 Fire Rated Gypsum Board (Sheetrock® Ultracode®) (09 29 10 00-0007)</b>		
09 29 10 00-0014 SF 3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®).....	2.80	0.64
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.34	
For Adhesive Applied Sheets, Add	0.13	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.49	
For Horizontal Installation >10' High, Add	0.72	
For Walls >10' High, Add	0.11	
For Up To 128, Add	0.85	
For >128 To 320, Add	0.49	
For >1,536, Deduct	-0.28	
<b>09 29 10 00-0015 Moisture Resistant Gypsum Board Application (09 29 10 00-0001)</b>		
Note: Water-resistant gypsum core.		
09 29 10 00-0016 SF 1/2" Moisture Resistant Gypsum Board.....	1.72	0.56
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.27	
For Adhesive Applied Sheets, Add	0.12	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.38	
For Horizontal Installation >10' High, Add	0.57	
For Walls >10' High, Add	0.09	
For Up To 128, Add	0.57	
For >128 To 320, Add	0.34	
For >1,536, Deduct	-0.15	

**09 Finishes****09 20 Plaster and Gypsum Board****09 29 Gypsum Board**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0017 SF 5/8" Moisture Resistant Gypsum Board .....	2.23	0.56
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.31	
For Adhesive Applied Sheets, Add	0.13	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.44	
For Horizontal Installation >10' High, Add	0.65	
For Walls >10' High, Add	0.10	
For Up To 128, Add	0.71	
For >128 To 320, Add	0.42	
For >1,536, Deduct	-0.20	
<b>09 29 10 00-0018 Vinyl Faced Gypsum Board Application (09 29 10 00-0001)</b>		
Note: Includes clips and adhesive.		
09 29 10 00-0019 SF 3/8" Prefinished, Vinyl Faced Gypsum Board .....	3.42	0.43
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.25	
For Adhesive Applied Sheets, Add	0.11	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.33	
For Horizontal Installation >10' High, Add	0.49	
For Walls >10' High, Add	0.08	
For Up To 128, Add	0.88	
For >128 To 320, Add	0.49	
For >1,536, Deduct	-0.42	
09 29 10 00-0020 SF 1/2" Prefinished, Vinyl Faced Gypsum Board .....	3.57	0.56
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.28	
For Adhesive Applied Sheets, Add	0.12	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.38	
For Horizontal Installation >10' High, Add	0.57	
For Walls >10' High, Add	0.09	
For Up To 128, Add	0.94	
For >128 To 320, Add	0.53	
For >1,536, Deduct	-0.42	
09 29 10 00-0021 SF 5/8" Prefinished, Vinyl Faced Gypsum Board .....	3.74	0.64
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.32	
For Adhesive Applied Sheets, Add	0.13	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.44	
For Horizontal Installation >10' High, Add	0.65	
For Walls >10' High, Add	0.10	
For Up To 128, Add	1.01	
For >128 To 320, Add	0.57	
For >1,536, Deduct	-0.43	
09 29 10 00-0022 SF 1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board.....	4.11	0.56
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.31	
For Adhesive Applied Sheets, Add	0.12	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.42	
For Horizontal Installation >10' High, Add	0.62	
For Walls >10' High, Add	0.10	
For Up To 128, Add	1.07	
For >128 To 320, Add	0.60	
For >1,536, Deduct	-0.49	
09 29 10 00-0023 SF 5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board.....	6.21	0.64
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.38	
For Adhesive Applied Sheets, Add	0.13	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.49	
For Horizontal Installation >10' High, Add	0.72	
For Walls >10' High, Add	0.11	
For Up To 128, Add	1.53	
For >128 To 320, Add	0.84	
For >1,536, Deduct	-0.79	
<b>09 29 10 00-0024 Moisture And Mold Resistant Gypsum Board Application (09 29 10 00-0001)</b>		
09 29 10 00-0025 SF 1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™) .....	2.01	0.54
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.27	
For Adhesive Applied Sheets, Add	0.12	
Note: Includes bracing until adhesive is bonded		
For Non-reinforced Board, Deduct	-0.08	
For Horizontal Installation Up To 10' High, Add	0.38	
For Horizontal Installation >10' High, Add	0.57	
For Walls >10' High, Add	0.09	
For Up To 128, Add	0.63	
For >128 To 320, Add	0.37	
For >1,536, Deduct	-0.19	





<b>Finishes</b>	<b>09</b>	<b>9</b>
Plaster and Gypsum Board	09 20	
Gypsum Board	09 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0026 SF 5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™).....	2.38	0.62
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.31	
For Adhesive Applied Sheets, Add	0.13	
Note: Includes bracing until adhesive is bonded		
For Non-reinforced Board, Deduct	-0.08	
For Horizontal Installation Up To 10' High, Add	0.44	
For Horizontal Installation >10' High, Add	0.65	
For Walls >10' High, Add	0.10	
For Up To 128, Add	0.74	
For >128 To 320, Add	0.43	
For >1,536, Deduct	-0.23	
09 29 10 00-0027 SF 1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™).....	2.38	0.54
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.30	
For Adhesive Applied Sheets, Add	0.12	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.42	
For Horizontal Installation >10' High, Add	0.62	
For Walls >10' High, Add	0.10	
For Up To 128, Add	0.72	
For >128 To 320, Add	0.42	
For >1,536, Deduct	-0.23	
09 29 10 00-0028 SF 5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™).....	2.67	0.62
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.34	
For Adhesive Applied Sheets, Add	0.13	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.49	
For Horizontal Installation >10' High, Add	0.72	
For Walls >10' High, Add	0.11	
For Up To 128, Add	0.82	
For >128 To 320, Add	0.48	
For >1,536, Deduct	-0.26	
<b>09 29 10 00-0029 Impact Resistant Gypsum Board</b> (09 29 10 00-0001)		
Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0030 SF 5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®).....	3.77	0.62
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.32	
For Adhesive Applied Sheets, Add	0.12	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.44	
For Horizontal Installation >10' High, Add	0.65	
For Walls >10' High, Add	0.10	
For Up To 128, Add	1.01	
For >128 To 320, Add	0.57	
For >1,536, Deduct	-0.44	
<b>09 29 10 00-0031 Abuse Resistant Gypsum Board</b> (09 29 10 00-0001)		
Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0032 SF 5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®).....	2.44	0.62
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.31	
For Adhesive Applied Sheets, Add	0.12	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.44	
For Horizontal Installation >10' High, Add	0.65	
For Walls >10' High, Add	0.10	
For Up To 128, Add	0.75	
For >128 To 320, Add	0.44	
For >1,536, Deduct	-0.24	
<b>09 29 10 00-0033 Noise Reducing Gypsum Board</b> (09 29 10 00-0001)		
09 29 10 00-0034 SF 1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak).....	4.81	0.65
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.34	
For Adhesive Applied Sheets, Add	0.13	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.45	
For Horizontal Installation >10' High, Add	0.66	
For Walls >10' High, Add	0.10	
For Up To 128, Add	1.22	
For >128 To 320, Add	0.68	
For >1,536, Deduct	-0.59	

**09 Finishes****09 20 Plaster and Gypsum Board****09 29 Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0035	SF		5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak) .....	5.83	0.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
			<i>For Adhesive Applied Sheets, Add</i>	0.13	
			<i>Note: Includes bracing until adhesive is bonded</i>		
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.45	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.66	
			<i>For Walls &gt;10' High, Add</i>	0.10	
			<i>For Up To 128, Add</i>	1.43	
			<i>For &gt;128 To 320, Add</i>	0.78	
			<i>For &gt;1,536, Deduct</i>	-0.74	
09 29 10 00-0036			<b>Finishing Gypsum Board Applications</b> (09 29 10) Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.		
09 29 10 00-0037			<b>Finish Gypsum Board Walls, ASTM C840 Level 4</b> (09 29 10 00-0036)		
09 29 10 00-0038	SF		Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board.....	0.76	
			<i>For Up To 128, Add</i>	0.29	
			<i>For &gt;128 To 320, Add</i>	0.18	
			<i>For &gt;5,400, Deduct</i>	-0.08	
			<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.36	
			<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.18	
			<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.07	
			<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.56	
			<i>For Spray Applied Textured Or Orange Peel Finish, Add</i>	0.56	
09 29 10 00-0039	SF		>10' High, Walls, Tape, Spackle And Finish Gypsum Board .....	1.00	
			<i>Note: Use this task for the entire wall area when the wall is &gt;10' high.</i>		
			<i>For Up To 128, Add</i>	0.39	
			<i>For &gt;128 To 320, Add</i>	0.24	
			<i>For &gt;5,400, Deduct</i>	-0.10	
			<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.48	
			<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.24	
			<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.10	
			<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.74	
			<i>For Spray Applied Textured Or Orange Peel Finish, Add</i>	0.74	
09 29 10 00-0040			<b>Finish Gypsum Board Ceilings, ASTM C840 Level 4</b> (09 29 10 00-0036)		
09 29 10 00-0041	SF		Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	0.98	
			<i>For Up To 128, Add</i>	0.38	
			<i>For &gt;128 To 320, Add</i>	0.23	
			<i>For &gt;5,400, Deduct</i>	-0.10	
			<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.47	
			<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.23	
			<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.09	
			<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.72	
			<i>For Spray Applied Textured Or Orange Peel Finish, Add</i>	0.72	
09 29 10 00-0042	SF		>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	1.31	
			<i>Note: Use this task for the entire wall area when the wall is &gt;10' high.</i>		
			<i>For Up To 128, Add</i>	0.51	
			<i>For &gt;128 To 320, Add</i>	0.32	
			<i>For &gt;5,400, Deduct</i>	-0.13	
			<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.63	
			<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.32	
			<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.13	
			<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.97	
			<i>For Spray Applied Textured Or Orange Peel Finish, Add</i>	0.97	
09 29 10 00-0043			<b>Finish Gypsum Board Vertical Corners, ASTM C840 Level 4</b> (09 29 10 00-0036) Note: Inside or outside gypsum board corners.		
09 29 10 00-0044	LF		Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	1.48	
			<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.69	
			<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.35	
			<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.14	
			<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	1.09	
09 29 10 00-0045	LF		>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	1.77	
			<i>Note: Use this task for the entire wall area when the wall is &gt;10' high.</i>		
			<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.84	
			<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.42	
			<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.17	
			<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	1.30	



<b>Finishes</b>	<b>09</b>	<b>2</b>
<b>Plaster and Gypsum Board</b>	<b>09 20</b>	
<b>Gypsum Board</b>	<b>09 29</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 29 10 00-0046</b> <b>Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4</b> <small>(09 29 10 00-0036)</small>		
<i>Note: Inside or outside gypsum board corners.</i>		
09 29 10 00-0047    LF    Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board.....	1.72	
<i>For ASTM C840 Level 1 Finish, Deduct</i>		
<i>For ASTM C840 Level 2 Finish, Deduct</i>		
<i>For ASTM C840 Level 3 Finish, Deduct</i>		
<i>For ASTM C840 Level 5 High Quality Finish, Add</i>		
09 29 10 00-0048    LF    >10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board .....	2.07	
<i>Note: Use this task for the entire wall area when the wall is &gt;10' high.</i>		
<i>For ASTM C840 Level 1 Finish, Deduct</i>		
<i>For ASTM C840 Level 2 Finish, Deduct</i>		
<i>For ASTM C840 Level 3 Finish, Deduct</i>		
<i>For ASTM C840 Level 5 High Quality Finish, Add</i>		
<b>09 29 10 00-0049</b> <b>Casing And Corner Beads</b> <small>(09 29 10)</small>		
09 29 10 00-0050    LF    Casing, Galvanized Steel J-Bead For Gypsum Board.....	4.22	1.09
<i>For Up To 100, Add</i>		
<i>For &gt;500, Deduct</i>		
09 29 10 00-0051    LF    Corner Bead, Galvanized Steel For Gypsum Board .....	3.86	1.09
<i>For Up To 100, Add</i>		
<i>For &gt;500, Deduct</i>		
<b>09 29 10 00-0052</b> <b>Preformed Architectural Profiles</b> <small>(09 29 10)</small>		
<b>09 29 10 00-0053</b> <b>Trim Reveals For Gypsum Board</b> <small>(09 29 10 00-0052)</small>		
09 29 10 00-0054    LF    1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.57	1.31
09 29 10 00-0055    LF    1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.60	1.31
09 29 10 00-0056    LF    3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.72	1.31
09 29 10 00-0057    LF    1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.78	1.31
09 29 10 00-0058    LF    5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.93	1.31
09 29 10 00-0059    LF    3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.08	1.31
09 29 10 00-0060    LF    1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.23	1.31
09 29 10 00-0061    LF    1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board .....	5.70	1.31
09 29 10 00-0062    LF    2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.18	1.31
09 29 10 00-0063    LF    1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.73	1.42
09 29 10 00-0064    LF    1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.73	1.42
09 29 10 00-0065    LF    3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.06	1.42
09 29 10 00-0066    LF    1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.12	1.42
09 29 10 00-0067    LF    5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.33	1.42
09 29 10 00-0068    LF    3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.42	1.42
09 29 10 00-0069    LF    1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.54	1.42
09 29 10 00-0070    LF    1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.07	1.42
09 29 10 00-0071    LF    2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.61	1.42
09 29 10 00-0072    LF    3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	8.90	1.63
09 29 10 00-0073    LF    4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	9.80	1.63
<b>09 29 10 00-0074</b> <b>Edge Trim For Gypsum Board</b> <small>(09 29 10 00-0052)</small>		
09 29 10 00-0075    LF    1/2" Aluminum Extrusions, Edge Trim For Gypsum Board.....	4.29	1.36
09 29 10 00-0076    LF    5/8" Aluminum Extrusions, Edge Trim For Gypsum Board.....	4.53	1.36
09 29 10 00-0077    LF    1" Aluminum Extrusions, Edge Trim For Gypsum Board.....	5.25	1.50
09 29 10 00-0078    LF    1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board.....	5.51	1.63
09 29 10 00-0079    LF    1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	7.28	1.36
09 29 10 00-0080    LF    5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	7.52	1.36
09 29 10 00-0081    LF    1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	8.24	1.50
09 29 10 00-0082    LF    1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	8.50	1.63
<b>09 29 10 00-0083</b> <b>Bevel Trim For Gypsum Board</b> <small>(09 29 10 00-0052)</small>		
09 29 10 00-0084    LF    5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	4.53	1.36
09 29 10 00-0085    LF    5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	5.16	1.50
<b>09 29 10 00-0086</b> <b>Trim/Wainscot Caps For Gypsum Board</b> <small>(09 29 10 00-0052)</small>		
09 29 10 00-0087    LF    1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board .....	6.02	1.63
<b>09 29 10 00-0088</b> <b>Single Fin Wall/Trim Reveals For Gypsum Board</b> <small>(09 29 10 00-0052)</small>		
09 29 10 00-0089    LF    1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.13	0.88
09 29 10 00-0090    LF    1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.25	0.98
09 29 10 00-0091    LF    3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.91	1.09
09 29 10 00-0092    LF    1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.24	1.20
09 29 10 00-0093    LF    5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.52	1.31
09 29 10 00-0094    LF    3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.61	1.31
09 29 10 00-0095    LF    1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.88	1.31
09 29 10 00-0096    LF    1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.39	1.31
09 29 10 00-0097    LF    2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.57	1.31
09 29 10 00-0098    LF    1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.33	1.42
09 29 10 00-0099    LF    1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.39	1.42

**09 Finishes****09 20 Plaster and Gypsum Board****09 29 Gypsum Board**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0100 LF 3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.72	1.42
09 29 10 00-0101 LF 1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.86	1.42
09 29 10 00-0102 LF 5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.98	1.42
09 29 10 00-0103 LF 3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.13	1.42
09 29 10 00-0104 LF 1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.34	1.42
09 29 10 00-0105 LF 1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.88	1.42
09 29 10 00-0106 LF 2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.33	1.42
09 29 10 00-0107 LF 3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.77	1.42
09 29 10 00-0108 LF 4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	11.52	1.42
09 29 10 00-0109 LF 3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	8.23	1.42
09 29 10 00-0110 LF 3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	8.47	1.42
09 29 10 00-0111 LF 4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	9.28	1.42
09 29 10 00-0112 LF 4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	9.37	1.42
09 29 10 00-0113 LF 9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board.....	10.54	1.42
09 29 10 00-0114 LF 5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board.....	8.80	1.42
<b>09 29 10 00-0115 'V' Groove Wall Reveals For Gypsum Board (09 29 10 00-0052)</b>		
09 29 10 00-0116 LF 1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	6.74	1.96
09 29 10 00-0117 LF 3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	7.74	2.18
09 29 10 00-0118 LF 1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	8.83	2.62
09 29 10 00-0119 LF 9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	9.09	2.83
<b>09 29 10 00-0120 Double Fin Wall Reveals For Gypsum Board (09 29 10 00-0052)</b>		
09 29 10 00-0121 LF 3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.00	1.31
09 29 10 00-0122 LF 1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.06	1.31
09 29 10 00-0123 LF 1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.12	1.31
09 29 10 00-0124 LF 3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.12	1.31
09 29 10 00-0125 LF 1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.39	1.31
09 29 10 00-0126 LF 5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.51	1.29
09 29 10 00-0127 LF 3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.63	1.31
09 29 10 00-0128 LF 1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.90	1.31
09 29 10 00-0129 LF 1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	7.35	1.31
09 29 10 00-0130 LF 2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	7.83	1.31
09 29 10 00-0131 LF 3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.37	1.42
09 29 10 00-0132 LF 1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.43	1.42
09 29 10 00-0133 LF 3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.55	1.42
09 29 10 00-0134 LF 1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.82	1.42
09 29 10 00-0135 LF 5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.94	1.42
09 29 10 00-0136 LF 3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	7.03	1.42
09 29 10 00-0137 LF 1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	7.33	1.42
09 29 10 00-0138 LF 1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	7.81	1.42
09 29 10 00-0139 LF 2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.29	1.42
09 29 10 00-0140 LF 3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.58	1.42
09 29 10 00-0141 LF 4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	12.27	1.42
09 29 10 00-0142 LF 1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	11.18	1.55
09 29 10 00-0143 LF 3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	12.80	1.89
09 29 10 00-0144 LF 1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	13.19	1.89
09 29 10 00-0145 LF 1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	10.11	1.29
09 29 10 00-0146 LF 1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	9.78	1.89
09 29 10 00-0147 LF 1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board.....	6.99	1.29
<b>09 29 10 00-0148 Special Conditions Reveals For Gypsum Board (09 29 10 00-0052)</b>		
<b>09 29 10 00-0149 Radius Conditions (09 29 10 00-0148)</b>		
09 29 10 00-0150 EA 8' Long Inside Radius For Gypsum Board.....	74.87	
Note: Task used in conjunction with "Prefomed Architectural Profiles" tasks.		
09 29 10 00-0151 EA 8' Long Outside Radius For Gypsum Board.....	74.87	
Note: Task used in conjunction with "Prefomed Architectural Profiles" tasks.		
09 29 10 00-0152 EA 8' Long Circular / Arched Radius For Gypsum Board.....	74.87	
Note: Task used in conjunction with "Prefomed Architectural Profiles" tasks.		
<b>09 29 10 00-0153 Knee Brace Kit (09 29 10 00-0148)</b>		
09 29 10 00-0154 EA 46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board.....	170.98	13.62
<b>09 29 10 00-0155 Wall Bumper Rail (09 29 10 00-0148)</b>		
09 29 10 00-0156 LF 2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board.....	25.86	5.45
<b>09 29 10 00-0157 Corners For Gypsum Board (09 29 10 00-0052)</b>		
09 29 10 00-0158 LF 1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	5.61	1.31
09 29 10 00-0159 LF 5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	6.01	1.42
09 29 10 00-0160 LF 3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	6.61	1.48
09 29 10 00-0161 LF 1"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	7.31	1.55
09 29 10 00-0162 LF 1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	8.88	1.89
09 29 10 00-0163 LF 2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	10.25	2.12



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0164	LF	2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	12.35	2.44
09 29 10 00-0165	LF	3" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	14.93	2.84
09 29 10 00-0166	LF	4" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	20.44	3.79
09 29 10 00-0167	LF	90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board.....	5.57	1.26
09 29 10 00-0168	LF	90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board.....	9.87	1.70
09 29 10 00-0169	LF	90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board.....	7.38	1.70
09 29 10 00-0170	LF	90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board.....	12.50	1.70
09 29 10 00-0171	LF	45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board.....	17.62	2.12
09 29 10 00-0172	LF	60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board.....	16.96	2.12
09 29 10 00-0173	LF	3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board.....	5.63	1.48
09 29 10 00-0174	LF	5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board.....	5.63	1.42
09 29 10 00-0175	LF	1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	5.58	1.31
09 29 10 00-0176	LF	5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	5.89	1.42
09 29 10 00-0177	LF	1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	7.70	1.55
09 29 10 00-0178	LF	1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	6.75	1.31
09 29 10 00-0179	LF	5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	7.15	1.42
09 29 10 00-0180	LF	1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	10.16	1.55
09 29 10 00-0181	LF	1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board.....	10.95	1.31
09 29 10 00-0182	LF	3" Aluminum Extrusions, Bullnose For Gypsum Board.....	19.16	2.84
09 29 10 00-0183	LF	3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board.....	20.35	2.84
09 29 10 00-0184	LF	5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board.....	37.36	4.73
09 29 10 00-0185	LF	7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board.....	61.32	6.70
09 29 10 00-0186	LF	3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	6.64	1.46
09 29 10 00-0187	LF	1" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	7.49	1.53
09 29 10 00-0188	LF	1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	9.03	1.86
09 29 10 00-0189	LF	2" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	10.97	2.09
09 29 10 00-0190	LF	2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	15.19	2.40
09 29 10 00-0191	LF	3" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	16.55	2.80
09 29 10 00-0192	LF	4" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	19.12	3.72
09 29 10 00-0193	LF	3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	12.42	2.80
09 29 10 00-0194	LF	3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	12.57	2.80
09 29 10 00-0195	LF	4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	13.53	2.80
09 29 10 00-0196	LF	5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	13.83	2.80

**09 29 82 Gypsum Board Fire Protection (09 29)**

<b>09 29 82 00-0001</b>	<b>Shaft Wall</b> <small>(09 29 82)</small>	See CSI section 09 29 10 00-0036 for finishing drywall.		
09 29 82 00-0002	SF	3/4" Fire Rated Shaft Wall Assembly.....	7.28	2.73
		Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.		
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.85	
		<i>For Horizontal Installation &gt;10' High, Add</i>	2.73	
		<i>For Walls &gt;10' High, Add</i>	0.44	
		<i>For Up To 128, Add</i>	2.55	
		<i>For &gt;128 To 320, Add</i>	1.55	
		<i>For &gt;1,536, Deduct</i>	-0.55	
09 29 82 00-0003	SF	7/8" Fire Rated Shaft Wall Assembly.....	8.41	3.27
		Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.		
		<i>For Horizontal Installation Up To 10' High, Add</i>	2.22	
		<i>For Horizontal Installation &gt;10' High, Add</i>	3.27	
		<i>For Walls &gt;10' High, Add</i>	0.52	
		<i>For Up To 128, Add</i>	2.99	
		<i>For &gt;128 To 320, Add</i>	1.82	
		<i>For &gt;1,536, Deduct</i>	-0.61	
09 29 82 00-0004	SF	2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	7.56	2.10
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.43	
		<i>For Horizontal Installation &gt;10' High, Add</i>	2.10	
		<i>For Walls &gt;10' High, Add</i>	0.34	
		<i>For Up To 128, Add</i>	2.35	
		<i>For &gt;128 To 320, Add</i>	1.39	
		<i>For Glass Mat Surfaces, Add</i>	0.32	
09 29 82 00-0005	SF	4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	8.15	2.21
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.50	
		<i>For Horizontal Installation &gt;10' High, Add</i>	2.20	
		<i>For Walls &gt;10' High, Add</i>	0.35	
		<i>For Up To 128, Add</i>	2.51	
		<i>For &gt;128 To 320, Add</i>	1.48	
		<i>For Glass Mat Surfaces, Add</i>	0.32	
09 29 82 00-0006	SF	2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	9.19	2.21
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.50	
		<i>For Horizontal Installation &gt;10' High, Add</i>	2.20	
		<i>For Walls &gt;10' High, Add</i>	0.35	
		<i>For Up To 128, Add</i>	2.72	
		<i>For &gt;128 To 320, Add</i>	1.58	
		<i>For Glass Mat Surfaces, Add</i>	0.32	

**09 Finishes**

**09 20 Plaster and Gypsum Board**

**09 29 Gypsum Board**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 82 00-0007	SF		4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly .....9.82	9.82	2.31
			Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
			For Horizontal Installation Up To 10' High, Add	1.57	
			For Horizontal Installation >10' High, Add	2.31	
			For Walls >10' High, Add	0.37	
			For Up To 128, Add	2.89	
			For >128 To 320, Add	1.68	
			For Glass Mat Surfaces, Add	0.32	

**09 30 Tiling (09)**

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods. Includes initial wax and seal.

**09 30 13 Ceramic Tiling (09 30)**

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

**09 30 13 00-0001 Ceramic Tiling (09 30 13)**

09 30 13 00-0002	SF		2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile .....16.03	16.03	2.94
			Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
			For Up To 50, Add	8.42	
			For >50 To 250, Add	1.18	
			For >1,000, Deduct	-0.59	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.22	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.39	
09 30 13 00-0003	SF		Less Than 8" x 8", Mounted, Ceramic Floor Tile .....13.69	13.69	2.94
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			For Up To 50, Add	7.83	
			For >50 To 250, Add	1.18	
			For >1,000, Deduct	-0.59	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.22	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.39	
09 30 13 00-0004	SF		8" x 8" And Larger Unmounted Ceramic Floor Tile .....15.16	15.16	1.84
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
			For Up To 50, Add	9.30	
			For >50 To 250, Add	1.47	
			For >1,000, Deduct	-0.74	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.61	
09 30 13 00-0005	SF		2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile .....17.28	17.28	3.56
			Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
			For Up To 50, Add	9.67	
			For >50 To 250, Add	1.43	
			For >1,000, Deduct	-0.71	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.41	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.58	
09 30 13 00-0006	SF		Less than 8" x 8" Mounted Ceramic Wall Tile .....14.94	14.94	3.56
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			For Up To 50, Add	9.08	
			For >50 To 250, Add	1.43	
			For >1,000, Deduct	-0.71	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.41	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.58	
09 30 13 00-0007	SF		8" x 8" And Larger Unmounted Ceramic Wall Tile .....16.83	16.83	2.26
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
			For Up To 50, Add	10.97	
			For >50 To 250, Add	1.80	
			For >1,000, Deduct	-0.90	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.69	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.86	
09 30 13 00-0008	SF		Less than 8" x 8" Mounted Ceramic Ceiling Tile .....20.16	20.16	6.18
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			For High-Modulus, High-Strength Epoxy Grout, Add	2.19	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	2.36	
			For Up To 50, Add	14.30	
			For >50 To 250, Add	2.47	
			For >1,000, Deduct	-1.24	
09 30 13 00-0009	SF		8" x 8" And Larger Unmounted Ceramic Ceiling Tile .....22.64	22.64	3.70
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
			For High-Modulus, High-Strength Epoxy Grout, Add	2.56	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	2.73	
			For Up To 50, Add	16.78	
			For >50 To 250, Add	2.97	
			For >1,000, Deduct	-1.48	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 30	13 00-0010	LF	4-1/4" To 4-1/2" High, Ceramic Cove Base Or Trim ..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. <i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	12.22 1.71	2.57
				<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.79	
	09 30	13 00-0011	LF	6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio) ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	19.25 1.71	2.57
				<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.79	
	09 30	13 00-0012	LF	6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio) ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	21.69 1.71	2.57
				<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.79	
	09 30	13 00-0013	EA	6" High, Unpolished Ceramic Cove Base Outer Corner.....	17.27	0.56
	09 30	13 00-0014	<b>Residential Ceramic Tiling</b> <small>(09 30 13)</small>			
	09 30	13 00-0015	SF	Mounted Ceramic Floor Tile, Residential Grade ..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i>	10.80 7.11	2.94
				<i>For &gt;50 To 250, Add</i>	1.18	
				<i>For &gt;1,000, Deduct</i>	-0.59	
				<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.22	
	09 30	13 00-0016	SF	Mounted Ceramic Wall Tile, Residential Grade ..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i>	12.05 8.36	3.56
				<i>For &gt;50 To 250, Add</i>	1.43	
				<i>For &gt;1,000, Deduct</i>	-0.71	
				<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.41	
	09 30	13 00-0017	SF	2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade ..... Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets. <i>For Up To 50, Add</i>	11.30 7.24	2.94
				<i>For &gt;50 To 250, Add</i>	1.18	
				<i>For &gt;1,000, Deduct</i>	-0.59	
				<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.22	
	09 30	16	<b>Quarry Tiling</b> <small>(09 30)</small>			
				Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.		
	09 30	16 00-0001	SF	Unglazed Quarry Floor Tile..... Note: With or without embedded abrasive grit. <i>For Up To 50, Add</i>	11.24 8.98	2.07
				<i>For &gt;50 To 250, Add</i>	1.65	
				<i>For &gt;1,000, Deduct</i>	-0.82	
				<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.57	
				<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.74	
	09 30	16 00-0002	SF	Glazed Quarry Floor Tile..... <i>For Up To 50, Add</i>	20.42 11.28	2.07
				<i>For &gt;50 To 250, Add</i>	1.65	
				<i>For &gt;1,000, Deduct</i>	-0.82	
				<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.57	
				<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.74	
	09 30	16 00-0003	SF	Unglazed Quarry Wall Tile ..... Note: With or without embedded abrasive grit. <i>For Up To 50, Add</i>	12.89 10.63	2.45
				<i>For &gt;50 To 250, Add</i>	1.98	
				<i>For &gt;1,000, Deduct</i>	-0.99	
				<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.82	
				<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.99	
	09 30	16 00-0004	SF	Glazed Quarry Wall Tile..... <i>For Up To 50, Add</i>	22.07 12.93	2.45
				<i>For &gt;50 To 250, Add</i>	1.98	
				<i>For &gt;1,000, Deduct</i>	-0.99	
				<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.82	
				<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.99	
	09 30	16 00-0005	LF	6" High Unglazed Quarry Tile Cove Base Or Trim..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	15.52 1.80	2.72
				<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.88	
	09 30	16 00-0006	LF	6" High Glazed Quarry Tile Cove Base Or Trim ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	30.58 1.80	2.72
				<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.88	
	09 30	33	<b>Stone Tiling</b> <small>(09 30)</small>			
				Note: Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.		
	09 30	33 00-0001	<b>Marble Floor Tile</b> <small>(09 30 33)</small>			
	09 30	33 00-0002	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cherry Blossom".....	12.67	1.84
				<i>For Up To 50, Add</i>	8.68	
				<i>For &gt;50 To 250, Add</i>	1.47	
				<i>For &gt;1,000, Deduct</i>	-0.74	
				<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.44	
				<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	

**09 Finishes**

**09 30 Tiling**

**09 30 33 Stone Tiling**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0003	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Laurent Brown".....	13.16	1.84
			<i>For Up To 50, Add</i>	8.80	
			<i>For &gt;50 To 250, Add</i>	1.47	
			<i>For &gt;1,000, Deduct</i>	-0.74	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.44	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0004	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Temple Gray" .....	13.43	1.84
			<i>For Up To 50, Add</i>	8.87	
			<i>For &gt;50 To 250, Add</i>	1.47	
			<i>For &gt;1,000, Deduct</i>	-0.74	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.44	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0005	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Cafe".....	13.54	1.84
			<i>For Up To 50, Add</i>	8.90	
			<i>For &gt;50 To 250, Add</i>	1.47	
			<i>For &gt;1,000, Deduct</i>	-0.74	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.44	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0006	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "China Black".....	13.62	1.84
			<i>For Up To 50, Add</i>	8.92	
			<i>For &gt;50 To 250, Add</i>	1.47	
			<i>For &gt;1,000, Deduct</i>	-0.74	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.44	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0007	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Sea Grass Honed".....	13.73	1.84
			<i>For Up To 50, Add</i>	8.95	
			<i>For &gt;50 To 250, Add</i>	1.47	
			<i>For &gt;1,000, Deduct</i>	-0.74	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.44	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0008	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Gris Magma or Gris Nebula".....	14.00	1.84
			<i>For Up To 50, Add</i>	9.01	
			<i>For &gt;50 To 250, Add</i>	1.47	
			<i>For &gt;1,000, Deduct</i>	-0.74	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.44	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0009	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Dark Green".....	15.73	1.84
			<i>For Up To 50, Add</i>	9.45	
			<i>For &gt;50 To 250, Add</i>	1.47	
			<i>For &gt;1,000, Deduct</i>	-0.74	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.44	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0010	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cappuccino Light" .....	15.92	1.84
			<i>For Up To 50, Add</i>	9.49	
			<i>For &gt;50 To 250, Add</i>	1.47	
			<i>For &gt;1,000, Deduct</i>	-0.74	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.44	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0011	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Cream".....	16.28	1.84
			<i>For Up To 50, Add</i>	9.58	
			<i>For &gt;50 To 250, Add</i>	1.47	
			<i>For &gt;1,000, Deduct</i>	-0.74	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.44	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0012	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Classic".....	16.68	1.84
			<i>For Up To 50, Add</i>	9.68	
			<i>For &gt;50 To 250, Add</i>	1.47	
			<i>For &gt;1,000, Deduct</i>	-0.74	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.44	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0013	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato Carrara".....	16.96	1.84
			<i>For Up To 50, Add</i>	9.75	
			<i>For &gt;50 To 250, Add</i>	1.47	
			<i>For &gt;1,000, Deduct</i>	-0.74	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.44	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0014	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Giallo Crystal Onyx".....	17.91	1.84
			<i>For Up To 50, Add</i>	9.99	
			<i>For &gt;50 To 250, Add</i>	1.47	
			<i>For &gt;1,000, Deduct</i>	-0.74	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.44	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0015	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cafe Forest or Rain Forest".....	19.70	1.84
			<i>For Up To 50, Add</i>	10.44	
			<i>For &gt;50 To 250, Add</i>	1.47	
			<i>For &gt;1,000, Deduct</i>	-0.74	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.44	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0016	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato".....	19.81	1.84
			<i>For Up To 50, Add</i>	10.47	
			<i>For &gt;50 To 250, Add</i>	1.47	
			<i>For &gt;1,000, Deduct</i>	-0.74	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.44	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	





<b>Finishes</b>	<b>09</b>	<b>09</b>
Tiling	09 30	
Stone Tiling	09 30 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0017 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Carrara White".....	21.14	1.84
For Up To 50, Add	10.80	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0018 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Select Or Sahara Gold".....	21.60	1.84
For Up To 50, Add	10.91	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0019 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Fiorito Or Michelangelo".....	21.79	1.84
For Up To 50, Add	10.96	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0020 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Antique".....	22.09	1.84
For Up To 50, Add	11.04	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0021 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Dark Or Super Thassos Glass".....	24.56	1.84
For Up To 50, Add	11.65	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0022 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rosa Verona".....	25.97	1.84
For Up To 50, Add	12.01	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0023 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rojo Alicante".....	26.35	1.84
For Up To 50, Add	12.10	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0024 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Light".....	26.54	1.84
For Up To 50, Add	12.15	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
<b>09 30 33 00-0025 Granite Floor Tile</b> <small>(09 30 33)</small>		
09 30 33 00-0026 SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Crystal Gray".....	11.34	1.84
For Up To 50, Add	8.35	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0027 SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Peach Flower".....	12.29	1.84
For Up To 50, Add	8.59	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0028 SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Golden Yellow".....	13.05	1.84
For Up To 50, Add	8.78	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0029 SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Absolute Black".....	16.09	1.84
For Up To 50, Add	9.54	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0030 SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tan Brown".....	16.68	1.84
For Up To 50, Add	9.68	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	

**09 Finishes****09 30 Tiling****09 30 33 Stone Tiling**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 30 33 00-0031	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Black Galaxy" .....	17.23	1.84
	For Up To 50, Add	9.82	
	For >50 To 250, Add	1.47	
	For >1,000, Deduct	-0.74	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0032	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Kashmir White Or Gold" .....	17.80	1.84
	For Up To 50, Add	9.96	
	For >50 To 250, Add	1.47	
	For >1,000, Deduct	-0.74	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0033	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Giallo Santa Cecilia" .....	18.48	1.84
	For Up To 50, Add	10.13	
	For >50 To 250, Add	1.47	
	For >1,000, Deduct	-0.74	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0034	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Verde UbaTuba" .....	19.13	1.84
	For Up To 50, Add	10.30	
	For >50 To 250, Add	1.47	
	For >1,000, Deduct	-0.74	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0035	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "New Venetian Gold" .....	19.81	1.84
	For Up To 50, Add	10.47	
	For >50 To 250, Add	1.47	
	For >1,000, Deduct	-0.74	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0036	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tropic Brown" .....	20.46	1.84
	For Up To 50, Add	10.63	
	For >50 To 250, Add	1.47	
	For >1,000, Deduct	-0.74	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0037	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Baltic Brown Or Indian Dakota" .....	21.22	1.84
	For Up To 50, Add	10.82	
	For >50 To 250, Add	1.47	
	For >1,000, Deduct	-0.74	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0038	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Dynamic Blue" .....	21.98	1.84
	For Up To 50, Add	11.01	
	For >50 To 250, Add	1.47	
	For >1,000, Deduct	-0.74	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0039	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Blue Pearl Or Emerald Pearl" .....	24.64	1.84
	For Up To 50, Add	11.67	
	For >50 To 250, Add	1.47	
	For >1,000, Deduct	-0.74	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
<b>09 30 33 00-0040</b>	<b>Slate Floor Tile</b> <small>(09 30 33)</small>		
09 30 33 00-0041	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Raja Classic" .....	10.20	1.84
	For Up To 50, Add	8.06	
	For >50 To 250, Add	1.47	
	For >1,000, Deduct	-0.74	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0042	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Rustic Gold" .....	10.69	1.84
	For Up To 50, Add	8.19	
	For >50 To 250, Add	1.47	
	For >1,000, Deduct	-0.74	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0043	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "California Gold Or Black Rust" .....	10.96	1.84
	For Up To 50, Add	8.25	
	For >50 To 250, Add	1.47	
	For >1,000, Deduct	-0.74	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0044	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Indian Autumn" .....	10.96	1.84
	For Up To 50, Add	8.25	
	For >50 To 250, Add	1.47	
	For >1,000, Deduct	-0.74	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Tiling	09 30	
Stone Tiling	09 30 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0045 SF 12" x 12" And Larger Unmounted Slate Floor Tile, "China Multi, Earth, Or Autumn Blend".....	11.15	1.84
For Up To 50, Add	8.30	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0046 SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Lilac Kashmir Or Madras Yellow".....	11.72	1.84
For Up To 50, Add	8.44	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0047 SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Montauk Blue, Copper Quartzite, Montauk Black, San Rio Rustic, Or Gold Green Quartzite".....	12.29	1.84
For Up To 50, Add	8.59	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0048 SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Ocean Green Quartzite Or Golden White Quartzite".....	12.48	1.84
For Up To 50, Add	8.63	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
<b>09 30 33 00-0049 Travertine Floor Tile</b> (09 30 33)		
09 30 33 00-0050 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Noce Rustic".....	12.29	1.84
For Up To 50, Add	8.59	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0051 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Denizli Beige Or Oasis Walnut".....	12.86	1.84
For Up To 50, Add	8.73	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0052 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Gold".....	13.24	1.84
For Up To 50, Add	8.82	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0053 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Navona Light - Ivory".....	13.81	1.84
For Up To 50, Add	8.97	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0054 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Noce".....	14.00	1.84
For Up To 50, Add	9.01	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0055 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Antique".....	14.19	1.84
For Up To 50, Add	9.06	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0056 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Cream".....	16.01	1.84
For Up To 50, Add	9.52	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
<b>09 30 33 00-0057 Limestone Floor Tile</b> (09 30 33)		
09 30 33 00-0058 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Isis Gold".....	15.90	1.84
For Up To 50, Add	9.49	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0059 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Tiara Beige".....	16.47	1.84
For Up To 50, Add	9.63	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	

**09 Finishes****09 30 Tiling****09 30 33 Stone Tiling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0060 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Halila Cream".....	19.43	1.84
For Up To 50, Add	10.37	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0061 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Ramon Gold".....	21.22	1.84
For Up To 50, Add	10.82	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0062 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Chestnut Brown Or Jerusalem Bone".....	21.22	1.84
For Up To 50, Add	10.82	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0063 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Lagos Blue".....	21.79	1.84
For Up To 50, Add	10.96	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0064 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Jura Gray".....	23.88	1.84
For Up To 50, Add	11.48	
For >50 To 250, Add	1.47	
For >1,000, Deduct	-0.74	
For High-Modulus, High-Strength Epoxy Grout, Add	1.44	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	

**09 31 Thin-Set Tiling** (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

**09 31 13 Thin-Set Ceramic Tiling** (09 31)**09 31 13 00-0001 Thin-Set Ceramic Tiling** (09 31 13)

09 31 13 00-0002 SF Thin Set - Latex Portland Cement Mortar .....	1.81	0.97
For Up To 50, Add	1.56	
For >50 To 250, Add	0.29	
For >1,000, Deduct	-0.15	
09 31 13 00-0003 SF Clean And Scarify Existing Tile For Installation Of New Tile Over Existing.....	0.94	
For Up To 50, Add	0.94	
For >50 To 250, Add	0.19	
For >1,000, Deduct	-0.09	

**09 32 Mortar-Bed Tiling** (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

**09 32 13 Mortar-Bed Ceramic Tiling** (09 32)**09 32 13 00-0001 Mortar-Bed Ceramic Tiling** (09 32 13)

09 32 13 00-0002 SF 3/4" Minimum Thickness Portland Cement Mortar Setting Bed .....	4.29	1.96
Note: For residential floors. Includes 15 LB felt and wire reinforcement.		
For Up To 50, Add	3.28	
For >50 To 250, Add	0.59	
For >1,000, Deduct	-0.29	
For Exterior Installation (Galvanized Reinforcement), Add	0.15	
09 32 13 00-0003 SF 1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed .....	6.01	2.61
Note: For commercial floors. Includes 15 LB felt and wire reinforcement.		
For Up To 50, Add	4.44	
For >50 To 250, Add	0.78	
For >1,000, Deduct	-0.39	
For Exterior Installation (Galvanized Reinforcement), Add	0.15	
09 32 13 00-0004 SF 3/4" Portland Cement Plaster Scratch Coat for Walls.....	13.84	5.88
Note: Includes 15 LB felt and expanded metal lath.		
For Up To 50, Add	12.28	
For >50 To 250, Add	2.35	
For >1,000, Deduct	-1.18	
For Exterior Installation (Galvanized Reinforcement), Add	0.15	
For Installation Without Felt And Metal Lath, Deduct	-2.15	

**09 34 Waterproofing-Membrane Tiling** (09 30)**09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds** (09 34)**09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST)** (09 34 00 00-0001)

Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.



<b>Finishes</b>	<b>09</b>	<b>09</b>
Tiling	09 30	
Waterproofing-Membrane Tiling	09 34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 34 00 00-0003 EA 48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	1,306.76	
09 34 00 00-0004 EA 32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	1,514.61	
09 34 00 00-0005 EA 72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	2,243.52	
<b>09 34 00 00-0006 Prefabricated Polystyrene Shower Curbs And Ramps</b> (09 34 00 00-0001)		
Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.		
09 34 00 00-0007 EA 15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122).....	158.57	
09 34 00 00-0008 EA 4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122).....	151.36	
<b>09 34 00 00-0009 Prefabricated Polystyrene Shower Benches</b> (09 34 00 00-0001)		
Note: Prefabricated shower bench for tiling over. Excludes tile.		
09 34 00 00-0010 EA 16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41).....	325.83	
09 34 00 00-0011 EA 32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181).....	654.21	
09 34 00 00-0012 EA 48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122).....	807.45	
09 34 00 00-0013 EA 32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981).....	588.53	
09 34 00 00-0014 EA 42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107).....	654.21	
09 34 00 00-0015 EA 48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122).....	697.99	
<b>09 34 00 00-0016 Prefabricated Polystyrene Shower Tray</b> (09 34 00 00-0001)		
Note: Prefabricated shower tray for tiling over. Excludes tile.		
09 34 00 00-0017 EA 32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152).....	278.97	
09 34 00 00-0018 EA 48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122).....	278.97	
09 34 00 00-0019 EA 72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183).....	432.21	
<b>09 34 00 00-0020 Waterproofing, Uncoupling And Vapor Management Membranes</b> (Schluter® DITRA) (09 34 00 00-0001)		
09 34 00 00-0021 SF 1/8" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA).....	4.86	
09 34 00 00-0022 SF 5/16" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL).....	5.62	
<b>09 34 00 00-0023 Bonded Waterproof Underlayment Membranes (Schluter® KERDI)</b> (09 34 00 00-0001)		
09 34 00 00-0024 SF 0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M).....	4.27	
<b>09 35 Chemical-Resistant Tiling</b> (09 30)		
Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.		
<b>09 35 13 Chemical-Resistant Ceramic Tiling</b> (09 35)		
<b>09 35 13 00-0001 Chemical-Resistant Ceramic Tiling</b> (09 35 13)		
09 35 13 00-0002 SF Thin Set - Epoxy Mortar.....	5.62	1.29
Note: Impact and chemical resistant.		
For Up To 50, Add	2.88	
For >50 To 250, Add	0.39	
For >1,000, Deduct	-0.20	
<b>09 39 Tiling Transitions</b> (09 30)		
<b>09 39 00 00-0001 Tile Waterproofing And Crack Prevention</b> (09 39)		
09 39 00 00-0002 CSF 30 Mil Waterproofing And Crack Prevention Membrane; RedGard.....	116.12	
<b>09 39 00 00-0003 Waterproof Strip Membranes (Schluter® KERDI)</b> (09 39)		
09 39 00 00-0004 LF 5" Wide, 4 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI BAND).....	5.23	
09 39 00 00-0005 LF 10" Wide, 12 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI FLEX).....	11.06	
<b>09 39 00 00-0006 Coved Shaped Transition Profiles For Floor To Wall For Tile</b> (09 39)		
09 39 00 00-0007 LF 5/16" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK).....	7.26	
09 39 00 00-0008 LF 3/8" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK).....	7.24	
09 39 00 00-0009 LF 1/2" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK).....	7.51	
09 39 00 00-0010 LF 5/16" Height, PVC Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK).....	6.90	
09 39 00 00-0011 LF 3/8" Height, Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK).....	7.17	
<b>09 39 00 00-0012 Coved Shaped Inside Edge Protection And Transition Profiles For Wall To Wall For Tile</b> (09 39)		
09 39 00 00-0013 LF 9/32" x 9/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK).....	14.98	
09 39 00 00-0014 LF 11/32" x 11/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK).....	15.40	
09 39 00 00-0015 LF 7/16" x 7/16" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK).....	15.88	

**09 Finishes****09 30 Tiling****09 39 Tiling Transitions**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>09 39 00 00-0016</b>	<b>Tile Substrate (Schluter® KERDI BOARD) (09 39)</b>		
09 39 00 00-0017	SF 1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD) .....	8.72	0.77
09 39 00 00-0018	SF 5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD) .....	9.81	0.88

<b>09 39 00 00-0019</b>	<b>Floor Edge Protection And Transition Profiles For Tile (09 39)</b>		
09 39 00 00-0020	LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	3.78	
09 39 00 00-0021	LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	3.89	
09 39 00 00-0022	LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	4.01	
09 39 00 00-0023	LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	4.21	
09 39 00 00-0024	LF 1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS) .....	5.02	
09 39 00 00-0025	LF 5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS) .....	5.18	
09 39 00 00-0026	LF 3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS) .....	5.29	
09 39 00 00-0027	LF 1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS) .....	5.42	
09 39 00 00-0028	LF 9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T).....	3.96	
09 39 00 00-0029	LF 1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T).....	5.42	
09 39 00 00-0030	LF 1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	5.04	
09 39 00 00-0031	LF 5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	5.30	
09 39 00 00-0032	LF 3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	5.56	
09 39 00 00-0033	LF 1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	6.73	
09 39 00 00-0034	LF 5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	5.22	
09 39 00 00-0035	LF 3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	5.48	
09 39 00 00-0036	LF 1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	6.65	

<b>09 39 00 00-0037</b>	<b>Outside Wall Edge Protection And Transition Profiles For Tile (09 39)</b>		
09 39 00 00-0038	LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC) .....	5.19	
09 39 00 00-0039	LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC) .....	5.46	
09 39 00 00-0040	LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC) .....	5.87	
09 39 00 00-0041	LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC) .....	6.28	
09 39 00 00-0042	LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC) .....	5.74	
09 39 00 00-0043	LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC) .....	6.26	
09 39 00 00-0044	LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC) .....	6.78	
09 39 00 00-0045	LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC) .....	7.69	

**09 50 Ceilings (09)**

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

**09 51 Acoustical Ceilings (09 50)**

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

**09 51 13 Acoustical Panel Ceilings (09 51)**

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

<b>09 51 13 00-0001</b>	<b>Fiberglass Panels (09 51 13)</b>		
<b>09 51 13 00-0002</b>	<b>Fiberglass Acoustical Panels (09 51 13 00-0001)</b>		
	Note: Includes square or tegular edge and class A fire rating.		
09 51 13 00-0003	SF 2' x 2' x 3/4" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3150) .....	6.98	0.43
	For Up To 50, Add	1.62	
	For >50 To 200, Add	0.98	
	For >200 To 500, Add	0.42	
	For >2,500 To 4,000, Deduct	-0.17	
	For >4,000 To 5,000, Deduct	-0.35	
	For >5,000, Deduct	-0.56	
	For Individual Room Quantities <495, Add	0.98	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.11	
09 51 13 00-0004	SF 2' x 4' x 3/4" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3151) .....	7.23	0.43
	For Up To 50, Add	1.65	
	For >50 To 200, Add	1.01	
	For >200 To 500, Add	0.43	
	For >2,500 To 4,000, Deduct	-0.18	
	For >4,000 To 5,000, Deduct	-0.36	
	For >5,000, Deduct	-0.58	
	For Individual Room Quantities <495, Add	1.01	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.11	
09 51 13 00-0005	SF 2' x 2' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3152) .....	7.79	0.54
	For Up To 50, Add	1.78	
	For >50 To 200, Add	1.08	
	For >200 To 500, Add	0.47	
	For >2,500 To 4,000, Deduct	-0.19	
	For >4,000 To 5,000, Deduct	-0.39	
	For >5,000, Deduct	-0.62	
	For Individual Room Quantities <495, Add	1.08	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.11	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0006 SF 2' x 4' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3153) .....	7.75	0.54
For Up To 50, Add	1.77	
For >50 To 200, Add	1.08	
For >200 To 500, Add	0.46	
For >2,500 To 4,000, Deduct	-0.19	
For >4,000 To 5,000, Deduct	-0.39	
For >5,000, Deduct	-0.62	
For Individual Room Quantities <495, Add	1.08	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.11	
09 51 13 00-0007 SF 2' x 2' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™ 8372) .....	12.42	0.54
For Up To 50, Add	2.47	
For >50 To 200, Add	1.55	
For >200 To 500, Add	0.70	
For >2,500 To 4,000, Deduct	-0.31	
For >4,000 To 5,000, Deduct	-0.62	
For >5,000, Deduct	-0.97	
For Individual Room Quantities <495, Add	1.55	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.11	
09 51 13 00-0008 SF 2' x 4' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™ 8373) .....	12.42	0.54
For Up To 50, Add	2.47	
For >50 To 200, Add	1.55	
For >200 To 500, Add	0.70	
For >2,500 To 4,000, Deduct	-0.31	
For >4,000 To 5,000, Deduct	-0.62	
For >5,000, Deduct	-0.97	
For Individual Room Quantities <495, Add	1.55	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.11	
<b>09 51 13 00-0009 Mineral Fiber Panels (09 51 13)</b>		
<b>09 51 13 00-0010 Mineral Fiber Acoustical Ceiling Panels (09 51 13 00-0009)</b>		
Note: Includes square or tegular edge and class A fire rating.		
09 51 13 00-0011 SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured) .....	2.69	0.43
For Up To 50, Add	0.97	
For >50 To 200, Add	0.55	
For >200 To 500, Add	0.21	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.13	
For >5,000, Deduct	-0.24	
For Individual Room Quantities <495, Add	0.55	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.64	
For Ceilings >10' High, Add	0.11	
09 51 13 00-0012 SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured) .....	2.49	0.43
For Up To 50, Add	0.94	
For >50 To 200, Add	0.53	
For >200 To 500, Add	0.20	
For >2,500 To 4,000, Deduct	-0.06	
For >4,000 To 5,000, Deduct	-0.12	
For >5,000, Deduct	-0.22	
For Individual Room Quantities <495, Add	0.53	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.64	
For Ceilings >10' High, Add	0.11	
09 51 13 00-0013 SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™) .....	3.01	0.43
For Up To 50, Add	1.02	
For >50 To 200, Add	0.59	
For >200 To 500, Add	0.22	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.15	
For >5,000, Deduct	-0.26	
For Individual Room Quantities <495, Add	0.59	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.64	
For Ceilings >10' High, Add	0.11	
09 51 13 00-0014 SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™) .....	2.91	0.43
For Up To 50, Add	1.00	
For >50 To 200, Add	0.58	
For >200 To 500, Add	0.22	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.15	
For >5,000, Deduct	-0.25	
For Individual Room Quantities <495, Add	0.58	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.64	
For Ceilings >10' High, Add	0.11	

## 09 Finishes

## 09 50 Ceilings

## 09 51 Acoustical Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0015	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	4.48	0.43
			For Up To 50, Add	1.24	
			For >50 To 200, Add	0.73	
			For >200 To 500, Add	0.30	
			For >2,500 To 4,000, Deduct	-0.11	
			For >4,000 To 5,000, Deduct	-0.22	
			For >5,000, Deduct	-0.37	
			For Individual Room Quantities <495, Add	0.73	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.64	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0016	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	3.57	0.43
			For Up To 50, Add	1.10	
			For >50 To 200, Add	0.64	
			For >200 To 500, Add	0.25	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.18	
			For >5,000, Deduct	-0.30	
			For Individual Room Quantities <495, Add	0.64	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.64	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0017	SF		2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.81	0.43
			For Up To 50, Add	1.14	
			For >50 To 200, Add	0.67	
			For >200 To 500, Add	0.26	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.19	
			For >5,000, Deduct	-0.32	
			For Individual Room Quantities <495, Add	0.67	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.64	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0018	SF		2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.38	0.43
			For Up To 50, Add	1.08	
			For >50 To 200, Add	0.62	
			For >200 To 500, Add	0.24	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.17	
			For >5,000, Deduct	-0.29	
			For Individual Room Quantities <495, Add	0.62	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.64	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0019	SF		2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®) .....	4.89	0.43
			For Up To 50, Add	1.30	
			For >50 To 200, Add	0.77	
			For >200 To 500, Add	0.32	
			For >2,500 To 4,000, Deduct	-0.12	
			For >4,000 To 5,000, Deduct	-0.24	
			For >5,000, Deduct	-0.40	
			For Individual Room Quantities <495, Add	0.77	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.64	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0020	SF		2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®) .....	4.88	0.43
			For Up To 50, Add	1.30	
			For >50 To 200, Add	0.77	
			For >200 To 500, Add	0.32	
			For >2,500 To 4,000, Deduct	-0.12	
			For >4,000 To 5,000, Deduct	-0.24	
			For >5,000, Deduct	-0.40	
			For Individual Room Quantities <495, Add	0.77	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.64	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0021	SF		2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™/High Washability) .....	6.53	0.43
			For Up To 50, Add	1.55	
			For >50 To 200, Add	0.94	
			For >200 To 500, Add	0.40	
			For >2,500 To 4,000, Deduct	-0.16	
			For >4,000 To 5,000, Deduct	-0.33	
			For >5,000, Deduct	-0.53	
			For Individual Room Quantities <495, Add	0.94	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.64	
			For Ceilings >10' High, Add	0.11	





<b>Finishes</b>	<b>09</b>	<b>09</b>
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0022 SF 2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™/High Washability).....	7.16	0.43
For Up To 50, Add	1.64	
For >50 To 200, Add	1.00	
For >200 To 500, Add	0.43	
For >2,500 To 4,000, Deduct	-0.18	
For >4,000 To 5,000, Deduct	-0.36	
For >5,000, Deduct	-0.57	
For Individual Room Quantities <495, Add	1.00	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.64	
For Ceilings >10' High, Add	0.11	
09 51 13 00-0023 SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL Perforated).....	6.25	0.43
For Up To 50, Add	1.51	
For >50 To 200, Add	0.91	
For >200 To 500, Add	0.38	
For >2,500 To 4,000, Deduct	-0.16	
For >4,000 To 5,000, Deduct	-0.31	
For >5,000, Deduct	-0.50	
For Individual Room Quantities <495, Add	0.91	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.64	
For Ceilings >10' High, Add	0.11	
09 51 13 00-0024 SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL Perforated).....	6.22	0.43
For Up To 50, Add	1.50	
For >50 To 200, Add	0.91	
For >200 To 500, Add	0.38	
For >2,500 To 4,000, Deduct	-0.16	
For >4,000 To 5,000, Deduct	-0.31	
For >5,000, Deduct	-0.50	
For Individual Room Quantities <495, Add	0.91	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.64	
For Ceilings >10' High, Add	0.11	
09 51 13 00-0025 SF 20" x 60" x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™2617).....	3.05	0.43
For Ceilings >10' High, Add	0.11	
09 51 13 00-0026 SF 20" x 60" x 5/8" Thick, Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™2627).....	3.38	0.43
For Ceilings >10' High, Add	0.11	
<b>09 51 13 00-0027 Wood Fiber Panels</b> <small>(09 51 13)</small>		
09 51 13 00-0028 SF 2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	5.09	0.65
For Up To 50, Add	1.54	
For >50 To 200, Add	0.90	
For >200 To 500, Add	0.35	
For >2,500 To 4,000, Deduct	-0.13	
For >4,000 To 5,000, Deduct	-0.25	
For >5,000, Deduct	-0.43	
For Individual Room Quantities <495, Add	0.90	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.15	
09 51 13 00-0029 SF 2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	4.89	0.65
For Up To 50, Add	1.43	
For >50 To 200, Add	0.84	
For >200 To 500, Add	0.33	
For >2,500 To 4,000, Deduct	-0.12	
For >4,000 To 5,000, Deduct	-0.24	
For >5,000, Deduct	-0.41	
For Individual Room Quantities <495, Add	0.84	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.13	
09 51 13 00-0030 SF 2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels.....	6.49	0.65
For Up To 50, Add	1.75	
For >50 To 200, Add	1.04	
For >200 To 500, Add	0.42	
For >2,500 To 4,000, Deduct	-0.16	
For >4,000 To 5,000, Deduct	-0.32	
For >5,000, Deduct	-0.54	
For Individual Room Quantities <495, Add	1.04	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.15	
09 51 13 00-0031 SF 2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels.....	6.29	0.65
For Up To 50, Add	1.64	
For >50 To 200, Add	0.98	
For >200 To 500, Add	0.40	
For >2,500 To 4,000, Deduct	-0.16	
For >4,000 To 5,000, Deduct	-0.31	
For >5,000, Deduct	-0.52	
For Individual Room Quantities <495, Add	0.98	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.13	

**09 Finishes****09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0032	SF		2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels .....	7.85	0.65
			For Up To 50, Add	1.95	
			For >50 To 200, Add	1.17	
			For >200 To 500, Add	0.49	
			For >2,500 To 4,000, Deduct	-0.20	
			For >4,000 To 5,000, Deduct	-0.39	
			For >5,000, Deduct	-0.64	
			For Individual Room Quantities <495, Add	1.17	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.15	
09 51 13 00-0033	SF		2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels .....	7.65	0.65
			For Up To 50, Add	1.84	
			For >50 To 200, Add	1.11	
			For >200 To 500, Add	0.47	
			For >2,500 To 4,000, Deduct	-0.19	
			For >4,000 To 5,000, Deduct	-0.38	
			For >5,000, Deduct	-0.62	
			For Individual Room Quantities <495, Add	1.11	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0034	SF		2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels .....	5.91	0.65
			For Up To 50, Add	1.66	
			For >50 To 200, Add	0.98	
			For >200 To 500, Add	0.39	
			For >2,500 To 4,000, Deduct	-0.15	
			For >4,000 To 5,000, Deduct	-0.30	
			For >5,000, Deduct	-0.49	
			For Individual Room Quantities <495, Add	0.98	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.15	
09 51 13 00-0035	SF		2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels .....	5.71	0.65
			For Up To 50, Add	1.55	
			For >50 To 200, Add	0.92	
			For >200 To 500, Add	0.37	
			For >2,500 To 4,000, Deduct	-0.14	
			For >4,000 To 5,000, Deduct	-0.29	
			For >5,000, Deduct	-0.47	
			For Individual Room Quantities <495, Add	0.92	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.13	
<b>09 51 13 00-0036</b>			<b>Removal And Reinstallation Of Acoustical Ceiling Panels</b> <small>(09 51 13)</small>		
			Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 51 13 00-0037	SF		Removal And Reinstallation Of Acoustical Panels Only.....	2.23	
			For Up To 50, Add	1.23	
			For >50 To 200, Add	0.67	
			For >200 To 500, Add	0.22	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.11	
			For >5,000, Deduct	-0.22	
			For Ceilings >10' High, Add	0.17	
<b>09 51 23</b>			<b>Acoustical Tile Ceilings</b> <small>(09 51)</small>		
			Note: Includes fastening with staples and/or adhesive.		
<b>09 51 23 00-0001</b>			<b>Mineral Fiber Acoustical Tile Ceilings</b> <small>(09 51 23)</small>		
09 51 23 00-0002	SF		12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile.....	5.72	1.20
			For Furring 1 x 3 Strips 12" On Center, Add	0.50	
			For Up To 50, Add	1.95	
			For >50 To 200, Add	1.12	
			For >200 To 500, Add	0.42	
			For >2,500, Deduct	-0.29	
			For Ceilings >10' High, Add	0.20	
09 51 23 00-0003	SF		12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile.....	6.83	1.20
			For Furring 1 x 3 Strips 12" On Center, Add	0.50	
			For Up To 50, Add	2.12	
			For >50 To 200, Add	1.23	
			For >200 To 500, Add	0.48	
			For >2,500, Deduct	-0.34	
			For Placing Tiles In Suspended Ceiling System, Deduct	-0.48	
			For Ceilings >10' High, Add	0.20	
09 51 23 00-0004	SF		12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile.....	7.73	1.20
			For Furring 1 x 3 Strips 12" On Center, Add	0.50	
			For Up To 50, Add	2.25	
			For >50 To 200, Add	1.32	
			For >200 To 500, Add	0.52	
			For >2,500, Deduct	-0.39	
			For Placing Tiles In Suspended Ceiling System, Deduct	-0.48	
			For Ceilings >10' High, Add	0.20	
<b>09 51 23 00-0005</b>			<b>Wood Fiber Acoustical Tile Ceilings</b> <small>(09 51 23)</small>		



<b>Finishes</b>	<b>09</b>	<b>09</b>
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 23 00-0006 SF 12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile.....	5.25	1.20
<i>For Furring 1 x 3 Strips 12" On Center, Add</i>	<i>0.50</i>	
<i>For Up To 50, Add</i>	<i>1.88</i>	
<i>For &gt;50 To 200, Add</i>	<i>1.07</i>	
<i>For &gt;200 To 500, Add</i>	<i>0.40</i>	
<i>For &gt;2,500, Deduct</i>	<i>-0.26</i>	
<i>For Ceilings &gt;10' High, Add</i>	<i>0.20</i>	
<b>09 51 33 Acoustical Metal Pan Ceilings (09 51)</b>		
<b>09 51 33 13 Acoustical Snap-in Metal Pan Ceilings (09 51 33)</b>		
<b>09 51 33 13-0001 Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)</b>		
09 51 33 13-0002 SF 24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™).....	21.52	0.96
09 51 33 13-0003 SF 24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™).....	23.04	0.96
<b>09 51 33 13-0004 Aluminum, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)</b>		
09 51 33 13-0005 SF 24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	15.97	1.09
09 51 33 13-0006 SF 24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	27.24	1.09
09 51 33 13-0007 SF 24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	53.52	1.09
09 51 33 13-0008 SF 24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	24.12	1.09
09 51 33 13-0009 SF 24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	16.87	1.09
09 51 33 13-0010 SF 24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	26.54	1.09
09 51 33 13-0011 SF 24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	53.12	1.09
09 51 33 13-0012 SF 24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	23.92	1.09
09 51 33 13-0013 SF 30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	21.81	1.09
09 51 33 13-0014 SF 30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	28.75	1.09
09 51 33 13-0015 SF 30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	59.06	1.09
09 51 33 13-0016 SF 30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	28.45	1.09
09 51 33 13-0017 SF 30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	23.11	1.09
09 51 33 13-0018 SF 30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	29.46	1.09
09 51 33 13-0019 SF 30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	61.08	1.09
09 51 33 13-0020 SF 30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	29.16	1.09
09 51 33 13-0021 SF 12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	19.69	1.09
09 51 33 13-0022 SF 12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	32.38	1.09
09 51 33 13-0023 SF 12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	57.75	1.09
09 51 33 13-0024 SF 12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	27.75	1.09
09 51 33 13-0025 SF 12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	21.20	1.09
09 51 33 13-0026 SF 12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	32.78	1.09
09 51 33 13-0027 SF 12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	59.87	1.09
09 51 33 13-0028 SF 12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	28.65	1.09
09 51 33 13-0029 SF 24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	15.54	1.09
09 51 33 13-0030 SF 24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	24.00	1.09
09 51 33 13-0031 SF 24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	50.18	1.09
09 51 33 13-0032 SF 24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	22.79	1.09
09 51 33 13-0033 SF 24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	16.55	1.09
09 51 33 13-0034 SF 24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	23.80	1.09
09 51 33 13-0035 SF 24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	50.28	1.09

**09 Finishes****09 50 Ceilings****09 51 Acoustical Ceilings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 51 33 13-0036	SF	24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	22.79	1.09
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**09 51 33 23 Acoustical Lay-in Metal Pan Ceilings (09 51 33)**

09 51 33 23-0001		Acoustical Lay-In Metal Pan Ceilings (09 51 33 23)		
09 51 33 23-0002		Aluminum, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)		
09 51 33 23-0003	SF	24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	16.73	0.82
09 51 33 23-0004	SF	24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	19.00	0.82
09 51 33 23-0005	SF	24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.06	0.82
09 51 33 23-0006	SF	24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	23.78	0.82
09 51 33 23-0007	SF	24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	25.55	0.82
09 51 33 23-0008	SF	24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	40.40	0.82
09 51 33 23-0009	SF	30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	25.15	0.82
09 51 33 23-0010	SF	30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	31.27	0.82
09 51 33 23-0011	SF	48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	25.29	0.82
09 51 33 23-0012	SF	48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	31.46	0.82
09 51 33 23-0013	SF	12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	25.42	0.82
09 51 33 23-0014	SF	12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	31.33	0.82
09 51 33 23-0015	SF	24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	25.42	0.82
09 51 33 23-0016	SF	24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	31.59	0.82

**09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)**

09 51 33 23-0018	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	21.69	0.82
09 51 33 23-0019	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	25.92	0.82
09 51 33 23-0020	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	27.83	0.82
09 51 33 23-0021	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	26.12	0.82
09 51 33 23-0022	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	26.82	0.82
09 51 33 23-0023	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	28.43	0.82

**09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings (09 51 33)**

09 51 33 33-0001		Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33)		
09 51 33 33-0002		Steel, Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33-0001)		
09 51 33 33-0003	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.75	0.82
09 51 33 33-0004	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.76	0.82
09 51 33 33-0005	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.21	0.82
09 51 33 33-0006	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.96	0.82
09 51 33 33-0007	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	20.38	0.82
09 51 33 33-0008	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.53	0.82

**09 53 Acoustical Ceiling Suspension Assemblies (09 50)****09 53 13 Curved Profile Ceiling Suspension (09 53)**

09 53 13 00-0001		Perimeter Trim (09 53 13)		
09 53 13 00-0002	LF	2" Straight Section Axiom Perimeter Trim	21.93	
09 53 13 00-0003	LF	4" Straight Section Axiom Perimeter Trim	26.74	
09 53 13 00-0004	LF	6" Straight Section Axiom Perimeter Trim	29.95	
09 53 13 00-0005	EA	2" Corner Section Axiom Perimeter Trim	40.43	
09 53 13 00-0006	EA	4" Corner Section Axiom Perimeter Trim	51.99	
09 53 13 00-0007	EA	6" Corner Section Axiom Perimeter Trim	58.73	

**09 53 23 Metal Acoustical Ceiling Suspension Assemblies (09 53)**

09 53 23 00-0001		Ceiling Suspension Systems (09 53 23)		
Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4" on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.				



<b>Finishes</b>	<b>09</b>	<b>09</b>
<b>Ceilings</b>	<b>09 50</b>	
<b>Acoustical Ceiling Suspension Assemblies</b>	<b>09 53</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0002 SF 1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System .....	4.21	0.54
Note: Excludes ceiling tile.		
For Fastening To Concrete, Add	1.30	
For Fastening To Steel, Add	1.43	
For Vertical Application, Add	2.07	
For Individual Room Quantities <495, Add	0.45	
Note: For use with projects >500 SF		
For Up To 50, Add	1.58	
For >50 To 200, Add	0.90	
For >200 To 500, Add	0.33	
For >2,500 To 4,000, Deduct	-0.10	
For >4,000 To 5,000, Deduct	-0.17	
For >5,000, Deduct	-0.25	
For Ceilings >10' High, Add	0.18	
09 53 23 00-0003 SF 1' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	3.39	0.54
For UL Listed (Fire Guard), Add	0.21	
For 1-1/2" Wide Faced Grid, Add	0.39	
For Fastening To Concrete, Add	1.26	
For Fastening To Steel, Add	1.39	
For Vertical Application, Add	1.73	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For Individual Room Quantities <495, Add	0.37	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.63	
For Up To 50, Add	1.30	
For >50 To 200, Add	0.74	
For >200 To 500, Add	0.27	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.14	
For >5,000, Deduct	-0.20	
For Ceilings >10' High, Add	0.15	
09 53 23 00-0004 SF 2' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	2.85	0.54
For UL Listed (Fire Guard), Add	0.15	
For 1-1/2" Wide Faced Grid, Add	0.29	
For Fastening To Concrete, Add	1.24	
For Fastening To Steel, Add	1.37	
For Vertical Application, Add	1.59	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For Individual Room Quantities <495, Add	0.32	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.46	
For Up To 50, Add	1.16	
For >50 To 200, Add	0.65	
For >200 To 500, Add	0.23	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.12	
For >5,000, Deduct	-0.18	
For Black Grid, Add	0.13	
For Ceilings >10' High, Add	0.14	
For Concealed Spline Grid, Add	0.44	
09 53 23 00-0005 SF 2' x 4' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	2.36	0.54
For UL Listed (Fire Guard), Add	0.13	
For 1-1/2" Wide Faced Grid, Add	0.24	
For Fastening To Concrete, Add	1.21	
For Fastening To Steel, Add	1.34	
For Vertical Application, Add	1.52	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For Individual Room Quantities <495, Add	0.27	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.38	
For Up To 50, Add	0.96	
For >50 To 200, Add	0.54	
For >200 To 500, Add	0.19	
For >2,500 To 4,000, Deduct	-0.05	
For >4,000 To 5,000, Deduct	-0.10	
For >5,000, Deduct	-0.15	
For Black Grid, Add	0.11	
For Ceilings >10' High, Add	0.11	
For Concealed Spline Grid, Add	0.36	
09 53 23 00-0006 SF 1'-8" To 2' x 5' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System .....	2.08	0.54
For UL Listed (Fire Guard), Add	0.12	
For 1-1/2" Wide Faced Grid, Add	0.22	
For Fastening To Concrete, Add	1.19	
For Fastening To Steel, Add	1.32	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For Individual Room Quantities <495, Add	0.24	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.35	
For Up To 50, Add	0.84	
For >50 To 200, Add	0.47	
For >200 To 500, Add	0.17	
For >2,500 To 4,000, Deduct	-0.05	
For >4,000 To 5,000, Deduct	-0.09	
For >5,000, Deduct	-0.13	
For Ceilings >10' High, Add	0.10	

**09 Finishes****09 50 Ceilings****09 53 Acoustical Ceiling Suspension Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0007	SF		2' x 2' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....	3.07	0.54
			<i>For UL Listed (Fire Guard), Add</i>	0.19	
			<i>For Fastening To Concrete, Add</i>	1.24	
			<i>For Fastening To Steel, Add</i>	1.37	
			<i>For Vertical Application, Add</i>	1.59	
			<i>For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add</i>	2.50	
			<i>For Individual Room Quantities &lt;495, Add</i>	0.34	
			<i>Note: For use with projects &gt;500 SF</i>		
			<i>For Up To 50, Add</i>	1.19	
			<i>For &gt;50 To 200, Add</i>	0.67	
			<i>For &gt;200 To 500, Add</i>	0.24	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.07	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.13	
			<i>For &gt;5,000, Deduct</i>	-0.19	
			<i>For Black Grid, Add</i>	0.16	
			<i>For Ceilings &gt;10' High, Add</i>	0.14	
09 53 23 00-0008	SF		2' x 4' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....	2.53	0.54
			<i>For UL Listed (Fire Guard), Add</i>	0.15	
			<i>For Fastening To Concrete, Add</i>	1.21	
			<i>For Fastening To Steel, Add</i>	1.34	
			<i>For Vertical Application, Add</i>	1.52	
			<i>For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add</i>	2.50	
			<i>For Individual Room Quantities &lt;495, Add</i>	0.28	
			<i>Note: For use with projects &gt;500 SF</i>		
			<i>For Up To 50, Add</i>	0.99	
			<i>For &gt;50 To 200, Add</i>	0.56	
			<i>For &gt;200 To 500, Add</i>	0.20	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.06	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.11	
			<i>For &gt;5,000, Deduct</i>	-0.15	
			<i>For Black Grid, Add</i>	0.13	
			<i>For Ceilings &gt;10' High, Add</i>	0.11	
09 53 23 00-0009			<b>Ceiling Suspension System Accessories</b> (09 53 23)		
09 53 23 00-0010	LF		Pencil Rod Support For Suspended Ceiling with Accessories.....	1.36	
09 53 23 00-0011	LF		1" x 1/8" Flat Bar Bracing For Suspended Ceiling.....	3.33	1.52
			<i>For 304 Stainless Steel, Add</i>	2.96	
			<i>For 316 Stainless Steel, Add</i>	3.33	
			<i>For Aluminum, Add</i>	0.19	
			<i>For Galvanized Steel, Add</i>	0.64	
09 53 23 00-0012	LF		1" x 3/16" Flat Bar Bracing For Suspended Ceiling.....	4.76	1.63
			<i>For 304 Stainless Steel, Add</i>	4.50	
			<i>For 316 Stainless Steel, Add</i>	5.06	
			<i>For Aluminum, Add</i>	0.28	
			<i>For Galvanized Steel, Add</i>	0.98	
09 53 23 00-0013	LF		1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling.....	6.75	1.74
			<i>For 304 Stainless Steel, Add</i>	9.01	
			<i>For 316 Stainless Steel, Add</i>	10.11	
			<i>For Aluminum, Add</i>	0.57	
			<i>For Galvanized Steel, Add</i>	1.96	
09 53 23 00-0014	EA		2', Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee.....	6.66	0.31
			<i>Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.</i>		
09 53 23 00-0015	EA		Lateral Support For Suspended Ceiling Channel, Installed 12'-0" On Center Maximum.....	29.30	8.54
			<i>Note: Includes vertical centerl strut and four 12 gauge diagonal wires.</i>		
09 53 23 00-0016	EA		Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure.....	72.20	22.15
09 53 23 00-0017	EA		>30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure.....	74.79	22.57
09 53 23 00-0018	EA		>48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure.....	83.65	22.57
09 53 23 00-0019			<b>Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly</b> (09 53 23)		
			<i>Note: 2'x2' Or 2'x4'. Includes storage and cleaning.</i>		
09 53 23 00-0020	SF		Removal And Reinstallation Of Acoustical Ceiling Tile And Grid, 2' x 2' Or 2' x 4'.....	3.01	
			<i>Note: Suspension system tie wire, wall angles and bracing to remain in place.</i>		
			<i>For Up To 50, Add</i>	1.66	
			<i>For &gt;50 To 200, Add</i>	0.90	
			<i>For &gt;200 To 500, Add</i>	0.30	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.08	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.15	
			<i>For &gt;5,000, Deduct</i>	-0.23	
			<i>For Ceilings &gt;10' High, Add</i>	0.23	
09 53 23 00-0021	SF		Removal And Reinstallation Of Grid System Only.....	1.31	
			<i>Note: Suspension system tie wire, wall angles and bracing to remain in place.</i>		
			<i>For Up To 50, Add</i>	0.72	
			<i>For &gt;50 To 200, Add</i>	0.39	
			<i>For &gt;200 To 500, Add</i>	0.13	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.03	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000, Deduct</i>	-0.10	
			<i>For Ceilings &gt;10' High, Add</i>	0.10	

**09 54 Specialty Ceilings** (09 50)



<b>Finishes</b>	<b>09</b>	<b>09</b>
Ceilings	09 50	
Specialty Ceilings	09 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**09 54 16 Luminous Ceilings** (09 54)

**09 54 16 00-0001 Translucent Ceiling Panels** (09 54 16)

09 54 16 00-0002 SF 2' x 2' x 0.013" Thick, Rigid Vinyl Plastic, Translucent Ceiling Panel .....	3.64	0.54
For Ceilings >10' High, Add	0.09	
For >100 To 200, Deduct	-0.17	
For >200 To 300, Deduct	-0.42	
For >300, Deduct	-0.72	

**09 54 23 Linear Metal Ceilings** (09 54)

**09 54 23 00-0001 Linear Ceiling Systems** (09 54 23)

**09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems** (09 54 23 00-0001)

Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.

09 54 23 00-0003 SF 4" Panel Width, 0.032" Aluminum, Linear Ceiling System .....	21.47	2.44
For Up To 50, Add	5.56	
For >50 To 200, Add	3.32	
For >200 To 500, Add	1.37	
For >2,500, Deduct	-1.07	
For Ceilings >10' High, Add	0.44	
For Linear Ceiling Systems Without Filler Strips, Deduct	-3.88	
For Curved Ceilings, Add	1.39	
09 54 23 00-0004 SF 8" Panel Width, 0.032" Aluminum, Linear Ceiling System .....	17.34	2.44
For Up To 50, Add	4.89	
For >50 To 200, Add	2.88	
For >200 To 500, Add	1.15	
For >2,500, Deduct	-0.87	
For Ceilings >10' High, Add	0.43	
For Linear Ceiling Systems Without Filler Strips, Deduct	-1.94	
For Curved Ceilings, Add	1.37	
09 54 23 00-0005 SF 12" Panel Width, 0.032" Aluminum, Linear Ceiling System .....	15.74	2.44
For Up To 50, Add	4.60	
For >50 To 200, Add	2.69	
For >200 To 500, Add	1.07	
For >2,500, Deduct	-0.79	
For Ceilings >10' High, Add	0.42	
For Linear Ceiling Systems Without Filler Strips, Deduct	-1.29	
For Curved Ceilings, Add	1.34	

**09 54 23 00-0006 Tin Ceilings** (09 54 23)

09 54 23 00-0007 SF 2' x 2' Tin Ceiling Embossed Panels .....	21.87	3.78
For Up To 50, Add	5.10	
For >50 To 200, Add	3.10	
For >200 To 500, Add	1.32	
For >2,500, Deduct	-1.09	
For Ceilings >10' High, Add	0.34	
09 54 23 00-0008 SF 12" x 12" Tin Ceiling Embossed Plates .....	32.41	2.44
For Up To 50, Add	6.78	
For >50 To 200, Add	4.20	
For >200 To 500, Add	1.86	
For >2,500, Deduct	-1.62	
For Ceilings >10' High, Add	0.36	
09 54 23 00-0009 SF 12" x 24" Tin Ceiling Embossed Plates .....	23.63	2.44
For Up To 50, Add	5.46	
For >50 To 200, Add	3.32	
For >200 To 500, Add	1.42	
For >2,500, Deduct	-1.18	
For Ceilings >10' High, Add	0.36	
09 54 23 00-0010 SF 24" x 24" Tin Ceiling Embossed Plates .....	21.70	2.44
For Up To 50, Add	5.03	
For >50 To 200, Add	3.06	
For >200 To 500, Add	1.31	
For >2,500, Deduct	-1.09	
For Ceilings >10' High, Add	0.33	
09 54 23 00-0011 SF 24" x 48" Tin Ceiling Embossed Plates .....	18.93	1.82
For Up To 50, Add	4.39	
For >50 To 200, Add	2.67	
For >200 To 500, Add	1.14	
For >2,500, Deduct	-0.95	
For Ceilings >10' High, Add	0.29	
09 54 23 00-0012 LF 3" Or 4" Wide Embossed Molding .....	14.74	3.66
09 54 23 00-0013 LF 6" Wide Embossed Molding .....	18.46	4.26
09 54 23 00-0014 LF 12" Wide Embossed Molding .....	24.79	4.99
09 54 23 00-0015 EA 3", 4" Or 6" Wide Embossed Cross, Tee Or Ell .....	42.65	11.56
09 54 23 00-0016 EA 12" Wide Embossed Cross, Tee Or Ell .....	59.24	13.51

**09 57 Special Function Ceilings** (09 50)

**09 57 63 High Impact Ceilings** (09 57)

<b>09</b>	<b>09 Finishes</b>
	<b>09 50 Ceilings</b>
	<b>09 57 Special Function Ceilings</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 57 63 00-0001 High Impact Ceilings</b> <small>(09 57 63)</small>		
09 57 63 00-0002 SF Polyvinyl Chloride Face High Impact Ceiling Panels.....	6.82	1.09
For Ceilings >10' High, Add	0.13	
09 57 63 00-0003 EA High Impact Clips.....	4.05	0.88
For Ceilings >10' High, Add	0.20	
<b>09 60 Flooring</b> <small>(09)</small>		
Note: Perform moisture testing as recommended by manufacturer.		
<b>09 61 Flooring Treatment</b> <small>(09 60)</small>		
<b>09 61 13 Slip-Resistant Flooring Treatment</b> <small>(09 61)</small>		
<b>09 61 13 00-0001 Anti-Slip Tape</b> <small>(09 61 13)</small>		
Note: Grit sandpaper surface with adhesive back.		
09 61 13 00-0002 LF 1" Anti-Slip Tape.....	2.89	2.17
09 61 13 00-0003 LF 2" Anti-Slip Tape.....	3.67	2.40
09 61 13 00-0004 LF 3" Anti-Slip Tape.....	4.43	2.64
09 61 13 00-0005 LF 4" Anti-Slip Tape.....	5.14	2.90
09 61 13 00-0006 LF 6" Anti-Slip Tape.....	6.57	3.19
09 61 13 00-0007 LF 12" Anti-Slip Tape.....	11.51	4.78
09 61 13 00-0008 LF 24" Anti-Slip Tape.....	16.29	7.18
<b>09 63 Masonry Flooring</b> <small>(09 60)</small>		
<b>09 63 13 Brick Flooring</b> <small>(09 63)</small>		
<b>09 63 13 00-0001 Clay Bricks</b> <small>(09 63 13)</small>		
09 63 13 00-0002 SF 2-1/4" Thick Clay Brick Floor.....	25.75	9.87
For Basket Weave Pattern, Add	2.11	
For Herringbone Pattern, Add	2.81	
For Epoxy Joints, Add	5.24	
09 63 13 00-0003 SF 3" Thick Clay Brick Floor.....	28.66	9.87
For Basket Weave Pattern, Add	2.11	
For Herringbone Pattern, Add	2.81	
For Epoxy Joints, Add	5.24	
09 63 13 00-0004 SF 1/2" Thick Unglazed Clay Brick Floor.....	17.58	9.87
For Basket Weave Pattern, Add	2.11	
For Herringbone Pattern, Add	2.81	
For Epoxy Joints, Add	5.24	
09 63 13 00-0005 SF 1/2" Thick Glazed Clay Brick Floor.....	20.21	9.87
For Basket Weave Pattern, Add	2.11	
For Herringbone Pattern, Add	2.81	
For Epoxy Joints, Add	5.24	
09 63 13 00-0006 SF 3/4" Thick Unglazed Clay Brick Floor.....	18.76	9.87
For Basket Weave Pattern, Add	2.11	
For Herringbone Pattern, Add	2.81	
For Epoxy Joints, Add	5.24	
09 63 13 00-0007 SF 3/4" Thick Glazed Clay Brick Floor.....	22.26	9.87
For Basket Weave Pattern, Add	2.11	
For Herringbone Pattern, Add	2.81	
For Epoxy Joints, Add	5.24	
09 63 13 00-0008 SF 15/16" Thick Unglazed Clay Brick Floor.....	19.89	9.87
For Basket Weave Pattern, Add	2.11	
For Herringbone Pattern, Add	2.81	
For Epoxy Joints, Add	5.24	
09 63 13 00-0009 SF 15/16" Thick Glazed Clay Brick Floor.....	24.32	9.87
For Basket Weave Pattern, Add	2.11	
For Herringbone Pattern, Add	2.81	
For Epoxy Joints, Add	5.24	
<b>09 63 43 Composition Stone Flooring</b> <small>(09 63)</small>		
<b>09 63 43 00-0001 Cupric Oxychloride Cement, Seamless Flooring System</b> <small>(09 63 43)</small>		
Note: Chemical and slip resistant. OSHA and USDA approved.		
09 63 43 00-0002 SF 3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied.....	17.89	5.64
<b>09 64 Wood Flooring</b> <small>(09 60)</small>		
<b>09 64 13 Wood Flooring Underlayment</b> <small>(09 64)</small>		
<b>09 64 13 00-0001 Wood Flooring Underlayment</b> <small>(09 64 13)</small>		
09 64 13 00-0002 SF Regular Weight Red Rosin Paper, Wood Flooring Underlayment.....	0.50	
09 64 13 00-0003 SF Heavy Weight Red Rosin Paper, Wood Flooring Underlayment.....	0.52	
09 64 13 00-0004 SF 30 LB, Waxed Paper, Wood Flooring Underlayment.....	0.55	
09 64 13 00-0005 SF 15 LB, Asphalt Saturated Organic Felt, Wood Flooring Underlayment.....	0.59	
09 64 13 00-0006 SF 6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment.....	0.55	
09 64 13 00-0007 SF 8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment.....	0.60	
09 64 13 00-0008 SF 1/8" Thick, Natural Cork, Wood Flooring Underlayment.....	2.28	0.35





<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Wood Flooring	09 64	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 13 00-0009	SF	1/4" Thick, Natural Cork, Wood Flooring Underlayment .....	2.38	0.35
09 64 13 00-0010	SF	3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15) .....	0.87	
09 64 13 00-0011	SF	2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180) .....	1.07	
09 64 13 00-0012	SF	4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193) .....	1.16	
09 64 13 00-0013	SF	2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026) .....	1.40	
09 64 13 00-0014	SF	1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105) .....	1.42	0.23
<b>09 64 23 Wood Parquet Flooring (09 64)</b>				
Note: All wood parquet flooring is prefinished at factory.				
<b>09 64 23 00-0001 Hardwood Parquet Flooring (09 64 23)</b>				
09 64 23 00-0002	SF	5/16" Thick Oak Parquet Flooring .....	12.41	1.09
		For Up To 20, Add	4.93	
		For >20 To 50, Add	2.60	
		For >50 To 100, Add	1.30	
		For >100 To 300, Add	0.65	
<b>09 64 29 Wood Strip and Plank Flooring (09 64)</b>				
Note: All wood strip flooring is unfinished, tongue and groove.				
<b>09 64 29 00-0001 Unfinished Fir, Wood Strip Flooring (09 64 29)</b>				
09 64 29 00-0002	SF	3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring .....	13.54	1.09
		For Factory Finish, Add	0.86	
		For Random Width Floor, Add	3.14	
		For Up To 20, Add	4.24	
		For >20 To 50, Add	2.33	
		For >50 To 100, Add	1.17	
		For >100 To 300, Add	0.58	
09 64 29 00-0003	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring .....	10.91	1.09
		For Factory Finish, Add	0.45	
		For Random Width Floor, Add	2.41	
		For Up To 20, Add	4.52	
		For >20 To 50, Add	2.37	
		For >50 To 100, Add	1.19	
		For >100 To 300, Add	0.59	
09 64 29 00-0006	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring .....	11.50	1.09
		For Factory Finish, Add	0.51	
		For Random Width Floor, Add	2.56	
		For Up To 20, Add	4.61	
		For >20 To 50, Add	2.43	
		For >50 To 100, Add	1.22	
		For >100 To 300, Add	0.61	
09 64 29 00-0007	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring .....	12.38	1.09
		For Factory Finish, Add	0.60	
		For Random Width Floor, Add	2.78	
		For Up To 20, Add	4.74	
		For >20 To 50, Add	2.52	
		For >50 To 100, Add	1.26	
		For >100 To 300, Add	0.63	
09 64 29 00-0008	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring .....	9.61	1.09
		For Factory Finish, Add	0.47	
		For Random Width Floor, Add	2.16	
		For Up To 20, Add	3.65	
		For >20 To 50, Add	1.94	
		For >50 To 100, Add	0.97	
		For >100 To 300, Add	0.49	
09 64 29 00-0009	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring .....	10.08	1.09
		For Factory Finish, Add	0.52	
		For Random Width Floor, Add	2.28	
		For Up To 20, Add	3.72	
		For >20 To 50, Add	1.99	
		For >50 To 100, Add	0.99	
		For >100 To 300, Add	0.50	
09 64 29 00-0010	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring .....	10.98	1.09
		For Factory Finish, Add	0.61	
		For Random Width Floor, Add	2.50	
		For Up To 20, Add	3.85	
		For >20 To 50, Add	2.08	
		For >50 To 100, Add	1.04	
		For >100 To 300, Add	0.52	
09 64 29 00-0011	SF	Unfinished Red Oak, Wood Strip Flooring (09 64 29 00-0003) .....		

**09 Finishes****09 60 Flooring****09 64 Wood Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0012	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	11.01	1.09
			<i>For Factory Finish, Add</i>	0.46	
			<i>For Random Width Floor, Add</i>	2.43	
			<i>For Up To 20, Add</i>	4.53	
			<i>For &gt;20 To 50, Add</i>	2.38	
			<i>For &gt;50 To 100, Add</i>	1.19	
			<i>For &gt;100 To 300, Add</i>	0.60	
09 64 29 00-0013	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	11.60	1.09
			<i>For Factory Finish, Add</i>	0.52	
			<i>For Random Width Floor, Add</i>	2.58	
			<i>For Up To 20, Add</i>	4.62	
			<i>For &gt;20 To 50, Add</i>	2.44	
			<i>For &gt;50 To 100, Add</i>	1.22	
			<i>For &gt;100 To 300, Add</i>	0.61	
09 64 29 00-0014	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring .....	12.48	1.09
			<i>For Factory Finish, Add</i>	0.61	
			<i>For Random Width Floor, Add</i>	2.80	
			<i>For Up To 20, Add</i>	4.75	
			<i>For &gt;20 To 50, Add</i>	2.53	
			<i>For &gt;50 To 100, Add</i>	1.26	
			<i>For &gt;100 To 300, Add</i>	0.63	
09 64 29 00-0015	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	9.70	1.09
			<i>For Factory Finish, Add</i>	0.48	
			<i>For Random Width Floor, Add</i>	2.18	
			<i>For Up To 20, Add</i>	3.66	
			<i>For &gt;20 To 50, Add</i>	1.95	
			<i>For &gt;50 To 100, Add</i>	0.98	
			<i>For &gt;100 To 300, Add</i>	0.49	
09 64 29 00-0016	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	10.29	1.09
			<i>For Factory Finish, Add</i>	0.54	
			<i>For Random Width Floor, Add</i>	2.33	
			<i>For Up To 20, Add</i>	3.75	
			<i>For &gt;20 To 50, Add</i>	2.01	
			<i>For &gt;50 To 100, Add</i>	1.00	
			<i>For &gt;100 To 300, Add</i>	0.50	
09 64 29 00-0017	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring.....	11.08	1.09
			<i>For Factory Finish, Add</i>	0.62	
			<i>For Random Width Floor, Add</i>	2.53	
			<i>For Up To 20, Add</i>	3.87	
			<i>For &gt;20 To 50, Add</i>	2.09	
			<i>For &gt;50 To 100, Add</i>	1.04	
			<i>For &gt;100 To 300, Add</i>	0.52	
09 64 29 00-0018			<b>Unfinished Maple, Wood Strip Flooring</b> (09 64 29)		
09 64 29 00-0019			<b>25/32" Thick, Unfinished Maple, Wood Strip Flooring</b> (09 64 29 00-0018)		
09 64 29 00-0020	SF		2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	13.16	1.09
			<i>For Factory Finish, Add</i>	0.68	
			<i>For Random Width Floor, Add</i>	2.97	
			<i>For Up To 20, Add</i>	4.85	
			<i>For &gt;20 To 50, Add</i>	2.60	
			<i>For &gt;50 To 100, Add</i>	1.30	
			<i>For &gt;100 To 300, Add</i>	0.65	
09 64 29 00-0021	SF		2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	12.18	1.09
			<i>For Factory Finish, Add</i>	0.58	
			<i>For Random Width Floor, Add</i>	2.73	
			<i>For Up To 20, Add</i>	4.71	
			<i>For &gt;20 To 50, Add</i>	2.50	
			<i>For &gt;50 To 100, Add</i>	1.25	
			<i>For &gt;100 To 300, Add</i>	0.62	
09 64 29 00-0022	SF		3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	12.06	1.09
			<i>For Factory Finish, Add</i>	0.72	
			<i>For Random Width Floor, Add</i>	2.77	
			<i>For Up To 20, Add</i>	4.01	
			<i>For &gt;20 To 50, Add</i>	2.19	
			<i>For &gt;50 To 100, Add</i>	1.09	
			<i>For &gt;100 To 300, Add</i>	0.55	
09 64 29 00-0023	SF		3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	11.08	1.09
			<i>For Factory Finish, Add</i>	0.62	
			<i>For Random Width Floor, Add</i>	2.53	
			<i>For Up To 20, Add</i>	3.87	
			<i>For &gt;20 To 50, Add</i>	2.09	
			<i>For &gt;50 To 100, Add</i>	1.04	
			<i>For &gt;100 To 300, Add</i>	0.52	
09 64 29 00-0024			<b>33/32" Thick, Unfinished Maple, Wood Strip Flooring</b> (09 64 29 00-0018)		



<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Wood Flooring	09 64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0025 SF 2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring .....	15.28	1.09
<i>For Factory Finish, Add</i>	0.89	
<i>For Random Width Floor, Add</i>	3.50	
<i>For Up To 20, Add</i>	5.17	
<i>For &gt;20 To 50, Add</i>	2.81	
<i>For &gt;50 To 100, Add</i>	1.40	
<i>For &gt;100 To 300, Add</i>	0.70	
09 64 29 00-0026 SF 2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring .....	13.97	1.09
<i>For Factory Finish, Add</i>	0.76	
<i>For Random Width Floor, Add</i>	3.17	
<i>For Up To 20, Add</i>	4.98	
<i>For &gt;20 To 50, Add</i>	2.68	
<i>For &gt;50 To 100, Add</i>	1.34	
<i>For &gt;100 To 300, Add</i>	0.67	
09 64 29 00-0027 SF 3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring .....	14.31	1.09
<i>For Factory Finish, Add</i>	0.94	
<i>For Random Width Floor, Add</i>	3.33	
<i>For Up To 20, Add</i>	4.35	
<i>For &gt;20 To 50, Add</i>	2.41	
<i>For &gt;50 To 100, Add</i>	1.21	
<i>For &gt;100 To 300, Add</i>	0.60	
09 64 29 00-0028 SF 3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring .....	13.00	1.09
<i>For Factory Finish, Add</i>	0.81	
<i>For Random Width Floor, Add</i>	3.01	
<i>For Up To 20, Add</i>	4.16	
<i>For &gt;20 To 50, Add</i>	2.28	
<i>For &gt;50 To 100, Add</i>	1.14	
<i>For &gt;100 To 300, Add</i>	0.57	
<b>09 64 29 00-0029 Prefinished Engineered Wood Flooring</b> <small>(09 64 29)</small>		
Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.		
09 64 29 00-0030 SF 1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring .....	16.02	1.09
<i>For Up To 20, Add</i>	4.32	
<i>For &gt;20 To 50, Add</i>	2.46	
<i>For &gt;50 To 100, Add</i>	1.23	
<i>For &gt;100 To 300, Add</i>	0.61	
09 64 29 00-0031 SF 1/2" Thick, White Oak, Prefinished Engineered Wood Flooring .....	16.02	1.09
<i>For Up To 20, Add</i>	4.32	
<i>For &gt;20 To 50, Add</i>	2.46	
<i>For &gt;50 To 100, Add</i>	1.23	
<i>For &gt;100 To 300, Add</i>	0.61	
09 64 29 00-0032 SF 1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring .....	15.51	1.09
<i>For Up To 20, Add</i>	4.25	
<i>For &gt;20 To 50, Add</i>	2.41	
<i>For &gt;50 To 100, Add</i>	1.20	
<i>For &gt;100 To 300, Add</i>	0.60	
09 64 29 00-0033 SF 1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring .....	15.90	1.09
<i>For Up To 20, Add</i>	4.31	
<i>For &gt;20 To 50, Add</i>	2.44	
<i>For &gt;50 To 100, Add</i>	1.22	
<i>For &gt;100 To 300, Add</i>	0.61	
<b>09 64 33 Laminated Wood Flooring</b> <small>(09 64)</small>		
09 64 33 00-0001 <b>Laminate Flooring Without Underlayment</b> <small>(09 64 33)</small>		
09 64 33 00-0002 SF Laminate Floor, Blocked - Beech, Oak, Red Oak, And Dark Cherry .....	14.42	3.47
09 64 33 00-0003 SF Laminate Floor, Mature Pine, Light Maple .....	15.21	3.47
Note: Planked - cherry, and oak.		
09 64 33 00-0004 SF 10mm x 11.57" x 46.3" Laminate Flooring .....	16.28	1.84
Note: DuPont Saltillo		
<i>For Up To 50, Add</i>	9.58	
<i>For &gt;50 To 250, Add</i>	1.47	
<i>For &gt;1,000, Deduct</i>	-0.74	
09 64 33 00-0005 <b>Laminate Flooring With Underlayment</b> <small>(09 64 33)</small>		
09 64 33 00-0006 SF Laminate Floor, With Attached Underlayment, Antique Amber Oak .....	16.92	3.47
Note: Also comes in Rustic Red Oak.		
09 64 33 00-0007 SF Laminate Floor, With Attached Underlayment, Renovation Pine .....	17.69	3.47
Note: Also comes in Weathered Wheat Oak.		
09 64 33 00-0008 <b>Sound Control Matting</b> <small>(09 64 33)</small>		
09 64 33 00-0009 SF Sound Control Matting .....	3.39	0.52
<b>09 64 53 Resilient Wood Flooring Assemblies</b> <small>(09 64)</small>		
09 64 53 00-0001 <b>Stage Floors</b> <small>(09 64 53)</small>		
Note: Includes shims, sleepers and/or screeds, damp proofing membrane, and finish.		

<b>09</b>	<b>Finishes</b>
<b>09 60</b>	<b>Flooring</b>
<b>09 64</b>	<b>Wood Flooring</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 53 00-0002	SF		1-1/2" Thick Tongue And Groove Resilient Wood Stage Flooring ..... Note: Includes 6 mil polyethylene damp proofing membrane, 3/8" thick hollow rubber or neoprene resilient mounts, 1-1/2" thick x 3" wide wood sleepers, 1-1/2" thick fiberglass insulation board between sleepers, fasteners, wood filler, and finish.	46.58	10.89
<b>09 64 53 00-0003</b>			<b>Dance And Aerobic Floors (09 64 53)</b> Note: Includes vapor barrier, resilient pads, sub-floor, and finish.		
09 64 53 00-0004	SF		25/32" x 2-1/4" Resilient Wood Dance Or Aerobic Flooring ..... Note: Tongue and groove, northern hard maple. Includes 6 mil polyethylene vapor barrier, 3/4" thick hemispherical two stage polyurethane resilient pads, 2 layers of 15/32" subflooring, fasteners, wood filler and seven-coat finish.	43.06	7.89
<b>09 64 66</b>			<b>Wood Athletic Flooring (09 64)</b> Note: 1-1/2" or 2-1/4" widths. Excludes finish.		
<b>09 64 66 00-0001</b>			<b>Wood Gym/Stage/Dance Floors Applied On Existing Subfloor (09 64 66)</b> Note: Includes sanding. Excludes concrete repairs to subbase, subflooring, thresholds, and finishing.		
09 64 66 00-0002	SF		25/32" Maple Wood Gym/Stage/Dance Floor ..... <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	15.21 -0.20 -0.30 0.50	5.45
09 64 66 00-0003	SF		33/32" Maple Wood Gym/Stage/Dance Floor ..... <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	18.20 -0.20 -0.30 0.50	5.67
<b>09 64 66 00-0004</b>			<b>Wood Gym/Stage/Dance Floor Systems (09 64 66)</b> Note: Includes sanding. Excludes concrete repairs to subbase, thresholds, and finishing.		
09 64 66 00-0005	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion) ..... Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads. <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	20.30 -0.20 -0.30 0.50	7.08
09 64 66 00-0006	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok) ..... Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads. <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	21.48 -0.20 -0.30 0.50	7.08
09 64 66 00-0007	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex) ..... Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper. <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	24.01 -0.20 -0.30 0.50	7.08
09 64 66 00-0008	SF		Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus) ..... Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips. <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	22.86 -0.20 -0.30 0.50	7.08
09 64 66 00-0009	SF		Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock) ..... Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel. <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	25.83 -0.20 -0.30 0.50	7.08
<b>09 65</b>			<b>Resilient Flooring (09 60)</b> See CSI section 03 54 16 00-0001 for self leveling underlayment for uneven floors.		
<b>09 65 13</b>			<b>Resilient Base and Accessories (09 65)</b>		
<b>09 65 13 13</b>			<b>Resilient Base (09 65 13)</b>		
<b>09 65 13 13-0001</b>			<b>Type TV Thermoplastic Vinyl Wall Base (09 65 13 13)</b> Note: Includes inside and outside corners.		
09 65 13 13-0002	LF		2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors ..... <i>For Up To 20, Add</i> <i>For &gt;20 To 40, Add</i> <i>For &gt;40 To 80, Add</i> <i>For &gt;240 To 960, Deduct</i> <i>For &gt;960, Deduct</i>	3.04 1.13 0.64 0.24 -0.22 -0.33	0.85



<b>Finishes</b>	<b>09</b>	<b>09</b>
<b>Flooring</b>	<b>09 60</b>	
<b>Resilient Flooring</b>	<b>09 65</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0003 LF 4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors .....	3.56	0.85
For Up To 20, Add	1.21	
For >20 To 40, Add	0.69	
For >40 To 80, Add	0.26	
For >240 To 960, Deduct	-0.27	
For >960, Deduct	-0.41	
09 65 13 13-0004 LF 6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors .....	4.66	0.85
For Up To 20, Add	1.37	
For >20 To 40, Add	0.80	
For >40 To 80, Add	0.32	
For >240 To 960, Deduct	-0.38	
For >960, Deduct	-0.57	
<b>09 65 13 13-0005 Type TP Thermoplastic Rubber Wall Base (09 65 13 13)</b>		
Note: Includes inside and outside corners.		
09 65 13 13-0006 LF 2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	3.37	0.85
For Up To 20, Add	1.18	
For >20 To 40, Add	0.67	
For >40 To 80, Add	0.25	
For >240 To 960, Deduct	-0.25	
For >960, Deduct	-0.38	
09 65 13 13-0007 LF 4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	3.76	0.85
For Up To 20, Add	1.24	
For >20 To 40, Add	0.71	
For >40 To 80, Add	0.27	
For >240 To 960, Deduct	-0.29	
For >960, Deduct	-0.44	
09 65 13 13-0008 LF 6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	4.83	0.85
For Up To 20, Add	1.40	
For >20 To 40, Add	0.82	
For >40 To 80, Add	0.33	
For >240 To 960, Deduct	-0.40	
For >960, Deduct	-0.60	
09 65 13 13-0009 LF 2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	6.33	0.85
For Up To 20, Add	1.62	
For >20 To 40, Add	0.97	
For >40 To 80, Add	0.40	
For >240 To 960, Deduct	-0.55	
For >960, Deduct	-0.82	
09 65 13 13-0010 LF 3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	6.66	0.85
For Up To 20, Add	1.67	
For >20 To 40, Add	1.00	
For >40 To 80, Add	0.42	
For >240 To 960, Deduct	-0.58	
For >960, Deduct	-0.87	
09 65 13 13-0011 LF 4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	8.34	0.85
For Up To 20, Add	1.92	
For >20 To 40, Add	1.17	
For >40 To 80, Add	0.50	
For >240 To 960, Deduct	-0.75	
For >960, Deduct	-1.13	
09 65 13 13-0012 LF 6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	11.69	0.85
For Up To 20, Add	2.43	
For >20 To 40, Add	1.51	
For >40 To 80, Add	0.67	
For >240 To 960, Deduct	-1.09	
For >960, Deduct	-1.63	
<b>09 65 13 13-0013 Type TS Thermoset Vulcanized Rubber Wall Base (09 65 13 13)</b>		
Note: Includes inside and outside corners.		
09 65 13 13-0014 LF 2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors .....	3.80	1.01
For Up To 20, Add	1.24	
For >20 To 40, Add	0.72	
For >40 To 80, Add	0.27	
For >240 To 960, Deduct	-0.30	
For >960, Deduct	-0.44	
09 65 13 13-0015 LF 4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors .....	3.81	0.85
For Up To 20, Add	1.24	
For >20 To 40, Add	0.72	
For >40 To 80, Add	0.27	
For >240 To 960, Deduct	-0.30	
For >960, Deduct	-0.45	
09 65 13 13-0016 LF 6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors .....	5.72	1.01
For Up To 20, Add	1.67	
For >20 To 40, Add	0.98	
For >40 To 80, Add	0.39	
For >240 To 960, Deduct	-0.47	
For >960, Deduct	-0.71	
<b>09 65 13 23 Resilient Stair Treads and Risers (09 65 13)</b>		
Note: All treads have integral nosing. Abrasive strip modifier includes either 1 or 2 strips running the length of the tread. All colors.		

<b>09</b>	<b>09 Finishes</b>
	<b>09 60 Flooring</b>
	<b>09 65 Resilient Flooring</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 65 13 23-0001 Rubber Stair Treads and Risers</b> (09 65 13 23)		
<b>09 65 13 23-0002 Raised Disc Or Other Patterned Rubber Stair Tread</b> (09 65 13 23-0001)		
09 65 13 23-0003 LF 3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread ..... Note: Raised disc or other pattern.	12.71	1.35
For Abrasive Strip, Add	2.75	
For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0004 LF 1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread ..... Note: Raised disc or other pattern.	13.65	1.45
For Abrasive Strip, Add	2.75	
For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0005 LF 5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread ..... Note: Raised disc or other pattern.	16.71	1.55
For Abrasive Strip, Add	2.75	
For Photo Luminescent Abrasive Strip, Add	3.75	
<b>09 65 13 23-0006 Smooth Surface Rubber Stair Tread</b> (09 65 13 23-0001)		
09 65 13 23-0007 LF 3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread ..... Note: Smooth surface.	11.93	1.35
For Abrasive Strip, Add	2.75	
For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0008 LF 1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread ..... Note: Smooth surface.	12.61	1.45
For Abrasive Strip, Add	2.75	
For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0009 LF 5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread ..... Note: Smooth surface.	15.55	1.56
For Abrasive Strip, Add	2.75	
For Photo Luminescent Abrasive Strip, Add	3.75	
<b>09 65 13 23-0010 Smooth Surface Rubber Stair Riser</b> (09 65 13 23-0001)		
09 65 13 23-0011 LF 1/8" Thick, Smooth Surface Rubber Stair Riser .....	6.95	0.81
<b>09 65 13 23-0012 Smooth, Raised Disc or Other Patterned Rubber Landing Mats</b> (09 65 13 23-0001)		
09 65 13 23-0013 SF 1/8" Thick, Rubber Landing Mats .....	23.19	1.25
Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0014 SF 3/16" Thick, Rubber Landing Mats .....	27.95	1.35
Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0015 SF 7/32" Thick, Rubber Landing Mats .....	30.41	1.52
Note: Smooth, raised disc or other patterned surface.		
<b>09 65 13 23-0016 Vinyl Stair Treads and Risers</b> (09 65 13 23)		
<b>09 65 13 23-0017 Ribbed Vinyl Stair Tread</b> (09 65 13 23-0016)		
09 65 13 23-0018 LF 1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread .....	15.19	1.23
For Abrasive Strip, Add	2.75	
09 65 13 23-0019 LF 3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread .....	16.83	1.35
For Abrasive Strip, Add	2.75	
09 65 13 23-0020 LF 1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread .....	20.51	1.46
For Abrasive Strip, Add	2.75	
<b>09 65 13 23-0021 Smooth Surface Vinyl Stair Riser</b> (09 65 13 23-0016)		
09 65 13 23-0022 LF 1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser .....	8.27	0.81
<b>09 65 13 33 Resilient Accessories</b> (09 65 13)		
<b>09 65 13 33-0001 Flexible Self Leveling Cementitious Underlayments</b> (09 65 13 33)		
09 65 13 33-0002 SF 1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers .....	1.40	0.68
09 65 13 33-0003 SF 1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers .....	2.22	0.68
<b>09 65 13 33-0004 Concrete Floor Prep</b> (09 65 13 33)		
09 65 13 33-0005 SF Removal Of Glue From Concrete Floor .....	0.85	
Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.		
<b>09 65 13 36 Resilient Carpet Transitions</b> (09 65 13)		
<b>09 65 13 36-0001 Vinyl Transition Strip</b> (09 65 13 36)		
09 65 13 36-0002 LF Vinyl Transition Strip, Brown Or Black .....	1.77	0.61
For >240 To 960, Deduct	-0.13	
For >960, Deduct	-0.20	
09 65 13 36-0003 LF Vinyl Floor Tile Reducer Strip, Brown Or Black .....	1.57	0.61
For >240 To 960, Deduct	-0.11	
For >960, Deduct	-0.17	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Resilient Flooring	09 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0004 LF Vinyl Floor Tile Feature Strip, Brown Or Black.....	1.34	0.61
For >240 To 960, Deduct	-0.09	
For >960, Deduct	-0.14	
09 65 13 36-0005 LF 1/4" To 1/8" Material, Narrow, Vinyl, Slim Line Transition (Johnsonite SLT-XX-A).....	2.48	0.85
For Up To 20, Add	0.91	
For >20 To 40, Add	0.52	
For >40 To 80, Add	0.19	
For >240 To 960, Deduct	-0.18	
For >960, Deduct	-0.27	
<b>09 65 13 36-0006 Vinyl, Wheeled Traffic Transitions (09 65 13 36)</b>		
09 65 13 36-0007 LF 1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A).....	3.20	0.85
For Up To 20, Add	1.02	
For >20 To 40, Add	0.59	
For >40 To 80, Add	0.23	
For >240 To 960, Deduct	-0.25	
For >960, Deduct	-0.38	
09 65 13 36-0008 LF 1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C).....	3.20	0.85
For Up To 20, Add	1.02	
For >20 To 40, Add	0.59	
For >40 To 80, Add	0.23	
For >240 To 960, Deduct	-0.25	
For >960, Deduct	-0.38	
09 65 13 36-0009 LF 5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D).....	4.03	0.85
For Up To 20, Add	1.14	
For >20 To 40, Add	0.67	
For >40 To 80, Add	0.27	
For >240 To 960, Deduct	-0.34	
For >960, Deduct	-0.50	
09 65 13 36-0010 LF 1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H).....	6.95	0.85
For Up To 20, Add	1.58	
For >20 To 40, Add	0.97	
For >40 To 80, Add	0.42	
For >240 To 960, Deduct	-0.63	
For >960, Deduct	-0.94	
09 65 13 36-0011 LF 1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL).....	6.97	0.85
For Up To 20, Add	1.59	
For >20 To 40, Add	0.97	
For >40 To 80, Add	0.42	
For >240 To 960, Deduct	-0.63	
For >960, Deduct	-0.94	
09 65 13 36-0012 LF 1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT).....	4.46	0.85
For Up To 20, Add	1.21	
For >20 To 40, Add	0.72	
For >40 To 80, Add	0.29	
For >240 To 960, Deduct	-0.38	
For >960, Deduct	-0.57	
09 65 13 36-0013 LF 1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J).....	6.76	0.85
For Up To 20, Add	1.55	
For >20 To 40, Add	0.95	
For >40 To 80, Add	0.41	
For >240 To 960, Deduct	-0.61	
For >960, Deduct	-0.91	
09 65 13 36-0014 LF 1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL).....	7.02	0.85
For Up To 20, Add	1.59	
For >20 To 40, Add	0.97	
For >40 To 80, Add	0.42	
For >240 To 960, Deduct	-0.63	
For >960, Deduct	-0.95	
09 65 13 36-0015 LF 3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K).....	5.84	0.85
For Up To 20, Add	1.42	
For >20 To 40, Add	0.85	
For >40 To 80, Add	0.36	
For >240 To 960, Deduct	-0.52	
For >960, Deduct	-0.77	
09 65 13 36-0016 LF 3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L).....	6.42	0.85
For Up To 20, Add	1.50	
For >20 To 40, Add	0.91	
For >40 To 80, Add	0.39	
For >240 To 960, Deduct	-0.57	
For >960, Deduct	-0.86	
09 65 13 36-0017 LF 1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M).....	7.02	0.85
For Up To 20, Add	1.59	
For >20 To 40, Add	0.97	
For >40 To 80, Add	0.42	
For >240 To 960, Deduct	-0.63	
For >960, Deduct	-0.95	
09 65 13 36-0018 LF 1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N).....	5.73	0.85
For Up To 20, Add	1.40	
For >20 To 40, Add	0.84	
For >40 To 80, Add	0.35	
For >240 To 960, Deduct	-0.51	
For >960, Deduct	-0.76	

**09 Finishes****09 60 Flooring****09 65 Resilient Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0019	LF		3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P).....	4.78	0.85
			<i>For Up To 20, Add</i>	1.26	
			<i>For &gt;20 To 40, Add</i>	0.75	
			<i>For &gt;40 To 80, Add</i>	0.31	
			<i>For &gt;240 To 960, Deduct</i>	-0.41	
			<i>For &gt;960, Deduct</i>	-0.62	
09 65 13 36-0020	LF		3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL).....	7.23	0.85
			<i>For Up To 20, Add</i>	1.62	
			<i>For &gt;20 To 40, Add</i>	0.99	
			<i>For &gt;40 To 80, Add</i>	0.43	
			<i>For &gt;240 To 960, Deduct</i>	-0.66	
			<i>For &gt;960, Deduct</i>	-0.98	
09 65 13 36-0021	LF		1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q) .....	9.44	0.85
			<i>For Up To 20, Add</i>	1.96	
			<i>For &gt;20 To 40, Add</i>	1.21	
			<i>For &gt;40 To 80, Add</i>	0.54	
			<i>For &gt;240 To 960, Deduct</i>	-0.88	
			<i>For &gt;960, Deduct</i>	-1.31	
09 65 13 36-0022	LF		0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X).....	4.63	0.85
			<i>For Up To 20, Add</i>	1.23	
			<i>For &gt;20 To 40, Add</i>	0.73	
			<i>For &gt;40 To 80, Add</i>	0.30	
			<i>For &gt;240 To 960, Deduct</i>	-0.40	
			<i>For &gt;960, Deduct</i>	-0.59	
09 65 13 36-0023	LF		0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y).....	4.70	0.85
			<i>For Up To 20, Add</i>	1.25	
			<i>For &gt;20 To 40, Add</i>	0.74	
			<i>For &gt;40 To 80, Add</i>	0.30	
			<i>For &gt;240 To 960, Deduct</i>	-0.40	
			<i>For &gt;960, Deduct</i>	-0.60	
09 65 13 36-0024	LF		0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z).....	5.39	0.85
			<i>For Up To 20, Add</i>	1.35	
			<i>For &gt;20 To 40, Add</i>	0.81	
			<i>For &gt;40 To 80, Add</i>	0.34	
			<i>For &gt;240 To 960, Deduct</i>	-0.47	
			<i>For &gt;960, Deduct</i>	-0.71	

**09 65 16 Resilient Sheet Flooring** (09 65)

Note: Includes mastic and cleaning floor after installation is complete.

**09 65 16 23 Vinyl Sheet Flooring** (09 65 16)**09 65 16 23-0001 Vinyl Sheet Flooring** (09 65 16 23)

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF		0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medintech®).....	10.01	0.50
			<i>For Up To 40, Add</i>	3.34	
			<i>For &gt;40 To 100, Add</i>	1.67	
			<i>For &gt;1,000, Deduct</i>	-0.90	
09 65 16 23-0003	SF		0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medley™).....	8.08	0.50
			<i>For Up To 40, Add</i>	2.96	
			<i>For &gt;40 To 100, Add</i>	1.48	
			<i>For &gt;1,000, Deduct</i>	-0.71	
09 65 16 23-0004	SF		0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Connection Corlon®).....	5.10	0.50
			<i>For Up To 40, Add</i>	2.36	
			<i>For &gt;40 To 100, Add</i>	1.18	
			<i>For &gt;1,000, Deduct</i>	-0.41	
09 65 16 23-0005	SF		0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Possibilities® Petit Point™).....	6.77	0.50
			<i>For Up To 40, Add</i>	2.69	
			<i>For &gt;40 To 100, Add</i>	1.35	
			<i>For &gt;1,000, Deduct</i>	-0.57	
09 65 16 23-0006	SF		0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring (Armstrong® Medintech Tandem®).....	9.23	0.50
			<i>For Up To 40, Add</i>	3.19	
			<i>For &gt;40 To 100, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.82	
09 65 16 23-0007	SF		0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring (Armstrong® Safeguard®).....	12.95	0.50
			<i>For Up To 40, Add</i>	3.93	
			<i>For &gt;40 To 100, Add</i>	1.96	
			<i>For &gt;1,000, Deduct</i>	-1.19	

**09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams** (09 65 16 23)

Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.

09 65 16 23-0009	LF		Heat Weld Non-Patterned Vinyl Sheet Flooring Seams.....	4.92	
09 65 16 23-0010	LF		Heat Weld Patterned Vinyl Sheet Flooring Seams.....	5.33	





<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Resilient Flooring	09 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 65 16 23-0011	<b>Forming Vinyl Sheet Flooring Inside/Outside Cove Corners</b> <small>(09 65 16 23)</small> Note: Excludes heat welding.		
09 65 16 23-0012	EA Forming Vinyl Sheet Flooring Inside/Outside Cove Corners.....	11.27	
09 65 16 23-0013	<b>Vinyl Sheet Flooring Accessories</b> <small>(09 65 16 23)</small>		
09 65 16 23-0014	LF 1/2" Radius Vinyl Cove Filler Strip.....	3.61	
09 65 16 23-0015	LF 1-1/4" Radius Vinyl Cove Filler Strip.....	3.17	
09 65 16 23-0016	LF 1-1/2" Radius Vinyl Cove Filler Strip.....	5.06	
09 65 16 23-0017	LF 1/8" Aluminum Cove Cap.....	2.30	

**09 65 19 Resilient Tile Flooring** (09 65)  
Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.

**09 65 19 19 Vinyl Composition Tile Flooring** (09 65 19)

09 65 19 19-0001	<b>Vinyl Composition Tile (VCT)</b> <small>(09 65 19 19)</small> Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.		
09 65 19 19-0002	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®).....	2.88	1.01
	For >1,000 To 3,000, Deduct	-0.06	
	For >3,000 To 6,000, Deduct	-0.16	
	For >6,000, Deduct	-0.29	
	For 3/32" Thick, Deduct	-0.16	
	For Extra Stock, Material Only, Deduct	-1.19	
	For Wax And Polish, Add	0.46	
09 65 19 19-0003	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™).....	2.77	1.01
	For >1,000 To 3,000, Deduct	-0.06	
	For >3,000 To 6,000, Deduct	-0.15	
	For >6,000, Deduct	-0.28	
	For Extra Stock, Material Only, Deduct	-1.19	
	For Wax And Polish, Add	0.46	
09 65 19 19-0004	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®).....	2.77	1.01
	For >1,000 To 3,000, Deduct	-0.06	
	For >3,000 To 6,000, Deduct	-0.15	
	For >6,000, Deduct	-0.28	
	For Extra Stock, Material Only, Deduct	-1.19	
	For Wax And Polish, Add	0.46	
09 65 19 19-0005	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™).....	4.20	1.01
	For >1,000 To 3,000, Deduct	-0.09	
	For >3,000 To 6,000, Deduct	-0.21	
	For >6,000, Deduct	-0.36	
	For Extra Stock, Material Only, Deduct	-1.19	
	For Wax And Polish, Add	0.46	
09 65 19 19-0006	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®).....	4.22	1.01
	For >1,000 To 3,000, Deduct	-0.09	
	For >3,000 To 6,000, Deduct	-0.21	
	For >6,000, Deduct	-0.37	
	For Extra Stock, Material Only, Deduct	-1.19	
	For Wax And Polish, Add	0.46	
09 65 19 19-0007	SF 1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®).....	4.49	1.01
	For >1,000 To 3,000, Deduct	-0.10	
	For >3,000 To 6,000, Deduct	-0.22	
	For >6,000, Deduct	-0.38	
	For Extra Stock, Material Only, Deduct	-1.19	
	For Wax And Polish, Add	0.46	
09 65 19 19-0008	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®).....	4.53	1.01
	For >1,000 To 3,000, Deduct	-0.10	
	For >3,000 To 6,000, Deduct	-0.22	
	For >6,000, Deduct	-0.38	
	For Extra Stock, Material Only, Deduct	-1.19	
	For Wax And Polish, Add	0.46	
09 65 19 19-0009	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™).....	4.70	1.01
	For >1,000 To 3,000, Deduct	-0.10	
	For >3,000 To 6,000, Deduct	-0.23	
	For >6,000, Deduct	-0.39	
	For Extra Stock, Material Only, Deduct	-1.19	
	For Wax And Polish, Add	0.46	
09 65 19 19-0010	SF 1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™).....	6.27	1.01
	For >1,000 To 3,000, Deduct	-0.13	
	For >3,000 To 6,000, Deduct	-0.29	
	For >6,000, Deduct	-0.49	
	For Extra Stock, Material Only, Deduct	-1.19	
	For Wax And Polish, Add	0.46	
09 65 19 19-0011	SF 1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™).....	6.88	1.01
	For >1,000 To 3,000, Deduct	-0.14	
	For >3,000 To 6,000, Deduct	-0.32	
	For >6,000, Deduct	-0.53	
	For Extra Stock, Material Only, Deduct	-1.19	
	For Wax And Polish, Add	0.46	

**09 Finishes****09 60 Flooring****09 65 Resilient Flooring**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 65 19 19-0012 Static Dissipative Vinyl Composition Tile (VCT)</b> <small>(09 65 19 19)</small> Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.		
09 65 19 19-0013 SF 1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™).....	16.63	1.01
For >1,000 To 3,000, Deduct	-0.34	
For >3,000 To 6,000, Deduct	-0.74	
For >6,000, Deduct	-1.19	
For Extra Stock, Material Only, Deduct	-2.00	
For Wax And Polish, Add	0.46	
09 65 19 19-0014 SF 1/8" Thick, Static Dissipative, Solid Vinyl Composition Tile (VCT) (Staticworx, Ameriworx® ESD) .....	13.35	1.01
For Up To 20, Add	2.85	
For >20 To 40, Add	1.76	
For >40 To 80, Add	0.77	
For >1,000 To 3,000, Deduct	-0.28	
For >3,000 To 6,000, Deduct	-0.61	
For >6,000, Deduct	-0.99	
For Extra Stock, Material Only, Deduct	-2.00	
<b>09 65 19 23 Vinyl Tile Flooring</b> <small>(09 65 19)</small>		
<b>09 65 19 23-0001 Vinyl Tile</b> <small>(09 65 19 23)</small> Note: Any size.		
<b>09 65 19 23-0002 Solid Vinyl Tile (SVT)</b> <small>(09 65 19 23-0001)</small> Note: The following solid vinyl tiles are certified to ASTM F 1700.		
09 65 19 23-0003 SF 1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande).....	7.56	1.01
For Up To 20, Add	1.83	
For >20 To 40, Add	1.10	
For >40 To 80, Add	0.46	
For >1,000 To 3,000, Deduct	-0.16	
For >3,000 To 6,000, Deduct	-0.36	
For >6,000, Deduct	-0.61	
09 65 19 23-0004 SF 1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Karim Kolors).....	7.78	1.01
For Up To 20, Add	1.86	
For >20 To 40, Add	1.12	
For >40 To 80, Add	0.48	
For >1,000 To 3,000, Deduct	-0.16	
For >3,000 To 6,000, Deduct	-0.37	
For >6,000, Deduct	-0.62	
09 65 19 23-0005 SF 1/8" Thick, Slip Retardant, Class 1 Type B, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande SR) .....	7.93	1.01
For Up To 20, Add	1.88	
For >20 To 40, Add	1.14	
For >40 To 80, Add	0.48	
For >1,000 To 3,000, Deduct	-0.17	
For >3,000 To 6,000, Deduct	-0.38	
For >6,000, Deduct	-0.63	
<b>09 65 19 23-0006 Luxury Vinyl Tile (LVT)</b> <small>(09 65 19 23-0001)</small>		
09 65 19 23-0007 SF 2.5mm Thick, Luxury Vinyl Tile (LVT) (Mannington Amtico) .....	12.05	1.01
For Up To 20, Add	2.50	
For >20 To 40, Add	1.55	
For >40 To 80, Add	0.69	
For >1,000 To 3,000, Deduct	-0.25	
For >3,000 To 6,000, Deduct	-0.54	
For >6,000, Deduct	-0.88	
<b>09 65 19 33 Rubber Tile Flooring</b> <small>(09 65 19)</small>		
<b>09 65 19 33-0001 Rubber Tile</b> <small>(09 65 19 33)</small>		
<b>09 65 19 33-0002 Rubber Tile With Raised Discs, Assorted Colors</b> <small>(09 65 19 33-0001)</small>		
09 65 19 33-0003 SF 1/8" Thick Rubber Tile With Raised Discs.....	20.81	0.61
Note: Smooth, raised disc or other patterned surface.		
For Up To 100, Add	1.10	
09 65 19 33-0004 SF 3/16" Thick Rubber Tile With Raised Discs.....	25.34	0.68
Note: Smooth, raised disc or other patterned surface.		
For Up To 100, Add	1.33	
09 65 19 33-0005 SF 7/32" Thick Rubber Tile With Raised Discs.....	28.11	0.81
Note: Smooth, raised disc or other patterned surface.		
For Up To 100, Add	1.49	
<b>09 65 19 43 Polyester Composition Tile Flooring</b> <small>(09 65 19)</small>		
<b>09 65 19 43-0001 Polyester Composition Floor Tile</b> <small>(09 65 19 43)</small> Note: Any size.		
09 65 19 43-0002 SF 1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®).....	6.64	1.01
For >1,000 To 3,000, Deduct	-0.14	
For >3,000 To 6,000, Deduct	-0.31	
For >6,000, Deduct	-0.51	
For Extra Stock, Material Only, Deduct	-1.19	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Flooring	09 60	
Resilient Flooring	09 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 43-0003 SF 1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®) .....	4.92	1.01
<i>For &gt;1,000 To 3,000, Deduct</i>	-0.10	
<i>For &gt;3,000 To 6,000, Deduct</i>	-0.24	
<i>For &gt;6,000, Deduct</i>	-0.41	
<i>For Extra Stock, Material Only, Deduct</i>	-1.19	
<b>09 65 23 Resilient Plank Flooring (09 65)</b>		
Note: Includes mastic and cleaning floor after installation is complete.		
<b>09 65 23 00-0001 Vinyl Plank Flooring (09 65 23)</b>		
09 65 23 00-0002 SF 0.110" Overall Thickness, 0.012" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™) .....	7.39	0.50
<i>For Up To 40, Add</i>	2.82	
<i>For &gt;40 To 100, Add</i>	1.41	
<i>For &gt;1,000, Deduct</i>	-0.64	
09 65 23 00-0003 SF 0.135" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™) .....	9.44	0.50
<i>For Up To 40, Add</i>	3.23	
<i>For &gt;40 To 100, Add</i>	1.61	
<i>For &gt;1,000, Deduct</i>	-0.84	
09 65 23 00-0004 SF 0.16" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™) .....	10.71	0.50
<i>For Up To 40, Add</i>	3.48	
<i>For &gt;40 To 100, Add</i>	1.74	
<i>For &gt;1,000, Deduct</i>	-0.97	
<b>09 65 43 Linoleum Flooring (09 65)</b>		
Note: Includes mastic and cleaning floor after installation is complete.		
<b>09 65 43 00-0001 Linoleum Flooring (09 65 43)</b>		
09 65 43 00-0002 SF Linoleum Tile (Forbo Marmoleum Composition Tile, MCT) .....	6.00	1.01
09 65 43 00-0003 SF 2.5 mm, Linoleum Sheet (Forbo Marmoleum) .....	4.58	0.50
<i>For 3.2mm Thickness, Add</i>	0.71	
<i>For 2mm Thickness, Deduct</i>	-0.34	
09 65 43 00-0004 LF Heat Weld Linoleum Sheet Flooring Seams .....	4.93	
Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		
<b>09 65 66 Resilient Athletic Flooring (09 65)</b>		
<b>09 65 66 00-0001 Recycled Rubber, Interlocking Athletic Tiles (09 65 66)</b>		
09 65 66 00-0002 SF 3/8" Height, Recycled Rubber, Interlocking Athletic Tile .....	6.86	0.47
<i>For Colors, Add</i>	1.24	
09 65 66 00-0003 SF 1/2" Height, Recycled Rubber, Interlocking Athletic Tile .....	7.95	0.60
<i>For Colors, Add</i>	1.42	
09 65 66 00-0004 SF 3/4" Height, Recycled Rubber, Interlocking Athletic Tile .....	9.07	0.95
<i>For Colors, Add</i>	1.54	
09 65 66 00-0005 SF 1" Height, Recycled Rubber, Interlocking Athletic Tile .....	13.31	1.15
<i>For Colors, Add</i>	2.34	
<b>09 65 66 00-0006 Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles (09 65 66)</b>		
09 65 66 00-0007 SF 3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155) .....	37.70	0.47
<i>For Colors, Add</i>	4.63	
09 65 66 00-0008 SF 9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100) .....	54.68	0.47
<i>For Colors, Add</i>	6.75	
09 65 66 00-0009 SF 3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100) .....	39.84	0.47
<i>For Colors, Add</i>	4.90	
09 65 66 00-0010 SF 9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200) .....	49.09	0.47
<i>For Colors, Add</i>	6.05	
09 65 66 00-0011 SF 7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150) .....	40.98	0.47
<i>For Colors, Add</i>	5.04	
<b>09 65 66 00-0012 Sheet Goods For Gym (09 65 66)</b>		
09 65 66 00-0013 SF 1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor .....	15.21	2.03
09 65 66 00-0014 SF 9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor .....	16.10	2.10
09 65 66 00-0015 SF 3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor .....	16.91	2.16
09 65 66 00-0016 SF 1/8" Rubber Sheet Good For Gym Floor Base .....	3.87	1.65
09 65 66 00-0017 SF 3/16" Rubber Sheet Good For Gym Floor Base .....	4.34	1.90
09 65 66 00-0018 SF 1/4" Rubber Sheet Good For Gym Floor Base .....	5.05	2.03
09 65 66 00-0019 SF 3/8" Rubber Sheet Good For Gym Floor Base .....	5.57	2.16
09 65 66 00-0020 SF 1/2" Rubber Sheet Good For Gym Floor Base .....	5.91	2.30
<b>09 65 66 00-0021 Polyurethane Floor Systems (09 65 66)</b>		
See CSI section 09 93 23 53-0015 for game lines.		

<b>09</b>	<b>09 Finishes</b>
	<b>09 60 Flooring</b>
	<b>09 65 Resilient Flooring</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 65 66 00-0022	SF	9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	20.08	1.35
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**09 66 Terrazzo Flooring** (09 60)

**09 66 13 Portland Cement Terrazzo Flooring** (09 66)  
 Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

**09 66 13 13 Sand Cushion Terrazzo Flooring** (09 66 13)

09 66 13 13-0001		Floors Not Bonded To Concrete <small>(09 66 13 13)</small> Note: 3" Thick - 5/8" topping and 1/4" sand cushion.		
09 66 13 13-0002	SF	Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	30.19	2.89
		<i>For Venetian Type Terrazzo, Add</i>	7.40	
		<i>For Abrasive Heavy Duty Terrazzo, Add</i>	7.40	
		<i>For Colors, Add</i>	3.70	
		<i>For Up To 100, Add</i>	7.64	
		<i>For &gt;100 To 250, Add</i>	3.82	
09 66 13 13-0003	SF	Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	30.33	2.89
		<i>For Venetian Type Terrazzo, Add</i>	7.47	
		<i>For Abrasive Heavy Duty Terrazzo, Add</i>	7.47	
		<i>For Colors, Add</i>	3.73	
		<i>For Up To 100, Add</i>	7.65	
		<i>For &gt;100 To 250, Add</i>	3.83	

**09 66 13 16 Monolithic Terrazzo Flooring** (09 66 13)

09 66 13 16-0001		Monolithic Terrazzo <small>(09 66 13 16)</small>		
09 66 13 16-0002	SF	Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping	16.35	2.89
		Note: Including Mesh And Felt		
		<i>For Venetian Type Terrazzo, Add</i>	5.38	
		<i>For Abrasive Heavy Duty Terrazzo, Add</i>	5.38	
		<i>For Colors, Add</i>	2.69	
		<i>For Up To 100, Add</i>	3.31	
		<i>For &gt;100 To 250, Add</i>	1.66	

**09 66 13 19 Bonded Terrazzo Flooring** (09 66 13)

09 66 13 19-0001		Floors Bonded To Concrete <small>(09 66 13 19)</small> Note: 1-3/4" Thick - 5/8" topping.		
09 66 13 19-0002	SF	Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	24.03	2.89
		<i>For Venetian Type Terrazzo, Add</i>	6.10	
		<i>For Abrasive Heavy Duty Terrazzo, Add</i>	6.10	
		<i>For Colors, Add</i>	3.05	
		<i>For Up To 100, Add</i>	5.95	
		<i>For &gt;100 To 250, Add</i>	2.98	
09 66 13 19-0003	SF	Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping	24.17	2.89
		<i>For Venetian Type Terrazzo, Add</i>	6.17	
		<i>For Abrasive Heavy Duty Terrazzo, Add</i>	6.17	
		<i>For Colors, Add</i>	3.09	
		<i>For Up To 100, Add</i>	5.97	
		<i>For &gt;100 To 250, Add</i>	2.98	

**09 66 13 19-0004 Terrazzo Wainscot** (09 66 13 19)

09 66 13 19-0005	SF	1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry	33.54	3.85
		<i>For Venetian Type Terrazzo, Add</i>	3.95	

**09 66 13 19-0006 Terrazzo Base** (09 66 13 19)

09 66 13 19-0007	SF	6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry	34.22	3.06
		<i>For Venetian Type Terrazzo, Add</i>	8.61	

**09 66 13 19-0008 Terrazzo Curb** (09 66 13 19)

09 66 13 19-0009	LF	6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces	90.95	20.40
		<i>For Venetian Type Terrazzo, Add</i>	11.49	

**09 66 13 19-0010 Stairs Cast In Place** (09 66 13 19)  
 Note: Topping applied to concrete or metal.

09 66 13 19-0011	LF	1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal	34.42	5.77
		<i>For Each SF Of Abrasive Surface Finish, Add</i>	0.35	
		<i>For Each LF Of Embedded Abrasive Strips, Add</i>	0.56	
		<i>For Each SF Of Abrasive Metal Nosing, Add</i>	3.90	
		<i>For Each SF Of Landings, Add</i>	1.50	
09 66 13 19-0012	LF	Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal	86.81	19.22
		<i>For Each SF Of Abrasive Surface Finish, Add</i>	0.35	
		<i>For Each LF Of Embedded Abrasive Strips, Add</i>	0.56	
		<i>For Each LF Of Abrasive Metal Nosing, Add</i>	3.90	
		<i>For Each SF Of Landings, Add</i>	1.50	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Terrazzo Flooring	09 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 19-0013 SF Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal.....	34.85	5.77
For Each SF Of Abrasive Surface Finish, Add	0.35	
For Each LF Of Embedded Abrasive Strips, Add	0.56	
For Each LF Of Abrasive Metal Nosing, Add	3.90	
For Each SF Of Landings, Add	1.50	
<b>09 66 13 19-0014 Divider Strips (09 66 13 19)</b>		
09 66 13 19-0015 LF 1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip.....	5.87	0.96
09 66 13 19-0016 LF 1-1/4" Deep, 14 Gauge, Brass, Divider Strip .....	5.56	0.96
09 66 13 19-0017 LF 1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip .....	9.16	0.96
09 66 13 19-0018 LF 1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip.....	13.69	0.96
09 66 13 19-0019 LF 1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors.....	5.60	0.96
09 66 13 19-0020 LF 1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors.....	8.45	0.96
09 66 13 19-0021 LF Vinyl Plastic, Divider Strip For Floor .....	4.97	0.96
<b>09 66 16 Terrazzo Floor Tile (09 66)</b>		
<b>09 66 16 13 Portland Cement Terrazzo Floor Tile (09 66 16)</b>		
<b>09 66 16 13-0001 Flooring Tiles (09 66 16 13)</b>		
Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
<b>09 66 16 13-0002 Terrazzo Tiles With Non Slip Surface (09 66 16 13-0001)</b>		
09 66 16 13-0003 SF 9" x 9" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile .....	28.16	2.82
For White Cement, Add	0.36	
For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0004 SF 12" x 12" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile.....	28.52	2.82
For White Cement, Add	0.36	
For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0005 SF 12" x 12" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile .....	32.84	2.82
For White Cement, Add	0.36	
For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0006 SF 18" x 18" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile .....	34.77	2.82
For White Cement, Add	0.36	
For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0007 SF 24" x 24" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile .....	35.96	2.82
For White Cement, Add	0.36	
For Venetian Type Terrazzo, Add	2.00	
<b>09 66 16 13-0008 Terrazzo Tile Thin Set (09 66 16 13-0001)</b>		
09 66 16 13-0009 SF Precast Terrazzo, 1/4"-1/2" Chips Floor Tiles, Thin Set Gray Cement Bed .....	27.71	2.82
For White Cement, Add	0.36	
For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0010 SF Precast Terrazzo, 3/8"-1" Chips Floor Tiles, Thin Set Gray Cement Bed .....	29.40	2.82
For White Cement, Add	0.36	
For Venetian Type Terrazzo, Add	2.00	
<b>09 66 16 13-0011 Thin Set Terrazzo Wainscot (09 66 16 13-0001)</b>		
09 66 16 13-0012 SF 12" x 12" x 1" Terrazzo Tile Wainscot Thin Set.....	44.74	6.11
For Each LF Of White Cement, Add	0.50	
For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0013 SF 18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set .....	51.16	6.11
For Each LF Of White Cement, Add	0.50	
For Each LF Of Zinc Toe Strip, Add	1.00	
<b>09 66 16 13-0014 Thin Set Terrazzo Base, Gray Cement (09 66 16 13-0001)</b>		
09 66 16 13-0015 LF 6" High, Straight Terrazzo Base Thin Set, Gray Cement.....	14.74	3.06
For Each LF Of White Cement, Add	0.50	
For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0016 LF 6" High, Cove Terrazzo Base Thin Set, Gray Cement.....	16.31	3.06
For Each LF Of White Cement, Add	0.50	
For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0017 LF 8" High, Straight Terrazzo Base Thin Set, Gray Cement .....	17.08	3.06
For Each LF Of White Cement, Add	0.50	
For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0018 LF 8" High, Cove Terrazzo Base Thin Set, Gray Cement.....	17.86	3.06
For Each LF Of White Cement, Add	0.50	
For Each LF Of Zinc Toe Strip, Add	1.00	
<b>09 66 16 13-0019 Terrazzo Curbs (09 66 16 13-0001)</b>		
09 66 16 13-0020 LF 8" x 8" Curb, Terrazzo Tile.....	30.52	4.08
For Each LF Of White Cement, Add	0.50	
For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0021 LF 6" x 6" Curb, Terrazzo Tile.....	29.74	4.08
For Each LF Of White Cement, Add	0.50	
For Each LF Of Zinc Toe Strip, Add	1.00	

<b>09</b>	<b>09</b>	<b>Finishes</b>
	<b>09 60</b>	<b>Flooring</b>
	<b>09 66</b>	<b>Terrazzo Flooring</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 66 16 13-0022</b> <b>Precast Terrazzo Stair Treads 12" Wide</b> <small>(09 66 16 13-0001)</small>		
09 66 16 13-0023    LF    1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern.....	68.28	4.08
09 66 16 13-0024    LF    1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non Slip Surface.....	58.91	4.08
09 66 16 13-0025    LF    2" Precast Terrazzo Straight Stair Tread.....	52.66	4.08
09 66 16 13-0026    LF    2" Precast Terrazzo Curved Stair Tread.....	61.49	4.08
<b>09 66 16 13-0027</b> <b>Stair Risers, 1" Thick To 6" High, Straight</b> <small>(09 66 16 13-0001)</small>		
09 66 16 13-0028    LF    1"-6" High Precast Terrazzo Stair Riser Straight Section, Thin Set.....	31.48	3.06
09 66 16 13-0029    LF    1"-6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set.....	36.17	3.06
<b>09 66 16 13-0030</b> <b>Stair Risers, 1" Thick To 6" High, Curved</b> <small>(09 66 16 13-0001)</small>		
09 66 16 13-0031    LF    1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set.....	45.71	3.06
09 66 16 13-0032    LF    1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set.....	48.83	3.06
<b>09 66 16 13-0033</b> <b>Tread And Riser</b> <small>(09 66 16 13)</small>		
<b>09 66 16 13-0034</b> <b>Stair Stringers, Notched For Treads And Risers</b> <small>(09 66 16 13-0033)</small>		
09 66 16 13-0035    LF    1" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....	77.21	8.16
09 66 16 13-0036    LF    2" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....	93.00	8.16
<b>09 66 16 13-0037</b> <b>Structural Non-Slip Landings</b> <small>(09 66 16 13-0033)</small>		
09 66 16 13-0038    SF    1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non Slip.....	55.33	4.08
09 66 16 13-0039    SF    3" Thick Precast Terrazzo Stair Landing Structural, Non Slip.....	67.68	4.08
<b>09 66 16 13-0040</b> <b>Combined Tread And Riser</b> <small>(09 66 16 13-0033)</small>		
<b>09 66 16 13-0041</b> <b>Straight Sections</b> <small>(09 66 16 13-0040)</small>		
09 66 16 13-0042    LF    Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section.....	118.81	8.16
09 66 16 13-0043    LF    Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section.....	140.66	8.16
<b>09 66 16 13-0044</b> <b>Curved Sections</b> <small>(09 66 16 13-0040)</small>		
09 66 16 13-0045    LF    Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section.....	147.96	8.16
09 66 16 13-0046    LF    Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section.....	185.43	8.16
<b>09 66 23</b> <b>Resinous Matrix Terrazzo Flooring</b> <small>(09 66)</small>		
<b>09 66 23 16</b> <b>Epoxy-Resin Terrazzo Flooring</b> <small>(09 66 23)</small>		
<b>09 66 23 16-0001</b> <b>Epoxy Terrazzo</b> <small>(09 66 23 16)</small>		
09 66 23 16-0002    SF    Chemical Resistant Epoxy Terrazzo, 1/4" Thick.....	22.72	2.89
<b>09 66 33</b> <b>Conductive Terrazzo Flooring</b> <small>(09 66)</small>		
Note: For anti-static areas.		
<b>09 66 33 13</b> <b>Conductive Epoxy-Resin Terrazzo</b> <small>(09 66 33)</small>		
09 66 33 13-0001    SF    Terrazzo, Epoxy System, Floor Sparkproof, Conductive, Industrial.....	23.68	5.10
09 66 33 13-0002    SF    Terrazzo, Epoxy System, Base Sparkproof, Conductive, Industrial.....	42.50	5.10
<b>09 66 33 16</b> <b>Conductive Polyester-Resin Terrazzo Flooring</b> <small>(09 66 33)</small>		
09 66 33 16-0001    SF    Terrazzo, Polyester System, Floor Sparkproof, Conductive, Industrial.....	18.20	5.10
09 66 33 16-0002    SF    Terrazzo, Polyester System, Base Sparkproof, Conductive, Industrial.....	30.54	5.10
<b>09 66 33 19</b> <b>Conductive Plastic-Matrix Terrazzo Flooring</b> <small>(09 66 33)</small>		
09 66 33 19-0001    SF    Terrazzo, Polyacrylate System, Floor Sparkproof, Conductive, Industrial.....	20.40	5.10
09 66 33 19-0002    SF    Terrazzo, Polyacrylate System, Base Sparkproof, Conductive, Industrial.....	38.44	5.10
09 66 33 19-0003    SF    Terrazzo, Synthetic Latex Mastic System, Floor Sparkproof, Conductive, Industrial.....	29.09	5.10
09 66 33 19-0004    SF    Terrazzo, Synthetic Latex Mastic System, Base Sparkproof, Conductive, Industrial.....	33.31	5.10
<b>09 67</b> <b>Fluid-Applied Flooring</b> <small>(09 60)</small>		
<b>09 67 16</b> <b>Epoxy-Marble Chip Flooring</b> <small>(09 67)</small>		
<b>09 67 16 00-0001</b> <b>Epoxy Marble Chip Flooring</b> <small>(09 67 16)</small>		
09 67 16 00-0002    SF    Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base.....	16.70	2.89
Note: Includes primer, 1/4" epoxy marble coat with quartz chips and top seal coat.		
For Skid Resistant Abrasive Sand Finish, Add		0.08
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add		0.08



<b>Finishes</b>	<b>09</b>	<b>09</b>
<b>Flooring</b>	<b>09 60</b>	
<b>Fluid-Applied Flooring</b>	<b>09 67</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 67 16 00-0003	SF	Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy Duty Epoxy .....	17.83	2.89
		Note: Includes primer, 3/16" marble chip coat and top seal coat.		
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.09	
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.09	

**09 67 23 Resinous Flooring** (09 67)

**09 67 23 00-0001 Epoxy Resin Flooring** (09 67 23)

Note: Includes primer, slurry coat(s) and top coat(s) (assorted colors). Excludes existing floor preparation of sand/bead blasting or two pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 01 30 51-0001 for bead blasting, 03 35 43 00-0001 for additional floor polish grinding, 09 01 60 91-0011 for degreasing.

09 67 23 00-0002	SF	3/16" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	12.93	6.54
		Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.05	
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.05	
		<i>For Up To 500, Add</i>	2.46	
		<i>For &gt;500 To 1,000, Add</i>	1.56	
		<i>For &gt;1,000 To 2,000, Add</i>	0.78	
		<i>For &gt;10,000, Deduct</i>	-0.84	

09 67 23 00-0003	SF	3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound .....	19.25	6.54
		Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.12	
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.12	
		<i>For Up To 500, Add</i>	4.04	
		<i>For &gt;500 To 1,000, Add</i>	2.50	
		<i>For &gt;1,000 To 2,000, Add</i>	1.25	
		<i>For &gt;10,000, Deduct</i>	-1.15	

09 67 23 00-0004	SF	1/4" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	15.44	7.30
		Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.06	
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.06	
		<i>For Up To 500, Add</i>	2.90	
		<i>For &gt;500 To 1,000, Add</i>	1.84	
		<i>For &gt;1,000 To 2,000, Add</i>	0.92	
		<i>For &gt;10,000, Deduct</i>	-1.01	

09 67 23 00-0005	SF	1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound .....	22.68	7.30
		Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.13	
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.13	
		<i>For Up To 500, Add</i>	4.71	
		<i>For &gt;500 To 1,000, Add</i>	2.92	
		<i>For &gt;1,000 To 2,000, Add</i>	1.46	
		<i>For &gt;10,000, Deduct</i>	-1.37	

09 67 23 00-0006	SF	3/8" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	17.43	8.17
		Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.07	
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.07	
		<i>For Up To 500, Add</i>	3.29	
		<i>For &gt;500 To 1,000, Add</i>	2.08	
		<i>For &gt;1,000 To 2,000, Add</i>	1.04	
		<i>For &gt;10,000, Deduct</i>	-1.14	

09 67 23 00-0007	SF	3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound .....	25.11	8.17
		Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.14	
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.14	
		<i>For Up To 500, Add</i>	5.21	
		<i>For &gt;500 To 1,000, Add</i>	3.23	
		<i>For &gt;1,000 To 2,000, Add</i>	1.62	
		<i>For &gt;10,000, Deduct</i>	-1.52	

**09 68 Carpeting** (09 68)

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

**09 68 13 Tile Carpeting** (09 68)

**09 68 13 00-0001 Tufted Carpet Tiles** (09 68 13)

Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue or peel and stick backing.

**09 68 13 00-0002 Non-Patterned Carpet Tiles** (09 68 13 00-0001)

09 68 13 00-0003	SY	18 Ounce, Non Patterned, Nylon Carpet Tile.....	33.39	4.08
		<i>For &gt;200 To 400, Deduct</i>	-0.47	
		<i>For &gt;400 To 600, Deduct</i>	-0.70	
		<i>For &gt;600 To 900, Deduct</i>	-1.32	
		<i>For &gt;900 To 1,500, Deduct</i>	-1.94	
		<i>For &gt;1,500 To 2,200, Deduct</i>	-2.84	
		<i>For &gt;2,200 To 3,500, Deduct</i>	-3.67	
		<i>For &gt;3,500, Deduct</i>	-4.51	
		<i>For Cushion Backed Tile, Add</i>	6.00	

**09 Finishes**

**09 60 Flooring**

**09 68 Carpeting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0004	SY	20 Ounce, Non Patterned, Nylon Carpet Tile	.....	34.81	4.08
		<i>For &gt;200 To 400, Deduct</i>		-0.50	
		<i>For &gt;400 To 600, Deduct</i>		-0.74	
		<i>For &gt;600 To 900, Deduct</i>		-1.39	
		<i>For &gt;900 To 1,500, Deduct</i>		-2.04	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-2.98	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-3.85	
		<i>For &gt;3,500, Deduct</i>		-4.72	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0005	SY	22 Ounce, Non Patterned, Nylon Carpet Tile	.....	39.31	4.08
		<i>For &gt;200 To 400, Deduct</i>		-0.59	
		<i>For &gt;400 To 600, Deduct</i>		-0.88	
		<i>For &gt;600 To 900, Deduct</i>		-1.62	
		<i>For &gt;900 To 1,500, Deduct</i>		-2.35	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-3.43	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-4.41	
		<i>For &gt;3,500, Deduct</i>		-5.40	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0006	SY	24 Ounce, Non Patterned, Nylon Carpet Tile	.....	43.70	4.08
		<i>For &gt;200 To 400, Deduct</i>		-0.67	
		<i>For &gt;400 To 600, Deduct</i>		-1.01	
		<i>For &gt;600 To 900, Deduct</i>		-1.84	
		<i>For &gt;900 To 1,500, Deduct</i>		-2.66	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-3.87	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-4.96	
		<i>For &gt;3,500, Deduct</i>		-6.06	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0007	SY	26 Ounce, Non Patterned, Nylon Carpet Tile	.....	46.27	4.08
		<i>For &gt;200 To 400, Deduct</i>		-0.73	
		<i>For &gt;400 To 600, Deduct</i>		-1.09	
		<i>For &gt;600 To 900, Deduct</i>		-1.96	
		<i>For &gt;900 To 1,500, Deduct</i>		-2.84	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-4.13	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-5.28	
		<i>For &gt;3,500, Deduct</i>		-6.44	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0008	SY	28 Ounce, Non Patterned, Nylon Carpet Tile	.....	48.90	4.08
		<i>For &gt;200 To 400, Deduct</i>		-0.78	
		<i>For &gt;400 To 600, Deduct</i>		-1.17	
		<i>For &gt;600 To 900, Deduct</i>		-2.10	
		<i>For &gt;900 To 1,500, Deduct</i>		-3.02	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-4.39	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-5.61	
		<i>For &gt;3,500, Deduct</i>		-6.84	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0009	SY	30 Ounce, Non Patterned, Nylon Carpet Tile	.....	49.68	4.08
		<i>For &gt;200 To 400, Deduct</i>		-0.79	
		<i>For &gt;400 To 600, Deduct</i>		-1.19	
		<i>For &gt;600 To 900, Deduct</i>		-2.13	
		<i>For &gt;900 To 1,500, Deduct</i>		-3.08	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-4.47	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-5.71	
		<i>For &gt;3,500, Deduct</i>		-6.95	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0010	SY	32 Ounce, Non Patterned, Nylon Carpet Tile	.....	50.17	4.08
		<i>For &gt;200 To 400, Deduct</i>		-0.80	
		<i>For &gt;400 To 600, Deduct</i>		-1.21	
		<i>For &gt;600 To 900, Deduct</i>		-2.16	
		<i>For &gt;900 To 1,500, Deduct</i>		-3.11	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-4.52	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-5.77	
		<i>For &gt;3,500, Deduct</i>		-7.03	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0011	SY	34 Ounce, Non Patterned, Nylon Carpet Tile	.....	50.58	4.08
		<i>For &gt;200 To 400, Deduct</i>		-0.81	
		<i>For &gt;400 To 600, Deduct</i>		-1.22	
		<i>For &gt;600 To 900, Deduct</i>		-2.18	
		<i>For &gt;900 To 1,500, Deduct</i>		-3.14	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-4.56	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-5.82	
		<i>For &gt;3,500, Deduct</i>		-7.09	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0012	SY	36 Ounce, Non Patterned, Nylon Carpet Tile	.....	51.98	4.08
		<i>For &gt;200 To 400, Deduct</i>		-0.84	
		<i>For &gt;400 To 600, Deduct</i>		-1.26	
		<i>For &gt;600 To 900, Deduct</i>		-2.25	
		<i>For &gt;900 To 1,500, Deduct</i>		-3.24	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-4.70	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-6.00	
		<i>For &gt;3,500, Deduct</i>		-7.30	
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>		2.00	
		<i>For Cushion Backed Tile, Add</i>		6.00	





<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0013 SY 38 Ounce, Non Patterned, Nylon Carpet Tile.....	54.76	4.08
For >200 To 400, Deduct	-0.90	
For >400 To 600, Deduct	-1.34	
For >600 To 900, Deduct	-2.39	
For >900 To 1,500, Deduct	-3.43	
For >1,500 To 2,200, Deduct	-4.98	
For >2,200 To 3,500, Deduct	-6.35	
For >3,500, Deduct	-7.71	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0014 SY 40 Ounce, Non Patterned, Nylon Carpet Tile.....	57.74	4.08
For >200 To 400, Deduct	-0.96	
For >400 To 600, Deduct	-1.43	
For >600 To 900, Deduct	-2.54	
For >900 To 1,500, Deduct	-3.64	
For >1,500 To 2,200, Deduct	-5.27	
For >2,200 To 3,500, Deduct	-6.72	
For >3,500, Deduct	-8.16	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0015 SY 42 Ounce, Non Patterned, Nylon Carpet Tile.....	63.47	4.08
For >200 To 400, Deduct	-1.07	
For >400 To 600, Deduct	-1.60	
For >600 To 900, Deduct	-2.82	
For >900 To 1,500, Deduct	-4.04	
For >1,500 To 2,200, Deduct	-5.85	
For >2,200 To 3,500, Deduct	-7.43	
For >3,500, Deduct	-9.02	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0016 SY Installation Of Owner Provided Non Patterned Carpet Tiles.....	9.99	
<b>09 68 13 00-0017 Patterned Carpet Tiles (09 68 13 00-0001)</b>		
Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.		
09 68 13 00-0018 SY 15 Ounce, Patterned, Nylon Carpet Tile.....	33.98	4.08
For >200 To 400, Deduct	-0.46	
For >400 To 600, Deduct	-0.69	
For >600 To 900, Deduct	-1.31	
For >900 To 1,500, Deduct	-1.94	
For >1,500 To 2,200, Deduct	-2.85	
For >2,200 To 3,500, Deduct	-3.70	
For >3,500, Deduct	-4.55	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0019 SY 18 Ounce, Patterned, Nylon Carpet Tile.....	34.74	4.08
For >200 To 400, Deduct	-0.48	
For >400 To 600, Deduct	-0.71	
For >600 To 900, Deduct	-1.35	
For >900 To 1,500, Deduct	-1.99	
For >1,500 To 2,200, Deduct	-2.92	
For >2,200 To 3,500, Deduct	-3.79	
For >3,500, Deduct	-4.66	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0020 SY 20 Ounce, Patterned, Nylon Carpet Tile.....	36.18	4.08
For >200 To 400, Deduct	-0.50	
For >400 To 600, Deduct	-0.76	
For >600 To 900, Deduct	-1.42	
For >900 To 1,500, Deduct	-2.09	
For >1,500 To 2,200, Deduct	-3.07	
For >2,200 To 3,500, Deduct	-3.97	
For >3,500, Deduct	-4.88	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0021 SY 22 Ounce, Patterned, Nylon Carpet Tile.....	40.75	4.08
For >200 To 400, Deduct	-0.60	
For >400 To 600, Deduct	-0.89	
For >600 To 900, Deduct	-1.65	
For >900 To 1,500, Deduct	-2.41	
For >1,500 To 2,200, Deduct	-3.53	
For >2,200 To 3,500, Deduct	-4.54	
For >3,500, Deduct	-5.56	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0022 SY 24 Ounce, Patterned, Nylon Carpet Tile.....	45.21	4.08
For >200 To 400, Deduct	-0.68	
For >400 To 600, Deduct	-1.03	
For >600 To 900, Deduct	-1.88	
For >900 To 1,500, Deduct	-2.73	
For >1,500 To 2,200, Deduct	-3.97	
For >2,200 To 3,500, Deduct	-5.10	
For >3,500, Deduct	-6.23	
For Cushion Backed Tile, Add	6.00	

**09 Finishes**

09 60 Flooring

09 68 Carpeting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0023	SY	26 Ounce, Patterned, Nylon Carpet Tile	.....	47.81	4.08
		<i>For &gt;200 To 400, Deduct</i>		-0.74	
		<i>For &gt;400 To 600, Deduct</i>		-1.10	
		<i>For &gt;600 To 900, Deduct</i>		-2.01	
		<i>For &gt;900 To 1,500, Deduct</i>		-2.91	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-4.23	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-5.43	
		<i>For &gt;3,500, Deduct</i>		-6.62	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0024	SY	28 Ounce, Patterned, Nylon Carpet Tile	.....	50.48	4.08
		<i>For &gt;200 To 400, Deduct</i>		-0.79	
		<i>For &gt;400 To 600, Deduct</i>		-1.18	
		<i>For &gt;600 To 900, Deduct</i>		-2.14	
		<i>For &gt;900 To 1,500, Deduct</i>		-3.09	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-4.50	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-5.76	
		<i>For &gt;3,500, Deduct</i>		-7.02	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0025	SY	30 Ounce, Patterned, Nylon Carpet Tile	.....	51.27	4.08
		<i>For &gt;200 To 400, Deduct</i>		-0.81	
		<i>For &gt;400 To 600, Deduct</i>		-1.21	
		<i>For &gt;600 To 900, Deduct</i>		-2.18	
		<i>For &gt;900 To 1,500, Deduct</i>		-3.15	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-4.58	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-5.86	
		<i>For &gt;3,500, Deduct</i>		-7.14	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0026	SY	32 Ounce, Patterned, Nylon Carpet Tile	.....	51.77	4.08
		<i>For &gt;200 To 400, Deduct</i>		-0.82	
		<i>For &gt;400 To 600, Deduct</i>		-1.22	
		<i>For &gt;600 To 900, Deduct</i>		-2.20	
		<i>For &gt;900 To 1,500, Deduct</i>		-3.18	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-4.63	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-5.92	
		<i>For &gt;3,500, Deduct</i>		-7.22	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0027	SY	34 Ounce, Patterned, Nylon Carpet Tile	.....	52.19	4.08
		<i>For &gt;200 To 400, Deduct</i>		-0.82	
		<i>For &gt;400 To 600, Deduct</i>		-1.24	
		<i>For &gt;600 To 900, Deduct</i>		-2.22	
		<i>For &gt;900 To 1,500, Deduct</i>		-3.21	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-4.67	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-5.97	
		<i>For &gt;3,500, Deduct</i>		-7.28	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0028	SY	36 Ounce, Patterned, Nylon Carpet Tile	.....	53.61	4.08
		<i>For &gt;200 To 400, Deduct</i>		-0.85	
		<i>For &gt;400 To 600, Deduct</i>		-1.28	
		<i>For &gt;600 To 900, Deduct</i>		-2.30	
		<i>For &gt;900 To 1,500, Deduct</i>		-3.31	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-4.81	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-6.15	
		<i>For &gt;3,500, Deduct</i>		-7.49	
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>		2.00	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0029	SY	38 Ounce, Patterned, Nylon Carpet Tile	.....	56.43	4.08
		<i>For &gt;200 To 400, Deduct</i>		-0.91	
		<i>For &gt;400 To 600, Deduct</i>		-1.36	
		<i>For &gt;600 To 900, Deduct</i>		-2.44	
		<i>For &gt;900 To 1,500, Deduct</i>		-3.51	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-5.09	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-6.50	
		<i>For &gt;3,500, Deduct</i>		-7.92	
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>		2.00	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0030	SY	40 Ounce, Patterned, Nylon Carpet Tile	.....	59.46	4.08
		<i>For &gt;200 To 400, Deduct</i>		-0.97	
		<i>For &gt;400 To 600, Deduct</i>		-1.45	
		<i>For &gt;600 To 900, Deduct</i>		-2.59	
		<i>For &gt;900 To 1,500, Deduct</i>		-3.72	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-5.40	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-6.88	
		<i>For &gt;3,500, Deduct</i>		-8.37	
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>		2.00	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0031	SY	42 Ounce, Patterned, Nylon Carpet Tile	.....	65.27	4.08
		<i>For &gt;200 To 400, Deduct</i>		-1.09	
		<i>For &gt;400 To 600, Deduct</i>		-1.63	
		<i>For &gt;600 To 900, Deduct</i>		-2.88	
		<i>For &gt;900 To 1,500, Deduct</i>		-4.13	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-5.98	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-7.61	
		<i>For &gt;3,500, Deduct</i>		-9.24	
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>		2.00	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0032	SY	Installation Of Owner Provided Patterned Carpet Tiles	.....	11.44	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Flooring	09 60	
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**09 68 13 00-0033 ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series)** (09 68 13 00-0001)

Note: Includes conductive ESD releasable adhesive and grounding clips.

09 68 13 00-0034	SY	24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series).....	82.99	4.08
		<i>For &gt;200 To 400, Deduct</i>	-1.44	
		<i>For &gt;400 To 600, Deduct</i>	-2.16	
		<i>For &gt;600 To 900, Deduct</i>	-3.76	
		<i>For &gt;900 To 1,500, Deduct</i>	-5.37	
		<i>For &gt;1,500 To 2,200, Deduct</i>	-7.75	
		<i>For &gt;2,200 To 3,500, Deduct</i>	-9.82	
		<i>For &gt;3,500, Deduct</i>	-11.90	

**09 68 16 Sheet Carpeting** (09 68)

Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.

**09 68 16 00-0001 Carpet Cushion** (09 68 16)

**09 68 16 00-0002 Carpet Padding** (09 68 16 00-0001)

**09 68 16 00-0003 Prime Polyurethane Foam Carpet Padding** (09 68 16 00-0002)

09 68 16 00-0004	SY	7/16" Thick, Prime Polyurethane Foam Carpet Padding.....	15.90	2.19
		<i>For &gt;200 To 400, Deduct</i>	-0.25	
		<i>For &gt;400 To 600, Deduct</i>	-0.38	
		<i>For &gt;600 To 900, Deduct</i>	-0.68	
		<i>For &gt;900 To 1,500, Deduct</i>	-0.98	
		<i>For &gt;1,500 To 2,200, Deduct</i>	-1.42	
		<i>For &gt;2,200 To 3,500, Deduct</i>	-1.82	
		<i>For &gt;3,500, Deduct</i>	-2.22	
09 68 16 00-0005	SY	1/2" Thick, Prime Polyurethane Foam Carpet Padding.....	16.65	2.19
		<i>For &gt;200 To 400, Deduct</i>	-0.27	
		<i>For &gt;400 To 600, Deduct</i>	-0.40	
		<i>For &gt;600 To 900, Deduct</i>	-0.72	
		<i>For &gt;900 To 1,500, Deduct</i>	-1.03	
		<i>For &gt;1,500 To 2,200, Deduct</i>	-1.50	
		<i>For &gt;2,200 To 3,500, Deduct</i>	-1.92	
		<i>For &gt;3,500, Deduct</i>	-2.33	

**09 68 16 00-0006 Bonded (Rebond) Polyurethane Foam Carpet Padding** (09 68 16 00-0002)

09 68 16 00-0007	SY	1/4" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	9.47	2.19
		<i>For &gt;200 To 400, Deduct</i>	-0.12	
		<i>For &gt;400 To 600, Deduct</i>	-0.18	
		<i>For &gt;600 To 900, Deduct</i>	-0.36	
		<i>For &gt;900 To 1,500, Deduct</i>	-0.53	
		<i>For &gt;1,500 To 2,200, Deduct</i>	-0.78	
		<i>For &gt;2,200 To 3,500, Deduct</i>	-1.02	
		<i>For &gt;3,500, Deduct</i>	-1.25	
09 68 16 00-0008	SY	5/16" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	9.98	2.19
		<i>For &gt;200 To 400, Deduct</i>	-0.13	
		<i>For &gt;400 To 600, Deduct</i>	-0.20	
		<i>For &gt;600 To 900, Deduct</i>	-0.38	
		<i>For &gt;900 To 1,500, Deduct</i>	-0.57	
		<i>For &gt;1,500 To 2,200, Deduct</i>	-0.83	
		<i>For &gt;2,200 To 3,500, Deduct</i>	-1.08	
		<i>For &gt;3,500, Deduct</i>	-1.33	
09 68 16 00-0009	SY	3/8" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	7.59	2.19
		<i>For &gt;200 To 400, Deduct</i>	-0.09	
		<i>For &gt;400 To 600, Deduct</i>	-0.13	
		<i>For &gt;600 To 900, Deduct</i>	-0.26	
		<i>For &gt;900 To 1,500, Deduct</i>	-0.40	
		<i>For &gt;1,500 To 2,200, Deduct</i>	-0.59	
		<i>For &gt;2,200 To 3,500, Deduct</i>	-0.78	
		<i>For &gt;3,500, Deduct</i>	-0.97	
09 68 16 00-0010	SY	3/8" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	9.64	2.19
		<i>For &gt;200 To 400, Deduct</i>	-0.13	
		<i>For &gt;400 To 600, Deduct</i>	-0.19	
		<i>For &gt;600 To 900, Deduct</i>	-0.37	
		<i>For &gt;900 To 1,500, Deduct</i>	-0.54	
		<i>For &gt;1,500 To 2,200, Deduct</i>	-0.80	
		<i>For &gt;2,200 To 3,500, Deduct</i>	-1.04	
		<i>For &gt;3,500, Deduct</i>	-1.28	
09 68 16 00-0011	SY	7/16" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	9.64	2.19
		<i>For &gt;200 To 400, Deduct</i>	-0.13	
		<i>For &gt;400 To 600, Deduct</i>	-0.19	
		<i>For &gt;600 To 900, Deduct</i>	-0.37	
		<i>For &gt;900 To 1,500, Deduct</i>	-0.54	
		<i>For &gt;1,500 To 2,200, Deduct</i>	-0.80	
		<i>For &gt;2,200 To 3,500, Deduct</i>	-1.04	
		<i>For &gt;3,500, Deduct</i>	-1.28	

**09 Finishes****09 60 Flooring****09 68 Carpeting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0012 SY 7/16" Thick, 6 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	9.64	2.19
For >200 To 400, Deduct	-0.13	
For >400 To 600, Deduct	-0.19	
For >600 To 900, Deduct	-0.37	
For >900 To 1,500, Deduct	-0.54	
For >1,500 To 2,200, Deduct	-0.80	
For >2,200 To 3,500, Deduct	-1.04	
For >3,500, Deduct	-1.28	
09 68 16 00-0013 SY 7/16" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.86	2.19
For >200 To 400, Deduct	-0.15	
For >400 To 600, Deduct	-0.23	
For >600 To 900, Deduct	-0.43	
For >900 To 1,500, Deduct	-0.63	
For >1,500 To 2,200, Deduct	-0.92	
For >2,200 To 3,500, Deduct	-1.19	
For >3,500, Deduct	-1.46	
09 68 16 00-0014 SY 1/2" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	9.53	2.19
For >200 To 400, Deduct	-0.12	
For >400 To 600, Deduct	-0.19	
For >600 To 900, Deduct	-0.36	
For >900 To 1,500, Deduct	-0.53	
For >1,500 To 2,200, Deduct	-0.79	
For >2,200 To 3,500, Deduct	-1.03	
For >3,500, Deduct	-1.26	
09 68 16 00-0015 SY 1/2" Thick, 6 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	9.93	2.19
For >200 To 400, Deduct	-0.13	
For >400 To 600, Deduct	-0.20	
For >600 To 900, Deduct	-0.38	
For >900 To 1,500, Deduct	-0.56	
For >1,500 To 2,200, Deduct	-0.83	
For >2,200 To 3,500, Deduct	-1.08	
For >3,500, Deduct	-1.32	
09 68 16 00-0016 SY 1/2" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	11.37	2.19
For >200 To 400, Deduct	-0.16	
For >400 To 600, Deduct	-0.24	
For >600 To 900, Deduct	-0.45	
For >900 To 1,500, Deduct	-0.66	
For >1,500 To 2,200, Deduct	-0.97	
For >2,200 To 3,500, Deduct	-1.26	
For >3,500, Deduct	-1.54	
<b>09 68 16 00-0017 Froth Polyurethane Foam Carpet Padding (09 68 16 00-0002)</b>		
09 68 16 00-0018 SY 0.175" Thick, 16 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	17.02	2.19
For >200 To 400, Deduct	-0.27	
For >400 To 600, Deduct	-0.41	
For >600 To 900, Deduct	-0.73	
For >900 To 1,500, Deduct	-1.06	
For >1,500 To 2,200, Deduct	-1.54	
For >2,200 To 3,500, Deduct	-1.96	
For >3,500, Deduct	-2.39	
09 68 16 00-0019 SY 0.250" Thick, 12 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	19.15	2.19
For >200 To 400, Deduct	-0.32	
For >400 To 600, Deduct	-0.47	
For >600 To 900, Deduct	-0.84	
For >900 To 1,500, Deduct	-1.21	
For >1,500 To 2,200, Deduct	-1.75	
For >2,200 To 3,500, Deduct	-2.23	
For >3,500, Deduct	-2.71	
09 68 16 00-0020 SY 0.250" Thick, 16 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	20.78	2.19
For >200 To 400, Deduct	-0.35	
For >400 To 600, Deduct	-0.52	
For >600 To 900, Deduct	-0.92	
For >900 To 1,500, Deduct	-1.32	
For >1,500 To 2,200, Deduct	-1.91	
For >2,200 To 3,500, Deduct	-2.43	
For >3,500, Deduct	-2.95	
<b>09 68 16 00-0021 Waffle Rubber Carpet Padding (09 68 16 00-0002)</b>		
09 68 16 00-0022 SY 3/8" Thick, 90 OZ/SY Waffle Rubber Carpet Padding.....	19.72	2.19
For >200 To 400, Deduct	-0.33	
For >400 To 600, Deduct	-0.49	
For >600 To 900, Deduct	-0.87	
For >900 To 1,500, Deduct	-1.25	
For >1,500 To 2,200, Deduct	-1.81	
For >2,200 To 3,500, Deduct	-2.30	
For >3,500, Deduct	-2.79	
<b>09 68 16 00-0023 Flat Sponge Rubber Carpet Padding (09 68 16 00-0002)</b>		



<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0024 SY 0.156" Thick, 62 OZ/SY Flat Sponge Rubber Carpet Padding .....	11.48	2.19
For >200 To 400, Deduct	-0.16	
For >400 To 600, Deduct	-0.24	
For >600 To 900, Deduct	-0.46	
For >900 To 1,500, Deduct	-0.67	
For >1,500 To 2,200, Deduct	-0.98	
For >2,200 To 3,500, Deduct	-1.27	
For >3,500, Deduct	-1.56	
09 68 16 00-0025 SY 0.250" Thick, 68 OZ/SY Flat Sponge Rubber Carpet Padding .....	12.36	2.19
For >200 To 400, Deduct	-0.18	
For >400 To 600, Deduct	-0.27	
For >600 To 900, Deduct	-0.50	
For >900 To 1,500, Deduct	-0.73	
For >1,500 To 2,200, Deduct	-1.07	
For >2,200 To 3,500, Deduct	-1.38	
For >3,500, Deduct	-1.69	
09 68 16 00-0026 SY 0.250" Thick, 80 OZ/SY Flat Sponge Rubber Carpet Padding .....	13.00	2.19
For >200 To 400, Deduct	-0.19	
For >400 To 600, Deduct	-0.29	
For >600 To 900, Deduct	-0.53	
For >900 To 1,500, Deduct	-0.78	
For >1,500 To 2,200, Deduct	-1.13	
For >2,200 To 3,500, Deduct	-1.46	
For >3,500, Deduct	-1.78	
09 68 16 00-0027 SY 0.250" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding .....	15.01	2.19
For >200 To 400, Deduct	-0.23	
For >400 To 600, Deduct	-0.35	
For >600 To 900, Deduct	-0.63	
For >900 To 1,500, Deduct	-0.92	
For >1,500 To 2,200, Deduct	-1.34	
For >2,200 To 3,500, Deduct	-1.71	
For >3,500, Deduct	-2.09	
09 68 16 00-0028 SY 0.370" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding .....	15.18	2.19
For >200 To 400, Deduct	-0.24	
For >400 To 600, Deduct	-0.36	
For >600 To 900, Deduct	-0.64	
For >900 To 1,500, Deduct	-0.93	
For >1,500 To 2,200, Deduct	-1.35	
For >2,200 To 3,500, Deduct	-1.73	
For >3,500, Deduct	-2.11	
<b>09 68 16 00-0029 Synthetic Fiber Carpet Padding (09 68 16 00-0002)</b> .....	<b>5.01</b>	<b>2.19</b>
09 68 16 00-0030 SY 0.235" Thick, 20 OZ/SY Synthetic Fiber Carpet Padding.....	5.01	2.19
For >200 To 400, Deduct	-0.03	
For >400 To 600, Deduct	-0.05	
For >600 To 900, Deduct	-0.13	
For >900 To 1,500, Deduct	-0.22	
For >1,500 To 2,200, Deduct	-0.34	
For >2,200 To 3,500, Deduct	-0.46	
For >3,500, Deduct	-0.59	
09 68 16 00-0031 SY 0.235" Thick, 24 OZ/SY Synthetic Fiber Carpet Padding.....	6.34	2.19
For >200 To 400, Deduct	-0.06	
For >400 To 600, Deduct	-0.09	
For >600 To 900, Deduct	-0.20	
For >900 To 1,500, Deduct	-0.31	
For >1,500 To 2,200, Deduct	-0.47	
For >2,200 To 3,500, Deduct	-0.63	
For >3,500, Deduct	-0.79	
09 68 16 00-0032 SY 0.275" Thick, 28 OZ/SY Synthetic Fiber Carpet Padding.....	5.73	2.19
For >200 To 400, Deduct	-0.05	
For >400 To 600, Deduct	-0.07	
For >600 To 900, Deduct	-0.17	
For >900 To 1,500, Deduct	-0.27	
For >1,500 To 2,200, Deduct	-0.41	
For >2,200 To 3,500, Deduct	-0.55	
For >3,500, Deduct	-0.69	
09 68 16 00-0033 SY 0.300" Thick, 32 OZ/SY Synthetic Fiber Carpet Padding.....	5.96	2.19
For >200 To 400, Deduct	-0.05	
For >400 To 600, Deduct	-0.08	
For >600 To 900, Deduct	-0.18	
For >900 To 1,500, Deduct	-0.28	
For >1,500 To 2,200, Deduct	-0.43	
For >2,200 To 3,500, Deduct	-0.58	
For >3,500, Deduct	-0.73	
09 68 16 00-0034 SY 0.350" Thick, 40 OZ/SY Synthetic Fiber Carpet Padding.....	7.33	2.19
For >200 To 400, Deduct	-0.08	
For >400 To 600, Deduct	-0.12	
For >600 To 900, Deduct	-0.25	
For >900 To 1,500, Deduct	-0.38	
For >1,500 To 2,200, Deduct	-0.57	
For >2,200 To 3,500, Deduct	-0.75	
For >3,500, Deduct	-0.93	
<b>09 68 16 00-0035 Double Stick Synthetic Fiber Carpet Padding (09 68 16 00-0002)</b> .....		

## 09 Finishes

## 09 60 Flooring

## 09 68 Carpeting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0036	SY		0.300" Thick, 32 OZ/SY Double Stick Synthetic Fiber Carpet Padding.....	7.74	2.19
			<i>For &gt;200 To 400, Deduct</i>	-0.09	
			<i>For &gt;400 To 600, Deduct</i>	-0.13	
			<i>For &gt;600 To 900, Deduct</i>	-0.27	
			<i>For &gt;900 To 1,500, Deduct</i>	-0.41	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-0.61	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-0.80	
			<i>For &gt;3,500, Deduct</i>	-1.00	
09 68 16 00-0037	SY		0.375" Thick, 40 OZ/SY Double Stick Synthetic Fiber Carpet Padding.....	8.81	2.19
			<i>For &gt;200 To 400, Deduct</i>	-0.11	
			<i>For &gt;400 To 600, Deduct</i>	-0.16	
			<i>For &gt;600 To 900, Deduct</i>	-0.32	
			<i>For &gt;900 To 1,500, Deduct</i>	-0.48	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-0.72	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-0.94	
			<i>For &gt;3,500, Deduct</i>	-1.16	
09 68 16 00-0038			<b>Residential Broadloom Carpet</b> <small>(09 68 16)</small>		
			Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.		
09 68 16 00-0039	SY		25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	33.65	5.84
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.65	
			<i>For Up To 15, Add</i>	3.00	
			<i>For &gt;15 To 33, Add</i>	1.50	
			<i>For &gt;200 To 400, Deduct</i>	-0.37	
			<i>For &gt;400 To 600, Deduct</i>	-0.56	
			<i>For &gt;600 To 900, Deduct</i>	-1.16	
			<i>For &gt;900, Deduct</i>	-1.76	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0040	SY		30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	38.05	5.84
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.65	
			<i>For Up To 15, Add</i>	3.00	
			<i>For &gt;15 To 33, Add</i>	1.50	
			<i>For &gt;200 To 400, Deduct</i>	-0.46	
			<i>For &gt;400 To 600, Deduct</i>	-0.69	
			<i>For &gt;600 To 900, Deduct</i>	-1.38	
			<i>For &gt;900, Deduct</i>	-2.06	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0041	SY		32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	44.08	5.84
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.65	
			<i>For Up To 15, Add</i>	3.00	
			<i>For &gt;15 To 33, Add</i>	1.50	
			<i>For &gt;200 To 400, Deduct</i>	-0.58	
			<i>For &gt;400 To 600, Deduct</i>	-0.87	
			<i>For &gt;600 To 900, Deduct</i>	-1.68	
			<i>For &gt;900, Deduct</i>	-2.49	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0042	SY		34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	50.40	5.84
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.65	
			<i>For Up To 15, Add</i>	3.00	
			<i>For &gt;15 To 33, Add</i>	1.50	
			<i>For &gt;200 To 400, Deduct</i>	-0.71	
			<i>For &gt;400 To 600, Deduct</i>	-1.06	
			<i>For &gt;600 To 900, Deduct</i>	-2.00	
			<i>For &gt;900, Deduct</i>	-2.93	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0043	SY		40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	51.49	5.84
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.65	
			<i>For Up To 15, Add</i>	3.00	
			<i>For &gt;15 To 33, Add</i>	1.50	
			<i>For &gt;200 To 400, Deduct</i>	-0.73	
			<i>For &gt;400 To 600, Deduct</i>	-1.10	
			<i>For &gt;600 To 900, Deduct</i>	-2.05	
			<i>For &gt;900, Deduct</i>	-3.00	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0044	SY		45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	53.08	6.42
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.80	
			<i>For Up To 15, Add</i>	3.20	
			<i>For &gt;15 To 33, Add</i>	1.60	
			<i>For &gt;200 To 400, Deduct</i>	-0.74	
			<i>For &gt;400 To 600, Deduct</i>	-1.11	
			<i>For &gt;600 To 900, Deduct</i>	-2.09	
			<i>For &gt;900, Deduct</i>	-3.08	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0045	SY		48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	54.96	6.42
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.80	
			<i>For Up To 15, Add</i>	3.20	
			<i>For &gt;15 To 33, Add</i>	1.60	
			<i>For &gt;200 To 400, Deduct</i>	-0.78	
			<i>For &gt;400 To 600, Deduct</i>	-1.17	
			<i>For &gt;600 To 900, Deduct</i>	-2.19	
			<i>For &gt;900, Deduct</i>	-3.21	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0046 SY 50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	59.63	6.42
For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	2.80	
For Up To 15, Add	3.20	
For >15 To 33, Add	1.60	
For >200 To 400, Deduct	-0.87	
For >400 To 600, Deduct	-1.31	
For >600 To 900, Deduct	-2.42	
For >900, Deduct	-3.53	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0047 SY 60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	60.18	6.42
For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	2.80	
For Up To 15, Add	3.20	
For >15 To 33, Add	1.60	
For >200 To 400, Deduct	-0.88	
For >400 To 600, Deduct	-1.33	
For >600 To 900, Deduct	-2.45	
For >900, Deduct	-3.57	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0048 SY 65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	62.38	6.42
For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	2.80	
For Up To 15, Add	3.20	
For >15 To 33, Add	1.60	
For >200 To 400, Deduct	-0.93	
For >400 To 600, Deduct	-1.39	
For >600 To 900, Deduct	-2.56	
For >900, Deduct	-3.73	
For Installation On Stairs, Each Riser, Add	6.00	
<b>09 68 16 00-0049 Commercial Broadloom Carpet (09 68 16)</b>		
Note: Level-loop pile or textured-loop pile broadloom carpet.		
<b>09 68 16 00-0050 Non-Patterned Broadloom Carpet (09 68 16 00-0049)</b>		
09 68 16 00-0051 SY 22 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	42.67	16.74
For Up To 15, Add	2.23	
For >15 To 33, Add	1.12	
For >200 To 400, Deduct	-0.63	
For >400 To 600, Deduct	-0.95	
For >600 To 900, Deduct	-1.74	
For >900, Deduct	-2.54	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0052 SY 24 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	42.67	16.74
For Up To 15, Add	2.23	
For >15 To 33, Add	1.12	
For >200 To 400, Deduct	-0.63	
For >400 To 600, Deduct	-0.95	
For >600 To 900, Deduct	-1.74	
For >900, Deduct	-2.54	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0053 SY 26 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	42.67	16.74
For Up To 15, Add	2.23	
For >15 To 33, Add	1.12	
For >200 To 400, Deduct	-0.63	
For >400 To 600, Deduct	-0.95	
For >600 To 900, Deduct	-1.74	
For >900, Deduct	-2.54	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0054 SY 28 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	46.26	18.14
For Up To 15, Add	2.42	
For >15 To 33, Add	1.21	
For >200 To 400, Deduct	-0.68	
For >400 To 600, Deduct	-1.03	
For >600 To 900, Deduct	-1.89	
For >900, Deduct	-2.75	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0055 SY 30 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	47.22	18.14
For Up To 15, Add	2.42	
For >15 To 33, Add	1.21	
For >200 To 400, Deduct	-0.70	
For >400 To 600, Deduct	-1.05	
For >600 To 900, Deduct	-1.94	
For >900, Deduct	-2.82	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	

**09 Finishes**

**09 60 Flooring**

**09 68 Carpeting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0056	SY	32 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	47.39	18.14	
		For Up To 15, Add	2.42		
		For >15 To 33, Add	1.21		
		For >200 To 400, Deduct	-0.71		
		For >400 To 600, Deduct	-1.06		
		For >600 To 900, Deduct	-1.95		
		For >900, Deduct	-2.83		
		For Cut Pile Carpet, Add	1.50		
		For Moisture Barrier Backing, Add	3.50		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0057	SY	34 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	52.16	19.52	
		For Up To 15, Add	2.60		
		For >15 To 33, Add	1.30		
		For >200 To 400, Deduct	-0.78		
		For >400 To 600, Deduct	-1.17		
		For >600 To 900, Deduct	-2.15		
		For >900, Deduct	-3.13		
		For Cut Pile Carpet, Add	1.50		
		For Moisture Barrier Backing, Add	3.50		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0058	SY	36 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet.....	52.86	19.52	
		For Up To 15, Add	2.60		
		For >15 To 33, Add	1.30		
		For >200 To 400, Deduct	-0.80		
		For >400 To 600, Deduct	-1.20		
		For >600 To 900, Deduct	-2.19		
		For >900, Deduct	-3.18		
		For Cut Pile Carpet, Add	1.50		
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00		
		For Moisture Barrier Backing, Add	3.50		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0059	SY	38 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet.....	53.71	19.52	
		For Up To 15, Add	2.60		
		For >15 To 33, Add	1.30		
		For >200 To 400, Deduct	-0.81		
		For >400 To 600, Deduct	-1.22		
		For >600 To 900, Deduct	-2.23		
		For >900, Deduct	-3.24		
		For Cut Pile Carpet, Add	1.50		
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00		
		For Moisture Barrier Backing, Add	3.50		
		For Installation On Stairs, Each Riser, Add	6.00		
<b>09 68 16 00-0060</b>		<b>Patterned Broadloom Carpet</b> <small>(09 68 16 00-0049)</small>			
		Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.			
09 68 16 00-0061	SY	22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	44.26	16.74	
		For Up To 15, Add	2.46		
		For >15 To 33, Add	1.23		
		For >200 To 400, Deduct	-0.64		
		For >400 To 600, Deduct	-0.96		
		For >600 To 900, Deduct	-1.78		
		For >900, Deduct	-2.61		
		For Moisture Barrier Backing, Add	3.50		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0062	SY	24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	44.26	16.74	
		For Up To 15, Add	2.46		
		For >15 To 33, Add	1.23		
		For >200 To 400, Deduct	-0.64		
		For >400 To 600, Deduct	-0.96		
		For >600 To 900, Deduct	-1.78		
		For >900, Deduct	-2.61		
		For Moisture Barrier Backing, Add	3.50		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0063	SY	26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	44.26	16.74	
		For Up To 15, Add	2.46		
		For >15 To 33, Add	1.23		
		For >200 To 400, Deduct	-0.64		
		For >400 To 600, Deduct	-0.96		
		For >600 To 900, Deduct	-1.78		
		For >900, Deduct	-2.61		
		For Moisture Barrier Backing, Add	3.50		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0064	SY	28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	47.98	18.14	
		For Up To 15, Add	2.66		
		For >15 To 33, Add	1.33		
		For >200 To 400, Deduct	-0.69		
		For >400 To 600, Deduct	-1.04		
		For >600 To 900, Deduct	-1.93		
		For >900, Deduct	-2.83		
		For Moisture Barrier Backing, Add	3.50		
		For Installation On Stairs, Each Riser, Add	6.00		





<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0065 SY 30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	48.96	18.14
For Up To 15, Add	2.66	
For >15 To 33, Add	1.33	
For >200 To 400, Deduct	-0.71	
For >400 To 600, Deduct	-1.07	
For >600 To 900, Deduct	-1.98	
For >900, Deduct	-2.90	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0066 SY 32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	49.13	18.14
For Up To 15, Add	2.66	
For >15 To 33, Add	1.33	
For >200 To 400, Deduct	-0.72	
For >400 To 600, Deduct	-1.07	
For >600 To 900, Deduct	-1.99	
For >900, Deduct	-2.91	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0067 SY 34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	54.05	19.52
For Up To 15, Add	2.86	
For >15 To 33, Add	1.43	
For >200 To 400, Deduct	-0.79	
For >400 To 600, Deduct	-1.19	
For >600 To 900, Deduct	-2.20	
For >900, Deduct	-3.21	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0068 SY 36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	54.76	19.52
For Up To 15, Add	2.86	
For >15 To 33, Add	1.43	
For >200 To 400, Deduct	-0.81	
For >400 To 600, Deduct	-1.21	
For >600 To 900, Deduct	-2.24	
For >900, Deduct	-3.26	
For Cut Pile Carpet, Add	1.50	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0069 SY 38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	55.62	19.52
For Up To 15, Add	2.86	
For >15 To 33, Add	1.43	
For >200 To 400, Deduct	-0.83	
For >400 To 600, Deduct	-1.24	
For >600 To 900, Deduct	-2.28	
For >900, Deduct	-3.32	
For Cut Pile Carpet, Add	1.50	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
<b>09 68 16 00-0070 Indoor/Outdoor Carpet (09 68 16)</b>		
Note: Includes waterproof glue.		
09 68 16 00-0071 SY Nylon Indoor/Outdoor Carpet.....	45.62	4.38
09 68 16 00-0072 SY Ozite Indoor/Outdoor Carpet.....	36.54	4.38
<b>09 68 16 00-0073 Carpet Accessories (09 68 16)</b>		
09 68 16 00-0074 LF Metal Carpet Saddle Strip, Up To 4" Wide.....	5.19	0.79
<b>09 68 16 00-0075 Removal And Reinstallation Of Carpet And Pad (09 68 16)</b>		
Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0076 SY Removal And Reinstallation Of Carpet And Pad.....	23.59	
<b>09 68 16 00-0077 Carpeting Support Functions (09 68 16)</b>		
<b>09 68 16 00-0078 Relocate Partitions, Modular Work Stations (09 68 16 00-0077)</b>		
Note: Includes disassembly and reassembly of work station. Excludes electrical disconnection or reconnection.		
09 68 16 00-0079 EA Relocate Modular Work Station .....	277.71	
<b>09 68 16 00-0080 Installation Of Owner Provided Broadloom Carpet (09 68 16)</b>		
09 68 16 00-0081 SY Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet.....	10.08	
Note: Includes adhesive for glue-down or tack strip for padded installations.		
For Up To 15, Add	1.94	
For >15 To 33, Add	0.97	
09 68 16 00-0082 SY >24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet .....	11.70	
Note: Includes adhesive for glue-down or tack strip for padded installations.		
For Up To 15, Add	2.27	
For >15 To 33, Add	1.13	

<b>09</b>	<b>09 Finishes</b>
	<b>09 60 Flooring</b>
	<b>09 68 Carpeting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0083 SY >34 Oz, Installation Of Owner Provided Broadloom Carpet.....	13.96	
Note: Includes adhesive for glue-down or tack strip for padded installations.		
For Up To 15, Add	2.72	
For >15 To 33, Add	1.36	
<b>09 69 Access Flooring (09 60)</b>		
<b>09 69 13 Rigid-Grid Access Flooring (09 69)</b>		
<b>09 69 13 00-0001 Panels, No Covering (09 69 13)</b>		
09 69 13 00-0002 SF 2' x 2' Panels - No Covering Access And Pedestal Floors.....	17.26	0.79
For Carpet Covering, Add	2.77	
For Vinyl Floor Covering, Add	1.91	
<b>09 69 13 00-0003 Pedestals (09 69 13)</b>		
09 69 13 00-0004 EA 2-1/2" To 4" Finished Floor Height, Pedestal Assembly.....	27.89	3.97
09 69 13 00-0005 EA 6" To 12" Finished Floor Height, Pedestal Assembly.....	35.26	3.97
09 69 13 00-0006 EA 30" To 36" Finished Floor Height, Pedestal Assembly.....	42.30	3.97
<b>09 69 13 00-0007 Stringers (09 69 13)</b>		
09 69 13 00-0008 EA 2' Bolted Stringers, Access And Pedestal Floors.....	17.11	4.76
09 69 13 00-0009 EA 6' Bolted Stringers, Access And Pedestal Floors.....	47.65	11.90
<b>09 69 13 00-0010 Understructure (09 69 13)</b>		
09 69 13 00-0011 SF Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height.....	7.84	1.19
<b>09 69 53 Access Flooring Accessories (09 69)</b>		
<b>09 69 53 00-0001 Accessories (09 69 53)</b>		
09 69 53 00-0002 EA 54" x 35" Ramp Assembly.....	427.60	
09 69 53 00-0003 LF 36" Handrail.....	41.23	
09 69 53 00-0004 LF 60" Handrail.....	61.55	5.55
09 69 53 00-0005 LF Accessories, Fascia Plate Access And Pedestal Floors.....	23.34	5.55
09 69 53 00-0006 EA Machine Cutouts.....	190.39	
09 69 53 00-0007 SF Hammered Aluminum Finish Fascia.....	43.65	2.62
Note: Includes trim angles and hardware (8", 12", 18", 24").		
09 69 53 00-0008 EA Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material.....	41.64	
09 69 53 00-0009 EA Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003).....	41.64	
09 69 53 00-0010 EA Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4.....	196.39	9.92
09 69 53 00-0011 EA Flush Mounted Telephone Box (Grey/Black/Communications).....	135.66	9.92
Note: Includes cut hole.		
09 69 53 00-0012 EA Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4.....	196.39	9.92
09 69 53 00-0013 EA Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2.....	103.92	1.59
<b>09 69 53 00-0014 Final Cleaning For Computer Room Raised Floor System (09 69 53)</b>		
Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.		
09 69 53 00-0015 SF Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor.....	2.85	
09 69 53 00-0016 SF Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath.....	2.97	
09 69 53 00-0017 SF Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor.....	2.93	
<b>09 70 Wall Finishes (09)</b>		
<b>09 72 Wall Coverings (09 70)</b>		
<b>09 72 13 Cork Wall Coverings (09 72)</b>		
<b>09 72 13 00-0001 Cork Wall Covering (09 72 13)</b>		
09 72 13 00-0002 SF 1/8" Cork Wall Covering.....	4.61	0.76
09 72 13 00-0003 SF 1/4" Cork Wall Covering.....	5.80	0.76
09 72 13 00-0004 SF 1/2" Cork Wall Covering.....	6.76	0.76
09 72 13 00-0005 SF 3/4" Cork Wall Covering.....	9.56	0.76
<b>09 72 16 Vinyl-Coated Fabric Wall Coverings (09 72)</b>		
<b>09 72 16 13 Flexible Vinyl Wall Coverings (09 72 16)</b>		
<b>09 72 16 13-0001 Vinyl Wall Coverings (09 72 16 13)</b>		
Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 16 13-0002 SF 7-10 Oz/SY Vinyl Wall Covering.....	2.89	0.76
For Owner Furnished Material, Deduct	-1.70	
09 72 16 13-0003 SF 11-14 Oz/SY Vinyl Wall Covering.....	3.74	0.76
For Owner Furnished Material, Deduct	-2.48	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Wall Finishes	09 70	
Wall Coverings	09 72	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 72 16 13-0004 SF 15-19 Oz/SY Vinyl Wall Covering .....	4.37	0.76
<i>For Owner Furnished Material, Deduct</i>	-3.11	
09 72 16 13-0005 SF 20 To 25 Ounces/SY Vinyl Wall Covering .....	5.17	0.76
<i>For Owner Furnished Material, Deduct</i>	-3.58	
09 72 16 13-0006 SF 26-32 Oz/SY Vinyl Wall Covering .....	6.02	0.76
<i>For Owner Furnished Material, Deduct</i>	-4.36	
09 72 16 13-0007 SF 33-38 Oz/SY Vinyl Wall Covering .....	7.24	0.76
<i>For Owner Furnished Material, Deduct</i>	-5.51	
<b>09 72 23 Wallpapering (09 72)</b>		
<b>09 72 23 00-0001 Wallpaper Coverings (09 72 23)</b>		
<i>Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.</i>		
09 72 23 00-0002 SF Average Quality Wallpaper (Standard Grade) .....	2.25	1.01
09 72 23 00-0003 SF High Quality Wallpaper (Designer Grade) .....	3.85	1.29
09 72 23 00-0004 SF Textured Paintable Paper Installed On Ceiling .....	2.94	1.91
<b>09 73 Wall Carpeting (09 70)</b>		
<b>09 73 00 00-0001 Carpet Wall Covering (09 73)</b>		
09 73 00 00-0002 SY 28 Ounce, Nylon Carpet Wall Covering .....	39.09	18.59
09 73 00 00-0003 SY 32 Ounce, Nylon Carpet Wall Covering .....	40.22	18.59
09 73 00 00-0004 SY 34 Ounce, Nylon Carpet Wall Covering .....	43.39	20.02
09 73 00 00-0005 SY 35 Ounce, Nylon Carpet Wall Covering .....	45.88	20.02
09 73 00 00-0006 SY 36 Ounce, Nylon Carpet Wall Covering .....	48.47	20.02
09 73 00 00-0007 SY 38 Ounce, Nylon Carpet Wall Covering .....	49.84	20.02
09 73 00 00-0008 SY 40 Ounce, Nylon Carpet Wall Covering .....	52.02	21.62
09 73 00 00-0009 SY 42 Ounce, Nylon Carpet Wall Covering .....	54.44	21.62
<b>09 74 Flexible Wood Sheets (09 70)</b>		
<b>09 74 16 Flexible Wood Veneers (09 74)</b>		
<b>09 74 16 00-0001 Flexible Wood Veneer (09 74 16)</b>		
09 74 16 00-0002 SF 1/32" Thick, Flexible Maple Wood Veneer .....	9.45	3.05
09 74 16 00-0003 SF 1/32" Thick, Flexible Oak Wood Veneer .....	9.67	3.05
09 74 16 00-0004 SF 1/32" Thick, Flexible Mahogany Wood Veneer .....	9.67	3.05
09 74 16 00-0005 SF 1/32" Thick, Flexible Birch Wood Veneer .....	9.88	3.05
09 74 16 00-0006 SF 1/32" Thick, Flexible Walnut Wood Veneer .....	10.94	3.05
09 74 16 00-0007 SF 1/32" Thick, Flexible Bamboo Wood Veneer .....	12.21	3.05
09 74 16 00-0008 SF 1/32" Thick, Flexible Fir Wood Veneer .....	13.69	3.05
<b>09 74 16 00-0009 Flexible Exotic Wood Veneer (09 74 16)</b>		
09 74 16 00-0010 SF 1/32" Thick, Flexible Exotic Wood Veneer .....	17.35	3.05
<b>09 77 Special Wall Surfacing (09 70)</b>		
<b>09 77 11 Special Wall Panels (09 77)</b>		
<b>09 77 11 00-0001 Sanitary Wall Panels (09 77 11)</b>		
09 77 11 00-0002 SF 0.09" Thick Fire-X Glassboard With Surfseal .....	6.47	1.36
<i>Note: Attached with adhesive.</i>		
<i>For Mechanical Fastening, Add</i>	0.87	
09 77 11 00-0003 SF 0.12" Thick Fire-X Glassboard With Surfseal .....	7.54	1.63
<i>Note: Attached with adhesive.</i>		
<i>For Mechanical Fastening, Add</i>	1.05	
<b>09 80 Acoustic Treatment (09)</b>		
<b>09 81 Acoustic Insulation (09 80)</b>		
<b>09 81 16 Acoustic Blanket Insulation (09 81)</b>		
<b>09 81 16 00-0001 Sound Attenuation Fire Blankets (SAFB) (09 81 16)</b>		
<b>09 81 16 00-0002 2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) (09 81 16 00-0001)</b>		
09 81 16 00-0003 SF 1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB) .....	1.90	0.32
09 81 16 00-0004 SF 2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB) .....	2.04	0.32
09 81 16 00-0005 SF 2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB) .....	2.26	0.32
09 81 16 00-0006 SF 3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB) .....	2.42	0.32
09 81 16 00-0007 SF 3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB) .....	2.63	0.32
09 81 16 00-0008 SF 4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB) .....	2.83	0.32
09 81 16 00-0009 SF 5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB) .....	3.10	0.32
09 81 16 00-0010 SF 6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB) .....	3.41	0.32

<b>09</b>	<b>09 Finishes</b>
	<b>09 80 Acoustic Treatment</b>
	<b>09 81 Acoustic Insulation</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 81 16 00-0011</b> <b>4 PCF Density, Sound Attenuation Fire Blankets (SAFB)</b> <small>(09 81 16 00-0001)</small>		
09 81 16 00-0012    SF    1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	1.86	0.32
<b>09 81 16 00-0013</b> <b>Sound Attenuation Batts</b> <small>(09 81 16)</small>		
<small>Note: NoiseReducer® by Certaineed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.</small>		
09 81 16 00-0014    SF    2-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.18	0.43
09 81 16 00-0015    SF    3-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.27	0.43
09 81 16 00-0016    SF    3-1/2" Thick, Kraft Faced Sound Attenuation Batt.....	1.32	0.43
09 81 16 00-0017    SF    5-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.47	0.43
09 81 16 00-0018    SF    5-1/2" Thick, Kraft Faced Sound Attenuation Batt.....	1.52	0.43
09 81 16 00-0019    SF    6-1/4" Thick, Unfaced Sound Attenuation Batt.....	1.51	0.43
09 81 16 00-0020    SF    6-1/4" Thick, Kraft Faced Sound Attenuation Batt.....	1.56	0.43
<b>09 84    Acoustic Room Components</b> <small>(09 80)</small>		
<b>09 84 13    Fixed Sound-Absorptive Panels</b> <small>(09 84)</small>		
<b>09 84 13 00-0001</b> <b>Sound Absorbing Panels And Attenuation Blankets</b> <small>(09 84 13)</small>		
<small>Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system.</small>		
09 84 13 00-0002    SF    3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler .....	10.83	2.17
09 84 13 00-0003    SF    1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls.....	15.86	2.17
<b>09 84 13 00-0004</b> <b>Sound Absorbing Acoustical Wall Panel System</b> <small>(09 84 13)</small>		
<small>See CSI section 06 11 16 00-0211 for wood furring.</small>		
<b>09 84 13 00-0005</b> <b>Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System</b>		
<small>(Armstrong® Soundsoak®) <small>(09 84 13 00-0004)</small></small>		
<small>Note: Includes tackable surface, molding and mounting hardware for flush mount.</small>		
09 84 13 00-0006    SF    5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl) .....	13.67	2.45
09 84 13 00-0007    SF    3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®) .....	12.63	2.45
09 84 13 00-0008    SF    3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701).....	15.90	2.45
09 84 13 00-0009    SF    3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™) .....	15.92	2.45
09 84 13 00-0010    SF    3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™) .....	17.58	2.45
09 84 13 00-0011    SF    3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™) .....	17.58	2.45
<b>09 84 13 00-0012</b> <b>Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System</b>		
<small>(Armstrong® Soundsoak®) <small>(09 84 13 00-0004)</small></small>		
<small>Note: Includes molding and mounting hardware for flush mount.</small>		
09 84 13 00-0013    SF    1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®).....	15.95	2.45
09 84 13 00-0014    SF    1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701).....	18.64	2.45
09 84 13 00-0015    SF    1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™) .....	18.64	2.45
09 84 13 00-0016    SF    1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™) .....	21.33	2.45
09 84 13 00-0017    SF    1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™) .....	21.33	2.45
<b>09 84 13 00-0018</b> <b>Fabritec Acoustical Wall Panels (Guilford)</b> <small>(09 84 13 00-0004)</small>		
09 84 13 00-0019    EA    24" x 48" x 1-1/2" Thick Fabritec Acoustical Wall Panels.....	247.90	27.23
<small>Note: Guilford FR701.</small>		
<b>09 84 13 00-0020</b> <b>Sound Absorbing Panel, Eggcrate Style</b> <small>(09 84 13)</small>		
<small>Note: Ceiling or wall hung back.</small>		
09 84 13 00-0021    SF    2" Thick Polyurethane Sound Wave (Eggcrate Style).....	10.00	
<small>For Pyramid Style, Add</small>		
09 84 13 00-0022    SF    3" Thick Polyurethane Sound Wave (Eggcrate Style).....	13.00	
<small>For Pyramid Style, Add</small>		
09 84 13 00-0023    SF    4" Thick Polyurethane Sound Wave (Eggcrate Style).....	16.72	
<small>For Pyramid Style, Add</small>		
09 84 13 00-0024    SF    2" Thick Melamine Sound Wave (Eggcrate Style) .....	12.65	
<small>For Eggcrate Style With Hypalon Coating, Add</small>		
<small>For Pyramid Style, Add</small>		
<small>For Pyramid Style With Hypalon Coating, Add</small>		



<b>Finishes</b>	<b>09</b>	<b>9</b>
Acoustic Treatment	09 80	
Acoustic Room Components	09 84	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 84 13 00-0025 SF 3" Thick Melamine Sound Wave (Eggcrate Style) .....	29.57	
For Eggcrate Style With Hypalon Coating, Add	1.97	
For Pyramid Style, Add	0.42	
For Pyramid Style With Hypalon Coating, Add	2.40	
09 84 13 00-0026 SF 4" Thick Melamine Sound Wave (Eggcrate Style) .....	38.01	
For Eggcrate Style With Hypalon Coating, Add	1.97	
For Pyramid Style, Add	0.42	
For Pyramid Style With Hypalon Coating, Add	2.40	
<b>09 84 13 00-0027 Sound Deadening Fiberboard</b> <small>(09 84 13)</small>		
09 84 13 00-0028 SF 1/2" Sound Deadening Fiberboard.....	1.92	0.54
For Horizontal Installation Up To 10' High, Add	0.34	
For Horizontal Installation >10' High, Add	0.50	
For Walls >10' High, Add	0.08	
For Up To 128, Add	0.58	
For >128 To 320, Add	0.34	

## 09 90 Painting and Coating (09)

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing existing wall surfaces or small holes not requiring patching in excess of items included above.

## 09 91 Painting (09 90)

### 09 91 13 Exterior Painting (09 91)

Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

#### 09 91 13 00-0001 Paint Exterior Walls/Siding (09 91 13)

#### 09 91 13 00-0002 Paint Exterior Brick Walls (09 91 13 00-0001)

09 91 13 00-0003 SF 1 Coat Filler, Brush Work, Paint Exterior Brick Walls.....	0.84	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0004 SF 1 Coat Paint, Brush Work, Paint Exterior Brick Walls .....	1.20	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.40	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.56	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.79	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0005	SF		2 Coats Paint, Brush Work, Paint Exterior Brick Walls.....	1.73	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.74	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.35	
09 91 13 00-0006	SF		1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls .....	0.57	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.11	
09 91 13 00-0007	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls .....	0.93	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.38	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0008	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls .....	1.38	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.38	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.52	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 13 00-0009	SF		1 Coat Filler, Sprayed, Paint Exterior Brick Walls .....	0.55	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.05	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.09	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.14	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.20	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.30	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0010 SF 1 Coat Paint, Sprayed, Paint Exterior Brick Walls.....	0.56	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.04	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.07	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.12	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.16	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0011 SF 2 Coats Paint, Sprayed, Paint Exterior Brick Walls.....	1.20	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0012 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Brick Walls.....	0.19	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.09	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.12	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
<b>09 91 13 00-0013 Paint Exterior Concrete Walls (09 91 13 00-0001)</b>		
09 91 13 00-0014 SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Walls.....	0.71	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0015	SF		1 Coat Filler, Brush Work, Paint Exterior Concrete Walls .....	0.77	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.36	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
09 91 13 00-0016	SF		2 Coats Paint, Brush Work, Paint Exterior Concrete Walls .....	1.46	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.50	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.68	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.96	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
09 91 13 00-0017	SF		1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls .....	0.57	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.24	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.11	
09 91 13 00-0018	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls .....	0.65	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	





<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0019 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls.....	1.10	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0020 SF 1 Coat Filler, Sprayed, Paint Exterior Concrete Walls .....	0.50	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.14	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.19	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.28	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 13 00-0021 SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Walls .....	0.46	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.08	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.13	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.18	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0022 SF 2 Coats Paint, Sprayed, Paint Exterior Concrete Walls .....	0.79	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0023	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Walls .....	0.13	
			<i>For Oil Based Paint, Add</i>	0.01	
			<i>For Epoxy Paint, Add</i>	0.01	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.02	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.03	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.04	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.06	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.09	
			<i>For &gt;100 To 250, Add</i>	0.04	
			<i>For &gt;250 To 500, Add</i>	0.02	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.01	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.02	
			<i>For &gt;20,000, Deduct</i>	-0.03	
09 91 13 00-0024			Paint Exterior Concrete Block Walls <small>(09 91 13 00-0001)</small>		
09 91 13 00-0025			Paint Exterior Concrete Block Walls, Epoxy Paint <small>(09 91 13 00-0024)</small>		
09 91 13 00-0026	LF		1 Coat Epoxy Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls.....	0.18	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.02	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.04	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.06	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.11	
			<i>For &gt;100 To 250, Add</i>	0.05	
			<i>For &gt;250 To 500, Add</i>	0.02	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.03	
			<i>For &gt;20,000, Deduct</i>	-0.04	
09 91 13 00-0027	SF		1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls.....	0.99	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.41	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.60	
			<i>For &gt;100 To 250, Add</i>	0.29	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
			<i>For &gt;20,000, Deduct</i>	-0.20	
09 91 13 00-0028	SF		1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls .....	1.14	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.36	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.50	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.71	
			<i>For &gt;100 To 250, Add</i>	0.34	
			<i>For &gt;250 To 500, Add</i>	0.15	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17	
			<i>For &gt;20,000, Deduct</i>	-0.23	
09 91 13 00-0029	SF		2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls .....	1.98	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.60	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.83	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.20	
			<i>For &gt;100 To 250, Add</i>	0.57	
			<i>For &gt;250 To 500, Add</i>	0.25	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.20	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.30	
			<i>For &gt;20,000, Deduct</i>	-0.40	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0030 SF 1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	0.81	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0031 SF 1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	0.90	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0032 SF 2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.60	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.28	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.45	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.62	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.91	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 13 00-0033 SF 1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls.....	0.66	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.14	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.20	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.32	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0034 SF 1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls.....	0.73	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.17	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.24	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0035	SF		2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls.....	1.41	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 13 00-0036			<b>Paint Exterior Concrete Block Walls, Acrylic Latex Paint (09 91 13 00-0024)</b>		
09 91 13 00-0037	SF		1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls.....	0.91	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0038	SF		1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls.....	1.08	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 91 13 00-0039	SF		2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls.....	1.98	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.39	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.62	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.85	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.23	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.40	
09 91 13 00-0040	SF		1 Coat Texture Paint, Brush Work, Paint Exterior Concrete Block Walls.....	1.21	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0041 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	0.72	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0042 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	0.92	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0043 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.58	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.63	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 13 00-0044 SF 1 Coat Texture Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.03	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.43	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.21	
09 91 13 00-0045 SF 1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls.....	0.70	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0046	SF	1	Coat Paint, Sprayed, Paint Exterior Concrete Block Walls .....	0.73	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.39	
			<i>For &gt;100 To 250, Add</i>	0.19	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
			<i>For &gt;20,000, Deduct</i>	-0.15	
09 91 13 00-0047	SF	2	Coats Paint, Sprayed, Paint Exterior Concrete Block Walls.....	1.14	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.45	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.66	
			<i>For &gt;100 To 250, Add</i>	0.32	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17	
			<i>For &gt;20,000, Deduct</i>	-0.23	
09 91 13 00-0048	SF	1	Coat Texture Paint, Sprayed, Paint Exterior Concrete Block Walls .....	0.94	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.51	
			<i>For &gt;100 To 250, Add</i>	0.25	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
			<i>For &gt;20,000, Deduct</i>	-0.19	
09 91 13 00-0049	LF	1	Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls.....	0.18	
			<i>For Oil Based Paint, Add</i>	0.01	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.02	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.04	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.06	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.11	
			<i>For &gt;100 To 250, Add</i>	0.05	
			<i>For &gt;250 To 500, Add</i>	0.02	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.03	
			<i>For &gt;20,000, Deduct</i>	-0.04	

09 91 13 00-0050 Paint Exterior Drywall/Plaster Walls (09 91 13 00-0001)



<b>Finishes</b>	<b>09</b>	<b>2</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0051 SF 1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall.....	0.73	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.33	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
For Epoxy Paint, Add	0.08	
09 91 13 00-0052 SF 1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls .....	0.80	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.38	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
For Epoxy Paint, Add	0.07	
09 91 13 00-0053 SF 2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls.....	1.46	
For Oil Based Paint, Add	0.08	
For Orange Peel Finish, Add	0.20	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.31	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.50	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.68	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.96	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
For Epoxy Paint, Add	0.14	
09 91 13 00-0054 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	0.58	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Epoxy Paint, Add	0.07	

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 13 00-0055	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls .....	0.59
		<i>For Oil Based Paint, Add</i>	0.04
		<i>For Orange Peel Finish, Add</i>	0.08
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.12
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.19
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.26
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.38
		<i>For &gt;100 To 250, Add</i>	0.18
		<i>For &gt;250 To 500, Add</i>	0.08
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09
		<i>For &gt;20,000, Deduct</i>	-0.12
		<i>For Epoxy Paint, Add</i>	0.06
09 91 13 00-0056	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls .....	1.08
		<i>For Oil Based Paint, Add</i>	0.07
		<i>For Orange Peel Finish, Add</i>	0.15
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.22
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.34
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.47
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.68
		<i>For &gt;100 To 250, Add</i>	0.32
		<i>For &gt;250 To 500, Add</i>	0.14
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16
		<i>For &gt;20,000, Deduct</i>	-0.22
		<i>For Epoxy Paint, Add</i>	0.12
09 91 13 00-0057	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls .....	0.50
		<i>For Oil Based Paint, Add</i>	0.03
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.05
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.09
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.14
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.19
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.28
		<i>For &gt;100 To 250, Add</i>	0.14
		<i>For &gt;250 To 500, Add</i>	0.06
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.08
		<i>For &gt;20,000, Deduct</i>	-0.10
		<i>For Epoxy Paint, Add</i>	0.07
09 91 13 00-0058	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls .....	0.53
		<i>For Oil Based Paint, Add</i>	0.03
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.06
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.10
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.16
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.22
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.32
		<i>For &gt;100 To 250, Add</i>	0.15
		<i>For &gt;250 To 500, Add</i>	0.07
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.08
		<i>For &gt;20,000, Deduct</i>	-0.11
		<i>For Epoxy Paint, Add</i>	0.07





<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0059 SF 2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls.....	0.87	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.33	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
For Epoxy Paint, Add	0.12	
09 91 13 00-0060 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Walls.....	0.13	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.03	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.04	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.06	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.09	
For >100 To 250, Add	0.04	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
For Epoxy Paint, Add	0.01	
<b>09 91 13 00-0061 Paint Exterior Metal Walls (09 91 13 00-0001)</b>		
<b>09 91 13 00-0062 Paint Exterior Galvanized Walls (09 91 13 00-0061)</b>		
Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0063 SF 1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	0.97	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 13 00-0064 SF 1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	1.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0065	SF 2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces .....	1.96	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.34	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.54	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.74	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.10	
	For >100 To 250, Add	0.53	
	For >250 To 500, Add	0.23	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.20	
	For >10,000 To 20,000, Deduct	-0.29	
	For >20,000, Deduct	-0.39	
09 91 13 00-0066	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls.....	0.74	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.20	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.27	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.41	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	
09 91 13 00-0067	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls .....	0.84	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.23	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.47	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	
09 91 13 00-0068	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls .....	1.58	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.42	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.58	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.87	
	For >100 To 250, Add	0.42	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.24	
	For >20,000, Deduct	-0.32	
09 91 13 00-0069	SF 1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls .....	0.65	
	For Work >15' To 20' Above Floor, Add	0.05	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.08	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.12	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.17	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.28	
	For >100 To 250, Add	0.14	
	For >250 To 500, Add	0.06	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.13	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0070 SF 1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls.....	0.83	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0071 SF 2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls.....	1.41	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.64	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
<b>09 91 13 00-0072 Paint Exterior Aluminum And Aluminum Alloy Walls (09 91 13 00-0061)</b>		
Note: Alkyd enamel paint.		
09 91 13 00-0073 SF 1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	0.97	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 13 00-0074 SF 1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	1.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0075 SF 2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	1.95	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.74	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.10	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.39	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0076	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.83	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.19	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.26	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.41	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.17	
09 91 13 00-0077	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.93	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.23	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.49	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 13 00-0078	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	1.76	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.42	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.58	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.90	
	For >100 To 250, Add	0.44	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.18	
	For >10,000 To 20,000, Deduct	-0.26	
	For >20,000, Deduct	-0.35	
09 91 13 00-0079	SF 1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.71	
	For Work >15' To 20' Above Floor, Add	0.05	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.09	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.14	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.20	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.32	
	For >100 To 250, Add	0.16	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.14	
09 91 13 00-0080	SF 1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.83	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.19	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.26	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.41	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.17	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0081 SF 2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls.....	1.41	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.64	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
<b>09 91 13 00-0082 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks (09 91 13 00-0061)</b>		
09 91 13 00-0083 LF 1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	12.48	
For Work >15' To 20' Above Floor, Add	1.61	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	2.69	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	4.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	5.91	
Note: Applied only to work area above 40'.		
For Up To 100, Add	8.32	
For >100 To 250, Add	3.93	
For >250 To 500, Add	1.70	
For >2,500 To 5,000, Deduct	-0.62	
For >5,000 To 10,000, Deduct	-1.25	
For >10,000 To 20,000, Deduct	-1.87	
For >20,000, Deduct	-2.50	
09 91 13 00-0084 LF 1 Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	13.90	
For Work >15' To 20' Above Floor, Add	1.79	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	2.99	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	4.78	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	6.57	
Note: Applied only to work area above 40'.		
For Up To 100, Add	9.25	
For >100 To 250, Add	4.38	
For >250 To 500, Add	1.89	
For >2,500 To 5,000, Deduct	-0.70	
For >5,000 To 10,000, Deduct	-1.39	
For >10,000 To 20,000, Deduct	-2.09	
For >20,000, Deduct	-2.78	
09 91 13 00-0085 LF 2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	25.94	
For Work >15' To 20' Above Floor, Add	3.37	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	5.61	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	8.98	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	12.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	17.36	
For >100 To 250, Add	8.21	
For >250 To 500, Add	3.54	
For >2,500 To 5,000, Deduct	-1.30	
For >5,000 To 10,000, Deduct	-2.59	
For >10,000 To 20,000, Deduct	-3.89	
For >20,000, Deduct	-5.19	
<b>09 91 13 00-0086 Paint Exterior Corrugated Metal Walls (09 91 13 00-0061)</b>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0087	SF		1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls.....	0.80	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.06	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.36	
			<i>For &gt;100 To 250, Add</i>	0.18	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
			<i>For &gt;20,000, Deduct</i>	-0.16	
09 91 13 00-0088	SF		1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls.....	1.04	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.35	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.54	
			<i>For &gt;100 To 250, Add</i>	0.26	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16	
			<i>For &gt;20,000, Deduct</i>	-0.21	
09 91 13 00-0089	SF		2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls.....	1.76	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.53	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.84	
			<i>For &gt;100 To 250, Add</i>	0.42	
			<i>For &gt;250 To 500, Add</i>	0.18	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.18	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.26	
			<i>For &gt;20,000, Deduct</i>	-0.35	
<b>09 91 13 00-0090</b>			<b>Paint Exterior Stucco Walls</b> (09 91 13 00-0091)		
09 91 13 00-0091	SF		1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces.....	1.22	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.42	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.58	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.82	
			<i>For &gt;100 To 250, Add</i>	0.39	
			<i>For &gt;250 To 500, Add</i>	0.17	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.18	
			<i>For &gt;20,000, Deduct</i>	-0.24	
09 91 13 00-0092	SF		1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces.....	1.35	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.46	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.64	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.90	
			<i>For &gt;100 To 250, Add</i>	0.43	
			<i>For &gt;250 To 500, Add</i>	0.18	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.14	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.20	
			<i>For &gt;20,000, Deduct</i>	-0.27	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0093 SF 2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces .....	2.50	
For Oil Based Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.32	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.53	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.85	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.17	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.65	
For >100 To 250, Add	0.78	
For >250 To 500, Add	0.34	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000 To 20,000, Deduct	-0.38	
For >20,000, Deduct	-0.50	
09 91 13 00-0094 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls.....	0.92	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0095 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls.....	1.05	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0096 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls.....	1.93	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.39	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.62	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.85	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.22	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.39	
09 91 13 00-0097 SF 1 Coat Primer, Sprayed, Paint Exterior Stucco Walls.....	0.70	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.28	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 13 00-0098	SF	1 Coat Paint, Sprayed, Paint Exterior Stucco Walls.....	0.84	
		For Oil Based Paint, Add	0.05	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.33	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.49	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	
09 91 13 00-0099	SF	2 Coats Paint, Sprayed, Paint Exterior Stucco Walls.....	1.64	
		For Oil Based Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.18	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.30	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.48	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.67	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.97	
		For >100 To 250, Add	0.47	
		For >250 To 500, Add	0.20	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.25	
		For >20,000, Deduct	-0.33	
09 91 13 00-0100	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces.....	0.22	
		For Oil Based Paint, Add	0.01	
		For Work >15' To 20' Above Floor, Add	0.03	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.05	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.08	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.10	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.15	
		For >100 To 250, Add	0.07	
		For >250 To 500, Add	0.03	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 20,000, Deduct	-0.03	
		For >20,000, Deduct	-0.04	
09 91 13 00-0101		Paint Exterior Wood Siding <small>(09 91 13 00-0001)</small>		
09 91 13 00-0102		Paint Exterior Smooth Wood Siding <small>(09 91 13 00-0101)</small>		
		Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 91 13 00-0103	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding.....	1.03	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.46	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.66	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.21	





<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0104 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding .....	1.09	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 13 00-0105 SF 2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding.....	1.94	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.24	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.41	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.65	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.89	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.26	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.39	
09 91 13 00-0106 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	0.80	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0107 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	0.88	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.38	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 13 00-0108 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	1.66	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.32	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.51	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.70	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.02	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0109	SF		1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding .....	0.66	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.24	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0110	SF		1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding.....	0.80	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.23	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0111	SF		2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding.....	1.26	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0112	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding.....	0.18	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.08	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.12	
			For >100 To 250, Add	0.06	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	

09 91 13 00-0113 Paint Exterior Rough Wood Siding (09 91 13 00-0101)  
Note: Includes shingles, shakes or rough sawn siding.



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0114 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding .....	1.38	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.90	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0115 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding.....	1.38	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.31	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.49	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.67	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.94	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0116 SF 2 Coats Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding.....	2.54	
For Oil Based Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.33	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.56	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.89	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.22	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.71	
For >100 To 250, Add	0.81	
For >250 To 500, Add	0.35	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000 To 20,000, Deduct	-0.38	
For >20,000, Deduct	-0.51	
09 91 13 00-0117 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) .....	1.21	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.70	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0118 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) .....	1.32	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.78	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	

<b>09</b>	<b>Finishes</b>
<b>09 90</b>	<b>Painting and Coating</b>
<b>09 91</b>	<b>Painting</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 13 00-0119	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	2.43
		<i>For Oil Based Paint, Add</i>	0.16
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.26
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.43
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.69
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.95
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	1.40
		<i>For &gt;100 To 250, Add</i>	0.68
		<i>For &gt;250 To 500, Add</i>	0.29
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.12
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.24
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.36
		<i>For &gt;20,000, Deduct</i>	-0.49
09 91 13 00-0120	SF	1 Coat Primer, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	0.90
		<i>For Oil Based Paint, Add</i>	0.06
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.15
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.24
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.33
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.50
		<i>For &gt;100 To 250, Add</i>	0.24
		<i>For &gt;250 To 500, Add</i>	0.11
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14
		<i>For &gt;20,000, Deduct</i>	-0.18
09 91 13 00-0121	SF	1 Coat Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) .....	1.01
		<i>For Oil Based Paint, Add</i>	0.07
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.28
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.39
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.58
		<i>For &gt;100 To 250, Add</i>	0.28
		<i>For &gt;250 To 500, Add</i>	0.12
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15
		<i>For &gt;20,000, Deduct</i>	-0.20
09 91 13 00-0122	SF	2 Coats Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) .....	1.91
		<i>For Oil Based Paint, Add</i>	0.13
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.20
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.33
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.53
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.73
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	1.08
		<i>For &gt;100 To 250, Add</i>	0.52
		<i>For &gt;250 To 500, Add</i>	0.23
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.19
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.29
		<i>For &gt;20,000, Deduct</i>	-0.38

09 91 13 00-0123 Paint Exterior Vinyl Siding (09 91 13 00-0001)



<b>Finishes</b>	<b>09</b>	<b>99</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0124 SF 1 Coat Primer, Brush Work, Paint Exterior Vinyl Siding.....	0.77	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	
09 91 13 00-0125 SF 1 Coat Paint, Brush Work, Paint Exterior Vinyl Siding.....	0.85	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0126 SF 2 Coats Paint, Brush Work, Paint Exterior Vinyl Siding .....	1.56	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
09 91 13 00-0127 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Vinyl Siding.....	0.70	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0128 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Vinyl Siding.....	0.70	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0129	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Vinyl Siding .....	1.29	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91 13 00-0130	SF		1 Coat Primer, Sprayed, Paint Exterior Vinyl Siding .....	0.63	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.05	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.09	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.14	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.20	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.13	
09 91 13 00-0131	SF		1 Coat Paint, Sprayed, Paint Exterior Vinyl Siding.....	0.71	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.05	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.09	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.14	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.20	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 13 00-0132	SF		2 Coats Paint, Sprayed, Paint Exterior Vinyl Siding.....	1.38	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 13 00-0133	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Vinyl Siding.....	0.14	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.03	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.04	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.06	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.09	
			For >100 To 250, Add	0.04	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 20,000, Deduct	-0.02	
			For >20,000, Deduct	-0.03	



<b>Finishes</b>	<b>09</b>	
Painting and Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0134 Paint Exterior Ceilings <small>(09 91 13)</small>		
09 91 13 00-0135 Paint Exterior Concrete Ceilings <small>(09 91 13 00-0134)</small>		
09 91 13 00-0136 SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling.....	0.80	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0137 SF 1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling.....	0.88	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 13 00-0138 SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling.....	1.57	
For Oil Based Paint, Add	0.09	
For Epoxy Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.74	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.05	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.31	
09 91 13 00-0139 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling.....	0.62	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.27	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0140	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling .....	0.69	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.23	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91 13 00-0141	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling.....	1.29	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.84	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91 13 00-0142	SF		1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling .....	0.52	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.05	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.09	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.14	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.20	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 13 00-0143	SF		1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling.....	0.61	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.19	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.26	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	





<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0144 SF 2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling.....	0.98	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0145 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Ceiling.....	0.15	
For Oil Based Paint, Add	0.01	
For Epoxy Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.03	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.05	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.07	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.10	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
<b>09 91 13 00-0146 Drywall/Plaster (09 91 13 00-0134)</b>		
09 91 13 00-0147 SF 1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	0.81	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.11	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
For Epoxy Paint, Add	0.08	
09 91 13 00-0148 SF 1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	0.88	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.12	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
For Epoxy Paint, Add	0.08	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0149	SF		2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	1.57	
			For Oil Based Paint, Add	0.09	
			For Orange Peel Finish, Add	0.22	
			For Epoxy Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.74	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.05	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.31	
			For Epoxy Paint, Add	0.14	
09 91 13 00-0150	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling.....	0.60	
			For Oil Based Paint, Add	0.04	
			For Orange Peel Finish, Add	0.08	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.19	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.26	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
			For Epoxy Paint, Add	0.07	
09 91 13 00-0151	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling.....	0.69	
			For Oil Based Paint, Add	0.04	
			For Orange Peel Finish, Add	0.10	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.23	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
			For Epoxy Paint, Add	0.07	
09 91 13 00-0152	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling.....	1.28	
			For Oil Based Paint, Add	0.08	
			For Orange Peel Finish, Add	0.18	
			For Epoxy Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.42	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.58	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
			For Epoxy Paint, Add	0.13	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0153 SF 1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling.....	0.51	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.14	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.19	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
For Epoxy Paint, Add	0.07	
09 91 13 00-0154 SF 1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling.....	0.61	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Epoxy Paint, Add	0.07	
09 91 13 00-0155 SF 2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling.....	0.99	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
For Epoxy Paint, Add	0.13	
09 91 13 00-0156 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	0.15	
For Oil Based Paint, Add	0.01	
For Epoxy Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.03	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.05	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.07	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.10	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
For Epoxy Paint, Add	0.01	

09 91 13 00-0157 Paint Exterior Wood Ceilings (09 91 13 00-0134)

09 91 13 00-0158 Paint Exterior Smooth Wood Ceilings (09 91 13 00-0157)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0159	SF	1	Coat Primer, Brush Work, Paint Exterior Wood Smooth Ceiling .....	0.99	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.44	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.63	
			<i>For &gt;100 To 250, Add</i>	0.30	
			<i>For &gt;250 To 500, Add</i>	0.13	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
			<i>For &gt;20,000, Deduct</i>	-0.20	
09 91 13 00-0160	SF	1	Coat Paint, Brush Work, Paint Exterior Wood Smooth Ceiling .....	1.02	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.47	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.67	
			<i>For &gt;100 To 250, Add</i>	0.32	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
			<i>For &gt;20,000, Deduct</i>	-0.20	
09 91 13 00-0161	SF	2	Coats Paint, Brush Work, Paint Exterior Wood Smooth Ceiling.....	1.87	
			<i>For Oil Based Paint, Add</i>	0.11	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.39	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.62	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.85	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.21	
			<i>For &gt;100 To 250, Add</i>	0.57	
			<i>For &gt;250 To 500, Add</i>	0.25	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.19	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.28	
			<i>For &gt;20,000, Deduct</i>	-0.37	
09 91 13 00-0162	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	0.80	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.47	
			<i>For &gt;100 To 250, Add</i>	0.23	
			<i>For &gt;250 To 500, Add</i>	0.10	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
			<i>For &gt;20,000, Deduct</i>	-0.16	
09 91 13 00-0163	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	0.86	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.37	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.53	
			<i>For &gt;100 To 250, Add</i>	0.25	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.17	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0164 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling .....	1.54	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
09 91 13 00-0165 SF 1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Ceiling .....	0.64	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0166 SF 1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Ceiling .....	0.64	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0167 SF 2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Ceiling .....	1.15	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 13 00-0168 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Ceiling .....	0.17	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.08	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.11	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.03	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>09 91 13 00-0169</b>	<b>Paint Exterior Rough Wood Ceilings</b> <small>(09 91 13 00-0157)</small>		
09 91 13 00-0170	SF 1 Coat Primer, Brush Work, Paint Exterior Wood Rough Ceiling.....	1.48	
	<i>For Oil Based Paint, Add</i>	0.09	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.18	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.30	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.48	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.67	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.95	
	<i>For &gt;100 To 250, Add</i>	0.45	
	<i>For &gt;250 To 500, Add</i>	0.20	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.22	
	<i>For &gt;20,000, Deduct</i>	-0.30	
09 91 13 00-0171	SF 1 Coat Paint, Brush Work, Paint Exterior Wood Rough Ceiling.....	1.51	
	<i>For Oil Based Paint, Add</i>	0.08	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.20	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.34	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.54	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.74	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.04	
	<i>For &gt;100 To 250, Add</i>	0.49	
	<i>For &gt;250 To 500, Add</i>	0.21	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23	
	<i>For &gt;20,000, Deduct</i>	-0.30	
09 91 13 00-0172	SF 2 Coats Paint, Brush Work, Paint Exterior Wood Rough Ceiling.....	2.64	
	<i>For Oil Based Paint, Add</i>	0.15	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.35	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.58	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.93	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	1.28	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.79	
	<i>For &gt;100 To 250, Add</i>	0.84	
	<i>For &gt;250 To 500, Add</i>	0.36	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.13	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.26	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.40	
	<i>For &gt;20,000, Deduct</i>	-0.53	
09 91 13 00-0173	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	1.32	
	<i>For Oil Based Paint, Add</i>	0.08	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.15	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.24	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.39	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.53	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.78	
	<i>For &gt;100 To 250, Add</i>	0.37	
	<i>For &gt;250 To 500, Add</i>	0.16	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.20	
	<i>For &gt;20,000, Deduct</i>	-0.26	
09 91 13 00-0174	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	1.41	
	<i>For Oil Based Paint, Add</i>	0.09	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.27	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.42	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.58	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.85	
	<i>For &gt;100 To 250, Add</i>	0.41	
	<i>For &gt;250 To 500, Add</i>	0.18	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.14	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.21	
	<i>For &gt;20,000, Deduct</i>	-0.28	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0175 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	2.52	
For Oil Based Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.27	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.46	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.73	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.00	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.47	
For >100 To 250, Add	0.71	
For >250 To 500, Add	0.31	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000 To 20,000, Deduct	-0.38	
For >20,000, Deduct	-0.50	
09 91 13 00-0176 SF 1 Coat Primer, Sprayed, Paint Exterior Rough Wood Ceiling.....	1.01	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0177 SF 1 Coat Paint, Sprayed, Paint Exterior Rough Wood Ceiling.....	1.13	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 13 00-0178 SF 2 Coats Paint, Sprayed, Paint Exterior Rough Wood Ceiling.....	2.03	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.36	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.58	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.79	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.17	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.41	

- 09 91 13 00-0179 Paint Exterior Metal Ceilings (09 91 13 00-0134)
- 09 91 13 00-0180 Paint Exterior Galvanized Ceilings (09 91 13 00-0179)  
Note: Linseed oil or acrylic latex paint.

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 13 00-0181	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Ceiling.....	1.07	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.19	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.31	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.42	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.62	
		<i>For &gt;100 To 250, Add</i>	0.30	
		<i>For &gt;250 To 500, Add</i>	0.13	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16	
		<i>For &gt;20,000, Deduct</i>	-0.21	
09 91 13 00-0182	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Ceiling.....	1.16	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.22	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.34	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.47	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.69	
		<i>For &gt;100 To 250, Add</i>	0.33	
		<i>For &gt;250 To 500, Add</i>	0.14	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17	
		<i>For &gt;20,000, Deduct</i>	-0.23	
09 91 13 00-0183	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Ceiling.....	2.15	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.23	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.39	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.62	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.85	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	1.25	
		<i>For &gt;100 To 250, Add</i>	0.60	
		<i>For &gt;250 To 500, Add</i>	0.26	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.11	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.22	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.32	
		<i>For &gt;20,000, Deduct</i>	-0.43	
09 91 13 00-0184	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Ceiling.....	0.83	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.15	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.23	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.32	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.47	
		<i>For &gt;100 To 250, Add</i>	0.23	
		<i>For &gt;250 To 500, Add</i>	0.10	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
		<i>For &gt;20,000, Deduct</i>	-0.17	
09 91 13 00-0185	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling.....	0.92	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.17	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.27	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.37	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.54	
		<i>For &gt;100 To 250, Add</i>	0.26	
		<i>For &gt;250 To 500, Add</i>	0.11	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
		<i>For &gt;20,000, Deduct</i>	-0.18	





<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0186 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling.....	1.66	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.95	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 13 00-0187 SF 1 Coat Primer, Sprayed, Paint Exterior Galvanized Ceiling.....	0.83	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0188 SF 1 Coat Paint, Sprayed, Paint Exterior Galvanized Ceiling.....	0.94	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0189 SF 2 Coats Paint, Sprayed, Paint Exterior Galvanized Ceiling.....	1.53	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.73	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
<b>09 91 13 00-0190 Paint Exterior Aluminum And Aluminum Alloy Ceilings (09 91 13 00-0179)</b>		
Note: Alkyd enamel paint.		
09 91 13 00-0191 SF 1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0192	SF 1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling .....	1.16	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.22	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.34	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.47	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.69	
	<i>For &gt;100 To 250, Add</i>	0.33	
	<i>For &gt;250 To 500, Add</i>	0.14	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17	
	<i>For &gt;20,000, Deduct</i>	-0.23	
09 91 13 00-0193	SF 2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	2.15	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.23	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.39	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.62	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.85	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.25	
	<i>For &gt;100 To 250, Add</i>	0.60	
	<i>For &gt;250 To 500, Add</i>	0.26	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.11	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.22	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.32	
	<i>For &gt;20,000, Deduct</i>	-0.43	
09 91 13 00-0194	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	0.93	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.15	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.23	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.32	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.49	
	<i>For &gt;100 To 250, Add</i>	0.24	
	<i>For &gt;250 To 500, Add</i>	0.10	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
	<i>For &gt;20,000, Deduct</i>	-0.19	
09 91 13 00-0195	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.02	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.17	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.27	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.37	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.56	
	<i>For &gt;100 To 250, Add</i>	0.27	
	<i>For &gt;250 To 500, Add</i>	0.12	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
	<i>For &gt;20,000, Deduct</i>	-0.20	
09 91 13 00-0196	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.86	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.17	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.29	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.46	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.64	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.98	
	<i>For &gt;100 To 250, Add</i>	0.48	
	<i>For &gt;250 To 500, Add</i>	0.21	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.19	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.28	
	<i>For &gt;20,000, Deduct</i>	-0.37	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0197 SF 1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling .....	0.83	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0198 SF 1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling .....	0.83	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0199 SF 2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling .....	1.53	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.73	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
<b>09 91 13 00-0200 Paint Exterior Corrugated Metal Ceilings (09 91 13 00-0179)</b>		
09 91 13 00-0201 SF 1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Ceiling .....	0.91	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.28	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0202 SF 1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling .....	1.04	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	

<b>09</b>	<b>Finishes</b>
<b>09 90</b>	<b>Painting and Coating</b>
<b>09 91</b>	<b>Painting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0203	SF		2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling .....	1.90	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.44	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.61	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.95	
			<i>For &gt;100 To 250, Add</i>	0.47	
			<i>For &gt;250 To 500, Add</i>	0.21	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.19	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.29	
			<i>For &gt;20,000, Deduct</i>	-0.38	
09 91 13 00-0204			Paint Exterior Floors <small>(09 91 13)</small>		
09 91 13 00-0205			Paint Exterior Concrete Floors <small>(09 91 13 00-0204)</small>		
09 91 13 00-0206	SF		1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks .....	0.61	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.38	
			<i>For &gt;100 To 250, Add</i>	0.18	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09	
			<i>For &gt;20,000, Deduct</i>	-0.12	
09 91 13 00-0207	SF		1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks .....	0.69	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.45	
			<i>For &gt;100 To 250, Add</i>	0.21	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10	
			<i>For &gt;20,000, Deduct</i>	-0.14	
09 91 13 00-0208	SF		2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks.....	1.28	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Epoxy Paint, Add</i>	0.13	
			<i>For Up To 100, Add</i>	0.83	
			<i>For &gt;100 To 250, Add</i>	0.39	
			<i>For &gt;250 To 500, Add</i>	0.17	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19	
			<i>For &gt;20,000, Deduct</i>	-0.26	
09 91 13 00-0209	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	0.51	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Epoxy Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.30	
			<i>For &gt;100 To 250, Add</i>	0.15	
			<i>For &gt;250 To 500, Add</i>	0.06	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.08	
			<i>For &gt;20,000, Deduct</i>	-0.10	
09 91 13 00-0210	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	0.59	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.38	
			<i>For &gt;100 To 250, Add</i>	0.18	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09	
			<i>For &gt;20,000, Deduct</i>	-0.12	
09 91 13 00-0211	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	0.97	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Epoxy Paint, Add</i>	0.11	
			<i>For Up To 100, Add</i>	0.60	
			<i>For &gt;100 To 250, Add</i>	0.28	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
			<i>For &gt;20,000, Deduct</i>	-0.19	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0212 SF 1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks .....	0.40	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.07	
For Up To 100, Add	0.20	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0213 SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks.....	0.49	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 13 00-0214 SF 2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks.....	0.87	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.12	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0215 SF 1 Coat Non Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	1.96	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.39	
09 91 13 00-0216 SF 1 Coat Anti-Slip Paint, Single Component Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	4.80	
For Up To 100, Add	1.01	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.29	
For >2,500 To 5,000, Deduct	-0.24	
For >5,000 To 10,000, Deduct	-0.48	
For >10,000 To 20,000, Deduct	-0.72	
For >20,000, Deduct	-0.96	
09 91 13 00-0217 SF 1 Coat Anti-Slip Paint, High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	5.99	
For Up To 100, Add	1.19	
For >100 To 250, Add	0.72	
For >250 To 500, Add	0.35	
For >2,500 To 5,000, Deduct	-0.30	
For >5,000 To 10,000, Deduct	-0.60	
For >10,000 To 20,000, Deduct	-0.90	
For >20,000, Deduct	-1.20	
09 91 13 00-0218 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Floors And Decks.....	0.11	
For Up To 100, Add	0.07	
For >100 To 250, Add	0.03	
For >250 To 500, Add	0.01	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.02	
<b>09 91 13 00-0219 Paint Exterior Wood Floors (09 91 13 00-0204)</b>		
09 91 13 00-0220 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Floors And Decks .....	0.77	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	
09 91 13 00-0221 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Floors And Decks .....	0.83	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	

<b>09</b>	<b>Finishes</b>
<b>09 90</b>	<b>Painting and Coating</b>
<b>09 91</b>	<b>Painting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0222	SF		2 Coats Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	1.57	
			For Oil Based Paint, Add	0.09	
			For Up To 100, Add	0.99	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.31	
09 91 13 00-0223	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Floors And Decks.....	0.71	
			For Oil Based Paint, Add	0.05	
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 13 00-0224	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks.....	0.77	
			For Oil Based Paint, Add	0.05	
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
09 91 13 00-0225	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks.....	1.24	
			For Oil Based Paint, Add	0.08	
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0226	SF		1 Coat Primer, Sprayed, Paint Exterior Wood Floors And Decks.....	0.52	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 13 00-0227	SF		1 Coat Paint, Sprayed, Paint Exterior Wood Floors And Decks.....	0.64	
			For Oil Based Paint, Add	0.04	
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0228	SF		2 Coats Paint, Sprayed, Paint Exterior Wood Floors And Decks.....	1.03	
			For Oil Based Paint, Add	0.07	
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.21	
09 91 13 00-0229	SF		1 Coat Non Slip Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	2.06	
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.41	
09 91 13 00-0230	SF		1 Coat Non Slip Epoxy Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	6.09	
			For Up To 100, Add	1.26	
			For >100 To 250, Add	0.75	
			For >250 To 500, Add	0.36	
			For >2,500 To 5,000, Deduct	-0.30	
			For >5,000 To 10,000, Deduct	-0.61	
			For >10,000 To 20,000, Deduct	-0.91	
			For >20,000, Deduct	-1.22	
09 91 13 00-0231	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Floors And Decks.....	0.14	
			For Up To 100, Add	0.09	
			For >100 To 250, Add	0.04	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 20,000, Deduct	-0.02	
			For >20,000, Deduct	-0.03	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 91 13 00-0232</b> <b>Paint Exterior Doors And Windows</b> <small>(09 91 13)</small>		
<b>09 91 13 00-0233</b> <b>Paint Exterior Door Frames</b> <small>(09 91 13 00-0232)</small>		
09 91 13 00-0234    LF    1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim .....	1.02	
For Painting Either Interior Or Exterior Only, Deduct	-0.27	
09 91 13 00-0235    LF    1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim .....	1.32	
For Painting Either Interior Or Exterior Only, Deduct	-0.34	
09 91 13 00-0236    LF    2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim .....	2.24	
For Painting Either Interior Or Exterior Only, Deduct	-0.58	
09 91 13 00-0237    LF    1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim .....	1.07	
For Painting Either Interior Or Exterior Only, Deduct	-0.29	
09 91 13 00-0238    LF    1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim .....	1.37	
For Painting Either Interior Or Exterior Only, Deduct	-0.36	
09 91 13 00-0239    LF    2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim .....	2.31	
For Painting Either Interior Or Exterior Only, Deduct	-0.61	
 <b>09 91 13 00-0240</b> <b>Paint Exterior Metal Doors</b> <small>(09 91 13 00-0232)</small>		
09 91 13 00-0241    EA    1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door .....	48.57	
Note: One face		
For Half Louvered Door, Add	4.19	
For Full Louvered Door, Add	6.99	
For Electrostatic Painting, Add	7.95	
For >5 To 10, Deduct	-2.43	
For >10 To 25, Deduct	-4.86	
For >25, Deduct	-7.29	
09 91 13 00-0242    EA    1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door .....	48.57	
Note: One face		
For Half Louvered Door, Add	4.19	
For Full Louvered Door, Add	6.99	
For Electrostatic Painting, Add	7.95	
For >5 To 10, Deduct	-2.43	
For >10 To 25, Deduct	-4.86	
For >25, Deduct	-7.29	
09 91 13 00-0243    EA    2 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door .....	88.18	
Note: One face		
For Half Louvered Door, Add	7.08	
For Full Louvered Door, Add	11.81	
For Electrostatic Painting, Add	14.96	
For >5 To 10, Deduct	-4.41	
For >10 To 25, Deduct	-8.82	
For >25, Deduct	-13.23	
09 91 13 00-0244    EA    1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door .....	87.17	
Note: Both faces		
For Half Louvered Door, Add	7.52	
For Full Louvered Door, Add	12.54	
For Electrostatic Painting, Add	14.27	
For >5 To 10, Deduct	-4.36	
For >10 To 25, Deduct	-8.72	
For >25, Deduct	-13.08	
09 91 13 00-0245    EA    1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door .....	87.17	
Note: Both faces		
For Half Louvered Door, Add	7.52	
For Full Louvered Door, Add	12.54	
For Electrostatic Painting, Add	14.27	
For >5 To 10, Deduct	-4.36	
For >10 To 25, Deduct	-8.72	
For >25, Deduct	-13.08	
09 91 13 00-0246    EA    2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door .....	158.88	
Note: Both faces		
For Half Louvered Door, Add	12.72	
For Full Louvered Door, Add	21.21	
For Electrostatic Painting, Add	27.00	
For >5 To 10, Deduct	-7.94	
For >10 To 25, Deduct	-15.89	
For >25, Deduct	-23.83	
09 91 13 00-0247    EA    1 Coat Primer, Sprayed, Paint Exterior Metal Door .....	45.81	
Note: One face		
For Half Louvered Door, Add	3.47	
For Full Louvered Door, Add	5.79	
For Electrostatic Painting, Add	7.98	
For >5 To 10, Deduct	-2.29	
For >10 To 25, Deduct	-4.58	
For >25, Deduct	-6.87	
09 91 13 00-0248    EA    1 Coat Paint, Sprayed, Paint Exterior Metal Door .....	45.81	
Note: One face		
For Half Louvered Door, Add	3.47	
For Full Louvered Door, Add	5.79	
For Electrostatic Painting, Add	7.98	
For >5 To 10, Deduct	-2.29	
For >10 To 25, Deduct	-4.58	
For >25, Deduct	-6.87	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0249 EA 2 Coats Paint, Sprayed, Paint Exterior Metal Door.....	84.13	
Note: One face		
For Half Louvered Door, Add	5.86	
For Full Louvered Door, Add	9.77	
For Electrostatic Painting, Add	15.17	
For >5 To 10, Deduct	-4.21	
For >10 To 25, Deduct	-8.41	
For >25, Deduct	-12.62	
09 91 13 00-0250 EA 1 Coat Primer, Sprayed, Paint Exterior Metal Door.....	82.22	
Note: Both faces		
For Half Louvered Door, Add	6.22	
For Full Louvered Door, Add	10.37	
For Electrostatic Painting, Add	14.33	
For >5 To 10, Deduct	-4.11	
For >10 To 25, Deduct	-8.22	
For >25, Deduct	-12.33	
09 91 13 00-0251 EA 1 Coat Paint, Sprayed, Paint Exterior Metal Door.....	82.22	
Note: Both faces		
For Half Louvered Door, Add	6.22	
For Full Louvered Door, Add	10.37	
For Electrostatic Painting, Add	14.33	
For >5 To 10, Deduct	-4.11	
For >10 To 25, Deduct	-8.22	
For >25, Deduct	-12.33	
09 91 13 00-0252 EA 2 Coats Paint, Sprayed, Paint Exterior Metal Door.....	151.68	
Note: Both faces		
For Half Louvered Door, Add	10.53	
For Full Louvered Door, Add	17.55	
For Electrostatic Painting, Add	27.39	
For >5 To 10, Deduct	-7.58	
For >10 To 25, Deduct	-15.17	
For >25, Deduct	-22.75	
09 91 13 00-0253 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....	2.26	
For Electrostatic Painting, Add	0.28	
09 91 13 00-0254 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....	2.39	
For Electrostatic Painting, Add	0.31	
09 91 13 00-0255 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door.....	4.89	
For Electrostatic Painting, Add	0.62	
09 91 13 00-0256 SF 1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....	2.52	
For Electrostatic Painting, Add	0.30	
09 91 13 00-0257 SF 1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....	2.65	
For Electrostatic Painting, Add	0.34	
09 91 13 00-0258 SF 2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....	5.15	
For Electrostatic Painting, Add	0.65	
<b>09 91 13 00-0259 Paint Exterior Wood Doors (09 91 13 00-0232)</b>		
09 91 13 00-0260 EA 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door.....	40.69	
Note: One face		
For Half Louvered Door, Add	4.19	
For Full Louvered Door, Add	6.99	
For >5 To 10, Deduct	-2.03	
For >10 To 25, Deduct	-4.07	
For >25, Deduct	-6.10	
09 91 13 00-0261 EA 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door.....	40.69	
Note: One face		
For Half Louvered Door, Add	4.19	
For Full Louvered Door, Add	6.99	
For >5 To 10, Deduct	-2.03	
For >10 To 25, Deduct	-4.07	
For >25, Deduct	-6.10	
09 91 13 00-0262 EA 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door.....	72.53	
Note: One face		
For Half Louvered Door, Add	7.08	
For Full Louvered Door, Add	11.81	
For >5 To 10, Deduct	-3.63	
For >10 To 25, Deduct	-7.25	
For >25, Deduct	-10.88	
09 91 13 00-0263 EA 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door.....	73.02	
Note: Both faces		
For Half Louvered Door, Add	7.52	
For Full Louvered Door, Add	12.54	
For >5 To 10, Deduct	-3.65	
For >10 To 25, Deduct	-7.30	
For >25, Deduct	-10.95	
09 91 13 00-0264 EA 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door.....	73.02	
Note: Both faces		
For Half Louvered Door, Add	7.52	
For Full Louvered Door, Add	12.54	
For >5 To 10, Deduct	-3.65	
For >10 To 25, Deduct	-7.30	
For >25, Deduct	-10.95	





<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0265 EA 2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door.....	130.58	
Note: Both faces		
<i>For Half Louvered Door, Add</i>	12.72	
<i>For Full Louvered Door, Add</i>	21.21	
<i>For &gt;5 To 10, Deduct</i>	-6.53	
<i>For &gt;10 To 25, Deduct</i>	-13.06	
<i>For &gt;25, Deduct</i>	-19.59	
09 91 13 00-0266 EA 1 Coat Primer, Sprayed, Paint Exterior Wood Door.....	37.15	
Note: One face		
<i>For Half Louvered Door, Add</i>	3.47	
<i>For Full Louvered Door, Add</i>	5.79	
<i>For &gt;5 To 10, Deduct</i>	-1.86	
<i>For &gt;10 To 25, Deduct</i>	-3.72	
<i>For &gt;25, Deduct</i>	-5.57	
09 91 13 00-0267 EA 1 Coat Paint, Sprayed, Paint Exterior Wood Door .....	37.15	
Note: One face		
<i>For Half Louvered Door, Add</i>	3.47	
<i>For Full Louvered Door, Add</i>	5.79	
<i>For &gt;5 To 10, Deduct</i>	-1.86	
<i>For &gt;10 To 25, Deduct</i>	-3.72	
<i>For &gt;25, Deduct</i>	-5.57	
09 91 13 00-0268 EA 2 Coats Paint, Sprayed, Paint Exterior Wood Door .....	66.94	
Note: One face		
<i>For Half Louvered Door, Add</i>	5.87	
<i>For Full Louvered Door, Add</i>	9.78	
<i>For &gt;5 To 10, Deduct</i>	-3.35	
<i>For &gt;10 To 25, Deduct</i>	-6.69	
<i>For &gt;25, Deduct</i>	-10.04	
09 91 13 00-0269 EA 1 Coat Primer, Sprayed, Paint Exterior Wood Door.....	66.66	
Note: Both faces		
<i>For Half Louvered Door, Add</i>	6.22	
<i>For Full Louvered Door, Add</i>	10.37	
<i>For &gt;5 To 10, Deduct</i>	-3.33	
<i>For &gt;10 To 25, Deduct</i>	-6.67	
<i>For &gt;25, Deduct</i>	-10.00	
09 91 13 00-0270 EA 1 Coat Paint, Sprayed, Paint Exterior Wood Door .....	66.66	
Note: Both faces		
<i>For Half Louvered Door, Add</i>	6.22	
<i>For Full Louvered Door, Add</i>	10.37	
<i>For &gt;5 To 10, Deduct</i>	-3.33	
<i>For &gt;10 To 25, Deduct</i>	-6.67	
<i>For &gt;25, Deduct</i>	-10.00	
09 91 13 00-0271 EA 2 Coats Paint, Sprayed, Paint Exterior Wood Door .....	120.55	
Note: Both faces		
<i>For Half Louvered Door, Add</i>	10.53	
<i>For Full Louvered Door, Add</i>	17.55	
<i>For &gt;5 To 10, Deduct</i>	-6.03	
<i>For &gt;10 To 25, Deduct</i>	-12.06	
<i>For &gt;25, Deduct</i>	-18.08	
09 91 13 00-0272 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....	2.15	
09 91 13 00-0273 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door.....	2.21	
09 91 13 00-0274 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door.....	4.56	
09 91 13 00-0275 SF 1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....	2.39	
09 91 13 00-0276 SF 1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....	2.47	
09 91 13 00-0277 SF 2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door.....	4.80	
<b>09 91 13 00-0278 Paint Exterior Metal Windows</b> <small>(09 91 13 00-0232)</small>		
Note: Two finish coats paint over rust inhibitive primer.		
09 91 13 00-0279 EA Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....	76.36	
<i>For Electrostatic Painting, Add</i>	9.69	
<i>For &gt;5 To 10, Deduct</i>	-3.82	
<i>For &gt;10 To 25, Deduct</i>	-7.64	
<i>For &gt;25, Deduct</i>	-11.45	
09 91 13 00-0280 EA >8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....	93.46	
<i>For Electrostatic Painting, Add</i>	12.52	
<i>For &gt;5 To 10, Deduct</i>	-4.67	
<i>For &gt;10 To 25, Deduct</i>	-9.35	
<i>For &gt;25, Deduct</i>	-14.02	
09 91 13 00-0281 EA >14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....	126.45	
<i>For Electrostatic Painting, Add</i>	17.15	
<i>For &gt;5 To 10, Deduct</i>	-6.32	
<i>For &gt;10 To 25, Deduct</i>	-12.65	
<i>For &gt;25, Deduct</i>	-18.97	
09 91 13 00-0282 EA >20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....	142.44	
<i>For Electrostatic Painting, Add</i>	19.34	
<i>For &gt;5 To 10, Deduct</i>	-7.12	
<i>For &gt;10 To 25, Deduct</i>	-14.24	
<i>For &gt;25, Deduct</i>	-21.37	

<b>09</b>	<b>Finishes</b>
<b>09 90</b>	<b>Painting and Coating</b>
<b>09 91</b>	<b>Painting</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 13 00-0283	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....	157.89	
		<i>For Electrostatic Painting, Add</i>	21.39	
		<i>For &gt;5 To 10, Deduct</i>	-7.89	
		<i>For &gt;10 To 25, Deduct</i>	-15.79	
		<i>For &gt;25, Deduct</i>	-23.68	
09 91 13 00-0284	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....	5.01	
		<i>For Electrostatic Painting, Add</i>	0.68	
<b>09 91 13 00-0285</b>		<b>Paint Exterior Wood Windows</b> (09 91 13 00-0232)		
		Note: Two finish coats paint over primer.		
09 91 13 00-0286	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....	71.14	
		<i>For &gt;5 To 10, Deduct</i>	-3.56	
		<i>For &gt;10 To 25, Deduct</i>	-7.11	
		<i>For &gt;25, Deduct</i>	-10.67	
09 91 13 00-0287	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....	85.38	
		<i>For &gt;5 To 10, Deduct</i>	-4.27	
		<i>For &gt;10 To 25, Deduct</i>	-8.54	
		<i>For &gt;25, Deduct</i>	-12.81	
09 91 13 00-0288	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....	114.98	
		<i>For &gt;5 To 10, Deduct</i>	-5.75	
		<i>For &gt;10 To 25, Deduct</i>	-11.50	
		<i>For &gt;25, Deduct</i>	-17.25	
09 91 13 00-0289	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....	129.47	
		<i>For &gt;5 To 10, Deduct</i>	-6.47	
		<i>For &gt;10 To 25, Deduct</i>	-12.95	
		<i>For &gt;25, Deduct</i>	-19.42	
09 91 13 00-0290	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....	143.62	
		<i>For &gt;5 To 10, Deduct</i>	-7.18	
		<i>For &gt;10 To 25, Deduct</i>	-14.36	
		<i>For &gt;25, Deduct</i>	-21.54	
09 91 13 00-0291	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....	4.81	
<b>09 91 13 00-0292</b>		<b>Paint Exterior Security Screens</b> (09 91 13 00-0232)		
09 91 13 00-0293	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Security Screen .....	1.32	
		<i>For Electrostatic Painting, Add</i>	0.18	
09 91 13 00-0294	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Security Screen .....	1.33	
		<i>For Electrostatic Painting, Add</i>	0.17	
09 91 13 00-0295	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Security Screen .....	2.20	
		<i>For Electrostatic Painting, Add</i>	0.28	
<b>09 91 13 00-0296</b>		<b>Paint Exterior Window Guards</b> (09 91 13 00-0232)		
09 91 13 00-0297	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Guards .....	1.32	
09 91 13 00-0298	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Guards .....	1.33	
09 91 13 00-0299	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Guards .....	2.20	
<b>09 91 13 00-0300</b>		<b>Paint Exterior Window Trim</b> (09 91 13 00-0232)		
09 91 13 00-0301	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim .....	1.12	
09 91 13 00-0302	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim .....	1.12	
09 91 13 00-0303	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim .....	1.80	
09 91 13 00-0304	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim .....	1.40	
09 91 13 00-0305	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim .....	1.40	
09 91 13 00-0306	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim .....	2.37	
<b>09 91 13 00-0307</b>		<b>Paint Exterior Roofing And Trim</b> (09 91 13)		
<b>09 91 13 00-0308</b>		<b>Paint Stain Or Seal Wood Roofing</b> (09 91 13 00-0307)		
09 91 13 00-0309	SF	1 Coat Paint, Brush/Roller Work, Stain And Seal Shingles/Shake .....	1.58	
		<i>For Up To 100, Add</i>	0.84	
		<i>For &gt;100 To 250, Add</i>	0.41	
		<i>For &gt;250 To 500, Add</i>	0.18	
09 91 13 00-0310	SF	2 Coats Stain, Brush/Roller Work, Stain And Seal Shingles/Shake .....	2.89	
		<i>For Up To 100, Add</i>	1.52	
		<i>For &gt;100 To 250, Add</i>	0.74	
		<i>For &gt;250 To 500, Add</i>	0.33	
<b>09 91 13 00-0311</b>		<b>Paint Metal Roofing</b> (09 91 13 00-0307)		
09 91 13 00-0312	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Roofing .....	0.79	
		<i>For Up To 100, Add</i>	0.36	
		<i>For &gt;100 To 250, Add</i>	0.18	
		<i>For &gt;250 To 500, Add</i>	0.08	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0313 SF 2 Coats Paint, Brush/Roller Work, Paint Metal Roofing.....	1.37	
For Up To 100, Add	0.64	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
<b>09 91 13 00-0314 Paint Fascia Board (09 91 13 00-0307)</b>		
09 91 13 00-0315 LF 1 Coat Primer, Brush/Roller Work, Paint Fascia Board.....	0.64	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
09 91 13 00-0316 LF 1 Coat Paint, Brush/Roller Work, Paint Fascia Board.....	0.64	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
09 91 13 00-0317 LF 2 Coats Paint, Brush/Roller Work, Paint Fascia Board.....	1.12	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
<b>09 91 13 00-0318 Paint Soffit (09 91 13 00-0307)</b>		
09 91 13 00-0319 SF 1 Coat Primer, Brush/Roller Work, Paint Soffit.....	0.75	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 91 13 00-0320 SF 1 Coat Paint, Brush/Roller Work, Paint Soffit.....	0.75	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 91 13 00-0321 SF 2 Coats Paint, Brush/Roller Work, Paint Soffit.....	1.29	
For Up To 100, Add	0.63	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
<b>09 91 13 00-0322 Paint Metal Surfaces (09 91 13)</b>		
Note: Tasks can be used for exterior or interior applications.		
<b>09 91 13 00-0323 Paint Structural Steel (09 91 13 00-0322)</b>		
<b>09 91 13 00-0324 Paint Structural Steel, Brush Work (09 91 13 00-0323)</b>		
09 91 13 00-0325 SF 1 Field Coat Primer, Brush/Roller Work, Paint Exterior Structural Steel.....	0.91	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For Epoxy Paint, Add	0.11	
09 91 13 00-0326 SF 1 Field Coat Paint, Brush/Roller Work, Paint Exterior Structural Steel.....	0.80	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For Epoxy Paint, Add	0.10	
<b>09 91 13 00-0327 Paint Structural Steel, Spray Work (09 91 13 00-0323)</b>		
09 91 13 00-0328 SF 1 Field Coat Primer, Sprayed, Paint Exterior Structural Steel.....	0.68	
For Electrostatic Painting, Add	0.10	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For Epoxy Paint, Add	0.09	
09 91 13 00-0329 SF 1 Field Coat Paint, Sprayed, Paint Exterior Structural Steel.....	0.57	
For Electrostatic Painting, Add	0.09	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For Epoxy Paint, Add	0.09	
<b>09 91 13 00-0330 Paint Metal Decking, Beams And Bar Joist (09 91 13 00-0323)</b>		
09 91 13 00-0331 SF 1 Coat Primer, Sprayed, Paint Exposed Metal Decking.....	0.78	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For Epoxy Paint, Add	0.10	
09 91 13 00-0332 SF 1 Coat Paint, Sprayed, Paint Exposed Metal Decking.....	0.78	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For Epoxy Paint, Add	0.10	
09 91 13 00-0333 SF 2 Coats Paint, Sprayed, Paint Exposed Metal Decking.....	1.31	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For Epoxy Paint, Add	0.19	

<b>09</b>	<b>Finishes</b>
<b>09 90</b>	<b>Painting and Coating</b>
<b>09 91</b>	<b>Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0334 SF 1 Coat Primer, Brush/Roller Work, Paint Metal Bearms And Bar Joists.....	1.12	
For Up To 100, Add	0.61	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For Epoxy Paint, Add	0.17	
09 91 13 00-0335 SF 1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists .....	1.09	
For Up To 100, Add	0.61	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For Epoxy Paint, Add	0.16	
09 91 13 00-0336 SF 2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists .....	2.06	
For Up To 100, Add	1.14	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For Epoxy Paint, Add	0.31	
09 91 13 00-0337 SF 1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists .....	0.95	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For Epoxy Paint, Add	0.13	
09 91 13 00-0338 SF 1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists.....	0.95	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For Epoxy Paint, Add	0.13	
09 91 13 00-0339 SF 2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists .....	1.63	
For Up To 100, Add	0.87	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For Epoxy Paint, Add	0.26	
<b>09 91 13 00-0340 Steel Pipes, Tubes, Rails, Conduit</b> <small>(09 91 13 00-0322)</small>		
Note: For non surface mounted unless a different color is needed.		
09 91 13 00-0341 LF 1 Coat Primer, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe.....	1.51	
For Electrostatic Painting, Add	0.20	
For Epoxy Paint, Add	0.17	
09 91 13 00-0342 LF 1 Coat Primer, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe.....	1.69	
For Electrostatic Painting, Add	0.22	
For Epoxy Paint, Add	0.19	
09 91 13 00-0343 LF 1 Coat Primer, 4" Diameter, Paint Steel Pipes.....	1.90	
For Electrostatic Painting, Add	0.25	
For Epoxy Paint, Add	0.22	
09 91 13 00-0344 LF 1 Coat Primer, 6" To 8" Diameter, Paint Steel Pipes .....	2.37	
For Electrostatic Painting, Add	0.31	
For Epoxy Paint, Add	0.26	
09 91 13 00-0345 LF 1 Coat Primer, 10" To 12" Diameter, Paint Steel Pipes .....	3.01	
For Electrostatic Painting, Add	0.39	
For Epoxy Paint, Add	0.33	
09 91 13 00-0346 LF 1 Coat Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe.....	1.51	
For Electrostatic Painting, Add	0.20	
For Epoxy Paint, Add	0.17	
09 91 13 00-0347 LF 1 Coat Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe .....	1.69	
For Electrostatic Painting, Add	0.22	
For Epoxy Paint, Add	0.19	
09 91 13 00-0348 LF 1 Coat Paint, 4" Diameter, Paint Steel Pipes .....	1.90	
For Electrostatic Painting, Add	0.25	
For Epoxy Paint, Add	0.22	
09 91 13 00-0349 LF 1 Coat Paint, 6" To 8" Diameter, Paint Steel Pipes.....	2.37	
For Electrostatic Painting, Add	0.31	
For Epoxy Paint, Add	0.26	
09 91 13 00-0350 LF 1 Coat Paint, 10" To 12" Diameter, Paint Steel Pipes.....	3.01	
For Electrostatic Painting, Add	0.39	
For Epoxy Paint, Add	0.33	
09 91 13 00-0351 LF 2 Coats Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe .....	3.08	
For Electrostatic Painting, Add	0.43	
For Epoxy Paint, Add	0.39	
09 91 13 00-0352 LF 2 Coats Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe .....	3.37	
For Electrostatic Painting, Add	0.44	
For Epoxy Paint, Add	0.38	
09 91 13 00-0353 LF 2 Coats Paint, 4" Diameter, Paint Steel Pipes .....	3.65	
For Electrostatic Painting, Add	0.48	
For Epoxy Paint, Add	0.42	
09 91 13 00-0354 LF 2 Coats Paint, 6" To 8" Diameter, Paint Steel Pipes .....	4.61	
For Electrostatic Painting, Add	0.61	
For Epoxy Paint, Add	0.52	
09 91 13 00-0355 LF 2 Coats Paint, 10" To 12" Diameter, Paint Steel Pipes.....	5.68	
For Electrostatic Painting, Add	0.75	
For Epoxy Paint, Add	0.65	
09 91 13 00-0356 EA 1 Coat Paint, Paint Exposed Single Or Double Gang Outlet Box .....	7.25	
For Electrostatic Painting, Add	0.77	
For Epoxy Paint, Add	0.46	

09 91 13 00-0357 Paint Metal Louvers (09 91 13 00-0322)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91	13 00-0358	SF	1 Coat Primer, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area..... <i>For Electrostatic Painting, Add</i>	1.24 0.15	
	09 91	13 00-0359	SF	1 Coat Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area ..... <i>For Electrostatic Painting, Add</i>	1.26 0.16	
	09 91	13 00-0360	SF	2 Coats Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area ..... <i>For Electrostatic Painting, Add</i>	2.60 0.33	
<b>09 91</b>	<b>13 00-0361</b>	<b>Paint Ladders</b> <small>(09 91 13 00-0322)</small>				
	09 91	13 00-0362	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Ladders..... <i>For Epoxy Paint, Add</i>	3.35 0.21	
	09 91	13 00-0363	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders ..... <i>For Epoxy Paint, Add</i>	3.74 0.23	
	09 91	13 00-0364	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders ..... <i>For Epoxy Paint, Add</i>	7.35 0.43	
<b>09 91</b>	<b>13 00-0365</b>	<b>Paint Handrails</b> <small>(09 91 13 00-0322)</small>				
	09 91	13 00-0366	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket ..... <i>For Epoxy Paint, Add</i>	1.35 0.11	
	09 91	13 00-0367	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket..... <i>For Epoxy Paint, Add</i>	1.49 0.12	
	09 91	13 00-0368	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket..... <i>For Epoxy Paint, Add</i>	2.44 0.17	
	09 91	13 00-0369	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets ..... <i>For Epoxy Paint, Add</i>	2.52 0.34	
	09 91	13 00-0370	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets..... <i>For Epoxy Paint, Add</i>	2.75 0.35	
	09 91	13 00-0371	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets..... <i>For Epoxy Paint, Add</i>	4.69 0.55	
	09 91	13 00-0372	LF	1 Coat Alkyd Primer, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets..... <i>For Epoxy Paint, Add</i>	2.70 0.35	
	09 91	13 00-0373	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets..... <i>For Epoxy Paint, Add</i>	2.96 0.36	
	09 91	13 00-0374	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets ..... <i>For Epoxy Paint, Add</i>	4.96 0.56	
	09 91	13 00-0375	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Balustrades..... <i>For Epoxy Paint, Add</i>	1.51 0.18	
	09 91	13 00-0376	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades ..... <i>For Epoxy Paint, Add</i>	1.65 0.19	
	09 91	13 00-0377	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades ..... <i>For Epoxy Paint, Add</i>	3.02 0.36	
<b>09 91</b>	<b>13 00-0378</b>	<b>Paint Grating</b> <small>(09 91 13 00-0322)</small>				
	09 91	13 00-0379	SF	1 Coat Primer, Brush/Roller Work, Paint Gratings And Frames..... <i>For Epoxy Paint, Add</i>	2.44 0.17	
	09 91	13 00-0380	SF	1 Coat Paint, Brush/Roller Work, Paint Gratings And Frames ..... <i>For Epoxy Paint, Add</i>	2.49 0.18	
	09 91	13 00-0381	SF	2 Coats Paint, Brush/Roller Work, Paint Gratings And Frames ..... <i>For Epoxy Paint, Add</i>	3.76 0.31	
<b>09 91</b>	<b>13 00-0382</b>	<b>Equipment And Tanks</b> <small>(09 91 13 00-0322)</small>				
<b>09 91</b>	<b>13 00-0383</b>	<b>Paint Valves</b> <small>(09 91 13 00-0382)</small>				
				Note: Includes 1 coat primer and 1 coat paint finish		
	09 91	13 00-0384	EA	Prime And Paint 4" And Smaller Valve.....	25.97	
	09 91	13 00-0385	EA	Prime And Paint 6" To 10" Valve .....	31.92	
	09 91	13 00-0386	EA	Prime And Paint 12" To 18" Valve .....	41.93	
	09 91	13 00-0387	EA	Prime And Paint 20" To 24" Valve .....	55.96	
	09 91	13 00-0388	EA	Prime And Paint >24" To 36" Valve .....	75.96	
	09 91	13 00-0389	EA	Prime And Paint >36" To 48" Valve .....	103.85	
<b>09 91</b>	<b>13 00-0390</b>	<b>Paint Pumps And Motors</b> <small>(09 91 13 00-0382)</small>				
				Note: Includes 1 coat primer and 1 coat paint finish		
	09 91	13 00-0391	EA	Prime And Paint Pump Under 1 HP.....	79.83	
	09 91	13 00-0392	EA	Prime And Paint Pump, 1 HP To 5 HP .....	105.63	
	09 91	13 00-0393	EA	Prime And Paint Pump, >5 HP To 10 HP .....	127.40	
	09 91	13 00-0394	EA	Prime And Paint Pump, >10 HP To 20 HP .....	143.22	
	09 91	13 00-0395	EA	Prime And Paint Pump, >20 HP To 30 HP .....	167.09	
	09 91	13 00-0396	EA	Prime And Paint Pump, >30 HP To 50 HP .....	190.95	
	09 91	13 00-0397	EA	Prime And Paint Pump, >50 HP To 75 HP .....	210.79	
	09 91	13 00-0398	EA	Prime And Paint Pump, >75 HP .....	238.70	
<b>09 91</b>	<b>13 00-0399</b>	<b>Paint Storage Tanks</b> <small>(09 91 13 00-0382)</small>				
	09 91	13 00-0400	SF	1 Coat Primer, Roller, Paint Storage Tank, Exterior Surface.....	1.02	
	09 91	13 00-0401	SF	1 Coat Paint, Roller, Paint Storage Tank, Exterior Surface.....	1.35	
	09 91	13 00-0402	SF	2 Coats Paint, Roller, Paint Storage Tank, Exterior Surface.....	2.57	
	09 91	13 00-0403	SF	1 Coat Primer, Roller, Paint Storage Tank, Interior Surface.....	1.36	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0404 SF 1 Coat Paint, Roller, Paint Storage Tank, Interior Surface.....	1.73	
09 91 13 00-0405 SF 2 Coats Paint, Roller, Paint Storage Tank, Interior Surface.....	3.32	
09 91 13 00-0406 SF 1 Coat Primer, Sprayed, Paint Storage Tank, Exterior Surface.....	1.10	
09 91 13 00-0407 SF 1 Coat Paint, Sprayed, Paint Storage Tank, Exterior Surface.....	1.36	
09 91 13 00-0408 SF 2 Coats Paint, Sprayed, Paint Storage Tank, Exterior Surface.....	2.65	
09 91 13 00-0409 SF 1 Coat Primer, Sprayed, Paint Storage Tank, Interior Surface.....	1.26	
09 91 13 00-0410 SF 1 Coat Paint, Sprayed, Paint Storage Tank, Interior Surface.....	1.66	
09 91 13 00-0411 SF 2 Coats Paint, Sprayed, Paint Storage Tank, Interior Surface.....	3.23	
<b>09 91 13 00-0412 Other Site Work Painting (09 91 13)</b>		
<b>09 91 13 00-0413 Paint Fencing (09 91 13 00-0412)</b>		
Note: Per side of fence. Based on gross fence area (length of fence x height of fence).		
09 91 13 00-0414 SF 1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence.....	0.75	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
09 91 13 00-0415 SF 2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence.....	1.42	
For Epoxy Paint, Add	0.18	
For Up To 100, Add	0.86	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
09 91 13 00-0416 SF 1 Coat Paint, Sprayed, Paint Existing Chain Link Fence.....	0.70	
For Epoxy Paint, Add	0.10	
For Electrostatic Painting, Add	0.10	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
09 91 13 00-0417 SF 2 Coats Paint, Sprayed, Paint Existing Chain Link Fence.....	1.31	
For Epoxy Paint, Add	0.20	
For Electrostatic Painting, Add	0.20	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
09 91 13 00-0418 SF 1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence.....	0.70	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
09 91 13 00-0419 SF 1 Coat Paint, Brush/Roller, Paint Wrought Iron Fence.....	0.65	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
09 91 13 00-0420 SF Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence.....	0.47	
For Epoxy Paint, Add	0.07	
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
09 91 13 00-0421 SF 1 Coat Primer, Brush/Roller, Paint Picket Fence.....	0.85	
For Epoxy Paint, Add	0.07	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
09 91 13 00-0422 SF 1 Coat Paint, Brush/Roller, Paint Picket Fence.....	0.85	
For Epoxy Paint, Add	0.07	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
09 91 13 00-0423 SF Each Additional Coat, Brush/Roller, Paint Picket Fence.....	0.60	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
09 91 13 00-0424 SF 1 Coat Paint, Brush/Roller, Paint Wood Fences.....	0.61	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 91 13 00-0425 SF 2 Coats Paint, Brush/Roller, Paint Wood Fences.....	1.10	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
09 91 13 00-0426 SF 1 Coat Paint, Sprayed, Paint Wood Fences.....	0.49	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
09 91 13 00-0427 SF 2 Coats Paint, Sprayed, Paint Wood Fences.....	0.92	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
<b>09 91 13 00-0428 Paint Shutters Or Blinds, Solid Panel (09 91 13 00-0412)</b>		
09 91 13 00-0429 SF 1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Solid Panel.....	2.61	



<b>Finishes</b>	<b>09</b>	
Painting and Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0430 SF 1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel .....	2.61	
09 91 13 00-0431 SF 2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel .....	4.64	
09 91 13 00-0432 SF 1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Solid Panel .....	1.64	
09 91 13 00-0433 SF 1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel .....	1.65	
09 91 13 00-0434 SF 2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel .....	3.04	
<b>09 91 13 00-0435 Paint Shutters Or Blinds, Louvered Panel</b> <small>(09 91 13 00-0412)</small>		
09 91 13 00-0436 SF 1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Louvered Panel .....	3.23	
09 91 13 00-0437 SF 1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel .....	3.23	
09 91 13 00-0438 SF 2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel .....	5.74	
09 91 13 00-0439 SF 1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Louvered Panel .....	2.00	
09 91 13 00-0440 SF 1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel .....	2.01	
09 91 13 00-0441 SF 2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel .....	3.70	
<b>09 91 13 00-0442 Paint Flagpoles</b> <small>(09 91 13 00-0412)</small>		
09 91 13 00-0443 EA 1 Coat Paint, 20' High, Paint Steel Flagpole .....	207.86	
09 91 13 00-0444 EA 1 Coat Paint, 30' High, Paint Steel Flagpole .....	280.18	
09 91 13 00-0445 EA 1 Coat Paint, 40' High, Paint Steel Flagpole .....	352.54	
09 91 13 00-0446 EA 1 Coat Paint, 50' High, Paint Steel Flagpole .....	424.92	
09 91 13 00-0447 EA 1 Coat Paint, 70' High, Paint Steel Flagpole .....	565.57	
09 91 13 00-0448 EA 1 Coat Paint, 80' High, Paint Steel Flagpole .....	637.42	
09 91 13 00-0449 EA 1 Coat Paint, 90' High, Paint Steel Flagpole .....	709.28	
<b>09 91 13 00-0450 Paint Lattice Or Trellis</b> <small>(09 91 13 00-0412)</small>		
09 91 13 00-0451 SF 1 Coat Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis .....	1.28	
<i>For Up To 100, Add</i>	<i>0.88</i>	
<i>For &gt;100 To 250, Add</i>	<i>0.42</i>	
<i>For &gt;250 To 500, Add</i>	<i>0.18</i>	
09 91 13 00-0452 SF 2 Coats Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis .....	2.37	
<i>For Up To 100, Add</i>	<i>1.62</i>	
<i>For &gt;100 To 250, Add</i>	<i>0.76</i>	
<i>For &gt;250 To 500, Add</i>	<i>0.33</i>	
<b>09 91 13 00-0453 Paint Exterior Stairs</b> <small>(09 91 13)</small>		
<b>09 91 13 00-0454 Paint Exterior Concrete Stairs</b> <small>(09 91 13 00-0453)</small>		
09 91 13 00-0455 RSR 1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) .....	14.37	
09 91 13 00-0456 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) .....	14.37	
09 91 13 00-0457 RSR 1 Coat Non Slip Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) .....	20.05	
09 91 13 00-0458 RSR 1 Coat Non Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) .....	36.20	
09 91 13 00-0459 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) .....	28.75	
<b>09 91 13 00-0460 Paint Exterior Metal Stairs</b> <small>(09 91 13 00-0453)</small>		
09 91 13 00-0461 RSR 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide) .....	7.70	
<i>For Oil Based Paint, Add</i>	<i>0.42</i>	
09 91 13 00-0462 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide) .....	7.70	
<i>For Oil Based Paint, Add</i>	<i>0.42</i>	
09 91 13 00-0463 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide) .....	15.40	
<i>For Oil Based Paint, Add</i>	<i>0.84</i>	
<b>09 91 13 00-0464 Paint Exterior Wood Stairs</b> <small>(09 91 13 00-0453)</small>		
09 91 13 00-0465 RSR 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide) .....	7.42	
09 91 13 00-0466 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide) .....	7.41	
09 91 13 00-0467 RSR 1 Coat Non Slip Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide) .....	13.09	
09 91 13 00-0468 RSR 1 Coat Non Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide) .....	29.24	
09 91 13 00-0469 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide) .....	14.83	
<b>09 91 13 00-0470 Paint Exterior Stair Nosing</b> <small>(09 91 13 00-0453)</small>		
09 91 13 00-0471 LF 1 Coat Paint, Up To 2", Non Slip, Brush Work, Paint Exterior Yellow Stair Safety Strip .....	1.40	
<b>09 91 13 00-0472 Paint Exterior Trim</b> <small>(09 91 13)</small>		
<b>09 91 13 00-0473 Paint Exterior Metal Trim And Gutters</b> <small>(09 91 13 00-0472)</small>		
09 91 13 00-0474 SF 1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim .....	1.02	
09 91 13 00-0475 SF 1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim .....	1.11	
09 91 13 00-0476 SF 2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim .....	2.00	
09 91 13 00-0477 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Exposed Metal Trim .....	0.93	
09 91 13 00-0478 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim .....	1.01	
09 91 13 00-0479 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim .....	1.80	
09 91 13 00-0480 LF 1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout .....	1.59	
09 91 13 00-0481 LF 2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout .....	1.98	

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting


 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

09 91 13 00-0482		Paint Exterior Wood Trim <small>(09 91 13 00-0472)</small>	
09 91 13 00-0483	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Trim .....	1.39
		<i>For Oil Based Paint, Add</i>	0.08
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.17
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.29
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.46
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.63
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.90
		<i>For &gt;100 To 250, Add</i>	0.43
		<i>For &gt;250 To 500, Add</i>	0.18
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.14
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.21
		<i>For &gt;20,000, Deduct</i>	-0.28
09 91 13 00-0484	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Trim.....	1.51
		<i>For Oil Based Paint, Add</i>	0.09
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.19
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.31
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.50
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.68
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.97
		<i>For &gt;100 To 250, Add</i>	0.46
		<i>For &gt;250 To 500, Add</i>	0.20
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23
		<i>For &gt;20,000, Deduct</i>	-0.30
09 91 13 00-0485	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Trim.....	2.74
		<i>For Oil Based Paint, Add</i>	0.16
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.33
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.55
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.88
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	1.21
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	1.73
		<i>For &gt;100 To 250, Add</i>	0.82
		<i>For &gt;250 To 500, Add</i>	0.36
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.14
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.27
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.41
		<i>For &gt;20,000, Deduct</i>	-0.55
09 91 13 00-0486	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Trim.....	1.09
		<i>For Oil Based Paint, Add</i>	0.07
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.21
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.34
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.47
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.67
		<i>For &gt;100 To 250, Add</i>	0.32
		<i>For &gt;250 To 500, Add</i>	0.14
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16
		<i>For &gt;20,000, Deduct</i>	-0.22
09 91 13 00-0487	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Trim.....	1.23
		<i>For Oil Based Paint, Add</i>	0.08
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.14
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.24
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.38
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.53
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.76
		<i>For &gt;100 To 250, Add</i>	0.36
		<i>For &gt;250 To 500, Add</i>	0.16
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.18
		<i>For &gt;20,000, Deduct</i>	-0.25





<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0488 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Trim .....	2.28	
For Oil Based Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.44	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.70	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.96	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.39	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.29	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.23	
For >10,000 To 20,000, Deduct	-0.34	
For >20,000, Deduct	-0.46	
09 91 13 00-0489 SF 1 Coat Primer, Sprayed, Paint Exterior Wood Trim .....	0.90	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.33	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0490 SF 1 Coat Paint, Sprayed, Paint Exterior Wood Trim .....	1.01	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0491 SF 2 Coats Paint, Sprayed, Paint Exterior Wood Trim .....	1.91	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.33	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.53	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.73	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.08	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.38	
<b>09 91 13 00-0492 Paint Exterior Miscellaneous Metal Surfaces</b> <small>(09 91 13)</small> .....	<b>1.23</b>	
09 91 13 00-0493 SF 1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces .....	1.23	
For Epoxy Paint, Add	0.15	
For Electrostatic Painting, Add	0.17	
09 91 13 00-0494 SF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces .....	1.12	
For Epoxy Paint, Add	0.12	
For Electrostatic Painting, Add	0.14	
09 91 13 00-0495 SF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces .....	2.27	
For Epoxy Paint, Add	0.25	
For Electrostatic Painting, Add	0.29	

**09 91 23 Interior Painting** (09 91)

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss. See CSI section 09 91 13 00-0322 for additional interior materials.

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 23 00-0001	Paint Interior Walls <small>(09 91 23)</small>		
09 91 23 00-0002	Paint Interior Brick Walls <small>(09 91 23 00-0001)</small>		
09 91 23 00-0003	SF 1 Coat Filler, Brush Work, Paint Interior Brick Walls.....	0.91	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.41	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.59	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.18	
09 91 23 00-0004	SF 1 Coat Paint, Brush Work, Paint Interior Brick Walls.....	1.05	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.34	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.47	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.67	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 91 23 00-0005	SF 2 Coat Paint, Brush Work, Paint Interior Brick Walls.....	1.88	
	For Oil Based Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.23	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.38	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.60	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.83	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.18	
	For >100 To 250, Add	0.56	
	For >250 To 500, Add	0.24	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.28	
	For >20,000, Deduct	-0.38	
09 91 23 00-0006	SF 1 Coat Filler, Brush/Roller Work, Paint Interior Brick Walls.....	0.74	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.23	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.46	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0007 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Brick Walls .....	0.92	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 23 00-0008 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls .....	1.59	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 23 00-0009 SF 1 Coat Filler, Sprayed, Paint Interior Brick Walls .....	0.67	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
For Backroll, Add	0.08	
09 91 23 00-0010 SF 1 Coat Paint, Sprayed, Paint Interior Brick Walls .....	0.74	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
For Backroll, Add	0.08	
09 91 23 00-0011 SF 2 Coats Paint, Sprayed, Paint Interior Brick Walls .....	1.27	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
For Backroll, Add	0.14	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 23 00-0012	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls .....	0.94
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.19
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.30
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.41
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.59
		<i>For &gt;100 To 250, Add</i>	0.28
		<i>For &gt;250 To 500, Add</i>	0.12
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14
		<i>For &gt;20,000, Deduct</i>	-0.19
09 91 23 00-0013	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls.....	0.77
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.15
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.23
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.32
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.46
		<i>For &gt;100 To 250, Add</i>	0.22
		<i>For &gt;250 To 500, Add</i>	0.10
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12
		<i>For &gt;20,000, Deduct</i>	-0.15
09 91 23 00-0014	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Brick Walls.....	0.70
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.12
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.19
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.26
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.39
		<i>For &gt;100 To 250, Add</i>	0.19
		<i>For &gt;250 To 500, Add</i>	0.08
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11
		<i>For &gt;20,000, Deduct</i>	-0.14
		<i>For Backroll, Add</i>	0.08
09 91 23 00-0015	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Brick Walls.....	0.17
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.02
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.04
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.06
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.08
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.11
		<i>For &gt;100 To 250, Add</i>	0.05
		<i>For &gt;250 To 500, Add</i>	0.02
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.03
		<i>For &gt;20,000, Deduct</i>	-0.03
09 91 23 00-0016		<b>Paint Interior Concrete Walls</b> (09 91 23 00-0001)	
09 91 23 00-0017	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Walls .....	0.77
		<i>For Oil Based Paint, Add</i>	0.05
		<i>For Epoxy Paint, Add</i>	0.08
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.16
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.26
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.35
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.50
		<i>For &gt;100 To 250, Add</i>	0.24
		<i>For &gt;250 To 500, Add</i>	0.10
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12
		<i>For &gt;20,000, Deduct</i>	-0.15



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0018 SF 1 Coat Paint, Brush Work, Paint Interior Concrete Walls.....	0.84	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0019 SF 2 Coats Paint, Brush Work, Paint Interior Concrete Walls.....	1.60	
For Oil Based Paint, Add	0.09	
For Epoxy Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.21	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.35	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.55	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.76	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.07	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 23 00-0020 SF 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls.....	0.62	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.27	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0021 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls.....	0.71	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.33	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	

<b>09</b>	<b>Finishes</b>
<b>09 90</b>	<b>Painting and Coating</b>
<b>09 91</b>	<b>Painting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0022	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls.....	1.30	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.84	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
09 91 23 00-0023	SF		1 Coat Filler, Sprayed, Paint Interior Concrete Walls.....	0.53	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.09	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.15	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.20	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.30	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
			For Backroll, Add	0.06	
09 91 23 00-0024	SF		1 Coat Paint, Sprayed, Paint Interior Concrete Walls.....	0.61	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.19	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.26	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
			For Backroll, Add	0.08	
09 91 23 00-0025	SF		2 Coats Paint, Sprayed, Paint Interior Concrete Walls.....	0.98	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
			For Backroll, Add	0.12	



<b>Finishes</b>	<b>09</b>	<b>2</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0026 SF 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls.....	0.80	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0027 SF 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls .....	0.65	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.27	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0028 SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls.....	0.56	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.15	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.20	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
For Backroll, Add	0.07	
09 91 23 00-0029 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Walls .....	0.14	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.03	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.05	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.07	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.09	
For >100 To 250, Add	0.04	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
<b>09 91 23 00-0030 Paint Interior Concrete Block Walls (09 91 23 00-0001)</b>		
<b>09 91 23 00-0031 Paint Interior Concrete Block Walls, Epoxy Paint (09 91 23 00-0030)</b>		
09 91 23 00-0032 LF 1 Coat Epoxy Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls.....	0.40	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.09	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.16	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0033	SF	1	Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls.....	1.07	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.33	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.46	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.66	
			<i>For &gt;100 To 250, Add</i>	0.31	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16	
			<i>For &gt;20,000, Deduct</i>	-0.21	
09 91 23 00-0034	SF	1	Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls.....	1.24	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.55	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.79	
			<i>For &gt;100 To 250, Add</i>	0.37	
			<i>For &gt;250 To 500, Add</i>	0.16	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19	
			<i>For &gt;20,000, Deduct</i>	-0.25	
09 91 23 00-0035	SF	2	Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls.....	2.22	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.44	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.70	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.96	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.38	
			<i>For &gt;100 To 250, Add</i>	0.66	
			<i>For &gt;250 To 500, Add</i>	0.29	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.11	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.22	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.33	
			<i>For &gt;20,000, Deduct</i>	-0.44	
09 91 23 00-0036	SF	1	Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls.....	0.88	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.35	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.52	
			<i>For &gt;100 To 250, Add</i>	0.25	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.18	
09 91 23 00-0037	SF	1	Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....	0.97	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.58	
			<i>For &gt;100 To 250, Add</i>	0.28	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
			<i>For &gt;20,000, Deduct</i>	-0.19	





<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0038 SF 2 Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....	1.83	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.74	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.08	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.37	
09 91 23 00-0039 SF 1 Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls.....	0.73	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.17	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.24	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
For Backroll, Add	0.08	
09 91 23 00-0040 SF 1 Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls.....	0.89	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
For Backroll, Add	0.10	
09 91 23 00-0041 SF 2 Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.61	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.40	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.54	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.84	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
For Backroll, Add	0.18	
<b>09 91 23 00-0042 Paint Interior Concrete Block Walls, Acrylic Latex Paint (09 91 23 00-0030)</b>		
09 91 23 00-0043 SF 1 Coat Filler, Brush Work, Paint Interior Concrete Block Walls.....	0.99	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting



MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

09 91 23 00-0044	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Block Walls .....	1.19	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.24	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.39	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.53	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.76	
		For >100 To 250, Add	0.36	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	
09 91 23 00-0045	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Block Walls.....	2.15	
		For Oil Based Paint, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.26	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.43	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.69	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.95	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.35	
		For >100 To 250, Add	0.65	
		For >250 To 500, Add	0.28	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.22	
		For >10,000 To 20,000, Deduct	-0.32	
		For >20,000, Deduct	-0.43	
09 91 23 00-0046	SF	1 Coat Texture Paint, Brush Work, Paint Interior Concrete Block Walls .....	1.31	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.27	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.43	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.59	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.84	
		For >100 To 250, Add	0.40	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.26	
09 91 23 00-0047	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls .....	0.84	
		For Oil Based Paint, Add	0.05	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.27	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.37	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.53	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	
09 91 23 00-0048	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls .....	1.00	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.31	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.62	
		For >100 To 250, Add	0.30	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.20	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0049 SF 2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.78	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.74	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.08	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 91 23 00-0050 SF 1 Coat Texture Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....	1.11	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0051 SF 1 Coat Filler, Sprayed, Paint Interior Concrete Block Walls.....	0.75	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
For Backroll, Add	0.09	
09 91 23 00-0052 SF 1 Coat Paint, Sprayed, Paint Interior Concrete Block Walls.....	0.86	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
For Backroll, Add	0.10	
09 91 23 00-0053 SF 2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.24	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.50	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.73	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
For Backroll, Add	0.15	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0054	SF		1 Coat Texture Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.00	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
			For Backroll, Add	0.12	
09 91 23 00-0055	LF		1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls.....	0.20	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.09	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.13	
			For >100 To 250, Add	0.06	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	
09 91 23 00-0056			<b>Paint Interior Concrete Block Walls With Bonding Agent (09 91 23 00-0030)</b>		
09 91 23 00-0057	SF		1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls.....	1.02	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 23 00-0058	SF		1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls.....	0.87	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 23 00-0059	SF		1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls.....	0.78	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.21	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.29	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
			For Backroll, Add	0.09	



<b>Finishes</b>	<b>09</b>	<b>2</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0060 Paint Interior Plaster/Drywall Walls (09 91 23 00-0001)		
09 91 23 00-0061 Paint Interior Plaster/Drywall Walls (09 91 23 00-0060)		
09 91 23 00-0062 SF 1 Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls .....	0.81	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.11	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0063 SF 1 Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	0.86	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.12	
For Epoxy Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0064 SF 2 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	1.57	
For Oil Based Paint, Add	0.09	
For Orange Peel Finish, Add	0.22	
For Epoxy Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.74	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.05	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.31	
09 91 23 00-0065 SF 3 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	2.23	
For Oil Based Paint, Add	0.13	
For Orange Peel Finish, Add	0.31	
For Epoxy Paint, Add	0.21	
For Work >15' To 20' Above Floor, Add	0.29	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.48	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.76	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.05	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.48	
For >100 To 250, Add	0.70	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.45	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0066	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls.....	0.64	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Orange Peel Finish, Add</i>	0.09	
			<i>For Epoxy Paint, Add</i>	0.07	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.40	
			<i>For &gt;100 To 250, Add</i>	0.19	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10	
			<i>For &gt;20,000, Deduct</i>	-0.13	
09 91 23 00-0067	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls .....	0.73	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Orange Peel Finish, Add</i>	0.10	
			<i>For Epoxy Paint, Add</i>	0.07	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.48	
			<i>For &gt;100 To 250, Add</i>	0.23	
			<i>For &gt;250 To 500, Add</i>	0.10	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
			<i>For &gt;20,000, Deduct</i>	-0.15	
09 91 23 00-0068	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls.....	1.30	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Orange Peel Finish, Add</i>	0.18	
			<i>For Epoxy Paint, Add</i>	0.14	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.42	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.58	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.83	
			<i>For &gt;100 To 250, Add</i>	0.40	
			<i>For &gt;250 To 500, Add</i>	0.17	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.20	
			<i>For &gt;20,000, Deduct</i>	-0.26	
09 91 23 00-0069	SF	1	Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls.....	0.52	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Epoxy Paint, Add</i>	0.07	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.05	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.29	
			<i>For &gt;100 To 250, Add</i>	0.14	
			<i>For &gt;250 To 500, Add</i>	0.06	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.08	
			<i>For &gt;20,000, Deduct</i>	-0.10	
			<i>For Backroll, Add</i>	0.06	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0070 SF 1 Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls.....	0.61	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Backroll, Add	0.08	
09 91 23 00-0071 SF 2 Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls.....	0.98	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
For Backroll, Add	0.12	
09 91 23 00-0072 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Plaster/Drywall Walls.....	0.14	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.03	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.05	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.07	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.09	
For >100 To 250, Add	0.04	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
<b>09 91 23 00-0073 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint (09 91 23 00-0060)</b>		
09 91 23 00-0074 SF 2 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls.....	1.66	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.76	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0075	SF		3 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls.....	1.79	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
09 91 23 00-0076	SF		4 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls.....	1.93	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.39	
09 91 23 00-0077			Paint Interior Plaster/Drywall Walls, Acoustic Texture (09 91 23 00-0060)		
09 91 23 00-0078	SF		1 Coat Primer, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls.....	0.69	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.19	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.26	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91 23 00-0079	SF		1 Coat Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls.....	0.82	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.33	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0080	SF		2 Coats Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls.....	1.26	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	





<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0081 SF Stipple Finish (Drippowder), Paint Interior Plaster/Drywall Walls.....	1.30	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.48	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.67	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.92	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
 09 91 23 00-0082 Paint Interior Metal Walls (09 91 23 00-0001)		
09 91 23 00-0083 Paint Interior Galvanized Walls (09 91 23 00-0082)		
Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0084 SF 1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces.....	1.05	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.61	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0085 SF 1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces.....	1.15	
For Electrostatic Painting, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0086 SF 2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces.....	2.11	
For Electrostatic Painting, Add	0.30	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.60	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.83	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.22	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.42	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 23 00-0087	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls.....	0.79
	<i>For Electrostatic Painting, Add</i>	0.12
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08
	<i>Note: Applied only to work area above 15' to 20'.</i>	
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.14
	<i>Note: Applied only to work area above 20' to 30'.</i>	
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.22
	<i>Note: Applied only to work area above 30' to 40'.</i>	
	<i>For Work &gt;40' Above Floor, Add</i>	0.30
	<i>Note: Applied only to work area above 40'.</i>	
	<i>For Up To 100, Add</i>	0.44
	<i>For &gt;100 To 250, Add</i>	0.21
	<i>For &gt;250 To 500, Add</i>	0.09
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12
	<i>For &gt;20,000, Deduct</i>	-0.16
09 91 23 00-0088	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall.....	0.90
	<i>For Electrostatic Painting, Add</i>	0.13
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10
	<i>Note: Applied only to work area above 15' to 20'.</i>	
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.16
	<i>Note: Applied only to work area above 20' to 30'.</i>	
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.26
	<i>Note: Applied only to work area above 30' to 40'.</i>	
	<i>For Work &gt;40' Above Floor, Add</i>	0.35
	<i>Note: Applied only to work area above 40'.</i>	
	<i>For Up To 100, Add</i>	0.52
	<i>For &gt;100 To 250, Add</i>	0.25
	<i>For &gt;250 To 500, Add</i>	0.11
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14
	<i>For &gt;20,000, Deduct</i>	-0.18
09 91 23 00-0089	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls.....	1.70
	<i>For Electrostatic Painting, Add</i>	0.25
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.18
	<i>Note: Applied only to work area above 15' to 20'.</i>	
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.30
	<i>Note: Applied only to work area above 20' to 30'.</i>	
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.47
	<i>Note: Applied only to work area above 30' to 40'.</i>	
	<i>For Work &gt;40' Above Floor, Add</i>	0.65
	<i>Note: Applied only to work area above 40'.</i>	
	<i>For Up To 100, Add</i>	0.96
	<i>For &gt;100 To 250, Add</i>	0.47
	<i>For &gt;250 To 500, Add</i>	0.20
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.17
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.26
	<i>For &gt;20,000, Deduct</i>	-0.34
09 91 23 00-0090	SF 1 Coat Primer, Sprayed, Paint Interior Galvanized Walls.....	0.69
	<i>For Electrostatic Painting, Add</i>	0.12
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.05
	<i>Note: Applied only to work area above 15' to 20'.</i>	
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.09
	<i>Note: Applied only to work area above 20' to 30'.</i>	
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.14
	<i>Note: Applied only to work area above 30' to 40'.</i>	
	<i>For Work &gt;40' Above Floor, Add</i>	0.19
	<i>Note: Applied only to work area above 40'.</i>	
	<i>For Up To 100, Add</i>	0.31
	<i>For &gt;100 To 250, Add</i>	0.15
	<i>For &gt;250 To 500, Add</i>	0.07
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10
	<i>For &gt;20,000, Deduct</i>	-0.14
	<i>For Backroll, Add</i>	0.07
09 91 23 00-0091	SF 1 Coat Paint, Sprayed, Paint Interior Galvanized Walls.....	0.88
	<i>For Electrostatic Painting, Add</i>	0.14
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08
	<i>Note: Applied only to work area above 15' to 20'.</i>	
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.13
	<i>Note: Applied only to work area above 20' to 30'.</i>	
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.21
	<i>Note: Applied only to work area above 30' to 40'.</i>	
	<i>For Work &gt;40' Above Floor, Add</i>	0.29
	<i>Note: Applied only to work area above 40'.</i>	
	<i>For Up To 100, Add</i>	0.45
	<i>For &gt;100 To 250, Add</i>	0.22
	<i>For &gt;250 To 500, Add</i>	0.10
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13
	<i>For &gt;20,000, Deduct</i>	-0.18
	<i>For Backroll, Add</i>	0.10



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0092 SF 2 Coats Paint, Sprayed, Paint Interior Galvanized Walls .....	1.50	
For Electrostatic Painting, Add	0.26	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.44	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.71	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
For Backroll, Add	0.16	
09 91 23 00-0093 Paint Interior Aluminum And Aluminum Alloy Walls (09 91 23 00-0092)		
Note: Alkyd enamel paint.		
09 91 23 00-0094 SF 1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces .....	1.05	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.61	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0095 SF 1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces .....	1.15	
For Electrostatic Painting, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0096 SF 2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces .....	2.10	
For Electrostatic Painting, Add	0.30	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.60	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.83	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.22	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.42	

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0097	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls.....	0.89	
			<i>For Electrostatic Painting, Add</i>	0.14	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.46	
			<i>For &gt;100 To 250, Add</i>	0.22	
			<i>For &gt;250 To 500, Add</i>	0.10	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.18	
09 91 23 00-0098	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls .....	0.99	
			<i>For Electrostatic Painting, Add</i>	0.15	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.35	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.53	
			<i>For &gt;100 To 250, Add</i>	0.26	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
			<i>For &gt;20,000, Deduct</i>	-0.20	
09 91 23 00-0099	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls.....	1.88	
			<i>For Electrostatic Painting, Add</i>	0.29	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.47	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.65	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.99	
			<i>For &gt;100 To 250, Add</i>	0.48	
			<i>For &gt;250 To 500, Add</i>	0.21	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.19	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.28	
			<i>For &gt;20,000, Deduct</i>	-0.38	
09 91 23 00-0100	SF	1	Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls.....	0.75	
			<i>For Electrostatic Painting, Add</i>	0.13	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.06	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.35	
			<i>For &gt;100 To 250, Add</i>	0.18	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
			<i>For &gt;20,000, Deduct</i>	-0.15	
			<i>For Backroll, Add</i>	0.08	
09 91 23 00-0101	SF	1	Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls.....	0.88	
			<i>For Electrostatic Painting, Add</i>	0.14	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.45	
			<i>For &gt;100 To 250, Add</i>	0.22	
			<i>For &gt;250 To 500, Add</i>	0.10	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.18	
			<i>For Backroll, Add</i>	0.10	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0102 SF 2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls .....	1.50	
For Electrostatic Painting, Add	0.26	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.44	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.71	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
For Backroll, Add	0.16	
09 91 23 00-0103 Paint Interior Corrugated Metal Walls (09 91 23 00-0082) .....	0.84	
09 91 23 00-0104 SF 1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Walls .....	0.14	
For Electrostatic Painting, Add	0.07	
For Work >15' To 20' Above Floor, Add		
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.24	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
For Backroll, Add	0.09	
09 91 23 00-0105 SF 1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Walls .....	1.11	
For Electrostatic Painting, Add	0.17	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
For Backroll, Add	0.13	
09 91 23 00-0106 SF 2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Walls .....	1.86	
For Electrostatic Painting, Add	0.31	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.58	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.92	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.37	
For Backroll, Add	0.20	
09 91 23 00-0107 Paint Interior Stucco Walls (09 91 23 00-0001) .....		

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0108	SF	1	Coat Primer, Brush Work, Paint Interior Stucco Wall Surfaces.....	1.34	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.47	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.65	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.91	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 23 00-0109	SF	1	Coat Paint, Brush Work, Paint Interior Stucco Wall Surfaces.....	1.47	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.32	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.51	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.70	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.99	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
09 91 23 00-0110	SF	2	Coats Paint, Brush Work, Paint Interior Stucco Wall Surfaces.....	2.60	
			For Oil Based Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.33	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.56	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.89	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.22	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.72	
			For >100 To 250, Add	0.82	
			For >250 To 500, Add	0.35	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.26	
			For >10,000 To 20,000, Deduct	-0.39	
			For >20,000, Deduct	-0.52	
09 91 23 00-0111	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Stucco Wall Surfaces.....	1.01	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 23 00-0112	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces.....	1.15	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.38	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0113 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces.....	2.10	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.43	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.69	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.95	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.35	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.42	
09 91 23 00-0114 SF 1 Coat Primer, Sprayed, Paint Interior Stucco Wall Surfaces.....	0.75	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
For Backroll, Add	0.09	
09 91 23 00-0115 SF 1 Coat Paint, Sprayed, Paint Interior Stucco Wall Surfaces.....	0.91	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
For Backroll, Add	0.11	
09 91 23 00-0116 SF 2 Coats Paint, Sprayed, Paint Interior Stucco Wall Surfaces.....	1.77	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.74	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.07	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.35	
For Backroll, Add	0.22	
09 91 23 00-0117 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Stucco Wall Surfaces.....	0.24	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.03	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.05	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.08	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.12	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.16	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.04	
For >20,000, Deduct	-0.05	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

09 91 23 00-0118	Paint Interior Wood Walls (09 91 23 00-0001)		
09 91 23 00-0119	Interior Wood Walls (09 91 23 00-0118)		
09 91 23 00-0120	SF 1 Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	1.00	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.35	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.48	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.67	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 23 00-0121	SF 2 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	1.83	
	For Oil Based Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.23	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.39	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.62	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.86	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.21	
	For >100 To 250, Add	0.57	
	For >250 To 500, Add	0.25	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.18	
	For >10,000 To 20,000, Deduct	-0.27	
	For >20,000, Deduct	-0.37	
09 91 23 00-0122	SF 3 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	2.60	
	For Oil Based Paint, Add	0.15	
	For Work >15' To 20' Above Floor, Add	0.33	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.55	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.88	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.21	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.71	
	For >100 To 250, Add	0.81	
	For >250 To 500, Add	0.35	
	For >2,500 To 5,000, Deduct	-0.13	
	For >5,000 To 10,000, Deduct	-0.26	
	For >10,000 To 20,000, Deduct	-0.39	
	For >20,000, Deduct	-0.52	
09 91 23 00-0123	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Walls.....	0.70	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.23	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.31	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.45	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.14	





<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0124 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Walls.....	0.80	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0125 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Walls.....	1.43	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.91	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.29	
09 91 23 00-0126 SF 1 Coat Primer, Sprayed, Paint Interior Wood Walls.....	0.52	
For Oil Based Paint, Add	0.03	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.14	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.20	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
For Backroll, Add	0.06	
09 91 23 00-0127 SF 1 Coat Paint, Sprayed, Paint Interior Wood Walls.....	0.67	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
For Backroll, Add	0.08	
09 91 23 00-0128 SF 2 Coats Paint, Sprayed, Paint Interior Wood Walls.....	1.23	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.25	
For Backroll, Add	0.15	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0129	LF		1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Wall Surfaces .....	0.16	
			<i>For Oil Based Paint, Add</i>	0.01	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.02	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.04	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.06	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.11	
			<i>For &gt;100 To 250, Add</i>	0.05	
			<i>For &gt;250 To 500, Add</i>	0.02	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.02	
			<i>For &gt;20,000, Deduct</i>	-0.03	
09 91 23 00-0130			<b>Paint Interior Ceilings</b> <small>(09 91 23)</small>		
09 91 23 00-0131			<b>Paint Interior Acoustical Ceilings</b> <small>(09 91 23 00-0130)</small>		
			Note: Includes grid.		
09 91 23 00-0132	SF		1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling.....	0.88	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.41	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.58	
			<i>For &gt;100 To 250, Add</i>	0.28	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.18	
09 91 23 00-0133	SF		1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling.....	0.97	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.47	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.66	
			<i>For &gt;100 To 250, Add</i>	0.31	
			<i>For &gt;250 To 500, Add</i>	0.13	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
			<i>For &gt;20,000, Deduct</i>	-0.19	
09 91 23 00-0134	SF		2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling .....	1.72	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.60	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.83	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.16	
			<i>For &gt;100 To 250, Add</i>	0.55	
			<i>For &gt;250 To 500, Add</i>	0.24	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.17	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.26	
			<i>For &gt;20,000, Deduct</i>	-0.34	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0135 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	0.76	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0136 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	0.75	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0137 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	1.40	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.47	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.65	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.92	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 23 00-0138 SF 1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling.....	0.69	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
For Backroll, Add	0.09	
09 91 23 00-0139 SF 1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling.....	0.66	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
For Backroll, Add	0.09	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0140	SF		2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling.....	1.08	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
			For Backroll, Add	0.14	
09 91 23 00-0141	LF		1 Coat Paint, Cut-in Brush Work, Paint Interior Acoustical Ceiling.....	0.27	
			For Oil Based Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.09	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.14	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.04	
			For >20,000, Deduct	-0.05	
09 91 23 00-0142			<b>Paint Interior Concrete Ceilings (09 91 23 00-0130)</b>		
09 91 23 00-0143	SF		1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling.....	0.88	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 23 00-0144	SF		1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling.....	0.96	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0145 SF 2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling.....	1.71	
For Oil Based Paint, Add	0.10	
For Epoxy Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.37	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.60	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.82	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.15	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.34	
09 91 23 00-0146 SF 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling.....	0.67	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0147 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling.....	0.75	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0148 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling.....	1.40	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.47	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.65	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.92	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	

<b>09</b>	<b>Finishes</b>
<b>09 90</b>	<b>Painting and Coating</b>
<b>09 91</b>	<b>Painting</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 23 00-0149	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling.....	0.64	
		For Oil Based Paint, Add	0.04	
		For Epoxy Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.07	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.12	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.19	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.26	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.38	
		For >100 To 250, Add	0.18	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.06	
		For >10,000 To 20,000, Deduct	-0.10	
		For >20,000, Deduct	-0.13	
		For Backroll, Add	0.08	
09 91 23 00-0150	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling.....	0.66	
		For Oil Based Paint, Add	0.04	
		For Epoxy Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.21	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.29	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.42	
		For >100 To 250, Add	0.20	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.10	
		For >20,000, Deduct	-0.13	
		For Backroll, Add	0.09	
09 91 23 00-0151	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling.....	1.07	
		For Oil Based Paint, Add	0.07	
		For Epoxy Paint, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.32	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.44	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.64	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
		For Backroll, Add	0.13	
09 91 23 00-0152	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling.....	0.91	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.30	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.41	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.59	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.18	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0153 SF 1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling .....	0.70	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0154 SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling.....	0.67	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
For Backroll, Add	0.08	
09 91 23 00-0155 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Ceiling.....	0.16	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20' to 30'		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.08	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.11	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
<b>09 91 23 00-0156 Paint Interior Drywall/Plaster Ceilings (09 91 23 00-0130)</b>		
09 91 23 00-0157 SF 1 Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling.....	0.88	
For Epoxy Paint, Add	0.08	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	

<b>09</b>	<b>Finishes</b>
<b>09 90</b>	<b>Painting and Coating</b>
<b>09 91</b>	<b>Painting</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 23 00-0158	SF	1 Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling.....	0.97
		For Epoxy Paint, Add	0.08
		For Oil Based Paint, Add	0.05
		For Orange Peel Finish, Add	0.14
		For Work >15' To 20' Above Floor, Add	0.13
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.22
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.34
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.47
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.66
		For >100 To 250, Add	0.31
		For >250 To 500, Add	0.13
		For >2,500 To 5,000, Deduct	-0.05
		For >5,000 To 10,000, Deduct	-0.10
		For >10,000 To 20,000, Deduct	-0.15
		For >20,000, Deduct	-0.19
09 91 23 00-0159	SF	2 Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling.....	1.72
		For Epoxy Paint, Add	0.15
		For Oil Based Paint, Add	0.10
		For Orange Peel Finish, Add	0.24
		For Work >15' To 20' Above Floor, Add	0.23
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.38
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.60
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.83
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.16
		For >100 To 250, Add	0.55
		For >250 To 500, Add	0.24
		For >2,500 To 5,000, Deduct	-0.09
		For >5,000 To 10,000, Deduct	-0.17
		For >10,000 To 20,000, Deduct	-0.26
		For >20,000, Deduct	-0.34
09 91 23 00-0160	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	0.76
		For Epoxy Paint, Add	0.08
		For Oil Based Paint, Add	0.04
		For Orange Peel Finish, Add	0.11
		For Work >15' To 20' Above Floor, Add	0.09
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.16
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.25
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.35
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.49
		For >100 To 250, Add	0.23
		For >250 To 500, Add	0.10
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.08
		For >10,000 To 20,000, Deduct	-0.11
		For >20,000, Deduct	-0.15
09 91 23 00-0161	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	0.75
		For Epoxy Paint, Add	0.07
		For Oil Based Paint, Add	0.04
		For Orange Peel Finish, Add	0.11
		For Work >15' To 20' Above Floor, Add	0.10
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.16
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.26
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.35
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.50
		For >100 To 250, Add	0.24
		For >250 To 500, Add	0.10
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.08
		For >10,000 To 20,000, Deduct	-0.11
		For >20,000, Deduct	-0.15





<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0162 SF 2 Coats Paints, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling .....	1.40	
For Epoxy Paint, Add	0.14	
For Oil Based Paint, Add	0.08	
For Orange Peel Finish, Add	0.20	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.47	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.65	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.92	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 23 00-0163 SF 1 Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling .....	0.69	
For Epoxy Paint, Add	0.08	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
For Backroll, Add	0.09	
09 91 23 00-0164 SF 1 Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling .....	0.66	
For Epoxy Paint, Add	0.07	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
For Backroll, Add	0.09	
09 91 23 00-0165 SF 2 Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling .....	1.08	
For Epoxy Paint, Add	0.14	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
For Backroll, Add	0.14	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0166	LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Drywall/Plaster Ceiling.....	0.16	
	For Epoxy Paint, Add	0.01	
	For Oil Based Paint, Add	0.01	
	For Work >15' To 20' Above Floor, Add	0.02	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.04	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.06	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.08	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.11	
	For >100 To 250, Add	0.05	
	For >250 To 500, Add	0.02	
	For >2,500 To 5,000, Deduct	-0.01	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 20,000, Deduct	-0.02	
	For >20,000, Deduct	-0.03	
09 91 23 00-0167	Paint Interior Metal Ceilings (09 91 23 00-0130)		
09 91 23 00-0168	Galvanized Surfaces, Galvanized Primer (09 91 23 00-0167)		
	Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0169	SF 1 Coat Primer, Brush Work, Paint Interior Galvanized Ceiling.....	1.15	
	For Electrostatic Painting, Add	0.16	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.34	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.47	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.68	
	For >100 To 250, Add	0.33	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.23	
09 91 23 00-0170	SF 1 Coat Paint, Brush Work, Paint Interior Galvanized Ceiling.....	1.27	
	For Electrostatic Painting, Add	0.17	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.24	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.39	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.53	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.77	
	For >100 To 250, Add	0.37	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.25	
09 91 23 00-0171	SF 2 Coats Paint, Brush Work, Paint Interior Galvanized Ceiling.....	2.32	
	For Electrostatic Painting, Add	0.32	
	For Work >15' To 20' Above Floor, Add	0.26	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.43	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.69	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.95	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.38	
	For >100 To 250, Add	0.66	
	For >250 To 500, Add	0.29	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.23	
	For >10,000 To 20,000, Deduct	-0.35	
	For >20,000, Deduct	-0.46	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0172 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Ceiling.....	0.89	
For Electrostatic Painting, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 23 00-0173 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling.....	1.00	
For Electrostatic Painting, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0174 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling .....	1.85	
For Electrostatic Painting, Add	0.26	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.74	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.09	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.37	
09 91 23 00-0175 SF 1 Coat Primer, Sprayed, Paint Interior Galvanized Ceiling .....	0.88	
For Electrostatic Painting, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
For Backroll, Add	0.10	
09 91 23 00-0176 SF 1 Coat Paint, Sprayed, Paint Interior Galvanized Ceiling.....	1.01	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.55	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
For Backroll, Add	0.12	

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0177	SF		2 Coats Paint, Sprayed, Paint Interior Galvanized Ceiling.....	1.63	
			<i>For Electrostatic Painting, Add</i>	0.27	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.37	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.51	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.80	
			<i>For &gt;100 To 250, Add</i>	0.40	
			<i>For &gt;250 To 500, Add</i>	0.17	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.16	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.24	
			<i>For &gt;20,000, Deduct</i>	-0.33	
			<i>For Backroll, Add</i>	0.17	
09 91 23 00-0178			<b>Aluminum And Aluminum Alloy Surface Pretreatment Primer</b> (09 91 23 00-0167)		
			<i>Note: Alkyd enamel paint.</i>		
09 91 23 00-0179	SF		1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.15	
			<i>For Electrostatic Painting, Add</i>	0.16	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.47	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.68	
			<i>For &gt;100 To 250, Add</i>	0.33	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17	
			<i>For &gt;20,000, Deduct</i>	-0.23	
09 91 23 00-0180	SF		1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.27	
			<i>For Electrostatic Painting, Add</i>	0.17	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.39	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.53	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.77	
			<i>For &gt;100 To 250, Add</i>	0.37	
			<i>For &gt;250 To 500, Add</i>	0.16	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19	
			<i>For &gt;20,000, Deduct</i>	-0.25	
09 91 23 00-0181	SF		2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	2.32	
			<i>For Electrostatic Painting, Add</i>	0.32	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.43	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.69	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.95	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.38	
			<i>For &gt;100 To 250, Add</i>	0.66	
			<i>For &gt;250 To 500, Add</i>	0.29	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.12	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.23	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.35	
			<i>For &gt;20,000, Deduct</i>	-0.46	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0182 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	0.99	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0183 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.10	
For Electrostatic Painting, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0184 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	2.08	
For Electrostatic Painting, Add	0.31	
For Work >15' To 20' Above Floor, Add	0.21	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.35	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.55	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.76	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.14	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.42	
09 91 23 00-0185 SF 1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	0.88	
For Electrostatic Painting, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
For Backroll, Add	0.10	
09 91 23 00-0186 SF 1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.01	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.55	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
For Backroll, Add	0.12	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0187	SF		2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.63	
			<i>For Electrostatic Painting, Add</i>	0.27	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.37	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.51	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.80	
			<i>For &gt;100 To 250, Add</i>	0.40	
			<i>For &gt;250 To 500, Add</i>	0.17	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.16	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.24	
			<i>For &gt;20,000, Deduct</i>	-0.33	
			<i>For Backroll, Add</i>	0.17	
09 91 23 00-0188			<b>Paint Interior Ceiling Tile Grid</b> <small>(09 91 23 00-0167)</small>		
			<i>Note: Grid only.</i>		
09 91 23 00-0189	LF		1 Coat Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid.....	0.24	
			<i>For Electrostatic Painting, Add</i>	0.03	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.03	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.05	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.16	
			<i>For &gt;100 To 250, Add</i>	0.07	
			<i>For &gt;250 To 500, Add</i>	0.03	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.04	
			<i>For &gt;20,000, Deduct</i>	-0.05	
09 91 23 00-0190	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid.....	0.50	
			<i>For Electrostatic Painting, Add</i>	0.06	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.06	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.32	
			<i>For &gt;100 To 250, Add</i>	0.15	
			<i>For &gt;250 To 500, Add</i>	0.07	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.08	
			<i>For &gt;20,000, Deduct</i>	-0.10	
09 91 23 00-0191			<b>Paint Interior Corrugated Metal Ceilings</b> <small>(09 91 23 00-0167)</small>		
09 91 23 00-0192	SF		1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Ceiling.....	1.17	
			<i>For Electrostatic Painting, Add</i>	0.19	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.39	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.60	
			<i>For &gt;100 To 250, Add</i>	0.29	
			<i>For &gt;250 To 500, Add</i>	0.13	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.18	
			<i>For &gt;20,000, Deduct</i>	-0.23	
			<i>For Backroll, Add</i>	0.13	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0193 SF 1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Ceiling.....	1.34	
For Electrostatic Painting, Add	0.20	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.73	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
For Backroll, Add	0.16	
09 91 23 00-0194 SF 2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Ceiling .....	2.17	
For Electrostatic Painting, Add	0.36	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.31	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.50	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.68	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.07	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.43	
For Backroll, Add	0.23	
<b>09 91 23 00-0195 Paint Interior Wood Ceilings (09 91 23 00-0130)</b>		
<b>09 91 23 00-0196 Paint Interior Smooth Wood Ceilings (09 91 23 00-0195)</b>		
09 91 23 00-0197 SF 1 Coat Primer, Brush Work, Paint Interior Wood Smooth Ceiling .....	1.08	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.49	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.70	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 23 00-0198 SF 1 Coat Paint, Brush Work, Paint Interior Wood Smooth Ceiling.....	1.13	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting



MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

09 91 23 00-0199	SF	2 Coats Paint, Brush Work, Paint Interior Wood Smooth Ceiling.....	2.04	
		<i>For Oil Based Paint, Add</i>	0.12	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.26	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.43	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.69	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.95	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	1.34	
		<i>For &gt;100 To 250, Add</i>	0.63	
		<i>For &gt;250 To 500, Add</i>	0.27	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.20	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.31	
		<i>For &gt;20,000, Deduct</i>	-0.41	
09 91 23 00-0200	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Smooth Wood Ceiling.....	0.86	
		<i>For Oil Based Paint, Add</i>	0.05	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.16	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.26	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.35	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.51	
		<i>For &gt;100 To 250, Add</i>	0.25	
		<i>For &gt;250 To 500, Add</i>	0.11	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
		<i>For &gt;20,000, Deduct</i>	-0.17	
09 91 23 00-0201	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling.....	0.94	
		<i>For Oil Based Paint, Add</i>	0.06	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.19	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.30	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.41	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.59	
		<i>For &gt;100 To 250, Add</i>	0.28	
		<i>For &gt;250 To 500, Add</i>	0.12	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
		<i>For &gt;20,000, Deduct</i>	-0.19	
09 91 23 00-0202	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling.....	1.76	
		<i>For Oil Based Paint, Add</i>	0.11	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.21	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.35	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.55	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.76	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	1.09	
		<i>For &gt;100 To 250, Add</i>	0.52	
		<i>For &gt;250 To 500, Add</i>	0.23	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.18	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.26	
		<i>For &gt;20,000, Deduct</i>	-0.35	
09 91 23 00-0203	SF	1 Coat Primer, Sprayed, Paint Interior Smooth Wood Ceiling.....	0.69	
		<i>For Oil Based Paint, Add</i>	0.04	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.13	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.21	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.29	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.42	
		<i>For &gt;100 To 250, Add</i>	0.20	
		<i>For &gt;250 To 500, Add</i>	0.09	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10	
		<i>For &gt;20,000, Deduct</i>	-0.14	
		<i>For Backroll, Add</i>	0.09	





<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0204 SF 1 Coat Paint, Sprayed, Paint Interior Smooth Wood Ceiling.....	0.83	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
For Backroll, Add	0.11	
09 91 23 00-0205 SF 2 Coats Paint, Sprayed, Paint Interior Smooth Wood Ceiling.....	1.25	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
For Backroll, Add	0.16	
09 91 23 00-0206 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Smooth Ceiling.....	0.19	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.09	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.12	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
<b>09 91 23 00-0207 Paint Interior Wood Beams (09 91 23 00-0130)</b>		
09 91 23 00-0208 SF 1 Coat Primer, Brush Work, Paint Interior Wood Beams.....	1.20	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.40	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.56	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.79	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0209	SF	1	Coat Paint, Brush Work, Paint Interior Wood Beams.....	1.22	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.42	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.58	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.82	
			<i>For &gt;100 To 250, Add</i>	0.39	
			<i>For &gt;250 To 500, Add</i>	0.17	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.18	
			<i>For &gt;20,000, Deduct</i>	-0.24	
09 91 23 00-0210	SF	2	Coats Paint, Brush Work, Paint Interior Wood Beams.....	2.23	
			<i>For Oil Based Paint, Add</i>	0.13	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.48	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.76	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	1.05	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.48	
			<i>For &gt;100 To 250, Add</i>	0.70	
			<i>For &gt;250 To 500, Add</i>	0.30	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.11	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.22	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.33	
			<i>For &gt;20,000, Deduct</i>	-0.45	
09 91 23 00-0211	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Wood Beams.....	0.95	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.58	
			<i>For &gt;100 To 250, Add</i>	0.28	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
			<i>For &gt;20,000, Deduct</i>	-0.19	
09 91 23 00-0212	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Wood Beams.....	0.94	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.41	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.59	
			<i>For &gt;100 To 250, Add</i>	0.28	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
			<i>For &gt;20,000, Deduct</i>	-0.19	
09 91 23 00-0213	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Wood Beams.....	1.76	
			<i>For Oil Based Paint, Add</i>	0.11	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.35	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.55	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.76	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.09	
			<i>For &gt;100 To 250, Add</i>	0.52	
			<i>For &gt;250 To 500, Add</i>	0.23	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.18	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.26	
			<i>For &gt;20,000, Deduct</i>	-0.35	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0214 SF 1 Coat Primer, Sprayed, Paint Interior Wood Beams.....	0.83	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
For Backroll, Add	0.11	
09 91 23 00-0215 SF 1 Coat Paint, Sprayed, Paint Interior Wood Beams.....	0.82	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
For Backroll, Add	0.11	
09 91 23 00-0216 SF 2 Coats Paint, Sprayed, Paint Interior Wood Beams.....	1.36	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.83	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
For Backroll, Add	0.17	
<b>09 91 23 00-0217 Paint Interior Floors And Decks (09 91 23)</b>		
<b>09 91 23 00-0218 Paint Interior Concrete Floors And Decks (09 91 23 00-0217)</b>		
09 91 23 00-0219 SF 1 Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks.....	0.67	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0220 SF 1 Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks.....	0.75	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0221 SF 2 Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks.....	1.48	
For Oil Based Paint, Add	0.09	
For Epoxy Paint, Add	0.14	
For Up To 100, Add	0.98	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.30	
09 91 23 00-0222 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks.....	0.66	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0223 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks.....	0.65	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0224 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks.....	1.05	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.12	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0225 SF 1 Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks.....	0.52	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.07	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
For Backroll, Add	0.06	
09 91 23 00-0226 SF 1 Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks.....	0.53	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.07	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
For Backroll, Add	0.07	
09 91 23 00-0227 SF 2 Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks.....	0.94	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.13	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
For Backroll, Add	0.11	
09 91 23 00-0228 SF 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks.....	0.70	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0229 SF 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks.....	0.69	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 23 00-0230 SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks .....	0.55	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
For Backroll, Add	0.06	
09 91 23 00-0231 SF 1 Coat Non Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks.....	2.12	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.42	
09 91 23 00-0232 SF 1 Coat Non Slip Epoxy Paint, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251) .....	6.16	
For Up To 100, Add	1.31	
For >100 To 250, Add	0.78	
For >250 To 500, Add	0.37	
For >2,500 To 5,000, Deduct	-0.31	
For >5,000 To 10,000, Deduct	-0.62	
For >10,000 To 20,000, Deduct	-0.92	
For >20,000, Deduct	-1.23	
09 91 23 00-0233 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Floors And Decks.....	0.13	
For Up To 100, Add	0.09	
For >100 To 250, Add	0.04	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
<b>09 91 23 00-0234 Paint Interior Wood Floors And Decks (09 91 23 00-0217)</b>		
09 91 23 00-0235 SF 1 Coat Primer, Brush Work, Paint Interior Wood Floors And Decks.....	0.84	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0236 SF 1 Coat Paint, Brush Work, Paint Interior Wood Floors And Decks.....	0.91	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 23 00-0237 SF 2 Coats Paint, Brush Work, Paint Interior Wood Floors And Decks.....	1.71	
For Oil Based Paint, Add	0.10	
For Up To 100, Add	1.09	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.34	
09 91 23 00-0238 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Floors And Decks.....	0.67	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0239 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks .....	0.73	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0240 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks.....	1.44	
For Oil Based Paint, Add	0.09	
For Up To 100, Add	0.85	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 23 00-0241 SF 1 Coat Primer, Sprayed, Paint Interior Wood Floors And Decks.....	0.56	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
For Backroll, Add	0.07	
09 91 23 00-0242 SF 1 Coat Paint, Sprayed, Paint Interior Wood Floors And Decks .....	0.69	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
For Backroll, Add	0.09	
09 91 23 00-0243 SF 2 Coats Paint, Sprayed, Paint Interior Wood Floors And Decks .....	1.00	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
For Backroll, Add	0.12	
09 91 23 00-0244 SF 1 Coat Non Slip Paint, Brush Work, Paint Interior Wood Floors And Decks .....	2.12	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.42	
09 91 23 00-0245 SF 1 Coat Non Slip Epoxy Paint, Brush Work, Paint Interior Wood Floors And Decks .....	6.16	
For Up To 100, Add	1.31	
For >100 To 250, Add	0.78	
For >250 To 500, Add	0.37	
For >2,500 To 5,000, Deduct	-0.31	
For >5,000 To 10,000, Deduct	-0.62	
For >10,000 To 20,000, Deduct	-0.92	
For >20,000, Deduct	-1.23	
09 91 23 00-0246 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Floors And Decks .....	0.15	
For Up To 100, Add	0.09	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
<b>09 91 23 00-0247 Paint Interior Doors And Windows (09 91 23)</b>		
<b>09 91 23 00-0248 Paint Interior Door Frames (09 91 23 00-0247)</b>		
09 91 23 00-0249 LF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim.....	1.02	
For Oil Based Paint, Add	0.06	
For Painting One Face Of Frame Only, Deduct	-0.27	
09 91 23 00-0250 LF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim .....	1.32	
For Oil Based Paint, Add	0.07	
For Painting One Face Of Frame Only, Deduct	-0.34	
09 91 23 00-0251 LF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trime .....	2.24	
For Oil Based Paint, Add	0.12	
For Painting One Face Of Frame Only, Deduct	-0.58	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0252 LF 1 Coat Primer, Brush/Roller Work, Paint Interior Metal Door Frame And Trim .....	1.07	
For Oil Based Paint, Add	0.06	
For Painting One Face Of Frame Only, Deduct	-0.29	
09 91 23 00-0253 LF 1 Coat Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim .....	1.37	
For Oil Based Paint, Add	0.08	
For Painting One Face Of Frame Only, Deduct	-0.36	
09 91 23 00-0254 LF 2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim .....	2.31	
For Oil Based Paint, Add	0.13	
For Painting One Face Of Frame Only, Deduct	-0.61	
<b>09 91 23 00-0255 Paint Interior Metal Doors (09 91 23 00-0247)</b>		
09 91 23 00-0256 EA 1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Metal Door .....	51.68	
For Electrostatic Painting, Add	8.26	
For Half Louvered Door, Add	4.66	
For Full Louvered Door, Add	7.77	
For Oil Based Paint, Add	3.61	
For >5 To 10, Deduct	-2.58	
For >10 To 25, Deduct	-5.17	
For >25, Deduct	-7.75	
09 91 23 00-0257 EA 1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Metal Door .....	51.68	
For Electrostatic Painting, Add	8.26	
For Half Louvered Door, Add	4.66	
For Full Louvered Door, Add	7.77	
For Oil Based Paint, Add	3.61	
For >5 To 10, Deduct	-2.58	
For >10 To 25, Deduct	-5.17	
For >25, Deduct	-7.75	
09 91 23 00-0258 EA 2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Metal Door .....	93.43	
For Electrostatic Painting, Add	15.49	
For Half Louvered Door, Add	7.87	
For Full Louvered Door, Add	13.12	
For Oil Based Paint, Add	6.72	
For >5 To 10, Deduct	-4.67	
For >10 To 25, Deduct	-9.34	
For >25, Deduct	-14.01	
09 91 23 00-0259 EA 1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Metal Door .....	92.73	
For Electrostatic Painting, Add	14.83	
For Half Louvered Door, Add	8.36	
For Full Louvered Door, Add	13.93	
For Oil Based Paint, Add	6.49	
For >5 To 10, Deduct	-4.64	
For >10 To 25, Deduct	-9.27	
For >25, Deduct	-13.91	
09 91 23 00-0260 EA 1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door .....	92.74	
For Electrostatic Painting, Add	14.83	
For Half Louvered Door, Add	8.36	
For Full Louvered Door, Add	13.93	
For Oil Based Paint, Add	6.49	
For >5 To 10, Deduct	-4.64	
For >10 To 25, Deduct	-9.27	
For >25, Deduct	-13.91	
09 91 23 00-0261 EA 2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door .....	168.31	
For Electrostatic Painting, Add	27.94	
For Half Louvered Door, Add	14.14	
For Full Louvered Door, Add	23.56	
For Oil Based Paint, Add	12.12	
For >5 To 10, Deduct	-8.42	
For >10 To 25, Deduct	-16.83	
For >25, Deduct	-25.25	
09 91 23 00-0262 EA 1 Coat Primer, Sprayed, One Face, Paint Interior Metal Door .....	45.81	
For Electrostatic Painting, Add	7.98	
For Half Louvered Door, Add	3.47	
For Full Louvered Door, Add	5.79	
For Oil Based Paint, Add	3.42	
For >5 To 10, Deduct	-2.29	
For >10 To 25, Deduct	-4.58	
For >25, Deduct	-6.87	
For Backroll, Add	4.60	
09 91 23 00-0263 EA 1 Coat Paint, Sprayed, One Face, Paint Interior Metal Door .....	45.81	
For Electrostatic Painting, Add	7.98	
For Half Louvered Door, Add	3.47	
For Full Louvered Door, Add	5.79	
For Oil Based Paint, Add	3.42	
For >5 To 10, Deduct	-2.29	
For >10 To 25, Deduct	-4.58	
For >25, Deduct	-6.87	
For Backroll, Add	4.60	
09 91 23 00-0264 EA 2 Coats Paint, Sprayed, One Face, Paint Interior Metal Door .....	84.13	
For Electrostatic Painting, Add	15.17	
For Half Louvered Door, Add	5.86	
For Full Louvered Door, Add	9.77	
For Oil Based Paint, Add	6.46	
For >5 To 10, Deduct	-4.21	
For >10 To 25, Deduct	-8.41	
For >25, Deduct	-12.62	
For Backroll, Add	8.11	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0265	EA		1 Coat Primer, Sprayed, Both Faces, Paint Interior Metal Door.....	82.22	
			<i>For Electrostatic Painting, Add</i>	14.33	
			<i>For Half Louvered Door, Add</i>	6.22	
			<i>For Full Louvered Door, Add</i>	10.37	
			<i>For Oil Based Paint, Add</i>	6.15	
			<i>For &gt;5 To 10, Deduct</i>	-4.11	
			<i>For &gt;10 To 25, Deduct</i>	-8.22	
			<i>For &gt;25, Deduct</i>	-12.33	
			<i>For Backroll, Add</i>	8.26	
09 91 23 00-0266	EA		1 Coat Paint, Sprayed, Both Faces, Paint Interior Metal Door.....	82.22	
			<i>For Electrostatic Painting, Add</i>	14.33	
			<i>For Half Louvered Door, Add</i>	6.22	
			<i>For Full Louvered Door, Add</i>	10.37	
			<i>For Oil Based Paint, Add</i>	6.15	
			<i>For &gt;5 To 10, Deduct</i>	-4.11	
			<i>For &gt;10 To 25, Deduct</i>	-8.22	
			<i>For &gt;25, Deduct</i>	-12.33	
			<i>For Backroll, Add</i>	8.26	
09 91 23 00-0267	EA		2 Coats Paint, Sprayed, Both Faces, Paint Interior Metal Door.....	151.68	
			<i>For Electrostatic Painting, Add</i>	27.39	
			<i>For Half Louvered Door, Add</i>	10.53	
			<i>For Full Louvered Door, Add</i>	17.55	
			<i>For Oil Based Paint, Add</i>	11.66	
			<i>For &gt;5 To 10, Deduct</i>	-7.58	
			<i>For &gt;10 To 25, Deduct</i>	-15.17	
			<i>For &gt;25, Deduct</i>	-22.75	
			<i>For Backroll, Add</i>	14.61	
<b>09 91 23 00-0268</b>			<b>Paint Interior Wood Doors</b> (09 91 23 00-0247)		
09 91 23 00-0269	EA		1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Wood Door.....	43.80	
			<i>For Oil Based Paint, Add</i>	2.83	
			<i>For Half Louvered Door, Add</i>	4.66	
			<i>For Full Louvered Door, Add</i>	7.77	
			<i>For &gt;5 To 10, Deduct</i>	-2.19	
			<i>For &gt;10 To 25, Deduct</i>	-4.38	
			<i>For &gt;25, Deduct</i>	-6.57	
09 91 23 00-0270	EA		1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Wood Door.....	43.80	
			<i>For Oil Based Paint, Add</i>	2.83	
			<i>For Half Louvered Door, Add</i>	4.66	
			<i>For Full Louvered Door, Add</i>	7.77	
			<i>For &gt;5 To 10, Deduct</i>	-2.19	
			<i>For &gt;10 To 25, Deduct</i>	-4.38	
			<i>For &gt;25, Deduct</i>	-6.57	
09 91 23 00-0271	EA		2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Wood Door.....	77.78	
			<i>For Oil Based Paint, Add</i>	5.15	
			<i>For Half Louvered Door, Add</i>	7.87	
			<i>For Full Louvered Door, Add</i>	13.12	
			<i>For &gt;5 To 10, Deduct</i>	-3.89	
			<i>For &gt;10 To 25, Deduct</i>	-7.78	
			<i>For &gt;25, Deduct</i>	-11.67	
09 91 23 00-0272	EA		1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	78.59	
			<i>For Oil Based Paint, Add</i>	5.07	
			<i>For Half Louvered Door, Add</i>	8.36	
			<i>For Full Louvered Door, Add</i>	13.93	
			<i>For &gt;5 To 10, Deduct</i>	-3.93	
			<i>For &gt;10 To 25, Deduct</i>	-7.86	
			<i>For &gt;25, Deduct</i>	-11.79	
09 91 23 00-0273	EA		1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	78.59	
			<i>For Oil Based Paint, Add</i>	5.07	
			<i>For Half Louvered Door, Add</i>	8.36	
			<i>For Full Louvered Door, Add</i>	13.93	
			<i>For &gt;5 To 10, Deduct</i>	-3.93	
			<i>For &gt;10 To 25, Deduct</i>	-7.86	
			<i>For &gt;25, Deduct</i>	-11.79	
09 91 23 00-0274	EA		2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	140.01	
			<i>For Oil Based Paint, Add</i>	9.29	
			<i>For Half Louvered Door, Add</i>	14.14	
			<i>For Full Louvered Door, Add</i>	23.56	
			<i>For &gt;5 To 10, Deduct</i>	-7.00	
			<i>For &gt;10 To 25, Deduct</i>	-14.00	
			<i>For &gt;25, Deduct</i>	-21.00	
09 91 23 00-0275	EA		1 Coat Primer, Sprayed, One Face, Paint Interior Wood Door.....	37.15	
			<i>For Oil Based Paint, Add</i>	2.56	
			<i>For Half Louvered Door, Add</i>	3.47	
			<i>For Full Louvered Door, Add</i>	5.79	
			<i>For &gt;5 To 10, Deduct</i>	-1.86	
			<i>For &gt;10 To 25, Deduct</i>	-3.72	
			<i>For &gt;25, Deduct</i>	-5.57	
			<i>For Backroll, Add</i>	4.17	





<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0276 EA 1 Coat Paint, Sprayed, One Face, Paint Interior Wood Door.....	37.15	
For Oil Based Paint, Add	2.56	
For Half Louvered Door, Add	3.47	
For Full Louvered Door, Add	5.79	
For >5 To 10, Deduct	-1.86	
For >10 To 25, Deduct	-3.72	
For >25, Deduct	-5.57	
For Backroll, Add	4.17	
09 91 23 00-0277 EA 2 Coats Paint, Sprayed, One Face, Paint Interior Wood Door.....	66.94	
For Oil Based Paint, Add	4.74	
For Half Louvered Door, Add	5.87	
For Full Louvered Door, Add	9.78	
For >5 To 10, Deduct	-3.35	
For >10 To 25, Deduct	-6.69	
For >25, Deduct	-10.04	
For Backroll, Add	7.26	
09 91 23 00-0278 EA 1 Coat Primer, Sprayed, Both Faces, Paint Interior Wood Door.....	66.66	
For Oil Based Paint, Add	4.59	
For Half Louvered Door, Add	6.22	
For Full Louvered Door, Add	10.37	
For >5 To 10, Deduct	-3.33	
For >10 To 25, Deduct	-6.67	
For >25, Deduct	-10.00	
For Backroll, Add	7.48	
09 91 23 00-0279 EA 1 Coat Paint, Sprayed, Both Faces, Paint Interior Wood Door.....	66.66	
For Oil Based Paint, Add	4.59	
For Half Louvered Door, Add	6.22	
For Full Louvered Door, Add	10.37	
For >5 To 10, Deduct	-3.33	
For >10 To 25, Deduct	-6.67	
For >25, Deduct	-10.00	
For Backroll, Add	7.48	
09 91 23 00-0280 EA 2 Coats Paint, Sprayed, Both Faces, Paint Interior Wood Door.....	120.55	
For Oil Based Paint, Add	8.54	
For Half Louvered Door, Add	10.53	
For Full Louvered Door, Add	17.55	
For >5 To 10, Deduct	-6.03	
For >10 To 25, Deduct	-12.06	
For >25, Deduct	-18.08	
For Backroll, Add	13.05	
<b>09 91 23 00-0281 Paint Interior Metal Windows (09 91 23 00-0247)</b>		
Note: Two finish coats paint over rust inhibitive primer.		
09 91 23 00-0282 EA Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work.....	83.33	
For Oil Based Paint, Add	4.85	
For Electrostatic Painting, Add	10.39	
For >5 To 10, Deduct	-4.17	
For >10 To 25, Deduct	-8.33	
For >25, Deduct	-12.50	
09 91 23 00-0283 EA >8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work.....	101.49	
For Oil Based Paint, Add	6.13	
For Electrostatic Painting, Add	13.32	
For >5 To 10, Deduct	-5.07	
For >10 To 25, Deduct	-10.15	
For >25, Deduct	-15.22	
09 91 23 00-0284 EA >14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work.....	137.17	
For Oil Based Paint, Add	8.36	
For Electrostatic Painting, Add	18.22	
For >5 To 10, Deduct	-6.86	
For >10 To 25, Deduct	-13.72	
For >25, Deduct	-20.58	
09 91 23 00-0285 EA >20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work.....	154.50	
For Oil Based Paint, Add	9.42	
For Electrostatic Painting, Add	20.54	
For >5 To 10, Deduct	-7.73	
For >10 To 25, Deduct	-15.45	
For >25, Deduct	-23.18	
09 91 23 00-0286 EA >26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work.....	171.27	
For Oil Based Paint, Add	10.43	
For Electrostatic Painting, Add	22.73	
For >5 To 10, Deduct	-8.56	
For >10 To 25, Deduct	-17.13	
For >25, Deduct	-25.69	
09 91 23 00-0287 SF >34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work.....	5.44	
For Oil Based Paint, Add	0.33	
For Electrostatic Painting, Add	0.72	
<b>09 91 23 00-0288 Paint Interior Wood Windows (09 91 23 00-0247)</b>		
Note: Two finish coats paint over primer.		

<b>09</b>	<b>Finishes</b>
<b>09 90</b>	<b>Painting and Coating</b>
<b>09 91</b>	<b>Painting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0289	EA		Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work .....	78.11	
			<i>For Oil Based Paint, Add</i>	4.33	
			<i>For &gt;5 To 10, Deduct</i>	-3.91	
			<i>For &gt;10 To 25, Deduct</i>	-7.81	
			<i>For &gt;25, Deduct</i>	-11.72	
09 91 23 00-0290	EA		>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work .....	93.41	
			<i>For Oil Based Paint, Add</i>	5.32	
			<i>For &gt;5 To 10, Deduct</i>	-4.67	
			<i>For &gt;10 To 25, Deduct</i>	-9.34	
			<i>For &gt;25, Deduct</i>	-14.01	
09 91 23 00-0291	EA		>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work .....	130.54	
			<i>For Oil Based Paint, Add</i>	7.46	
			<i>For &gt;5 To 10, Deduct</i>	-6.53	
			<i>For &gt;10 To 25, Deduct</i>	-13.05	
			<i>For &gt;25, Deduct</i>	-19.58	
09 91 23 00-0292	EA		>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work .....	146.97	
			<i>For Oil Based Paint, Add</i>	8.40	
			<i>For &gt;5 To 10, Deduct</i>	-7.35	
			<i>For &gt;10 To 25, Deduct</i>	-14.70	
			<i>For &gt;25, Deduct</i>	-22.05	
09 91 23 00-0293	EA		>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work .....	157.00	
			<i>For Oil Based Paint, Add</i>	9.00	
			<i>For &gt;5 To 10, Deduct</i>	-7.85	
			<i>For &gt;10 To 25, Deduct</i>	-15.70	
			<i>For &gt;25, Deduct</i>	-23.55	
09 91 23 00-0294	SF		>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work .....	5.25	
			<i>For Oil Based Paint, Add</i>	0.30	
<b>09 91 23 00-0295</b>			<b>Paint Interior Security Screens</b> <small>(09 91 23 00-0247)</small>		
09 91 23 00-0296	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Security Screen .....	1.32	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Electrostatic Painting, Add</i>	0.18	
09 91 23 00-0297	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Security Screen .....	1.33	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Electrostatic Painting, Add</i>	0.17	
09 91 23 00-0298	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Security Screen .....	2.20	
			<i>For Oil Based Paint, Add</i>	0.13	
			<i>For Electrostatic Painting, Add</i>	0.28	
<b>09 91 23 00-0299</b>			<b>Paint Interior Window Guards</b> <small>(09 91 23 00-0247)</small>		
09 91 23 00-0300	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Guards .....	1.32	
			<i>For Oil Based Paint, Add</i>	0.08	
09 91 23 00-0301	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Guards .....	1.33	
			<i>For Oil Based Paint, Add</i>	0.08	
09 91 23 00-0302	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Guards .....	2.20	
			<i>For Oil Based Paint, Add</i>	0.13	
<b>09 91 23 00-0303</b>			<b>Paint Interior Window Trim</b> <small>(09 91 23 00-0247)</small>		
09 91 23 00-0304	LF		1 Coat Primer, Brush/Roller Work, Paint Interior Wood Window Frame And Trim .....	1.22	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.34	
09 91 23 00-0305	LF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim .....	1.22	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.34	
09 91 23 00-0306	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim .....	2.66	
			<i>For Oil Based Paint, Add</i>	0.16	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.74	
09 91 23 00-0307	LF		1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Frame And Trim .....	1.44	
			Note: Brush/roller work.		
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.43	
09 91 23 00-0308	LF		1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim .....	1.44	
			Note: Brush/roller work.		
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.43	
09 91 23 00-0309	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim .....	3.09	
			Note: Brush/roller work.		
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.91	
<b>09 91 23 00-0310</b>			<b>Paint Interior Cabinets And Casework</b> <small>(09 91 23)</small>		
<b>09 91 23 00-0311</b>			<b>Paint Interior Wood Cabinets And Casework</b> <small>(09 91 23 00-0310)</small>		
09 91 23 00-0312	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework .....	1.14	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
			<i>For &gt;20,000, Deduct</i>	-0.17	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0313 SF 1 Coat Enamel Primer And 1 Coat Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework.....	1.56	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16	
<i>For &gt;20,000, Deduct</i>	-0.23	
09 91 23 00-0314 SF 1 Coat Enamel Primer And 2 Coats Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework.....	2.51	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.25	
<i>For &gt;20,000, Deduct</i>	-0.38	
<b>09 91 23 00-0315 Paint Exposed Metal Lockers</b> <small>(09 91 23 00-0310)</small>		
09 91 23 00-0316 SF 1 Coat Primer, Brush/Roller Work, Paint Exposed Metal Locker .....	1.23	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
<i>For &gt;20,000, Deduct</i>	-0.18	
09 91 23 00-0317 SF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker.....	1.22	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
<i>For &gt;20,000, Deduct</i>	-0.18	
09 91 23 00-0318 SF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker .....	2.27	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23	
<i>For &gt;20,000, Deduct</i>	-0.34	
<b>09 91 23 00-0319 Paint Interior Stairs</b> <small>(09 91 23)</small>		
<b>09 91 23 00-0320 Paint Interior Concrete Stairs</b> <small>(09 91 23 00-0319)</small>		
Note: Includes the riser and tread.		
09 91 23 00-0321 RSR 1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) .....	15.92	
09 91 23 00-0322 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide).....	15.92	
09 91 23 00-0323 RSR 1 Coat Non Slip Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) .....	13.88	
Note: Excludes riser.		
09 91 23 00-0324 RSR 1 Coat Non Slip Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) .....	30.03	
Note: Excludes riser.		
09 91 23 00-0325 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) .....	31.84	
<b>09 91 23 00-0326 Paint Interior Metal Stairs</b> <small>(09 91 23 00-0319)</small>		
Note: Includes the riser and tread.		
09 91 23 00-0327 RSR 1 Coat Primer, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide) .....	8.80	
09 91 23 00-0328 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide).....	8.47	
09 91 23 00-0329 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide).....	16.95	
<b>09 91 23 00-0330 Paint Interior Wood Stairs</b> <small>(09 91 23 00-0319)</small>		
Note: Includes the riser and tread.		
09 91 23 00-0331 RSR 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) .....	8.19	
09 91 23 00-0332 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) .....	8.19	
09 91 23 00-0333 RSR 1 Coat Non Slip Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) .....	10.00	
Note: Excludes riser.		
09 91 23 00-0334 RSR 1 Coat Non Slip Epoxy Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) .....	26.15	
Note: Excludes riser.		
09 91 23 00-0335 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) .....	16.37	
<b>09 91 23 00-0336 Paint Interior Stair Nosing</b> <small>(09 91 23 00-0319)</small>		
09 91 23 00-0337 LF 1 Coat Paint, Up To 2", Non Slip, Brush Work, Paint Interior Yellow Stair Safety Strip .....	1.40	
<b>09 91 23 00-0338 Paint Interior Trim</b> <small>(09 91 23)</small>		
<b>09 91 23 00-0339 Paint Interior Metal Trim</b> <small>(09 91 23 00-0338)</small>		
09 91 23 00-0340 SF 1 Coat Primer, Brush Work, Paint Interior Exposed Metal Trim .....	1.11	
<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.14	
<i>Note: Applied only to work area above 15' to 20'.</i>		
<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.23	
<i>Note: Applied only to work area above 20' to 30'.</i>		
<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.36	
<i>Note: Applied only to work area above 30' to 40'.</i>		
<i>For Work &gt;40' Above Floor, Add</i>	0.50	
<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0341 SF 1 Coat Paint, Brush Work, Paint Interior Exposed Metal Trim .....	1.21	
<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.15	
<i>Note: Applied only to work area above 15' to 20'.</i>		
<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.25	
<i>Note: Applied only to work area above 20' to 30'.</i>		
<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.40	
<i>Note: Applied only to work area above 30' to 40'.</i>		
<i>For Work &gt;40' Above Floor, Add</i>	0.56	
<i>Note: Applied only to work area above 40'.</i>		

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0342	SF		2 Coats Paint, Brush Work, Paint Interior Exposed Metal Trim.....	2.17	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.45	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.71	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.98	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0343	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Exposed Metal Trim.....	0.93	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0344	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim.....	1.01	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.45	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0345	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim.....	1.82	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.36	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.57	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.79	
			<i>Note: Applied only to work area above 40'.</i>		
<b>09 91 23 00-0346</b>			<b>Paint Interior Wood Trim</b> <small>(09 91 23 00-0338)</small>		
09 91 23 00-0347	LF		1 Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide.....	0.70	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.35	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Oil Based Paint, Add</i>	0.04	
09 91 23 00-0348	LF		1 Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide.....	0.77	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.39	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Oil Based Paint, Add</i>	0.04	
09 91 23 00-0349	LF		2 Coats Paint, Brush Work, Paint Interior Wood Trim To 6" Wide.....	1.62	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.61	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.84	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Oil Based Paint, Add</i>	0.09	
09 91 23 00-0350	SF		1 Coat Primer, Brush Work, Paint Interior Wood Trim.....	2.15	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.48	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.76	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	1.05	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Oil Based Paint, Add</i>	0.12	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0351 SF 1 Coat Paint, Brush Work, Paint Interior Wood Trim.....	2.39	
For Work >15' To 20' Above Floor, Add	0.32	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.53	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.85	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.17	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.13	
09 91 23 00-0352 SF 2 Coats Paint, Brush Work, Paint Interior Wood Trim.....	4.33	
For Work >15' To 20' Above Floor, Add	0.57	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.95	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	1.52	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	2.08	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.24	
09 91 23 00-0353 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Trim.....	1.76	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.61	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.84	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.10	
09 91 23 00-0354 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Trim .....	1.97	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.43	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.68	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.94	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.11	
09 91 23 00-0355 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Trim.....	3.54	
For Work >15' To 20' Above Floor, Add	0.45	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.75	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	1.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.65	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.20	
<b>09 91 23 00-0356 Paint Additives (09 91 23)</b>		
09 91 23 00-0357 SF Mildewcide/Mold Killing Paint Additive Per Each Coat.....	0.02	
09 91 23 00-0358 SF Class "B" Fire Rating, Fire Resistant Paint Additive .....	0.07	
For Class "A" Fire Rating, Add	0.07	
<b>09 91 23 00-0359 Hand Painting Letters/Numbers (09 91 23)</b>		
Note: Painting on walls, floors, poles, signs, etc.		
09 91 23 00-0360 EA Up To 1" High, Hand Paint, Per Letter/Number .....	2.18	
09 91 23 00-0361 EA 1" To 2" High, Hand Paint, Per Letter/Number.....	2.53	
09 91 23 00-0362 EA 2" To 3" High, Hand Paint, Per Letter/Number.....	3.84	
09 91 23 00-0363 EA 3" To 4" High, Hand Paint, Per Letter/Number.....	4.69	
09 91 23 00-0364 EA 4" To 6" High, Hand Paint, Per Letter/Number.....	6.48	
09 91 23 00-0365 EA 6" To 12" High, Hand Paint, Per Letter/Number.....	8.21	
09 91 23 00-0366 EA Over 12" High, Hand Paint, Per Letter/Number .....	9.63	
<b>09 91 23 00-0367 Glove/Mitt Application (09 91 23)</b>		
<b>09 91 23 00-0368 Conduit/Pipe (09 91 23 00-0367)</b>		
09 91 23 00-0369 CSF Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt.....	41.11	
For Work >15' To 20' Above Floor, Add	5.79	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	9.64	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	15.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	21.21	
Note: Applied only to work area above 40'.		

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0370 CSF Metal Primer Conduit Or Pipe With Glove/Mitt.....	66.76	
For Work >15' To 20' Above Floor, Add	6.94	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	11.57	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	18.51	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	25.45	
Note: Applied only to work area above 40'.		
09 91 23 00-0371 CSF Enamel Paint, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt.....	52.39	
For Work >15' To 20' Above Floor, Add	5.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	8.49	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	13.58	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	18.67	
Note: Applied only to work area above 40'.		
09 91 23 00-0372 CSF Enamel Paint, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt.....	42.74	
For Work >15' To 20' Above Floor, Add	3.82	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	6.37	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	10.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	14.00	
Note: Applied only to work area above 40'.		
09 91 23 00-0373 CSF Epoxy Paint, First Coat Conduit Or Pipe With Glove/Mitt.....	80.23	
For Work >15' To 20' Above Floor, Add	5.79	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	9.64	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	15.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	21.21	
Note: Applied only to work area above 40'.		
09 91 23 00-0374 CSF Epoxy Paint, Second Coat Conduit Or Pipe With Glove/Mitt.....	73.88	
For Work >15' To 20' Above Floor, Add	5.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	8.49	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	13.58	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	18.67	
Note: Applied only to work area above 40'.		
<b>09 91 23 00-0375 Ductwork</b> (09 91 23 00-0367)		
09 91 23 00-0376 CSF Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt.....	41.11	
For Work >15' To 20' Above Floor, Add	5.79	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	9.64	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	15.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	21.21	
Note: Applied only to work area above 40'.		
09 91 23 00-0377 CSF Metal Primer Ductwork With Glove/Mitt.....	65.33	
For Work >15' To 20' Above Floor, Add	5.79	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	9.64	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	15.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	21.21	
Note: Applied only to work area above 40'.		
09 91 23 00-0378 CSF Enamel Paint, Oil Base Paint Ductwork With Glove/Mitt.....	47.60	
For Work >15' To 20' Above Floor, Add	4.63	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	7.71	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	12.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	16.97	
Note: Applied only to work area above 40'.		
09 91 23 00-0379 CSF Epoxy Paint, First Coat Ductwork With Glove/Mitt.....	77.24	
For Work >15' To 20' Above Floor, Add	5.79	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	9.64	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	15.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	21.21	
Note: Applied only to work area above 40'.		



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0380 CSF Epoxy Paint, Second Coat Ductwork With Glove/Mitt.....	67.10	
For Work >15' To 20' Above Floor, Add	4.63	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	7.71	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	12.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	16.97	
Note: Applied only to work area above 40'.		
<b>09 91 23 00-0381 Paint Interior Miscellaneous Metal Surfaces (09 91 23)</b>		
09 91 23 00-0382 SF 1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	0.76	
For Electrostatic Painting, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0383 SF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	0.91	
For Electrostatic Painting, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 23 00-0384 SF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	1.57	
For Electrostatic Painting, Add	0.20	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.32	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.51	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.70	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.00	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.31	
09 91 23 00-0385 SF 1 Coat Alkyd Anticorrosive Metal Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces.....	1.04	
For Electrostatic Painting, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
For Backroll, Add	0.13	

<b>09</b>	<b>Finishes</b>
<b>09 90</b>	<b>Painting and Coating</b>
<b>09 91</b>	<b>Painting</b>



MINOR  
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TOTAL DIRECT DEMOLITION  
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09 91 23 00-0386	SF	1 Coat Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces .....	1.04
		<i>For Electrostatic Painting, Add</i>	0.14
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.21
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.33
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.45
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.65
		<i>For &gt;100 To 250, Add</i>	0.31
		<i>For &gt;250 To 500, Add</i>	0.13
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16
		<i>For &gt;20,000, Deduct</i>	-0.21
		<i>For Backroll, Add</i>	0.13
09 91 23 00-0387	SF	2 Coats Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces.....	1.61
		<i>For Electrostatic Painting, Add</i>	0.21
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.19
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.32
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.51
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.70
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	1.00
		<i>For &gt;100 To 250, Add</i>	0.48
		<i>For &gt;250 To 500, Add</i>	0.21
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.16
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.24
		<i>For &gt;20,000, Deduct</i>	-0.32
		<i>For Backroll, Add</i>	0.21
09 91 23 00-0388	LF	1 Coat Alkyd Enamel, Cut-in Brush Work, Paint Interior Miscellaneous Exposed Metal.....	0.15
		<i>For Electrostatic Painting, Add</i>	0.02
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.02
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.03
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.05
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.07
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.09
		<i>For &gt;100 To 250, Add</i>	0.05
		<i>For &gt;250 To 500, Add</i>	0.02
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.02
		<i>For &gt;20,000, Deduct</i>	-0.03

### 09 91 33 Painting Materials (09 91)

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001	Primer <small>(09 91 33)</small>		
09 91 33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon .....	50.97
09 91 33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon .....	30.89
09 91 33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon .....	39.17
09 91 33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon.....	116.64
09 91 33 00-0006	EA	Cement Base Primer, 25 LB Sack .....	32.30
09 91 33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon.....	49.80
09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon.....	39.98
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon.....	30.89
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon.....	28.06
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon .....	49.47
09 91 33 00-0012	GAL	Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon.....	41.19
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon.....	41.19
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon .....	46.44
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon.....	30.29
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon.....	87.24
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon.....	32.30
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon .....	25.84
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon.....	66.83
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base.....	41.67
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon.....	47.02
09 91 33 00-0022	Paint <small>(09 91 33)</small>		
09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon .....	22.61
09 91 33 00-0024	GAL	Acrylic Urethane Sealer .....	112.12





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91	33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type ..... Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.	12.11	
	09 91	33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon.....	70.06	
	09 91	33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon.....	36.75	
	09 91	33 00-0028	GAL	Tar Emulsion, Driveway Coating, 120 SF Per Gallon.....	12.11	
	09 91	33 00-0029	GAL	Acrylic Latex, Driveway Coating, 250 SF Per Gallon.....	18.37	
	09 91	33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon.....	37.15	
	09 91	33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon.....	49.47	
	09 91	33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon.....	40.38	
	09 91	33 00-0033	GAL	Exterior, Flat, Oil Base.....	37.02	
	09 91	33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon.....	35.13	
	09 91	33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon.....	41.39	
	09 91	33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon.....	36.75	
	09 91	33 00-0037	GAL	Exterior, Water Base, Latex Gloss Enamel.....	52.31	
	09 91	33 00-0038	GAL	Cold Galvanizing Paint.....	326.68	
	09 91	33 00-0039	GAL	High Heat Paint.....	123.51	
	09 91	33 00-0040	GAL	Heat Resistant Paint.....	82.34	
	09 91	33 00-0041	GAL	Zinc Chromate Paint.....	74.50	
	09 91	33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart.....	29.41	
	09 91	33 00-0043	GAL	Rust Inhibitor, Ferrous Metal.....	82.34	
	09 91	33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon.....	36.75	
	09 91	33 00-0045	GAL	Alkyd Latex, Black.....	55.54	
	09 91	33 00-0046	GAL	Alkyd Latex, White.....	55.54	
	09 91	33 00-0047	GAL	Alkyd Latex, Colors.....	66.98	
	09 91	33 00-0048	QT	Wrought Iron Paint, Black.....	75.15	
	09 91	33 00-0049	GAL	Vinyl Paint.....	61.78	
	09 91	33 00-0050	GAL	Silicone Alkyd.....	75.11	
	09 91	33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy.....	76.32	
	09 91	33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy.....	95.70	
	09 91	33 00-0053	GAL	Chlorinated Rubber.....	70.26	
	09 91	33 00-0054	GAL	Polyamide Epoxy Sealer.....	72.68	
	09 91	33 00-0055	GAL	Coal Tar Epoxy.....	52.09	
	09 91	33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon.....	65.01	
	09 91	33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base.....	84.80	
	09 91	33 00-0058	GAL	Swimming Pool Rubber Base.....	58.15	
	09 91	33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon.....	36.95	
	09 91	33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon.....	41.39	
	09 91	33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon.....	75.71	
	09 91	33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon.....	25.64	
	09 91	33 00-0063	GAL	Linseed Oil.....	22.41	
	09 91	33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon.....	36.75	
	09 91	33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon.....	41.39	
	09 91	33 00-0066	GAL	Textured Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon.....	37.86	
	09 91	33 00-0067	GAL	Acoustic Spray-On Texture, Finish.....	30.42	
	09 91	33 00-0068		<b>Stain, Varnish</b> <small>(09 91 33)</small>		
	09 91	33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon.....	21.00	
	09 91	33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon.....	39.17	
	09 91	33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon.....	34.93	
	09 91	33 00-0072	GAL	Varnish, Clear.....	39.36	
	09 91	33 00-0073	GAL	Penetrating Water-Repellent Stain.....	28.59	
	09 91	33 00-0074	GAL	Redwood Hue Or Clear Stain.....	25.55	
	09 91	33 00-0075	GAL	Polyurethane.....	44.85	
	09 91	33 00-0076	GAL	Lacquer, Semi-Gloss.....	36.85	
	09 91	33 00-0077	GAL	Shellac, Clear.....	48.35	
	09 91	33 00-0078	GAL	Acetone.....	15.95	
	09 91	33 00-0079	GAL	Paint Thinner.....	3.94	
	09 91	33 00-0080	GAL	Shellac Or Lacquer Thinner.....	16.15	
	09 91	33 00-0081	GAL	Turpentine.....	22.21	
	09 91	33 00-0082	GAL	Wood Filler Paste.....	37.96	
	09 91	33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon.....	30.29	
	09 91	33 00-0084	GAL	Waterbased Alkyd Urethane (Sherwin Williams B53W01153).....	95.73	
	09 91	43		<b>Surface Preparation</b> <small>(09 91)</small>		
				See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.		
	09 91	43 00-0001		<b>Protection Of Surfaces</b> <small>(09 91 43)</small>		
	09 91	43 00-0002	SF	Drop Cloths..... Note: Remove after use.	0.37	
	09 91	43 00-0003	LF	Painter Masking Tape..... Note: Remove after use.	0.25	
	09 93			<b>Staining and Transparent Finishing</b> <small>(09 90)</small>		
				Note: Includes light sanding or screening between coats.		
	09 93	13		<b>Exterior Staining and Finishing</b> <small>(09 93)</small>		
	09 93	13 53		<b>Exterior Finishing</b> <small>(09 93 13)</small>		

<b>09</b>	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 93 Staining and Transparent Finishing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 93 13 53-0001 Stain Sealer</b> <small>(09 93 13 53)</small> Note: Measured by surface area of wall or ceiling.		
09 93 13 53-0002 SF Stain Sealer, Brush Work.....	0.86	
For Ceiling Work, Add	0.11	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 93 13 53-0003 SF Stain Sealer, Brush/Roller Work .....	0.69	
For Ceiling Work, Add	0.09	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.04	
For >20,000, Deduct	-0.06	
09 93 13 53-0004 SF Stain Sealer, Sprayed.....	0.28	
For Ceiling Work, Add	0.03	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
<b>09 93 23 Interior Staining and Finishing</b> <small>(09 93)</small> Note: VOC compliant in all regulated areas, review specifications for levels.		
<b>09 93 23 13 Interior Staining</b> <small>(09 93 23)</small>		
<b>09 93 23 13-0001 Stain Wood Trim</b> <small>(09 93 23 13)</small>		
09 93 23 13-0002 LF Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off.....	1.04	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >4,000, Deduct	-0.05	
09 93 23 13-0003 SF Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off.....	1.54	
For Up To 100, Add	1.08	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >4,000, Deduct	-0.08	
<b>09 93 23 13-0004 Stain Wood Floor</b> <small>(09 93 23 13)</small>		
09 93 23 13-0005 SF Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work.....	0.50	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >4,000, Deduct	-0.03	
09 93 23 13-0006 SF Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work .....	0.38	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >4,000, Deduct	-0.02	
<b>09 93 23 13-0007 Stain Wood Door And Window</b> <small>(09 93 23 13)</small>		
09 93 23 13-0008 EA Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face) .....	49.83	
For Up To 4, Add	36.17	
For >4 To 10, Add	16.94	
For >10 To 20, Add	7.27	
For >160, Deduct	-2.49	
09 93 23 13-0009 EA Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face).....	35.72	
For Up To 4, Add	25.03	
For >4 To 10, Add	11.77	
For >10 To 20, Add	5.06	
For >160, Deduct	-1.79	
<b>09 93 23 13-0010 Stain Wood Cabinet</b> <small>(09 93 23 13)</small>		
09 93 23 13-0011 SF Stain Cabinet, 1 Coat Stain With Brush And Wipe.....	1.25	
<b>09 93 23 53 Interior Finishing</b> <small>(09 93 23)</small>		
<b>09 93 23 53-0001 Concrete Finishes</b> <small>(09 93 23 53)</small>		
09 93 23 53-0002 SF Finish Concrete Floor, 1 Coat Polyurethane .....	0.76	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >4,000, Deduct	-0.04	
<b>09 93 23 53-0003 Wood Trim Finishes</b> <small>(09 93 23 53)</small>		
09 93 23 53-0004 SF Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane.....	1.28	
For Up To 100, Add	0.83	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >4,000, Deduct	-0.06	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Staining and Transparent Finishing	09 93	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0005 SF Finish Wood Trim, 1 Coat Varnish Or Polyurethane .....	0.84	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >4,000, Deduct	-0.04	
<b>09 93 23 53-0006 Wood Floor Finishes (09 93 23 53)</b>		
09 93 23 53-0007 SF Refinish Wood Floor, 2 Coats Polyurethane .....	3.08	
Note: Includes sanding existing floor.		
For Up To 100, Add	2.18	
For >100 To 250, Add	1.02	
For >250 To 500, Add	0.44	
For >4,000, Deduct	-0.15	
09 93 23 53-0008 SF Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work .....	0.65	
Note: Includes screening between coats.		
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >4,000, Deduct	-0.03	
09 93 23 53-0009 SF Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane .....	3.48	
Note: Includes sanding existing floor.		
For Up To 100, Add	2.45	
For >100 To 250, Add	1.15	
For >250 To 500, Add	0.50	
For >4,000, Deduct	-0.17	
<b>09 93 23 53-0010 Wood Door And Window Finishes (09 93 23 53)</b>		
See CSI section 08 14 16 00-0627 for factory finish.		
09 93 23 53-0011 EA Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face) .....	36.02	
For Up To 4, Add	26.07	
For >4 To 10, Add	12.21	
For >10 To 20, Add	5.25	
For >160, Deduct	-1.80	
09 93 23 53-0012 EA Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face) .....	109.60	
For Up To 4, Add	77.85	
For >4 To 10, Add	36.55	
For >10 To 20, Add	15.72	
For >160, Deduct	-5.48	
<b>09 93 23 53-0013 Cabinet Finishes (09 93 23 53)</b>		
09 93 23 53-0014 SF Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane .....	1.26	
<b>09 93 23 53-0015 Gym, Stage And Dance Floor Finishes (09 93 23 53)</b>		
09 93 23 53-0016 SF Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor .....	1.54	
Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.		
09 93 23 53-0017 SF Finish New Elementary School Wood Gym, Stage Or Dance Floor .....	3.68	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.07	
09 93 23 53-0018 SF Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor .....	3.75	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.08	
09 93 23 53-0019 SF Finish New High School Wood Gym, Stage Or Dance Floor .....	3.83	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.08	
09 93 23 53-0020 SF Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor .....	3.68	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.07	
09 93 23 53-0021 SF Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor .....	3.75	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.08	
09 93 23 53-0022 SF Refinish Existing High School Wood Gym, Stage Or Dance Floor .....	3.83	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.08	
09 93 23 53-0023 LF Paint Game Lines, 2 Coats Paint, 1 Coat Urethane Finish .....	0.67	
09 93 23 53-0024 SF Paint Solid Court Area, 2 Coats Paint, 1 Coat Urethane Finish .....	1.65	

09 96 High-Performance Coatings (09 90)

<b>09</b>	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 96 High-Performance Coatings</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**09 96 23 Graffiti-Resistant Coatings (09 96)**

<b>09 96 23 00-0001</b>	<b>Anti-Graffiti Coating (09 96 23)</b>	
09 96 23 00-0002	SF Sacrificial Anti-Graffiti Coating, Per Coat.....	1.34
	<i>For Up To 100, Add</i>	0.78
	<i>For &gt;100 To 250, Add</i>	0.38
	<i>For &gt;250 To 500, Add</i>	0.16
09 96 23 00-0003	SF Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat.....	1.43
	<i>For Up To 100, Add</i>	0.80
	<i>For &gt;100 To 250, Add</i>	0.39
	<i>For &gt;250 To 500, Add</i>	0.17

**09 96 53 Elastomeric Coatings (09 96)**

<b>09 96 53 00-0001</b>	<b>Elastomeric (09 96 53)</b>	
	Note: Per coat.	
09 96 53 00-0002	SF 1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Walls And Floors.....	0.80
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09
	<i>Note: Applied only to work area above 15' to 20'.</i>	
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.16
	<i>Note: Applied only to work area above 20'.</i>	
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.25
	<i>Note: Applied only to work area above 30' to 40'.</i>	
	<i>For Work &gt;40' Above Floor, Add</i>	0.35
	<i>Note: Applied only to work area above 40'.</i>	
	<i>For Up To 100, Add</i>	0.50
	<i>For &gt;100 To 250, Add</i>	0.24
	<i>For &gt;250 To 500, Add</i>	0.10
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12
	<i>For &gt;20,000, Deduct</i>	-0.16
09 96 53 00-0003	SF 1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors.....	0.69
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08
	<i>Note: Applied only to work area above 15' to 20'.</i>	
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.13
	<i>Note: Applied only to work area above 20'.</i>	
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.21
	<i>Note: Applied only to work area above 30' to 40'.</i>	
	<i>For Work &gt;40' Above Floor, Add</i>	0.29
	<i>Note: Applied only to work area above 40'.</i>	
	<i>For Up To 100, Add</i>	0.42
	<i>For &gt;100 To 250, Add</i>	0.20
	<i>For &gt;250 To 500, Add</i>	0.09
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10
	<i>For &gt;20,000, Deduct</i>	-0.14
09 96 53 00-0004	SF 1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Walls And Floors.....	0.61
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.06
	<i>Note: Applied only to work area above 15' to 20'.</i>	
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.10
	<i>Note: Applied only to work area above 20'.</i>	
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.16
	<i>Note: Applied only to work area above 30' to 40'.</i>	
	<i>For Work &gt;40' Above Floor, Add</i>	0.22
	<i>Note: Applied only to work area above 40'.</i>	
	<i>For Up To 100, Add</i>	0.33
	<i>For &gt;100 To 250, Add</i>	0.16
	<i>For &gt;250 To 500, Add</i>	0.07
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09
	<i>For &gt;20,000, Deduct</i>	-0.12
09 96 53 00-0005	SF 1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Walls And Floors.....	1.79
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11
	<i>Note: Applied only to work area above 15' to 20'.</i>	
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18
	<i>Note: Applied only to work area above 20'.</i>	
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.29
	<i>Note: Applied only to work area above 30' to 40'.</i>	
	<i>For Work &gt;40' Above Floor, Add</i>	0.40
	<i>Note: Applied only to work area above 40'.</i>	
	<i>For Up To 100, Add</i>	0.71
	<i>For &gt;100 To 250, Add</i>	0.36
	<i>For &gt;250 To 500, Add</i>	0.16
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.18
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.27
	<i>For &gt;20,000, Deduct</i>	-0.36



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
High-Performance Coatings	09 96	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0006 SF 1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors .....	1.68	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.34	
09 96 53 00-0007 SF 1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Walls And Floors .....	1.89	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.38	
09 96 53 00-0008 SF 1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead.....	0.90	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 96 53 00-0009 SF 1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead .....	0.77	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	
09 96 53 00-0010 SF 1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead.....	0.67	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	

**09 Finishes****09 90 Painting and Coating****09 96 High-Performance Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0011	SF		1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead .....	1.91	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.47	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.80	
			<i>For &gt;100 To 250, Add</i>	0.40	
			<i>For &gt;250 To 500, Add</i>	0.18	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.19	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.29	
			<i>For &gt;20,000, Deduct</i>	-0.38	
09 96 53 00-0012	SF		1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead.....	1.78	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.70	
			<i>For &gt;100 To 250, Add</i>	0.36	
			<i>For &gt;250 To 500, Add</i>	0.16	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.18	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.27	
			<i>For &gt;20,000, Deduct</i>	-0.36	
09 96 53 00-0013	SF		1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead.....	1.97	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.62	
			<i>For &gt;100 To 250, Add</i>	0.33	
			<i>For &gt;250 To 500, Add</i>	0.15	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.20	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.30	
			<i>For &gt;20,000, Deduct</i>	-0.39	
<b>09 96 56</b>			<b>Epoxy Coatings (09 96)</b>		
09 96 56 00-0001			High Build Epoxy (09 96 56)		
09 96 56 00-0002	SF		50 Mil, High Build Epoxy .....	2.82	
09 96 56 00-0003			Laminated Epoxy With Fiberglass (09 96 56)		
09 96 56 00-0004	SF		Laminated Epoxy With Fiberglass.....	5.25	
<b>09 96 66</b>			<b>Aggregate Wall Coatings (09 96)</b>		
09 96 66 00-0001			Troweled On (09 96 66)		
09 96 66 00-0002	SF		Exposed Aggregate - 1/16" To 1/4" - Troweled On.....	4.05	
09 96 66 00-0003	SF		Exposed Aggregate - 1/2" To 5/8" Troweled On .....	7.24	
09 96 66 00-0004	SF		Exposed Aggregate - 1" Troweled On.....	10.85	
09 96 66 00-0005			Sprayed On (09 96 66)		
09 96 66 00-0006	SF		Exposed Aggregate - 1/8" - Sprayed On.....	3.31	
09 97			Special Coatings (09 90)		
<b>09 97 13</b>			<b>Steel Coatings (09 97)</b>		
<b>09 97 13 23</b>			<b>Exterior Steel Coatings (09 97 13)</b>		
			Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.		
09 97 13 23-0001			Surface Preparation For Structural Steel (09 97 13 23)		
			Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.		



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting and Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 97 13 23-0002	<b>SSPC SP2 Hand Tool Cleaning Surface Preparation For Structural Steel</b> <sup>(09 97 13 23-0001)</sup> Note: Hand Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 2 or ISO 8501-1 St 3.	
09 97 13 23-0003	SF Type 1 Structural Steel SP2 Hand Tool Cleaning Surface Preparation ..... 1.36 <i>For Up To 100, Add</i> 1.02 <i>For &gt;100 To 250, Add</i> 0.48 <i>For &gt;250 To 500, Add</i> 0.20	
09 97 13 23-0004	SF Type 2 Structural Steel SP2 Hand Tool Cleaning Surface Preparation ..... 1.30 <i>For Up To 100, Add</i> 0.98 <i>For &gt;100 To 250, Add</i> 0.46 <i>For &gt;250 To 500, Add</i> 0.20	
09 97 13 23-0005	SF Type 3 Structural Steel SP2 Hand Tool Cleaning Surface Preparation ..... 1.30 <i>For Up To 100, Add</i> 0.98 <i>For &gt;100 To 250, Add</i> 0.46 <i>For &gt;250 To 500, Add</i> 0.20	
09 97 13 23-0006	SF Up To 14" Diameter Pipe SP2 Hand Tool Cleaning Surface Preparation ..... 1.77 <i>For Up To 100, Add</i> 1.33 <i>For &gt;100 To 250, Add</i> 0.62 <i>For &gt;250 To 500, Add</i> 0.27	
09 97 13 23-0007	<b>SSPC SP3 Power Tool Cleaning Surface Preparation For Structural Steel</b> <sup>(09 97 13 23-0001)</sup> Note: Power Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 3 or ISO 8501-1 St 3.	
09 97 13 23-0008	SF Type 1 Structural Steel SP3 Power Tool Cleaning Surface Preparation ..... 1.57 <i>For Up To 100, Add</i> 1.18 <i>For &gt;100 To 250, Add</i> 0.55 <i>For &gt;250 To 500, Add</i> 0.24	
09 97 13 23-0009	SF Type 2 Structural Steel SP3 Power Tool Cleaning Surface Preparation ..... 1.50 <i>For Up To 100, Add</i> 1.13 <i>For &gt;100 To 250, Add</i> 0.53 <i>For &gt;250 To 500, Add</i> 0.23	
09 97 13 23-0010	SF Type 3 Structural Steel SP3 Power Tool Cleaning Surface Preparation ..... 1.50 <i>For Up To 100, Add</i> 1.13 <i>For &gt;100 To 250, Add</i> 0.53 <i>For &gt;250 To 500, Add</i> 0.23	
09 97 13 23-0011	SF Up To 14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation ..... 2.04 <i>For Up To 100, Add</i> 1.53 <i>For &gt;100 To 250, Add</i> 0.71 <i>For &gt;250 To 500, Add</i> 0.31	
09 97 13 23-0012	SF >14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation ..... 1.84 <i>For Up To 100, Add</i> 1.38 <i>For &gt;100 To 250, Add</i> 0.64 <i>For &gt;250 To 500, Add</i> 0.28	
09 97 13 23-0013	<b>SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel</b> <sup>(09 97 13 23-0001)</sup> Note: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust and loose paint. Tightly adherent mill scale, rust and paint may remain on the surface. Mill scale, rust and coating are considered adherent if they cannot be removed by lifting with a dull putty knife after abrasive blast cleaning has been performed. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP11	
09 97 13 23-0014	SF Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation ..... 0.98 <i>For Up To 100, Add</i> 0.68 <i>For &gt;100 To 250, Add</i> 0.32 <i>For &gt;250 To 500, Add</i> 0.14	
09 97 13 23-0015	SF Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation ..... 0.86 <i>For Up To 100, Add</i> 0.59 <i>For &gt;100 To 250, Add</i> 0.28 <i>For &gt;250 To 500, Add</i> 0.12	
09 97 13 23-0016	SF Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation ..... 0.85 <i>For Up To 100, Add</i> 0.59 <i>For &gt;100 To 250, Add</i> 0.28 <i>For &gt;250 To 500, Add</i> 0.12	
09 97 13 23-0017	SF Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation ..... 1.21 <i>For Up To 100, Add</i> 0.85 <i>For &gt;100 To 250, Add</i> 0.40 <i>For &gt;250 To 500, Add</i> 0.17	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 97 13 23-0018	<b>SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel</b> <small>(09 97 13 23-0001)</small>	
	Note: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 33% of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE 3 or ISO 8501-1 Sa 2.	
09 97 13 23-0019	SF Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.51
	For Up To 100, Add	1.77
	For >100 To 250, Add	0.83
	For >250 To 500, Add	0.36
09 97 13 23-0020	SF Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.19
	For Up To 100, Add	1.53
	For >100 To 250, Add	0.72
	For >250 To 500, Add	0.31
09 97 13 23-0021	SF Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.03
	For Up To 100, Add	1.41
	For >100 To 250, Add	0.67
	For >250 To 500, Add	0.29
09 97 13 23-0022	SF Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation.....	3.14
	For Up To 100, Add	2.24
	For >100 To 250, Add	1.05
	For >250 To 500, Add	0.45
09 97 13 23-0023	<b>SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel</b> <small>(09 97 13 23-0001)</small>	
	Note: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP5/NACE 1 or ISO 8501-1 Sa 3.	
09 97 13 23-0024	SF Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.87
	For Up To 100, Add	3.46
	For >100 To 250, Add	1.62
	For >250 To 500, Add	0.70
09 97 13 23-0025	SF Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.18
	For Up To 100, Add	2.96
	For >100 To 250, Add	1.39
	For >250 To 500, Add	0.60
09 97 13 23-0026	SF Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	3.84
	For Up To 100, Add	2.70
	For >100 To 250, Add	1.27
	For >250 To 500, Add	0.55
09 97 13 23-0027	SF Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation.....	5.88
	For Up To 100, Add	4.22
	For >100 To 250, Add	1.98
	For >250 To 500, Add	0.85
09 97 13 23-0028	<b>SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel</b> <small>(09 97 13 23-0001)</small>	
	Note: A Near-White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP10/NACE 2 or ISO 8501-1 Sa 2.5.	
09 97 13 23-0029	SF Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation .....	3.63
	For Up To 100, Add	2.57
	For >100 To 250, Add	1.21
	For >250 To 500, Add	0.52
09 97 13 23-0030	SF Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation .....	3.09
	For Up To 100, Add	2.18
	For >100 To 250, Add	1.02
	For >250 To 500, Add	0.44
09 97 13 23-0031	SF Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation .....	2.92
	For Up To 100, Add	2.05
	For >100 To 250, Add	0.96
	For >250 To 500, Add	0.42
09 97 13 23-0032	SF Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation .....	4.28
	For Up To 100, Add	3.07
	For >100 To 250, Add	1.44
	For >250 To 500, Add	0.62
09 97 13 23-0033	<b>Protective Coatings For Tanks And Structural Steel</b> <small>(09 97 13 23)</small>	
	Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.	
09 97 13 23-0034	<b>1.5 Mil Prime Coat For Structural Steel</b> <small>(09 97 13 23-0033)</small>	





<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0035 SF Spray Type 1 Structural Steel 1.5 Mil Prime Coat.....	1.04	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
09 97 13 23-0036 SF Spray Type 2 Structural Steel 1.5 Mil Prime Coat.....	0.78	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
09 97 13 23-0037 SF Spray Type 3 Structural Steel 1.5 Mil Prime Coat.....	0.70	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
09 97 13 23-0038 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat .....	1.25	
For Up To 100, Add	0.83	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
09 97 13 23-0039 SF Brush Type 1 Structural Steel 1.5 Mil Prime Coat.....	1.32	
For Up To 100, Add	0.88	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
09 97 13 23-0040 SF Brush Type 2 Structural Steel 1.5 Mil Prime Coat.....	0.98	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
09 97 13 23-0041 SF Brush Type 3 Structural Steel 1.5 Mil Prime Coat.....	0.88	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
09 97 13 23-0042 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat .....	1.59	
For Up To 100, Add	1.08	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
<b>09 97 13 23-0043 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel</b> (09 97 13 23-0033)		
09 97 13 23-0044 SF Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.08	
For Up To 100, Add	1.97	
For >100 To 250, Add	0.94	
For >250 To 500, Add	0.41	
09 97 13 23-0045 SF Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.25	
For Up To 100, Add	1.38	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.29	
09 97 13 23-0046 SF Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.09	
For Up To 100, Add	1.26	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
09 97 13 23-0047 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.73	
For Up To 100, Add	2.44	
For >100 To 250, Add	1.16	
For >250 To 500, Add	0.50	
09 97 13 23-0048 SF Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.32	
For Up To 100, Add	1.48	
For >100 To 250, Add	0.70	
For >250 To 500, Add	0.31	
09 97 13 23-0049 SF Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.69	
For Up To 100, Add	1.03	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
09 97 13 23-0050 SF Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.57	
For Up To 100, Add	0.94	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
09 97 13 23-0051 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.79	
For Up To 100, Add	1.83	
For >100 To 250, Add	0.87	
For >250 To 500, Add	0.37	
09 97 13 23-0052 SF Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	4.21	
For Up To 100, Add	2.82	
For >100 To 250, Add	1.33	
For >250 To 500, Add	0.57	
09 97 13 23-0053 SF Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.02	
For Up To 100, Add	1.95	
For >100 To 250, Add	0.93	
For >250 To 500, Add	0.40	
09 97 13 23-0054 SF Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.79	
For Up To 100, Add	1.78	
For >100 To 250, Add	0.85	
For >250 To 500, Add	0.37	
09 97 13 23-0055 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	5.13	
For Up To 100, Add	3.49	
For >100 To 250, Add	1.65	
For >250 To 500, Add	0.71	

**09 Finishes**

**09 90 Painting and Coating**

**09 97 Special Coatings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0056	SF		Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	3.15	
			<i>For Up To 100, Add</i>	2.10	
			<i>For &gt;100 To 250, Add</i>	1.00	
			<i>For &gt;250 To 500, Add</i>	0.43	
09 97 13 23-0057	SF		Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	2.26	
			<i>For Up To 100, Add</i>	1.46	
			<i>For &gt;100 To 250, Add</i>	0.69	
			<i>For &gt;250 To 500, Add</i>	0.30	
09 97 13 23-0058	SF		Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	2.09	
			<i>For Up To 100, Add</i>	1.33	
			<i>For &gt;100 To 250, Add</i>	0.63	
			<i>For &gt;250 To 500, Add</i>	0.27	
09 97 13 23-0059	SF		Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	3.84	
			<i>For Up To 100, Add</i>	2.62	
			<i>For &gt;100 To 250, Add</i>	1.23	
			<i>For &gt;250 To 500, Add</i>	0.53	
<b>09 97 13 23-0060</b>			<b>Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel</b> <small>(09 97 13 23-0033)</small>		
09 97 13 23-0061	SF		Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	2.38	
			<i>For Up To 100, Add</i>	1.53	
			<i>For &gt;100 To 250, Add</i>	0.73	
			<i>For &gt;250 To 500, Add</i>	0.32	
09 97 13 23-0062	SF		Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.95	
			<i>For Up To 100, Add</i>	1.23	
			<i>For &gt;100 To 250, Add</i>	0.59	
			<i>For &gt;250 To 500, Add</i>	0.25	
09 97 13 23-0063	SF		Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.79	
			<i>For Up To 100, Add</i>	1.11	
			<i>For &gt;100 To 250, Add</i>	0.53	
			<i>For &gt;250 To 500, Add</i>	0.23	
09 97 13 23-0064	SF		Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	2.94	
			<i>For Up To 100, Add</i>	1.95	
			<i>For &gt;100 To 250, Add</i>	0.92	
			<i>For &gt;250 To 500, Add</i>	0.40	
09 97 13 23-0065	SF		Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.53	
			<i>For Up To 100, Add</i>	0.99	
			<i>For &gt;100 To 250, Add</i>	0.47	
			<i>For &gt;250 To 500, Add</i>	0.20	
09 97 13 23-0066	SF		Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.25	
			<i>For Up To 100, Add</i>	0.79	
			<i>For &gt;100 To 250, Add</i>	0.38	
			<i>For &gt;250 To 500, Add</i>	0.16	
09 97 13 23-0067	SF		Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.14	
			<i>For Up To 100, Add</i>	0.71	
			<i>For &gt;100 To 250, Add</i>	0.34	
			<i>For &gt;250 To 500, Add</i>	0.15	
09 97 13 23-0068	SF		Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.88	
			<i>For Up To 100, Add</i>	1.25	
			<i>For &gt;100 To 250, Add</i>	0.59	
			<i>For &gt;250 To 500, Add</i>	0.26	
09 97 13 23-0069	SF		Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	3.01	
			<i>For Up To 100, Add</i>	2.01	
			<i>For &gt;100 To 250, Add</i>	0.95	
			<i>For &gt;250 To 500, Add</i>	0.41	
09 97 13 23-0070	SF		Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	2.45	
			<i>For Up To 100, Add</i>	1.61	
			<i>For &gt;100 To 250, Add</i>	0.76	
			<i>For &gt;250 To 500, Add</i>	0.33	
09 97 13 23-0071	SF		Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	2.24	
			<i>For Up To 100, Add</i>	1.45	
			<i>For &gt;100 To 250, Add</i>	0.69	
			<i>For &gt;250 To 500, Add</i>	0.30	
09 97 13 23-0072	SF		Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	3.74	
			<i>For Up To 100, Add</i>	2.55	
			<i>For &gt;100 To 250, Add</i>	1.20	
			<i>For &gt;250 To 500, Add</i>	0.52	
09 97 13 23-0073	SF		Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.93	
			<i>For Up To 100, Add</i>	1.29	
			<i>For &gt;100 To 250, Add</i>	0.61	
			<i>For &gt;250 To 500, Add</i>	0.26	
09 97 13 23-0074	SF		Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.57	
			<i>For Up To 100, Add</i>	1.03	
			<i>For &gt;100 To 250, Add</i>	0.49	
			<i>For &gt;250 To 500, Add</i>	0.21	
09 97 13 23-0075	SF		Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.43	
			<i>For Up To 100, Add</i>	0.93	
			<i>For &gt;100 To 250, Add</i>	0.44	
			<i>For &gt;250 To 500, Add</i>	0.19	
09 97 13 23-0076	SF		Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	2.40	
			<i>For Up To 100, Add</i>	1.64	
			<i>For &gt;100 To 250, Add</i>	0.77	
			<i>For &gt;250 To 500, Add</i>	0.33	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 97 13 23-0077      2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel</b> <small>(09 97 13 23-0033)</small>		
09 97 13 23-0078    SF    Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	3.99	
For Up To 100, Add	2.30	
For >100 To 250, Add	1.11	
For >250 To 500, Add	0.48	
09 97 13 23-0079    SF    Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.94	
For Up To 100, Add	1.58	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.34	
09 97 13 23-0080    SF    Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.62	
For Up To 100, Add	1.34	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.29	
09 97 13 23-0081    SF    Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	4.50	
For Up To 100, Add	2.66	
For >100 To 250, Add	1.28	
For >250 To 500, Add	0.56	
09 97 13 23-0082    SF    Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.79	
For Up To 100, Add	1.61	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.34	
09 97 13 23-0083    SF    Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.05	
For Up To 100, Add	1.10	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	
09 97 13 23-0084    SF    Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	1.83	
For Up To 100, Add	0.93	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
09 97 13 23-0085    SF    Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	3.15	
For Up To 100, Add	1.86	
For >100 To 250, Add	0.89	
For >250 To 500, Add	0.39	
 <b>09 97 13 23-0086      2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel</b> <small>(09 97 13 23-0033)</small>		
09 97 13 23-0087    SF    Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	4.31	
For Up To 100, Add	2.34	
For >100 To 250, Add	1.14	
For >250 To 500, Add	0.50	
09 97 13 23-0088    SF    Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	3.24	
For Up To 100, Add	1.62	
For >100 To 250, Add	0.80	
For >250 To 500, Add	0.35	
09 97 13 23-0089    SF    Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	2.92	
For Up To 100, Add	1.38	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.30	
09 97 13 23-0090    SF    Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	4.83	
For Up To 100, Add	2.70	
For >100 To 250, Add	1.31	
For >250 To 500, Add	0.57	
09 97 13 23-0091    SF    Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats .....	3.54	
For Up To 100, Add	1.92	
For >100 To 250, Add	0.93	
For >250 To 500, Add	0.41	
09 97 13 23-0092    SF    Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats .....	2.65	
For Up To 100, Add	1.33	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.29	
09 97 13 23-0093    SF    Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats .....	2.39	
For Up To 100, Add	1.13	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.25	
09 97 13 23-0094    SF    Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats .....	3.97	
For Up To 100, Add	2.22	
For >100 To 250, Add	1.07	
For >250 To 500, Add	0.47	
 <b>09 97 13 23-0095      1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel</b> <small>(09 97 13 23-0033)</small>		
09 97 13 23-0096    SF    Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats .....	8.98	
For Up To 100, Add	5.03	
For >100 To 250, Add	2.43	
For >250 To 500, Add	1.06	
09 97 13 23-0097    SF    Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats .....	6.87	
For Up To 100, Add	3.62	
For >100 To 250, Add	1.77	
For >250 To 500, Add	0.78	

**09 Finishes****09 90 Painting and Coating****09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0098	SF		Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	6.64	
			For Up To 100, Add	3.45	
			For >100 To 250, Add	1.69	
			For >250 To 500, Add	0.74	
09 97 13 23-0099	SF		Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	10.37	
			For Up To 100, Add	6.03	
			For >100 To 250, Add	2.90	
			For >250 To 500, Add	1.26	
<b>09 97 13 23-0100</b>			<b>1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel</b> <small>(09 97 13 23-0033)</small>		
09 97 13 23-0101	SF		Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.78	
			For Up To 100, Add	2.46	
			For >100 To 250, Add	1.20	
			For >250 To 500, Add	0.53	
09 97 13 23-0102	SF		Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	3.83	
			For Up To 100, Add	1.75	
			For >100 To 250, Add	0.87	
			For >250 To 500, Add	0.39	
09 97 13 23-0103	SF		Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	3.68	
			For Up To 100, Add	1.64	
			For >100 To 250, Add	0.82	
			For >250 To 500, Add	0.37	
09 97 13 23-0104	SF		Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	5.39	
			For Up To 100, Add	2.88	
			For >100 To 250, Add	1.40	
			For >250 To 500, Add	0.61	
09 97 13 23-0105	SF		Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	3.78	
			For Up To 100, Add	1.94	
			For >100 To 250, Add	0.95	
			For >250 To 500, Add	0.42	
09 97 13 23-0106	SF		Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	3.04	
			For Up To 100, Add	1.39	
			For >100 To 250, Add	0.69	
			For >250 To 500, Add	0.31	
09 97 13 23-0107	SF		Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	2.91	
			For Up To 100, Add	1.29	
			For >100 To 250, Add	0.65	
			For >250 To 500, Add	0.29	
09 97 13 23-0108	SF		Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats.....	4.27	
			For Up To 100, Add	2.28	
			For >100 To 250, Add	1.11	
			For >250 To 500, Add	0.49	
<b>09 97 13 23-0109</b>			<b>Two 8 Mil Coal Tar Epoxy Coats For Structural Steel</b> <small>(09 97 13 23-0033)</small>		
09 97 13 23-0110	SF		Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.97	
			For Up To 100, Add	2.34	
			For >100 To 250, Add	1.12	
			For >250 To 500, Add	0.49	
09 97 13 23-0111	SF		Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.25	
			For Up To 100, Add	1.86	
			For >100 To 250, Add	0.90	
			For >250 To 500, Add	0.39	
09 97 13 23-0112	SF		Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.01	
			For Up To 100, Add	1.68	
			For >100 To 250, Add	0.81	
			For >250 To 500, Add	0.35	
09 97 13 23-0113	SF		Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats.....	4.87	
			For Up To 100, Add	2.99	
			For >100 To 250, Add	1.43	
			For >250 To 500, Add	0.62	
<b>09 97 13 23-0114</b>			<b>One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel</b> <small>(09 97 13 23-0033)</small>		
09 97 13 23-0115	SF		Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.80	
			For Up To 100, Add	2.36	
			For >100 To 250, Add	1.13	
			For >250 To 500, Add	0.49	
09 97 13 23-0116	SF		Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.72	
			For Up To 100, Add	1.58	
			For >100 To 250, Add	0.76	
			For >250 To 500, Add	0.33	
09 97 13 23-0117	SF		Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.33	
			For Up To 100, Add	1.29	
			For >100 To 250, Add	0.63	
			For >250 To 500, Add	0.27	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0118 SF Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	4.32	
For Up To 100, Add	2.72	
For >100 To 250, Add	1.29	
For >250 To 500, Add	0.56	
<b>09 97 13 23-0119 One 3 Mil High Zinc Silicate Coat For Structural Steel (09 97 13 23-0033)</b>		
09 97 13 23-0120 SF Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat.....	2.10	
For Up To 100, Add	1.07	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
09 97 13 23-0121 SF Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.56	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.16	
09 97 13 23-0122 SF Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.48	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.15	
09 97 13 23-0123 SF Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat .....	2.21	
For Up To 100, Add	1.14	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
<b>09 97 13 23-0124 Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel (09 97 13 23-0033)</b>		
Note: Installed over existing primer.		
09 97 13 23-0125 SF Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	3.18	
For Up To 100, Add	1.80	
For >100 To 250, Add	0.87	
For >250 To 500, Add	0.38	
09 97 13 23-0126 SF Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.62	
For Up To 100, Add	1.43	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.30	
09 97 13 23-0127 SF Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.30	
For Up To 100, Add	1.19	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.26	
09 97 13 23-0128 SF Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats.....	3.68	
For Up To 100, Add	2.15	
For >100 To 250, Add	1.04	
For >250 To 500, Add	0.45	
<b>09 97 13 24 Steel Water Storage Tank Painting (09 97 13)</b>		
09 97 13 24-0001 Surface Preparation For Tanks (09 97 13 24)		
Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
09 97 13 24-0002 SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0003 SF Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	1.30	
For Up To 100, Add	0.98	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
09 97 13 24-0004 SF Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	1.16	
For Up To 100, Add	0.87	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.17	
09 97 13 24-0005 SF Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	1.63	
For Up To 100, Add	1.22	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.24	
09 97 13 24-0006 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0007 SF Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation .....	0.82	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
09 97 13 24-0008 SF Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation .....	0.66	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
09 97 13 24-0009 SF Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation .....	1.16	
For Up To 100, Add	0.83	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
09 97 13 24-0010 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0011 SF Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation.....	2.02	
For Up To 100, Add	1.41	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.29	
09 97 13 24-0012 SF Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation .....	1.86	
For Up To 100, Add	1.29	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.26	
09 97 13 24-0013 SF Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation .....	2.70	
For Up To 100, Add	1.92	
For >100 To 250, Add	0.90	
For >250 To 500, Add	0.39	
<b>09 97 13 24-0014 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)</b>	<b>3.66</b>	
09 97 13 24-0015 SF Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation.....	3.66	
For Up To 100, Add	2.57	
For >100 To 250, Add	1.21	
For >250 To 500, Add	0.52	
09 97 13 24-0016 SF Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation.....	3.49	
For Up To 100, Add	2.44	
For >100 To 250, Add	1.15	
For >250 To 500, Add	0.49	
09 97 13 24-0017 SF Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation.....	5.10	
For Up To 100, Add	3.65	
For >100 To 250, Add	1.71	
For >250 To 500, Add	0.74	
<b>09 97 13 24-0018 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)</b>	<b>2.91</b>	
09 97 13 24-0019 SF Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation.....	2.91	
For Up To 100, Add	2.05	
For >100 To 250, Add	0.96	
For >250 To 500, Add	0.41	
09 97 13 24-0020 SF Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation.....	2.91	
For Up To 100, Add	2.05	
For >100 To 250, Add	0.96	
For >250 To 500, Add	0.41	
09 97 13 24-0021 SF Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation.....	4.27	
For Up To 100, Add	3.07	
For >100 To 250, Add	1.44	
For >250 To 500, Add	0.62	
<b>09 97 13 24-0022 Protective Coatings For Tanks (09 97 13 24)</b>		
Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
<b>09 97 13 24-0023 1.5 Mil Prime Coat For Tanks (09 97 13 24-0022)</b>	<b>0.62</b>	
09 97 13 24-0024 SF Spray Small Vessel/Tank 1.5 Mil Prime Coat .....	0.62	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 97 13 24-0025 SF Spray Large Vessel/Tank 1.5 Mil Prime Coat .....	0.51	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
09 97 13 24-0026 SF Spray Tank Interior 1.5 Mil Prime Coat .....	1.17	
For Up To 100, Add	0.79	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
09 97 13 24-0027 SF Brush Small Vessel/Tank 1.5 Mil Prime Coat .....	0.77	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
09 97 13 24-0028 SF Brush Large Vessel/Tank 1.5 Mil Prime Coat .....	0.62	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 97 13 24-0029 SF Brush Tank Interior 1.5 Mil Prime Coat .....	1.50	
For Up To 100, Add	1.04	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
<b>09 97 13 24-0030 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0022)</b>	<b>1.84</b>	
09 97 13 24-0031 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.84	
For Up To 100, Add	1.08	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	



<b>Finishes</b>	<b>09</b>	<b>09</b>
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0032 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.44	
For Up To 100, Add	0.78	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
09 97 13 24-0033 SF Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	3.33	
For Up To 100, Add	2.20	
For >100 To 250, Add	1.04	
For >250 To 500, Add	0.45	
09 97 13 24-0034 SF Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.39	
For Up To 100, Add	0.81	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
09 97 13 24-0035 SF Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.09	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
09 97 13 24-0036 SF Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	2.50	
For Up To 100, Add	1.65	
For >100 To 250, Add	0.78	
For >250 To 500, Add	0.34	
09 97 13 24-0037 SF Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.43	
For Up To 100, Add	1.52	
For >100 To 250, Add	0.73	
For >250 To 500, Add	0.31	
09 97 13 24-0038 SF Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.86	
For Up To 100, Add	1.10	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
09 97 13 24-0039 SF Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	4.59	
For Up To 100, Add	3.14	
For >100 To 250, Add	1.48	
For >250 To 500, Add	0.64	
09 97 13 24-0040 SF Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.83	
For Up To 100, Add	1.14	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
09 97 13 24-0041 SF Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.40	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
09 97 13 24-0042 SF Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	3.44	
For Up To 100, Add	2.35	
For >100 To 250, Add	1.11	
For >250 To 500, Add	0.48	
<b>09 97 13 24-0043 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0044 SF Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.63	
For Up To 100, Add	1.00	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
09 97 13 24-0045 SF Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.39	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
09 97 13 24-0046 SF Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	3.43	
For Up To 100, Add	2.35	
For >100 To 250, Add	1.11	
For >250 To 500, Add	0.48	
09 97 13 24-0047 SF Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.04	
For Up To 100, Add	0.64	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
09 97 13 24-0048 SF Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	0.88	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
09 97 13 24-0049 SF Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats .....	2.19	
For Up To 100, Add	1.50	
For >100 To 250, Add	0.71	
For >250 To 500, Add	0.31	
09 97 13 24-0050 SF Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.03	
For Up To 100, Add	1.30	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
09 97 13 24-0051 SF Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.72	
For Up To 100, Add	1.07	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
09 97 13 24-0052 SF Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	4.66	
For Up To 100, Add	3.36	
For >100 To 250, Add	1.57	
For >250 To 500, Add	0.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0053 SF Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.29	
For Up To 100, Add	0.83	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
09 97 13 24-0054 SF Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.10	
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
09 97 13 24-0055 SF Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats.....	3.06	
For Up To 100, Add	2.16	
For >100 To 250, Add	1.01	
For >250 To 500, Add	0.44	
<b>09 97 13 24-0056 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks</b> (09 97 13 24-0022)		
09 97 13 24-0057 SF Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.43	
For Up To 100, Add	1.21	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
09 97 13 24-0058 SF Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.12	
For Up To 100, Add	0.98	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.22	
09 97 13 24-0059 SF Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	1.70	
For Up To 100, Add	0.85	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
09 97 13 24-0060 SF Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	1.48	
For Up To 100, Add	0.68	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
<b>09 97 13 24-0061 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks</b> (09 97 13 24- 0022)		
09 97 13 24-0062 SF Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	2.72	
For Up To 100, Add	1.25	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.28	
09 97 13 24-0063 SF Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	2.41	
For Up To 100, Add	1.02	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
09 97 13 24-0064 SF Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats.....	2.23	
For Up To 100, Add	1.03	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.23	
09 97 13 24-0065 SF Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats .....	1.97	
For Up To 100, Add	0.84	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.19	
<b>09 97 13 24-0066 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks</b> (09 97 13 24-0022)		
09 97 13 24-0067 SF Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats .....	6.41	
For Up To 100, Add	3.32	
For >100 To 250, Add	1.62	
For >250 To 500, Add	0.71	
09 97 13 24-0068 SF Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats .....	5.93	
For Up To 100, Add	2.96	
For >100 To 250, Add	1.46	
For >250 To 500, Add	0.64	
09 97 13 24-0069 SF Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats .....	9.55	
For Up To 100, Add	5.67	
For >100 To 250, Add	2.72	
For >250 To 500, Add	1.18	
<b>09 97 13 24-0070 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks</b> (09 97 13 24- 0022)		
09 97 13 24-0071 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	3.42	
For Up To 100, Add	1.57	
For >100 To 250, Add	0.78	
For >250 To 500, Add	0.35	
09 97 13 24-0072 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats .....	3.07	
For Up To 100, Add	1.31	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.29	
09 97 13 24-0073 SF Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats .....	4.96	
For Up To 100, Add	2.72	
For >100 To 250, Add	1.32	
For >250 To 500, Add	0.58	





<b>Finishes</b>	<b>09</b>	<b>9</b>
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0074 SF Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats.....	2.70	
For Up To 100, Add	1.24	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
09 97 13 24-0075 SF Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats .....	2.43	
For Up To 100, Add	1.04	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
09 97 13 24-0076 SF Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats .....	3.91	
For Up To 100, Add	2.15	
For >100 To 250, Add	1.04	
For >250 To 500, Add	0.46	
<b>09 97 13 24-0077 Two 8 Mil Coal Tar Epoxy Coats For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0078 SF Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats.....	2.98	
For Up To 100, Add	1.67	
For >100 To 250, Add	0.81	
For >250 To 500, Add	0.35	
09 97 13 24-0079 SF Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats .....	2.51	
For Up To 100, Add	1.32	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
09 97 13 24-0080 SF Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats.....	3.77	
For Up To 100, Add	2.26	
For >100 To 250, Add	1.08	
For >250 To 500, Add	0.47	
<b>09 97 13 24-0081 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0082 SF Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.08	
For Up To 100, Add	1.12	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.24	
09 97 13 24-0083 SF Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.92	
For Up To 100, Add	1.00	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
09 97 13 24-0084 SF Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.09	
For Up To 100, Add	1.87	
For >100 To 250, Add	0.90	
For >250 To 500, Add	0.39	
<b>09 97 13 24-0085 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior (09 97 13 24-0022)</b>		
09 97 13 24-0086 SF Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....	4.53	
For Up To 100, Add	2.56	
For >100 To 250, Add	1.24	
For >250 To 500, Add	0.54	
09 97 13 24-0087 SF Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....	2.83	
For Up To 100, Add	1.37	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.30	
<b>09 97 13 24-0088 One 3 Mil High Zinc Silicate Coat For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0089 SF Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat .....	1.38	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
09 97 13 24-0090 SF Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat .....	1.35	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
09 97 13 24-0091 SF Spray Tank Interior One 3 Mil High Zinc Silicate Coat.....	2.09	
For Up To 100, Add	1.12	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.24	
<b>09 97 13 24-0092 Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks (09 97 13 24-0022)</b>		
Note: Installed over existing primer.		
09 97 13 24-0093 SF Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.20	
For Up To 100, Add	1.13	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
09 97 13 24-0094 SF Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	1.96	
For Up To 100, Add	0.95	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	

<b>09</b>	<b>Finishes</b>
<b>09 90</b>	<b>Painting and Coating</b>
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0095 SF Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats .....	2.98	
For Up To 100, Add	1.72	
For >100 To 250, Add	0.83	
For >250 To 500, Add	0.36	
<b>09 97 13 24-0096 One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks (09</b>		
<b>97 13 24-0022)</b>		
09 97 13 24-0097 SF Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat.....	7.75	
For Up To 100, Add	4.75	
For >100 To 250, Add	2.27	
For >250 To 500, Add	0.99	
<b>09 97 26 Cementitious Coatings (09 97)</b>		
<b>09 97 26 13 Interior Cementitious Coatings (09 97 26)</b>		
09 97 26 13-0001 Ceramic-Like Glazed Coating (09 97 26 13)		
09 97 26 13-0002 Ceramic-Like Glazed Coating, Cementitious (09 97 26 13-0001)		
09 97 26 13-0003 SF Ceramic-like Glazed Coating, - Cementitious .....	2.38	
09 97 26 13-0004 Ceramic-Like Glazed Coating, Resin Base (09 97 26 13-0001)		
09 97 26 13-0005 SF Ceramic-like Glazed Coating - Resin.....	2.00	
<b>09 97 35 Dry Erase Coatings (09 97)</b>		
09 97 35 00-0001 Dry-Erase Paint (09 97 35)		
09 97 35 00-0002 Dry-Erase Paint (IdeaPaint™ PRO) (09 97 35 00-0001)		
09 97 35 00-0003 SF Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller .....	11.36	
Note: Includes two coats of primer and white, white sand, light beige or light gray surface.		
09 97 35 00-0004 Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) (09 97 35 00-0001)		
09 97 35 00-0005 SF Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller.....	6.36	
Note: For application over existing latex-based top coats.		
09 97 35 00-0006 SF Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller .....	12.18	
Note: Includes two coats of primer and white or black surface coat.		
<b>09 97 63 Special Coatings and Protection Systems (09 97)</b>		
09 97 63 00-0001 Acrylic Glazed Coating (09 97 63)		
09 97 63 00-0002 SF Acrylic Glazed Coating.....	1.56	

END OF SECTION 09



<b>Specialties</b>	<b>10</b>
<b>Operation and Maintenance of Specialties</b>	<b>10 01</b>
<b>Operation and Maintenance of Safety Specialties</b>	<b>10 01 40</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 10 Specialties

### 10 01 Operation and Maintenance of Specialties <sup>(10)</sup>

#### 10 01 40 Operation and Maintenance of Safety Specialties <sup>(10 01)</sup>

10 01 40 00-0001		<b>Recharge Existing Portable Fire Extinguishers</b> <sup>(10 01 40)</sup>	
		Note: Includes removal, filling, testing, certification and reinstallation.	
10 01 40 00-0002		<b>Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers</b> <sup>(10 01 40 00-0001)</sup>	
10 01 40 00-0003	EA	Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher .....	16.62
10 01 40 00-0004	EA	Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher .....	18.46
10 01 40 00-0005	EA	Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher .....	19.20
10 01 40 00-0006	EA	Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher .....	21.74
10 01 40 00-0007	EA	Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher .....	25.11
10 01 40 00-0008		<b>Recharge Dry Chemical, Class ABC Portable Fire Extinguishers</b> <sup>(10 01 40 00-0001)</sup>	
10 01 40 00-0009	EA	Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher .....	20.05
10 01 40 00-0010	EA	Recharge 5 LB Dry Chemical Portable Fire Extinguisher .....	24.27
10 01 40 00-0011	EA	Recharge 10 LB Dry Chemical Portable Fire Extinguisher .....	34.29
10 01 40 00-0012	EA	Recharge 20 LB Dry Chemical Portable Fire Extinguisher .....	54.13
10 01 40 00-0013		<b>Recharge Other Portable Fire Extinguishers</b> <sup>(10 01 40 00-0001)</sup>	
10 01 40 00-0014	EA	Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher .....	19.84
10 01 40 00-0015	EA	Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher.....	141.38
10 01 40 00-0016	EA	Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher.....	197.94
10 01 40 00-0017	EA	Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher.....	81.49

#### 10 01 50 Operation and Maintenance of Storage Specialties <sup>(10 01)</sup>

##### 10 01 50 11 Operation and Maintenance of Storage Specialties <sup>(10 01 50)</sup>

10 01 50 11-0001		<b>Locker Repair And Refinishing</b> <sup>(10 01 50 11)</sup>	
10 01 50 11-0002	EA	Removal And Replacement Of Single Tier Locker Door .....	372.56
10 01 50 11-0003	EA	Removal And Replacement Of Two Tier Locker Door .....	292.77
10 01 50 11-0004	EA	Removal And Replacement Of Three Tier Locker Door .....	250.47
10 01 50 11-0005	EA	Removal And Replacement Of Four Tier Locker Door .....	210.84
10 01 50 11-0006	EA	Removal And Replacement Of Six Tier Or Sixteen Person Locker Door.....	114.49
10 01 50 11-0007	EA	Realign Metal Locker Door For Proper Closure .....	39.67
10 01 50 11-0008	EA	Patch Small Drill Holes in Locker.....	7.93

## 10 10 Information Specialties <sup>(10)</sup>

### 10 11 Visual Display Units <sup>(10 10)</sup>

#### 10 11 13 Chalkboards <sup>(10 11)</sup>

##### 10 11 13 13 Fixed Chalkboards <sup>(10 11 13)</sup>

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001		<b>Porcelain Enamel Steel Chalkboards</b> <sup>(10 11 13 13)</sup>	
10 11 13 13-0002		<b>5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series)</b> <sup>(10 11 13 13-0001)</sup>	
		Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.	
10 11 13 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	46.60
10 11 13 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	29.58
10 11 13 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	25.56
10 11 13 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	21.12
10 11 13 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	17.57
10 11 13 13-0008		<b>1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series)</b> <sup>(10 11 13 13-0001)</sup>	
		Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.	
10 11 13 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	49.21
10 11 13 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	32.12
10 11 13 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	27.90
10 11 13 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	23.95
10 11 13 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	20.35



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 11 13 13-0014		<b>1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series)</b> <small>(10 11 13 13-0001)</small>		
		Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.		
10 11 13 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	44.99	9.27
10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	27.93	4.36
10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	23.99	3.76
10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	19.80	2.45
10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	16.10	1.36
10 11 13 13-0020		<b>Removal And Reinstallation Of Chalkboards</b> <small>(10 11 13 13)</small>		
		Note: Includes storage and cleaning.		
10 11 13 13-0021	SF	Removal And Reinstallation Of Chalkboard.....	11.36	
10 11 13 13-0022		<b>Field Applied Chalkboard And Accessories</b> <small>(10 11 13 13)</small>		
10 11 13 13-0023		<b>Chalkboard Face Sheets And Panels</b> <small>(10 11 13 13-0022)</small>		
10 11 13 13-0024	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite).....	15.66	4.36
		Note: Includes porcelain enamel steel chalkboard skin.		
10 11 13 13-0025	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT).....	18.56	4.36
		Note: Includes porcelain enamel steel surface mounted on either particle board or hardboard core with an aluminum moisture barrier back.		
10 11 13 13-0026		<b>Chalkboard And Markerboard Accessory Trays And Trim</b> <small>(10 11 13 13-0022)</small>		
10 11 13 13-0027	LF	Chalk And Marker Tray, Field Applied.....	22.76	5.99
10 11 13 13-0028	PR	Chalk And Marker Tray End Closures, Field Applied.....	28.88	10.90
10 11 13 13-0029	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied.....	16.37	5.99
10 11 13 13-0030	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied.....	16.02	5.99
10 11 13 13-0031	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	17.00	5.99
10 11 13 13-0032	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	18.88	5.99
10 11 13 13-0033	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	17.00	5.99
10 11 13 33		<b>Rail-Mounted Chalkboards</b> <small>(10 11 13)</small>		
10 11 13 33-0001		<b>Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series)</b> <small>(10 11 13 33)</small>		
10 11 13 33-0002		<b>Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0001)</small>		
10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,099.36	108.97
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,355.03	108.97
10 11 13 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,666.25	116.06
10 11 13 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,963.31	116.06
10 11 13 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,689.66	124.77
10 11 13 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,926.61	124.77
10 11 13 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,435.16	130.77
10 11 13 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,023.36	130.77
10 11 13 33-0011		<b>Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0001)</small>		
10 11 13 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,862.00	108.97
10 11 13 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,391.59	108.97
10 11 13 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,880.17	116.06
10 11 13 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,366.40	116.06
10 11 13 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,976.48	124.77
10 11 13 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,190.77	124.77
10 11 13 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,084.58	130.77
10 11 13 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,799.89	130.77
10 11 13 33-0020		<b>Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0001)</small>		
10 11 13 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,187.15	108.97
10 11 13 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,620.18	108.97
10 11 13 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,090.04	116.06
10 11 13 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,587.12	116.06
10 11 13 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,551.91	124.77
10 11 13 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,779.99	124.77
10 11 13 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,822.59	130.77
10 11 13 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	7,614.31	130.77
10 11 13 33-0029		<b>Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series)</b> <small>(10 11 13 33)</small>		
10 11 13 33-0030		<b>One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0029)</small>		



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0031 EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,505.78	108.97
10 11 13 33-0032 EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,763.43	108.97
10 11 13 33-0033 EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,021.44	116.06
10 11 13 33-0034 EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,468.74	116.06
10 11 13 33-0035 EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,799.46	124.77
10 11 13 33-0036 EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,212.27	124.77
<b>10 11 13 33-0037 Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards (10</b> <small>(11 13 33-0029)</small>		
10 11 13 33-0038 EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,666.41	108.97
10 11 13 33-0039 EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,066.41	108.97
10 11 13 33-0040 EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,468.76	116.06
10 11 13 33-0041 EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,204.71	116.06
10 11 13 33-0042 EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,664.47	124.77
10 11 13 33-0043 EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,332.44	124.77
<b>10 11 13 33-0044 Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0029)</small>		
10 11 13 33-0045 EA 8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,999.47	108.97
10 11 13 33-0046 EA 8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,544.79	108.97
10 11 13 33-0047 EA 8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,092.45	116.06
10 11 13 33-0048 EA 8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,116.08	116.06
10 11 13 33-0049 EA 8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,716.70	124.77
10 11 13 33-0050 EA 8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,657.56	124.77
<b>10 11 13 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <b>(Claridge MO Series) (10 11 13 33)</b> Note: Excludes remotes.		
<b>10 11 13 33-0052 One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel</b> <b>Chalkboards (10 11 13 33-0051)</b>		
10 11 13 33-0053 EA 10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,027.20	217.95
10 11 13 33-0054 EA 10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,255.40	217.95
10 11 13 33-0055 EA 10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,511.00	224.76
10 11 13 33-0056 EA 10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,928.98	224.76
10 11 13 33-0057 EA 10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,392.11	231.56
10 11 13 33-0058 EA 10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,795.30	231.56
10 11 13 33-0059 EA 10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,675.04	245.19
10 11 13 33-0060 EA 10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,786.58	245.19
<b>10 11 13 33-0061 Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel</b> <b>Steel Chalkboards (10 11 13 33-0051)</b>		
10 11 13 33-0062 EA 10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,605.39	217.95
10 11 13 33-0063 EA 10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,907.10	217.95
10 11 13 33-0064 EA 10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,245.07	224.76
10 11 13 33-0065 EA 10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,859.32	224.76
10 11 13 33-0066 EA 10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,471.43	231.56
10 11 13 33-0067 EA 10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,055.14	231.56
10 11 13 33-0068 EA 10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,242.49	245.19
10 11 13 33-0069 EA 10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,419.26	245.19
<b>10 11 13 33-0070 Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel</b> <b>Steel Chalkboards (10 11 13 33-0051)</b>		
10 11 13 33-0071 EA 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,364.78	217.95
10 11 13 33-0072 EA 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	17,126.24	217.95
10 11 13 33-0073 EA 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	17,530.82	224.76
10 11 13 33-0074 EA 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,329.52	224.76
10 11 13 33-0075 EA 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,170.43	231.56
10 11 13 33-0076 EA 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,977.99	231.56
10 11 13 33-0077 EA 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	21,573.47	245.19
10 11 13 33-0078 EA 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	21,884.44	245.19
<b>10 11 13 33-0079 Sliding Chalkboard And Markerboard Accessories (10 11 13 33)</b>		
10 11 13 33-0080 EA One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	601.11	
10 11 13 33-0081 EA Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	1,025.78	
<b>10 11 16 Markerboards (10 11)</b>		
<b>10 11 16 13 Fixed Markerboards (10 11 16)</b> Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.		
<b>10 11 16 13-0001 Porcelain Enamel Steel Markerboards (10 11 16 13)</b>		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 11 16 13-0002	<b>5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series)</b> <small>(10 11 16 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0003	SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	46.77	9.27
10 11 16 13-0004	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	30.15	4.36
10 11 16 13-0005	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	25.56	3.76
10 11 16 13-0006	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	21.32	2.45
10 11 16 13-0007	SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	17.34	1.36
10 11 16 13-0008	<b>1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series)</b> <small>(10 11 16 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0009	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	49.24	9.27
10 11 16 13-0010	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	30.89	4.36
10 11 16 13-0011	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	26.67	3.76
10 11 16 13-0012	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	22.72	2.45
10 11 16 13-0013	SF >24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	19.63	1.36
10 11 16 13-0014	<b>1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series)</b> <small>(10 11 16 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.		
10 11 16 13-0015	SF Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	44.97	9.27
10 11 16 13-0016	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	27.94	4.36
10 11 16 13-0017	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	25.19	3.76
10 11 16 13-0018	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	19.93	2.45
10 11 16 13-0019	SF >24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	15.83	1.36
10 11 16 13-0020	<b>Melamine Markerboards</b> <small>(10 11 16 13)</small>		
10 11 16 13-0021	<b>1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series)</b> <small>(10 11 16 13-0020)</small> Note: Includes full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0022	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard .....	37.41	9.27
10 11 16 13-0023	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	22.73	4.36
10 11 16 13-0024	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	19.71	3.76
10 11 16 13-0025	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	14.75	2.45
10 11 16 13-0026	SF >24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	11.88	1.36
10 11 16 13-0027	<b>1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series)</b> <small>(10 11 16 13-0020)</small> Note: Includes marker tray and mounting hardware.		
10 11 16 13-0028	SF Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	36.57	9.27
10 11 16 13-0029	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard .....	22.33	4.36
10 11 16 13-0030	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard .....	19.16	3.76
10 11 16 13-0031	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard .....	13.77	2.45
10 11 16 13-0032	SF >24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard .....	10.98	1.36
10 11 16 13-0033	<b>Nonporous, Non-Staining Markerboards</b> <small>(10 11 16 13)</small>		
10 11 16 13-0034	<b>5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series)</b> <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0035	SF Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	51.48	9.27
	For Magnetic Surface, Add	3.30	
10 11 16 13-0036	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	33.80	4.36
	For Magnetic Surface, Add	2.51	
10 11 16 13-0037	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	29.15	3.76
	For Magnetic Surface, Add	2.16	
10 11 16 13-0038	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	25.68	2.45
	For Magnetic Surface, Add	2.08	
10 11 16 13-0039	SF >24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	22.11	1.36
	For Magnetic Surface, Add	1.94	
10 11 16 13-0040	<b>1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series)</b> <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041	SF Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	51.48	9.27
	For Magnetic Surface, Add	3.30	
10 11 16 13-0042	SF >6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	33.80	4.36
	For Magnetic Surface, Add	2.51	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0043 SF >12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	29.15 2.16	3.76
10 11 16 13-0044 SF >16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	25.68 2.08	2.45
10 11 16 13-0045 SF >24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	22.11 1.94	1.36
<b>10 11 16 13-0046 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) <small>(10 11 16 13-0033)</small></b> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047 SF Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	92.33 7.38	9.27
10 11 16 13-0048 SF >6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	58.35 4.96	4.36
10 11 16 13-0049 SF >12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	49.31 4.18	3.76
10 11 16 13-0050 SF >16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	41.63 3.67	2.45
10 11 16 13-0051 SF >24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	32.29 2.96	1.36
<b>10 11 16 13-0052 Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) <small>(10 11 16 13-0033)</small></b> Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface, 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053 SF Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	23.11	3.76
10 11 16 13-0054 SF >16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	19.68	2.45
10 11 16 13-0055 SF >24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	16.50	1.36
<b>10 11 16 13-0056 Removal And Reinstallation Of Markerboard <small>(10 11 16 13)</small></b> Note: Includes storage and cleaning.		
10 11 16 13-0057 EA Up To 6 SF, Removal And Reinstallation Of Markerboard.....	65.38	
10 11 16 13-0058 EA >6 To 12 SF, Removal And Reinstallation Of Markerboard.....	76.28	
10 11 16 13-0059 EA >12 To 16 SF, Removal And Reinstallation Of Markerboard.....	87.18	
10 11 16 13-0060 EA >16 To 24 SF, Removal And Reinstallation Of Markerboard.....	98.07	
10 11 16 13-0061 EA >24 SF, Removal And Reinstallation Of Markerboard.....	108.97	
<b>10 11 16 13-0062 Field Applied Markerboard And Accessories <small>(10 11 16 13)</small></b>		
<b>10 11 16 13-0063 Markerboard Face Sheets And Panels <small>(10 11 16 13-0062)</small></b>		
10 11 16 13-0064 SF Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS)..... Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	15.42	4.36
10 11 16 13-0065 SF Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick)..... Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	18.02	4.36
10 11 16 13-0066 SF Porcelain Enamel Steel Markerboard Panel (Claridge LCS)..... Note: Includes porcelain enamel steel surface mounted on either 3/8" particle board or 1/4" hardboard core with an aluminum moisture barrier back.	17.96	4.36
10 11 16 13-0067 SF Melamine Markerboard Panel (Claridge 1032)..... Note: Includes 1/4" thick melamine panel.	10.71	4.36
<b>10 11 16 13-0068 Chalkboard And Markerboard Accessory Trays And Trim <small>(10 11 16 13-0062)</small></b> See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.		
<b>10 11 16 33 Rail-Mounted Markerboards <small>(10 11 16)</small></b>		
<b>10 11 16 33-0001 Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) <small>(10 11 16 33)</small></b>		
<b>10 11 16 33-0002 Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small></b>		
10 11 16 33-0003 EA 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,074.29	108.97
10 11 16 33-0004 EA 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,321.61	108.97
10 11 16 33-0005 EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,624.48	116.06
10 11 16 33-0006 EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,913.18	116.06
10 11 16 33-0007 EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,631.17	124.77
10 11 16 33-0008 EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,859.76	124.77
10 11 16 33-0009 EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,351.60	130.77
10 11 16 33-0010 EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,923.09	130.77
<b>10 11 16 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small></b>		
10 11 16 33-0012 EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,836.93	108.97

**10 Specialties****10 10 Information Specialties****10 11 Visual Display Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0013	EA		4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	3,358.16	108.97
10 11 16 33-0014	EA		4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	3,838.39	116.06
10 11 16 33-0015	EA		4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	4,316.27	116.06
10 11 16 33-0016	EA		4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	4,918.00	124.77
10 11 16 33-0017	EA		4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	5,123.93	124.77
10 11 16 33-0018	EA		4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	6,001.03	130.77
10 11 16 33-0019	EA		4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	6,699.62	130.77
<b>10 11 16 33-0020</b>			<b>Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0001)</small>		
10 11 16 33-0021	EA		4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	3,162.09	108.97
10 11 16 33-0022	EA		4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	3,586.76	108.97
10 11 16 33-0023	EA		4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	4,048.26	116.06
10 11 16 33-0024	EA		4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	4,536.98	116.06
10 11 16 33-0025	EA		4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	5,493.42	124.77
10 11 16 33-0026	EA		4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	5,713.15	124.77
10 11 16 33-0027	EA		4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	6,739.03	130.77
10 11 16 33-0028	EA		4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	7,539.11	130.77
<b>10 11 16 33-0029</b>			<b>Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series)</b> <small>(10 11 16 33)</small>		
<b>10 11 16 33-0030</b>			<b>One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0029)</small>		
10 11 16 33-0031	EA		8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,472.36	108.97
10 11 16 33-0032	EA		8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,721.65	108.97
10 11 16 33-0033	EA		8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,971.31	116.06
10 11 16 33-0034	EA		8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,401.89	116.06
10 11 16 33-0035	EA		8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,715.91	124.77
10 11 16 33-0036	EA		8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,112.00	124.77
<b>10 11 16 33-0037</b>			<b>Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0029)</small>		
10 11 16 33-0038	EA		8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,599.57	108.97
10 11 16 33-0039	EA		8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,982.86	108.97
10 11 16 33-0040	EA		8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,368.49	116.06
10 11 16 33-0041	EA		8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	5,071.03	116.06
10 11 16 33-0042	EA		8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	5,497.36	124.77
10 11 16 33-0043	EA		8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	6,131.91	124.77
<b>10 11 16 33-0044</b>			<b>Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0029)</small>		
10 11 16 33-0045	EA		8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	4,899.21	108.97
10 11 16 33-0046	EA		8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	5,419.45	108.97
10 11 16 33-0047	EA		8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	5,942.05	116.06
10 11 16 33-0048	EA		8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	6,915.55	116.06
10 11 16 33-0049	EA		8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	7,466.03	124.77
10 11 16 33-0050	EA		8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	8,356.76	124.77
<b>10 11 16 33-0051</b>			<b>Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series)</b> <small>(10 11 16 33)</small>		
			Note: Excludes remotes.		
<b>10 11 16 33-0052</b>			<b>One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0051)</small>		
10 11 16 33-0053	EA		10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,985.42	217.95
10 11 16 33-0054	EA		10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,203.18	217.95
10 11 16 33-0055	EA		10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,448.34	224.76
10 11 16 33-0056	EA		10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,845.42	224.76
10 11 16 33-0057	EA		10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,287.67	231.56
10 11 16 33-0058	EA		10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,669.97	231.56
10 11 16 33-0059	EA		10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	10,528.82	245.19
10 11 16 33-0060	EA		10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	10,619.47	245.19
<b>10 11 16 33-0061</b>			<b>Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0051)</small>		
10 11 16 33-0062	EA		10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	12,521.84	217.95
10 11 16 33-0063	EA		10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	12,802.65	217.95
10 11 16 33-0064	EA		10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	13,119.74	224.76
10 11 16 33-0065	EA		10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	13,692.21	224.76
10 11 16 33-0066	EA		10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	14,262.55	231.56
10 11 16 33-0067	EA		10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	14,804.47	231.56
10 11 16 33-0068	EA		10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	15,950.05	245.19
10 11 16 33-0069	EA		10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	16,085.04	245.19





<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 16 33-0070	<b>Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0051)</small>		
10 11 16 33-0071	EA 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	16,239.45	217.95
10 11 16 33-0072	EA 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	16,969.57	217.95
10 11 16 33-0073	EA 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	17,342.82	224.76
10 11 16 33-0074	EA 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	18,078.86	224.76
10 11 16 33-0075	EA 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	18,857.09	231.56
10 11 16 33-0076	EA 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	19,602.00	231.56
10 11 16 33-0077	EA 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	21,134.80	245.19
10 11 16 33-0078	EA 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	21,383.11	245.19

10 11 16 33-0079 **Sliding Chalkboard And Markerboard Accessories** (10 11 16 33)  
See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.

**10 11 23 Tackboards** (10 11)

**10 11 23 13 Fixed Tackboards** (10 11 23)

Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.

10 11 23 13-0001 **Fixed Tackboards** (10 11 23 13)

Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.

10 11 23 13-0002 **Cork Surface, Fixed Tackboards** (10 11 23 13-0001)

Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.

10 11 23 13-0003 **5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series)** (10 11 23 13-0002)

10 11 23 13-0004	SF Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	31.74	9.27
10 11 23 13-0005	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard .....	17.92	4.36
10 11 23 13-0006	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard .....	15.53	3.76
10 11 23 13-0007	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard .....	12.29	2.45
10 11 23 13-0008	SF >24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard .....	9.94	1.36

10 11 23 13-0009 **1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series)** (10 11 23 13-0002)

10 11 23 13-0010	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard .....	33.30	9.27
10 11 23 13-0011	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard .....	18.64	4.36
10 11 23 13-0012	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	15.16	3.76
10 11 23 13-0013	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard .....	11.72	2.45
10 11 23 13-0014	SF >24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard .....	9.04	1.36

10 11 23 13-0015 **1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series)** (10 11 23 13-0002)

10 11 23 13-0016	SF Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	33.46	9.27
10 11 23 13-0017	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard .....	20.16	4.36
10 11 23 13-0018	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	18.60	3.76
10 11 23 13-0019	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	14.22	2.45
10 11 23 13-0020	SF >24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	11.14	1.36

10 11 23 13-0021 **Burlap Backed Cork Surface, Fixed Tackboards** (10 11 23 13-0001)  
Note: Includes burlap backed 1/4" self healing cork surface, unmounted or mounted on hardboard.

10 11 23 13-0022 **5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series)** (10 11 23 13-0021)

10 11 23 13-0023	SF Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard .....	36.26	9.27
10 11 23 13-0024	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard .....	23.34	4.36
10 11 23 13-0025	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard .....	21.25	3.76
10 11 23 13-0026	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	18.04	2.45
10 11 23 13-0027	SF >24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	15.79	1.36

10 11 23 13-0028 **1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series)** (10 11 23 13-0021)

10 11 23 13-0029	SF Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	40.03	9.27
10 11 23 13-0030	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard .....	27.37	4.36
10 11 23 13-0031	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard .....	25.32	3.76
10 11 23 13-0032	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard .....	20.99	2.45
10 11 23 13-0033	SF >24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard .....	17.94	1.36

10 11 23 13-0034 **Polyester Fabric Surface, Fixed Tackboards** (10 11 23 13-0001)

Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 10</b>	<b>Information Specialties</b>
	<b>10 11</b>	<b>Visual Display Units</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 11 23 13-0035</b>	<b>5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0034)</small></b>		
10 11 23 13-0036	SF Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	32.81	9.27
10 11 23 13-0037	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	19.23	4.36
10 11 23 13-0038	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	17.00	3.76
10 11 23 13-0039	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	13.81	2.45
10 11 23 13-0040	SF >24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	11.29	1.36

<b>10 11 23 13-0041</b>	<b>1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) <small>(10 11 23 13-0034)</small></b>		
10 11 23 13-0042	SF Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	34.94	9.27
10 11 23 13-0043	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	22.00	4.36
10 11 23 13-0044	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	20.33	3.76
10 11 23 13-0045	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	16.11	2.45
10 11 23 13-0046	SF >24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	13.11	1.36

<b>10 11 23 13-0047</b>	<b>Vinyl Fabric Surface, Fixed Tackboards <small>(10 11 23 13-0001)</small></b>		
Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.			
<b>10 11 23 13-0048</b>	<b>5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0047)</small></b>		
10 11 23 13-0049	SF Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	31.74	9.27
10 11 23 13-0050	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	18.00	4.36
10 11 23 13-0051	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	15.65	3.76
10 11 23 13-0052	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	12.29	2.45
10 11 23 13-0053	SF >24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	9.75	1.36

<b>10 11 23 13-0054</b>	<b>1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) <small>(10 11 23 13-0047)</small></b>		
10 11 23 13-0055	SF Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	33.46	9.27
10 11 23 13-0056	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	20.92	4.36
10 11 23 13-0057	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	18.60	3.76
10 11 23 13-0058	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	14.22	2.45
10 11 23 13-0059	SF 4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	11.14	1.36

**10 12 Display Cases (10 10)**

<b>10 12 00 00-0001</b>	<b>Counter Display Cases <small>(10 12)</small></b>		
10 12 00 00-0002	EA 30" x 12" x 36" Counter Display Cases.....	1,591.70	166.95
10 12 00 00-0003	EA 30" x 12" x 48" Counter Display Cases.....	1,717.89	166.95
10 12 00 00-0004	EA 30" x 18" x 36" Counter Display Cases.....	1,666.50	166.95
10 12 00 00-0005	EA 30" x 18" x 48" Counter Display Cases.....	1,645.90	74.21

<b>10 12 00 00-0006</b>	<b>Upright Display Case <small>(10 12)</small></b>		
10 12 00 00-0007	EA 72 In x 20 In x 70 In Upright Display Case.....	3,303.38	166.95

<b>10 12 00 00-0008</b>	<b>Full Vision Display Case <small>(10 12)</small></b>		
10 12 00 00-0009	EA 38 In x 20 In x 70 In Full Vision Display Case.....	2,162.22	166.95

**10 13 Directories (10 10)**

**10 13 11 Directory and Bulletin Boards (10 13)**

Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.

<b>10 13 11 00-0001</b>	<b>Wall Mounted Directories <small>(10 13 11)</small></b>		
Note: Includes changeable letters.			
<b>10 13 11 00-0002</b>	<b>Open Face, Wall Mounted Directories <small>(10 13 11 00-0001)</small></b>		
Note: Includes vinyl or felt back panel.			
<b>10 13 11 00-0003</b>	<b>Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) <small>(10 13 11 00-0002)</small></b>		
10 13 11 00-0004	SF Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory.....	51.69	9.27
10 13 11 00-0005	SF >6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory.....	33.60	4.36
10 13 11 00-0006	SF >12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory.....	30.51	3.76
10 13 11 00-0007	SF >16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory.....	23.25	2.45
10 13 11 00-0008	SF >24 SF, Wood Frame, Open Face, Wall Mounted Directory.....	18.50	1.36

<b>10 13 11 00-0009</b>	<b>Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) <small>(10 13 11 00-0002)</small></b>		
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<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Directories	10 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0010 SF Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory ..... <i>For Bronze Anodize Finish, Add</i>	52.19 12.00	9.27
10 13 11 00-0011 SF >6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory..... <i>For Bronze Anodize Finish, Add</i>	33.93 12.00	4.36
10 13 11 00-0012 SF >12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory..... <i>For Bronze Anodize Finish, Add</i>	31.17 12.00	3.76
10 13 11 00-0013 SF >16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory..... <i>For Bronze Anodize Finish, Add</i>	22.18 12.00	2.45
10 13 11 00-0014 SF >24 SF, Aluminum Frame, Open Face, Wall Mounted Directory..... <i>For Bronze Anodize Finish, Add</i>	18.99 12.00	1.36
<b>10 13 11 00-0015 Glass Encased, Wall Mounted Directory Cabinets</b> <small>(10 13 11 00-0001)</small> Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
<b>10 13 11 00-0016 Wood Frame, Glass Encased, Wall Mounted Directory Cabinets</b> <small>(10 13 11 00-0015)</small>		
<b>10 13 11 00-0017 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series)</b> <small>(10 13 11 00-0016)</small>		
10 13 11 00-0018 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	125.76 15.00	9.27
10 13 11 00-0019 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	100.44 15.00	4.36
10 13 11 00-0020 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	84.13 15.00	3.76
10 13 11 00-0021 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	77.77 15.00	2.45
10 13 11 00-0022 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	70.22 15.00	1.36
<b>10 13 11 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series)</b> <small>(10 13 11 00-0016)</small>		
10 13 11 00-0024 SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	108.35 15.00	9.27
10 13 11 00-0025 SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	86.87 15.00	3.76
10 13 11 00-0026 SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	62.25 15.00	2.45
10 13 11 00-0027 SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	55.94 15.00	1.36
<b>10 13 11 00-0028 Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets</b> <small>(10 13 11 00-0015)</small>		
<b>10 13 11 00-0029 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series)</b> <small>(10 13 11 00-0028)</small>		
10 13 11 00-0030 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	112.70 15.00 12.00 18.84	9.27
10 13 11 00-0031 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	86.90 15.00 12.00 15.64	4.36
10 13 11 00-0032 SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	73.55 15.00 12.00 13.21	3.76
10 13 11 00-0033 SF >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	54.01 15.00 12.00 9.82	2.45
10 13 11 00-0034 SF >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	50.28 15.00 12.00 9.51	1.36
<b>10 13 11 00-0035 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series)</b> <small>(10 13 11 00-0028)</small>		
10 13 11 00-0036 SF Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	172.98 15.00 12.00 30.89	9.27
10 13 11 00-0037 SF >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	100.37 15.00 12.00 18.33	4.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0038 SF >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	84.57	3.76
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	15.41	
10 13 11 00-0039 SF >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	65.13	2.45
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	12.05	
10 13 11 00-0040 SF >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	60.13	1.36
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	11.48	
<b>10 13 11 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets</b> <small>(10 13 11 00-0001)</small>		
Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
<b>10 13 11 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets</b> <small>(10 13 11 00-0041)</small>		
<b>10 13 11 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series)</b> <small>(10 13 11 00-0042)</small>		
10 13 11 00-0044 SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet.....	169.93	9.27
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0045 SF >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet.....	113.26	4.36
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0046 SF >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet.....	109.99	3.76
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
<b>10 13 11 00-0047 Wall Mounted Bulletin Boards</b> <small>(10 13 11)</small>		
<b>10 13 11 00-0048 Glass Encased, Wall Mounted Bulletin Board Cabinets</b> <small>(10 13 11 00-0047)</small>		
Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
<b>10 13 11 00-0049 Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets</b> <small>(10 13 11 00-0048)</small>		
<b>10 13 11 00-0050 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series)</b> <small>(10 13 11 00-0049)</small>		
10 13 11 00-0051 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	122.80	9.27
For Fluorescent Lights, Add	15.00	
10 13 11 00-0052 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	98.22	4.36
For Fluorescent Lights, Add	15.00	
10 13 11 00-0053 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	81.91	3.76
For Fluorescent Lights, Add	15.00	
10 13 11 00-0054 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	75.68	2.45
For Fluorescent Lights, Add	15.00	
10 13 11 00-0055 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	69.24	1.36
For Fluorescent Lights, Add	15.00	
<b>10 13 11 00-0056 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series)</b> <small>(10 13 11 00-0049)</small>		
10 13 11 00-0057 SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	103.09	9.27
For Fluorescent Lights, Add	15.00	
10 13 11 00-0058 SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	81.88	3.76
For Fluorescent Lights, Add	15.00	
10 13 11 00-0059 SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	58.39	2.45
For Fluorescent Lights, Add	15.00	
10 13 11 00-0060 SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	52.98	1.36
For Fluorescent Lights, Add	15.00	
<b>10 13 11 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets</b> <small>(10 13 11 00-0049)</small>		
<b>10 13 11 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series)</b> <small>(10 13 11 00-0061)</small>		
10 13 11 00-0063 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	115.41	9.27
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	19.38	
10 13 11 00-0064 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	89.60	4.36
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	16.18	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Directories	10 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0065 SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	76.25 15.00 12.00 13.75	3.76
10 13 11 00-0066 SF >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	56.71 15.00 12.00 10.36	2.45
10 13 11 00-0067 SF >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	52.98 15.00 12.00 10.05	1.36
<b>10 13 11 00-0068 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) <small>(10 13 11 00-0061)</small></b>		
10 13 11 00-0069 SF Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	175.68 15.00 12.00 31.43	9.27
10 13 11 00-0070 SF >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	103.06 15.00 12.00 18.87	4.36
10 13 11 00-0071 SF >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	87.27 15.00 12.00 15.95	3.76
10 13 11 00-0072 SF >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	67.84 15.00 12.00 12.59	2.45
10 13 11 00-0073 SF >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	62.83 15.00 12.00 12.02	1.36
<b>10 13 11 00-0074 Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0047)</small></b> Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
<b>10 13 11 00-0075 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0074)</small></b>		
<b>10 13 11 00-0076 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0075)</small></b>		
10 13 11 00-0077 SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	167.23 15.00 12.00	9.27
10 13 11 00-0078 SF >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	110.56 15.00 12.00	4.36
10 13 11 00-0079 SF >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	107.32 15.00 12.00	3.76
<b>10 13 11 00-0080 Wall Mounted Menu Boards <small>(10 13 11)</small></b>		
10 13 11 00-0081 SF Stainless Steel Changeable Letter Type Menu Board ..... <i>For Attaching Board To Gypsum Board Walls, Add</i> <i>For Illumination, Add</i> <i>For Exterior Construction Waterproof, Add</i>	73.61 14.17 18.40 5.43	15.26
<b>10 14 Signage <small>(10 10)</small></b> Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection wiring, 26 05 83 00-0130 for terminations.		
<b>10 14 16 Plaques <small>(10 14)</small></b> Note: Includes minimum 1/4" to 3/8" plaque with custom 1/4" raised lettering and emblem casting. Sizes one to four SF each.		
<b>10 14 16 00-0001 Metal Cased Plaque <small>(10 14 16)</small></b>		
10 14 16 00-0002 SF Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each ..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10 Each, Deduct</i>	658.56 -71.35 -126.32	27.23
10 14 16 00-0003 SF Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each ..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10 Each, Deduct</i>	346.42 -37.02 -60.77	27.23
<b>10 14 16 00-0004 Metal Engraved Plaque, Etched <small>(10 14 16)</small></b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 16 00-0005 SF Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each.....	378.76	27.23
For >5 To 10, Deduct	-40.57	
For >10 Each, Deduct	-67.56	
10 14 16 00-0006 SF Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each.....	354.23	27.23
For >5 To 10, Deduct	-37.88	
For >10 Each, Deduct	-62.41	
10 14 16 00-0007 SF Brass Engraved Plaque Including Emblem Size 1-4 SF Each.....	248.30	27.23
For >5 To 10, Deduct	-26.22	
For >10 Each, Deduct	-40.16	
10 14 16 00-0008 SF Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each.....	240.49	27.23
For >5 To 10, Deduct	-25.36	
For >10 Each, Deduct	-38.52	
<b>10 14 16 00-0009 Metal Built-Up Plaque (10 14 16)</b>		
10 14 16 00-0010 SF Bronze Built-up Plaque.....	489.04	33.76
Note: Including Emblem Size 1-4 SF Each		
For >5 To 10, Deduct	-52.43	
For >10 Each, Deduct	-87.72	
10 14 16 00-0011 SF Copper And Bronze Built-up Plaque.....	499.73	33.76
Note: Including Emblem Size 1-4 SF Each		
For >5 To 10, Deduct	-53.61	
For >10 Each, Deduct	-89.97	
10 14 16 00-0012 SF Copper And Aluminum Built-up Plaque.....	389.27	33.76
Note: Including Emblem Size 1-4 SF Each		
For >5 To 10, Deduct	-41.46	
For >10 Each, Deduct	-66.77	
10 14 16 00-0013 SF Bronze Built-up Dedication Plaque.....	572.87	68.08
Note: Including Raised Bronze Lettering		
For >5 To 10, Deduct	-61.65	
For >10 Each, Deduct	-105.33	
10 14 16 00-0014 SF Bronze Built-up Plaque.....	483.74	68.08
Note: Including Raised Bronze Lettering		
For >5 To 10, Deduct	-51.85	
For >10 Each, Deduct	-86.61	
<b>10 14 16 00-0015 Metal Nameplate Plaques (10 14 16)</b>		
10 14 16 00-0016 SF Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each.....	250.87	18.52
For >5 To 10, Deduct	-26.87	
For >10 Each, Deduct	-44.69	
10 14 16 00-0017 SF Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each.....	267.78	18.52
For >5 To 10, Deduct	-28.73	
For >10 Each, Deduct	-48.24	
10 14 16 00-0018 EA 1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each.....	179.58	18.52
For >5 To 10, Deduct	-19.03	
For >10 Each, Deduct	-29.72	
10 14 16 00-0019 EA 1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each.....	139.55	18.52
For >5 To 10, Deduct	-14.62	
For >10 Each, Deduct	-21.31	
10 14 16 00-0020 SF Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9").....	471.00	68.08
For >5 To 10, Deduct	-50.45	
For >10 Each, Deduct	-83.93	
<b>10 14 19 Dimensional Letter Signage (10 14)</b>		
Note: Mounted on masonry or concrete.		
<b>10 14 19 00-0001 Cast Characters (10 14 19)</b>		
Note: Any font.		
<b>10 14 19 00-0002 Satin Finish, Cast Aluminum Characters (10 14 19 00-0001)</b>		
10 14 19 00-0003 EA 2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs.....	49.61	6.81
For Installation With Adhesive, Deduct	-5.20	
For Clear Anodized, Add	2.24	
For Satin Face And Enameled Return, Add	6.71	
For Patina Finish, Add	8.95	
For Color Anodized, Add	11.19	
10 14 19 00-0004 EA 3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs.....	58.69	7.35
For Installation With Adhesive, Deduct	-5.88	
For Clear Anodized, Add	2.93	
For Satin Face And Enameled Return, Add	8.78	
For Patina Finish, Add	11.71	
For Color Anodized, Add	14.64	
10 14 19 00-0005 EA 4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs.....	64.31	7.89
For Installation With Adhesive, Deduct	-6.37	
For Clear Anodized, Add	3.27	
For Satin Face And Enameled Return, Add	9.82	
For Patina Finish, Add	13.09	
For Color Anodized, Add	16.36	
10 14 19 00-0006 EA 5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs.....	73.83	9.04
For Installation With Adhesive, Deduct	-7.29	
For Clear Anodized, Add	3.79	
For Satin Face And Enameled Return, Add	11.36	
For Patina Finish, Add	15.15	
For Color Anodized, Add	18.94	



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0007	EA		6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	81.17	9.53
			<i>For Installation With Adhesive, Deduct</i>	-7.87	
			<i>For Clear Anodized, Add</i>	4.31	
			<i>For Satin Face And Enameled Return, Add</i>	12.92	
			<i>For Patina Finish, Add</i>	17.22	
			<i>For Color Anodized, Add</i>	21.53	
10 14 19 00-0008	EA		8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	96.95	10.89
			<i>For Installation With Adhesive, Deduct</i>	-9.20	
			<i>For Clear Anodized, Add</i>	5.34	
			<i>For Satin Face And Enameled Return, Add</i>	16.01	
			<i>For Patina Finish, Add</i>	21.35	
			<i>For Color Anodized, Add</i>	26.69	
10 14 19 00-0009	EA		9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	107.74	11.44
			<i>For Installation With Adhesive, Deduct</i>	-9.96	
			<i>For Clear Anodized, Add</i>	6.20	
			<i>For Satin Face And Enameled Return, Add</i>	18.60	
			<i>For Patina Finish, Add</i>	24.80	
			<i>For Color Anodized, Add</i>	31.00	
10 14 19 00-0010	EA		10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	123.05	12.25
			<i>For Installation With Adhesive, Deduct</i>	-11.05	
			<i>For Clear Anodized, Add</i>	7.40	
			<i>For Satin Face And Enameled Return, Add</i>	22.21	
			<i>For Patina Finish, Add</i>	29.62	
			<i>For Color Anodized, Add</i>	37.02	
10 14 19 00-0011	EA		12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	149.63	14.16
			<i>For Installation With Adhesive, Deduct</i>	-13.15	
			<i>For Clear Anodized, Add</i>	9.30	
			<i>For Satin Face And Enameled Return, Add</i>	27.89	
			<i>For Patina Finish, Add</i>	37.19	
			<i>For Color Anodized, Add</i>	46.49	
10 14 19 00-0012	EA		14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	179.00	16.34
			<i>For Installation With Adhesive, Deduct</i>	-15.49	
			<i>For Clear Anodized, Add</i>	11.37	
			<i>For Satin Face And Enameled Return, Add</i>	34.10	
			<i>For Patina Finish, Add</i>	45.46	
			<i>For Color Anodized, Add</i>	56.83	
10 14 19 00-0013	EA		15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	196.63	18.16
			<i>For Installation With Adhesive, Deduct</i>	-17.10	
			<i>For Clear Anodized, Add</i>	12.40	
			<i>For Satin Face And Enameled Return, Add</i>	37.19	
			<i>For Patina Finish, Add</i>	49.59	
			<i>For Color Anodized, Add</i>	61.99	
10 14 19 00-0014	EA		16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	219.63	19.61
			<i>For Installation With Adhesive, Deduct</i>	-18.82	
			<i>For Clear Anodized, Add</i>	14.12	
			<i>For Satin Face And Enameled Return, Add</i>	42.36	
			<i>For Patina Finish, Add</i>	56.48	
			<i>For Color Anodized, Add</i>	70.60	
10 14 19 00-0015	EA		18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	266.22	21.78
			<i>For Installation With Adhesive, Deduct</i>	-22.03	
			<i>For Clear Anodized, Add</i>	17.91	
			<i>For Satin Face And Enameled Return, Add</i>	53.72	
			<i>For Patina Finish, Add</i>	71.63	
			<i>For Color Anodized, Add</i>	89.54	
10 14 19 00-0016	EA		20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	321.88	24.51
			<i>For Installation With Adhesive, Deduct</i>	-25.90	
			<i>For Clear Anodized, Add</i>	22.39	
			<i>For Satin Face And Enameled Return, Add</i>	67.16	
			<i>For Patina Finish, Add</i>	89.54	
			<i>For Color Anodized, Add</i>	111.93	
10 14 19 00-0017	EA		24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	387.87	27.23
			<i>For Installation With Adhesive, Deduct</i>	-30.29	
			<i>For Clear Anodized, Add</i>	27.90	
			<i>For Satin Face And Enameled Return, Add</i>	83.69	
			<i>For Patina Finish, Add</i>	111.58	
			<i>For Color Anodized, Add</i>	139.48	
<b>10 14 19 00-0018</b>			<b>Satin Finish, Cast Bronze Characters</b> <small>(10 14 19 00-0001)</small>		
10 14 19 00-0019	EA		2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs .....	60.23	7.49
			<i>For Installation With Adhesive, Deduct</i>	-6.01	
			<i>For Oxidized Finish, Add</i>	4.54	
			<i>For Polished Or Patina Finish, Add</i>	9.08	
10 14 19 00-0020	EA		3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs .....	86.01	8.17
			<i>For Installation With Adhesive, Deduct</i>	-7.57	
			<i>For Oxidized Finish, Add</i>	8.00	
			<i>For Polished Or Patina Finish, Add</i>	16.00	
10 14 19 00-0021	EA		4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs .....	93.96	8.72
			<i>For Installation With Adhesive, Deduct</i>	-8.18	
			<i>For Oxidized Finish, Add</i>	8.87	
			<i>For Polished Or Patina Finish, Add</i>	17.73	
10 14 19 00-0022	EA		5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs .....	114.16	9.80
			<i>For Installation With Adhesive, Deduct</i>	-9.63	
			<i>For Oxidized Finish, Add</i>	11.24	
			<i>For Polished Or Patina Finish, Add</i>	22.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0023	EA		6" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	126.98	10.46
			<i>For Installation With Adhesive, Deduct</i>	-10.54	
			<i>For Oxidized Finish, Add</i>	12.76	
			<i>For Polished Or Patina Finish, Add</i>	25.51	
10 14 19 00-0024	EA		8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	169.01	11.98
			<i>For Installation With Adhesive, Deduct</i>	-13.24	
			<i>For Oxidized Finish, Add</i>	18.16	
			<i>For Polished Or Patina Finish, Add</i>	36.32	
10 14 19 00-0025	EA		9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	192.80	12.52
			<i>For Installation With Adhesive, Deduct</i>	-14.65	
			<i>For Oxidized Finish, Add</i>	21.41	
			<i>For Polished Or Patina Finish, Add</i>	42.81	
10 14 19 00-0026	EA		10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	215.90	13.62
			<i>For Installation With Adhesive, Deduct</i>	-16.24	
			<i>For Oxidized Finish, Add</i>	24.22	
			<i>For Polished Or Patina Finish, Add</i>	48.43	
10 14 19 00-0027	EA		12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	256.33	15.79
			<i>For Installation With Adhesive, Deduct</i>	-19.13	
			<i>For Oxidized Finish, Add</i>	28.97	
			<i>For Polished Or Patina Finish, Add</i>	57.95	
10 14 19 00-0028	EA		14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	301.08	17.97
			<i>For Installation With Adhesive, Deduct</i>	-22.24	
			<i>For Oxidized Finish, Add</i>	34.38	
			<i>For Polished Or Patina Finish, Add</i>	68.76	
10 14 19 00-0029	EA		15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	356.69	21.78
			<i>For Installation With Adhesive, Deduct</i>	-26.55	
			<i>For Oxidized Finish, Add</i>	40.43	
			<i>For Polished Or Patina Finish, Add</i>	80.87	
10 14 19 00-0030	EA		16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	370.43	23.42
			<i>For Installation With Adhesive, Deduct</i>	-27.89	
			<i>For Oxidized Finish, Add</i>	41.51	
			<i>For Polished Or Patina Finish, Add</i>	83.03	
10 14 19 00-0031	EA		18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	525.49	27.23
			<i>For Installation With Adhesive, Deduct</i>	-37.17	
			<i>For Oxidized Finish, Add</i>	62.49	
			<i>For Polished Or Patina Finish, Add</i>	124.97	
10 14 19 00-0032	EA		20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	632.81	30.64
			<i>For Installation With Adhesive, Deduct</i>	-43.89	
			<i>For Oxidized Finish, Add</i>	76.54	
			<i>For Polished Or Patina Finish, Add</i>	153.08	
10 14 19 00-0033	EA		24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	804.67	35.40
			<i>For Installation With Adhesive, Deduct</i>	-54.39	
			<i>For Oxidized Finish, Add</i>	99.46	
			<i>For Polished Or Patina Finish, Add</i>	198.92	
10 14 19 00-0034			<b>Molded Characters</b> (10 14 19) Note: Any font.		
10 14 19 00-0035			<b>Molded Plastic Characters</b> (10 14 19 00-0034)		
10 14 19 00-0036	EA		4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	35.44	5.45
			<i>For Installation With Adhesive, Deduct</i>	-3.95	
10 14 19 00-0037	EA		5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	38.46	5.99
			<i>For Installation With Adhesive, Deduct</i>	-4.32	
10 14 19 00-0038	EA		6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	42.41	6.53
			<i>For Installation With Adhesive, Deduct</i>	-4.73	
10 14 19 00-0039	EA		8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	53.33	7.08
			<i>For Installation With Adhesive, Deduct</i>	-5.50	
10 14 19 00-0040	EA		9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	57.61	7.62
			<i>For Installation With Adhesive, Deduct</i>	-5.93	
10 14 19 00-0041	EA		10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	62.33	8.17
			<i>For Installation With Adhesive, Deduct</i>	-6.38	
10 14 19 00-0042	EA		12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	72.64	9.53
			<i>For Installation With Adhesive, Deduct</i>	-7.44	
10 14 19 00-0043	EA		15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	95.29	11.98
			<i>For Installation With Adhesive, Deduct</i>	-9.56	
10 14 19 00-0044	EA		18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	120.48	14.16
			<i>For Installation With Adhesive, Deduct</i>	-11.69	
10 14 19 00-0045	EA		24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	175.64	17.43
			<i>For Installation With Adhesive, Deduct</i>	-15.75	
10 14 19 00-0046	EA		30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	256.60	20.43
			<i>For Installation With Adhesive, Deduct</i>	-21.00	
10 14 19 00-0047	EA		36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	334.24	23.42
			<i>For Installation With Adhesive, Deduct</i>	-26.08	
10 14 19 00-0048	EA		48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	615.51	31.32
			<i>For Installation With Adhesive, Deduct</i>	-43.30	
10 14 19 00-0049			<b>Cutout Characters</b> (10 14 19) Note: Any font.		
10 14 19 00-0050			<b>Satin Finish, Aluminum Characters</b> (10 14 19 00-0049)		
10 14 19 00-0051			<b>1/4" Deep, Satin Finish, Aluminum Characters</b> (10 14 19 00-0050)		





<b>Specialties</b>	<b>10</b>
Information Specialties	10 10
Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0052	EA		2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	46.17	6.81
			<i>For Installation With Adhesive, Deduct</i>	-5.03	
			<i>For Clear Anodized, Add</i>	1.89	
			<i>For Satin Face And Enameled Return, Add</i>	6.63	
			<i>For Color Anodized, Add</i>	9.47	
			<i>For Polished Or Patina Finish, Add</i>	9.47	
			<i>For Polished Anodized Finish, Add</i>	14.21	
10 14 19 00-0053	EA		4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	64.31	7.89
			<i>For Installation With Adhesive, Deduct</i>	-6.37	
			<i>For Clear Anodized, Add</i>	3.27	
			<i>For Satin Face And Enameled Return, Add</i>	11.45	
			<i>For Color Anodized, Add</i>	16.36	
			<i>For Polished Or Patina Finish, Add</i>	16.36	
			<i>For Polished Anodized Finish, Add</i>	24.54	
10 14 19 00-0054	EA		6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	86.33	9.53
			<i>For Installation With Adhesive, Deduct</i>	-8.13	
			<i>For Clear Anodized, Add</i>	4.82	
			<i>For Satin Face And Enameled Return, Add</i>	16.87	
			<i>For Color Anodized, Add</i>	24.11	
			<i>For Polished Or Patina Finish, Add</i>	24.11	
			<i>For Polished Anodized Finish, Add</i>	36.16	
10 14 19 00-0055	EA		8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	105.56	10.89
			<i>For Installation With Adhesive, Deduct</i>	-9.64	
			<i>For Clear Anodized, Add</i>	6.20	
			<i>For Satin Face And Enameled Return, Add</i>	21.70	
			<i>For Color Anodized, Add</i>	31.00	
			<i>For Polished Or Patina Finish, Add</i>	31.00	
			<i>For Polished Anodized Finish, Add</i>	46.49	
10 14 19 00-0056	EA		10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	121.33	12.25
			<i>For Installation With Adhesive, Deduct</i>	-10.97	
			<i>For Clear Anodized, Add</i>	7.23	
			<i>For Satin Face And Enameled Return, Add</i>	25.31	
			<i>For Color Anodized, Add</i>	36.16	
			<i>For Polished Or Patina Finish, Add</i>	36.16	
			<i>For Polished Anodized Finish, Add</i>	54.24	
10 14 19 00-0057	EA		12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	139.30	14.16
			<i>For Installation With Adhesive, Deduct</i>	-12.63	
			<i>For Clear Anodized, Add</i>	8.27	
			<i>For Satin Face And Enameled Return, Add</i>	28.93	
			<i>For Color Anodized, Add</i>	41.33	
			<i>For Polished Or Patina Finish, Add</i>	41.33	
			<i>For Polished Anodized Finish, Add</i>	61.99	
10 14 19 00-0058	EA		14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	163.50	16.34
			<i>For Installation With Adhesive, Deduct</i>	-14.71	
			<i>For Clear Anodized, Add</i>	9.82	
			<i>For Satin Face And Enameled Return, Add</i>	34.35	
			<i>For Color Anodized, Add</i>	49.08	
			<i>For Polished Or Patina Finish, Add</i>	49.08	
			<i>For Polished Anodized Finish, Add</i>	73.61	
10 14 19 00-0059	EA		16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	193.80	19.61
			<i>For Installation With Adhesive, Deduct</i>	-17.53	
			<i>For Clear Anodized, Add</i>	11.54	
			<i>For Satin Face And Enameled Return, Add</i>	40.38	
			<i>For Color Anodized, Add</i>	57.69	
			<i>For Polished Or Patina Finish, Add</i>	57.69	
			<i>For Polished Anodized Finish, Add</i>	86.53	
10 14 19 00-0060	EA		18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	218.01	21.78
			<i>For Installation With Adhesive, Deduct</i>	-19.61	
			<i>For Clear Anodized, Add</i>	13.09	
			<i>For Satin Face And Enameled Return, Add</i>	45.80	
			<i>For Color Anodized, Add</i>	65.44	
			<i>For Polished Or Patina Finish, Add</i>	65.44	
			<i>For Polished Anodized Finish, Add</i>	98.15	
10 14 19 00-0061	EA		20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	261.61	24.51
			<i>For Installation With Adhesive, Deduct</i>	-22.88	
			<i>For Clear Anodized, Add</i>	16.36	
			<i>For Satin Face And Enameled Return, Add</i>	57.25	
			<i>For Color Anodized, Add</i>	81.79	
			<i>For Polished Or Patina Finish, Add</i>	81.79	
			<i>For Polished Anodized Finish, Add</i>	122.69	
10 14 19 00-0062	EA		22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	299.78	25.87
			<i>For Installation With Adhesive, Deduct</i>	-25.34	
			<i>For Clear Anodized, Add</i>	19.63	
			<i>For Satin Face And Enameled Return, Add</i>	68.71	
			<i>For Color Anodized, Add</i>	98.15	
			<i>For Polished Or Patina Finish, Add</i>	98.15	
			<i>For Polished Anodized Finish, Add</i>	147.23	
10 14 19 00-0063	EA		24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	370.65	27.23
			<i>For Installation With Adhesive, Deduct</i>	-29.42	
			<i>For Clear Anodized, Add</i>	26.17	
			<i>For Satin Face And Enameled Return, Add</i>	91.61	
			<i>For Color Anodized, Add</i>	130.87	
			<i>For Polished Or Patina Finish, Add</i>	130.87	
			<i>For Polished Anodized Finish, Add</i>	196.30	

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 10</b>	<b>Information Specialties</b>
	<b>10 14</b>	<b>Signage</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0064 EA 30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	529.63	32.68
For Installation With Adhesive, Deduct	-39.55	
For Clear Anodized, Add	39.89	
For Satin Face And Enameled Return, Add	139.62	
For Color Anodized, Add	199.46	
For Polished Or Patina Finish, Add	199.46	
For Polished Anodized Finish, Add	299.18	
<b>10 14 19 00-0065 3/8" Deep, Satin Finish, Aluminum Characters</b> <small>(10 14 19 00-0050)</small>		
10 14 19 00-0066 EA 2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	58.29	6.81
For Installation With Adhesive, Deduct	-5.64	
For Clear Anodized, Add	3.11	
For Satin Face And Enameled Return, Add	10.87	
For Color Anodized, Add	15.53	
For Polished Or Patina Finish, Add	15.53	
For Polished Anodized Finish, Add	23.30	
10 14 19 00-0067 EA 4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	83.28	7.89
For Installation With Adhesive, Deduct	-7.32	
For Clear Anodized, Add	5.17	
For Satin Face And Enameled Return, Add	18.09	
For Color Anodized, Add	25.85	
For Polished Or Patina Finish, Add	25.85	
For Polished Anodized Finish, Add	38.77	
10 14 19 00-0068 EA 6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	105.14	9.53
For Installation With Adhesive, Deduct	-9.07	
For Clear Anodized, Add	6.70	
For Satin Face And Enameled Return, Add	23.46	
For Color Anodized, Add	33.51	
For Polished Or Patina Finish, Add	33.51	
For Polished Anodized Finish, Add	50.27	
10 14 19 00-0069 EA 8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	131.59	10.89
For Installation With Adhesive, Deduct	-10.94	
For Clear Anodized, Add	8.80	
For Satin Face And Enameled Return, Add	30.81	
For Color Anodized, Add	44.01	
For Polished Or Patina Finish, Add	44.01	
For Polished Anodized Finish, Add	66.02	
10 14 19 00-0070 EA 10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	152.43	12.25
For Installation With Adhesive, Deduct	-12.52	
For Clear Anodized, Add	10.34	
For Satin Face And Enameled Return, Add	36.20	
For Color Anodized, Add	51.71	
For Polished Or Patina Finish, Add	51.71	
For Polished Anodized Finish, Add	77.57	
10 14 19 00-0071 EA 12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	178.97	14.16
For Installation With Adhesive, Deduct	-14.61	
For Clear Anodized, Add	12.23	
For Satin Face And Enameled Return, Add	42.81	
For Color Anodized, Add	61.16	
For Polished Or Patina Finish, Add	61.16	
For Polished Anodized Finish, Add	91.74	
10 14 19 00-0072 EA 14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	209.63	16.34
For Installation With Adhesive, Deduct	-17.02	
For Clear Anodized, Add	14.43	
For Satin Face And Enameled Return, Add	50.50	
For Color Anodized, Add	72.14	
For Polished Or Patina Finish, Add	72.14	
For Polished Anodized Finish, Add	108.21	
10 14 19 00-0073 EA 16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	259.56	19.61
For Installation With Adhesive, Deduct	-20.82	
For Clear Anodized, Add	18.11	
For Satin Face And Enameled Return, Add	63.40	
For Color Anodized, Add	90.57	
For Polished Or Patina Finish, Add	90.57	
For Polished Anodized Finish, Add	135.85	
10 14 19 00-0074 EA 18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	300.45	21.78
For Installation With Adhesive, Deduct	-23.74	
For Clear Anodized, Add	21.33	
For Satin Face And Enameled Return, Add	74.66	
For Color Anodized, Add	106.66	
For Polished Or Patina Finish, Add	106.66	
For Polished Anodized Finish, Add	159.98	
10 14 19 00-0075 EA 20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	348.31	24.51
For Installation With Adhesive, Deduct	-27.22	
For Clear Anodized, Add	25.03	
For Satin Face And Enameled Return, Add	87.60	
For Color Anodized, Add	125.14	
For Polished Or Patina Finish, Add	125.14	
For Polished Anodized Finish, Add	187.71	
10 14 19 00-0076 EA 22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	390.08	25.87
For Installation With Adhesive, Deduct	-29.85	
For Clear Anodized, Add	28.66	
For Satin Face And Enameled Return, Add	100.31	
For Color Anodized, Add	143.30	
For Polished Or Patina Finish, Add	143.30	
For Polished Anodized Finish, Add	214.95	



<b>Specialties</b>	<b>10</b>
Information Specialties	10 10
Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0077	EA		24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	433.47	27.23
			<i>For Installation With Adhesive, Deduct</i>	-32.57	
			<i>For Clear Anodized, Add</i>	32.46	
			<i>For Satin Face And Enameled Return, Add</i>	113.59	
			<i>For Color Anodized, Add</i>	162.28	
			<i>For Polished Or Patina Finish, Add</i>	162.28	
			<i>For Polished Anodized Finish, Add</i>	243.41	
10 14 19 00-0078	EA		30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	595.64	32.68
			<i>For Installation With Adhesive, Deduct</i>	-42.85	
			<i>For Clear Anodized, Add</i>	46.49	
			<i>For Satin Face And Enameled Return, Add</i>	162.72	
			<i>For Color Anodized, Add</i>	232.46	
			<i>For Polished Or Patina Finish, Add</i>	232.46	
			<i>For Polished Anodized Finish, Add</i>	348.69	
10 14 19 00-0079			<b>1/2" Deep, Satin Finish, Aluminum Characters</b> <small>(10 14 19 00-0050)</small>		
10 14 19 00-0080	EA		2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	72.31	6.81
			<i>For Installation With Adhesive, Deduct</i>	-6.34	
			<i>For Clear Anodized, Add</i>	4.51	
			<i>For Satin Face And Enameled Return, Add</i>	15.78	
			<i>For Color Anodized, Add</i>	22.54	
			<i>For Polished Or Patina Finish, Add</i>	22.54	
			<i>For Polished Anodized Finish, Add</i>	33.81	
10 14 19 00-0081	EA		4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	93.42	7.89
			<i>For Installation With Adhesive, Deduct</i>	-7.83	
			<i>For Clear Anodized, Add</i>	6.18	
			<i>For Satin Face And Enameled Return, Add</i>	21.64	
			<i>For Color Anodized, Add</i>	30.92	
			<i>For Polished Or Patina Finish, Add</i>	30.92	
			<i>For Polished Anodized Finish, Add</i>	46.37	
10 14 19 00-0082	EA		6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	117.19	9.53
			<i>For Installation With Adhesive, Deduct</i>	-9.67	
			<i>For Clear Anodized, Add</i>	7.91	
			<i>For Satin Face And Enameled Return, Add</i>	27.67	
			<i>For Color Anodized, Add</i>	39.54	
			<i>For Polished Or Patina Finish, Add</i>	39.54	
			<i>For Polished Anodized Finish, Add</i>	59.30	
10 14 19 00-0083	EA		8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	138.41	10.89
			<i>For Installation With Adhesive, Deduct</i>	-11.28	
			<i>For Clear Anodized, Add</i>	9.48	
			<i>For Satin Face And Enameled Return, Add</i>	33.19	
			<i>For Color Anodized, Add</i>	47.42	
			<i>For Polished Or Patina Finish, Add</i>	47.42	
			<i>For Polished Anodized Finish, Add</i>	71.13	
10 14 19 00-0084	EA		10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	161.11	12.25
			<i>For Installation With Adhesive, Deduct</i>	-12.96	
			<i>For Clear Anodized, Add</i>	11.21	
			<i>For Satin Face And Enameled Return, Add</i>	39.24	
			<i>For Color Anodized, Add</i>	56.05	
			<i>For Polished Or Patina Finish, Add</i>	56.05	
			<i>For Polished Anodized Finish, Add</i>	84.08	
10 14 19 00-0085	EA		12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	197.98	14.16
			<i>For Installation With Adhesive, Deduct</i>	-15.56	
			<i>For Clear Anodized, Add</i>	14.13	
			<i>For Satin Face And Enameled Return, Add</i>	49.47	
			<i>For Color Anodized, Add</i>	70.67	
			<i>For Polished Or Patina Finish, Add</i>	70.67	
			<i>For Polished Anodized Finish, Add</i>	106.00	
10 14 19 00-0086	EA		14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	243.98	16.34
			<i>For Installation With Adhesive, Deduct</i>	-18.73	
			<i>For Clear Anodized, Add</i>	17.86	
			<i>For Satin Face And Enameled Return, Add</i>	62.52	
			<i>For Color Anodized, Add</i>	89.32	
			<i>For Polished Or Patina Finish, Add</i>	89.32	
			<i>For Polished Anodized Finish, Add</i>	133.97	
10 14 19 00-0087	EA		16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	295.32	19.61
			<i>For Installation With Adhesive, Deduct</i>	-22.61	
			<i>For Clear Anodized, Add</i>	21.69	
			<i>For Satin Face And Enameled Return, Add</i>	75.91	
			<i>For Color Anodized, Add</i>	108.45	
			<i>For Polished Or Patina Finish, Add</i>	108.45	
			<i>For Polished Anodized Finish, Add</i>	162.67	
10 14 19 00-0088	EA		18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	358.03	21.78
			<i>For Installation With Adhesive, Deduct</i>	-26.62	
			<i>For Clear Anodized, Add</i>	27.09	
			<i>For Satin Face And Enameled Return, Add</i>	94.81	
			<i>For Color Anodized, Add</i>	135.45	
			<i>For Polished Or Patina Finish, Add</i>	135.45	
			<i>For Polished Anodized Finish, Add</i>	203.17	
10 14 19 00-0089	EA		20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	421.92	24.51
			<i>For Installation With Adhesive, Deduct</i>	-30.90	
			<i>For Clear Anodized, Add</i>	32.39	
			<i>For Satin Face And Enameled Return, Add</i>	113.36	
			<i>For Color Anodized, Add</i>	161.95	
			<i>For Polished Or Patina Finish, Add</i>	161.95	
			<i>For Polished Anodized Finish, Add</i>	242.92	

**10 Specialties**  
**10 10 Information Specialties**  
 10 14 Signage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0090	EA		22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	484.30	25.87
			<i>For Installation With Adhesive, Deduct</i>	-34.56	
			<i>For Clear Anodized, Add</i>	38.08	
			<i>For Satin Face And Enameled Return, Add</i>	133.29	
			<i>For Color Anodized, Add</i>	190.41	
			<i>For Polished Or Patina Finish, Add</i>	190.41	
			<i>For Polished Anodized Finish, Add</i>	285.62	
10 14 19 00-0091	EA		24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	543.39	27.23
			<i>For Installation With Adhesive, Deduct</i>	-38.06	
			<i>For Clear Anodized, Add</i>	43.45	
			<i>For Satin Face And Enameled Return, Add</i>	152.06	
			<i>For Color Anodized, Add</i>	217.24	
			<i>For Polished Or Patina Finish, Add</i>	217.24	
			<i>For Polished Anodized Finish, Add</i>	325.85	
10 14 19 00-0092	EA		30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	753.71	32.68
			<i>For Installation With Adhesive, Deduct</i>	-50.76	
			<i>For Clear Anodized, Add</i>	62.30	
			<i>For Satin Face And Enameled Return, Add</i>	218.05	
			<i>For Color Anodized, Add</i>	311.50	
			<i>For Polished Or Patina Finish, Add</i>	311.50	
			<i>For Polished Anodized Finish, Add</i>	467.24	
<b>10 14 19 00-0093</b>			<b>3/4" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)</b>		
10 14 19 00-0094	EA		2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	75.53	6.81
			<i>For Installation With Adhesive, Deduct</i>	-6.50	
			<i>For Clear Anodized, Add</i>	4.83	
			<i>For Satin Face And Enameled Return, Add</i>	16.91	
			<i>For Color Anodized, Add</i>	24.15	
			<i>For Polished Or Patina Finish, Add</i>	24.15	
			<i>For Polished Anodized Finish, Add</i>	36.23	
10 14 19 00-0095	EA		4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	97.02	7.89
			<i>For Installation With Adhesive, Deduct</i>	-8.01	
			<i>For Clear Anodized, Add</i>	6.54	
			<i>For Satin Face And Enameled Return, Add</i>	22.90	
			<i>For Color Anodized, Add</i>	32.72	
			<i>For Polished Or Patina Finish, Add</i>	32.72	
			<i>For Polished Anodized Finish, Add</i>	49.07	
10 14 19 00-0096	EA		6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	127.80	9.53
			<i>For Installation With Adhesive, Deduct</i>	-10.20	
			<i>For Clear Anodized, Add</i>	8.97	
			<i>For Satin Face And Enameled Return, Add</i>	31.39	
			<i>For Color Anodized, Add</i>	44.84	
			<i>For Polished Or Patina Finish, Add</i>	44.84	
			<i>For Polished Anodized Finish, Add</i>	67.26	
10 14 19 00-0097	EA		8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	169.41	10.89
			<i>For Installation With Adhesive, Deduct</i>	-12.83	
			<i>For Clear Anodized, Add</i>	12.58	
			<i>For Satin Face And Enameled Return, Add</i>	44.04	
			<i>For Color Anodized, Add</i>	62.92	
			<i>For Polished Or Patina Finish, Add</i>	62.92	
			<i>For Polished Anodized Finish, Add</i>	94.38	
10 14 19 00-0098	EA		10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	212.45	12.25
			<i>For Installation With Adhesive, Deduct</i>	-15.52	
			<i>For Clear Anodized, Add</i>	16.34	
			<i>For Satin Face And Enameled Return, Add</i>	57.20	
			<i>For Color Anodized, Add</i>	81.72	
			<i>For Polished Or Patina Finish, Add</i>	81.72	
			<i>For Polished Anodized Finish, Add</i>	122.58	
10 14 19 00-0099	EA		12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	266.59	14.16
			<i>For Installation With Adhesive, Deduct</i>	-18.99	
			<i>For Clear Anodized, Add</i>	20.99	
			<i>For Satin Face And Enameled Return, Add</i>	73.48	
			<i>For Color Anodized, Add</i>	104.97	
			<i>For Polished Or Patina Finish, Add</i>	104.97	
			<i>For Polished Anodized Finish, Add</i>	157.46	
10 14 19 00-0100	EA		14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	332.32	16.34
			<i>For Installation With Adhesive, Deduct</i>	-23.15	
			<i>For Clear Anodized, Add</i>	26.70	
			<i>For Satin Face And Enameled Return, Add</i>	93.44	
			<i>For Color Anodized, Add</i>	133.49	
			<i>For Polished Or Patina Finish, Add</i>	133.49	
			<i>For Polished Anodized Finish, Add</i>	200.23	
10 14 19 00-0101	EA		16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	410.69	19.61
			<i>For Installation With Adhesive, Deduct</i>	-28.38	
			<i>For Clear Anodized, Add</i>	33.23	
			<i>For Satin Face And Enameled Return, Add</i>	116.29	
			<i>For Color Anodized, Add</i>	166.13	
			<i>For Polished Or Patina Finish, Add</i>	166.13	
			<i>For Polished Anodized Finish, Add</i>	249.20	
10 14 19 00-0102	EA		18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	501.98	21.78
			<i>For Installation With Adhesive, Deduct</i>	-33.81	
			<i>For Clear Anodized, Add</i>	41.48	
			<i>For Satin Face And Enameled Return, Add</i>	145.19	
			<i>For Color Anodized, Add</i>	207.42	
			<i>For Polished Or Patina Finish, Add</i>	207.42	
			<i>For Polished Anodized Finish, Add</i>	311.13	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Signage	10 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0103	EA		20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	596.96	24.51
			<i>For Installation With Adhesive, Deduct</i>	-39.65	
			<i>For Clear Anodized, Add</i>	49.89	
			<i>For Satin Face And Enameled Return, Add</i>	174.63	
			<i>For Color Anodized, Add</i>	249.47	
			<i>For Polished Or Patina Finish, Add</i>	249.47	
			<i>For Polished Anodized Finish, Add</i>	374.20	
10 14 19 00-0104	EA		22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	692.38	25.87
			<i>For Installation With Adhesive, Deduct</i>	-44.97	
			<i>For Clear Anodized, Add</i>	58.89	
			<i>For Satin Face And Enameled Return, Add</i>	206.12	
			<i>For Color Anodized, Add</i>	294.45	
			<i>For Polished Or Patina Finish, Add</i>	294.45	
			<i>For Polished Anodized Finish, Add</i>	441.68	
10 14 19 00-0105	EA		24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	792.04	27.23
			<i>For Installation With Adhesive, Deduct</i>	-50.49	
			<i>For Clear Anodized, Add</i>	68.31	
			<i>For Satin Face And Enameled Return, Add</i>	239.09	
			<i>For Color Anodized, Add</i>	341.56	
			<i>For Polished Or Patina Finish, Add</i>	341.56	
			<i>For Polished Anodized Finish, Add</i>	512.34	
10 14 19 00-0106	EA		30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	1,088.45	32.68
			<i>For Installation With Adhesive, Deduct</i>	-67.49	
			<i>For Clear Anodized, Add</i>	95.77	
			<i>For Satin Face And Enameled Return, Add</i>	335.21	
			<i>For Color Anodized, Add</i>	478.87	
			<i>For Polished Or Patina Finish, Add</i>	478.87	
			<i>For Polished Anodized Finish, Add</i>	718.30	
10 14 19 00-0107			<b>1" Deep, Satin Finish, Aluminum Characters</b> <small>(10 14 19 00-0050)</small>		
10 14 19 00-0108	EA		2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	84.05	6.81
			<i>For Installation With Adhesive, Deduct</i>	-6.93	
			<i>For Clear Anodized, Add</i>	5.68	
			<i>For Satin Face And Enameled Return, Add</i>	19.89	
			<i>For Color Anodized, Add</i>	28.41	
			<i>For Polished Or Patina Finish, Add</i>	28.41	
			<i>For Polished Anodized Finish, Add</i>	42.62	
10 14 19 00-0109	EA		4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	103.89	7.89
			<i>For Installation With Adhesive, Deduct</i>	-8.35	
			<i>For Clear Anodized, Add</i>	7.23	
			<i>For Satin Face And Enameled Return, Add</i>	25.31	
			<i>For Color Anodized, Add</i>	36.15	
			<i>For Polished Or Patina Finish, Add</i>	36.15	
			<i>For Polished Anodized Finish, Add</i>	54.23	
10 14 19 00-0110	EA		6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	136.48	9.53
			<i>For Installation With Adhesive, Deduct</i>	-10.64	
			<i>For Clear Anodized, Add</i>	9.84	
			<i>For Satin Face And Enameled Return, Add</i>	34.43	
			<i>For Color Anodized, Add</i>	49.18	
			<i>For Polished Or Patina Finish, Add</i>	49.18	
			<i>For Polished Anodized Finish, Add</i>	73.77	
10 14 19 00-0111	EA		8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	186.76	10.89
			<i>For Installation With Adhesive, Deduct</i>	-13.70	
			<i>For Clear Anodized, Add</i>	14.32	
			<i>For Satin Face And Enameled Return, Add</i>	50.12	
			<i>For Color Anodized, Add</i>	71.60	
			<i>For Polished Or Patina Finish, Add</i>	71.60	
			<i>For Polished Anodized Finish, Add</i>	107.39	
10 14 19 00-0112	EA		10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	253.68	12.25
			<i>For Installation With Adhesive, Deduct</i>	-17.59	
			<i>For Clear Anodized, Add</i>	20.47	
			<i>For Satin Face And Enameled Return, Add</i>	71.63	
			<i>For Color Anodized, Add</i>	102.34	
			<i>For Polished Or Patina Finish, Add</i>	102.34	
			<i>For Polished Anodized Finish, Add</i>	153.50	
10 14 19 00-0113	EA		12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	331.88	14.16
			<i>For Installation With Adhesive, Deduct</i>	-22.26	
			<i>For Clear Anodized, Add</i>	27.52	
			<i>For Satin Face And Enameled Return, Add</i>	96.33	
			<i>For Color Anodized, Add</i>	137.62	
			<i>For Polished Or Patina Finish, Add</i>	137.62	
			<i>For Polished Anodized Finish, Add</i>	206.42	
10 14 19 00-0114	EA		14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	419.67	16.34
			<i>For Installation With Adhesive, Deduct</i>	-27.52	
			<i>For Clear Anodized, Add</i>	35.43	
			<i>For Satin Face And Enameled Return, Add</i>	124.01	
			<i>For Color Anodized, Add</i>	177.16	
			<i>For Polished Or Patina Finish, Add</i>	177.16	
			<i>For Polished Anodized Finish, Add</i>	265.74	
10 14 19 00-0115	EA		16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	521.44	19.61
			<i>For Installation With Adhesive, Deduct</i>	-33.92	
			<i>For Clear Anodized, Add</i>	44.30	
			<i>For Satin Face And Enameled Return, Add</i>	155.05	
			<i>For Color Anodized, Add</i>	221.51	
			<i>For Polished Or Patina Finish, Add</i>	221.51	
			<i>For Polished Anodized Finish, Add</i>	332.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0116	EA		18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	631.54	21.78
			<i>For Installation With Adhesive, Deduct</i>	-40.29	
			<i>For Clear Anodized, Add</i>	54.44	
			<i>For Satin Face And Enameled Return, Add</i>	190.54	
			<i>For Color Anodized, Add</i>	272.20	
			<i>For Polished Or Patina Finish, Add</i>	272.20	
			<i>For Polished Anodized Finish, Add</i>	408.30	
10 14 19 00-0117	EA		20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	776.90	24.51
			<i>For Installation With Adhesive, Deduct</i>	-48.65	
			<i>For Clear Anodized, Add</i>	67.89	
			<i>For Satin Face And Enameled Return, Add</i>	237.60	
			<i>For Color Anodized, Add</i>	339.44	
			<i>For Polished Or Patina Finish, Add</i>	339.44	
			<i>For Polished Anodized Finish, Add</i>	509.15	
10 14 19 00-0118	EA		22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	925.97	25.87
			<i>For Installation With Adhesive, Deduct</i>	-56.65	
			<i>For Clear Anodized, Add</i>	82.25	
			<i>For Satin Face And Enameled Return, Add</i>	287.87	
			<i>For Color Anodized, Add</i>	411.25	
			<i>For Polished Or Patina Finish, Add</i>	411.25	
			<i>For Polished Anodized Finish, Add</i>	616.87	
10 14 19 00-0119	EA		24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,093.03	27.23
			<i>For Installation With Adhesive, Deduct</i>	-65.54	
			<i>For Clear Anodized, Add</i>	98.41	
			<i>For Satin Face And Enameled Return, Add</i>	344.44	
			<i>For Color Anodized, Add</i>	492.06	
			<i>For Polished Or Patina Finish, Add</i>	492.06	
			<i>For Polished Anodized Finish, Add</i>	738.08	
10 14 19 00-0120	EA		30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,544.07	32.68
			<i>For Installation With Adhesive, Deduct</i>	-90.28	
			<i>For Clear Anodized, Add</i>	141.34	
			<i>For Satin Face And Enameled Return, Add</i>	494.67	
			<i>For Color Anodized, Add</i>	706.68	
			<i>For Polished Or Patina Finish, Add</i>	706.68	
			<i>For Polished Anodized Finish, Add</i>	1,060.01	
10 14 19 00-0121			Satin Finish, Brass Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0122			1/4" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>		
10 14 19 00-0123	EA		2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	62.76	6.81
			<i>For Installation With Adhesive, Deduct</i>	-5.86	
			<i>For Oxidized Finish, Add</i>	5.33	
			<i>For Polished Finish, Add</i>	10.66	
10 14 19 00-0124	EA		4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	81.03	7.89
			<i>For Installation With Adhesive, Deduct</i>	-7.21	
			<i>For Oxidized Finish, Add</i>	7.42	
			<i>For Polished Finish, Add</i>	14.83	
10 14 19 00-0125	EA		6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	111.72	9.53
			<i>For Installation With Adhesive, Deduct</i>	-9.40	
			<i>For Oxidized Finish, Add</i>	11.04	
			<i>For Polished Finish, Add</i>	22.08	
10 14 19 00-0126	EA		8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	146.36	10.89
			<i>For Installation With Adhesive, Deduct</i>	-11.68	
			<i>For Oxidized Finish, Add</i>	15.42	
			<i>For Polished Finish, Add</i>	30.84	
10 14 19 00-0127	EA		10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	187.33	12.25
			<i>For Installation With Adhesive, Deduct</i>	-14.27	
			<i>For Oxidized Finish, Add</i>	20.75	
			<i>For Polished Finish, Add</i>	41.50	
10 14 19 00-0128	EA		12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	236.84	14.16
			<i>For Installation With Adhesive, Deduct</i>	-17.51	
			<i>For Oxidized Finish, Add</i>	27.03	
			<i>For Polished Finish, Add</i>	54.06	
10 14 19 00-0129	EA		14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	296.30	16.34
			<i>For Installation With Adhesive, Deduct</i>	-21.35	
			<i>For Oxidized Finish, Add</i>	34.64	
			<i>For Polished Finish, Add</i>	69.29	
10 14 19 00-0130	EA		16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	361.41	19.61
			<i>For Installation With Adhesive, Deduct</i>	-25.91	
			<i>For Oxidized Finish, Add</i>	42.45	
			<i>For Polished Finish, Add</i>	84.89	
10 14 19 00-0131	EA		18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	438.83	21.78
			<i>For Installation With Adhesive, Deduct</i>	-30.66	
			<i>For Oxidized Finish, Add</i>	52.75	
			<i>For Polished Finish, Add</i>	105.51	
10 14 19 00-0132	EA		20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	521.87	24.51
			<i>For Installation With Adhesive, Deduct</i>	-35.90	
			<i>For Oxidized Finish, Add</i>	63.58	
			<i>For Polished Finish, Add</i>	127.15	
10 14 19 00-0133	EA		22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	641.53	25.87
			<i>For Installation With Adhesive, Deduct</i>	-42.42	
			<i>For Oxidized Finish, Add</i>	80.71	
			<i>For Polished Finish, Add</i>	161.42	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0134 EA 24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	703.53	27.23
For Installation With Adhesive, Deduct	-46.07	
For Oxidized Finish, Add	89.19	
For Polished Finish, Add	178.38	
10 14 19 00-0135 EA 30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,057.86	32.68
For Installation With Adhesive, Deduct	-65.97	
For Oxidized Finish, Add	139.07	
For Polished Finish, Add	278.14	
<b>10 14 19 00-0136 3/8" Deep, Satin Finish, Brass Characters</b> <small>(10 14 19 00-0121)</small>		
10 14 19 00-0137 EA 2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	75.20	6.81
For Installation With Adhesive, Deduct	-6.48	
For Oxidized Finish, Add	7.20	
For Polished Finish, Add	14.39	
10 14 19 00-0138 EA 4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	98.34	7.89
For Installation With Adhesive, Deduct	-8.08	
For Oxidized Finish, Add	10.01	
For Polished Finish, Add	20.03	
10 14 19 00-0139 EA 6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	141.16	9.53
For Installation With Adhesive, Deduct	-10.87	
For Oxidized Finish, Add	15.46	
For Polished Finish, Add	30.91	
10 14 19 00-0140 EA 8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	187.47	10.89
For Installation With Adhesive, Deduct	-13.73	
For Oxidized Finish, Add	21.59	
For Polished Finish, Add	43.17	
10 14 19 00-0141 EA 10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	249.57	12.25
For Installation With Adhesive, Deduct	-17.38	
For Oxidized Finish, Add	30.08	
For Polished Finish, Add	60.17	
10 14 19 00-0142 EA 12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	317.93	14.16
For Installation With Adhesive, Deduct	-21.56	
For Oxidized Finish, Add	39.19	
For Polished Finish, Add	78.38	
10 14 19 00-0143 EA 14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	400.23	16.34
For Installation With Adhesive, Deduct	-26.55	
For Oxidized Finish, Add	50.23	
For Polished Finish, Add	100.46	
10 14 19 00-0144 EA 16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	474.60	19.61
For Installation With Adhesive, Deduct	-31.57	
For Oxidized Finish, Add	59.43	
For Polished Finish, Add	118.85	
10 14 19 00-0145 EA 18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	597.09	21.78
For Installation With Adhesive, Deduct	-38.57	
For Oxidized Finish, Add	76.49	
For Polished Finish, Add	152.99	
10 14 19 00-0146 EA 20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	691.40	24.51
For Installation With Adhesive, Deduct	-44.37	
For Oxidized Finish, Add	89.01	
For Polished Finish, Add	178.01	
10 14 19 00-0147 EA 22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	851.36	25.87
For Installation With Adhesive, Deduct	-52.92	
For Oxidized Finish, Add	112.18	
For Polished Finish, Add	224.36	
10 14 19 00-0148 EA 24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	971.10	27.23
For Installation With Adhesive, Deduct	-59.45	
For Oxidized Finish, Add	129.33	
For Polished Finish, Add	258.65	
10 14 19 00-0149 EA 30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,345.27	32.68
For Installation With Adhesive, Deduct	-80.34	
For Oxidized Finish, Add	182.18	
For Polished Finish, Add	364.37	
<b>10 14 19 00-0150 1/2" Deep, Satin Finish, Brass Characters</b> <small>(10 14 19 00-0121)</small>		
10 14 19 00-0151 EA 2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	94.74	6.81
For Installation With Adhesive, Deduct	-7.46	
For Oxidized Finish, Add	10.13	
For Polished Finish, Add	20.25	
10 14 19 00-0152 EA 4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	123.06	7.89
For Installation With Adhesive, Deduct	-9.31	
For Oxidized Finish, Add	13.72	
For Polished Finish, Add	27.44	
10 14 19 00-0153 EA 6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	177.96	9.53
For Installation With Adhesive, Deduct	-12.71	
For Oxidized Finish, Add	20.98	
For Polished Finish, Add	41.95	
10 14 19 00-0154 EA 8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	244.01	10.89
For Installation With Adhesive, Deduct	-16.56	
For Oxidized Finish, Add	30.07	
For Polished Finish, Add	60.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0155	EA		10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	339.48	12.25
			<i>For Installation With Adhesive, Deduct</i>	-21.88	
			<i>For Oxidized Finish, Add</i>	43.57	
			<i>For Polished Finish, Add</i>	87.14	
10 14 19 00-0156	EA		12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	453.08	14.16
			<i>For Installation With Adhesive, Deduct</i>	-28.32	
			<i>For Oxidized Finish, Add</i>	59.46	
			<i>For Polished Finish, Add</i>	118.93	
10 14 19 00-0157	EA		14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	561.90	16.34
			<i>For Installation With Adhesive, Deduct</i>	-34.63	
			<i>For Oxidized Finish, Add</i>	74.48	
			<i>For Polished Finish, Add</i>	148.97	
10 14 19 00-0158	EA		16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	669.86	19.61
			<i>For Installation With Adhesive, Deduct</i>	-41.34	
			<i>For Oxidized Finish, Add</i>	88.71	
			<i>For Polished Finish, Add</i>	177.43	
10 14 19 00-0159	EA		18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	913.61	21.78
			<i>For Installation With Adhesive, Deduct</i>	-54.39	
			<i>For Oxidized Finish, Add</i>	123.97	
			<i>For Polished Finish, Add</i>	247.94	
10 14 19 00-0160	EA		20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,030.47	24.51
			<i>For Installation With Adhesive, Deduct</i>	-61.33	
			<i>For Oxidized Finish, Add</i>	139.87	
			<i>For Polished Finish, Add</i>	279.73	
10 14 19 00-0161	EA		22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,287.18	25.87
			<i>For Installation With Adhesive, Deduct</i>	-74.71	
			<i>For Oxidized Finish, Add</i>	177.56	
			<i>For Polished Finish, Add</i>	355.11	
10 14 19 00-0162	EA		24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,506.25	27.23
			<i>For Installation With Adhesive, Deduct</i>	-86.20	
			<i>For Oxidized Finish, Add</i>	209.60	
			<i>For Polished Finish, Add</i>	419.20	
10 14 19 00-0163	EA		30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	2,272.41	32.68
			<i>For Installation With Adhesive, Deduct</i>	-126.69	
			<i>For Oxidized Finish, Add</i>	321.25	
			<i>For Polished Finish, Add</i>	642.51	
<b>10 14 19 00-0164</b>			<b>3/4" Deep, Satin Finish, Brass Characters</b> <small>(10 14 19 00-0121)</small>		
10 14 19 00-0165	EA		2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	116.06	6.81
			<i>For Installation With Adhesive, Deduct</i>	-8.53	
			<i>For Oxidized Finish, Add</i>	13.32	
			<i>For Polished Finish, Add</i>	26.65	
10 14 19 00-0166	EA		4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	162.61	7.89
			<i>For Installation With Adhesive, Deduct</i>	-11.29	
			<i>For Oxidized Finish, Add</i>	19.65	
			<i>For Polished Finish, Add</i>	39.31	
10 14 19 00-0167	EA		6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	222.12	9.53
			<i>For Installation With Adhesive, Deduct</i>	-14.92	
			<i>For Oxidized Finish, Add</i>	27.60	
			<i>For Polished Finish, Add</i>	55.20	
10 14 19 00-0168	EA		8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	300.54	10.89
			<i>For Installation With Adhesive, Deduct</i>	-19.38	
			<i>For Oxidized Finish, Add</i>	38.55	
			<i>For Polished Finish, Add</i>	77.09	
10 14 19 00-0169	EA		10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	408.64	12.25
			<i>For Installation With Adhesive, Deduct</i>	-25.33	
			<i>For Oxidized Finish, Add</i>	53.94	
			<i>For Polished Finish, Add</i>	107.89	
10 14 19 00-0170	EA		12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	561.20	14.16
			<i>For Installation With Adhesive, Deduct</i>	-33.73	
			<i>For Oxidized Finish, Add</i>	75.68	
			<i>For Polished Finish, Add</i>	151.37	
10 14 19 00-0171	EA		14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	700.47	16.34
			<i>For Installation With Adhesive, Deduct</i>	-41.56	
			<i>For Oxidized Finish, Add</i>	95.27	
			<i>For Polished Finish, Add</i>	190.54	
10 14 19 00-0172	EA		16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	817.01	19.61
			<i>For Installation With Adhesive, Deduct</i>	-48.69	
			<i>For Oxidized Finish, Add</i>	110.79	
			<i>For Polished Finish, Add</i>	221.57	
10 14 19 00-0173	EA		18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,089.45	21.78
			<i>For Installation With Adhesive, Deduct</i>	-63.19	
			<i>For Oxidized Finish, Add</i>	150.35	
			<i>For Polished Finish, Add</i>	300.69	
10 14 19 00-0174	EA		20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,191.53	24.51
			<i>For Installation With Adhesive, Deduct</i>	-69.38	
			<i>For Oxidized Finish, Add</i>	164.03	
			<i>For Polished Finish, Add</i>	328.05	
10 14 19 00-0175	EA		22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,513.16	25.87
			<i>For Installation With Adhesive, Deduct</i>	-86.01	
			<i>For Oxidized Finish, Add</i>	211.45	
			<i>For Polished Finish, Add</i>	422.90	





<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Signage	10 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0176	EA		24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,922.47	27.23
			<i>For Installation With Adhesive, Deduct</i>	-107.02	
			<i>For Oxidized Finish, Add</i>	272.03	
			<i>For Polished Finish, Add</i>	544.07	
10 14 19 00-0177	EA		30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	2,902.87	32.68
			<i>For Installation With Adhesive, Deduct</i>	-158.22	
			<i>For Oxidized Finish, Add</i>	415.82	
			<i>For Polished Finish, Add</i>	831.65	
<b>10 14 19 00-0178</b>			<b>Satin Finish, Bronze Characters</b> <small>(10 14 19 00-0049)</small>		
<b>10 14 19 00-0179</b>			<b>1/4" Deep, Satin Finish, Bronze Characters</b> <small>(10 14 19 00-0178)</small>		
10 14 19 00-0180	EA		2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	66.47	6.81
			<i>For Installation With Adhesive, Deduct</i>	-6.05	
			<i>For Oxidized Finish, Add</i>	5.89	
			<i>For Polished Or Patina Finish, Add</i>	11.77	
10 14 19 00-0181	EA		4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	86.24	7.89
			<i>For Installation With Adhesive, Deduct</i>	-7.47	
			<i>For Oxidized Finish, Add</i>	8.20	
			<i>For Polished Or Patina Finish, Add</i>	16.40	
10 14 19 00-0182	EA		6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	119.40	9.53
			<i>For Installation With Adhesive, Deduct</i>	-9.78	
			<i>For Oxidized Finish, Add</i>	12.19	
			<i>For Polished Or Patina Finish, Add</i>	24.38	
10 14 19 00-0183	EA		8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	157.08	10.89
			<i>For Installation With Adhesive, Deduct</i>	-12.21	
			<i>For Oxidized Finish, Add</i>	17.03	
			<i>For Polished Or Patina Finish, Add</i>	34.05	
10 14 19 00-0184	EA		10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	201.76	12.25
			<i>For Installation With Adhesive, Deduct</i>	-14.99	
			<i>For Oxidized Finish, Add</i>	22.91	
			<i>For Polished Or Patina Finish, Add</i>	45.83	
10 14 19 00-0185	EA		12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	255.65	14.16
			<i>For Installation With Adhesive, Deduct</i>	-18.45	
			<i>For Oxidized Finish, Add</i>	29.85	
			<i>For Polished Or Patina Finish, Add</i>	59.70	
10 14 19 00-0186	EA		14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	320.40	16.34
			<i>For Installation With Adhesive, Deduct</i>	-22.56	
			<i>For Oxidized Finish, Add</i>	38.26	
			<i>For Polished Or Patina Finish, Add</i>	76.52	
10 14 19 00-0187	EA		16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	397.95	19.61
			<i>For Installation With Adhesive, Deduct</i>	-27.74	
			<i>For Oxidized Finish, Add</i>	47.93	
			<i>For Polished Or Patina Finish, Add</i>	95.86	
10 14 19 00-0188	EA		18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	476.73	21.78
			<i>For Installation With Adhesive, Deduct</i>	-32.55	
			<i>For Oxidized Finish, Add</i>	58.44	
			<i>For Polished Or Patina Finish, Add</i>	116.88	
10 14 19 00-0189	EA		20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	566.09	24.51
			<i>For Installation With Adhesive, Deduct</i>	-38.11	
			<i>For Oxidized Finish, Add</i>	70.21	
			<i>For Polished Or Patina Finish, Add</i>	140.42	
10 14 19 00-0190	EA		22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	661.23	25.87
			<i>For Installation With Adhesive, Deduct</i>	-43.41	
			<i>For Oxidized Finish, Add</i>	83.66	
			<i>For Polished Or Patina Finish, Add</i>	167.33	
10 14 19 00-0191	EA		24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	766.17	27.23
			<i>For Installation With Adhesive, Deduct</i>	-49.20	
			<i>For Oxidized Finish, Add</i>	98.59	
			<i>For Polished Or Patina Finish, Add</i>	197.18	
10 14 19 00-0192	EA		30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	1,164.94	32.68
			<i>For Installation With Adhesive, Deduct</i>	-71.32	
			<i>For Oxidized Finish, Add</i>	155.13	
			<i>For Polished Or Patina Finish, Add</i>	310.27	
<b>10 14 19 00-0193</b>			<b>3/8" Deep, Satin Finish, Bronze Characters</b> <small>(10 14 19 00-0178)</small>		
10 14 19 00-0194	EA		2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	79.03	6.81
			<i>For Installation With Adhesive, Deduct</i>	-6.67	
			<i>For Oxidized Finish, Add</i>	7.77	
			<i>For Polished Or Patina Finish, Add</i>	15.54	
10 14 19 00-0195	EA		4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	103.19	7.89
			<i>For Installation With Adhesive, Deduct</i>	-8.32	
			<i>For Oxidized Finish, Add</i>	10.74	
			<i>For Polished Or Patina Finish, Add</i>	21.48	
10 14 19 00-0196	EA		6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	150.29	9.53
			<i>For Installation With Adhesive, Deduct</i>	-11.33	
			<i>For Oxidized Finish, Add</i>	16.83	
			<i>For Polished Or Patina Finish, Add</i>	33.65	
10 14 19 00-0197	EA		8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	199.08	10.89
			<i>For Installation With Adhesive, Deduct</i>	-14.31	
			<i>For Oxidized Finish, Add</i>	23.33	
			<i>For Polished Or Patina Finish, Add</i>	46.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0198 EA 10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	270.50	12.25
For Installation With Adhesive, Deduct	-18.43	
For Oxidized Finish, Add	33.22	
For Polished Or Patina Finish, Add	66.45	
10 14 19 00-0199 EA 12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	343.21	14.16
For Installation With Adhesive, Deduct	-22.83	
For Oxidized Finish, Add	42.98	
For Polished Or Patina Finish, Add	85.97	
10 14 19 00-0200 EA 14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	430.08	16.34
For Installation With Adhesive, Deduct	-28.04	
For Oxidized Finish, Add	54.71	
For Polished Or Patina Finish, Add	109.42	
10 14 19 00-0201 EA 16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	532.14	19.61
For Installation With Adhesive, Deduct	-34.45	
For Oxidized Finish, Add	68.06	
For Polished Or Patina Finish, Add	136.11	
10 14 19 00-0202 EA 18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	644.25	21.78
For Installation With Adhesive, Deduct	-40.93	
For Oxidized Finish, Add	83.57	
For Polished Or Patina Finish, Add	167.13	
10 14 19 00-0203 EA 20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	767.36	24.51
For Installation With Adhesive, Deduct	-48.17	
For Oxidized Finish, Add	100.40	
For Polished Or Patina Finish, Add	200.80	
10 14 19 00-0204 EA 22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	901.07	25.87
For Installation With Adhesive, Deduct	-55.40	
For Oxidized Finish, Add	119.64	
For Polished Or Patina Finish, Add	239.28	
10 14 19 00-0205 EA 24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	1,022.50	27.23
For Installation With Adhesive, Deduct	-62.02	
For Oxidized Finish, Add	137.04	
For Polished Or Patina Finish, Add	274.07	
10 14 19 00-0206 EA 30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	1,402.82	32.68
For Installation With Adhesive, Deduct	-83.21	
For Oxidized Finish, Add	190.82	
For Polished Or Patina Finish, Add	381.63	
<b>10 14 19 00-0207 1/2" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)</b>		
10 14 19 00-0208 EA 2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	81.77	6.81
For Installation With Adhesive, Deduct	-6.81	
For Oxidized Finish, Add	8.18	
For Polished Or Patina Finish, Add	16.36	
10 14 19 00-0209 EA 4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	122.86	7.89
For Installation With Adhesive, Deduct	-9.30	
For Oxidized Finish, Add	13.69	
For Polished Or Patina Finish, Add	27.38	
10 14 19 00-0210 EA 6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	175.48	9.53
For Installation With Adhesive, Deduct	-12.59	
For Oxidized Finish, Add	20.60	
For Polished Or Patina Finish, Add	41.21	
10 14 19 00-0211 EA 8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	242.22	10.89
For Installation With Adhesive, Deduct	-16.47	
For Oxidized Finish, Add	29.80	
For Polished Or Patina Finish, Add	59.60	
10 14 19 00-0212 EA 10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	331.60	12.25
For Installation With Adhesive, Deduct	-21.48	
For Oxidized Finish, Add	42.39	
For Polished Or Patina Finish, Add	84.78	
10 14 19 00-0213 EA 12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	452.65	14.16
For Installation With Adhesive, Deduct	-28.30	
For Oxidized Finish, Add	59.40	
For Polished Or Patina Finish, Add	118.80	
10 14 19 00-0214 EA 14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	588.21	16.34
For Installation With Adhesive, Deduct	-35.95	
For Oxidized Finish, Add	78.43	
For Polished Or Patina Finish, Add	156.86	
10 14 19 00-0215 EA 16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	736.63	19.61
For Installation With Adhesive, Deduct	-44.67	
For Oxidized Finish, Add	98.73	
For Polished Or Patina Finish, Add	197.46	
10 14 19 00-0216 EA 18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	905.27	21.78
For Installation With Adhesive, Deduct	-53.98	
For Oxidized Finish, Add	122.72	
For Polished Or Patina Finish, Add	245.44	
10 14 19 00-0217 EA 20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	1,085.64	24.51
For Installation With Adhesive, Deduct	-64.09	
For Oxidized Finish, Add	148.14	
For Polished Or Patina Finish, Add	296.28	
10 14 19 00-0218 EA 22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	1,285.91	25.87
For Installation With Adhesive, Deduct	-74.64	
For Oxidized Finish, Add	177.36	
For Polished Or Patina Finish, Add	354.73	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Signage	10 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0219	EA		24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,495.72	27.23
			<i>For Installation With Adhesive, Deduct</i>	-85.68	
			<i>For Oxidized Finish, Add</i>	208.02	
			<i>For Polished Or Patina Finish, Add</i>	416.04	
10 14 19 00-0220	EA		30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	2,095.75	32.68
			<i>For Installation With Adhesive, Deduct</i>	-117.86	
			<i>For Oxidized Finish, Add</i>	294.75	
			<i>For Polished Or Patina Finish, Add</i>	589.51	
<b>10 14 19 00-0221</b>			<b>Satin Finish, Copper Characters</b> (10 14 19 00-0049)		
<b>10 14 19 00-0222</b>			<b>1/4" Deep, Satin Finish, Copper Characters</b> (10 14 19 00-0221)		
10 14 19 00-0223	EA		2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	62.76	6.81
			<i>For Installation With Adhesive, Deduct</i>	-5.86	
			<i>For Polished Finish, Add</i>	10.66	
10 14 19 00-0224	EA		4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	82.35	7.89
			<i>For Installation With Adhesive, Deduct</i>	-7.28	
			<i>For Polished Finish, Add</i>	15.23	
10 14 19 00-0225	EA		6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	116.80	9.53
			<i>For Installation With Adhesive, Deduct</i>	-9.65	
			<i>For Polished Finish, Add</i>	23.60	
10 14 19 00-0226	EA		8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	155.24	10.89
			<i>For Installation With Adhesive, Deduct</i>	-12.12	
			<i>For Polished Finish, Add</i>	33.50	
10 14 19 00-0227	EA		10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	197.48	12.25
			<i>For Installation With Adhesive, Deduct</i>	-14.78	
			<i>For Polished Finish, Add</i>	44.54	
10 14 19 00-0228	EA		12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	252.07	14.16
			<i>For Installation With Adhesive, Deduct</i>	-18.27	
			<i>For Polished Finish, Add</i>	58.63	
10 14 19 00-0229	EA		14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	316.61	16.34
			<i>For Installation With Adhesive, Deduct</i>	-22.37	
			<i>For Polished Finish, Add</i>	75.38	
10 14 19 00-0230	EA		16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	390.60	19.61
			<i>For Installation With Adhesive, Deduct</i>	-27.37	
			<i>For Polished Finish, Add</i>	93.65	
10 14 19 00-0231	EA		18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	469.10	21.78
			<i>For Installation With Adhesive, Deduct</i>	-32.17	
			<i>For Polished Finish, Add</i>	114.59	
10 14 19 00-0232	EA		20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	556.13	24.51
			<i>For Installation With Adhesive, Deduct</i>	-37.61	
			<i>For Polished Finish, Add</i>	137.43	
10 14 19 00-0233	EA		22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	650.42	25.87
			<i>For Installation With Adhesive, Deduct</i>	-42.87	
			<i>For Polished Finish, Add</i>	164.08	
10 14 19 00-0234	EA		24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	752.29	27.23
			<i>For Installation With Adhesive, Deduct</i>	-48.51	
			<i>For Polished Finish, Add</i>	193.01	
10 14 19 00-0235	EA		30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,083.06	32.68
			<i>For Installation With Adhesive, Deduct</i>	-67.23	
			<i>For Polished Finish, Add</i>	285.70	
<b>10 14 19 00-0236</b>			<b>3/8" Deep, Satin Finish, Copper Characters</b> (10 14 19 00-0221)		
10 14 19 00-0237	EA		2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	71.64	6.81
			<i>For Installation With Adhesive, Deduct</i>	-6.31	
			<i>For Polished Finish, Add</i>	13.32	
10 14 19 00-0238	EA		4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	97.58	7.89
			<i>For Installation With Adhesive, Deduct</i>	-8.04	
			<i>For Polished Finish, Add</i>	19.80	
10 14 19 00-0239	EA		6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	144.33	9.53
			<i>For Installation With Adhesive, Deduct</i>	-11.03	
			<i>For Polished Finish, Add</i>	31.86	
10 14 19 00-0240	EA		8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	199.91	10.89
			<i>For Installation With Adhesive, Deduct</i>	-14.35	
			<i>For Polished Finish, Add</i>	46.90	
10 14 19 00-0241	EA		10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	271.72	12.25
			<i>For Installation With Adhesive, Deduct</i>	-18.49	
			<i>For Polished Finish, Add</i>	66.81	
10 14 19 00-0242	EA		12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	340.01	14.16
			<i>For Installation With Adhesive, Deduct</i>	-22.67	
			<i>For Polished Finish, Add</i>	85.01	
10 14 19 00-0243	EA		14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	429.67	16.34
			<i>For Installation With Adhesive, Deduct</i>	-28.02	
			<i>For Polished Finish, Add</i>	109.30	
10 14 19 00-0244	EA		16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	531.07	19.61
			<i>For Installation With Adhesive, Deduct</i>	-34.40	
			<i>For Polished Finish, Add</i>	135.79	
10 14 19 00-0245	EA		18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	640.99	21.78
			<i>For Installation With Adhesive, Deduct</i>	-40.76	
			<i>For Polished Finish, Add</i>	166.16	
10 14 19 00-0246	EA		20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	762.28	24.51
			<i>For Installation With Adhesive, Deduct</i>	-47.92	
			<i>For Polished Finish, Add</i>	199.28	

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0247	EA		22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	896.54	25.87
			<i>For Installation With Adhesive, Deduct</i>	-55.18	
			<i>For Polished Finish, Add</i>	237.92	
10 14 19 00-0248	EA		24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,009.64	27.23
			<i>For Installation With Adhesive, Deduct</i>	-61.37	
			<i>For Polished Finish, Add</i>	270.22	
10 14 19 00-0249	EA		30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,416.38	32.68
			<i>For Installation With Adhesive, Deduct</i>	-83.89	
			<i>For Polished Finish, Add</i>	385.70	
10 14 19 00-0250			<b>Satin Finish, Stainless Steel Characters</b> <small>(10 14 19 00-0049)</small>		
10 14 19 00-0251			<b>1/4" Deep, Satin Finish, Stainless Steel Characters</b> <small>(10 14 19 00-0250)</small>		
10 14 19 00-0252	EA		2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	63.84	6.81
			<i>For Installation With Adhesive, Deduct</i>	-5.92	
			<i>For Polished Finish, Add</i>	10.98	
10 14 19 00-0253	EA		4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	84.68	7.89
			<i>For Installation With Adhesive, Deduct</i>	-7.39	
			<i>For Polished Finish, Add</i>	15.93	
10 14 19 00-0254	EA		6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	109.52	9.53
			<i>For Installation With Adhesive, Deduct</i>	-9.29	
			<i>For Polished Finish, Add</i>	21.42	
10 14 19 00-0255	EA		8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	142.43	10.89
			<i>For Installation With Adhesive, Deduct</i>	-11.48	
			<i>For Polished Finish, Add</i>	29.66	
10 14 19 00-0256	EA		10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	175.33	12.25
			<i>For Installation With Adhesive, Deduct</i>	-13.67	
			<i>For Polished Finish, Add</i>	37.90	
10 14 19 00-0257	EA		12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	215.92	14.16
			<i>For Installation With Adhesive, Deduct</i>	-16.46	
			<i>For Polished Finish, Add</i>	47.78	
10 14 19 00-0258	EA		14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	259.40	16.34
			<i>For Installation With Adhesive, Deduct</i>	-19.51	
			<i>For Polished Finish, Add</i>	58.22	
10 14 19 00-0259	EA		16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	310.93	19.61
			<i>For Installation With Adhesive, Deduct</i>	-23.39	
			<i>For Polished Finish, Add</i>	69.75	
10 14 19 00-0260	EA		18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	363.57	21.78
			<i>For Installation With Adhesive, Deduct</i>	-26.89	
			<i>For Polished Finish, Add</i>	82.93	
10 14 19 00-0261	EA		20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	425.72	24.51
			<i>For Installation With Adhesive, Deduct</i>	-31.09	
			<i>For Polished Finish, Add</i>	98.31	
10 14 19 00-0262	EA		22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	497.08	25.87
			<i>For Installation With Adhesive, Deduct</i>	-35.20	
			<i>For Polished Finish, Add</i>	118.08	
10 14 19 00-0263	EA		24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	570.25	27.23
			<i>For Installation With Adhesive, Deduct</i>	-39.40	
			<i>For Polished Finish, Add</i>	138.40	
10 14 19 00-0264	EA		30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	786.10	32.68
			<i>For Installation With Adhesive, Deduct</i>	-52.38	
			<i>For Polished Finish, Add</i>	196.61	
10 14 19 00-0265			<b>3/8" Deep, Satin Finish, Stainless Steel Characters</b> <small>(10 14 19 00-0250)</small>		
10 14 19 00-0266	EA		2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	76.66	6.81
			<i>For Installation With Adhesive, Deduct</i>	-6.56	
			<i>For Polished Finish, Add</i>	14.83	
10 14 19 00-0267	EA		4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	103.26	7.89
			<i>For Installation With Adhesive, Deduct</i>	-8.32	
			<i>For Polished Finish, Add</i>	21.50	
10 14 19 00-0268	EA		6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	133.08	9.53
			<i>For Installation With Adhesive, Deduct</i>	-10.47	
			<i>For Polished Finish, Add</i>	28.49	
10 14 19 00-0269	EA		8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	171.10	10.89
			<i>For Installation With Adhesive, Deduct</i>	-12.91	
			<i>For Polished Finish, Add</i>	38.26	
10 14 19 00-0270	EA		10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	211.96	12.25
			<i>For Installation With Adhesive, Deduct</i>	-15.50	
			<i>For Polished Finish, Add</i>	48.89	
10 14 19 00-0271	EA		12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	262.11	14.16
			<i>For Installation With Adhesive, Deduct</i>	-18.77	
			<i>For Polished Finish, Add</i>	61.64	
10 14 19 00-0272	EA		14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	315.68	16.34
			<i>For Installation With Adhesive, Deduct</i>	-22.32	
			<i>For Polished Finish, Add</i>	75.10	
10 14 19 00-0273	EA		16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	378.35	19.61
			<i>For Installation With Adhesive, Deduct</i>	-26.76	
			<i>For Polished Finish, Add</i>	89.98	
10 14 19 00-0274	EA		18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	440.97	21.78
			<i>For Installation With Adhesive, Deduct</i>	-30.76	
			<i>For Polished Finish, Add</i>	106.15	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0275 EA 20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	517.48	24.51
For Installation With Adhesive, Deduct	-35.68	
For Polished Finish, Add	125.84	
10 14 19 00-0276 EA 22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	583.67	25.87
For Installation With Adhesive, Deduct	-39.53	
For Polished Finish, Add	144.06	
10 14 19 00-0277 EA 24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	671.74	27.23
For Installation With Adhesive, Deduct	-44.48	
For Polished Finish, Add	168.85	
10 14 19 00-0278 EA 30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	930.29	32.68
For Installation With Adhesive, Deduct	-59.59	
For Polished Finish, Add	239.87	
<b>10 14 19 00-0279 1/2" Deep, Satin Finish, Stainless Steel Characters (10 14 19 00-0250)</b>		
10 14 19 00-0280 EA 2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	93.13	6.81
For Installation With Adhesive, Deduct	-7.38	
For Polished Finish, Add	19.77	
10 14 19 00-0281 EA 4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	127.15	7.89
For Installation With Adhesive, Deduct	-9.52	
For Polished Finish, Add	28.67	
10 14 19 00-0282 EA 6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	164.49	9.53
For Installation With Adhesive, Deduct	-12.04	
For Polished Finish, Add	37.91	
10 14 19 00-0283 EA 8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	217.56	10.89
For Installation With Adhesive, Deduct	-15.24	
For Polished Finish, Add	52.20	
10 14 19 00-0284 EA 10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	271.33	12.25
For Installation With Adhesive, Deduct	-18.47	
For Polished Finish, Add	66.70	
10 14 19 00-0285 EA 12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	336.96	14.16
For Installation With Adhesive, Deduct	-22.51	
For Polished Finish, Add	84.09	
10 14 19 00-0286 EA 14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	406.88	16.34
For Installation With Adhesive, Deduct	-26.88	
For Polished Finish, Add	102.46	
10 14 19 00-0287 EA 16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	487.62	19.61
For Installation With Adhesive, Deduct	-32.22	
For Polished Finish, Add	122.76	
10 14 19 00-0288 EA 18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	581.95	21.78
For Installation With Adhesive, Deduct	-37.81	
For Polished Finish, Add	148.44	
10 14 19 00-0289 EA 20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	684.60	24.51
For Installation With Adhesive, Deduct	-44.03	
For Polished Finish, Add	175.97	
10 14 19 00-0290 EA 22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	768.66	25.87
For Installation With Adhesive, Deduct	-48.78	
For Polished Finish, Add	199.55	
10 14 19 00-0291 EA 24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	888.57	27.23
For Installation With Adhesive, Deduct	-55.32	
For Polished Finish, Add	233.90	
10 14 19 00-0292 EA 30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	1,238.32	32.68
For Installation With Adhesive, Deduct	-74.99	
For Polished Finish, Add	332.28	
<b>10 14 23 Panel Signage (10 14)</b>		
<b>10 14 23 11 Panel Signage (10 14 23)</b>		
10 14 23 11-0001 Indoor/Outdoor Signs (10 14 23 11)		
Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.		
10 14 23 11-0002 Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0001)		
10 14 23 11-0003 Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0002)		
Note: Multi-color with words, symbols and graphics.		
10 14 23 11-0004 EA Up To 25 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	26.01	9.92
For >25 To 50, Deduct	-0.62	
For >50 To 100, Deduct	-1.54	
For >100, Deduct	-1.85	
For Clear Glass Mount, Add	4.94	
For Glow-In-Dark, Add	12.34	
For Reflective Finish, Add	13.88	
10 14 23 11-0005 EA >25 To 50 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	30.42	9.92
For >25 To 50, Deduct	-1.06	
For >50 To 100, Deduct	-2.65	
For >100, Deduct	-3.17	
For Clear Glass Mount, Add	8.46	
For Glow-In-Dark, Add	21.16	
For Reflective Finish, Add	23.81	

**10 Specialties**  
**10 10 Information Specialties**  
 10 14 Signage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0006 EA >50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	37.48	9.92
For >25 To 50, Deduct	-1.76	
For >50 To 100, Deduct	-4.41	
For >100, Deduct	-5.29	
For Clear Glass Mount, Add	14.11	
For Glow-In-Dark, Add	35.28	
For Reflective Finish, Add	39.69	
10 14 23 11-0007 EA >100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	46.30	9.92
For >25 To 50, Deduct	-2.65	
For >50 To 100, Deduct	-6.62	
For >100, Deduct	-7.94	
For Clear Glass Mount, Add	21.17	
For Glow-In-Dark, Add	52.92	
For Reflective Finish, Add	59.54	
10 14 23 11-0008 EA >250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	62.18	9.92
For >25 To 50, Deduct	-4.23	
For >50 To 100, Deduct	-10.59	
For >100, Deduct	-12.70	
For Clear Glass Mount, Add	33.87	
For Glow-In-Dark, Add	84.68	
For Reflective Finish, Add	95.27	
10 14 23 11-0009 EA >500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	90.40	9.92
For >25 To 50, Deduct	-7.06	
For >50 To 100, Deduct	-17.64	
For >100, Deduct	-21.17	
For Clear Glass Mount, Add	56.45	
For Glow-In-Dark, Add	141.12	
For Reflective Finish, Add	158.76	
10 14 23 11-0010 EA >750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	125.68	9.92
For >25 To 50, Deduct	-10.58	
For >50 To 100, Deduct	-26.46	
For >100, Deduct	-31.75	
For Clear Glass Mount, Add	84.67	
For Glow-In-Dark, Add	211.68	
For Reflective Finish, Add	238.14	
10 14 23 11-0011 SI >1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	0.14	0.01
For Clear Glass Mount, Add	0.10	
For Glow-In-Dark, Add	0.24	
For Reflective Finish, Add	0.27	
<b>10 14 23 11-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs</b>		
<small>(10 14 23 11-0002)</small>		
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0013 EA Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	27.78	9.92
For >25 To 50, Deduct	-0.79	
For >50 To 100, Deduct	-1.99	
For >100, Deduct	-2.38	
For Glow-In-Dark, Add	15.88	
For Reflective Finish, Add	17.07	
10 14 23 11-0014 EA >25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	32.19	9.92
For >25 To 50, Deduct	-1.24	
For >50 To 100, Deduct	-3.09	
For >100, Deduct	-3.71	
For Glow-In-Dark, Add	24.70	
For Reflective Finish, Add	26.55	
10 14 23 11-0015 EA >50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	41.01	9.92
For >25 To 50, Deduct	-2.12	
For >50 To 100, Deduct	-5.29	
For >100, Deduct	-6.35	
For Glow-In-Dark, Add	42.34	
For Reflective Finish, Add	45.52	
10 14 23 11-0016 EA >100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	49.83	9.92
For >25 To 50, Deduct	-3.00	
For >50 To 100, Deduct	-7.50	
For >100, Deduct	-9.00	
For Glow-In-Dark, Add	59.98	
For Reflective Finish, Add	64.48	
10 14 23 11-0017 EA >250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	63.06	9.92
For >25 To 50, Deduct	-4.32	
For >50 To 100, Deduct	-10.81	
For >100, Deduct	-12.97	
For Glow-In-Dark, Add	86.44	
For Reflective Finish, Add	92.92	
10 14 23 11-0018 EA >500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	76.29	9.92
For >25 To 50, Deduct	-5.65	
For >50 To 100, Deduct	-14.11	
For >100, Deduct	-16.94	
For Glow-In-Dark, Add	112.90	
For Reflective Finish, Add	121.37	
10 14 23 11-0019 EA >750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	90.40	9.92
For >25 To 50, Deduct	-7.06	
For >50 To 100, Deduct	-17.64	
For >100, Deduct	-21.17	
For Glow-In-Dark, Add	141.12	
For Reflective Finish, Add	151.70	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Signage	10 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0020	SI		>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign ..... <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	0.10 0.16 0.17	0.01
<b>10 14 23 11-0021</b>			<b>Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille</b> <small>(10 14 23 11-0002)</small> Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0022	EA		Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Molded Plastic Frame, Add</i> <i>For Brushed Metal Finish/Faux Metal Finish, Add</i> <i>For 2" Height Slider Channel For Custom Inserts, Add</i>	41.01 -2.12 -5.29 -6.35 15.00 23.00 35.00	9.92
10 14 23 11-0023	EA		>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Molded Plastic Frame, Add</i> <i>For Brushed Metal Finish/Faux Metal Finish, Add</i> <i>For 2" Height Slider Channel For Custom Inserts, Add</i>	46.30 -2.65 -6.62 -7.94 17.00 28.00 35.00	9.92
10 14 23 11-0024	EA		>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Molded Plastic Frame, Add</i> <i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	55.12 -3.53 -8.82 -10.58 19.00 31.00	9.92
10 14 23 11-0025	EA		>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Molded Plastic Frame, Add</i> <i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	63.41 -4.36 -10.89 -13.07 21.00 35.00	9.92
10 14 23 11-0026	SI		>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille ..... <i>For Molded Plastic Frame, Add</i> <i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	0.70 0.20 0.31	0.10
<b>10 14 23 11-0027</b>			<b>Engraved Steel, Surface Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0002)</small> Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0028	EA		Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Molded Plastic Frame, Add</i>	53.36 -3.35 -8.38 -10.06 15.00	9.92
10 14 23 11-0029	EA		>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Molded Plastic Frame, Add</i>	63.94 -4.41 -11.03 -13.23 17.00	9.92
10 14 23 11-0030	EA		>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Molded Plastic Frame, Add</i>	78.05 -5.82 -14.55 -17.46 19.00	9.92
10 14 23 11-0031	EA		>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Molded Plastic Frame, Add</i>	106.28 -8.64 -21.61 -25.93 21.00	9.92
10 14 23 11-0032	SI		>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign ..... <i>For Molded Plastic Frame, Add</i>	1.06 0.20	0.10
<b>10 14 23 11-0033</b>			<b>Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0002)</small> Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0034	EA		Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	26.90 -0.71 -1.77 -2.12 4.24 5.30	9.92
10 14 23 11-0035	EA		>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	32.19 -1.24 -3.09 -3.71 7.41 9.26	9.92
10 14 23 11-0036	EA		>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	42.77 -2.29 -5.73 -6.88 13.76 17.20	9.92



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0037	EA		>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	55.12	9.92
			<i>For &gt;25 To 50, Deduct</i>	-3.53	
			<i>For &gt;50 To 100, Deduct</i>	-8.82	
			<i>For &gt;100, Deduct</i>	-10.58	
			<i>For Glow-In-Dark, Add</i>	21.17	
			<i>For Reflective Finish, Add</i>	26.46	
10 14 23 11-0038	EA		>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	92.16	9.92
			<i>For &gt;25 To 50, Deduct</i>	-7.23	
			<i>For &gt;50 To 100, Deduct</i>	-18.08	
			<i>For &gt;100, Deduct</i>	-21.70	
			<i>For Glow-In-Dark, Add</i>	43.39	
			<i>For Reflective Finish, Add</i>	54.24	
10 14 23 11-0039	EA		>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	108.04	9.92
			<i>For &gt;25 To 50, Deduct</i>	-8.82	
			<i>For &gt;50 To 100, Deduct</i>	-22.05	
			<i>For &gt;100, Deduct</i>	-26.46	
			<i>For Glow-In-Dark, Add</i>	52.92	
			<i>For Reflective Finish, Add</i>	66.15	
10 14 23 11-0040	EA		>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	129.21	9.92
			<i>For &gt;25 To 50, Deduct</i>	-10.94	
			<i>For &gt;50 To 100, Deduct</i>	-27.34	
			<i>For &gt;100, Deduct</i>	-32.81	
			<i>For Glow-In-Dark, Add</i>	65.62	
			<i>For Reflective Finish, Add</i>	82.03	
10 14 23 11-0041	SI		>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign.....	0.14	0.01
			<i>For Glow-In-Dark, Add</i>	0.07	
			<i>For Reflective Finish, Add</i>	0.09	
10 14 23 11-0042			<b>California Title 24, Surface Mount, Signs</b> <small>(10 14 23 11-0002)</small>		
10 14 23 11-0043			<b>California Title 24, Surface Mount, Geometric Restroom Signs</b> <small>(10 14 23 11-0042)</small>		
			Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.		
10 14 23 11-0044	EA		1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign .....	84.67	9.92
			<i>For &gt;25 To 50, Deduct</i>	-6.48	
			<i>For &gt;50 To 100, Deduct</i>	-9.72	
			<i>For &gt;100, Deduct</i>	-11.02	
10 14 23 11-0045	EA		1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign .....	84.67	9.92
			<i>For &gt;25 To 50, Deduct</i>	-6.48	
			<i>For &gt;50 To 100, Deduct</i>	-9.72	
			<i>For &gt;100, Deduct</i>	-11.02	
10 14 23 11-0046	EA		1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign .....	110.60	9.92
			Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle.		
			<i>For &gt;25 To 50, Deduct</i>	-9.08	
			<i>For &gt;50 To 100, Deduct</i>	-13.61	
			<i>For &gt;100, Deduct</i>	-15.43	
10 14 23 11-0047			<b>California Title 24, Surface Mount, Stairwell Signs</b> <small>(10 14 23 11-0042)</small>		
			Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.		
10 14 23 11-0048	EA		1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign .....	166.16	9.92
			<i>For &gt;25 To 50, Deduct</i>	-14.63	
			<i>For &gt;50 To 100, Deduct</i>	-21.95	
			<i>For &gt;100, Deduct</i>	-24.87	
10 14 23 11-0049			<b>Ceiling Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0001)</small>		
10 14 23 11-0050			<b>Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0049)</small>		
10 14 23 11-0051	EA		Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign .....	37.47	13.88
			<i>For &gt;25 To 50, Deduct</i>	-0.97	
			<i>For &gt;50 To 100, Deduct</i>	-2.43	
			<i>For &gt;100, Deduct</i>	-2.91	
			<i>For Glow-In-Dark, Add</i>	5.82	
			<i>For Reflective Finish, Add</i>	7.28	
10 14 23 11-0052	EA		>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	45.41	13.88
			<i>For &gt;25 To 50, Deduct</i>	-1.76	
			<i>For &gt;50 To 100, Deduct</i>	-4.41	
			<i>For &gt;100, Deduct</i>	-5.29	
			<i>For Glow-In-Dark, Add</i>	10.58	
			<i>For Reflective Finish, Add</i>	13.23	
10 14 23 11-0053	EA		>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	55.99	13.88
			<i>For &gt;25 To 50, Deduct</i>	-2.82	
			<i>For &gt;50 To 100, Deduct</i>	-7.06	
			<i>For &gt;100, Deduct</i>	-8.47	
			<i>For Glow-In-Dark, Add</i>	16.93	
			<i>For Reflective Finish, Add</i>	21.17	





<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0054 EA >100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	71.87	13.88
For >25 To 50, Deduct	-4.41	
For >50 To 100, Deduct	-11.03	
For >100, Deduct	-13.23	
For Glow-In-Dark, Add	26.46	
For Reflective Finish, Add	33.08	
<b>10 14 23 11-0055 90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0001)</b>		
<b>10 14 23 11-0056 Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0055)</b>		
10 14 23 11-0057 EA Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign .....	38.35	13.88
For >25 To 50, Deduct	-1.06	
For >50 To 100, Deduct	-2.65	
For >100, Deduct	-3.17	
For Glow-In-Dark, Add	6.35	
For Reflective Finish, Add	7.94	
10 14 23 11-0058 EA >25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign .....	47.17	13.88
For >25 To 50, Deduct	-1.94	
For >50 To 100, Deduct	-4.85	
For >100, Deduct	-5.82	
For Glow-In-Dark, Add	11.64	
For Reflective Finish, Add	14.55	
10 14 23 11-0059 EA >50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign .....	66.58	13.88
For >25 To 50, Deduct	-3.88	
For >50 To 100, Deduct	-9.70	
For >100, Deduct	-11.64	
For Glow-In-Dark, Add	23.29	
For Reflective Finish, Add	29.11	
10 14 23 11-0060 EA >100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign .....	73.63	13.88
For >25 To 50, Deduct	-4.59	
For >50 To 100, Deduct	-11.47	
For >100, Deduct	-13.76	
For Glow-In-Dark, Add	27.52	
For Reflective Finish, Add	34.40	
<b>10 14 23 11-0061 Triangle, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0001)</b>		
<b>10 14 23 11-0062 Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0061)</b>		
10 14 23 11-0063 EA Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign .....	41.00	13.88
For >25 To 50, Deduct	-1.32	
For >50 To 100, Deduct	-3.31	
For >100, Deduct	-3.97	
For Glow-In-Dark, Add	7.94	
For Reflective Finish, Add	9.92	
10 14 23 11-0064 EA >25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign .....	54.23	13.88
For >25 To 50, Deduct	-2.65	
For >50 To 100, Deduct	-6.62	
For >100, Deduct	-7.94	
For Glow-In-Dark, Add	15.88	
For Reflective Finish, Add	19.85	
10 14 23 11-0065 EA >50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign .....	59.52	13.88
For >25 To 50, Deduct	-3.18	
For >50 To 100, Deduct	-7.94	
For >100, Deduct	-9.53	
For Glow-In-Dark, Add	19.05	
For Reflective Finish, Add	23.81	
10 14 23 11-0066 EA >100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign .....	66.58	13.88
For >25 To 50, Deduct	-3.88	
For >50 To 100, Deduct	-9.70	
For >100, Deduct	-11.64	
For Glow-In-Dark, Add	23.29	
For Reflective Finish, Add	29.11	
<b>10 14 23 11-0067 Adhesive Backed Vinyl Characters (10 14 23 11)</b>		
Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.		
10 14 23 11-0068 EA 1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	2.59	0.79
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.44	
10 14 23 11-0069 EA 3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	2.68	0.91
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.46	
10 14 23 11-0070 EA 1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	2.77	1.03
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.49	
10 14 23 11-0071 EA 1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	3.70	1.19
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.62	
10 14 23 11-0072 EA 2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	3.83	1.39
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.65	
10 14 23 11-0073 EA 3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	5.42	1.59
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.94	
10 14 23 11-0074 EA 4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	5.80	1.79
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	1.04	

**10 Specialties****10 10 Information Specialties****10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0075	EA		6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	7.78	1.99
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	1.43	
10 14 23 11-0076	EA		8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	9.32	2.18
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	1.81	
10 14 23 11-0077	EA		10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	11.92	2.38
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	2.36	
<b>10 14 23 11-0078</b>			<b>Standoffs For Wall Signage</b> <small>(10 14 23 11)</small>		
			Note: Excludes signage		
10 14 23 11-0079	EA		1/2" Diameter x 1/2" Long, Stainless Steel Standoff .....	13.77	5.45
10 14 23 11-0080	EA		1/2" Diameter x 3/4" Long, Stainless Steel Standoff .....	14.14	5.45
10 14 23 11-0081	EA		1/2" Diameter x 1" Long, Stainless Steel Standoff .....	14.23	5.45
10 14 23 11-0082	EA		5/8" Diameter x 1/2" Long, Stainless Steel Standoff .....	14.97	5.45
10 14 23 11-0083	EA		5/8" Diameter x 3/4" Long, Stainless Steel Standoff .....	15.34	5.45
10 14 23 11-0084	EA		5/8" Diameter x 1" Long, Stainless Steel Standoff .....	16.09	5.45
10 14 23 11-0085	EA		3/4" Diameter x 3/4" Long, Stainless Steel Standoff .....	16.07	6.53
10 14 23 11-0086	EA		3/4" Diameter x 1" Long, Stainless Steel Standoff .....	17.09	6.53
10 14 23 11-0087	EA		3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff .....	17.93	6.53
10 14 23 11-0088	EA		1" Diameter x 3/4" Long, Stainless Steel Standoff .....	19.02	6.53
10 14 23 11-0089	EA		1" Diameter x 1" Long, Stainless Steel Standoff .....	20.22	6.53
10 14 23 11-0090	EA		1" Diameter x 1-1/2" Long, Stainless Steel Standoff .....	21.71	6.53
10 14 23 11-0091	EA		5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff.....	15.25	5.45
10 14 23 11-0092	EA		5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff.....	15.53	5.45
10 14 23 11-0093	EA		3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff.....	16.90	6.53
10 14 23 11-0094	EA		3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff.....	17.18	6.53
10 14 23 11-0095	EA		1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff.....	18.64	6.53
10 14 23 11-0096	EA		1" Diameter x 1" Long, Clear Anodized Aluminum Standoff .....	18.83	6.53
<b>10 14 23 11-0097</b>			<b>Removal And Reinstallation Of Building Signage</b> <small>(10 14 23 11)</small>		
			Note: Includes storage and cleaning.		
10 14 23 11-0098	EA		Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF.....	190.71	
10 14 23 11-0099	EA		Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF .....	219.07	
10 14 23 11-0100	EA		Removal And Reinstallation Of Building Signage, >12 To 20 SF.....	246.31	
10 14 23 11-0101	EA		Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF .....	59.50	
<b>10 14 23 11-0102</b>			<b>Building Sign</b> <small>(10 14 23 11)</small>		
			Note: Includes 4" numbers painted on. Installed on building.		
10 14 23 11-0103	EA		6" x 18" Metal Building Sign With Numbers .....	133.62	23.80
10 14 23 11-0104	SF		Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts .....	41.58	7.62
10 14 23 11-0105	SF		Single Sided, Molding On One Side, For Mounting On Structure Up To 20'.....	31.61	7.08
10 14 23 11-0106	EA		Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep.....	25.25	5.99
10 14 23 11-0107	EA		Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep.....	29.06	6.54
10 14 23 11-0108	EA		Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep.....	31.86	7.08
10 14 23 11-0109	EA		Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep.....	37.37	7.62
<b>10 14 29</b>			<b>Wall or Ground Mounted Signage</b> <small>(10 14)</small>		
			Note: Includes fabrication, delivery, installation, bolts and fasteners and drilling.		
<b>10 14 29 00-0001</b>			<b>Illuminated Signage</b> <small>(10 14 29)</small>		
<b>10 14 29 00-0002</b>			<b>Removal Of Sign Cabinets</b> <small>(10 14 29 00-0001)</small>		
10 14 29 00-0003	EA		Removal Of Sign Cabinet, 1 To 4.9 SF.....	334.65	
10 14 29 00-0004	EA		Removal Of Sign Cabinet, 5 To 9.9 SF.....	401.58	
10 14 29 00-0005	EA		Removal Of Sign Cabinet, 10 To 19.9 SF.....	535.39	
10 14 29 00-0006	EA		Removal Of Sign Cabinet, 20 To 29.9 SF.....	803.15	
10 14 29 00-0007	EA		Removal Of Sign Cabinet, >30 SF.....	1,070.78	
<b>10 14 29 00-0008</b>			<b>Fabricate And Install New Sign Cabinets</b> <small>(10 14 29 00-0001)</small>		
10 14 29 00-0009	SF		1 To 4.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted.....	277.39	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-13.87	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-20.80	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-27.74	
10 14 29 00-0010	SF		5 To 9.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted.....	230.99	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-11.55	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-17.32	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-23.10	
10 14 29 00-0011	SF		10 To 19.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted.....	188.59	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-9.43	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-14.14	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-18.86	
10 14 29 00-0012	SF		20 To 29.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted.....	169.63	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-8.48	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-12.72	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-16.96	
10 14 29 00-0013	SF		=>30 SF, Illuminated Sign Cabinet, Wall/Ground Mounted.....	155.66	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-7.78	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-11.67	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-15.57	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 14 29 00-0014</b>	<b>Fabricate And Install New Sign Face, Material And Legend</b> <small>(10 14 29 00-0001)</small>	
10 14 29 00-0015	SF 1 To 4.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend.....	75.33
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-3.77
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-5.65
	<i>For &gt;20 Per Each Sign, Deduct</i>	-7.53
10 14 29 00-0016	SF 5 To 9.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend.....	61.36
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-3.07
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-4.60
	<i>For &gt;20 Per Each Sign, Deduct</i>	-6.14
10 14 29 00-0017	SF 10 To 19.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend.....	46.89
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-2.34
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-3.52
	<i>For &gt;20 Per Each Sign, Deduct</i>	-4.69
10 14 29 00-0018	SF 20 To 29.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend.....	37.41
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-1.87
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-2.81
	<i>For &gt;20 Per Each Sign, Deduct</i>	-3.74
10 14 29 00-0019	SF =>30 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend.....	29.93
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-1.50
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-2.24
	<i>For &gt;20 Per Each Sign, Deduct</i>	-2.99

<b>10 14 29 00-0020</b>	<b>Posts</b> <small>(10 14 29)</small>	
	Note: Includes mounting bolts and installation for sign blades to posts.	
10 14 29 00-0021	LF 2" Square Galvanized Steel Post.....	22.47
	<i>For Powder Coating, Add</i>	1.03
10 14 29 00-0022	LF 2-3/8" Diameter Galvanized Steel Post.....	21.71
	<i>For Powder Coating, Add</i>	0.97
10 14 29 00-0023	LF 2" Diameter TREX Post.....	9.79
10 14 29 00-0024	EA Mounting On Ground With Base.....	56.86
	Note: Includes bolts and drilling for bolts.	
10 14 29 00-0025	EA Mid Post Mounted Rotating Sign With Graphics.....	256.37
	<i>For &gt;5 To 11, Deduct</i>	-12.82
	<i>For &gt;11 To 20, Deduct</i>	-19.23
	<i>For &gt;20, Deduct</i>	-25.64

**10 14 31 Overhead and Ceiling Hung Signage** (10 14)  
 Note: Includes fabrication, delivery, installation, bolts and fasteners and drilling.

10 14 31 00-0001	<b>Illuminated Signage</b> <small>(10 14 31)</small>	
10 14 31 00-0002	<b>Removal Of Sign Cabinets</b> <small>(10 14 31 00-0001)</small>	
10 14 31 00-0003	EA Removal Of Sign Cabinet, 1 To 4.9 SF.....	368.12
10 14 31 00-0004	EA Removal Of Sign Cabinet, 5 To 9.9 SF.....	441.74
10 14 31 00-0005	EA Removal Of Sign Cabinet, 10 To 19.9 SF.....	588.98
10 14 31 00-0006	EA Removal Of Sign Cabinet, 20 To 29.9 SF.....	883.47
10 14 31 00-0007	EA Removal Of Sign Cabinet, >30 SF.....	1,177.75

<b>10 14 31 00-0008</b>	<b>Fabricate And Install New Sign Cabinets</b> <small>(10 14 31 00-0001)</small>	
10 14 31 00-0009	SF 1 To 4.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	306.83
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-15.34
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-23.01
	<i>For &gt;20 Per Each Sign, Deduct</i>	-30.68
10 14 31 00-0010	SF 5 To 9.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	255.44
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-12.77
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-19.16
	<i>For &gt;20 Per Each Sign, Deduct</i>	-25.54
10 14 31 00-0011	SF 10 To 19.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	208.54
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-10.43
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-15.64
	<i>For &gt;20 Per Each Sign, Deduct</i>	-20.85
10 14 31 00-0012	SF 20 To 29.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	187.60
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-9.38
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-14.07
	<i>For &gt;20 Per Each Sign, Deduct</i>	-18.76
10 14 31 00-0013	SF =>30 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	172.13
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-8.61
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-12.91
	<i>For &gt;20 Per Each Sign, Deduct</i>	-17.21

<b>10 14 31 00-0014</b>	<b>Fabricate And Install New Sign Face, Material And Legend</b> <small>(10 14 31 00-0001)</small>	
10 14 31 00-0015	SF 1 To 4.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	30.97
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-1.55
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-2.32
	<i>For &gt;20 Per Each Sign, Deduct</i>	-3.10



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 31 00-0016	SF		5 To 9.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	24.77	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-1.24	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-1.86	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-2.48	
10 14 31 00-0017	SF		10 To 19.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	20.65	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-1.03	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-1.55	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-2.07	
10 14 31 00-0018	SF		20 To 29.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	17.48	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-0.87	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-1.31	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-1.75	
10 14 31 00-0019	SF		=>30 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	15.42	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-0.77	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-1.16	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-1.54	
<b>10 14 43 Photoluminescent Signage (10 14)</b>					
<b>10 14 43 00-0001 Photoluminescent Illuminated Signage (10 14 43)</b>					
10 14 43 00-0002	EA		4-1/2" x 8" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount .....	55.02	9.92
			<i>For &gt;25 To 50, Deduct</i>	-3.52	
			<i>For &gt;50 To 100, Deduct</i>	-8.80	
			<i>For &gt;100, Deduct</i>	-10.55	
10 14 43 00-0003	EA		4-1/2" x 13" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount .....	60.75	9.92
			<i>For &gt;25 To 50, Deduct</i>	-4.09	
			<i>For &gt;50 To 100, Deduct</i>	-10.23	
			<i>For &gt;100, Deduct</i>	-12.27	
10 14 43 00-0004	EA		8" x 10" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount.....	68.60	9.92
			<i>For &gt;25 To 50, Deduct</i>	-4.88	
			<i>For &gt;50 To 100, Deduct</i>	-12.19	
			<i>For &gt;100, Deduct</i>	-14.63	
<b>10 14 53 Traffic Signage (10 14)</b>					
<b>10 14 53 11 Traffic Signage (10 14 53)</b>					
<b>10 14 53 11-0001 Traffic Signs (10 14 53 11)</b>					
<b>10 14 53 11-0002 Reflectorized Stop Signs And Other Traffic Signs (10 14 53 11-0001)</b>					
Note: Excludes posts.					
<b>10 14 53 11-0003 Aluminum Engineer Grade Stop Signs (10 14 53 11-0002)</b>					
10 14 53 11-0004	EA		18" x 18" Aluminum Engineer Grade Stop Sign.....	59.84	17.85
			<i>For Hi-Intensity Grade, Add</i>	7.24	
			<i>For Diamond Grade, Add</i>	13.76	
10 14 53 11-0005	EA		18" x 24" Aluminum Engineer Grade Stop Sign.....	69.26	18.88
			<i>For Hi-Intensity Grade, Add</i>	9.47	
			<i>For Diamond Grade, Add</i>	17.99	
10 14 53 11-0006	EA		24" x 24" Aluminum Engineer Grade Stop Sign.....	74.97	19.84
			<i>For Hi-Intensity Grade, Add</i>	14.47	
			<i>For Diamond Grade, Add</i>	22.94	
10 14 53 11-0007	EA		30" x 30" Aluminum Engineer Grade Stop Sign.....	86.85	20.87
			<i>For Hi-Intensity Grade, Add</i>	5.42	
			<i>For Diamond Grade, Add</i>	29.37	
10 14 53 11-0008	EA		36" x 36" Aluminum Engineer Grade Stop Sign.....	116.07	21.82
			<i>For Hi-Intensity Grade, Add</i>	15.93	
			<i>For Diamond Grade, Add</i>	49.98	
<b>10 14 53 11-0009 Other Reflectorized Traffic Signs (10 14 53 11-0002)</b>					
Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.					
<b>10 14 53 11-0010 Aluminum Engineer Grade Traffic Signs (10 14 53 11-0009)</b>					
10 14 53 11-0011	EA		6" x 12" Aluminum Engineer Grade Traffic Sign .....	37.72	15.87
			<i>For Hi-Intensity Grade, Add</i>	1.79	
10 14 53 11-0012	EA		6" x 18" Aluminum Engineer Grade Traffic Sign .....	40.71	15.87
			<i>For Hi-Intensity Grade, Add</i>	2.69	
10 14 53 11-0013	EA		9" x 12" Aluminum Engineer Grade Traffic Sign .....	40.71	15.87
			<i>For Hi-Intensity Grade, Add</i>	2.69	
10 14 53 11-0014	EA		9" x 15" Aluminum Engineer Grade Traffic Sign .....	42.95	15.87
			<i>For Hi-Intensity Grade, Add</i>	3.36	
10 14 53 11-0015	EA		9" x 18" Aluminum Engineer Grade Traffic Sign .....	45.20	15.87
			<i>For Hi-Intensity Grade, Add</i>	4.04	
10 14 53 11-0016	EA		9" x 24" Aluminum Engineer Grade Traffic Sign .....	51.66	16.86
			<i>For Hi-Intensity Grade, Add</i>	5.38	
10 14 53 11-0017	EA		9" x 48" Aluminum Engineer Grade Traffic Sign .....	69.61	16.86
			<i>For Hi-Intensity Grade, Add</i>	10.77	
10 14 53 11-0018	EA		12" x 12" Aluminum Engineer Grade Traffic Sign .....	43.70	15.87
			<i>For Hi-Intensity Grade, Add</i>	3.59	
10 14 53 11-0019	EA		12" x 18" Aluminum Engineer Grade Traffic Sign .....	51.66	16.86
			<i>For Hi-Intensity Grade, Add</i>	5.38	



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0020	EA		12" x 24" Aluminum Engineer Grade Traffic Sign	57.64	16.86
			<i>For Hi-Intensity Grade, Add</i>	7.18	
10 14 53 11-0021	EA		12" x 30" Aluminum Engineer Grade Traffic Sign	63.62	16.86
			<i>For Hi-Intensity Grade, Add</i>	8.97	
10 14 53 11-0022	EA		12" x 36" Aluminum Engineer Grade Traffic Sign	69.61	16.86
			<i>For Hi-Intensity Grade, Add</i>	10.77	
10 14 53 11-0023	EA		17" x 22" Aluminum Engineer Grade Traffic Sign	64.79	16.86
			<i>For Hi-Intensity Grade, Add</i>	9.32	
10 14 53 11-0024	EA		18" x 18" Aluminum Engineer Grade Traffic Sign	60.63	16.86
			<i>For Hi-Intensity Grade, Add</i>	8.07	
10 14 53 11-0025	EA		18" x 24" Aluminum Engineer Grade Traffic Sign	69.61	16.86
			<i>For Hi-Intensity Grade, Add</i>	10.77	
10 14 53 11-0026	EA		18" x 30" Aluminum Engineer Grade Traffic Sign	80.56	17.85
			<i>For Hi-Intensity Grade, Add</i>	13.46	
10 14 53 11-0027	EA		18" x 36" Aluminum Engineer Grade Traffic Sign	89.53	17.85
			<i>For Hi-Intensity Grade, Add</i>	16.15	
10 14 53 11-0028	EA		18" x 48" Aluminum Engineer Grade Traffic Sign	115.41	21.82
			<i>For Hi-Intensity Grade, Add</i>	21.53	
10 14 53 11-0029	EA		18" x 54" Aluminum Engineer Grade Traffic Sign	124.38	21.82
			<i>For Hi-Intensity Grade, Add</i>	24.22	
10 14 53 11-0030	EA		24" x 24" Aluminum Engineer Grade Traffic Sign	83.55	17.85
			<i>For Hi-Intensity Grade, Add</i>	14.36	
10 14 53 11-0031	EA		24" x 30" Aluminum Engineer Grade Traffic Sign	95.51	17.85
			<i>For Hi-Intensity Grade, Add</i>	17.94	
10 14 53 11-0032	EA		24" x 36" Aluminum Engineer Grade Traffic Sign	107.47	17.85
			<i>For Hi-Intensity Grade, Add</i>	21.53	
10 14 53 11-0033	EA		24" x 42" Aluminum Engineer Grade Traffic Sign	127.37	21.82
			<i>For Hi-Intensity Grade, Add</i>	25.12	
10 14 53 11-0034	EA		24" x 48" Aluminum Engineer Grade Traffic Sign	139.34	21.82
			<i>For Hi-Intensity Grade, Add</i>	28.71	
10 14 53 11-0035	EA		24" x 54" Aluminum Engineer Grade Traffic Sign	151.30	21.82
			<i>For Hi-Intensity Grade, Add</i>	32.30	
10 14 53 11-0036	EA		24" x 60" Aluminum Engineer Grade Traffic Sign	163.26	21.82
			<i>For Hi-Intensity Grade, Add</i>	35.89	
10 14 53 11-0037	EA		30" x 30" Aluminum Engineer Grade Traffic Sign	110.46	17.85
			<i>For Hi-Intensity Grade, Add</i>	22.43	
10 14 53 11-0038	EA		30" x 36" Aluminum Engineer Grade Traffic Sign	133.35	21.82
			<i>For Hi-Intensity Grade, Add</i>	26.91	
10 14 53 11-0039	EA		30" x 42" Aluminum Engineer Grade Traffic Sign	148.31	21.82
			<i>For Hi-Intensity Grade, Add</i>	31.40	
10 14 53 11-0040	EA		30" x 48" Aluminum Engineer Grade Traffic Sign	171.19	25.79
			<i>For Hi-Intensity Grade, Add</i>	35.89	
10 14 53 11-0041	EA		30" x 60" Aluminum Engineer Grade Traffic Sign	209.03	29.76
			<i>For Hi-Intensity Grade, Add</i>	44.86	
10 14 53 11-0042	EA		36" x 36" Aluminum Engineer Grade Traffic Sign	151.30	21.82
			<i>For Hi-Intensity Grade, Add</i>	32.30	
10 14 53 11-0043	EA		36" x 42" Aluminum Engineer Grade Traffic Sign	177.17	25.79
			<i>For Hi-Intensity Grade, Add</i>	37.68	
10 14 53 11-0044	EA		36" x 48" Aluminum Engineer Grade Traffic Sign	203.05	29.76
			<i>For Hi-Intensity Grade, Add</i>	43.06	
10 14 53 11-0045	EA		36" x 54" Aluminum Engineer Grade Traffic Sign	221.00	29.76
			<i>For Hi-Intensity Grade, Add</i>	48.45	
10 14 53 11-0046	EA		36" x 60" Aluminum Engineer Grade Traffic Sign	246.88	33.72
			<i>For Hi-Intensity Grade, Add</i>	53.83	
10 14 53 11-0047	EA		36" x 73" Aluminum Engineer Grade Traffic Sign	293.69	37.69
			<i>For Hi-Intensity Grade, Add</i>	65.49	
10 14 53 11-0048	EA		36" x 78" Aluminum Engineer Grade Traffic Sign	308.64	37.69
			<i>For Hi-Intensity Grade, Add</i>	69.98	
10 14 53 11-0049	EA		36" x 108" Aluminum Engineer Grade Traffic Sign	410.26	43.64
			<i>For Hi-Intensity Grade, Add</i>	96.89	
10 14 53 11-0050	EA		42" x 42" Aluminum Engineer Grade Traffic Sign	206.04	29.76
			<i>For Hi-Intensity Grade, Add</i>	43.96	
10 14 53 11-0051	EA		48" x 48" Aluminum Engineer Grade Traffic Sign	258.84	33.72
			<i>For Hi-Intensity Grade, Add</i>	57.42	
10 14 53 11-0052	EA		48" x 54" Aluminum Engineer Grade Traffic Sign	290.70	37.69
			<i>For Hi-Intensity Grade, Add</i>	64.60	
10 14 53 11-0053	EA		48" x 60" Aluminum Engineer Grade Traffic Sign	314.62	37.69
			<i>For Hi-Intensity Grade, Add</i>	71.77	
10 14 53 11-0054	EA		48" x 66" Aluminum Engineer Grade Traffic Sign	350.45	43.64
			<i>For Hi-Intensity Grade, Add</i>	78.95	
10 14 53 11-0055	EA		48" x 72" Aluminum Engineer Grade Traffic Sign	374.38	43.64
			<i>For Hi-Intensity Grade, Add</i>	86.13	
10 14 53 11-0056	EA		48" x 84" Aluminum Engineer Grade Traffic Sign	430.16	47.61
			<i>For Hi-Intensity Grade, Add</i>	100.48	
10 14 53 11-0057	EA		48" x 96" Aluminum Engineer Grade Traffic Sign	478.00	47.61
			<i>For Hi-Intensity Grade, Add</i>	114.83	
10 14 53 11-0058	EA		48" x 102" Aluminum Engineer Grade Traffic Sign	501.93	47.61
			<i>For Hi-Intensity Grade, Add</i>	122.01	
10 14 53 11-0059	EA		48" x 108" Aluminum Engineer Grade Traffic Sign	529.81	49.60
			<i>For Hi-Intensity Grade, Add</i>	129.19	
10 14 53 11-0060	EA		60" x 72" Aluminum Engineer Grade Traffic Sign	454.08	47.61
			<i>For Hi-Intensity Grade, Add</i>	107.66	
10 14 53 11-0061	EA		72" x 144" Aluminum Engineer Grade Traffic Sign	988.21	63.48
			<i>For Hi-Intensity Grade, Add</i>	258.38	

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 10</b>	<b>Information Specialties</b>
	<b>10 14</b>	<b>Signage</b>



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
10 14 53 11-0062	EA	78" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	721.20	49.60	186.61
<b>10 14 53 11-0063</b>		<b>Non-Reflectorized Traffic Signs</b> <small>(10 14 53 11-0001)</small>			
		Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.			
<b>10 14 53 11-0064</b>		<b>Steel Non-Reflectorized Traffic Signs</b> <small>(10 14 53 11-0063)</small>			
10 14 53 11-0065	EA	6" x 12" Steel Non Reflectorized Traffic Sign	36.91	15.87	
10 14 53 11-0066	EA	6" x 18" Steel Non Reflectorized Traffic Sign	39.50	15.87	
10 14 53 11-0067	EA	9" x 12" Steel Non Reflectorized Traffic Sign	39.50	15.87	
10 14 53 11-0068	EA	9" x 15" Steel Non Reflectorized Traffic Sign	41.43	15.87	
10 14 53 11-0069	EA	9" x 18" Steel Non Reflectorized Traffic Sign	43.37	15.87	
10 14 53 11-0070	EA	9" x 24" Steel Non Reflectorized Traffic Sign	49.23	16.86	
10 14 53 11-0071	EA	9" x 48" Steel Non Reflectorized Traffic Sign	64.74	16.86	
10 14 53 11-0072	EA	12" x 12" Steel Non Reflectorized Traffic Sign	42.08	15.87	
10 14 53 11-0073	EA	12" x 18" Steel Non Reflectorized Traffic Sign	49.23	16.86	
10 14 53 11-0074	EA	12" x 24" Steel Non Reflectorized Traffic Sign	54.40	16.86	
10 14 53 11-0075	EA	12" x 30" Steel Non Reflectorized Traffic Sign	59.57	16.86	
10 14 53 11-0076	EA	12" x 36" Steel Non Reflectorized Traffic Sign	64.74	16.86	
10 14 53 11-0077	EA	18" x 18" Steel Non Reflectorized Traffic Sign	56.99	16.86	
10 14 53 11-0078	EA	18" x 24" Steel Non Reflectorized Traffic Sign	64.74	16.86	
10 14 53 11-0079	EA	18" x 30" Steel Non Reflectorized Traffic Sign	74.48	17.85	
10 14 53 11-0080	EA	18" x 36" Steel Non Reflectorized Traffic Sign	82.24	17.85	
10 14 53 11-0081	EA	18" x 48" Steel Non Reflectorized Traffic Sign	105.69	21.82	
10 14 53 11-0082	EA	18" x 54" Steel Non Reflectorized Traffic Sign	113.44	21.82	
10 14 53 11-0083	EA	24" x 24" Steel Non Reflectorized Traffic Sign	77.06	17.85	
10 14 53 11-0084	EA	24" x 30" Steel Non Reflectorized Traffic Sign	87.41	17.85	
10 14 53 11-0085	EA	24" x 36" Steel Non Reflectorized Traffic Sign	97.75	17.85	
10 14 53 11-0086	EA	24" x 42" Steel Non Reflectorized Traffic Sign	116.03	21.82	
10 14 53 11-0087	EA	24" x 48" Steel Non Reflectorized Traffic Sign	126.37	21.82	
10 14 53 11-0088	EA	24" x 54" Steel Non Reflectorized Traffic Sign	136.71	21.82	
10 14 53 11-0089	EA	24" x 60" Steel Non Reflectorized Traffic Sign	147.05	21.82	
10 14 53 11-0090	EA	30" x 30" Steel Non Reflectorized Traffic Sign	100.33	17.85	
10 14 53 11-0091	EA	30" x 36" Steel Non Reflectorized Traffic Sign	121.20	21.82	
10 14 53 11-0092	EA	30" x 42" Steel Non Reflectorized Traffic Sign	134.12	21.82	
10 14 53 11-0093	EA	30" x 48" Steel Non Reflectorized Traffic Sign	154.98	25.79	
10 14 53 11-0094	EA	30" x 60" Steel Non Reflectorized Traffic Sign	188.77	29.76	
10 14 53 11-0095	EA	36" x 36" Steel Non Reflectorized Traffic Sign	136.71	21.82	
10 14 53 11-0096	EA	36" x 42" Steel Non Reflectorized Traffic Sign	160.15	25.79	
10 14 53 11-0097	EA	36" x 48" Steel Non Reflectorized Traffic Sign	183.60	29.76	
10 14 53 11-0098	EA	36" x 54" Steel Non Reflectorized Traffic Sign	199.11	29.76	
10 14 53 11-0099	EA	36" x 60" Steel Non Reflectorized Traffic Sign	222.57	33.72	
10 14 53 11-0100	EA	36" x 73" Steel Non Reflectorized Traffic Sign	264.11	37.69	
10 14 53 11-0101	EA	36" x 78" Steel Non Reflectorized Traffic Sign	277.03	37.69	
10 14 53 11-0102	EA	36" x 108" Steel Non Reflectorized Traffic Sign	366.50	43.64	
10 14 53 11-0103	EA	42" x 42" Steel Non Reflectorized Traffic Sign	186.19	29.76	
10 14 53 11-0104	EA	48" x 48" Steel Non Reflectorized Traffic Sign	232.91	33.72	
10 14 53 11-0105	EA	48" x 54" Steel Non Reflectorized Traffic Sign	261.52	37.69	
10 14 53 11-0106	EA	48" x 60" Steel Non Reflectorized Traffic Sign	282.20	37.69	
10 14 53 11-0107	EA	48" x 66" Steel Non Reflectorized Traffic Sign	314.79	43.64	
10 14 53 11-0108	EA	48" x 72" Steel Non Reflectorized Traffic Sign	335.48	43.64	
10 14 53 11-0109	EA	48" x 84" Steel Non Reflectorized Traffic Sign	384.77	47.61	
10 14 53 11-0110	EA	48" x 96" Steel Non Reflectorized Traffic Sign	426.14	47.61	
10 14 53 11-0111	EA	48" x 102" Steel Non Reflectorized Traffic Sign	446.82	47.61	
10 14 53 11-0112	EA	48" x 108" Steel Non Reflectorized Traffic Sign	471.46	49.60	
10 14 53 11-0113	EA	60" x 72" Steel Non Reflectorized Traffic Sign	405.45	47.61	
10 14 53 11-0114	EA	72" x 144" Steel Non Reflectorized Traffic Sign	871.51	63.48	
10 14 53 11-0115	EA	78" x 96" Steel Non Reflectorized Traffic Sign	636.92	49.60	
<b>10 14 53 11-0116</b>		<b>Aluminum Non-Reflectorized Traffic Signs</b> <small>(10 14 53 11-0063)</small>			
10 14 53 11-0117	EA	6" x 12" Aluminum Non Reflectorized Traffic Sign	37.12	15.87	
10 14 53 11-0118	EA	6" x 18" Aluminum Non Reflectorized Traffic Sign	39.81	15.87	
10 14 53 11-0119	EA	9" x 12" Aluminum Non Reflectorized Traffic Sign	39.81	15.87	
10 14 53 11-0120	EA	9" x 15" Aluminum Non Reflectorized Traffic Sign	41.83	15.87	
10 14 53 11-0121	EA	9" x 18" Aluminum Non Reflectorized Traffic Sign	43.85	15.87	
10 14 53 11-0122	EA	9" x 24" Aluminum Non Reflectorized Traffic Sign	49.86	16.86	
10 14 53 11-0123	EA	9" x 48" Aluminum Non Reflectorized Traffic Sign	66.01	16.86	
10 14 53 11-0124	EA	12" x 12" Aluminum Non Reflectorized Traffic Sign	42.50	15.87	
10 14 53 11-0125	EA	12" x 18" Aluminum Non Reflectorized Traffic Sign	49.86	16.86	
10 14 53 11-0126	EA	12" x 24" Aluminum Non Reflectorized Traffic Sign	55.25	16.86	
10 14 53 11-0127	EA	12" x 30" Aluminum Non Reflectorized Traffic Sign	60.63	16.86	
10 14 53 11-0128	EA	12" x 36" Aluminum Non Reflectorized Traffic Sign	66.01	16.86	
10 14 53 11-0129	EA	18" x 18" Aluminum Non Reflectorized Traffic Sign	57.94	16.86	
10 14 53 11-0130	EA	18" x 24" Aluminum Non Reflectorized Traffic Sign	66.01	16.86	
10 14 53 11-0131	EA	18" x 30" Aluminum Non Reflectorized Traffic Sign	76.06	17.85	
10 14 53 11-0132	EA	18" x 36" Aluminum Non Reflectorized Traffic Sign	84.13	17.85	
10 14 53 11-0133	EA	18" x 48" Aluminum Non Reflectorized Traffic Sign	108.22	21.82	
10 14 53 11-0134	EA	18" x 54" Aluminum Non Reflectorized Traffic Sign	116.29	21.82	
10 14 53 11-0135	EA	24" x 24" Aluminum Non Reflectorized Traffic Sign	78.75	17.85	



<b>Specialties</b>	<b>10</b>
Information Specialties	10 10
Signage	10 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0136 EA 24" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	89.51	17.85
10 14 53 11-0137 EA 24" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	100.28	17.85
10 14 53 11-0138 EA 24" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	118.98	21.82
10 14 53 11-0139 EA 24" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	129.74	21.82
10 14 53 11-0140 EA 24" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	140.50	21.82
10 14 53 11-0141 EA 24" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	151.27	21.82
10 14 53 11-0142 EA 30" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	102.97	17.85
10 14 53 11-0143 EA 30" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	124.36	21.82
10 14 53 11-0144 EA 30" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	137.81	21.82
10 14 53 11-0145 EA 30" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	159.20	25.79
10 14 53 11-0146 EA 30" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	194.04	29.76
10 14 53 11-0147 EA 36" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	140.50	21.82
10 14 53 11-0148 EA 36" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	164.58	25.79
10 14 53 11-0149 EA 36" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	188.66	29.76
10 14 53 11-0150 EA 36" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	204.80	29.76
10 14 53 11-0151 EA 36" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	228.89	33.72
10 14 53 11-0152 EA 36" x 73" Aluminum Non ReflectORIZED Traffic Sign.....	271.80	37.69
10 14 53 11-0153 EA 36" x 78" Aluminum Non ReflectORIZED Traffic Sign.....	285.25	37.69
10 14 53 11-0154 EA 36" x 108" Aluminum Non ReflectORIZED Traffic Sign.....	377.88	43.64
10 14 53 11-0155 EA 42" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	191.35	29.76
10 14 53 11-0156 EA 48" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	239.65	33.72
10 14 53 11-0157 EA 48" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	269.11	37.69
10 14 53 11-0158 EA 48" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	290.63	37.69
10 14 53 11-0159 EA 48" x 66" Aluminum Non ReflectORIZED Traffic Sign.....	324.07	43.64
10 14 53 11-0160 EA 48" x 72" Aluminum Non ReflectORIZED Traffic Sign.....	345.59	43.64
10 14 53 11-0161 EA 48" x 84" Aluminum Non ReflectORIZED Traffic Sign.....	396.57	47.61
10 14 53 11-0162 EA 48" x 96" Aluminum Non ReflectORIZED Traffic Sign.....	439.62	47.61
10 14 53 11-0163 EA 48" x 102" Aluminum Non ReflectORIZED Traffic Sign.....	461.15	47.61
10 14 53 11-0164 EA 48" x 108" Aluminum Non ReflectORIZED Traffic Sign.....	486.63	49.60
10 14 53 11-0165 EA 60" x 72" Aluminum Non ReflectORIZED Traffic Sign.....	418.10	47.61
10 14 53 11-0166 EA 72" x 144" Aluminum Non ReflectORIZED Traffic Sign.....	901.85	63.48
10 14 53 11-0167 EA 78" x 96" Aluminum Non ReflectORIZED Traffic Sign.....	658.83	49.60
<b>10 14 53 11-0168 Aluminum Street Signs (10 14 53 11-0001)</b>		
Note: Excludes posts.		
<b>10 14 53 11-0169 Aluminum Engineer Grade Street Signs (10 14 53 11-0168)</b>		
10 14 53 11-0170 EA 6" High, Aluminum Engineer Grade Street Sign.....	65.33	7.93
For Hi-Intensity Grade, Add	14.84	
10 14 53 11-0171 EA 8" High, Aluminum Engineer Grade Street Sign.....	74.06	7.93
For Hi-Intensity Grade, Add	17.46	
10 14 53 11-0172 EA 9" High, Aluminum Engineer Grade Street Sign.....	80.56	7.93
For Hi-Intensity Grade, Add	19.41	
<b>10 14 53 11-0173 Street Sign Accessories (10 14 53 11-0168)</b>		
10 14 53 11-0174 EA Single Bracket And Post Cap For Street Sign.....	19.83	3.97
10 14 53 11-0175 EA Double Bracket And Post Cap For Street Sign.....	19.83	3.97
<b>10 14 53 11-0176 Sign Posts (10 14 53 11-0001)</b>		
Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.		
<b>10 14 53 11-0177 U-Channel Sign Posts (10 14 53 11-0176)</b>		
Note: Excludes digging and concrete.		
<b>10 14 53 11-0178 Baked Enamel U-Channel Sign Posts (10 14 53 11-0177)</b>		
10 14 53 11-0179 EA 3' To 4' Baked Enamel U-Channel Sign Post Base.....	53.15	16.26
10 14 53 11-0180 EA 6' Baked Enamel U-Channel Sign Post.....	69.68	20.32
10 14 53 11-0181 EA 7' Baked Enamel U-Channel Sign Post.....	83.20	24.39
10 14 53 11-0182 EA 8' Baked Enamel U-Channel Sign Post.....	97.41	28.45
10 14 53 11-0183 EA 10' Baked Enamel U-Channel Sign Post.....	117.57	34.55
10 14 53 11-0184 EA 12' Baked Enamel U-Channel Sign Post.....	120.88	34.55
<b>10 14 53 11-0185 Galvanized Steel U-Channel Sign Posts (10 14 53 11-0177)</b>		
10 14 53 11-0186 EA 3' To 4' Galvanized Steel U-Channel Sign Post Base.....	57.41	16.26
10 14 53 11-0187 EA 6' Galvanized Steel U-Channel Sign Post.....	76.43	20.32
10 14 53 11-0188 EA 7' Galvanized Steel U-Channel Sign Post.....	98.48	24.39
10 14 53 11-0189 EA 8' Galvanized Steel U-Channel Sign Post.....	114.29	28.45
10 14 53 11-0190 EA 10' Galvanized Steel U-Channel Sign Post.....	129.86	34.55
10 14 53 11-0191 EA 12' Galvanized Steel U-Channel Sign Post.....	131.57	34.55
<b>10 14 53 11-0192 Fiberglass Or Composite Plastic U-Channel Sign Posts (10 14 53 11-0177)</b>		
10 14 53 11-0193 EA 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	52.15	16.26
10 14 53 11-0194 EA 6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	67.50	20.32
10 14 53 11-0195 EA 7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	80.57	24.39
10 14 53 11-0196 EA 8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	94.27	28.45
10 14 53 11-0197 EA 10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	111.87	34.55
10 14 53 11-0198 EA 12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	117.50	34.55

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 10</b>	<b>Information Specialties</b>
	<b>10 14</b>	<b>Signage</b>



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
10 14 53 11-0199		<b>Tubular Sign Posts</b> <small>(10 14 53 11-0176)</small> Note: Excludes digging and concrete.			
10 14 53 11-0200		<b>2-3/8" Diameter, Galvanized Steel Tubular Sign Post</b> <small>(10 14 53 11-0199)</small>			
10 14 53 11-0201	EA	6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	77.13		20.32
10 14 53 11-0202	EA	7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	91.54		24.39
10 14 53 11-0203	EA	8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	108.10		28.45
10 14 53 11-0204	EA	10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	139.10		34.55
10 14 53 11-0205	EA	12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	150.69		34.55
10 14 53 11-0206		<b>Square Sign Posts</b> <small>(10 14 53 11-0176)</small> Note: Excludes digging and concrete.			
10 14 53 11-0207		<b>Galvanized Steel Square Sign Posts</b> <small>(10 14 53 11-0206)</small>			
10 14 53 11-0208	EA	3' To 4' Galvanized Steel Square Sign Post Base .....	58.35		16.26
10 14 53 11-0209	EA	6' Galvanized Steel Square Sign Post .....	92.43		20.32
10 14 53 11-0210	EA	7' Galvanized Steel Square Sign Post .....	108.43		24.39
10 14 53 11-0211	EA	8' Galvanized Steel Square Sign Post .....	126.47		28.45
10 14 53 11-0212	EA	10' Galvanized Steel Square Sign Post .....	154.43		34.55
10 14 53 11-0213	EA	12' Galvanized Steel Square Sign Post .....	162.52		34.55
10 14 53 11-0214		<b>Standard Driven Street Sign Posts, Square</b> <small>(10 14 53 11-0176)</small>			
10 14 53 11-0215	EA	12' x 2" Square 12 Gauge Galvanized Steel Sign Post With 1'-6" x 2-1/2" Square Sleeve And 2'-6" x 2-1/4" Square Anchor Driven Into Earth.....	193.48		34.55
10 14 53 11-0216		<b>Sign Post Accessories</b> <small>(10 14 53 11-0001)</small>			
10 14 53 11-0217		<b>Sign Post Brackets</b> <small>(10 14 53 11-0216)</small>			
10 14 53 11-0218	EA	2-3/8" Outside Diameter, Single Side Sign Bracket Set..... Note: Includes 2 single side sign post brackets	38.97		5.95
10 14 53 11-0219	EA	2-3/8" Outside Diameter, Double Side Sign Bracket Set..... Note: Includes 2 double side sign post brackets	52.37		9.92
10 14 53 11-0220	EA	4" To 12" Diameter, Buckle Bracket Set .....	47.22		7.93
		Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware			
10 14 53 11-0221		<b>Sign Post Caps</b> <small>(10 14 53 11-0216)</small>			
10 14 53 11-0222	EA	2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2).....	18.03		3.97
10 14 53 11-0223		<b>Sign Post Replacement Bolts</b> <small>(10 14 53 11-0216)</small>			
10 14 53 11-0224	EA	Signage Fasteners Replacement..... Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers	12.77		
10 14 53 11-0225		<b>Removal Of Signs</b> <small>(10 14 53 11)</small> Note: Includes structural supports.			
10 14 53 11-0226	EA	>4 To 10 SF Sign Area, Sign Removal .....	158.70		
10 14 53 11-0227	EA	>10 To 20 SF Sign Area, Sign Removal .....	380.87		
10 14 53 11-0228	EA	>20 To 40 SF Sign Area, Sign Removal .....	571.30		
10 14 53 11-0229	EA	>40 To 100 SF Sign Area, Sign Removal .....	1,014.97		
10 14 53 11-0230		<b>Removal And Reinstallation Of Signs</b> <small>(10 14 53 11)</small> Note: Includes structural supports.			
10 14 53 11-0231	EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign.....	241.75		
10 14 53 11-0232	EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign.....	573.95		
10 14 53 11-0233	EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign.....	859.21		
10 14 53 11-0234	EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign.....	1,524.54		
10 14 53 11-0235	EA	Removal And Reinstallation Of Street Sign On Post.....	91.25		
10 14 53 11-0236	EA	Removal And Relocation Of Traffic Light..... Note: Excludes electrical hookup.	340.66		
<b>10 14 56</b>		<b>Bridge Signage</b> <small>(10 14)</small>			
10 14 56 00-0001		<b>Bridge And Truss Mounted Signs</b> <small>(10 14 56)</small>			
10 14 56 00-0002		<b>Removal Of Bridge And Truss Mounted Signs</b> <small>(10 14 56 00-0001)</small>			
10 14 56 00-0003	CF	Removal Of Foundation .....	16.22		
		Note: Including Excavation			
10 14 56 00-0004	LF	Removal Of Truss And Supports .....	215.32		
10 14 56 00-0005	SF	Removal Of Sign Face .....	9.84		
10 14 56 00-0006	SF	Removal Of Legend.....	16.40		
10 14 56 00-0007	EA	Removal Of Changeable Message Panel .....	189.29		
10 14 56 00-0008	EA	Removal Of Posts And Supports, Per Post.....	98.43		





<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 56 00-0009	<b>Fabricate And Install Bridge And Truss Mounted Signs</b> <small>(10 14 56 00-0001)</small>	
10 14 56 00-0010	CY Foundation For Sign Excavation, Backfill, Compaction, Concrete, Rebar, Forms And Finish .....	536.95
10 14 56 00-0011	LF Telescoping Steel Ground Posts .....	85.25
10 14 56 00-0012	LF Overhead Steel Mounting Framework .....	1,487.45
10 14 56 00-0013	LB Ground Mounted Steel Structure .....	5.81

10 14 56 00-0014	<b>Fabricate And Install New 12" Extruded Aluminum Channel</b> <small>(10 14 56 00-0001)</small>	
	Note: Includes reflective face with reflective legend.	
10 14 56 00-0015	SF 1 To 49.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....	88.71
10 14 56 00-0016	SF 50 To 99.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....	78.82
10 14 56 00-0017	SF 100 To 149.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....	70.36
10 14 56 00-0018	SF >150 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....	63.20

10 14 56 00-0019	<b>Fabricate And Install New Reflective Messages On Sign Face</b> <small>(10 14 56 00-0001)</small>	
10 14 56 00-0020	<b>One Color/3 Dimensional Demountable Letters</b> <small>(10 14 56 00-0019)</small>	
10 14 56 00-0021	EA 6" Capital Height Letter.....	27.30
10 14 56 00-0022	EA 8" Capital Height Letter.....	32.18
10 14 56 00-0023	EA 10" Capital Height Letter.....	37.03
10 14 56 00-0024	EA 12" Capital Height Letter.....	41.39
10 14 56 00-0025	EA 14" Capital Height Letter.....	43.88

10 14 56 00-0026	<b>Two Color Legend Shields-Die Cut Vinyl Engineer Grade</b> <small>(10 14 56 00-0019)</small>	
10 14 56 00-0027	EA 6" Legend/Shields.....	28.13
10 14 56 00-0028	EA 8" Legend/Shields.....	33.30
10 14 56 00-0029	EA 10" Legend/Shields.....	38.42
10 14 56 00-0030	EA 12" Legend/Shields.....	43.07
10 14 56 00-0031	EA 14" Legend/Shields.....	45.86

10 14 56 00-0032	<b>Fabricate And Install New Changeable Message Panel</b> <small>(10 14 56 00-0001)</small>	
10 14 56 00-0033	SF One Color Hi-Intensity Die Cut Vinyl Letters on Demountable Panel.....	32.63

**10 14 63 Electronic Message Signage** (10 14)

10 14 63 00-0001	<b>Dynamic Signs</b> <small>(10 14 63)</small>	
10 14 63 00-0002	<b>Programming/Software And Repair</b> <small>(10 14 63 00-0001)</small>	
10 14 63 00-0003	HR Programming Message, Graphic Visuals, Movement Of Message, And Timing Of Visuals On Screen .....	165.67
10 14 63 00-0004	HR Repair/Replacement Of Electronic Sign And Computer Components .....	103.54
10 14 63 00-0005	HR Repair Flip Disks Or Light Source.....	103.54

10 14 63 00-0006	<b>Fabricate And Install New Sign Cabinets</b> <small>(10 14 63 00-0001)</small>	
10 14 63 00-0007	<b>Cabinet For Flip Disk Display</b> <small>(10 14 63 00-0006)</small>	
10 14 63 00-0008	SF 1 To 99 SF Cabinet.....	186.37
10 14 63 00-0009	SF 100 To 200 SF Cabinet.....	152.63

10 14 63 00-0010	<b>Fabricate And Install New Sign Face Components</b> <small>(10 14 63 00-0001)</small>	
10 14 63 00-0011	<b>Enhanced Flip Disk Display</b> <small>(10 14 63 00-0010)</small>	
10 14 63 00-0012	EA Enhanced Flip Disk.....	133.11
10 14 63 00-0013	SF Lexan Lens For Flip Disk Sign.....	52.76

10 14 63 00-0014	<b>Disappearing Copy Sign</b> <small>(10 14 63 00-0010)</small>	
10 14 63 00-0015	SF 1 To 49.9 SF, Disappearing Copy Sign .....	42.60
10 14 63 00-0016	SF =>50 SF, Disappearing Copy Sign .....	30.69

10 14 63 00-0017	<b>Fabricate And Install Transfer Lights And Signs</b> <small>(10 14 63 00-0001)</small>	
10 14 63 00-0018	EA Passenger Transfer Signage .....	532.94

**10 20 Interior Specialties** (10)

**10 21 Compartments and Cubicles** (10 20)

**10 21 13 Toilet Compartments** (10 21)

**10 21 13 13 Metal Toilet Compartments** (10 21 13)

<b>10</b>	<b>10 Specialties</b>
	<b>10 20 Interior Specialties</b>
	<b>10 21 Compartments and Cubicles</b>



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
10 21 13 13-0001		<b>Enamel Coated Steel Toilet Partitions And Urinal Screens</b> <small>(10 21 13 13)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.			
10 21 13 13-0002		<b>Enamel Coated Steel Toilet Partitions</b> <small>(10 21 13 13-0001)</small> Note: All colors.			
10 21 13 13-0003		<b>Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions</b> <small>(10 21 13 13-0002)</small>			
10 21 13 13-0004	EA	36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	884.10		122.59
		<i>For &gt;10, Deduct</i>	-63.89		
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89		
10 21 13 13-0005	EA	60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,065.24		133.49
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89		
10 21 13 13-0006	EA	60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,136.72		138.94
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89		
10 21 13 13-0007		<b>Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions</b> <small>(10 21 13 13-0002)</small> Note: Includes headrail.			
10 21 13 13-0008	EA	36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition .....	926.44		149.84
		<i>For &gt;10, Deduct</i>	-62.68		
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89		
10 21 13 13-0009	EA	60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,072.68		160.73
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89		
10 21 13 13-0010	EA	60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,132.91		166.18
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89		
10 21 13 13-0011		<b>Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions</b> <small>(10 21 13 13-0002)</small> Note: Excludes above ceiling steel.			
10 21 13 13-0012	EA	36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition .....	1,093.52		177.08
		<i>For &gt;10, Deduct</i>	-73.94		
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89		
10 21 13 13-0013	EA	60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,269.94		187.98
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89		
10 21 13 13-0014	EA	60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,332.80		193.42
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89		
10 21 13 13-0015		<b>Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions</b> <small>(10 21 13 13-0002)</small> Note: Excludes above ceiling steel.			
10 21 13 13-0016	EA	36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	1,065.77		204.32
		<i>For &gt;10, Deduct</i>	-65.71		
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89		
10 21 13 13-0017	EA	60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,271.20		215.22
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89		
10 21 13 13-0018	EA	60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,340.91		220.67
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89		
10 21 13 13-0019		<b>Enamel Coated Steel Urinal Screens</b> <small>(10 21 13 13-0001)</small> Note: All colors.			
10 21 13 13-0020		<b>Floor Anchored, Enamel Coated Steel, Urinal Screens</b> <small>(10 21 13 13-0019)</small>			
10 21 13 13-0021	EA	24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	471.19		76.25
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01		
10 21 13 13-0022	EA	36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	521.54		81.69
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01		
10 21 13 13-0023	EA	48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	573.41		87.14
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01		
10 21 13 13-0024		<b>Wall Hung, Enamel Coated Steel, Urinal Screens</b> <small>(10 21 13 13-0019)</small>			
10 21 13 13-0025	EA	18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen.....	273.36		65.35
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01		
10 21 13 13-0026	EA	24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen.....	294.89		70.80
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01		
10 21 13 13-0027	EA	30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen.....	311.84		76.25
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01		



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Compartments and Cubicles</b>	<b>10 21</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 21 13 13-0028</b> Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens <small>(1021 13 13-0019)</small>		
10 21 13 13-0029 EA 18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	349.46 49.01	70.80
<b>10 21 13 13-0030</b> Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens <small>(1021 13 13-0019)</small>		
10 21 13 13-0031 EA 18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	388.98 49.01	70.80
10 21 13 13-0032 EA 24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	415.04 49.01	76.25
10 21 13 13-0033 EA 30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	441.11 49.01	81.69
<b>10 21 13 13-0034</b> Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens <small>(1021 13 13-0019)</small>		
10 21 13 13-0035 EA 22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	437.80 49.01	76.25
10 21 13 13-0036 EA 34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	469.95 49.01	81.69
10 21 13 13-0037 EA 46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	518.79 49.01	87.14
<b>10 21 13 13-0038</b> Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters <small>(1021 13 13-0001)</small>		
Note: All colors.		
<b>10 21 13 13-0039</b> Enamel Coated Steel, Toilet Partition Doors <small>(1021 13 13-0038)</small>		
10 21 13 13-0040 EA 24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	274.27 78.87	21.79
10 21 13 13-0041 EA 26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	280.34 78.87	21.79
10 21 13 13-0042 EA 30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	297.26 78.87	23.43
10 21 13 13-0043 EA 34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	324.58 78.87	23.43
10 21 13 13-0044 EA 36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	330.65 78.87	23.43
<b>10 21 13 13-0045</b> Enamel Coated Steel, Toilet Partition Panels <small>(1021 13 13-0038)</small>		
10 21 13 13-0046 EA 6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	201.96 49.01	32.69
10 21 13 13-0047 EA 12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	222.59 49.01	35.42
10 21 13 13-0048 EA 18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	243.22 49.01	38.14
10 21 13 13-0049 EA 24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	263.84 49.01	40.87
10 21 13 13-0050 EA 30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	284.47 49.01	43.59
10 21 13 13-0051 EA 36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	305.08 49.01	46.32
10 21 13 13-0052 EA 42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	324.19 49.01	49.04
10 21 13 13-0053 EA 48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	344.82 49.01	51.77
10 21 13 13-0054 EA 55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	359.37 49.01	54.48
10 21 13 13-0055 EA 58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	367.62 42.00 49.01	55.57
10 21 13 13-0056 EA 60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	378.48 42.00 49.01	57.21
10 21 13 13-0057 EA 70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	412.77 42.00 49.01	59.93
10 21 13 13-0058 EA 78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	442.50 42.00 49.01	62.66
<b>10 21 13 13-0059</b> 70" Long, Enamel Coated Steel, Toilet Partition Pilasters <small>(1021 13 13-0038)</small>		
10 21 13 13-0060 EA Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	151.06 49.01	16.35
10 21 13 13-0061 EA 5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	167.14 49.01	19.07
10 21 13 13-0062 EA 6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	184.73 49.01	21.79
10 21 13 13-0063 EA 8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	214.46 49.01	24.52

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0064	EA		10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	242.66 49.01	27.24
10 21 13 13-0065	EA		12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	270.88 49.01	29.97
10 21 13 13-0066	EA		18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	347.65 49.01	32.69
10 21 13 13-0067	EA		22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	398.63 49.01	35.42
10 21 13 13-0068	EA		24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	428.36 49.01	38.14
<b>10 21 13 13-0069</b>			<b>82" Long, Enamel Coated Steel, Toilet Partition Pilasters</b> (10 21 13 13-0038)		
10 21 13 13-0070	EA		Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	122.23 49.01	16.35
10 21 13 13-0071	EA		5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	133.75 49.01	19.07
10 21 13 13-0072	EA		6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	146.79 49.01	21.79
10 21 13 13-0073	EA		8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	165.90 49.01	24.52
10 21 13 13-0074	EA		10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	183.48 49.01	27.24
10 21 13 13-0075	EA		12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	202.58 49.01	29.97
10 21 13 13-0076	EA		18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	249.01 49.01	32.69
10 21 13 13-0077	EA		22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	280.26 49.01	35.42
10 21 13 13-0078	EA		24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	299.37 49.01	38.14
<b>10 21 13 13-0079</b>			<b>96" To 120" Long, Enamel Coated Steel, Partition Pilasters</b> (10 21 13 13-0038)		
10 21 13 13-0080	EA		Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	169.55 49.01	21.79
10 21 13 13-0081	EA		5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	185.62 49.01	24.52
10 21 13 13-0082	EA		6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	203.20 49.01	27.24
10 21 13 13-0083	EA		8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	232.94 49.01	29.97
10 21 13 13-0084	EA		10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	261.15 49.01	32.69
10 21 13 13-0085	EA		12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	289.36 49.01	35.42
10 21 13 13-0086	EA		18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	366.14 49.01	38.14
10 21 13 13-0087	EA		22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	417.12 49.01	40.87
10 21 13 13-0088	EA		24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	446.85 49.01	43.59
<b>10 21 13 14</b>			<b>Stainless-Steel Toilet Compartments</b> (10 21 13)		
<b>10 21 13 14-0001</b>			<b>Stainless Steel Toilet Partitions And Urinal Screens</b> (10 21 13 14) Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.		
<b>10 21 13 14-0002</b>			<b>Stainless Steel Toilet Partitions</b> (10 21 13 14-0001)		
<b>10 21 13 14-0003</b>			<b>Floor Anchored, Stainless Steel, Complete Toilet Partitions</b> (10 21 13 14-0002)		
10 21 13 14-0004	EA		36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,580.00 -133.48 176.89 467.18	122.59
10 21 13 14-0005	EA		60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,897.83 176.89 570.80	133.49
10 21 13 14-0006	EA		60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,987.18 176.89 598.26	138.94
<b>10 21 13 14-0007</b>			<b>Overhead Braced, Stainless Steel, Complete Toilet Partitions</b> (10 21 13 14-0002) Note: Includes headrail.		



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Compartments and Cubicles</b>	<b>10 21</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0008 EA 36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,369.26 -106.96 176.89 374.36	149.84
10 21 13 14-0009 EA 60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,651.90 176.89 465.65	160.73
10 21 13 14-0010 EA 60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,793.94 176.89 511.55	166.18
<b>10 21 13 14-0011 Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions</b> <small>(10 21 13 14-0002)</small> <i>Note: Excludes above ceiling steel.</i>		
10 21 13 14-0012 EA 36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,875.77 -152.16 176.89 532.56	177.08
10 21 13 14-0013 EA 60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,010.50 176.89 572.09	187.98
10 21 13 14-0014 EA 60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,102.37 176.89 600.43	193.42
<b>10 21 13 14-0015 Ceiling Hung, Stainless Steel, Complete Toilet Partitions</b> <small>(10 21 13 14-0002)</small> <i>Note: Excludes above ceiling steel.</i>		
10 21 13 14-0016 EA 36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,896.26 -148.76 176.89 520.66	204.32
10 21 13 14-0017 EA 60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,285.18 176.89 649.16	215.22
10 21 13 14-0018 EA 60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,399.06 176.89 685.20	220.67
<b>10 21 13 14-0019 Stainless Steel Urinal Screens</b> <small>(10 21 13 14-0001)</small>		
<b>10 21 13 14-0020 Floor Anchored, Stainless Steel, Urinal Screens</b> <small>(10 21 13 14-0019)</small>		
10 21 13 14-0021 EA 24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	546.01 49.01 137.73	76.25
10 21 13 14-0022 EA 36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	614.89 49.01 158.03	81.69
10 21 13 14-0023 EA 48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	630.54 49.01 159.69	87.14
<b>10 21 13 14-0024 Wall Hung, Stainless Steel, Urinal Screens</b> <small>(10 21 13 14-0019)</small>		
10 21 13 14-0025 EA 18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	409.89 49.01 97.71	65.35
10 21 13 14-0026 EA 24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	443.59 49.01 105.69	70.80
10 21 13 14-0027 EA 30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	483.54 49.01 115.87	76.25
<b>10 21 13 14-0028 Wall Hung And Post Supported, Stainless Steel, Urinal Screens</b> <small>(10 21 13 14-0019)</small>		
10 21 13 14-0029 EA 18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	641.23 49.01 174.87	70.80
10 21 13 14-0030 EA 24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	673.48 49.01 182.34	76.25
10 21 13 14-0031 EA 30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	705.59 49.01 189.77	81.69
<b>10 21 13 14-0032 Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens</b> <small>(10 21 13 14-0019)</small>		

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0033	EA		22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	546.01 49.01 137.73	76.25
10 21 13 14-0034	EA		34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	614.89 49.01 158.03	81.69
10 21 13 14-0035	EA		46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	686.51 49.01 179.28	87.14
<b>10 21 13 14-0036</b>			<b>Stainless Steel Toilet Partition Doors, Panels And Pilasters</b> (10 21 13 14-0001)		
<b>10 21 13 14-0037</b>			<b>Stainless Steel, Toilet Partition Doors</b> (10 21 13 14-0036)		
10 21 13 14-0038	EA		24" x 58" x 1", Stainless Steel, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	341.27 78.87 104.19	21.79
10 21 13 14-0039	EA		26" x 58" x 1", Stainless Steel, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	388.29 78.87 120.65	21.79
10 21 13 14-0040	EA		30" x 58" x 1", Stainless Steel, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	400.25 78.87 122.92	24.52
10 21 13 14-0041	EA		34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	413.82 78.87 127.67	24.52
10 21 13 14-0042	EA		36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	417.60 78.87 129.00	24.52
<b>10 21 13 14-0043</b>			<b>Stainless Steel, Toilet Partition Panels</b> (10 21 13 14-0036)		
10 21 13 14-0044	EA		6" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	304.25 49.01 83.60	32.69
10 21 13 14-0045	EA		12" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	337.28 49.01 93.26	35.42
10 21 13 14-0046	EA		18" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	352.27 49.01 96.60	38.14
10 21 13 14-0047	EA		24" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	369.07 49.01 100.57	40.87
10 21 13 14-0048	EA		30" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	395.95 49.01 108.07	43.59
10 21 13 14-0049	EA		36" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	426.90 49.01 117.00	46.32
10 21 13 14-0050	EA		42" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	495.97 49.01 139.27	49.04
10 21 13 14-0051	EA		48" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	541.74 49.01 153.38	51.77
10 21 13 14-0052	EA		55" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	556.74 49.01 156.72	54.48
10 21 13 14-0053	EA		58" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	583.32 49.01 165.26	55.57
10 21 13 14-0054	EA		60" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	618.42 49.01 176.40	57.21
10 21 13 14-0055	EA		70" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	647.98 49.01 184.84	59.93
10 21 13 14-0056	EA		78" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	708.90 49.01 204.25	62.66
<b>10 21 13 14-0057</b>			<b>70" Long, Stainless Steel, Toilet Partition Pilasters</b> (10 21 13 14-0036)		
10 21 13 14-0058	EA		Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	206.70 49.01 60.90	16.35
10 21 13 14-0059	EA		5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	225.95 49.01 65.73	19.07
10 21 13 14-0060	EA		6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	246.25 49.01 70.93	21.79



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0061	EA		8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	280.35 49.01 80.96	24.52
10 21 13 14-0062	EA		10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	314.44 49.01 90.99	27.24
10 21 13 14-0063	EA		12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	348.54 49.01 101.01	29.97
10 21 13 14-0064	EA		18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	438.87 49.01 130.72	32.69
10 21 13 14-0065	EA		22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	501.62 49.01 150.78	35.42
10 21 13 14-0066	EA		24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	535.72 49.01 160.80	38.14
<b>10 21 13 14-0067</b>			<b>82" Long, Stainless Steel, Toilet Partition Pilasters</b> (10 21 13 14-0036)		
10 21 13 14-0068	EA		Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	160.59 49.01 44.77	16.35
10 21 13 14-0069	EA		5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	174.79 49.01 47.83	19.07
10 21 13 14-0070	EA		6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	189.44 49.01 51.05	21.79
10 21 13 14-0071	EA		8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	243.44 49.01 68.04	24.52
10 21 13 14-0072	EA		10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	274.46 49.01 76.99	27.24
10 21 13 14-0073	EA		12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	285.21 49.01 78.85	29.97
10 21 13 14-0074	EA		18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	322.34 49.01 89.94	32.69
10 21 13 14-0075	EA		22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	362.62 49.01 102.13	35.42
10 21 13 14-0076	EA		24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	385.35 49.01 108.17	38.14
<b>10 21 13 14-0077</b>			<b>96" To 120" Long, Stainless Steel, Toilet Partition Pilasters</b> (10 21 13 14-0036)		
10 21 13 14-0078	EA		Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	229.28 49.01 64.99	21.79
10 21 13 14-0079	EA		5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	251.70 49.01 70.93	24.52
10 21 13 14-0080	EA		6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	273.06 49.01 76.50	27.24
10 21 13 14-0081	EA		8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	312.46 49.01 88.39	29.97
10 21 13 14-0082	EA		10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	350.81 49.01 99.90	32.69
10 21 13 14-0083	EA		12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	389.15 49.01 111.41	35.42
10 21 13 14-0084	EA		18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	495.40 49.01 146.69	38.14
10 21 13 14-0085	EA		22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	566.63 49.01 169.72	40.87
10 21 13 14-0086	EA		24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	606.04 49.01 181.60	43.59

**10 21 13 16 Plastic-Laminate-Clad Toilet Compartments** (10 21 13)

<b>10</b>	<b>10 Specialties</b>
	<b>10 20 Interior Specialties</b>
	<b>10 21 Compartments and Cubicles</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 21 13 16-0001 Laminated Plastic Toilet Partitions And Urinal Screens</b> <small>(10 21 13 16)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high pressure decorative plastic laminate bonded to a solid industrial-grade particle board.		
<b>10 21 13 16-0002 Laminated Plastic Toilet Partitions</b> <small>(10 21 13 16-0001)</small> Note: Includes all standard Bobrick colors.		
<b>10 21 13 16-0003 Floor Anchored, Laminated Plastic, Complete Toilet Partitions</b> <small>(10 21 13 16-0002)</small>		
10 21 13 16-0004 EA 36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,107.68 -86.25 142.13 176.89	122.59
10 21 13 16-0005 EA 60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,350.30 142.15 176.89	133.49
10 21 13 16-0006 EA 60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,451.90 142.16 176.89	138.94
<b>10 21 13 16-0007 Overhead Braced, Laminated Plastic, Complete Toilet Partitions</b> <small>(10 21 13 16-0002)</small> Note: Includes headrail.		
10 21 13 16-0008 EA 36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,204.27 -90.46 142.17 176.89	149.84
10 21 13 16-0009 EA 60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,457.42 142.19 176.89	160.73
10 21 13 16-0010 EA 60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,566.90 142.19 176.89	166.18
<b>10 21 13 16-0011 Ceiling Hung, Laminated Plastic, Complete Toilet Partitions</b> <small>(10 21 13 16-0002)</small> Note: Excludes above ceiling steel.		
10 21 13 16-0012 EA 36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,611.38 -120.28 142.25 176.89	204.32
10 21 13 16-0013 EA 60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,872.63 142.26 176.89	215.22
10 21 13 16-0014 EA 60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,974.22 142.27 176.89	220.67
<b>10 21 13 16-0015 Laminated Plastic Urinal Screens</b> <small>(10 21 13 16-0001)</small> Note: Includes all standard Bobrick colors.		
<b>10 21 13 16-0016 Floor Anchored, Laminated Plastic, Urinal Screens</b> <small>(10 21 13 16-0015)</small>		
10 21 13 16-0017 EA 24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	474.16 49.01	76.25
10 21 13 16-0018 EA 36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	516.61 49.01	81.69
10 21 13 16-0019 EA 48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	533.70 49.01	87.14
<b>10 21 13 16-0020 Wall Hung, Laminated Plastic, Urinal Screens</b> <small>(10 21 13 16-0015)</small>		
10 21 13 16-0021 EA 18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	370.13 49.01	65.35
10 21 13 16-0022 EA 24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	390.05 49.01	70.80
10 21 13 16-0023 EA 30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	409.13 49.01	76.25
<b>10 21 13 16-0024 Wall Hung And Post Supported, Laminated Plastic, Urinal Screens</b> <small>(10 21 13 16-0015)</small>		
10 21 13 16-0025 EA 18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	486.49 49.01	70.80
10 21 13 16-0026 EA 24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	533.36 49.01	76.25





<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0027 EA 30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	584.01 49.01	81.69
<b>10 21 13 16-0028 Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens</b> (10 21 13 16-0015)		
10 21 13 16-0029 EA 24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	450.69 49.01	70.80
10 21 13 16-0030 EA 36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	494.03 49.01	76.25
10 21 13 16-0031 EA 48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	510.59 49.01	81.69
<b>10 21 13 16-0032 Laminated Plastic Toilet Partition Doors, Panels And Pilasters</b> (10 21 13 16-0001) Note: Includes all standard Bobrick colors.		
<b>10 21 13 16-0033 Laminated Plastic, Toilet Partition Doors</b> (10 21 13 16-0032)		
10 21 13 16-0034 EA 24" x 58" x 1", Laminated Plastic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	362.45 78.87	21.79
10 21 13 16-0035 EA 26" x 58" x 1", Laminated Plastic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	393.43 78.87	21.79
10 21 13 16-0036 EA 30" x 58" x 1", Laminated Plastic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	407.33 78.87	24.52
10 21 13 16-0037 EA 34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	416.91 78.87	24.52
10 21 13 16-0038 EA 36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	425.92 78.87	24.52
<b>10 21 13 16-0039 Laminated Plastic, Toilet Partition Panels</b> (10 21 13 16-0032)		
10 21 13 16-0040 EA 6" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	190.96 49.01	32.69
10 21 13 16-0041 EA 12" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	211.01 49.01	35.42
10 21 13 16-0042 EA 18" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	231.07 49.01	38.14
10 21 13 16-0043 EA 24" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	251.86 49.01	40.87
10 21 13 16-0044 EA 30" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	271.17 49.01	43.59
10 21 13 16-0045 EA 36" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	292.05 49.01	46.32
10 21 13 16-0046 EA 42" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	299.21 49.01	49.04
10 21 13 16-0047 EA 48" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	307.45 49.01	51.77
10 21 13 16-0048 EA 55" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	323.63 49.01	54.48
10 21 13 16-0049 EA 58" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	336.76 49.01	55.57
10 21 13 16-0050 EA 60" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	351.59 49.01	57.21
10 21 13 16-0051 EA 70" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	399.30 49.01	59.93
10 21 13 16-0052 EA 78" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	453.19 49.01	62.66
<b>10 21 13 16-0053 69" Long, Laminated Plastic, Toilet Partition Pilasters</b> (10 21 13 16-0032)		
10 21 13 16-0054 EA Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	152.68 9.90 49.01 119.99	16.35
10 21 13 16-0055 EA 5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	176.16 11.39 49.01 138.02	19.07
10 21 13 16-0056 EA 6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	181.61 11.39 49.01 138.02	21.79
10 21 13 16-0057 EA 8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	200.58 12.50 49.01 151.54	24.52
10 21 13 16-0058 EA 10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	209.96 12.83 49.01 155.48	27.24
10 21 13 16-0059 EA 12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	228.37 13.90 49.01 168.44	29.97

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0060	EA		18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	289.03	32.69
			<i>For 1-1/4" Pilaster, Add</i>	18.45	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For Steel Core Pilaster, Add</i>	223.65	
10 21 13 16-0061	EA		22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	348.56	35.42
			<i>For 1-1/4" Pilaster, Add</i>	22.91	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For Steel Core Pilaster, Add</i>	277.73	
10 21 13 16-0062	EA		24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	390.63	38.14
			<i>For 1-1/4" Pilaster, Add</i>	25.93	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For Steel Core Pilaster, Add</i>	314.35	
<b>10 21 13 16-0063</b>			<b>83" Long, Laminated Plastic, Toilet Partition Pilasters</b> <small>(10 21 13 16-0032)</small>		
10 21 13 16-0064	EA		Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	294.65	16.35
			<i>For 1-1/4" Pilaster, Add</i>	21.61	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For Steel Core Pilaster, Add</i>	261.96	
10 21 13 16-0065	EA		5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	326.01	19.07
			<i>For 1-1/4" Pilaster, Add</i>	23.75	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For Steel Core Pilaster, Add</i>	287.87	
10 21 13 16-0066	EA		6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	331.46	21.79
			<i>For 1-1/4" Pilaster, Add</i>	23.75	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For Steel Core Pilaster, Add</i>	287.87	
10 21 13 16-0067	EA		8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	358.88	24.52
			<i>For 1-1/4" Pilaster, Add</i>	25.56	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For Steel Core Pilaster, Add</i>	309.84	
10 21 13 16-0068	EA		10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	391.93	27.24
			<i>For 1-1/4" Pilaster, Add</i>	27.84	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For Steel Core Pilaster, Add</i>	337.45	
10 21 13 16-0069	EA		12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	418.78	29.97
			<i>For 1-1/4" Pilaster, Add</i>	29.61	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For Steel Core Pilaster, Add</i>	358.85	
10 21 13 16-0070	EA		18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	519.73	32.69
			<i>For 1-1/4" Pilaster, Add</i>	37.48	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For Steel Core Pilaster, Add</i>	454.35	
10 21 13 16-0071	EA		22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	591.37	35.42
			<i>For 1-1/4" Pilaster, Add</i>	42.94	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For Steel Core Pilaster, Add</i>	520.54	
10 21 13 16-0072	EA		24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	607.52	38.14
			<i>For 1-1/4" Pilaster, Add</i>	43.83	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For Steel Core Pilaster, Add</i>	531.24	
<b>10 21 13 19</b>			<b>Plastic Toilet Compartments</b> <small>(10 21 13)</small>		
10 21 13 19-0001			<b>Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19)</small>		
			Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0002			<b>Recycled Solid Plastic (HDPE) Toilet Partitions</b> <small>(10 21 13 19-0001)</small>		
			Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0003			<b>Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> <small>(10 21 13 19-0002)</small>		
			Note: Includes headrail.		
10 21 13 19-0004	EA		36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	1,443.12	149.84
			<i>For &gt;10, Deduct</i>	-114.35	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	708.94	
10 21 13 19-0005	EA		60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,766.06	160.73
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	895.65	
10 21 13 19-0006	EA		60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,951.74	166.18
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	1,004.02	
10 21 13 19-0007			<b>Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> <small>(10 21 13 19-0002)</small>		
			Note: Excludes above ceiling steel.		



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 19-0008	EA	36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	1,454.29	177.08
			<i>For &gt;10, Deduct</i>	-110.01	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	682.08	
10 21	13 19-0009	EA	60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,805.20	187.98
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	886.14	
10 21	13 19-0010	EA	60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,990.90	193.42
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	994.50	
10 21	13 19-0011		<b>Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> <small>(10 21 13 19-0002)</small>		
			Note: Excludes above ceiling steel.		
10 21	13 19-0012	EA	36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	1,533.73	204.32
			<i>For &gt;10, Deduct</i>	-112.51	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	697.55	
10 21	13 19-0013	EA	60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,807.66	215.22
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	853.87	
10 21	13 19-0014	EA	60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,993.34	220.67
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	962.24	
10 21	13 19-0015		<b>Recycled Solid Plastic (HDPE) Urinal Screens</b> <small>(10 21 13 19-0001)</small>		
			Note: Includes all standard Columbia Partitions colors.		
10 21	13 19-0016		<b>Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0015)</small>		
10 21	13 19-0017	EA	18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen.....	349.76	65.35
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	135.81	
10 21	13 19-0018	EA	24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen.....	369.29	70.80
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	141.16	
10 21	13 19-0019		<b>Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0015)</small>		
10 21	13 19-0020	EA	18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	439.36	70.80
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	184.61	
10 21	13 19-0021	EA	24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	549.48	76.25
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	246.13	
10 21	13 19-0022	EA	30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	609.25	81.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	276.43	
10 21	13 19-0023		<b>Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0015)</small>		
10 21	13 19-0024	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	450.25	76.25
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	184.61	
10 21	13 19-0025	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	560.37	81.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	246.13	
10 21	13 19-0026	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	660.68	87.14
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	301.56	
10 21	13 19-0027		<b>Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 19-0001)</small>		
			Note: Includes all standard Columbia Partitions colors.		
10 21	13 19-0028		<b>Recycled Solid Plastic (HDPE), Toilet Partition Doors</b> <small>(10 21 13 19-0027)</small>		
10 21	13 19-0029	EA	24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door.....	337.91	21.79
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.87	
			<i>For NFPA Class A, Add</i>	182.48	
10 21	13 19-0030	EA	26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door.....	364.69	21.79
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.87	
			<i>For NFPA Class A, Add</i>	199.08	
10 21	13 19-0031	EA	30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door.....	396.73	24.52
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.87	
			<i>For NFPA Class A, Add</i>	215.57	

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0032	EA		34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	450.93 78.87 249.17	24.52
10 21 13 19-0033	EA		36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	463.76 78.87 257.13	24.52
<b>10 21 13 19-0034</b>			<b>Recycled Solid Plastic (HDPE), Toilet Partition Panels</b> <small>(10 21 13 19-0027)</small>		
10 21 13 19-0035	EA		6" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	130.62 49.01 40.45	32.69
10 21 13 19-0036	EA		12" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	201.30 49.01 80.89	35.42
10 21 13 19-0037	EA		18" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	271.97 49.01 121.33	38.14
10 21 13 19-0038	EA		24" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	315.90 49.01 145.19	40.87
10 21 13 19-0039	EA		30" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	379.90 49.01 181.49	43.59
10 21 13 19-0040	EA		36" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	405.81 49.01 194.18	46.32
10 21 13 19-0041	EA		42" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	454.28 49.01 220.85	49.04
10 21 13 19-0042	EA		48" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	510.61 49.01 252.40	51.77
10 21 13 19-0043	EA		55" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	556.81 49.01 277.66	54.48
10 21 13 19-0044	EA		58" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	568.86 49.01 283.78	55.57
10 21 13 19-0045	EA		60" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	587.91 49.01 293.56	57.21
10 21 13 19-0046	EA		70" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	662.44 49.01 336.39	59.93
10 21 13 19-0047	EA		78" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	713.10 49.01 364.42	62.66
<b>10 21 13 19-0048</b>			<b>82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(10 21 13 19-0027)</small>		
10 21 13 19-0049	EA		Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	158.35 49.01 77.91	16.35
10 21 13 19-0050	EA		5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	176.40 49.01 85.72	19.07
10 21 13 19-0051	EA		6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	192.25 49.01 92.17	21.79
10 21 13 19-0052	EA		8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	206.99 49.01 97.93	24.52
10 21 13 19-0053	EA		10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	232.27 49.01 110.23	27.24
10 21 13 19-0054	EA		12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	257.54 49.01 122.52	29.97
10 21 13 19-0055	EA		18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	350.04 49.01 176.49	32.69
10 21 13 19-0056	EA		22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	395.07 49.01 201.03	35.42
10 21 13 19-0057	EA		24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	429.99 49.01 219.30	38.14
<b>10 21 13 19-0058</b>			<b>96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(10 21 13 19-0027)</small>		
10 21 13 19-0059	EA		Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	194.10 49.01 93.32	21.79



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0060 EA 5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	213.87 49.01 102.19	24.52
10 21 13 19-0061 EA 6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	235.66 49.01 112.33	27.24
10 21 13 19-0062 EA 8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	266.65 49.01 128.17	29.97
10 21 13 19-0063 EA 10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	297.92 49.01 144.17	32.69
10 21 13 19-0064 EA 12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	328.91 49.01 160.01	35.42
10 21 13 19-0065 EA 18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	418.55 49.01 212.21	38.14
10 21 13 19-0066 EA 22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	467.57 49.01 239.22	40.87
10 21 13 19-0067 EA 24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	508.09 49.01 260.96	43.59
<b>10 21 13 19-0068 Antimicrobial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
<b>10 21 13 19-0069 Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partitions</b> <small>(10 21 13 19-0069)</small> Note: Includes all standard Columbia Partitions colors.		
<b>10 21 13 19-0070 Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> <small>(10 21 13 19-0069)</small> Note: Includes headrail.		
10 21 13 19-0071 EA 36" x 60", Overhead Braced, Antimicrobial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,843.32 -154.37 176.89 957.06	149.84
10 21 13 19-0072 EA 60" x 60", Overhead Braced, Antimicrobial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,271.68 176.89 1,209.13	160.73
10 21 13 19-0073 EA 60" x 78", Overhead Braced, Antimicrobial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,518.54 176.89 1,355.43	166.18
<b>10 21 13 19-0074 Floor And Ceiling Anchored, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> <small>(10 21 13 19-0069)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0075 EA 36" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,839.34 -148.52 176.89 920.81	177.08
10 21 13 19-0076 EA 60" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,305.43 176.89 1,196.28	187.98
10 21 13 19-0077 EA 60" x 78", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,552.31 176.89 1,342.58	193.42
<b>10 21 13 19-0078 Ceiling Hung, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> <small>(10 21 13 19-0069)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0079 EA 36" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,927.51 -151.89 176.89 941.69	204.32

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0080	EA		60" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,289.67	215.22
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	1,152.72	
10 21 13 19-0081	EA		60" x 78", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,536.53	220.67
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	1,299.02	
<b>10 21 13 19-0082</b>			<b>Antimicrobial Recycled Solid Plastic (HDPE) Urinal Screens</b> <small>(10 21 13 19-0068)</small>		
			Note: Includes all standard Columbia Partitions colors.		
<b>10 21 13 19-0083</b>			<b>Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0082)</small>		
10 21 13 19-0084	EA		18" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	426.43	65.35
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	183.35	
10 21 13 19-0085	EA		24" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	446.16	70.80
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	188.82	
<b>10 21 13 19-0086</b>			<b>Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0082)</small>		
10 21 13 19-0087	EA		18" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	677.53	70.80
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	332.27	
10 21 13 19-0088	EA		24" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	769.03	76.25
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	382.25	
10 21 13 19-0089	EA		30" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	820.01	81.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	407.10	
<b>10 21 13 19-0090</b>			<b>Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0082)</small>		
10 21 13 19-0091	EA		24" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen .....	554.45	76.25
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	249.21	
10 21 13 19-0092	EA		36" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen .....	699.31	81.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	332.27	
10 21 13 19-0093	EA		48" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen .....	830.91	87.14
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	407.10	
<b>10 21 13 19-0094</b>			<b>Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 19-0068)</small>		
			Note: Includes all standard Columbia Partitions colors.		
<b>10 21 13 19-0095</b>			<b>Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Doors</b> <small>(10 21 13 19-0094)</small>		
10 21 13 19-0096	EA		24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door .....	440.91	21.79
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.87	
			<i>For NFPA Class A, Add</i>	246.34	
10 21 13 19-0097	EA		26" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door .....	477.09	21.79
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.87	
			<i>For NFPA Class A, Add</i>	268.77	
10 21 13 19-0098	EA		30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door .....	518.41	24.52
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.87	
			<i>For NFPA Class A, Add</i>	291.01	
10 21 13 19-0099	EA		34" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door.....	591.60	24.52
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.87	
			<i>For NFPA Class A, Add</i>	336.39	
10 21 13 19-0100	EA		36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door.....	608.91	24.52
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.87	
			<i>For NFPA Class A, Add</i>	347.12	
<b>10 21 13 19-0101</b>			<b>Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panels</b> <small>(10 21 13 19-0094)</small>		
10 21 13 19-0102	EA		6" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	153.44	32.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	54.60	
10 21 13 19-0103	EA		12" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	246.96	35.42
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	109.20	
10 21 13 19-0104	EA		18" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	340.47	38.14
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	163.80	
10 21 13 19-0105	EA		24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	397.85	40.87
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	195.99	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 19-0106	EA	30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	482.34 49.01 245.00	43.59
10 21	13 19-0107	EA	36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	515.43 49.01 262.14	46.32
10 21	13 19-0108	EA	42" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	578.96 49.01 298.15	49.04
10 21	13 19-0109	EA	48" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	653.10 49.01 340.74	51.77
10 21	13 19-0110	EA	55" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	713.55 49.01 374.84	54.48
10 21	13 19-0111	EA	58" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	729.05 49.01 383.10	55.57
10 21	13 19-0112	EA	60" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	753.62 49.01 396.30	57.21
10 21	13 19-0113	EA	70" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	852.34 49.01 454.13	59.93
10 21	13 19-0114	EA	78" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	918.82 49.01 491.97	62.66
<b>10 21</b>	<b>13 19-0115</b>		<b>82" Long, Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(10 21 13 19-0094)</small>		
10 21	13 19-0116	EA	Up To 4" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	202.33 49.01 105.18	16.35
10 21	13 19-0117	EA	5" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	224.80 49.01 115.73	19.07
10 21	13 19-0118	EA	6" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	244.27 49.01 124.42	21.79
10 21	13 19-0119	EA	8" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	281.66 49.01 144.22	24.52
10 21	13 19-0120	EA	10" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	316.33 49.01 162.35	27.24
10 21	13 19-0121	EA	12" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	350.96 49.01 180.44	29.97
10 21	13 19-0122	EA	18" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	449.66 49.01 238.25	32.69
10 21	13 19-0123	EA	22" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	508.55 49.01 271.39	35.42
10 21	13 19-0124	EA	24" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	553.79 49.01 296.06	38.14
<b>10 21</b>	<b>13 19-0125</b>		<b>96" To 120", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(10 21 13 19-0094)</small>		
10 21	13 19-0126	EA	Up To 4" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	246.78 49.01 125.98	21.79
10 21	13 19-0127	EA	5" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	271.57 49.01 137.97	24.52
10 21	13 19-0128	EA	6" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	299.09 49.01 151.66	27.24
10 21	13 19-0129	EA	8" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	339.01 49.01 173.03	29.97
10 21	13 19-0130	EA	10" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	379.32 49.01 194.64	32.69
10 21	13 19-0131	EA	12" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	419.24 49.01 216.01	35.42
10 21	13 19-0132	EA	18" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	538.36 49.01 286.49	38.14

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0133	EA		22" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	602.61	40.87
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	322.95	
10 21 13 19-0134	EA		24 x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	655.40	43.59
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
			<i>For NFPA Class A, Add</i>	352.30	
10 21 13 19-0135			<b>Solid Phenolic Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19)</small>		
			Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.		
10 21 13 19-0136			<b>Solid Phenolic Toilet Partitions</b> <small>(10 21 13 19-0135)</small>		
			Note: Includes all standard Bobrick colors.		
10 21 13 19-0137			<b>Floor Anchored, Solid Phenolic, Complete Toilet Partitions</b> <small>(10 21 13 19-0136)</small>		
10 21 13 19-0138	EA		36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition.....	1,664.27	122.59
			<i>For &gt;10, Deduct</i>	-141.91	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	310.27	
10 21 13 19-0139	EA		60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	2,039.84	133.49
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	385.65	
10 21 13 19-0140	EA		60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	2,274.96	138.94
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	433.28	
10 21 13 19-0141			<b>Overhead Braced, Solid Phenolic, Complete Toilet Partitions</b> <small>(10 21 13 19-0136)</small>		
			Note: Includes headrail.		
10 21 13 19-0142	EA		36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition .....	1,851.41	149.84
			<i>For &gt;10, Deduct</i>	-155.17	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	340.85	
10 21 13 19-0143	EA		60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	2,241.79	160.73
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	419.34	
10 21 13 19-0144	EA		60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	2,488.19	166.18
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	469.34	
10 21 13 19-0145			<b>Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions</b> <small>(10 21 13 19-0136)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 19-0146	EA		36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition .....	1,918.02	177.08
			<i>For &gt;10, Deduct</i>	-156.39	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	346.12	
10 21 13 19-0147	EA		60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,305.65	187.98
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	424.03	
10 21 13 19-0148	EA		60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,540.77	193.42
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	471.66	
10 21 13 19-0149			<b>Ceiling Hung, Solid Phenolic, Complete Toilet Partitions</b> <small>(10 21 13 19-0136)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 19-0150	EA		36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition.....	1,900.13	204.32
			<i>For &gt;10, Deduct</i>	-149.15	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	333.64	
10 21 13 19-0151	EA		60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	2,275.44	215.22
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	408.97	
10 21 13 19-0152	EA		60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	2,510.55	220.67
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
			<i>For NFPA Class A, Add</i>	456.60	
10 21 13 19-0153			<b>Solid Phenolic Urinal Screens</b> <small>(10 21 13 19-0135)</small>		
			Note: Includes all standard Bobrick colors.		
10 21 13 19-0154			<b>Floor Anchored, Solid Phenolic, Urinal Screens</b> <small>(10 21 13 19-0153)</small>		





<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 19-0155	EA	24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	615.01 49.01 104.75	76.25
10 21	13 19-0156	EA	36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	694.07 49.01 119.61	81.69
10 21	13 19-0157	EA	48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	829.47 49.01 146.30	87.14
<b>10 21 13 19-0158 Wall Hung, Solid Phenolic, Urinal Screens (10 21 13 19-0153)</b>					
10 21	13 19-0159	EA	18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	397.75 49.01 62.61	65.35
10 21	13 19-0160	EA	24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	459.34 49.01 73.80	70.80
10 21	13 19-0161	EA	30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	549.73 49.01 91.04	76.25
<b>10 21 13 19-0162 Wall Hung And Post Supported, Solid Phenolic, Urinal Screens (10 21 13 19-0153)</b>					
10 21	13 19-0163	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	405.17 49.01 62.43	70.80
10 21	13 19-0164	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	503.90 49.01 81.42	76.25
10 21	13 19-0165	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	587.03 49.01 97.13	81.69
<b>10 21 13 19-0166 Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens (10 21 13 19-0153)</b>					
10 21	13 19-0167	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	630.78 49.01 109.81	70.80
10 21	13 19-0168	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	710.31 49.01 124.77	76.25
10 21	13 19-0169	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	848.24 49.01 151.99	81.69
<b>10 21 13 19-0170 Solid Phenolic Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0135)</b>					
Note: Includes all standard Bobrick colors.					
<b>10 21 13 19-0171 Solid Phenolic, Toilet Partition Doors (10 21 13 19-0170)</b>					
10 21	13 19-0172	EA	24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	448.08 78.87 87.12	21.79
10 21	13 19-0173	EA	26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	463.29 78.87 90.32	21.79
10 21	13 19-0174	EA	30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	507.76 78.87 98.78	24.52
10 21	13 19-0175	EA	34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	547.42 78.87 107.11	24.52
10 21	13 19-0176	EA	36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	588.17 78.87 115.67	24.52
<b>10 21 13 19-0177 Solid Phenolic, Toilet Partition Panels (10 21 13 19-0170)</b>					
10 21	13 19-0178	EA	6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	149.68 49.01 20.97	32.69
10 21	13 19-0179	EA	12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	197.25 49.01 30.09	35.42
10 21	13 19-0180	EA	18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	265.88 49.01 43.63	38.14
10 21	13 19-0181	EA	24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	335.24 49.01 57.32	40.87
10 21	13 19-0182	EA	30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	373.27 49.01 64.44	43.59

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0183	EA		36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	413.17 49.01 71.95	46.32
10 21 13 19-0184	EA		42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	480.72 49.01 85.26	49.04
10 21 13 19-0185	EA		48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	550.26 49.01 98.99	51.77
10 21 13 19-0186	EA		55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	586.69 49.01 105.77	54.48
10 21 13 19-0187	EA		58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	602.95 49.01 108.84	55.57
10 21 13 19-0188	EA		60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	614.67 49.01 110.77	57.21
10 21 13 19-0189	EA		70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	705.75 49.01 129.03	59.93
10 21 13 19-0190	EA		78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	849.79 49.01 158.40	62.66
<b>10 21 13 19-0191</b>			<b>69" Long, Solid Phenolic, Toilet Partition Pilasters</b> <small>(10 21 13 19-0170)</small>		
10 21 13 19-0192	EA		Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	214.65 22.75 49.01 39.85	16.35
10 21 13 19-0193	EA		5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	247.14 26.13 49.01 45.80	19.07
10 21 13 19-0194	EA		6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	252.59 26.13 49.01 46.07	21.79
10 21 13 19-0195	EA		8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	292.41 30.42 49.01 53.56	24.52
10 21 13 19-0196	EA		10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	328.83 34.29 49.01 60.34	27.24
10 21 13 19-0197	EA		12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	365.27 38.17 49.01 67.12	29.97
10 21 13 19-0198	EA		16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	465.92 50.07 49.01 87.38	32.69
10 21 13 19-0199	EA		20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	571.08 62.53 49.01 108.59	35.42
10 21 13 19-0200	EA		24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	600.20 65.49 49.01 113.84	38.14
<b>10 21 13 19-0201</b>			<b>83" Long, Solid Phenolic, Toilet Partition Pilasters</b> <small>(10 21 13 19-0170)</small>		
10 21 13 19-0202	EA		Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	234.93 25.28 49.01 44.10	16.35
10 21 13 19-0203	EA		5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	275.31 29.65 49.01 51.71	19.07
10 21 13 19-0204	EA		6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	280.76 29.65 49.01 51.99	21.79
10 21 13 19-0205	EA		8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	325.08 34.51 49.01 60.42	24.52



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13	19-0206	EA 10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	367.14 39.08 49.01 68.38	27.24
10 21	13	19-0207	EA 12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	409.50 43.70 49.01 76.41	29.97
10 21	13	19-0208	EA 16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	531.83 58.31 49.01 101.22	32.69
10 21	13	19-0209	EA 20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	632.78 70.24 49.01 121.55	35.42
10 21	13	19-0210	EA 24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	665.84 73.70 49.01 127.62	38.14
10 21	13	19-0211	<b>96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters</b> <small>(10 21 13 19-0170)</small>		
10 21	13	19-0212	EA Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	266.11 27.82 49.01 48.91	21.79
10 21	13	19-0213	EA 5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	314.38 33.17 49.01 58.17	24.52
10 21	13	19-0214	EA 6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	319.82 33.17 49.01 58.45	27.24
10 21	13	19-0215	EA 8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	368.65 38.59 49.01 67.83	29.97
10 21	13	19-0216	EA 10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	416.35 43.87 49.01 76.97	32.69
10 21	13	19-0217	EA 12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	464.61 49.22 49.01 86.24	35.42
10 21	13	19-0218	EA 16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	608.65 66.55 49.01 115.61	38.14
10 21	13	19-0219	EA 20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	705.36 77.95 49.01 135.05	40.87
10 21	13	19-0220	EA 24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	742.36 81.90 49.01 141.95	43.59
10 21	13	19-0221	<b>Solid Color Reinforced Composite Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19-0221)</small> <small>Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.</small>		
10 21	13	19-0222	<b>Solid Color Reinforced Composite Toilet Partitions</b> <small>(10 21 13 19-0221)</small> <small>Note: Includes all standard Bobrick colors.</small>		
10 21	13	19-0223	<b>Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions</b> <small>(10 21 13 19-0222)</small>		
10 21	13	19-0224	EA 36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,834.56 -158.94 176.89	122.59
10 21	13	19-0225	EA 60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,252.59 176.89	133.49
10 21	13	19-0226	EA 60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,514.60 176.89	138.94

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 21 13 19-0227	<b>Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions</b> <small>(10 21 13 19-0227)</small>			
	Note: Includes headrail.			
10 21 13 19-0228	EA	36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition .....	2,037.61	149.84
		<i>For &gt;10, Deduct</i>	-173.79	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
10 21 13 19-0229	EA	60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,472.23	160.73
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
10 21 13 19-0230	EA	60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,746.89	166.18
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
10 21 13 19-0231	<b>Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions</b> <small>(10 21 13 19-0222)</small>			
	Note: Excludes above ceiling steel.			
10 21 13 19-0232	EA	36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition .....	2,105.68	177.08
		<i>For &gt;10, Deduct</i>	-175.15	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
10 21 13 19-0233	EA	60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	2,537.21	187.98
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
10 21 13 19-0234	EA	60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	2,799.24	193.42
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
10 21 13 19-0235	<b>Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions</b> <small>(10 21 13 19-0222)</small>			
	Note: Excludes above ceiling steel.			
10 21 13 19-0236	EA	36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition .....	2,079.11	204.32
		<i>For &gt;10, Deduct</i>	-167.05	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
10 21 13 19-0237	EA	60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,496.84	215.22
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
10 21 13 19-0238	EA	60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,758.85	220.67
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
10 21 13 19-0239	<b>Solid Color Reinforced Composite Urinal Screens</b> <small>(10 21 13 19-0221)</small>			
	Note: Includes all standard Bobrick colors.			
10 21 13 19-0240	<b>Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens</b> <small>(10 21 13 19-0239)</small>			
10 21 13 19-0241	EA	24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	670.51	76.25
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0242	EA	36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	757.75	81.69
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0243	EA	48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	908.09	87.14
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0244	<b>Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens</b> <small>(10 21 13 19-0239)</small>			
10 21 13 19-0245	EA	18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	429.79	65.35
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0246	EA	24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	497.47	70.80
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0247	EA	30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	597.40	76.25
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0248	<b>Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens</b> <small>(10 21 13 19-0239)</small>			
10 21 13 19-0249	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	436.79	70.80
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0250	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	546.06	76.25
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0251	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	637.87	81.69
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0252	<b>Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens</b> <small>(10 21 13 19-0239)</small>			



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Compartments and Cubicles</b>	<b>10 21</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0253 EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	689.48 49.01	70.80
10 21 13 19-0254 EA 36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	777.24 49.01	76.25
10 21 13 19-0255 EA 48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	930.43 49.01	81.69
<b>10 21 13 19-0256 Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 19-0221)</small> Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.		
<b>10 21 13 19-0257 Solid Color Reinforced Composite, Toilet Partition Doors</b> <small>(10 21 13 19-0256)</small>		
10 21 13 19-0258 EA 24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	496.61 78.87	21.79
10 21 13 19-0259 EA 26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	513.65 78.87	21.79
10 21 13 19-0260 EA 30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	562.81 78.87	24.52
10 21 13 19-0261 EA 34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	607.23 78.87	24.52
10 21 13 19-0262 EA 36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	652.86 78.87	24.52
<b>10 21 13 19-0263 Solid Color Reinforced Composite, Toilet Partition Panels</b> <small>(10 21 13 19-0256)</small>		
10 21 13 19-0264 EA 6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	159.80 49.01	32.69
10 21 13 19-0265 EA 12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	212.42 49.01	35.42
10 21 13 19-0266 EA 18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	288.63 49.01	38.14
10 21 13 19-0267 EA 24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	365.66 49.01	40.87
10 21 13 19-0268 EA 30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	407.60 49.01	43.59
10 21 13 19-0269 EA 36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	451.63 49.01	46.32
10 21 13 19-0270 EA 42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	526.64 49.01	49.04
10 21 13 19-0271 EA 48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	603.86 49.01	51.77
10 21 13 19-0272 EA 55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	644.02 49.01	54.48
10 21 13 19-0273 EA 58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	661.97 49.01	55.57
10 21 13 19-0274 EA 60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	674.71 49.01	57.21
10 21 13 19-0275 EA 70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	776.06 49.01	59.93
10 21 13 19-0276 EA 78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	936.72 49.01	62.66
<b>10 21 13 19-0277 69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters</b> <small>(10 21 13 19-0256)</small>		
10 21 13 19-0278 EA Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	236.49 25.48 49.01	16.35
10 21 13 19-0279 EA 5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	272.22 29.26 49.01	19.07
10 21 13 19-0280 EA 6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	277.67 29.26 49.01	21.79
10 21 13 19-0281 EA 8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	321.61 34.07 49.01	24.52
10 21 13 19-0282 EA 10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	361.75 38.41 49.01	27.24
10 21 13 19-0283 EA 12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	401.91 42.75 49.01	29.97
10 21 13 19-0284 EA 16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	513.99 56.08 49.01	32.69
10 21 13 19-0285 EA 20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	631.12 70.04 49.01	35.42

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0286	EA		24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	663.07	38.14
			<i>For 1" Pilaster, Add</i>	73.35	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
<b>10 21 13 19-0287</b>			<b>83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters</b> (10 21 13 19-0256)		
10 21 13 19-0288	EA		Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	259.20	16.35
			<i>For 1" Pilaster, Add</i>	26.31	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0289	EA		5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	303.77	19.07
			<i>For 1" Pilaster, Add</i>	33.20	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0290	EA		6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	309.22	21.79
			<i>For 1" Pilaster, Add</i>	33.20	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0291	EA		8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	358.21	24.52
			<i>For 1" Pilaster, Add</i>	38.65	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0292	EA		10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	404.66	27.24
			<i>For 1" Pilaster, Add</i>	43.77	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0293	EA		12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	451.45	29.97
			<i>For 1" Pilaster, Add</i>	48.94	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0294	EA		16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	587.81	32.69
			<i>For 1" Pilaster, Add</i>	65.30	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0295	EA		20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	700.22	35.42
			<i>For 1" Pilaster, Add</i>	78.67	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0296	EA		24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	736.58	38.14
			<i>For 1" Pilaster, Add</i>	82.54	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
<b>10 21 13 19-0297</b>			<b>96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters</b> (10 21 13 19-0256)		
10 21 13 19-0298	EA		Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	292.82	21.79
			<i>For 1" Pilaster, Add</i>	31.15	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0299	EA		5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	346.22	24.52
			<i>For 1" Pilaster, Add</i>	37.15	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0300	EA		6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	351.66	27.24
			<i>For 1" Pilaster, Add</i>	37.15	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0301	EA		8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	405.69	29.97
			<i>For 1" Pilaster, Add</i>	43.22	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0302	EA		10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	458.46	32.69
			<i>For 1" Pilaster, Add</i>	49.14	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0303	EA		12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	511.87	35.42
			<i>For 1" Pilaster, Add</i>	55.13	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0304	EA		16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	672.53	38.14
			<i>For 1" Pilaster, Add</i>	74.53	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0305	EA		20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	780.19	40.87
			<i>For 1" Pilaster, Add</i>	87.31	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0306	EA		24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	820.98	43.59
			<i>For 1" Pilaster, Add</i>	91.73	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
<b>10 21 13 19-0307</b>			<b>Solid Polyester (Corian) Toilet Partitions And Urinal Screens</b> (10 21 13 19)		
			Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.		
<b>10 21 13 19-0308</b>			<b>Solid Polyester (Corian) Toilet Partitions</b> (10 21 13 19-0307)		
			Note: Small particulate finish.		
<b>10 21 13 19-0309</b>			<b>Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions</b> (10 21 13 19-0306)		
10 21 13 19-0310	EA		36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	4,619.96	122.59
			<i>For &gt;10, Deduct</i>	-437.48	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,006.20	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Compartments and Cubicles</b>	<b>10 21</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0311 EA 60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	5,582.49	133.49
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,222.57	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
10 21 13 19-0312 EA 60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	6,192.78	138.94
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,360.43	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
<b>10 21 13 19-0313 Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small></b>		
10 21 13 19-0314 EA 36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	4,793.60	149.84
<i>For &gt;10, Deduct</i>	-449.39	
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,033.60	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
10 21 13 19-0315 EA 60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	6,305.70	160.73
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,376.38	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
10 21 13 19-0316 EA 60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	6,983.10	166.18
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,529.67	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
<b>10 21 13 19-0317 Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small></b>		
Note: Excludes above ceiling steel.		
10 21 13 19-0318 EA 36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	5,367.88	177.08
<i>For &gt;10, Deduct</i>	-501.37	
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,153.16	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
10 21 13 19-0319 EA 60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	7,220.20	187.98
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,574.18	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
10 21 13 19-0320 EA 60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	7,897.09	193.42
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,727.35	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
<b>10 21 13 19-0321 Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small></b>		
Note: Excludes above ceiling steel.		
10 21 13 19-0322 EA 36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	5,415.92	204.32
<i>For &gt;10, Deduct</i>	-500.73	
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,151.68	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
10 21 13 19-0323 EA 60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	6,928.57	215.22
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,494.57	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
10 21 13 19-0324 EA 60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	7,605.44	220.67
<i>For Solid Color Material (No Particulate), Deduct</i>	-1,647.74	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	176.89	
<b>10 21 13 19-0325 Solid Polyester (Corian) Urinal Screens <small>(10 21 13 19-0307)</small></b>		
<b>10 21 13 19-0326 Floor Anchored, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small></b>		
10 21 13 19-0327 EA 24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,265.28	76.25
<i>For Solid Color Material (No Particulate), Deduct</i>	-255.94	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0328 EA 36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,675.77	81.69
<i>For Solid Color Material (No Particulate), Deduct</i>	-347.85	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0329 EA 48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	2,086.27	87.14
<i>For Solid Color Material (No Particulate), Deduct</i>	-439.76	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
<b>10 21 13 19-0330 Wall Hung, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small></b>		
10 21 13 19-0331 EA 18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	641.81	65.35
<i>For Solid Color Material (No Particulate), Deduct</i>	-117.55	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0332 EA 24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	823.06	70.80
<i>For Solid Color Material (No Particulate), Deduct</i>	-156.73	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0333 EA 30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	1,004.33	76.25
<i>For Solid Color Material (No Particulate), Deduct</i>	-195.92	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 21 13 19-0334	Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens <sup>(10 21 13 19-0325)</sup>		
10 21 13 19-0335	EA 18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	842.68	70.80
	<i>For Solid Color Material (No Particulate), Deduct</i>	-161.25	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0336	EA 24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	1,053.38	76.25
	<i>For Solid Color Material (No Particulate), Deduct</i>	-207.20	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0337	EA 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	1,264.06	81.69
	<i>For Solid Color Material (No Particulate), Deduct</i>	-253.15	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0338	Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens <sup>(10 21 13 19-0325)</sup>		
10 21 13 19-0339	EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen .....	1,297.93	70.80
	<i>For Solid Color Material (No Particulate), Deduct</i>	-265.95	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0340	EA 34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen .....	1,708.43	76.25
	<i>For Solid Color Material (No Particulate), Deduct</i>	-357.86	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0341	EA 46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen .....	2,118.92	81.69
	<i>For Solid Color Material (No Particulate), Deduct</i>	-449.77	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0342	Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters <sup>(10 21 13 19-0307)</sup>		
10 21 13 19-0343	Solid Polyester (Corian), Toilet Partition Doors <sup>(10 21 13 19-0342)</sup>		
10 21 13 19-0344	EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door .....	1,009.28	21.79
	<i>For Solid Color Material (No Particulate), Deduct</i>	-222.11	
	<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.87	
10 21 13 19-0345	EA 26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door .....	1,078.30	21.79
	<i>For Solid Color Material (No Particulate), Deduct</i>	-237.98	
	<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.87	
10 21 13 19-0346	EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door .....	1,229.72	24.52
	<i>For Solid Color Material (No Particulate), Deduct</i>	-271.56	
	<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.87	
10 21 13 19-0347	EA 34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door .....	1,372.14	24.52
	<i>For Solid Color Material (No Particulate), Deduct</i>	-304.31	
	<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.87	
10 21 13 19-0348	EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door .....	1,434.12	24.52
	<i>For Solid Color Material (No Particulate), Deduct</i>	-318.57	
	<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.87	
10 21 13 19-0349	Solid Polyester (Corian), Toilet Partition Panels <sup>(10 21 13 19-0342)</sup>		
10 21 13 19-0350	EA 6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	265.17	32.69
	<i>For Solid Color Material (No Particulate), Deduct</i>	-45.95	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0351	EA 12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	470.43	35.42
	<i>For Solid Color Material (No Particulate), Deduct</i>	-91.91	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0352	EA 18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	675.67	38.14
	<i>For Solid Color Material (No Particulate), Deduct</i>	-137.86	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0353	EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	880.93	40.87
	<i>For Solid Color Material (No Particulate), Deduct</i>	-183.82	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0354	EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,086.17	43.59
	<i>For Solid Color Material (No Particulate), Deduct</i>	-229.77	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0355	EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,291.40	46.32
	<i>For Solid Color Material (No Particulate), Deduct</i>	-275.72	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0356	EA 42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,496.67	49.04
	<i>For Solid Color Material (No Particulate), Deduct</i>	-321.68	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0357	EA 48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,701.90	51.77
	<i>For Solid Color Material (No Particulate), Deduct</i>	-367.63	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0358	EA 55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,940.45	54.48
	<i>For Solid Color Material (No Particulate), Deduct</i>	-421.24	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0359	EA 58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	2,042.55	55.57
	<i>For Solid Color Material (No Particulate), Deduct</i>	-444.22	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0360	EA 60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	2,112.41	57.21
	<i>For Solid Color Material (No Particulate), Deduct</i>	-459.54	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	
10 21 13 19-0361	EA 70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	2,450.85	59.93
	<i>For Solid Color Material (No Particulate), Deduct</i>	-536.13	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	49.01	





<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Compartments and Cubicles</b>	<b>10 21</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0362 EA 78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,722.70 -597.40 49.01	62.66
<b>10 21 13 19-0363 72" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0342)</b>		
10 21 13 19-0364 EA Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	346.26 -72.12 49.01	16.35
10 21 13 19-0365 EA 5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	430.10 -90.15 49.01	19.07
10 21 13 19-0366 EA 6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	513.95 -108.18 49.01	21.79
10 21 13 19-0367 EA 8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	676.21 -144.25 49.01	24.52
10 21 13 19-0368 EA 10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	838.43 -180.31 49.01	27.24
10 21 13 19-0369 EA 12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,000.67 -216.37 49.01	29.97
10 21 13 19-0370 EA 18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,476.48 -324.55 49.01	32.69
10 21 13 19-0371 EA 22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,795.52 -396.68 49.01	35.42
10 21 13 19-0372 EA 24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,957.76 -432.74 49.01	38.14
<b>10 21 13 19-0373 82" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0342)</b>		
10 21 13 19-0374 EA Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	389.81 -82.14 49.01	16.35
10 21 13 19-0375 EA 5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	484.56 -102.68 49.01	19.07
10 21 13 19-0376 EA 6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	569.08 -120.86 49.01	21.79
10 21 13 19-0377 EA 8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	776.92 -167.41 49.01	24.52
10 21 13 19-0378 EA 10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	947.30 -205.35 49.01	27.24
10 21 13 19-0379 EA 12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,131.31 -246.42 49.01	29.97
10 21 13 19-0380 EA 18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,672.47 -369.63 49.01	32.69
10 21 13 19-0381 EA 22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,035.06 -451.77 49.01	35.42
10 21 13 19-0382 EA 24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,219.07 -492.84 49.01	38.14
<b>10 21 13 19-0383 96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0342)</b>		
10 21 13 19-0384 EA Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	513.95 -108.18 49.01	21.79
10 21 13 19-0385 EA 5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	637.00 -135.23 49.01	24.52
10 21 13 19-0386 EA 6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	760.04 -162.28 49.01	27.24
10 21 13 19-0387 EA 8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,000.67 -216.37 49.01	29.97
10 21 13 19-0388 EA 10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,241.30 -270.46 49.01	32.69
10 21 13 19-0389 EA 12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,481.93 -324.55 49.01	35.42

**10 Specialties**  
**10 20 Interior Specialties**  
**10 21 Compartments and Cubicles**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0390	EA		18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,192.94 -486.83 49.01	38.14
10 21 13 19-0391	EA		22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,668.77 -595.02 49.01	40.87
10 21 13 19-0392	EA		24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,909.40 -649.11 49.01	43.59

**10 21 13 43 Compartments and Cubicles Common Accessories** (10 21 13)

**10 21 13 43-0001 Accessories** (10 21 13 43)

10 21 13 43-0002	LF		Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens.....	11.95	2.18
10 21 13 43-0003	LF		Stainless Steel Headrails For Toilet Partitions And Urinal Screens.....	22.75	2.18
10 21 13 43-0004	EA		Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts.....	80.81	
10 21 13 43-0005	EA		Replacement Of 58" Aluminum Wall U Bracket.....	62.75	
10 21 13 43-0006	EA		Replacement Of 58" Aluminum Wall Two Ear Bracket.....	104.26	
10 21 13 43-0007	EA		Replacement Of 54" Stainless Steel Wall U Bracket.....	63.08	
10 21 13 43-0008	EA		Replacement Of 54" Stainless Steel Wall Two Ear Bracket.....	145.75	
10 21 13 43-0009	EA		Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors.....	177.23	
10 21 13 43-0010	EA		Replacement Of 57-1/2" Stainless Steel Hinge.....	108.48	

**10 21 16 Shower and Dressing Compartments** (10 21)

**10 21 16 17 Phenolic-Core Shower and Dressing Compartments** (10 21 16)

**10 21 16 17-0001 Shower Dividers** (10 21 16 17)

**10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers** (10 21 16 17-0001)

Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.

10 21 16 17-0003	EA		18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider..... <i>For 66" High Panels, Add</i>	1,106.36 125.09	136.22
10 21 16 17-0004	EA		24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider..... <i>For 66" High Panels, Add</i>	1,406.14 166.79	147.12
10 21 16 17-0005	EA		36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider..... <i>For 66" High Panels, Add</i>	1,835.95 226.35	163.46
10 21 16 17-0006	EA		48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider..... <i>For 66" High Panels, Add</i>	2,168.39 268.05	190.71
10 21 16 17-0007	EA		57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider..... <i>For 66" High Panels, Add</i>	2,500.87 309.75	217.95

**10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track** (10 21 16 17-0001)

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Headrail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in headrail.

10 21 16 17-0009	EA		18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track ..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	2,729.05 385.42 72.30 99.59 122.09 146.99 132.88 172.88	239.41
10 21 16 17-0010	EA		24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track ..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	3,390.88 482.49 91.27 125.18 153.86 185.15 137.29 177.29	261.42
10 21 16 17-0011	EA		36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track ..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	4,306.42 618.16 118.07 161.14 198.64 238.93 140.60 180.60	277.99
10 21 16 17-0012	EA		48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track ..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	4,593.08 657.86 125.35 171.28 210.99 253.82 147.20 187.20	311.01



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 16 17-0013 EA 57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track .....	5,264.78	338.03
For 66" High Panels, Add	755.92	
For 6" Wide Head Rail, Add	144.42	
For 8" Wide Head Rail, Add	197.07	
For 10" Wide Head Rail, Add	242.96	
For 12" Wide Head Rail, Add	292.23	
For 18" Wide, 1/2" Thick Bench, Add	152.60	
For 24" Wide, 1/2" Thick Bench, Add	192.60	

**10 22 Partitions** (10 20)

**10 22 13 Wire Mesh Partitions** (10 22)

**10 22 13 00-0001 Wall Panels** (10 22 13)

Note: Includes steel frame and posts. Posts bolted to floor.

10 22 13 00-0002 SF Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts .....	15.82	1.36
For 5' Wide Panels, Add	0.65	
10 22 13 00-0003 SF Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts .....	17.47	1.63
For 5' Wide Panels, Add	0.71	
10 22 13 00-0004 SF Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts .....	19.63	1.90
For 5' Wide Panels, Add	0.79	

**10 22 13 00-0005 Ceiling Panels** (10 22 13)

Note: Includes steel frame.

10 22 13 00-0006 SF Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts .....	16.30	1.63
10 22 13 00-0007 SF Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts .....	17.96	1.90
10 22 13 00-0008 SF Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts .....	19.86	2.18

**10 22 13 00-0009 Sliding Doors** (10 22 13)

Note: Includes padlocks lugs and/or provisions for cylinder lock.

10 22 13 00-0010 EA 4' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,431.88	286.06
For 8 Gauge, Add	157.57	
For 6 Gauge, Add	315.14	
10 22 13 00-0011 EA 4' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,503.48	316.02
For 8 Gauge, Add	162.32	
For 6 Gauge, Add	324.63	
10 22 13 00-0012 EA 5' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,650.59	326.92
For 8 Gauge, Add	182.20	
For 6 Gauge, Add	364.41	
10 22 13 00-0013 EA 5' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,801.26	354.16
For 8 Gauge, Add	199.36	
For 6 Gauge, Add	398.71	
10 22 13 00-0014 EA 6' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,859.41	375.95
For 8 Gauge, Add	203.72	
For 6 Gauge, Add	407.44	
10 22 13 00-0015 EA 6' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	2,051.64	397.76
For 8 Gauge, Add	228.20	
For 6 Gauge, Add	456.39	
10 22 13 00-0016 EA 8' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	2,204.85	427.72
For 8 Gauge, Add	245.18	
For 6 Gauge, Add	490.37	
10 22 13 00-0017 EA 8' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	2,406.20	446.79
For 8 Gauge, Add	271.57	
For 6 Gauge, Add	543.14	
10 22 13 00-0018 EA 10' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	2,425.08	457.69
For 8 Gauge, Add	272.22	
For 6 Gauge, Add	544.45	
10 22 13 00-0019 EA 10' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	2,683.58	484.93
For 8 Gauge, Add	305.55	
For 6 Gauge, Add	611.10	

**10 22 13 00-0020 Swing Doors** (10 22 13)

**10 22 13 00-0021 Single Swing Door** (10 22 13 00-0020)

10 22 13 00-0022 EA 3' x 7' Swing Door, 10 Gauge With Cylinder Lock.....	984.02	168.91
For 8 Gauge, Add	111.28	
For 6 Gauge, Add	222.56	
10 22 13 00-0023 EA 3' x 8' Swing Door, 10 Gauge With Cylinder Lock.....	1,060.48	190.71
For 8 Gauge, Add	120.93	
For 6 Gauge, Add	241.86	
10 22 13 00-0024 EA 3' x 9' Swing Door, 10 Gauge With Cylinder Lock.....	1,137.65	201.60
For 8 Gauge, Add	130.33	
For 6 Gauge, Add	260.66	
10 22 13 00-0025 EA 4' x 7' Swing Door, 10 Gauge With Cylinder Lock.....	1,114.97	217.95
For 8 Gauge, Add	123.66	
For 6 Gauge, Add	247.31	
10 22 13 00-0026 EA 4' x 8' Swing Door, 10 Gauge With Cylinder Lock.....	1,195.05	228.84
For 8 Gauge, Add	133.49	
For 6 Gauge, Add	266.98	

**10 Specialties****10 20 Interior Specialties****10 22 Partitions**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0027	EA		4' x 9' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,248.46 139.32 278.64	239.74
10 22 13 00-0028	EA		4' x 7' Dutch Door, 10 Gauge With Cylinder Lock ..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,494.03 180.51 361.03	217.95
10 22 13 00-0029	EA		4' x 8' Dutch Door, 10 Gauge With Cylinder Lock ..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,585.99 192.13 384.26	228.84
<b>10 22 13 00-0030</b>			<b>Double Swing Doors</b> (10 22 13 00-0020)		
10 22 13 00-0031	EA		6' x 7' Double Swing Door, 10 Gauge With Cylinder Lock ..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,562.01 179.82 359.63	272.43
10 22 13 00-0032	EA		6' x 8' Double Swing Door, 10 Gauge With Cylinder Lock ..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,594.70 181.45 362.90	288.78
10 22 13 00-0033	EA		6' x 9' Double Swing Door, 10 Gauge With Cylinder Lock ..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,227.79 273.14 546.29	305.12
10 22 13 00-0034	EA		8 x 7' Double Swing Door, 10 Gauge With Cylinder Lock ..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,670.99 185.26 370.53	326.92
10 22 13 00-0035	EA		8 x 8' Double Swing Door, 10 Gauge With Cylinder Lock ..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,703.68 186.90 373.80	343.26
10 22 13 00-0036	EA		8 x 9' Double Swing Door, 10 Gauge With Cylinder Lock ..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,336.76 278.59 557.18	359.61
<b>10 22 19</b>			<b>Demountable Partitions</b> (10 22)		
<b>10 22 19 13</b>			<b>Demountable Metal Partitions</b> (10 22 19)		
10 22 19 13-0001	LF		9' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick..... <i>For &gt;9, Add 18.30</i>	146.43	17.33
10 22 19 13-0002	LF		7' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick..... <i>For &gt;9, Add 16.04</i>	128.34	13.80
10 22 19 13-0003	LF		5' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick..... <i>For &gt;9, Add 13.78</i>	110.25	10.37
10 22 19 13-0004	LF		9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel..... <i>For &gt;9, Add 19.19</i>	153.51	13.80
10 22 19 13-0005	LF		9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric..... <i>For &gt;9, Add 27.81</i>	222.47	14.84
<b>10 22 19 43</b>			<b>Demountable Composite Partitions</b> (10 22 19)		
10 22 19 43-0001	LF		Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad ..... <i>For &gt;9, Add 28.08</i>	224.64	17.33
10 22 19 43-0002	LF		Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad ..... <i>For &gt;9, Add 35.11</i>	280.91	18.89
10 22 19 43-0003	SF		Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick..... <i>For Acoustical Partitions, Add</i>	47.01 4.19	2.59
10 22 19 43-0004	SF		Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick..... <i>For Acoustical Partitions, Add</i>	59.02 5.03	4.35
10 22 19 43-0005	SF		Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick..... <i>For Acoustical Partitions, Add</i>	50.15 4.47	2.70
10 22 19 43-0006	SF		Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick..... <i>For Acoustical Partitions, Add</i>	71.69 6.43	3.74
<b>10 22 19 53</b>			<b>Demountable Gypsum Partitions</b> (10 22 19)		
<b>10 22 19 53-0001</b>			<b>Demountable Gypsum Partitions</b> (10 22 19 53)		
10 22 19 53-0002	LF		9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad..... <i>For &gt;9, Add 11.59</i>	92.71	17.33
10 22 19 53-0003	LF		9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad ..... <i>For &gt;9, Add 19.44</i>	155.48	18.89
10 22 19 53-0004	LF		9' High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad ..... <i>For &gt;9, Add 20.92</i>	167.39	20.76
10 22 19 53-0005	LF		9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad..... <i>For &gt;9, Add 22.84</i>	182.71	17.33
10 22 19 53-0006	LF		9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad..... <i>For &gt;9, Add 37.91</i>	303.27	18.89
<b>10 22 23</b>			<b>Portable Partitions, Screens, and Panels</b> (10 22)		
			Note: Includes standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate is used.		



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Partitions	10 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**10 22 23 23 Movable Panel Systems (10 22 23)**

**10 22 23 23-0001 Portable Partitions (10 22 23 23)**

10 22 23 23-0002	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High	282.16	8.31
10 22 23 23-0003	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High	300.79	9.23
10 22 23 23-0004	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High	357.59	11.11
10 22 23 23-0005	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High	207.96	4.78
10 22 23 23-0006	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High	220.73	5.50
10 22 23 23-0007	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High	248.10	6.64
10 22 23 23-0008	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High	211.52	5.08
10 22 23 23-0009	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High	376.26	9.23
10 22 23 23-0010	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High	413.50	11.11
10 22 23 23-0011	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High	219.44	6.33
10 22 23 23-0012	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High	249.64	7.37
10 22 23 23-0013	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High	201.16	5.50
10 22 23 23-0014	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High	225.74	6.64
10 22 23 23-0015	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High	334.33	9.23
10 22 23 23-0016	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High	377.16	11.11
10 22 23 23-0017	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High	339.92	9.23
10 22 23 23-0018	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High	413.50	11.11
10 22 23 23-0019	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High	262.66	5.50
10 22 23 23-0020	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High	295.63	6.64
10 22 23 23-0021	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High	277.21	5.08
10 22 23 23-0022	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High	330.72	6.02
10 22 23 23-0023	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High	160.74	6.33
10 22 23 23-0024	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High	189.54	7.37
10 22 23 23-0025	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High	171.23	6.64
10 22 23 23-0026	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High	124.86	5.08
10 22 23 23-0027	LF	Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side	203.38	6.64
10 22 23 23-0028	LF	Partitions, Portable, Metal Chalkboard, 2 Sides	231.88	6.96
10 22 23 23-0029	LF	Partitions, Portable, Tackboard, Both Sides	186.82	6.74

**10 22 23 23-0030 Adjustable Barrier Panel System (Edge Guard) (10 22 23 23)**

Note: Panels are opal or transparent. Includes self leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

10 22 23 23-0031	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	957.90	
10 22 23 23-0032	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	909.36	
10 22 23 23-0033	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	715.18	
10 22 23 23-0034	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	828.45	
10 22 23 23-0035	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010)	1,467.60	
Note: Includes a hydraulic closer and a lever style lockset standard.				
10 22 23 23-0036	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003)	1,629.41	
10 22 23 23-0037	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008)	1,953.03	
Note: Includes a hydraulic closer and a lever style lockset standard.				
10 22 23 23-0038	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	321.14	
10 22 23 23-0039	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	438.50	
10 22 23 23-0040	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	470.86	
10 22 23 23-0041	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	264.51	
10 22 23 23-0042	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	264.51	
10 22 23 23-0043	EA	Closure Strips (Edge Guard 3003)	17.73	
Note: To seal panels to existing walls				
10 22 23 23-0044	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	450.43	

**10 22 33 Accordion Folding Partitions (10 22)**

**10 22 33 00-0001 Accordion Doors/Partitions (10 22 33)**

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF	15 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 1500)	78.17	5.14
			<i>For &lt;135, Add</i>	15.63
10 22 33 00-0003	SF	20 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 2000)	79.41	5.31
			<i>For &lt;135, Add</i>	15.88
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3100)	83.14	5.48
			<i>For &lt;135, Add</i>	16.63
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3500)	88.19	5.66
			<i>For &lt;135, Add</i>	17.64
10 22 33 00-0006	SF	39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3900)	89.73	5.83
			<i>For &lt;135, Add</i>	17.95
10 22 33 00-0007	SF	40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4000)	90.85	6.00
			<i>For &lt;135, Add</i>	18.17
10 22 33 00-0008	SF	41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4100)	91.93	6.16
			<i>For &lt;135, Add</i>	18.39
10 22 33 00-0009	SF	45 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4500)	93.32	6.50
			<i>For &lt;135, Add</i>	18.66
10 22 33 00-0010	SF	Accordion Partition (Soundmaster Model 8M)	51.12	8.31

**10 22 43 Sliding Partitions (10 22)**

**10 22 43 00-0001 Operable Wall (10 22 43)**

Note: Includes top support track, assembled panel and frames.

**10 Specialties****10 20 Interior Specialties****10 22 Partitions**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 43 00-0002	SF		Up To 720 SF, 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	120.36	9.07
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i>	10.25	
10 22 43 00-0003	SF		>720 To 1,200 SF, 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	112.92	7.26
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i>	10.03	
10 22 43 00-0004	SF		>1,200 SF, 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	107.33	6.04
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i>	9.82	
10 22 43 00-0005	SF		Up To 1,080 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	103.86	6.35
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i>	9.33	
10 22 43 00-0006	SF		>1,080 To 1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	97.94	5.16
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i>	9.07	
10 22 43 00-0007	SF		>1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	94.31	4.62
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i>	8.85	
10 22 43 00-0008	SF		Up To 1,440 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	92.85	4.98
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i>	8.57	
10 22 43 00-0009	SF		>1,440 To 2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	88.22	4.26
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i>	8.30	
10 22 43 00-0010	SF		>2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	84.93	3.81
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i>	8.09	
10 22 43 00-0011	SF		Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	128.86	8.07
			Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
			<i>For 51 STC, Add</i>	11.51	
10 22 43 00-0012	SF		>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	120.26	6.13
			Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
			<i>For 51 STC, Add</i>	11.21	
10 22 43 00-0013	SF		>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	115.01	5.16
			Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
			<i>For 51 STC, Add</i>	10.95	
10 22 43 00-0014	SF		Partitions, Operable Acoustical Single Or Paired Panel (Modernfold Acoustaseal 932S/931S).....	67.86	8.82
<b>10 26 Wall and Door Protection (10 20)</b>					
<b>10 26 13 Corner Guards (10 26)</b>					
10 26 13 00-0001			Vinyl Corner Guards (10 26 13)		
10 26 13 00-0002			Rigid Vinyl Corner Guards (10 26 13 00-0001)		
10 26 13 00-0003			Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0002)		
10 26 13 00-0004			90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0003)		
10 26 13 00-0005	LF		3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34).....	7.78	3.27
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100 To 200, Deduct</i>	-1.91	
			<i>For &gt;200, Deduct</i>	-2.57	
10 26 13 00-0006	LF		1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12).....	8.35	3.27
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100 To 200, Deduct</i>	-1.91	
			<i>For &gt;200, Deduct</i>	-2.60	
10 26 13 00-0007	LF		3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13).....	11.50	3.27
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100 To 200, Deduct</i>	-1.91	
			<i>For &gt;200, Deduct</i>	-2.76	
10 26 13 00-0008	LF		4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14).....	15.44	3.27
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100 To 200, Deduct</i>	-1.91	
			<i>For &gt;200, Deduct</i>	-2.95	
10 26 13 00-0009			135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0003)		
10 26 13 00-0010	LF		1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245).....	14.74	3.27
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100 To 200, Deduct</i>	-1.91	
			<i>For &gt;200, Deduct</i>	-2.92	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Wall and Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0011 Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0001)</small> Note: Includes closure caps.		
10 26 13 00-0012 Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0011)</small>		
10 26 13 00-0013 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
10 26 13 00-0014 LF 2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20).....	14.59	4.90
For >50 To 100, Deduct	-2.04	
For >100 To 200, Deduct	-2.86	
For >200, Deduct	-4.00	
For Recycled Vinyl Retainer, Deduct	-1.28	
10 26 13 00-0015 LF 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10).....	16.34	4.90
For >50 To 100, Deduct	-2.04	
For >100 To 200, Deduct	-2.86	
For >200, Deduct	-4.09	
For Recycled Vinyl Retainer, Deduct	-1.63	
10 26 13 00-0016 LF Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30).....	18.09	4.90
For >50 To 100, Deduct	-2.04	
For >100 To 200, Deduct	-2.86	
For >200, Deduct	-4.17	
For Recycled Vinyl Retainer, Deduct	-1.98	
10 26 13 00-0017 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
10 26 13 00-0018 LF 3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135).....	21.37	4.90
For >50 To 100, Deduct	-2.04	
For >100 To 200, Deduct	-2.86	
For >200, Deduct	-4.34	
For Recycled Vinyl Retainer, Deduct	-2.64	
10 26 13 00-0019 End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small> Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0020 LF 2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11).....	30.38	6.53
For >50 To 100, Deduct	-2.72	
For >100 To 200, Deduct	-3.81	
For >200, Deduct	-5.88	
For Recycled Vinyl Retainer, Deduct	-3.90	
10 26 13 00-0021 Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0011)</small>		
10 26 13 00-0022 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		
10 26 13 00-0023 LF 2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72).....	19.63	4.90
For >50 To 100, Deduct	-2.04	
For >100 To 200, Deduct	-2.86	
For >200, Deduct	-4.25	
For Up To 2 HR Fire Rated, Add	8.02	
10 26 13 00-0024 LF 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7).....	23.79	4.90
For >50 To 100, Deduct	-2.04	
For >100 To 200, Deduct	-2.86	
For >200, Deduct	-4.46	
For Up To 2 HR Fire Rated, Add	10.93	
10 26 13 00-0025 LF Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32).....	22.00	4.90
For >50 To 100, Deduct	-2.04	
For >100 To 200, Deduct	-2.86	
For >200, Deduct	-4.37	
For Up To 2 HR Fire Rated, Add	9.68	
10 26 13 00-0026 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		
10 26 13 00-0027 LF 3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75).....	25.56	4.90
For >50 To 100, Deduct	-2.04	
For >100 To 200, Deduct	-2.86	
For >200, Deduct	-4.55	
For Up To 2 HR Fire Rated, Add	12.17	

**10 Specialties****10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 26 13 00-0028</b> End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small> Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0029 LF 2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888) .....	53.99	6.53
For >50 To 100, Deduct	-2.72	
For >100 To 200, Deduct	-3.81	
For >200, Deduct	-7.06	
For Up To 2 HR Fire Rated, Add	30.17	
<b>10 26 13 00-0030</b> Flexible Vinyl Corner Guards <small>(10 26 13 00-0001)</small> Note: Includes adhesive for installation.		
<b>10 26 13 00-0031</b> Surface Mounted, Flexible Vinyl Corner Guards <small>(10 26 13 00-0030)</small>		
<b>10 26 13 00-0032</b> 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards <small>(10 26 13 00-0031)</small>		
10 26 13 00-0033 LF 1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9) .....	10.86	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-2.72	
For Bolting To Concrete Or Masonry, Add	2.45	
10 26 13 00-0034 LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3) .....	13.98	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-2.88	
For Bolting To Concrete Or Masonry, Add	2.91	
10 26 13 00-0035 LF 4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15) .....	16.52	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-3.01	
For Bolting To Concrete Or Masonry, Add	3.30	
<b>10 26 13 00-0036</b> Polycarbonate Corner Guards <small>(10 26 13)</small>		
<b>10 26 13 00-0037</b> Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0036)</small>		
<b>10 26 13 00-0038</b> 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0037)</small>		
10 26 13 00-0039 LF 3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16) .....	7.08	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-2.53	
10 26 13 00-0040 LF 1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17) .....	8.61	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-2.61	
10 26 13 00-0041 LF 2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24) .....	10.40	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-2.70	
10 26 13 00-0042 LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18) .....	11.48	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-2.75	
10 26 13 00-0043 LF Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23) .....	11.08	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-2.73	
<b>10 26 13 00-0044</b> 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0037)</small>		
10 26 13 00-0045 LF 2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19) .....	11.48	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-2.75	
<b>10 26 13 00-0046</b> Aluminum Corner Guards <small>(10 26 13)</small>		
<b>10 26 13 00-0047</b> Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0046)</small>		
<b>10 26 13 00-0048</b> 90 Degree Angle, Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0047)</small>		
10 26 13 00-0049 LF 1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400) .....	10.19	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-2.69	
10 26 13 00-0050 LF 2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401) .....	12.26	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-2.79	





<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Wall and Door Protection</b>	<b>10 26</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26	13 00-0051	LF	3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	13.53 -1.36 -1.91 -2.86	3.27
10 26	13 00-0052		<b>135 Degree Angle, Surface Mounted, Aluminum Corner Guards</b> (10 26 13 00-0047)		
10 26	13 00-0053	LF	1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	10.19 -1.36 -1.91 -2.69	3.27
10 26	13 00-0054	LF	2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	12.26 -1.36 -1.91 -2.79	3.27
10 26	13 00-0055	LF	3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	13.53 -1.36 -1.91 -2.86	3.27
10 26	13 00-0056		<b>Steel Corner Guards</b> (10 26 13)		
10 26	13 00-0057		<b>Steel Angle Iron, Corner Guards</b> (10 26 13 00-0056)		
10 26	13 00-0058		<b>Surface Mounted, Steel Angle Iron, Corner Guards</b> (10 26 13 00-0057)		
10 26	13 00-0059		<b>90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards</b> (10 26 13 00-0058)		
10 26	13 00-0060	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard ..... <i>For Galvanizing, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	13.23 2.35 -1.63 -2.29 -3.27	3.93
10 26	13 00-0061	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard ..... <i>For Galvanizing, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	16.85 3.42 -1.77 -2.48 -3.67	4.25
10 26	13 00-0062	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard ..... <i>For Galvanizing, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	17.92 3.70 -1.84 -2.57 -3.84	4.41
10 26	13 00-0063	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard ..... <i>For Galvanizing, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	18.33 3.75 -1.91 -2.67 -3.96	4.57
10 26	13 00-0064	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard ..... <i>For Galvanizing, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	22.86 5.24 -1.97 -2.76 -4.30	4.74
10 26	13 00-0065	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard ..... <i>For Galvanizing, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	27.42 6.74 -2.04 -2.86 -4.64	4.90
10 26	13 00-0066	LF	6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard ..... <i>For Galvanizing, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	46.81 12.57 -2.72 -3.81 -6.70	6.53
10 26	13 00-0067		<b>Stainless Steel Corner Guards</b> (10 26 13)		
10 26	13 00-0068		<b>Stainless Steel Corner Guards</b> (10 26 13 00-0067) Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.		
10 26	13 00-0069		<b>Surface Mounted, Stainless Steel Corner Guards</b> (10 26 13 00-0068)		
10 26	13 00-0070		<b>90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards</b> (10 26 13 00-0069)		
10 26	13 00-0071	LF	1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	11.36 -1.36 -1.91 -2.75	3.27
10 26	13 00-0072	LF	2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	13.18 -1.36 -1.91 -2.84	3.27
10 26	13 00-0073	LF	3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	17.92 -1.36 -1.91 -3.08	3.27

**10 Specialties****10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0074	LF		Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550).....	17.92	3.27
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100 To 200, Deduct</i>	-1.91	
			<i>For &gt;200, Deduct</i>	-3.08	
10 26 13 00-0075			<b>135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards</b> <small>(10 26 13 00-0069)</small>		
10 26 13 00-0076	LF		3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600) .....	17.92	3.27
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100 To 200, Deduct</i>	-1.91	
			<i>For &gt;200, Deduct</i>	-3.08	
10 26 13 00-0077	LF		Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650).....	17.92	3.27
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100 To 200, Deduct</i>	-1.91	
			<i>For &gt;200, Deduct</i>	-3.08	
10 26 13 00-0078			<b>Stainless Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0067)</small>		
10 26 13 00-0079			<b>Surface Mounted, Stainless Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0078)</small>		
10 26 13 00-0080			<b>90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0079)</small>		
10 26 13 00-0081	LF		1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	22.00	3.93
			<i>For &gt;50 To 100, Deduct</i>	-1.63	
			<i>For &gt;100 To 200, Deduct</i>	-2.29	
			<i>For &gt;200, Deduct</i>	-3.71	
10 26 13 00-0082	LF		2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	36.40	4.25
			<i>For &gt;50 To 100, Deduct</i>	-1.77	
			<i>For &gt;100 To 200, Deduct</i>	-2.48	
			<i>For &gt;200, Deduct</i>	-4.65	
10 26 13 00-0083	LF		2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	50.77	4.41
			<i>For &gt;50 To 100, Deduct</i>	-1.84	
			<i>For &gt;100 To 200, Deduct</i>	-2.57	
			<i>For &gt;200, Deduct</i>	-5.48	
10 26 13 00-0084	LF		3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	47.43	4.57
			<i>For &gt;50 To 100, Deduct</i>	-1.91	
			<i>For &gt;100 To 200, Deduct</i>	-2.67	
			<i>For &gt;200, Deduct</i>	-5.42	
10 26 13 00-0085	LF		3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	67.66	4.74
			<i>For &gt;50 To 100, Deduct</i>	-1.97	
			<i>For &gt;100 To 200, Deduct</i>	-2.76	
			<i>For &gt;200, Deduct</i>	-6.54	
10 26 13 00-0086	LF		4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	62.55	4.90
			<i>For &gt;50 To 100, Deduct</i>	-2.04	
			<i>For &gt;100 To 200, Deduct</i>	-2.86	
			<i>For &gt;200, Deduct</i>	-6.40	
10 26 13 00-0087			<b>Rubber Corner Guards</b> <small>(10 26 13)</small>		
			Note: Includes adhesive for installation.		
10 26 13 00-0088			<b>Natural Rubber Corner Guards</b> <small>(10 26 13 00-0087)</small>		
10 26 13 00-0089			<b>Surface Mounted, Natural Rubber Corner Guards</b> <small>(10 26 13 00-0088)</small>		
10 26 13 00-0090			<b>90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards</b> <small>(10 26 13 00-0089)</small>		
10 26 13 00-0091	LF		4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5).....	52.27	3.27
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100 To 200, Deduct</i>	-1.91	
			<i>For &gt;200, Deduct</i>	-4.79	
			<i>For Bolting To Concrete Or Masonry, Add</i>	8.66	
10 26 13 00-0092			<b>Styrene-Butadiene Rubber (SBR) Corner Guards</b> <small>(10 26 13 00-0087)</small>		
10 26 13 00-0093			<b>Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards</b> <small>(10 26 13 00-0092)</small>		
10 26 13 00-0094			<b>90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards</b> <small>(10 26 13 00-0093)</small>		
10 26 13 00-0095	LF		4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2).....	23.44	3.27
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100 To 200, Deduct</i>	-1.91	
			<i>For &gt;200, Deduct</i>	-3.35	
			<i>For Bolting To Concrete Or Masonry, Add</i>	4.33	
10 26 13 00-0096			<b>Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards</b> <small>(10 26 13 00-0087)</small>		
10 26 13 00-0097			<b>Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards</b> <small>(10 26 13 00-0096)</small>		



<b>Specialties</b>	<b>10</b>
Interior Specialties	10 20
Wall and Door Protection	10 26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 26 13 00-0098</b> 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0097)</small>		
10 26 13 00-0099 LF 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E).....	20.55	3.27
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.91	
For >200, Deduct	-3.21	
For Bolting To Concrete Or Masonry, Add	3.90	
<b>10 26 16 Bumper Guards</b> <small>(10 26)</small>		
<b>10 26 16 13 Bumper Rails</b> <small>(10 26 16)</small>		
<b>10 26 16 13-0001</b> Crash Rails <small>(10 26 16 13)</small> Note: Includes end caps.		
<b>10 26 16 13-0002</b> Polycarbonate Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0003 LF 3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3).....	12.54	4.36
For >50 To 100, Deduct	-2.18	
For >100 To 200, Deduct	-3.05	
For >200, Deduct	-4.12	
10 26 16 13-0004 LF 4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4).....	13.89	4.36
For >50 To 100, Deduct	-2.18	
For >100 To 200, Deduct	-3.05	
For >200, Deduct	-4.18	
<b>10 26 16 13-0005</b> Aluminum Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0006 LF 4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100).....	37.46	4.36
For >50 To 100, Deduct	-2.18	
For >100 To 200, Deduct	-3.05	
For >200, Deduct	-5.36	
<b>10 26 16 13-0007</b> Stainless Steel Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0008 LF 4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100).....	66.19	4.36
For >50 To 100, Deduct	-2.18	
For >100 To 200, Deduct	-3.05	
For >200, Deduct	-6.80	
10 26 16 13-0009 LF 5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200).....	51.82	4.36
For >50 To 100, Deduct	-2.18	
For >100 To 200, Deduct	-3.05	
For >200, Deduct	-6.08	
<b>10 26 16 13-0010</b> Wall Guards <small>(10 26 16 13)</small>		
<b>10 26 16 13-0011</b> Rigid Vinyl Wall Guards With Aluminum Retainers <small>(10 26 16 13-0010)</small> Note: Includes end caps.		
10 26 16 13-0012 LF 1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1).....	13.02	3.82
For >50 To 100, Deduct	-1.91	
For >100 To 200, Deduct	-2.67	
For >200, Deduct	-3.70	
10 26 16 13-0013 LF 3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3).....	15.88	4.36
For >50 To 100, Deduct	-2.18	
For >100 To 200, Deduct	-3.05	
For >200, Deduct	-4.28	
10 26 16 13-0014 LF 4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4).....	17.22	4.36
For >50 To 100, Deduct	-2.18	
For >100 To 200, Deduct	-3.05	
For >200, Deduct	-4.35	
10 26 16 13-0015 LF 5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5).....	17.95	4.36
For >50 To 100, Deduct	-2.18	
For >100 To 200, Deduct	-3.05	
For >200, Deduct	-4.39	
10 26 16 13-0016 LF 6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6).....	21.48	4.63
For >50 To 100, Deduct	-2.32	
For >100 To 200, Deduct	-3.24	
For >200, Deduct	-4.78	
10 26 16 13-0017 LF 8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7).....	21.59	4.63
For >50 To 100, Deduct	-2.32	
For >100 To 200, Deduct	-3.24	
For >200, Deduct	-4.78	
10 26 16 13-0018 LF 7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8).....	22.24	4.63
For >50 To 100, Deduct	-2.32	
For >100 To 200, Deduct	-3.24	
For >200, Deduct	-4.82	
10 26 16 13-0019 LF 12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12).....	26.82	4.90
For >50 To 100, Deduct	-2.45	
For >100 To 200, Deduct	-3.43	
For >200, Deduct	-5.26	

**10 Specialties****10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0020			<b>Rubber Wall Guards</b> <small>(10 26 16 13-0010)</small>		
10 26 16 13-0021			<b>D-Shaped, Rubber Wall Guards</b> <small>(10 26 16 13-0020)</small>		
10 26 16 13-0022	LF		2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2).....	17.61	3.82
			<i>For &gt;50 To 100, Deduct</i>	-1.91	
			<i>For &gt;100 To 200, Deduct</i>	-2.67	
			<i>For &gt;200, Deduct</i>	-3.93	
10 26 16 13-0023	LF		3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3).....	25.96	4.36
			<i>For &gt;50 To 100, Deduct</i>	-2.18	
			<i>For &gt;100 To 200, Deduct</i>	-3.05	
			<i>For &gt;200, Deduct</i>	-4.79	
10 26 16 13-0024	LF		4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4).....	38.39	4.36
			<i>For &gt;50 To 100, Deduct</i>	-2.18	
			<i>For &gt;100 To 200, Deduct</i>	-3.05	
			<i>For &gt;200, Deduct</i>	-5.41	
10 26 16 13-0025	LF		6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6).....	54.05	4.36
			<i>For &gt;50 To 100, Deduct</i>	-2.18	
			<i>For &gt;100 To 200, Deduct</i>	-3.05	
			<i>For &gt;200, Deduct</i>	-6.19	
10 26 16 13-0026			<b>Rectangular, Rubber Wall Guards</b> <small>(10 26 16 13-0020)</small>		
10 26 16 13-0027	LF		8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1).....	41.09	4.63
			<i>For &gt;50 To 100, Deduct</i>	-2.32	
			<i>For &gt;100 To 200, Deduct</i>	-3.24	
			<i>For &gt;200, Deduct</i>	-5.76	
10 26 16 13-0028	LF		9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2).....	51.90	4.90
			<i>For &gt;50 To 100, Deduct</i>	-2.45	
			<i>For &gt;100 To 200, Deduct</i>	-3.43	
			<i>For &gt;200, Deduct</i>	-6.52	
10 26 16 13-0029			<b>Wing Type, Rubber Wall Guards</b> <small>(10 26 16 13-0020)</small>		
10 26 16 13-0030	LF		6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20).....	67.63	4.36
			<i>For &gt;50 To 100, Deduct</i>	-2.18	
			<i>For &gt;100 To 200, Deduct</i>	-3.05	
			<i>For &gt;200, Deduct</i>	-6.87	
10 26 16 13-0031	LF		6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30).....	71.94	4.36
			<i>For &gt;50 To 100, Deduct</i>	-2.18	
			<i>For &gt;100 To 200, Deduct</i>	-3.05	
			<i>For &gt;200, Deduct</i>	-7.09	
10 26 16 13-0032	LF		3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25).....	32.74	3.82
			<i>For &gt;50 To 100, Deduct</i>	-1.91	
			<i>For &gt;100 To 200, Deduct</i>	-2.67	
			<i>For &gt;200, Deduct</i>	-4.69	
10 26 16 13-0033			<b>U-Shaped, Rubber Wall Guards</b> <small>(10 26 16 13-0020)</small>		
10 26 16 13-0034	LF		3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4).....	57.03	4.63
			<i>For &gt;50 To 100, Deduct</i>	-2.32	
			<i>For &gt;100 To 200, Deduct</i>	-3.24	
			<i>For &gt;200, Deduct</i>	-6.56	
10 26 16 13-0035	LF		4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3).....	63.86	4.63
			<i>For &gt;50 To 100, Deduct</i>	-2.32	
			<i>For &gt;100 To 200, Deduct</i>	-3.24	
			<i>For &gt;200, Deduct</i>	-6.90	
10 26 16 13-0036			<b>Accent Rails</b> <small>(10 26 16 13)</small>		
			Note: Includes end caps.		
10 26 16 13-0037			<b>Oval, Rigid Vinyl Accent Rails With Aluminum Retainers</b> <small>(10 26 16 13-0036)</small>		
10 26 16 13-0038	LF		1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25).....	15.36	3.82
			<i>For &gt;50 To 100, Deduct</i>	-1.91	
			<i>For &gt;100 To 200, Deduct</i>	-2.67	
			<i>For &gt;200, Deduct</i>	-3.82	
10 26 16 13-0039	LF		2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30).....	15.39	3.82
			<i>For &gt;50 To 100, Deduct</i>	-1.91	
			<i>For &gt;100 To 200, Deduct</i>	-2.67	
			<i>For &gt;200, Deduct</i>	-3.82	
10 26 16 13-0040	LF		2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22).....	22.01	3.82
			<i>For &gt;50 To 100, Deduct</i>	-1.91	
			<i>For &gt;100 To 200, Deduct</i>	-2.67	
			<i>For &gt;200, Deduct</i>	-4.15	

**10 26 16 16 Protective Corridor Handrails** (10 26 16)10 26 16 16-0001 Protective Corridor Handrails (10 26 16 16)10 26 16 16-0002 Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers (10 26 16 16-0001)



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Wall and Door Protection	10 26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 16-0003	LF		1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN) ..... 28.55		8.17
			<i>For &gt;50 To 100, Deduct</i>	-4.09	
			<i>For &gt;100 To 200, Deduct</i>	-5.72	
			<i>For &gt;200, Deduct</i>	-7.96	
10 26 16 16-0004	EA		End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn) ..... 25.06		8.17
			<i>For &gt;25 To 50, Deduct</i>	-4.09	
			<i>For &gt;50 To 100, Deduct</i>	-5.72	
			<i>For &gt;100, Deduct</i>	-7.79	
10 26 16 16-0005	LF		5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C)..... 39.02		8.17
			<i>For &gt;50 To 100, Deduct</i>	-4.09	
			<i>For &gt;100 To 200, Deduct</i>	-5.72	
			<i>For &gt;200, Deduct</i>	-8.49	
10 26 16 16-0006	EA		End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)..... 32.04		8.17
			<i>For &gt;25 To 50, Deduct</i>	-4.09	
			<i>For &gt;50 To 100, Deduct</i>	-5.72	
			<i>For &gt;100, Deduct</i>	-8.14	
10 26 16 16-0007	LF		6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN)..... 40.77		8.17
			<i>For &gt;50 To 100, Deduct</i>	-4.09	
			<i>For &gt;100 To 200, Deduct</i>	-5.72	
			<i>For &gt;200, Deduct</i>	-8.57	
10 26 16 16-0008	EA		End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn)..... 44.26		8.17
			<i>For &gt;25 To 50, Deduct</i>	-4.09	
			<i>For &gt;50 To 100, Deduct</i>	-5.72	
			<i>For &gt;100, Deduct</i>	-8.75	
10 26 16 16-0009	LF		6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN) ..... 52.98		8.17
			<i>For &gt;50 To 100, Deduct</i>	-4.09	
			<i>For &gt;100 To 200, Deduct</i>	-5.72	
			<i>For &gt;200, Deduct</i>	-9.19	
10 26 16 16-0010	EA		End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)..... 58.22		8.17
			<i>For &gt;25 To 50, Deduct</i>	-4.09	
			<i>For &gt;50 To 100, Deduct</i>	-5.72	
			<i>For &gt;100, Deduct</i>	-9.45	
<b>10 26 16 16-0011</b>			<b>Stainless Steel Protective Corridor Handrails</b> <small>(10 26 16 16-0001)</small>		
10 26 16 16-0012	LF		5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS) ..... 70.43		8.17
			<i>For &gt;50 To 100, Deduct</i>	-4.09	
			<i>For &gt;100 To 200, Deduct</i>	-5.72	
			<i>For &gt;200, Deduct</i>	-10.06	
10 26 16 16-0013	EA		End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn)..... 72.18		8.17
			<i>For &gt;25 To 50, Deduct</i>	-4.09	
			<i>For &gt;50 To 100, Deduct</i>	-5.72	
			<i>For &gt;100, Deduct</i>	-10.15	
<b>10 26 16 16-0014</b>			<b>Hardwood Protective Corridor Handrails</b> <small>(10 26 16 16-0001)</small>		
			Note: Includes end caps.		
10 26 16 16-0015	LF		4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C) ..... 30.23		5.71
			<i>For &gt;50 To 100, Deduct</i>	-2.86	
			<i>For &gt;100 To 200, Deduct</i>	-4.00	
			<i>For &gt;200, Deduct</i>	-6.08	
			<i>For Maple, Add</i>	0.56	
10 26 16 16-0016	LF		5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500)..... 36.34		6.09
			<i>For &gt;50 To 100, Deduct</i>	-3.05	
			<i>For &gt;100 To 200, Deduct</i>	-4.26	
			<i>For &gt;200, Deduct</i>	-6.69	
10 26 16 16-0017	LF		1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500) ..... 26.21		5.71
			<i>For &gt;50 To 100, Deduct</i>	-2.86	
			<i>For &gt;100 To 200, Deduct</i>	-4.00	
			<i>For &gt;200, Deduct</i>	-5.88	
			<i>For Maple, Add</i>	6.36	
			<i>For Oak, Add</i>	7.10	
<b>10 26 23</b>			<b>Protective Wall Covering</b> <small>(10 26)</small>		
<b>10 26 23 13</b>			<b>Impact Resistant Wall Protection</b> <small>(10 26 23)</small>		
10 26 23 13-0001			<b>Impact Resistant Wall Protection</b> <small>(10 26 23 13)</small>		
			Note: Includes standard trim.		
10 26 23 13-0002	SF		0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30)..... 8.31		2.73
10 26 23 13-0003	SF		0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40)..... 8.66		2.73
10 26 23 13-0004	SF		0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60)..... 10.68		2.73
10 26 23 13-0005			<b>Interior Polyvinyl Chloride (PVC) Soffit System</b> <small>(10 26 23 13)</small>		
			Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.		
10 26 23 13-0006			<b>"L" Design</b> <small>(10 26 23 13-0005)</small>		
10 26 23 13-0007			<b>L-Shield</b> <small>(10 26 23 13-0006)</small>		
10 26 23 13-0008	LF		2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe..... 15.62		2.73
10 26 23 13-0009	LF		3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe ..... 18.04		3.82
10 26 23 13-0010	LF		3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe ..... 23.70		4.90
10 26 23 13-0011	LF		5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe..... 32.56		5.99

**10 Specialties****10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 26 23 13-0012 "Combo" Hanger</b> <small>(10 26 23 13-0006)</small>		
10 26 23 13-0013 EA Combination "Combo" Hanger, L-Support, For 3/4" Pipe.....	17.10	5.45
10 26 23 13-0014 EA Combination "Combo" Hanger, L-Support, For 1" Pipe.....	19.77	6.54
10 26 23 13-0015 EA Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe.....	22.82	7.62
10 26 23 13-0016 EA Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe.....	25.37	8.72
10 26 23 13-0017 EA Combination "Combo" Hanger, L-Support, For 2" Pipe.....	28.42	9.81
<b>10 26 23 13-0018 Snap-2 Pipe Hanger</b> <small>(10 26 23 13-0006)</small>		
10 26 23 13-0019 EA Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe.....	14.12	5.45
10 26 23 13-0020 EA Snap-2 Pipe Hanger, L-Support, For 1" Pipe.....	17.16	6.54
10 26 23 13-0021 EA Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe.....	19.97	7.62
10 26 23 13-0022 EA Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe.....	23.26	8.72
10 26 23 13-0023 EA Snap-2 Pipe Hanger, L-Support, For 2" Pipe.....	26.69	9.81
<b>10 26 23 13-0024 Coupling</b> <small>(10 26 23 13-0006)</small>		
10 26 23 13-0025 EA Coupling, L-Shield, 1" Shield Size.....	9.29	2.73
10 26 23 13-0026 EA Coupling, L-Shield, 1-1/4" Shield Size.....	13.45	3.82
10 26 23 13-0027 EA Coupling, L-Shield, 2" Shield Size.....	19.36	4.90
10 26 23 13-0028 EA Coupling, L-Shield, 2-1/2" Shield Size.....	24.26	5.99
<b>10 26 23 13-0029 Coupling, Reducer</b> <small>(10 26 23 13-0006)</small>		
10 26 23 13-0030 EA Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size.....	26.38	3.27
10 26 23 13-0031 EA Coupling, Reducing, L-Shield, 2" x 1" Shield Size.....	32.42	3.82
10 26 23 13-0032 EA Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size.....	38.48	4.36
10 26 23 13-0033 EA Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size.....	150.77	5.45
<b>10 26 23 13-0034 Shield Clips</b> <small>(10 26 23 13-0006)</small>		
10 26 23 13-0035 EA Shield Clips, L-Support, 1" Shield Size.....	5.63	1.63
10 26 23 13-0036 EA Shield Clips, L-Support, 1-1/4" Shield Size.....	8.43	2.73
10 26 23 13-0037 EA Shield Clips, L-Support, 2" Shield Size.....	11.09	3.82
10 26 23 13-0038 EA Shield Clips, L-Support, 2-1/2" Shield Size.....	12.54	4.90
<b>10 26 23 13-0039 Wall Flange</b> <small>(10 26 23 13-0006)</small>		
10 26 23 13-0040 EA Wall Flange, L-Shield, 1" Shield Size.....	9.05	2.73
10 26 23 13-0041 EA Wall Flange, L-Shield, 1-1/4" Shield Size.....	12.95	3.82
10 26 23 13-0042 EA Wall Flange, L-Shield, 2" Shield Size.....	18.86	4.90
10 26 23 13-0043 EA Wall Flange, L-Shield, 2-1/2" Shield Size.....	78.52	5.99
<b>10 26 23 13-0044 End Cap</b> <small>(10 26 23 13-0006)</small>		
10 26 23 13-0045 EA End Cap, L-Shield, 1" Shield Size.....	9.35	1.63
10 26 23 13-0046 EA End Cap, L-Shield, 1-1/4" Shield Size.....	12.39	2.73
10 26 23 13-0047 EA End Cap, L-Shield, 2" Shield Size.....	17.17	3.82
10 26 23 13-0048 EA End Cap, L-Shield, 2-1/2" Shield Size.....	79.99	4.90
<b>10 26 23 13-0049 Inside/Outside Corner</b> <small>(10 26 23 13-0006)</small>		
10 26 23 13-0050 EA Inside/Outside Corner, L-Shield, 1" Shield Size.....	58.39	5.45
10 26 23 13-0051 EA Inside/Outside Corner, L-Shield, 1-1/4" Shield Size.....	62.92	6.54
10 26 23 13-0052 EA Inside/Outside Corner, L-Shield, 2" Shield Size.....	75.99	8.18
10 26 23 13-0053 EA Inside/Outside Corner, L-Shield, 2-1/2" Shield Size.....	133.08	9.81
<b>10 26 23 13-0054 Joiner</b> <small>(10 26 23 13-0006)</small>		
10 26 23 13-0055 LF Joiner, L-Shield.....	12.07	1.63
<b>10 26 23 13-0056 "U" Design</b> <small>(10 26 23 13-0005)</small>		
<b>10 26 23 13-0057 U-Shield</b> <small>(10 26 23 13-0056)</small>		
10 26 23 13-0058 LF 2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe.....	18.84	2.73
10 26 23 13-0059 LF 2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe.....	23.49	3.82
10 26 23 13-0060 LF 3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe.....	30.02	3.82
<b>10 26 23 13-0061 "Combo" Hanger</b> <small>(10 26 23 13-0056)</small>		
10 26 23 13-0062 EA Combination "Combo" Hanger, U-Support For 3/4" Pipe.....	14.74	5.45
10 26 23 13-0063 EA Combination "Combo" Hanger, U-Support For 1" Pipe.....	17.53	6.54
10 26 23 13-0064 EA Combination "Combo" Hanger, U-Support For 1-1/4" Pipe.....	20.22	7.62
10 26 23 13-0065 EA Combination "Combo" Hanger, U-Support For 1-1/2" Pipe.....	24.99	8.72
10 26 23 13-0066 EA Combination "Combo" Hanger, U-Support For 2" Pipe.....	28.30	9.81



<b>Specialties</b>	<b>10</b>
Interior Specialties	10 20
Wall and Door Protection	10 26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 26 23 13-0067 Snap-2 Pipe Hanger</b> <small>(10 26 23 13-0056)</small>		
10 26 23 13-0068 EA Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe .....	13.88	5.45
10 26 23 13-0069 EA Snap-2 Pipe Hanger, U-Support, For 1" Pipe .....	16.91	6.54
10 26 23 13-0070 EA Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe .....	20.59	7.62
10 26 23 13-0071 EA Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe .....	23.01	8.72
10 26 23 13-0072 EA Snap-2 Pipe Hanger, U-Support, For 2" Pipe .....	26.56	9.81
<b>10 26 23 13-0073 Coupling</b> <small>(10 26 23 13-0056)</small>		
10 26 23 13-0074 EA Coupling, U-Shield, 1" Shield Size.....	11.03	2.73
10 26 23 13-0075 EA Coupling, U-Shield, 1-1/4" Shield Size.....	13.82	3.82
10 26 23 13-0076 EA Coupling, U-Shield, 2" Shield Size.....	16.88	4.90
<b>10 26 23 13-0077 Coupling, Reducer</b> <small>(10 26 23 13-0056)</small>		
10 26 23 13-0078 EA Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size .....	31.34	3.27
10 26 23 13-0079 EA Reducing Coupling, U-Shield, 2" x 1" Shield Size.....	37.38	3.82
10 26 23 13-0080 EA Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size .....	39.72	4.36
<b>10 26 23 13-0081 Shield Clips</b> <small>(10 26 23 13-0056)</small>		
10 26 23 13-0082 EA Shield Clips, U-Support, 1" Shield Size .....	5.13	1.63
10 26 23 13-0083 EA Shield Clips, U-Support, 1-1/4" Shield Size .....	7.56	2.73
10 26 23 13-0084 EA Shield Clips, U-Support, 2" Shield Size .....	9.98	3.82
<b>10 26 23 13-0085 Wall Flange</b> <small>(10 26 23 13-0056)</small>		
10 26 23 13-0086 EA Wall Flange, U-Shield, 1" Shield Size.....	10.66	2.73
10 26 23 13-0087 EA Wall Flange, U-Shield, 1-1/4" Shield Size.....	13.70	3.82
10 26 23 13-0088 EA Wall Flange, U-Shield, 2" Shield Size.....	16.75	4.90
<b>10 26 23 13-0089 End Cap</b> <small>(10 26 23 13-0056)</small>		
10 26 23 13-0090 EA End Cap, U-Shield, 1" Shield Size.....	9.97	1.63
10 26 23 13-0091 EA End Cap, U-Shield, 1-1/4" Shield Size.....	13.39	2.73
10 26 23 13-0092 EA End Cap, U-Shield, 2" Shield Size.....	16.67	3.82
<b>10 26 23 13-0093 Inside/Outside Corner</b> <small>(10 26 23 13-0056)</small>		
10 26 23 13-0094 EA Inside/Outside Corner, U-Shield, 1" Shield Size .....	73.40	5.45
10 26 23 13-0095 EA Inside/Outside Corner, U-Shield, 1-1/4" Shield Size .....	81.64	6.54
10 26 23 13-0096 EA Inside/Outside Corner, U-Shield, 2" Shield Size .....	96.58	8.18
<b>10 26 23 13-0097 Elbow</b> <small>(10 26 23 13-0056)</small>		
10 26 23 13-0098 EA Elbow, U-Shield, 1" Shield Size .....	72.03	5.45
10 26 23 13-0099 EA Elbow, U-Shield, 1-1/4" Shield Size .....	79.16	6.54
10 26 23 13-0100 EA Elbow, U-Shield, 2" Shield Size .....	94.22	8.18
<b>10 26 23 13-0101 Tee</b> <small>(10 26 23 13-0056)</small>		
10 26 23 13-0102 EA Tee, U-Shield, 1" x 1" x 1" Shield Size.....	91.12	8.18
10 26 23 13-0103 EA Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size .....	101.34	9.81
10 26 23 13-0104 EA Tee, U-Shield, 2" x 2" x 2" Shield Size.....	118.33	11.98
10 26 23 13-0105 EA Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size .....	120.20	9.27
10 26 23 13-0106 EA Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size .....	129.64	11.44
<b>10 26 23 13-0107 Cross</b> <small>(10 26 23 13-0056)</small>		
10 26 23 13-0108 EA Cross, U-Shield, 1" Shield Size .....	165.01	10.90
10 26 23 13-0109 EA Cross, U-Shield, 1-1/4" Shield Size .....	184.87	13.07
10 26 23 13-0110 EA Cross, U-Shield, 2" Shield Size .....	224.64	16.35
10 26 23 13-0111 EA Cross, U-Shield, 1-1/4" x 1" Shield Size .....	226.34	11.98
10 26 23 13-0112 EA Cross, U-Shield, 2" x 1-1/4" Shield Size .....	248.91	14.71
<b>10 26 23 13-0113 Transition Fittings (L to U Or U to L)</b> <small>(10 26 23 13-0005)</small>		
<b>10 26 23 13-0114 Coupling Transition</b> <small>(10 26 23 13-0113)</small>		
10 26 23 13-0115 EA Transition Coupling, 1" x 1", LxU or UxL.....	28.02	2.73
10 26 23 13-0116 EA Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL .....	31.68	3.82
10 26 23 13-0117 EA Transition Coupling, 2" x 2", LxU or UxL.....	39.45	4.90
10 26 23 13-0118 EA Transition Coupling, 1" x 1-1/4", LxU or UxL.....	31.71	3.27
10 26 23 13-0119 EA Transition Coupling, 1-1/4" x 2", LxU or UxL.....	39.47	4.36
10 26 23 13-0120 EA Transition Coupling, 2" x 2-1/2", LxU or UxL.....	157.84	5.45
<b>10 26 23 13-0121 Elbow Transition</b> <small>(10 26 23 13-0113)</small>		

**10 Specialties****10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0122	EA		Transition Elbow, 1" x 1" (UxL) .....	96.96	5.45
10 26 23 13-0123	EA		Transition Elbow, 1-1/4" x 1-1/4" (UxL) .....	105.08	6.54
10 26 23 13-0124	EA		Transition Elbow, 2" x 2" (UxL) .....	123.24	8.18
10 26 23 13-0125	EA		Transition Elbow, 1" x 1-1/4" (UxL) .....	150.86	5.99
10 26 23 13-0126	EA		Transition Elbow, 1-1/4" x 1" (UxL) .....	106.72	5.99
10 26 23 13-0127	EA		Transition Elbow, 1-1/4" x 2" (UxL) .....	159.35	7.62
10 26 23 13-0128	EA		Transition Elbow, 2" x 1-1/4" (UxL) .....	123.51	7.62
10 26 23 13-0129	EA		Transition Elbow, 2" x 2-1/2" (UxL) .....	191.53	8.72
<b>10 26 23 13-0130</b>			<b>Tee Transition</b> <small>(10 26 23 13-0113)</small>		
10 26 23 13-0131	EA		Transition Tee, 1" x 1" x 1" (LxLxU) .....	111.09	8.18
10 26 23 13-0132	EA		Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU) .....	128.49	9.81
10 26 23 13-0133	EA		Transition Tee, 2" x 2" x 2" (LxLxU) .....	149.46	11.98
10 26 23 13-0134	EA		Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU) .....	117.35	9.27
10 26 23 13-0135	EA		Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU) .....	184.39	10.35
10 26 23 13-0136	EA		Transition Tee, 2" x 2" x 1-1/4" (LxLxU) .....	130.76	11.44
10 26 23 13-0137	EA		Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU) .....	178.52	13.63
<b>10 26 23 13-0138</b>			<b>Fittings (L Or U)</b> <small>(10 26 23 13-0005)</small>		
<b>10 26 23 13-0139</b>			<b>Hugger Hangers For Steel Pipe</b> <small>(10 26 23 13-0138)</small>		
10 26 23 13-0140	EA		Hugger Hanger, For 1/2" Steel Pipe .....	11.32	4.36
10 26 23 13-0141	EA		Hugger Hanger, For 3/4" Steel Pipe .....	14.12	5.45
10 26 23 13-0142	EA		Hugger Hanger, For 1" Steel Pipe .....	16.54	6.54
10 26 23 13-0143	EA		Hugger Hanger, For 1-1/4" Steel Pipe .....	19.10	7.62
10 26 23 13-0144	EA		Hugger Hanger, For 1-1/2" Steel Pipe .....	21.52	8.72
10 26 23 13-0145	EA		Hugger Hanger, For 2" Steel Pipe .....	24.21	8.72
10 26 23 13-0146	EA		Hugger Hanger, For 2-1/2" Steel Pipe .....	26.63	10.90
10 26 23 13-0147	EA		Hugger Hanger, For 3" Steel Pipe .....	33.39	11.98
<b>10 26 23 13-0148</b>			<b>Hugger Hangers For Copper Pipe</b> <small>(10 26 23 13-0138)</small>		
10 26 23 13-0149	EA		1/2" Copper Pipe, Hugger Hanger .....	11.45	4.36
10 26 23 13-0150	EA		3/4" Copper Pipe, Hugger Hanger .....	14.25	5.45
10 26 23 13-0151	EA		1" Copper Pipe, Hugger Hanger .....	16.67	6.54
10 26 23 13-0152	EA		1-1/4" Copper Pipe, Hugger Hanger .....	19.23	7.62
10 26 23 13-0153	EA		1-1/2" Copper Pipe, Hugger Hanger .....	21.65	8.72
10 26 23 13-0154	EA		2" Copper Pipe, Hugger Hanger .....	24.46	9.81
10 26 23 13-0155	EA		2-1/2" Copper Pipe, Hugger Hanger .....	26.87	10.90
10 26 23 13-0156	EA		3" Copper Pipe, Hugger Hanger .....	33.77	11.98
<b>10 26 23 13-0157</b>			<b>Shield Extension (L Or U)</b> <small>(10 26 23 13-0138)</small>		
10 26 23 13-0158	LF		Shield Extension .....	14.68	1.63
<b>10 26 23 13-0159</b>			<b>Interior Steel Soffit System</b> <small>(10 26 23 13)</small>		
			Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		
10 26 23 13-0160	SF		24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel) .....	27.83	4.90
			For 22 Gauge Steel, Add .....	1.80	
			For 20 Gauge Steel, Add .....	3.86	
			For 18 Gauge Steel, Add .....	7.57	
			For 16 Gauge Steel, Add .....	11.62	
			For Stainless Steel, Add .....	4.51	
10 26 23 13-0161	EA		U-Shield Wall Flange (JG Innovations Soffi-Steel) .....	43.66	13.63
			For Stainless Steel, Add .....	4.11	
10 26 23 13-0162	EA		U-Shield Corner (JG Innovations Soffi-Steel) .....	110.40	16.35
			For Stainless Steel, Add .....	19.16	
10 26 23 13-0163	EA		U-Shield End Cap (JG Innovations Soffi-Steel) .....	33.86	8.18
			For Stainless Steel, Add .....	4.38	
10 26 23 13-0164	EA		U-Shield Clip (JG Innovations Soffi-Steel) .....	7.24	3.27
			For Stainless Steel, Add .....	0.18	
10 26 23 13-0165	SF		24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel) .....	31.66	4.90
			For 22 Gauge Steel, Add .....	1.64	
			For 20 Gauge Steel, Add .....	3.50	
			For 18 Gauge Steel, Add .....	6.77	
			For 16 Gauge Steel, Add .....	11.36	
			For Stainless Steel, Add .....	5.46	
10 26 23 13-0166	EA		L-Shield Wall Flange (JG Innovations Soffi-Steel) .....	43.66	13.63
			For Stainless Steel, Add .....	4.11	
10 26 23 13-0167	EA		L-Shield Corner (JG Innovations Soffi-Steel) .....	110.40	16.35
			For Stainless Steel, Add .....	19.16	
10 26 23 13-0168	EA		L-Shield End Cap (JG Innovations Soffi-Steel) .....	29.49	5.99
			For Stainless Steel, Add .....	4.38	
10 26 23 13-0169	EA		L-Shield Clip (JG Innovations Soffi-Steel) .....	7.24	3.27
			For Stainless Steel, Add .....	0.18	
<b>10 26 41</b>			<b>Bullet Resistant Panels</b> <small>(10 26)</small>		





<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Wall and Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 26 41 00-0001	<b>Laminated Bullet Resistant Fiberglass Panel</b> <small>(10 26 41)</small>	
	Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.	
10 26 41 00-0002	SF 1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 LB/SF .....	20.43 1.53
10 26 41 00-0003	SF 3/16" Thick Ballistic Resistant Fiberglass Panel, 2 LB/SF .....	27.98 1.65
10 26 41 00-0004	SF 1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 LB/SF .....	31.63 1.76
10 26 41 00-0005	SF 5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 LB/SF .....	33.66 1.87
10 26 41 00-0006	SF 3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 LB/SF .....	36.46 1.97
10 26 41 00-0007	SF 7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 LB/SF .....	39.24 2.08
10 26 41 00-0008	SF 9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 LB/SF .....	66.52 2.52
10 26 41 00-0009	SF 1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 LB/SF .....	95.57 3.95
10 26 41 00-0010	SF 1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 LB/SF .....	113.62 4.72
10 26 41 00-0011	SF 1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 LB/SF .....	137.15 5.16
10 26 41 00-0012	SF 1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 LB/SF .....	156.01 5.49

**10 28 Toilet, Bath, and Laundry Accessories** (10 20)

**10 28 13 Toilet Accessories** (10 28)

**10 28 13 13 Commercial Toilet Accessories** (10 28 13)

10 28 13 13-0001	<b>Toilet Accessories</b> <small>(10 28 13 13)</small>	
10 28 13 13-0002	<b>Dispensers</b> <small>(10 28 13 13-0001)</small>	
10 28 13 13-0003	<b>Paper Towel Dispensers</b> <small>(10 28 13 13-0002)</small>	
10 28 13 13-0004	<b>Stainless Steel Paper Towel Dispensers</b> <small>(10 28 13 13-0003)</small>	
10 28 13 13-0005	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262) .....	109.51 24.51
10 28 13 13-0006	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620) .....	117.14 24.51
10 28 13 13-0007	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621) .....	118.27 24.51
10 28 13 13-0008	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212) .....	120.46 24.51
10 28 13 13-0009	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263) .....	180.75 24.51
10 28 13 13-0010	EA Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359) .....	194.76 24.51
10 28 13 13-0011	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262) .....	213.67 24.51
10 28 13 13-0012	EA Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526) .....	221.82 10.89
10 28 13 13-0013	EA Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318) .....	371.45 24.51
10 28 13 13-0014	EA Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860) .....	439.43 24.51
10 28 13 13-0015	EA Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369) .....	472.95 24.51
10 28 13 13-0016	EA Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466) .....	269.25 24.51
10 28 13 13-0017	EA Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476) .....	144.04 13.62
10 28 13 13-0018	<b>Plastic Paper Towel Dispensers</b> <small>(10 28 13 13-0003)</small>	
10 28 13 13-0019	EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262) .....	83.50 24.51
10 28 13 13-0020	EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860) .....	171.14 24.51
10 28 13 13-0021	EA Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860) .....	169.96 24.51
10 28 13 13-0022	EA Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462) .....	144.76 24.51
10 28 13 13-0023	<b>Aluminum Paper Towel Dispensers</b> <small>(10 28 13 13-0003)</small>	
10 28 13 13-0024	EA Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253) .....	91.14 24.51
10 28 13 13-0025	<b>Toilet Tissue Dispensers</b> <small>(10 28 13 13-0002)</small>	
10 28 13 13-0026	<b>Plastic Toilet Tissue Dispensers</b> <small>(10 28 13 13-0025)</small>	
10 28 13 13-0027	EA Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288) .....	83.22 24.51
10 28 13 13-0028	EA Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250) .....	196.89 24.51
10 28 13 13-0029	EA Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760) .....	72.14 24.51
10 28 13 13-0030	EA Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784) .....	85.15 24.51
10 28 13 13-0031	<b>Cast Aluminum Toilet Tissue Dispensers</b> <small>(10 28 13 13-0025)</small>	
10 28 13 13-0032	EA Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730) .....	75.31 24.51
10 28 13 13-0033	EA Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273) .....	75.87 24.51
10 28 13 13-0034	EA Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740) .....	79.83 24.51
10 28 13 13-0035	EA Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274) .....	87.18 24.51
10 28 13 13-0036	EA Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460) .....	114.31 24.51

**10 Specialties****10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13	13-0037		<b>Stainless Steel Toilet Tissue Dispensers</b> <small>(10 28 13 13-0025)</small>		
	EA		Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264).....	64.28	24.51
	EA		Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540).....	181.05	24.51
	EA		Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543).....	105.98	24.51
	EA		Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663).....	101.03	24.51
	EA		Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685).....	109.65	24.51
	EA		Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686).....	143.88	27.23
	EA		Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857).....	109.65	24.51
	EA		Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867).....	143.88	24.51
	EA		Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-66997).....	154.88	24.51
	EA		Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6999).....	241.20	24.51
	EA		Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-69997).....	241.20	24.51
	EA		Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890).....	101.21	24.51
	EA		Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272).....	118.55	24.51
	EA		Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265).....	74.73	24.51
	EA		Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888).....	127.32	24.51
	EA		Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888).....	179.21	24.51
	EA		Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288).....	187.54	24.51
	EA		Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388).....	237.46	24.51
	EA		Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892).....	219.41	24.51
	EA		Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386).....	339.50	24.51
			Note: Mounts centered through toilet partitions.		
	EA		Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840).....	146.55	24.51
	EA		Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782).....	135.49	24.51
	EA		Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796).....	109.26	24.51
	EA		Two Roll, Recessed Mount, Stainless Steel Toilet Tissue Dispenser (Gamco TTD-9).....	663.92	38.12
			<i>For Owner Furnished Material, Deduct</i>	-587.67	
10 28 13	13-0062		<b>Soap or Sanitizer Dispensers</b> <small>(10 28 13 13-0002)</small>		
	EA		20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221).....	99.62	24.51
			<i>For 34 Fluid Ounce (B-822), Add</i>	4.70	
	EA		20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216).....	108.10	24.51
			<i>For 34 Fluid Ounce (B-822), Add</i>	4.70	
	EA		24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156).....	67.39	24.51
	EA		24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155).....	73.32	24.51
	EA		40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40).....	88.56	24.51
	EA		40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42).....	91.01	24.51
	EA		40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112).....	101.31	24.51
	EA		40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112).....	128.17	24.51
	EA		45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306).....	218.51	24.51
	EA		50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063).....	348.83	24.51
	EA		800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18).....	216.05	24.51
			Note: Includes start-up kit.		
10 28 13	13-0074		<b>Sanitizer Dispensers</b> <small>(10 28 13 13-0002)</small>		
10 28 13	13-0075		<b>Manual Sanitizer Dispensers</b> <small>(10 28 13 13-0074)</small>		
	EA		1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purell 5020-01).....	77.80	24.51
	EA		1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purell 4510-00).....	79.01	24.51
	EA		1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purell 8824-06-UV).....	78.63	24.51
10 28 13	13-0079		<b>Automatic Sanitizer Dispensers</b> <small>(10 28 13 13-0074)</small>		
	EA		1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA).....	72.64	24.51
	EA		1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 6420-01 ES6).....	95.25	24.51
	EA		1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purell 6520-01 CS6).....	89.61	24.51
	EA		1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 7720-01 ES8).....	96.52	24.51
	EA		1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058).....	111.49	24.51
	EA		2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 5240-06).....	112.20	24.51
10 28 13	13-0086		<b>Automatic Floor Stand Sanitizer Dispensers</b> <small>(10 28 13 13-0074)</small>		
	EA		1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS).....	572.85	8.17
	EA		1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS-SLV).....	616.14	8.17
	EA		1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02).....	640.34	8.17
10 28 13	13-0090		<b>Facial Tissue Dispensers</b> <small>(10 28 13 13-0002)</small>		
	EA		Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397).....	114.89	24.51
	EA		Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355).....	80.76	24.51



<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>	
<b>Toilet, Bath, and Laundry Accessories</b>	<b>10 28</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 28 13 13-0093 Sanitary Toilet Seat Cover Dispensers</b> <small>(10 28 13 13-0002)</small>		
10 28 13 13-0094 EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221) .....	66.25	24.51
10 28 13 13-0095 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221) .....	88.59	24.51
10 28 13 13-0096 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221) .....	158.99	24.51
10 28 13 13-0097 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301) .....	166.78	24.51
10 28 13 13-0098 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013) .....	330.46	24.51
<b>10 28 13 13-0099 Sanitary Toilet Seat Cover/Toilet Tissue Dispensers</b> <small>(10 28 13 13-0002)</small>		
10 28 13 13-0100 EA Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479) .....	528.33	24.51
10 28 13 13-0101 EA Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745) .....	320.77	24.51
<b>10 28 13 13-0102 Sanitary Napkin/Tampon Dispensers</b> <small>(10 28 13 13-0002)</small>		
10 28 13 13-0103 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C) .....	652.60	24.51
10 28 13 13-0104 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25) .....	495.97	24.51
10 28 13 13-0105 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706) .....	661.22	24.51
10 28 13 13-0106 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25) .....	499.80	24.51
10 28 13 13-0107 EA Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4 ) .....	439.23	24.51
10 28 13 13-0108 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45) .....	524.94	24.51
<b>10 28 13 13-0109 Toilet Compartment Combination Dispenser/Disposals</b> <small>(10 28 13 13-0002)</small>		
10 28 13 13-0110 EA Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094) .....	458.45	54.46
10 28 13 13-0111 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474) .....	512.34	54.46
10 28 13 13-0112 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745) .....	424.20	54.46
10 28 13 13-0113 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574) .....	598.86	54.46
10 28 13 13-0114 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347) .....	615.53	54.46
10 28 13 13-0115 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357) .....	708.55	54.46
10 28 13 13-0116 EA Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579) .....	664.06	54.46
<b>10 28 13 13-0117 Receptacles</b> <small>(10 28 13 13-0001)</small>		
<b>10 28 13 13-0118 Wall Mounted Waste Receptacles</b> <small>(10 28 13 13-0117)</small>		
10 28 13 13-0119 EA 1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3) .....	101.27	24.51
10 28 13 13-0120 EA 6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279) .....	169.16	24.51
10 28 13 13-0121 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644) .....	391.07	54.46
10 28 13 13-0122 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644) .....	582.18	54.46
10 28 13 13-0123 EA 20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275) .....	460.33	54.46
<b>10 28 13 13-0124 Floor-Standing/Counter Waste Receptacles</b> <small>(10 28 13 13-0117)</small>		
10 28 13 13-0125 EA 5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532) .....	119.83	24.51
10 28 13 13-0126 EA 5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529) .....	172.27	24.51
10 28 13 13-0127 EA 13 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2260) .....	330.40	10.89
10 28 13 13-0128 EA 13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250) .....	500.60	10.89
10 28 13 13-0129 EA 18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300) .....	468.88	10.89
10 28 13 13-0130 EA 21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280) .....	450.84	10.89
<b>10 28 13 13-0131 Combination Paper Towel Dispenser/ Waste Receptacle</b> <small>(10 28 13 13-0117)</small>		
10 28 13 13-0132 EA 2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369) .....	323.22	54.46
10 28 13 13-0133 EA 2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369) .....	521.96	54.46
10 28 13 13-0134 EA 2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944) .....	514.05	54.46
10 28 13 13-0135 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900) .....	748.84	54.46
10 28 13 13-0136 EA 12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909) .....	1,032.31	54.46
10 28 13 13-0137 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961) .....	871.96	54.46
10 28 13 13-0138 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949) .....	671.26	54.46
10 28 13 13-0139 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619) .....	1,089.64	54.46
10 28 13 13-0140 EA 16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944) .....	1,006.96	59.91
10 28 13 13-0141 EA 18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947) .....	675.62	59.91
<b>10 28 13 13-0142 Sanitary Napkin/Tampon Receptacles</b> <small>(10 28 13 13-0117)</small>		

**10 Specialties****10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0143 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270) .....	93.19	27.23
10 28 13 13-0144 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254).....	186.44	27.23
10 28 13 13-0145 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353).....	202.88	27.23
10 28 13 13-0146 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303).....	474.85	27.23
10 28 13 13-0147 EA Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354).....	251.50	27.23
10 28 13 13-0148 EA Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354).....	441.21	27.23
<b>10 28 13 13-0149 Grab Bars</b> <small>(10 28 13 13-0001)</small>		
<b>10 28 13 13-0150 1-1/4" Diameter, Stainless Steel Grab Bars</b> <small>(10 28 13 13-0149)</small>		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0151 EA 12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12) .....	93.07	21.78
For Peened Grip, Add	4.95	
10 28 13 13-0152 EA 18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18) .....	107.12	21.78
For Peened Grip, Add	6.21	
10 28 13 13-0153 EA 24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24) .....	108.53	21.78
For Peened Grip, Add	6.34	
10 28 13 13-0154 EA 30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30) .....	109.19	21.78
For Peened Grip, Add	6.40	
10 28 13 13-0155 EA 36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36) .....	109.37	21.78
For Peened Grip, Add	6.41	
10 28 13 13-0156 EA 42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42) .....	112.77	21.78
For Peened Grip, Add	6.72	
10 28 13 13-0157 EA 48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48) .....	118.13	21.78
For Peened Grip, Add	7.20	
<b>10 28 13 13-0158 1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars</b> <small>(10 28 13 13-0149)</small>		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0159 EA 24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616) .....	180.14	21.78
For Peened Grip, Add	12.29	
10 28 13 13-0160 EA 36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837) .....	183.80	21.78
For Peened Grip, Add	12.62	
<b>10 28 13 13-0161 1-1/2" Diameter, Stainless Steel Grab Bars</b> <small>(10 28 13 13-0149)</small>		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0162 EA 12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12) .....	105.94	21.78
For Peened Grip, Add	6.10	
10 28 13 13-0163 EA 18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18) .....	107.12	21.78
For Peened Grip, Add	6.21	
10 28 13 13-0164 EA 24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24) .....	109.37	21.78
For Peened Grip, Add	6.41	
10 28 13 13-0165 EA 30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30) .....	111.64	21.78
For Peened Grip, Add	6.62	
10 28 13 13-0166 EA 36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36) .....	114.46	21.78
For Peened Grip, Add	6.87	
10 28 13 13-0167 EA 42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42) .....	117.01	21.78
For Peened Grip, Add	7.10	
10 28 13 13-0168 EA 48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48) .....	123.23	21.78
For Peened Grip, Add	7.66	
<b>10 28 13 13-0169 1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars</b> <small>(10 28 13 13-0149)</small>		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0170 EA 16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861) .....	164.86	21.78
For Peened Grip, Add	10.92	
10 28 13 13-0171 EA 24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616) .....	177.03	21.78
For Peened Grip, Add	12.01	
10 28 13 13-0172 EA 36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137) .....	154.12	21.78
For Peened Grip, Add	9.95	
<b>10 28 13 13-0173 1-1/4" Diameter, Stainless Steel Swing Up Grab Bars</b> <small>(10 28 13 13-0149)</small>		
Note: Includes satin finish and mounting for swing up.		
10 28 13 13-0174 EA 29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998).....	480.29	21.78
For Peened Grip, Add	39.80	
<b>10 28 13 13-0175 Shelves</b> <small>(10 28 13 13-0001)</small>		
10 28 13 13-0176 EA 5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295) .....	121.66	24.51
10 28 13 13-0177 EA 5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295) .....	125.06	24.51
10 28 13 13-0178 EA 5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295) .....	140.61	24.51
10 28 13 13-0179 EA 5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36).....	144.52	24.51
10 28 13 13-0180 EA 6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296) .....	138.36	24.51
10 28 13 13-0181 EA 6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24).....	140.20	24.51
10 28 13 13-0182 EA 8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298) .....	149.37	24.51
10 28 13 13-0183 EA 8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298) .....	162.65	24.51
10 28 13 13-0184 EA 8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36) .....	190.73	24.51
10 28 13 13-0185 EA 5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287) .....	149.65	24.51
10 28 13 13-0186 EA 4-3/4" Width x 24" Length, Stainless Steel Toiletary Shelf (Bobrick B-683) .....	152.48	24.51
10 28 13 13-0187 EA 12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24) .....	418.01	24.51



<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>	
<b>Toilet, Bath, and Laundry Accessories</b>	<b>10 28</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0188 EA 12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30) .....	450.26	24.51
10 28 13 13-0189 EA 12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36) .....	500.01	24.51
10 28 13 13-0190 EA 12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48) .....	635.40	24.51
10 28 13 13-0191 EA 12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60) .....	882.04	24.51
10 28 13 13-0192 EA 4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412) .....	327.30	24.51
<b>10 28 13 13-0193 Changing Stations</b> <small>(10 28 13 13-0001)</small>		
10 28 13 13-0194 EA Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1) .....	453.56	32.68
10 28 13 13-0195 EA Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00) .....	480.86	32.68
10 28 13 13-0196 EA Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00) .....	396.33	32.68
10 28 13 13-0197 EA Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE) .....	1,932.90	32.68
10 28 13 13-0198 EA Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM) .....	2,261.56	32.68
10 28 13 13-0199 EA Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE) .....	1,932.90	32.68
10 28 13 13-0200 EA Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM) .....	2,261.56	32.68
<b>10 28 13 13-0201 Folding Shower Seats</b> <small>(10 28 13 13-0001)</small>		
10 28 13 13-0202 EA 33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181) .....	568.52	43.57
10 28 13 13-0203 EA 33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518) .....	746.63	43.57
10 28 13 13-0204 EA 30" Width, Wall-Mounted, Teakwood Folding Shower Seat .....	1,886.07	43.57
10 28 13 13-0205 EA 33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32) .....	3,470.95	
<b>10 28 13 13-0206 Soap/Dish Holders</b> <small>(10 28 13 13-0001)</small>		
10 28 13 13-0207 EA Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679) .....	61.25	24.51
10 28 13 13-0208 EA Surface Mounted, Stainless Steel Soap Dish (Gamco 7680) .....	63.22	24.51
10 28 13 13-0209 EA Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380) .....	112.21	24.51
10 28 13 13-0210 EA Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390) .....	122.11	24.51
<b>10 28 13 13-0211 Shower Curtains/Curtain Rods</b> <small>(10 28 13 13-0001)</small>		
10 28 13 13-0212 EA Stainless Steel Shower Curtain Hook (Bobrick B-204-1) .....	3.05	1.09
10 28 13 13-0213 EA 42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2) .....	50.34	10.89
Note: Requires 7 curtain hooks.		
10 28 13 13-0214 EA 70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3) .....	52.75	10.89
Note: Requires 12 curtain hooks.		
10 28 13 13-0215 EA 36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207) .....	88.87	24.51
10 28 13 13-0216 EA 48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207) .....	95.10	24.51
10 28 13 13-0217 EA 60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207) .....	102.73	24.51
10 28 13 13-0218 EA 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207) .....	112.06	24.51
10 28 13 13-0219 EA 36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36) .....	78.13	24.51
10 28 13 13-0220 EA 48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48) .....	85.48	24.51
10 28 13 13-0221 EA 60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60) .....	89.72	24.51
10 28 13 13-0222 EA 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72) .....	95.10	24.51
10 28 13 13-0223 EA 36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047) .....	81.24	24.51
10 28 13 13-0224 EA 48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047) .....	87.46	24.51
10 28 13 13-0225 EA 60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047) .....	94.80	24.51
10 28 13 13-0226 EA 72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047) .....	99.90	24.51
<b>10 28 13 13-0227 Hand Dryers</b> <small>(10 28 13 13-0001)</small>		
10 28 13 13-0228 EA Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710) .....	514.26	26.13
10 28 13 13-0229 EA Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V) .....	555.80	26.13
10 28 13 13-0230 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V) .....	618.57	26.13
10 28 13 13-0231 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230) .....	886.52	26.13
10 28 13 13-0232 EA Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A) .....	1,294.44	26.13
10 28 13 13-0233 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A) .....	1,461.71	26.13
10 28 13 13-0234 EA Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60) .....	2,083.77	26.13
10 28 13 13-0235 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T) .....	2,170.19	26.13
10 28 13 13-0236 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR) .....	2,262.37	26.13
10 28 13 13-0237 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR) .....	1,683.67	26.13
10 28 13 13-0238 EA Surface Mounted, Automatic Sensor, 22 Gauge Steel Cover Hand Dryer (Bobrick B-7120) .....	459.17	26.13
10 28 13 13-0239 EA Surface Mounted, Automatic Sensor, 18 Gauge Stainless Steel Cover Hand Dryer (Bobrick B-7128-115V) .....	530.19	26.13
10 28 13 13-0240 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer RA) .....	1,237.17	26.13
10 28 13 13-0241 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer XRA) .....	1,329.38	26.13
10 28 13 13-0242 EA Recessed Mounted, Automatic Sensor, Stainless Steel Cover Hand/Hair Dryer (World Dryer DXRA) .....	1,572.21	26.13
10 28 13 13-0243 EA Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12) .....	1,608.40	26.13
10 28 13 13-0244 EA Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14) .....	2,718.01	26.13
10 28 13 13-0245 EA Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9) .....	1,185.53	26.13
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0246 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M) .....	1,252.66	26.13
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		

**10 Specialties****10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0247 EA Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG) ..... Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,291.02	26.13
10 28 13 13-0248 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C) ..... Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,329.38	26.13
10 28 13 13-0249 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS) ..... Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,406.10	26.13
10 28 13 13-0250 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9) ..... Note: Electronically adjustable sound and speed.	955.37	26.13
10 28 13 13-0251 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M) ..... Note: Electronically adjustable sound and speed.	1,022.50	26.13
10 28 13 13-0252 EA Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG) ..... Note: Electronically adjustable sound and speed.	1,060.86	26.13
10 28 13 13-0253 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C) ..... Note: Electronically adjustable sound and speed.	1,099.22	26.13
10 28 13 13-0254 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS) ..... Note: Electronically adjustable sound and speed.	1,175.94	26.13
10 28 13 13-0255 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7) ..... Note: Electronically adjustable sound and speed.	955.37	26.13
10 28 13 13-0256 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M) ..... Note: Electronically adjustable sound and speed.	1,022.50	26.13
10 28 13 13-0257 EA Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG) ..... Note: Electronically adjustable sound and speed.	1,060.86	26.13
10 28 13 13-0258 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C) ..... Note: Electronically adjustable sound and speed.	1,099.22	26.13
10 28 13 13-0259 EA Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS) ..... Note: Electronically adjustable sound and speed.	1,175.94	26.13
10 28 13 13-0260 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90) ..... Note: Electronically adjustable sound and speed.	686.85	26.13
10 28 13 13-0261 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M) ..... Note: Electronically adjustable sound and speed.	753.98	26.13
10 28 13 13-0262 EA Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG) ..... Note: Electronically adjustable sound and speed.	792.34	26.13
10 28 13 13-0263 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C) ..... Note: Electronically adjustable sound and speed.	830.70	26.13
10 28 13 13-0264 EA Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS) ..... Note: Electronically adjustable sound and speed.	907.42	26.13
10 28 13 13-0265 EA Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H) ..... Note: Electronically adjustable sound and speed.	686.85	26.13
10 28 13 13-0266 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH) ..... Note: Electronically adjustable sound and speed.	753.98	26.13
10 28 13 13-0267 EA Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH) ..... Note: Electronically adjustable sound and speed.	792.34	26.13
10 28 13 13-0268 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH) ..... Note: Electronically adjustable sound and speed.	830.70	26.13
10 28 13 13-0269 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH) ..... Note: Electronically adjustable sound and speed.	907.42	26.13
10 28 13 13-0270 EA Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1) ..... Note: Electronically adjustable sound and speed.	495.05	26.13
10 28 13 13-0271 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M) ..... Note: Electronically adjustable sound and speed.	562.18	26.13
10 28 13 13-0272 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C) ..... Note: Electronically adjustable sound and speed.	638.90	26.13
<b>10 28 13 13-0273 Hand Dryers (Excel XLERATOR®) (10 28 13 13-0001)</b> Note: With or without noise reduction nozzle options.		
10 28 13 13-0274 EA Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W) ..... For ADA-Compliant Recess Kit, Add	982.22 165.19	26.13
10 28 13 13-0275 EA Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH) ..... For ADA-Compliant Recess Kit, Add	1,389.16 165.19	26.13
10 28 13 13-0276 EA Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR) ..... For ADA-Compliant Recess Kit, Add	1,155.02 165.19	26.13
10 28 13 13-0277 EA Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH) ..... For ADA-Compliant Recess Kit, Add	1,447.70 165.19	26.13
10 28 13 13-0278 EA Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C) ..... For ADA-Compliant Recess Kit, Add	1,242.82 165.19	26.13
10 28 13 13-0279 EA Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH) ..... For ADA-Compliant Recess Kit, Add	1,535.50 165.19	26.13



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
Toilet, Bath, and Laundry Accessories	10 28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0280 EA Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB).....	1,242.82	26.13
For ADA-Compliant Recess Kit, Add	165.19	
10 28 13 13-0281 EA Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH) .....	1,535.50	26.13
For ADA-Compliant Recess Kit, Add	165.19	
10 28 13 13-0282 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP).....	1,155.02	26.13
For ADA-Compliant Recess Kit, Add	165.19	
10 28 13 13-0283 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH) .....	1,447.70	26.13
For ADA-Compliant Recess Kit, Add	165.19	
10 28 13 13-0284 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW) .....	1,037.95	26.13
For ADA-Compliant Recess Kit, Add	165.19	
10 28 13 13-0285 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-BWH).....	1,330.63	26.13
For ADA-Compliant Recess Kit, Add	165.19	
10 28 13 13-0286 EA Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-W-ECO).....	982.22	26.13
For ADA-Compliant Recess Kit, Add	165.19	
10 28 13 13-0287 EA Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-WH-ECO).....	1,389.16	26.13
For ADA-Compliant Recess Kit, Add	165.19	
10 28 13 13-0288 EA Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-GR-ECO).....	1,155.02	26.13
For ADA-Compliant Recess Kit, Add	165.19	
10 28 13 13-0289 EA Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-GRH-ECO).....	1,447.70	26.13
For ADA-Compliant Recess Kit, Add	165.19	
10 28 13 13-0290 EA Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-C-ECO) .....	1,242.82	26.13
For ADA-Compliant Recess Kit, Add	165.19	
10 28 13 13-0291 EA Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-CH-ECO).....	1,535.50	26.13
For ADA-Compliant Recess Kit, Add	165.19	
10 28 13 13-0292 EA Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-SB-ECO) .....	1,242.82	26.13
For ADA-Compliant Recess Kit, Add	165.19	
10 28 13 13-0293 EA Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-SBH-ECO).....	1,535.50	26.13
For ADA-Compliant Recess Kit, Add	165.19	
10 28 13 13-0294 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-SP-ECO) .....	1,155.02	26.13
For ADA-Compliant Recess Kit, Add	165.19	
10 28 13 13-0295 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-SPH-ECO) .....	1,447.70	26.13
For ADA-Compliant Recess Kit, Add	165.19	
10 28 13 13-0296 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATORReco® XL-BW-ECO) .....	1,037.95	26.13
For ADA-Compliant Recess Kit, Add	165.19	
10 28 13 13-0297 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-BWH-ECO).....	1,330.63	26.13
For ADA-Compliant Recess Kit, Add	165.19	
<b>10 28 13 13-0298 Additional Accessories</b> (10 28 13 13-0001)		
<b>10 28 13 13-0299 Hooks</b> (10 28 13 13-0298)		
10 28 13 13-0300 EA Stainless Steel Clothes Hook And Bumper (Bobrick B-212).....	31.11	10.89
10 28 13 13-0301 EA Single Stainless Steel Robe Hook (Bobrick B-233) .....	37.33	10.89
10 28 13 13-0302 EA Single Stainless Steel Robe Hook (Bobrick B-7671) .....	31.67	10.89
10 28 13 13-0303 EA Double Stainless Steel Robe Hook (Bobrick B-7672) .....	34.45	10.89
10 28 13 13-0304 EA Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727) .....	57.68	10.89
10 28 13 13-0305 EA Single Stainless Steel Robe Hook (Bobrick B-6717) .....	52.02	10.89
<b>10 28 13 13-0306 Clotheslines</b> (10 28 13 13-0298)		
10 28 13 13-0307 EA Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636).....	54.38	21.78
<b>10 28 13 13-0308 Towel Bars</b> (10 28 13 13-0298)		
10 28 13 13-0309 EA 18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18) .....	66.95	24.51
10 28 13 13-0310 EA 24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24) .....	67.17	24.51
10 28 13 13-0311 EA 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18) .....	75.46	24.51
10 28 13 13-0312 EA 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24) .....	76.25	24.51
10 28 13 13-0313 EA 18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673) .....	112.62	24.51
10 28 13 13-0314 EA 24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673) .....	117.42	24.51
10 28 13 13-0315 EA 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674) .....	116.30	24.51
10 28 13 13-0316 EA 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674) .....	120.25	24.51
10 28 13 13-0317 EA 18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	127.33	24.51
10 28 13 13-0318 EA 24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	131.53	24.51
10 28 13 13-0319 EA 18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	96.51	24.51
10 28 13 13-0320 EA 24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	100.18	24.51

**10 Specialties****10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 28 13 13-0321 Towel Bar With Shelf</b> <small>(10 28 13 13-0298)</small>		
10 28 13 13-0322 EA 24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676) .....	220.05	24.51
<b>10 28 13 13-0323 Towel Pins</b> <small>(10 28 13 13-0298)</small>		
10 28 13 13-0324 EA Stainless Steel Towel Pin (Bobrick B-677) .....	55.71	10.89
<b>10 28 13 13-0325 Drinking Fountain Grab Bars</b> <small>(10 28 13 13)</small>		
<b>10 28 13 13-0326 1-1/4" Diameter, Stainless Steel Drinking Fountain Grab Bars</b> <small>(10 28 13 13-0325)</small>		
Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.		
10 28 13 13-0327 EA 1-1/4" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars .....	395.29	71.89
10 28 13 13-0328 EA 1-1/4" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars .....	428.57	71.89
10 28 13 13-0329 EA 1-1/4" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars .....	490.14	71.89
10 28 13 13-0330 EA 1-1/4" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars .....	579.99	71.89
<b>10 28 13 13-0331 1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bars</b> <small>(10 28 13 13-0325)</small>		
Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.		
10 28 13 13-0332 EA 1-1/2" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars .....	410.27	71.89
10 28 13 13-0333 EA 1-1/2" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars .....	443.55	71.89
10 28 13 13-0334 EA 1-1/2" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars .....	508.44	71.89
10 28 13 13-0335 EA 1-1/2" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars .....	596.63	71.89
<b>10 28 13 13-0336 1-1/2" Diameter, Steel Drinking Fountain Grab Bars</b> <small>(10 28 13 13-0325)</small>		
Note: Includes three wall and one floor concealed mounting with snap flange.		
10 28 13 13-0337 EA 1-1/2" Diameter, Steel Drinking Fountain Grab Bars, 42" High .....	339.74	71.89
<b>10 28 13 13-0338 Mirrors</b> <small>(10 28 13 13)</small>		
<b>10 28 13 13-0339 Stainless Steel Channel Frame Glass Mirrors</b> <small>(10 28 13 13-0338)</small>		
10 28 13 13-0340 EA 16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24) .....	110.90	27.23
10 28 13 13-0341 EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824) .....	125.18	27.23
10 28 13 13-0342 EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830) .....	130.12	27.23
<i>For Tempered Glass (B-1658), Add</i>		
	41.52	
10 28 13 13-0343 EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836) .....	140.26	27.23
<i>For Tempered Glass (B-1658), Add</i>		
	48.62	
10 28 13 13-0344 EA 24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430) .....	153.27	27.23
10 28 13 13-0345 EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436) .....	158.74	27.23
<i>For Tempered Glass (B-1658), Add</i>		
	61.56	
10 28 13 13-0346 EA 24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448) .....	194.64	27.23
10 28 13 13-0347 EA 24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460) .....	224.04	27.23
10 28 13 13-0348 EA 36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36) .....	268.98	27.23
10 28 13 13-0349 EA 48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836) .....	337.22	27.23
10 28 13 13-0350 EA 60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36) .....	378.68	27.23
<b>10 28 13 13-0351 Stainless Steel Channel Frame Glass Mirror/Shelf Combination</b> <small>(10 28 13 13-0338)</small>		
10 28 13 13-0352 EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824) .....	201.40	27.23
10 28 13 13-0353 EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830) .....	216.75	27.23
10 28 13 13-0354 EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836) .....	226.90	27.23
10 28 13 13-0355 EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436) .....	255.52	27.23
<b>10 28 13 13-0356 Stainless Steel Angle Frame Glass Mirrors</b> <small>(10 28 13 13-0338)</small>		
10 28 13 13-0357 EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824) .....	179.78	27.23
10 28 13 13-0358 EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830) .....	196.72	27.23
<i>For Tempered Glass (B-2908), Add</i>		
	83.11	
10 28 13 13-0359 EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836) .....	202.44	27.23
<i>For Tempered Glass (B-2908), Add</i>		
	86.88	
10 28 13 13-0360 EA 24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430) .....	236.27	27.23
10 28 13 13-0361 EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436) .....	237.57	27.23
<i>For Tempered Glass (B-2908), Add</i>		
	110.07	
10 28 13 13-0362 EA 24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448) .....	315.88	27.23
10 28 13 13-0363 EA 24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460) .....	370.51	27.23
10 28 13 13-0364 EA 24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472) .....	421.51	27.23
10 28 13 13-0365 EA 36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36) .....	282.63	27.23
10 28 13 13-0366 EA 48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36) .....	343.43	27.23
10 28 13 13-0367 EA 72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36) .....	523.26	27.23





<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
Toilet, Bath, and Laundry Accessories	10 28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 28 13 13-0368</b> <b>Stainless Steel Angle Frame Glass Mirror/Shelf Combination</b> <small>(10 28 13 13-0338)</small>		
10 28 13 13-0369 EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24).....	185.71	27.23
10 28 13 13-0370 EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830).....	361.41	27.23
10 28 13 13-0371 EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836).....	378.59	27.23
10 28 13 13-0372 EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436).....	421.51	27.23
<b>10 28 13 13-0373</b> <b>Frameless Stainless Steel Mirrors</b> <small>(10 28 13 13-0338)</small>		
10 28 13 13-0374 EA 17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830).....	200.89	27.23
10 28 13 13-0375 EA 23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436).....	258.37	27.23
<b>10 28 13 13-0376</b> <b>Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors</b> <small>(10 28 13 13-0338)</small>		
10 28 13 13-0377 EA 16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630).....	271.39	27.23
10 28 13 13-0378 EA 18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830).....	282.58	27.23
10 28 13 13-0379 EA 18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836).....	341.12	27.23
10 28 13 13-0380 EA 24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436).....	418.39	27.23
<b>10 28 13 13-0381</b> <b>Medicine Cabinets</b> <small>(10 28 13 13)</small>		
<b>10 28 13 13-0382</b> <b>Metal Medicine Cabinets</b> <small>(10 28 13 13-0381)</small>		
10 28 13 13-0383 EA 20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB) .....	748.86	54.46
10 28 13 13-0384 EA 15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397).....	251.84	54.46
Note: Includes three adjustable plastic shelves.		
10 28 13 13-0385 EA 14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297) .....	259.89	54.46
Note: Includes two fixed shelves with baked white enamel finish.		
10 28 13 13-0386 EA 15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398) .....	566.63	54.46
Note: Includes four adjustable stainless steel shelves.		
10 28 13 13-0387 EA 17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299).....	777.25	54.46
Note: Includes four adjustable shelves.		
<b>10 28 13 13-0388</b> <b>Janitorial Material</b> <small>(10 28 13 13)</small>		
10 28 13 13-0389 EA Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670).....	52.02	10.89
10 28 13 13-0390 EA 24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24).....	135.52	24.51
10 28 13 13-0391 EA 24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24).....	130.44	24.51
10 28 13 13-0392 EA 30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1) .....	148.34	24.51
10 28 13 13-0393 EA 36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36).....	166.05	24.51
10 28 13 13-0394 EA 36" Length, Utility Hook Strip (Gamco HCS-2) .....	110.56	24.51
10 28 13 13-0395 EA 36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36) .....	309.10	24.51
10 28 13 13-0396 EA 34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34) .....	445.66	24.51
<b>10 28 13 13-0397</b> <b>Removal And Reinstallation Of Bathroom Accessories</b> <small>(10 28 13 13)</small>		
10 28 13 13-0398 EA Removal And Reinstallation Of Bathroom Accessory.....	34.04	
<b>10 28 13 19</b> <b>Healthcare Toilet Accessories</b> <small>(10 28 13)</small>		
<b>10 28 13 19-0001</b> <b>Healthcare Toilet Accessories</b> <small>(10 28 13 19)</small>		
10 28 13 19-0002 EA Surface Mounted, Stainless Steel Bedpan/Urinal Holder (Bradley BR-9905).....	191.48	34.10
10 28 13 19-0003 EA Recessed Mounted, Stainless Steel Bedpan Storage Cabinet (Bradley BR-990).....	715.36	34.10
10 28 13 19-0004 EA Stainless Steel Foot Operated Soap Dispenser (Bradley BR-6843).....	229.73	90.73
<b>10 28 16</b> <b>Bath Accessories</b> <small>(10 28)</small>		
<b>10 28 16 13</b> <b>Residential Bath Accessories</b> <small>(10 28 16)</small>		
<b>10 28 16 13-0001</b> <b>Residential Toilet Accessories</b> <small>(10 28 16 13)</small>		
<b>10 28 16 13-0002</b> <b>Residential Shower Curtain Rod</b> <small>(10 28 16 13-0001)</small>		
Note: Includes end brackets. See CSI section 10 28 13 13-0211 for shower curtain rods.		
<b>10 28 16 13-0003</b> <b>Residential, Recessed, Chrome Plated Toilet Accessories</b> <small>(10 28 16 13-0001)</small>		
10 28 16 13-0004 EA Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder .....	118.41	24.51
10 28 16 13-0005 EA Recessed Mounted, Chrome Plated Soap Dish.....	175.08	24.51
10 28 16 13-0006 EA Recessed Mounted, Chrome Plated Soap Dish And Bar.....	186.60	24.51
10 28 16 13-0007 EA Recessed Mounted, Chrome Plated Tumbler Holder .....	123.29	24.51
<b>10 28 16 13-0008</b> <b>Residential, Surface Mounted, Chrome Plated Toilet Accessories</b> <small>(10 28 16 13-0001)</small>		
10 28 16 13-0009 EA Surface Mounted, Chrome Plated Soap Dish .....	78.71	16.34
10 28 16 13-0010 EA Surface Mounted, Chrome Plated Single Clothes Hook .....	91.56	16.34
10 28 16 13-0011 EA Surface Mounted, Chrome Plated Double Clothes Hook.....	91.56	16.34
10 28 16 13-0012 LF 6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports .....	191.73	16.34
10 28 16 13-0013 LF 6" Deep, Surface Mounted, Stainless Steel Shelf .....	159.40	16.34
10 28 16 13-0014 EA 18" Length, Surface Mounted, Chrome Plated Towel Bar .....	101.13	21.78

**10 Specialties****10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 16 13-0015 EA 24" Length, Surface Mounted, Chrome Plated Towel Bar.....	102.57	21.78
10 28 16 13-0016 EA Surface Mounted, Chrome Plated Towel Ring.....	75.55	16.34
10 28 16 13-0017 EA Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder.....	67.81	10.89
10 28 16 13-0018 EA Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder.....	78.71	16.34
10 28 16 13-0019 EA Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder.....	164.85	16.34
10 28 16 13-0020 EA Surface Mounted, Chrome Plated Globe Soap Dispenser.....	96.00	16.34
10 28 16 13-0021 EA Surface Mounted, Chrome Plated Towel Pin.....	101.82	10.89
10 28 16 13-0022 EA Surface Mounted, Chrome Plated Towel Ladder And Shelf.....	319.43	16.34
10 28 16 13-0023 EA Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline.....	153.09	16.34
10 28 16 13-0024 EA 24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar.....	82.45	16.34
<b>10 28 16 13-0025 Residential Medicine Cabinets, Solid Oak (10 28 16 13-0001)</b>		
Note: Surface or recessed mounted, premium quality.		
10 28 16 13-0026 EA 24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror.....	717.59	54.46
10 28 16 13-0027 EA 24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror.....	866.98	54.46
10 28 16 13-0028 EA 30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror.....	765.10	54.46
10 28 16 13-0029 EA 30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror.....	931.79	54.46
10 28 16 13-0030 EA 36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror.....	795.07	54.46
10 28 16 13-0031 EA 36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror.....	988.73	54.46
10 28 16 13-0032 EA 48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror.....	836.21	54.46
10 28 16 13-0033 EA 48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror.....	1,058.31	54.46
<b>10 28 16 13-0034 Residential Toilet Accessories (10 28 16 13-0001)</b>		
10 28 16 13-0035 EA Surface Mounted Plastic Paper Towel Dispenser.....	103.78	24.51
10 28 16 13-0036 EA Surface Mounted Plastic Napkin Disposal.....	91.69	24.51
10 28 16 13-0037 EA 50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent.....	95.96	
10 28 16 13-0038 EA 50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps.....	108.76	24.51
10 28 16 13-0039 EA Multi Roll (2) Plastic Toilet Tissue Dispenser.....	103.82	24.51
10 28 16 13-0040 EA Single Jumbo Roll Plastic Toilet Tissue Dispenser.....	127.20	29.96
10 28 16 13-0041 EA Surface Mounted Plastic Toilet Seat Cover Dispenser.....	70.63	21.78
10 28 16 13-0042 EA 13 Gallon Plastic Waste Door For Countertops.....	245.29	40.85
<b>10 28 19 Tub and Shower Enclosures (10 28)</b>		
<b>10 28 19 16 Shower Doors (10 28 19)</b>		
<b>10 28 19 16-0001 Swinging Shower Doors (10 28 19 16)</b>		
<b>10 28 19 16-0002 Framed, Swinging Shower Doors (10 28 19 16-0001)</b>		
10 28 19 16-0003 EA 24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801).....	473.66	53.02
10 28 19 16-0004 EA 27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802).....	497.75	26.51
10 28 19 16-0005 EA 29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803).....	597.65	26.51
10 28 19 16-0006 EA 33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804).....	495.18	26.51
10 28 19 16-0007 EA 35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805).....	529.30	26.51
<b>10 28 19 16-0008 Frameless, Swinging Shower Doors (10 28 19 16-0001)</b>		
10 28 19 16-0009 EA 24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D).....	730.63	26.51
10 28 19 16-0010 EA 31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D).....	764.02	26.51
10 28 19 16-0011 EA 32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D).....	795.45	26.51
10 28 19 16-0012 EA 34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D).....	828.84	26.51
10 28 19 16-0013 EA 35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D).....	861.25	26.51
<b>10 28 19 16-0014 Sliding Shower Doors (10 28 19 16)</b>		
<b>10 28 19 16-0015 Framed, Sliding Shower Doors (10 28 19 16-0014)</b>		
10 28 19 16-0016 EA 40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735).....	796.98	26.51
10 28 19 16-0017 EA 44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745).....	729.40	26.51
10 28 19 16-0018 EA 46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775).....	747.61	26.51
10 28 19 16-0019 EA 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729).....	766.96	26.51
10 28 19 16-0020 EA 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794).....	777.76	26.51
10 28 19 16-0021 EA 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795).....	793.75	26.51



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
Toilet, Bath, and Laundry Accessories	10 28

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 28 19 16-0022</b> Frameless, Sliding Shower Doors <small>(10 28 19 16-0014)</small>			
10 28 19 16-0023	EA 40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335).....	826.57	26.51
10 28 19 16-0024	EA 44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345).....	1,010.39	26.51
10 28 19 16-0025	EA 56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394).....	1,072.26	26.51
10 28 19 16-0026	EA 40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330).....	967.31	26.51
10 28 19 16-0027	EA 44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370).....	980.85	26.51
10 28 19 16-0028	EA 56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390).....	1,106.76	26.51

**10 28 19 19** Tub Doors (10 28 19)

<b>10 28 19 19-0001</b> Sliding Bathtub Doors <small>(10 28 19 19)</small>			
<b>10 28 19 19-0002</b> Framed, Sliding Bathtub Doors <small>(10 28 19 19-0001)</small>			
10 28 19 19-0003	EA 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725).....	709.09	26.51
10 28 19 19-0004	EA 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749).....	716.87	26.51
10 28 19 19-0005	EA 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750).....	734.48	26.51

**10 40** Safety Specialties (10)

**10 41** Emergency Access And Information Cabinets (10 40)

**10 41 13** Fire Department Plan Cabinets (10 41)

**10 41 13 00-0001** Fire Department Plan Cabinets (Knox) (10 41 13)

10 41 13 00-0002	EA 18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,580.82	35.40
	<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
	<i>For Dual Locks, Add</i>	60.00	
	<i>For Back Key Hook Panel, Add</i>	59.06	
	<i>For Swing Key Hook Panel, Add</i>	158.06	
	<i>For Non-Locking Weather Housing, Add</i>	397.17	
10 41 13 00-0003	EA 18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,676.46	35.40
	<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
	<i>For Dual Locks, Add</i>	60.00	
	<i>For Back Key Hook Panel, Add</i>	59.06	
	<i>For Swing Key Hook Panel, Add</i>	158.06	
	<i>For Second Swing Key Hook Panel, Add</i>	125.06	
	<i>For Non-Locking Weather Housing, Add</i>	397.17	

**10 41 16** Emergency Key Cabinets (10 41)

**10 41 16 00-0001** Emergency Key Cabinets (Knox) (10 41 16)

10 41 16 00-0002	EA Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403).....	787.02	35.40
	<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
10 41 16 00-0003	EA 5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200).....	691.38	35.40
	<i>For Lift-Off Door, Deduct</i>	-40.00	
	<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
	<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
	<i>For Recess Mount, Add</i>	60.29	
	<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	119.00	
10 41 16 00-0004	EA 6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100).....	925.70	35.40
	<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
	<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
	<i>For Recess Mount, Add</i>	60.29	
	<i>For Dual Locks, Add</i>	60.00	
	<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	130.00	
10 41 16 00-0005	EA 7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400).....	985.47	35.40
	<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
	<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
	<i>For Recess Mount, Add</i>	60.29	
	<i>For Dual Locks, Add</i>	60.00	
	<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	135.00	

**10 44** Fire Protection Specialties (10 40)

**10 Specialties****10 40 Safety Specialties****10 44 Fire Protection Specialties**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**10 44 13 Fire Protection Cabinets (10 44)**

10 44 13 00-0001	EA	Fire Extinguisher Cabinets (10 44 13)		
10 44 13 00-0002	EA	Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)		
10 44 13 00-0003	EA	Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	364.58	44.66
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	371.13	44.66
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	372.43	44.66
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	412.99	44.66
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	518.96	44.66
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	533.36	44.66
10 44 13 00-0010	EA	Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	359.85	44.66
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	365.48	44.66
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	374.88	44.66
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	390.84	44.66
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	440.20	44.66
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	455.23	44.66
10 44 13 00-0017	EA	Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	474.94	44.66
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	486.28	44.66
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	491.95	44.66
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	530.70	44.66
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	608.71	44.66
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	632.33	44.66
10 44 13 00-0024	EA	Bronze Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0025	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	959.55	44.66
10 44 13 00-0026	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	965.98	44.66
10 44 13 00-0027	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,097.09	44.66
10 44 13 00-0028	EA	Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0029	EA	10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	449.62	44.66
10 44 13 00-0030	EA	14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	499.34	44.66
10 44 13 00-0031	EA	Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)		
10 44 13 00-0032	EA	Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0033	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	399.91	44.66
10 44 13 00-0034	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	412.99	44.66
10 44 13 00-0035	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	414.30	44.66
10 44 13 00-0036	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	458.78	44.66
10 44 13 00-0037	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	547.75	44.66
10 44 13 00-0038	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	562.14	44.66
10 44 13 00-0039	EA	Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0040	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	401.69	44.66
10 44 13 00-0041	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	415.78	44.66
10 44 13 00-0042	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	424.23	44.66
10 44 13 00-0043	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	440.20	44.66
10 44 13 00-0044	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	495.62	44.66
10 44 13 00-0045	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	508.77	44.66
10 44 13 00-0046	EA	Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	524.60	44.66
10 44 13 00-0048	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	537.83	44.66
10 44 13 00-0049	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	543.50	44.66
10 44 13 00-0050	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	572.80	44.66
10 44 13 00-0051	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	645.56	44.66
10 44 13 00-0052	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	661.63	44.66



<b>Specialties</b>	<b>10</b>	<b>10</b>
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 44 13 00-0053</b> <b>Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0031)</small>		
<i>Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.</i>		
10 44 13 00-0054 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet .....	1,188.35	44.66
10 44 13 00-0055 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,193.75	44.66
10 44 13 00-0056 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,356.59	44.66
<b>10 44 13 00-0057</b> <b>Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0031)</small>		
<i>Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.</i>		
10 44 13 00-0058 EA 10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door .....	496.72	44.66
10 44 13 00-0059 EA 14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door .....	543.82	44.66
<b>10 44 13 00-0060</b> <b>Surface Mounted Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0001)</small>		
<b>10 44 13 00-0061</b> <b>Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0060)</small>		
<i>Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.</i>		
10 44 13 00-0062 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	389.44	44.66
10 44 13 00-0063 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	397.29	44.66
10 44 13 00-0064 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	460.09	44.66
10 44 13 00-0065 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	537.28	44.66
10 44 13 00-0066 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	558.21	44.66
<b>10 44 13 00-0067</b> <b>Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0060)</small>		
<i>Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.</i>		
10 44 13 00-0068 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	490.92	44.66
10 44 13 00-0069 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	503.13	44.66
10 44 13 00-0070 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	530.37	44.66
10 44 13 00-0071 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	583.91	44.66
10 44 13 00-0072 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	606.45	44.66
<b>10 44 13 00-0073</b> <b>Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0060)</small>		
<i>Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.</i>		
10 44 13 00-0074 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	606.82	44.66
10 44 13 00-0075 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	624.77	44.66
10 44 13 00-0076 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	669.19	44.66
10 44 13 00-0077 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	755.18	44.66
10 44 13 00-0078 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	781.64	44.66
<b>10 44 13 00-0079</b> <b>Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0060)</small>		
<i>Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.</i>		
10 44 13 00-0080 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,351.51	44.66
10 44 13 00-0081 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,513.11	44.66
<b>10 44 13 00-0082</b> <b>Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0060)</small>		
<i>Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.</i>		
10 44 13 00-0083 EA 13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	467.94	44.66
10 44 13 00-0084 EA 17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	525.51	44.66
10 44 13 00-0085 EA 31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	726.99	44.66
<b>10 44 13 00-0086</b> <b>Fire Extinguisher Cabinet Accessories</b> <small>(10 44 13 00-0001)</small>		
10 44 13 00-0087 EA Standard Break Glass Cylinder Lock Mechanism .....	37.28	13.62
10 44 13 00-0088 EA Breaker Bar And Chain For Break Glass Cabinets.....	33.76	13.62
10 44 13 00-0089 EA Replacement Of Standard Pull Handle.....	31.62	
10 44 13 00-0090 EA Fire Extinguisher Cabinet Battery Operated Alarm.....	99.66	27.23
10 44 13 00-0091 EA Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets .....	213.94	
10 44 13 00-0092 EA Fire Rated Option For 12" x 27" x 7-3/4" Cabinets.....	235.33	
10 44 13 00-0093 EA Fire Rated Option For 16" x 32" x 7-3/4" Cabinets.....	320.91	
10 44 13 00-0094 EA Fire Rated Option For 20" x 27" x 7-3/4" Cabinets.....	438.58	
10 44 13 00-0095 EA Fire Rated Option For 9" x 18" x 5-1/2" Cabinets.....	513.46	
10 44 13 00-0096 EA Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets.....	124.09	
10 44 13 00-0097 EA Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets .....	128.36	
10 44 13 00-0098 EA Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets.....	171.15	
10 44 13 00-0099 EA Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets.....	310.21	
10 44 13 00-0100 EA Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets.....	314.49	
10 44 13 00-0101 EA Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets .....	109.79	
10 44 13 00-0102 EA Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets .....	115.28	
10 44 13 00-0103 EA Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets .....	155.53	

**10 Specialties****10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 44 13 00-0104	EA	Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets .....	274.47	
10 44 13 00-0105	EA	Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets .....	278.13	
<b>10 44 13 00-0106</b>		<b>Fire Hose Cabinets</b> <small>(10 44 13)</small>		
		Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
<b>10 44 13 00-0107</b>		<b>Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0106)</small>		
<b>10 44 13 00-0108</b>		<b>Steel Door And Trim, Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0107)</small>		
		Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109	EA	34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	536.61	129.54
		<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0110	EA	34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	545.96	129.54
		<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0111	EA	38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	553.77	129.54
		<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0112	EA	38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	561.57	129.54
		<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0113	EA	30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	570.92	129.54
		<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0114	EA	38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	595.86	129.54
		<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0115	EA	23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	603.66	129.54
		<i>For Solid Steel Door, Deduct</i>	-8.60	
<b>10 44 13 00-0116</b>		<b>Aluminum Door And Trim, Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0107)</small>		
		Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117	EA	34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	586.99	129.54
		<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0118	EA	30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	602.40	129.54
		<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0119	EA	34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	604.40	129.54
		<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0120	EA	38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	610.81	129.54
		<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0121	EA	38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	619.22	129.54
		<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0122	EA	38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	643.04	129.54
		<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0123	EA	23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	666.86	129.54
		<i>For Solid Aluminum Door, Add</i>	6.50	
<b>10 44 13 00-0124</b>		<b>Stainless Steel Door And Trim, Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0107)</small>		
		Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0125	EA	23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	720.72	129.54
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0126	EA	34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	792.81	129.54
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0127	EA	34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	799.74	129.54
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0128	EA	38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	821.92	129.54
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0129	EA	38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	828.85	129.54
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0130	EA	30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	864.90	129.54
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0131	EA	38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	900.94	129.54
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
<b>10 44 13 00-0132</b>		<b>Semi Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0106)</small>		
<b>10 44 13 00-0133</b>		<b>Steel Door And Trim, Semi Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0132)</small>		
		Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0134	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet .....	561.57	129.54
		<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0135	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet .....	570.92	129.54
		<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0136	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet .....	578.71	129.54
		<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0137	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet .....	588.06	129.54
		<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0138	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet .....	595.86	129.54
		<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0139	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet .....	620.80	129.54
		<i>For Solid Steel Door, Deduct</i>	-8.60	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0140 EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet ..... <i>For Solid Steel Door, Deduct</i>	630.16 -8.60	129.54
<b>10 44 13 00-0141 Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets</b> (10 44 13 00-0132) Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0142 EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet ..... <i>For Solid Aluminum Door, Add</i>	602.40 6.50	129.54
10 44 13 00-0143 EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet ..... <i>For Solid Aluminum Door, Add</i>	619.22 6.50	129.54
10 44 13 00-0144 EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet ..... <i>For Solid Aluminum Door, Add</i>	621.62 6.50	129.54
10 44 13 00-0145 EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet ..... <i>For Solid Aluminum Door, Add</i>	626.22 6.50	129.54
10 44 13 00-0146 EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet ..... <i>For Solid Aluminum Door, Add</i>	634.63 6.50	129.54
10 44 13 00-0147 EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet ..... <i>For Solid Aluminum Door, Add</i>	658.45 6.50	129.54
10 44 13 00-0148 EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet ..... <i>For Solid Aluminum Door, Add</i>	682.28 6.50	129.54
<b>10 44 13 00-0149 Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets</b> (10 44 13 00-0132) Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0150 EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	763.70 -7.70	129.54
10 44 13 00-0151 EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	842.72 -7.70	129.54
10 44 13 00-0152 EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	849.65 -7.70	129.54
10 44 13 00-0153 EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	871.83 -7.70	129.54
10 44 13 00-0154 EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	878.76 -7.70	129.54
10 44 13 00-0155 EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	914.80 -7.70	129.54
10 44 13 00-0156 EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	950.85 -7.70	129.54
<b>10 44 13 00-0157 Surface Mount Fire Hose Cabinets</b> (10 44 13 00-0106)		
<b>10 44 13 00-0158 Steel Door And Trim, Surface Mount Fire Hose Cabinets</b> (10 44 13 00-0157) Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0159 EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	570.92 -8.60	129.54
10 44 13 00-0160 EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	578.71 -8.60	129.54
10 44 13 00-0161 EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	588.06 -8.60	129.54
10 44 13 00-0162 EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	595.86 -8.60	129.54
10 44 13 00-0163 EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	603.66 -8.60	129.54
10 44 13 00-0164 EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	630.16 -8.60	129.54
10 44 13 00-0165 EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	637.96 -8.60	129.54
<b>10 44 13 00-0166 Aluminum Door And Trim, Surface Mount Fire Hose Cabinets</b> (10 44 13 00-0157) Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0167 EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	643.04 6.50	129.54
10 44 13 00-0168 EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	658.45 6.50	129.54
10 44 13 00-0169 EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	662.46 6.50	129.54
10 44 13 00-0170 EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	666.86 6.50	129.54
10 44 13 00-0171 EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	673.87 6.50	129.54
10 44 13 00-0172 EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	699.09 6.50	129.54
10 44 13 00-0173 EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	714.51 6.50	129.54

<b>10</b>	<b>10 Specialties</b>
	<b>10 40 Safety Specialties</b>
	<b>10 44 Fire Protection Specialties</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 44 13 00-0174</b>	<b>Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets</b> <small>(10 44 13 00-0157)</small>		
	Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0175	EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	821.92	129.54
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0176	EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,052.04	129.54
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0177	EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,110.27	129.54
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0178	EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,124.13	129.54
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0179	EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,137.99	129.54
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0180	EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,196.22	129.54
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0181	EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,268.30	129.54
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	

**10 44 16 Fire Extinguishers** (10 44)

**10 44 16 13 Portable Fire Extinguishers** (10 44 16)

Note: Includes filling, certification, bracket, hardware and mounting on wall.

<b>10 44 16 13-0001</b>	<b>Carbon Dioxide Type, Class BC Portable Fire Extinguisher</b> <small>(10 44 16 13)</small>		
10 44 16 13-0002	EA 2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	146.38	14.16
	<i>For &gt;5 To 10, Deduct</i>	-3.69	
	<i>For &gt;10, Deduct</i>	-7.38	
	<i>For Placement In Cabinet, Deduct</i>	-36.31	
10 44 16 13-0003	EA 5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	205.70	16.34
	<i>For &gt;5 To 10, Deduct</i>	-6.10	
	<i>For &gt;10, Deduct</i>	-12.19	
	<i>For Placement In Cabinet, Deduct</i>	-41.90	
10 44 16 13-0004	EA 10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	267.53	20.70
	<i>For &gt;5 To 10, Deduct</i>	-7.93	
	<i>For &gt;10, Deduct</i>	-15.86	
	<i>For Placement In Cabinet, Deduct</i>	-54.46	
10 44 16 13-0005	EA 15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	330.15	26.14
	<i>For &gt;5 To 10, Deduct</i>	-9.70	
	<i>For &gt;10, Deduct</i>	-19.40	
	<i>For Placement In Cabinet, Deduct</i>	-68.08	
10 44 16 13-0006	EA 20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	361.85	26.14
	<i>For &gt;5 To 10, Deduct</i>	-11.28	
	<i>For &gt;10, Deduct</i>	-22.57	
	<i>For Placement In Cabinet, Deduct</i>	-68.08	
10 44 16 13-0007	EA 50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher.....	1,082.27	41.39
	<i>For &gt;5 To 10, Deduct</i>	-43.22	
	<i>For &gt;10, Deduct</i>	-86.44	
10 44 16 13-0008	EA 100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher.....	2,045.75	41.39
	<i>For &gt;5 To 10, Deduct</i>	-91.40	
	<i>For &gt;10, Deduct</i>	-182.79	

**10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher** (10 44 16 13)

10 44 16 13-0010	EA 2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	100.75	14.16
	<i>For &gt;5 To 10, Deduct</i>	-1.41	
	<i>For &gt;10, Deduct</i>	-2.81	
	<i>For Placement In Cabinet, Deduct</i>	-36.31	
10 44 16 13-0011	EA 5 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	123.68	16.34
	<i>For &gt;5 To 10, Deduct</i>	-1.99	
	<i>For &gt;10, Deduct</i>	-3.99	
	<i>For Placement In Cabinet, Deduct</i>	-41.90	
10 44 16 13-0012	EA 10 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	172.42	20.70
	<i>For &gt;5 To 10, Deduct</i>	-3.18	
	<i>For &gt;10, Deduct</i>	-6.35	
	<i>For Placement In Cabinet, Deduct</i>	-54.46	
10 44 16 13-0013	EA 20 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	236.10	26.14
	<i>For &gt;5 To 10, Deduct</i>	-5.00	
	<i>For &gt;10, Deduct</i>	-9.99	
	<i>For Placement In Cabinet, Deduct</i>	-68.08	
10 44 16 13-0014	EA 50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	1,281.57	41.39
	<i>For &gt;5 To 10, Deduct</i>	-53.19	
	<i>For &gt;10, Deduct</i>	-106.37	
10 44 16 13-0015	EA 125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	1,864.14	41.39
	<i>For &gt;5 To 10, Deduct</i>	-82.31	
	<i>For &gt;10, Deduct</i>	-164.63	
10 44 16 13-0016	EA 5 LB Dry Chemical Extinguisher, Red Steel, 2A:10B:C.....	125.16	16.34
	<i>For &gt;5 To 10, Deduct</i>	-2.07	
	<i>For &gt;10, Deduct</i>	-4.14	
10 44 16 13-0017	EA 10 LB Dry Chemical Extinguisher, Red Steel, 2A:20B:C.....	173.74	20.70
	<i>For &gt;5 To 10, Deduct</i>	-3.24	
	<i>For &gt;10, Deduct</i>	-6.48	

**10 44 16 13-0018 Dry Chemical Type, Class BC Portable Fire Extinguisher** (10 44 16 13)





<b>Specialties</b>	<b>10</b>
<b>Safety Specialties</b>	<b>10 40</b>
<b>Fire Protection Specialties</b>	<b>10 44</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0019 EA 5 LB Dry Chemical Extinguisher, Red Steel, 40B.C.....	124.57	36.31
<b>10 44 16 13-0020 Other Portable Fire Extinguishers</b> <small>(10 44 16 13)</small>		
10 44 16 13-0021 EA 2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher.....	165.60	16.34
Note: Stainless steel.		
For >5 To 10, Deduct	-4.09	
For >10, Deduct	-8.18	
For Placement In Cabinet, Deduct	-41.90	
10 44 16 13-0022 EA 1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	254.24	26.14
Note: Stainless steel.		
For >5 To 10, Deduct	-5.90	
For >10, Deduct	-11.81	
For Placement In Cabinet, Deduct	-68.08	
10 44 16 13-0023 EA 2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	267.10	26.14
Note: Stainless steel.		
For >5 To 10, Deduct	-6.55	
For >10, Deduct	-13.09	
For Placement In Cabinet, Deduct	-68.08	
10 44 16 13-0024 EA 30 LB Dry Powder, Class D Portable Fire Extinguisher.....	355.96	26.14
Note: Yellow steel.		
For >5 To 10, Deduct	-10.99	
For >10, Deduct	-21.98	
10 44 16 13-0025 EA 5 LB Halotron 1 Fire Extinguisher, 5B:C.....	259.71	36.31
For >5 To 10, Deduct	-9.35	
For >10, Deduct	-18.71	
<b>10 44 16 13-0026 Fire Extinguisher Backboards</b> <small>(10 44 16 13)</small>		
<b>10 44 16 13-0027 Fire Extinguisher Backboards</b> <small>(10 44 16 13-0026)</small>		
Note: Mounted to any wall. Includes anchors.		
10 44 16 13-0028 EA Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard.....	131.72	18.66
10 44 16 13-0029 EA Relocate Fire Extinguisher Wood Backboard, Any Size.....	164.63	
Note: Includes storage and cleaning.		
<b>10 44 16 13-0030 Inspections And Testing</b> <small>(10 44 16 13)</small>		
10 44 16 13-0031 EA On Site Fire Extinguisher Annual Inspection (Tag).....	5.90	
10 44 16 13-0032 EA On Site Fire Extinguisher Hydrotest.....	8.67	
<b>10 44 19 Fire Blankets</b> <small>(10 44)</small>		
10 44 19 00-0001 EA Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB).....	464.30	44.66
Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		
10 44 19 00-0002 EA Drop Type Fire Blanket Cabinet (JL Industries 2FB).....	340.01	44.66
Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		
<b>10 45 Photoluminescent Exit Specialties</b> <small>(10 40)</small>		
<b>10 45 00 00-0001 Photoluminescent Illuminated Egress Markings</b> <small>(10 45)</small>		
10 45 00 00-0002 LF 1" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors.....	8.14	
Note: Peel and stick.		
For Wall Applied, Add	0.79	
10 45 00 00-0003 LF 1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors.....	8.65	
Note: Peel and stick.		
For Wall Applied, Add	0.79	
10 45 00 00-0004 LF 2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors.....	9.16	
Note: Peel and stick.		
For Wall Applied, Add	0.79	
10 45 00 00-0005 LF 1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors.....	8.66	
Note: Peel and stick.		
For Wall Applied, Add	0.79	
10 45 00 00-0006 LF 2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors.....	9.67	
Note: Peel and stick.		
For Wall Applied, Add	0.79	
10 45 00 00-0007 LF 1-1/2" Wide Egress Photoluminescent Danger Warning Marking Tape With Stripes Applied To Floors.....	10.31	
Note: Peel and stick.		
For Wall Applied, Add	0.79	
10 45 00 00-0008 EA 1" Wide x 48" Long Photoluminescent Strip Exit Path Marking Applied To Floors.....	45.19	
Note: Self adhesive, high bond foam backing.		
10 45 00 00-0009 EA 1" Wide x 30" Long Aluminum Stair Nosing With Photoluminescent Strip.....	44.67	
Note: Self adhesive, high bond foam backing.		
<b>10 50 Storage Specialties</b> <small>(10)</small>		
<b>10 51 Lockers</b> <small>(10 50)</small>		
<b>10 51 13 Metal Lockers</b> <small>(10 51)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0001			<b>Institutional And Corridor Lockers</b> <small>(10 51 13)</small> Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.		
10 51 13 00-0002			<b>Single Tier Institutional Or Corridor Locker</b> <small>(10 51 13 00-0001)</small> Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0003	EA		12" x 12" x 48" Single Tier Institutional Or Corridor Locker.....	296.10	33.76
			For >25 To 50, Deduct	-11.43	
			For >50 To 100, Deduct	-23.87	
			For >100, Deduct	-36.31	
			For 14 Gauge Doors, Add	18.28	
10 51 13 00-0004	EA		12" x 15" x 48" Single Tier Institutional Or Corridor Locker.....	305.16	33.76
			For >25 To 50, Deduct	-11.88	
			For >50 To 100, Deduct	-24.78	
			For >100, Deduct	-37.67	
			For 14 Gauge Doors, Add	19.01	
10 51 13 00-0005	EA		12" x 18" x 48" Single Tier Institutional Or Corridor Locker.....	314.19	33.76
			For >25 To 50, Deduct	-12.33	
			For >50 To 100, Deduct	-25.68	
			For >100, Deduct	-39.02	
			For 14 Gauge Doors, Add	19.73	
10 51 13 00-0006	EA		12" x 12" x 60" Single Tier Institutional Or Corridor Locker.....	279.56	33.76
			For >25 To 50, Deduct	-10.60	
			For >50 To 100, Deduct	-22.22	
			For >100, Deduct	-33.83	
			For 14 Gauge Doors, Add	16.96	
10 51 13 00-0007	EA		12" x 15" x 60" Single Tier Institutional Or Corridor Locker.....	290.79	33.76
			For >25 To 50, Deduct	-11.16	
			For >50 To 100, Deduct	-23.34	
			For >100, Deduct	-35.51	
			For 14 Gauge Doors, Add	17.86	
10 51 13 00-0008	EA		12" x 18" x 60" Single Tier Institutional Or Corridor Locker.....	306.15	33.76
			For >25 To 50, Deduct	-11.93	
			For >50 To 100, Deduct	-24.87	
			For >100, Deduct	-37.82	
			For 14 Gauge Doors, Add	19.09	
10 51 13 00-0009	EA		12" x 12" x 72" Single Tier Institutional Or Corridor Locker.....	305.04	34.86
			For >25 To 50, Deduct	-11.77	
			For >50 To 100, Deduct	-24.58	
			For >100, Deduct	-37.39	
			For 14 Gauge Doors, Add	18.83	
10 51 13 00-0010	EA		12" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	314.35	34.86
			For >25 To 50, Deduct	-12.23	
			For >50 To 100, Deduct	-25.51	
			For >100, Deduct	-38.79	
			For 14 Gauge Doors, Add	19.57	
10 51 13 00-0011	EA		12" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	323.43	34.86
			For >25 To 50, Deduct	-12.69	
			For >50 To 100, Deduct	-26.42	
			For >100, Deduct	-40.15	
			For 14 Gauge Doors, Add	20.30	
10 51 13 00-0012	EA		15" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	339.11	34.86
			For >25 To 50, Deduct	-13.47	
			For >50 To 100, Deduct	-27.99	
			For >100, Deduct	-42.50	
			For 14 Gauge Doors, Add	21.55	
10 51 13 00-0013	EA		15" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	354.62	34.86
			For >25 To 50, Deduct	-14.25	
			For >50 To 100, Deduct	-29.54	
			For >100, Deduct	-44.83	
			For 14 Gauge Doors, Add	22.79	
10 51 13 00-0014	EA		18" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	371.05	34.86
			For >25 To 50, Deduct	-15.07	
			For >50 To 100, Deduct	-31.18	
			For >100, Deduct	-47.29	
			For 14 Gauge Doors, Add	24.11	
10 51 13 00-0015	EA		18" x 21" x 72" Single Tier Institutional Or Corridor Locker.....	386.22	34.86
			For >25 To 50, Deduct	-15.83	
			For >50 To 100, Deduct	-32.70	
			For >100, Deduct	-49.57	
			For 14 Gauge Doors, Add	25.32	
10 51 13 00-0016	EA		24" x 24" x 72" Single Tier Institutional Or Corridor Locker.....	524.83	34.86
			For >25 To 50, Deduct	-22.76	
			For >50 To 100, Deduct	-46.56	
			For >100, Deduct	-70.36	
			For 14 Gauge Doors, Add	36.41	
10 51 13 00-0017			<b>Two Tier Institutional Or Corridor Locker</b> <small>(10 51 13 00-0001)</small> Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0018	EA		12" x 12" x 60" Two Tier Institutional Or Corridor Locker.....	331.26	34.86
			For >25 To 50, Deduct	-13.08	
			For >50 To 100, Deduct	-27.20	
			For >100, Deduct	-41.32	
			For 14 Gauge Doors, Add	28.77	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Storage Specialties	10 50	
Lockers	10 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0019	EA		12" x 15" x 60" Two Tier Institutional Or Corridor Locker.....	338.34	34.86
			<i>For &gt;25 To 50, Deduct</i>	-13.43	
			<i>For &gt;50 To 100, Deduct</i>	-27.91	
			<i>For &gt;100, Deduct</i>	-42.39	
			<i>For 14 Gauge Doors, Add</i>	29.55	
10 51 13 00-0020	EA		12" x 18" x 60" Two Tier Institutional Or Corridor Locker.....	345.47	34.86
			<i>For &gt;25 To 50, Deduct</i>	-13.79	
			<i>For &gt;50 To 100, Deduct</i>	-28.62	
			<i>For &gt;100, Deduct</i>	-43.46	
			<i>For 14 Gauge Doors, Add</i>	30.33	
10 51 13 00-0021	EA		12" x 12" x 72" Two Tier Institutional Or Corridor Locker.....	346.44	35.95
			<i>For &gt;25 To 50, Deduct</i>	-13.73	
			<i>For &gt;50 To 100, Deduct</i>	-28.53	
			<i>For &gt;100, Deduct</i>	-43.34	
			<i>For 14 Gauge Doors, Add</i>	30.20	
10 51 13 00-0022	EA		12" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	361.92	35.95
			<i>For &gt;25 To 50, Deduct</i>	-14.50	
			<i>For &gt;50 To 100, Deduct</i>	-30.08	
			<i>For &gt;100, Deduct</i>	-45.66	
			<i>For 14 Gauge Doors, Add</i>	31.90	
10 51 13 00-0023	EA		12" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	371.26	35.95
			<i>For &gt;25 To 50, Deduct</i>	-14.97	
			<i>For &gt;50 To 100, Deduct</i>	-31.01	
			<i>For &gt;100, Deduct</i>	-47.06	
			<i>For 14 Gauge Doors, Add</i>	32.93	
10 51 13 00-0024	EA		15" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	384.64	35.95
			<i>For &gt;25 To 50, Deduct</i>	-15.64	
			<i>For &gt;50 To 100, Deduct</i>	-32.35	
			<i>For &gt;100, Deduct</i>	-49.07	
			<i>For 14 Gauge Doors, Add</i>	34.40	
10 51 13 00-0025	EA		15" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	398.09	35.95
			<i>For &gt;25 To 50, Deduct</i>	-16.31	
			<i>For &gt;50 To 100, Deduct</i>	-33.70	
			<i>For &gt;100, Deduct</i>	-51.09	
			<i>For 14 Gauge Doors, Add</i>	35.88	
10 51 13 00-0026	EA		18" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	458.92	35.95
			<i>For &gt;25 To 50, Deduct</i>	-19.35	
			<i>For &gt;50 To 100, Deduct</i>	-39.78	
			<i>For &gt;100, Deduct</i>	-60.21	
			<i>For 14 Gauge Doors, Add</i>	42.57	
10 51 13 00-0027	EA		18" x 21" x 72" Two Tier Institutional Or Corridor Locker.....	469.97	35.95
			<i>For &gt;25 To 50, Deduct</i>	-19.90	
			<i>For &gt;50 To 100, Deduct</i>	-40.89	
			<i>For &gt;100, Deduct</i>	-61.87	
			<i>For 14 Gauge Doors, Add</i>	43.79	
<b>10 51 13 00-0028</b>			<b>Three Tier Institutional Or Corridor Locker</b> <small>(10 51 13 00-0001)</small>		
			Note: Includes one double hook per tier.		
10 51 13 00-0029	EA		12" x 12" x 72" Three Tier Institutional Or Corridor Locker.....	389.69	37.04
			<i>For &gt;25 To 50, Deduct</i>	-15.78	
			<i>For &gt;50 To 100, Deduct</i>	-32.67	
			<i>For &gt;100, Deduct</i>	-49.57	
			<i>For 14 Gauge Doors, Add</i>	47.34	
10 51 13 00-0030	EA		12" x 15" x 72" Three Tier Institutional Or Corridor Locker.....	396.96	37.04
			<i>For &gt;25 To 50, Deduct</i>	-16.14	
			<i>For &gt;50 To 100, Deduct</i>	-33.40	
			<i>For &gt;100, Deduct</i>	-50.66	
			<i>For 14 Gauge Doors, Add</i>	48.43	
10 51 13 00-0031	EA		12" x 18" x 72" Three Tier Institutional Or Corridor Locker.....	422.78	37.04
			<i>For &gt;25 To 50, Deduct</i>	-17.44	
			<i>For &gt;50 To 100, Deduct</i>	-35.98	
			<i>For &gt;100, Deduct</i>	-54.53	
			<i>For 14 Gauge Doors, Add</i>	52.31	
10 51 13 00-0032	EA		15" x 15" x 72" Three Tier Institutional Or Corridor Locker.....	447.52	37.04
			<i>For &gt;25 To 50, Deduct</i>	-18.67	
			<i>For &gt;50 To 100, Deduct</i>	-38.46	
			<i>For &gt;100, Deduct</i>	-58.24	
			<i>For 14 Gauge Doors, Add</i>	56.02	
10 51 13 00-0033	EA		15" x 18" x 72" Three Tier Institutional Or Corridor Locker.....	467.21	37.04
			<i>For &gt;25 To 50, Deduct</i>	-19.66	
			<i>For &gt;50 To 100, Deduct</i>	-40.43	
			<i>For &gt;100, Deduct</i>	-61.19	
			<i>For 14 Gauge Doors, Add</i>	58.97	
<b>10 51 13 00-0034</b>			<b>Four Tier Institutional Or Corridor Locker</b> <small>(10 51 13 00-0001)</small>		
10 51 13 00-0035	EA		12" x 12" x 72" Four Tier Institutional Or Corridor Locker.....	382.16	38.12
			<i>For &gt;25 To 50, Deduct</i>	-15.30	
			<i>For &gt;50 To 100, Deduct</i>	-31.73	
			<i>For &gt;100, Deduct</i>	-48.17	
10 51 13 00-0036	EA		12" x 15" x 72" Four Tier Institutional Or Corridor Locker.....	394.83	38.12
			<i>For &gt;25 To 50, Deduct</i>	-15.93	
			<i>For &gt;50 To 100, Deduct</i>	-33.00	
			<i>For &gt;100, Deduct</i>	-50.07	

**10 Specialties**

**10 50 Storage Specialties**

**10 51 Lockers**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0037	EA		12" x 18" x 72" Four Tier Institutional Or Corridor Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	415.24 -16.95 -35.04 -53.14	38.12
10 51 13 00-0038	EA		15" x 15" x 72" Four Tier Institutional Or Corridor Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	431.56 -17.77 -36.67 -55.58	38.12
10 51 13 00-0039	EA		15" x 18" x 72" Four Tier Institutional Or Corridor Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	455.07 -18.94 -39.03 -59.11	38.12
<b>10 51 13 00-0040</b>			<b>Six Tier Institutional Or Corridor Locker</b> <small>(10 51 13 00-0001)</small>		
10 51 13 00-0041	EA		12" x 12" x 72" Six Tier Institutional Or Corridor Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	416.24 -16.89 -34.96 -53.02	39.21
10 51 13 00-0042	EA		12" x 15" x 72" Six Tier Institutional Or Corridor Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	426.01 -17.38 -35.93 -54.49	39.21
10 51 13 00-0043	EA		12" x 18" x 72" Six Tier Institutional Or Corridor Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	444.48 -18.30 -37.78 -57.26	39.21
<b>10 51 13 00-0044</b>			<b>Locker And Coat Rack Combination</b> <small>(10 51 13 00-0001)</small>		
10 51 13 00-0045	EA		45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination.....	779.29	26.14
10 51 13 00-0046	EA		72" x 18" x 78", 16 Person Locker And Coat Rack Combination .....	1,243.51	54.46
<b>10 51 13 00-0047</b>			<b>Athletic Lockers</b> <small>(10 51 13)</small> Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.		
<b>10 51 13 00-0048</b>			<b>Single Tier Athletic Locker</b> <small>(10 51 13 00-0047)</small> Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0049	EA		12" x 15" x 60" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	422.55 -17.64 -36.33 -55.02	34.86
10 51 13 00-0050	EA		12" x 18" x 60" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	437.45 -18.39 -37.82 -57.25	34.86
10 51 13 00-0051	EA		15" x 15" x 60" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	447.03 -18.87 -38.78 -58.69	34.86
10 51 13 00-0052	EA		15" x 18" x 60" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	462.94 -19.66 -40.37 -61.08	34.86
10 51 13 00-0053	EA		18" x 18" x 60" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	531.56 -23.09 -47.23 -71.37	34.86
10 51 13 00-0054	EA		18" x 21" x 60" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	586.12 -25.82 -52.69 -79.55	34.86
10 51 13 00-0055	EA		18" x 24" x 60" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	623.44 -27.69 -56.42 -85.15	34.86
10 51 13 00-0056	EA		12" x 15" x 72" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	439.09 -18.47 -37.98 -57.50	34.86
10 51 13 00-0057	EA		12" x 18" x 72" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	465.93 -19.81 -40.67 -61.52	34.86
10 51 13 00-0058	EA		15" x 15" x 72" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	475.36 -20.28 -41.61 -62.94	34.86
10 51 13 00-0059	EA		15" x 18" x 72" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	492.59 -21.14 -43.33 -65.52	34.86



<b>Specialties</b>	<b>10</b>	<b>10</b>
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0060 EA 18" x 18" x 72" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	535.08 -23.27 -47.58 -71.90	34.86
10 51 13 00-0061 EA 18" x 21" x 72" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	579.60 -25.49 -52.03 -78.57	34.86
<b>10 51 13 00-0062 Two Tier Athletic Locker</b> (10 51 13 00-0047) Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0063 EA 12" x 12" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	474.50 -20.13 -41.34 -62.55	35.95
10 51 13 00-0064 EA 12" x 15" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	490.36 -20.92 -42.92 -64.93	35.95
10 51 13 00-0065 EA 12" x 18" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	508.22 -21.82 -44.71 -67.61	35.95
10 51 13 00-0066 EA 15" x 15" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	509.95 -21.90 -44.88 -67.86	35.95
10 51 13 00-0067 EA 15" x 18" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	513.67 -22.09 -45.26 -68.42	35.95
10 51 13 00-0068 EA 18" x 18" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	545.04 -23.66 -48.39 -73.13	35.95
10 51 13 00-0069 EA 18" x 21" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	568.02 -24.81 -50.69 -76.58	35.95
10 51 13 00-0070 EA 18" x 24" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	670.64 -29.94 -60.95 -91.97	35.95
10 51 13 00-0071 EA 12" x 12" x 72" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	491.67 -20.99 -43.06 -65.12	35.95
10 51 13 00-0072 EA 12" x 15" x 72" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	507.92 -21.80 -44.68 -67.56	35.95
10 51 13 00-0073 EA 12" x 18" x 72" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	530.06 -22.91 -46.89 -70.88	35.95
10 51 13 00-0074 EA 15" x 15" x 72" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	533.42 -23.08 -47.23 -71.39	35.95
10 51 13 00-0075 EA 15" x 18" x 72" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	551.62 -23.99 -49.05 -74.12	35.95
10 51 13 00-0076 EA 18" x 18" x 72" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	573.98 -25.10 -51.29 -77.47	35.95
10 51 13 00-0077 EA 18" x 21" x 72" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	624.15 -27.61 -56.30 -84.99	35.95
<b>10 51 13 00-0078 Three Tier Athletic Locker</b> (10 51 13 00-0047) Note: Includes one double hook per tier.		
10 51 13 00-0079 EA 12" x 12" x 60" Three Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	514.87 -22.04 -45.19 -68.34	37.04
10 51 13 00-0080 EA 12" x 15" x 60" Three Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	540.58 -23.33 -47.76 -72.20	37.04

**10 Specialties****10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0081	EA		12" x 18" x 60" Three Tier Athletic Locker.....	563.30	37.04
			<i>For &gt;25 To 50, Deduct</i>	-24.46	
			<i>For &gt;50 To 100, Deduct</i>	-50.03	
			<i>For &gt;100, Deduct</i>	-75.61	
10 51 13 00-0082	EA		15" x 15" x 60" Three Tier Athletic Locker.....	578.74	37.04
			<i>For &gt;25 To 50, Deduct</i>	-25.23	
			<i>For &gt;50 To 100, Deduct</i>	-51.58	
			<i>For &gt;100, Deduct</i>	-77.92	
10 51 13 00-0083	EA		15" x 18" x 60" Three Tier Athletic Locker.....	604.44	37.04
			<i>For &gt;25 To 50, Deduct</i>	-26.52	
			<i>For &gt;50 To 100, Deduct</i>	-54.15	
			<i>For &gt;100, Deduct</i>	-81.78	
10 51 13 00-0084	EA		12" x 12" x 72" Three Tier Athletic Locker.....	544.16	37.04
			<i>For &gt;25 To 50, Deduct</i>	-23.50	
			<i>For &gt;50 To 100, Deduct</i>	-48.12	
			<i>For &gt;100, Deduct</i>	-72.74	
10 51 13 00-0085	EA		12" x 15" x 72" Three Tier Athletic Locker.....	567.37	37.04
			<i>For &gt;25 To 50, Deduct</i>	-24.67	
			<i>For &gt;50 To 100, Deduct</i>	-50.44	
			<i>For &gt;100, Deduct</i>	-76.22	
10 51 13 00-0086	EA		12" x 18" x 72" Three Tier Athletic Locker.....	599.41	37.04
			<i>For &gt;25 To 50, Deduct</i>	-26.27	
			<i>For &gt;50 To 100, Deduct</i>	-53.65	
			<i>For &gt;100, Deduct</i>	-81.02	
10 51 13 00-0087	EA		15" x 15" x 72" Three Tier Athletic Locker.....	615.80	37.04
			<i>For &gt;25 To 50, Deduct</i>	-27.09	
			<i>For &gt;50 To 100, Deduct</i>	-55.28	
			<i>For &gt;100, Deduct</i>	-83.48	
10 51 13 00-0088	EA		15" x 18" x 72" Three Tier Athletic Locker.....	640.40	37.04
			<i>For &gt;25 To 50, Deduct</i>	-28.32	
			<i>For &gt;50 To 100, Deduct</i>	-57.74	
			<i>For &gt;100, Deduct</i>	-87.17	
<b>10 51 13 00-0089</b>			<b>Four Tier Athletic Locker</b> <small>(10 51 13 00-0047)</small>		
10 51 13 00-0090	EA		12" x 12" x 60" Four Tier Athletic Locker.....	473.20	38.12
			<i>For &gt;25 To 50, Deduct</i>	-19.85	
			<i>For &gt;50 To 100, Deduct</i>	-40.84	
			<i>For &gt;100, Deduct</i>	-61.83	
10 51 13 00-0091	EA		12" x 15" x 60" Four Tier Athletic Locker.....	504.69	38.12
			<i>For &gt;25 To 50, Deduct</i>	-21.42	
			<i>For &gt;50 To 100, Deduct</i>	-43.99	
			<i>For &gt;100, Deduct</i>	-66.55	
10 51 13 00-0092	EA		12" x 18" x 60" Four Tier Athletic Locker.....	536.17	38.12
			<i>For &gt;25 To 50, Deduct</i>	-23.00	
			<i>For &gt;50 To 100, Deduct</i>	-47.14	
			<i>For &gt;100, Deduct</i>	-71.28	
10 51 13 00-0093	EA		15" x 15" x 60" Four Tier Athletic Locker.....	549.04	38.12
			<i>For &gt;25 To 50, Deduct</i>	-23.64	
			<i>For &gt;50 To 100, Deduct</i>	-48.42	
			<i>For &gt;100, Deduct</i>	-73.21	
10 51 13 00-0094	EA		15" x 18" x 60" Four Tier Athletic Locker.....	600.75	38.12
			<i>For &gt;25 To 50, Deduct</i>	-26.23	
			<i>For &gt;50 To 100, Deduct</i>	-53.59	
			<i>For &gt;100, Deduct</i>	-80.96	
10 51 13 00-0095	EA		12" x 12" x 72" Four Tier Athletic Locker.....	505.24	38.12
			<i>For &gt;25 To 50, Deduct</i>	-21.45	
			<i>For &gt;50 To 100, Deduct</i>	-44.04	
			<i>For &gt;100, Deduct</i>	-66.64	
10 51 13 00-0096	EA		12" x 15" x 72" Four Tier Athletic Locker.....	537.17	38.12
			<i>For &gt;25 To 50, Deduct</i>	-23.05	
			<i>For &gt;50 To 100, Deduct</i>	-47.24	
			<i>For &gt;100, Deduct</i>	-71.43	
10 51 13 00-0097	EA		12" x 18" x 72" Four Tier Athletic Locker.....	569.10	38.12
			<i>For &gt;25 To 50, Deduct</i>	-24.64	
			<i>For &gt;50 To 100, Deduct</i>	-50.43	
			<i>For &gt;100, Deduct</i>	-76.22	
10 51 13 00-0098	EA		15" x 15" x 72" Four Tier Athletic Locker.....	585.46	38.12
			<i>For &gt;25 To 50, Deduct</i>	-25.46	
			<i>For &gt;50 To 100, Deduct</i>	-52.06	
			<i>For &gt;100, Deduct</i>	-78.67	
10 51 13 00-0099	EA		15" x 18" x 72" Four Tier Athletic Locker.....	597.73	38.12
			<i>For &gt;25 To 50, Deduct</i>	-26.07	
			<i>For &gt;50 To 100, Deduct</i>	-53.29	
			<i>For &gt;100, Deduct</i>	-80.51	
<b>10 51 13 00-0100</b>			<b>Six Tier Athletic Locker</b> <small>(10 51 13 00-0047)</small>		
10 51 13 00-0101	EA		12" x 12" x 72" Six Tier Athletic Locker.....	561.13	39.21
			<i>For &gt;25 To 50, Deduct</i>	-24.14	
			<i>For &gt;50 To 100, Deduct</i>	-49.45	
			<i>For &gt;100, Deduct</i>	-74.76	



<b>Specialties</b>	<b>10</b>
<b>Storage Specialties</b>	<b>10 50</b>
<b>Lockers</b>	<b>10 51</b>

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0102	EA	12" x 15" x 72" Six Tier Athletic Locker..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	585.66 -25.36 -51.90 -78.44	39.21
10 51	13 00-0103	EA	12" x 18" x 72" Six Tier Athletic Locker..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	610.15 -26.59 -54.35 -82.11	39.21
10 51	13 00-0104	EA	12" x 21" x 72" Six Tier Athletic Locker..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	699.52 -31.05 -63.29 -95.52	39.21
<b>10 51 13 00-0105 Open Front, All-Welded Steel Stadium Lockers <small>(10 51 13)</small></b>					
Note: 16 gauge perforated with diamond-shaped holes sides, 18 gauge solid back, 16 gauge top, bottom, front frame and shelf. The gauge of the optional foot locker seat and security box door is 14 GA.					
10 51	13 00-0106	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD01) ..... Note: Includes shelf and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	277.21 -12.36 -25.17 -37.99	20.97
10 51	13 00-0107	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD10) ..... Note: Includes shelf and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	297.69 -13.25 -26.99 -40.73	22.87
10 51	13 00-0108	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD20) ..... Note: Includes shelf and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	310.89 -13.91 -28.31 -42.71	22.87
10 51	13 00-0109	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD30) ..... Note: Includes shelf and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	323.00 -14.52 -29.52 -44.53	22.87
10 51	13 00-0110	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD40) ..... Note: Includes shelf and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	305.34 -13.39 -27.34 -41.29	26.36
10 51	13 00-0111	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD50) ..... Note: Includes shelf and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	328.75 -14.56 -29.68 -44.80	26.36
10 51	13 00-0112	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD60) ..... Note: Includes shelf and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	339.13 -15.08 -30.72 -46.36	26.36
10 51	13 00-0113	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD09) ..... Note: Includes shelf, security box and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	285.97 -12.80 -26.05 -39.30	20.97
10 51	13 00-0114	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD11) ..... Note: Includes shelf, security box and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	325.30 -14.63 -29.75 -44.87	22.87
10 51	13 00-0115	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD21) ..... Note: Includes shelf, security box and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	340.48 -15.39 -31.27 -47.15	22.87
10 51	13 00-0116	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD31) ..... Note: Includes shelf, security box and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	347.25 -15.73 -31.95 -48.17	22.87
10 51	13 00-0117	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD41) ..... Note: Includes shelf, security box and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	334.95 -14.87 -30.30 -45.73	26.36
10 51	13 00-0118	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD51) ..... Note: Includes shelf, security box and 4" high integral base. <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	358.37 -16.04 -32.64 -49.25	26.36

<b>10</b>	<b>Specialties</b>
<b>10 50</b>	<b>Storage Specialties</b>
<b>10 51</b>	<b>Lockers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0119	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD61).....	365.29	26.36
			Note: Includes shelf, security box and 4" high integral base.		
			For >25 To 50, Deduct	-16.39	
			For >50 To 100, Deduct	-33.33	
			For >100, Deduct	-50.28	
10 51	13 00-0120	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD02).....	340.64	20.97
			Note: Includes shelf, foot locker and 4" high integral base.		
			For >25 To 50, Deduct	-15.53	
			For >50 To 100, Deduct	-31.52	
			For >100, Deduct	-47.50	
10 51	13 00-0121	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD12).....	362.33	22.87
			Note: Includes shelf, foot locker and 4" high integral base.		
			For >25 To 50, Deduct	-16.48	
			For >50 To 100, Deduct	-33.46	
			For >100, Deduct	-50.43	
10 51	13 00-0122	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD22).....	380.83	22.87
			Note: Includes shelf, foot locker and 4" high integral base.		
			For >25 To 50, Deduct	-17.41	
			For >50 To 100, Deduct	-35.31	
			For >100, Deduct	-53.20	
10 51	13 00-0123	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD32).....	384.34	22.87
			Note: Includes shelf, foot locker and 4" high integral base.		
			For >25 To 50, Deduct	-17.58	
			For >50 To 100, Deduct	-35.66	
			For >100, Deduct	-53.73	
10 51	13 00-0124	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD42).....	425.93	26.36
			Note: Includes shelf, foot locker and 4" high integral base.		
			For >25 To 50, Deduct	-19.42	
			For >50 To 100, Deduct	-39.40	
			For >100, Deduct	-59.38	
10 51	13 00-0125	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD52).....	437.58	26.36
			Note: Includes shelf, foot locker and 4" high integral base.		
			For >25 To 50, Deduct	-20.00	
			For >50 To 100, Deduct	-40.56	
			For >100, Deduct	-61.13	
10 51	13 00-0126	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD62).....	450.36	26.36
			Note: Includes shelf, foot locker and 4" high integral base.		
			For >25 To 50, Deduct	-20.64	
			For >50 To 100, Deduct	-41.84	
			For >100, Deduct	-63.04	
10 51	13 00-0127	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD03).....	368.99	20.97
			Note: Includes shelf, foot locker, security box and 4" high integral base.		
			For >25 To 50, Deduct	-16.95	
			For >50 To 100, Deduct	-34.35	
			For >100, Deduct	-51.75	
10 51	13 00-0128	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD13).....	398.86	22.87
			Note: Includes shelf, foot locker, security box and 4" high integral base.		
			For >25 To 50, Deduct	-18.31	
			For >50 To 100, Deduct	-37.11	
			For >100, Deduct	-55.91	
10 51	13 00-0129	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD23).....	406.06	22.87
			Note: Includes shelf, foot locker, security box and 4" high integral base.		
			For >25 To 50, Deduct	-18.67	
			For >50 To 100, Deduct	-37.83	
			For >100, Deduct	-56.99	
10 51	13 00-0130	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD33).....	423.56	22.87
			Note: Includes shelf, foot locker, security box and 4" high integral base.		
			For >25 To 50, Deduct	-19.54	
			For >50 To 100, Deduct	-39.58	
			For >100, Deduct	-59.61	
10 51	13 00-0131	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD43).....	551.89	26.36
			Note: Includes shelf, foot locker, security box and 4" high integral base.		
			For >25 To 50, Deduct	-25.72	
			For >50 To 100, Deduct	-51.99	
			For >100, Deduct	-78.27	
10 51	13 00-0132	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD53).....	560.76	26.36
			Note: Includes shelf, foot locker, security box and 4" high integral base.		
			For >25 To 50, Deduct	-26.16	
			For >50 To 100, Deduct	-52.88	
			For >100, Deduct	-79.60	
10 51	13 00-0133	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD63).....	569.64	26.36
			Note: Includes shelf, foot locker, security box and 4" high integral base.		
			For >25 To 50, Deduct	-26.60	
			For >50 To 100, Deduct	-53.77	
			For >100, Deduct	-80.94	
10 51	13 00-0134		<b>Metal Locker Accessories</b> (10 51 13)		
10 51	13 00-0135		<b>Locker Slope Tops</b> (10 51 13 00-0134)		
10 51	13 00-0136		<b>16 Gauge Continuous Sloping Hood</b> (10 51 13 00-0135)		
10 51	13 00-0137	LF	12" Deep, 16 Gauge Continuous Slope Top.....	34.88	4.36
10 51	13 00-0138	LF	15" Deep, 16 Gauge Continuous Slope Top.....	29.29	4.36
10 51	13 00-0139	LF	18" Deep, 16 Gauge Continuous Slope Top.....	40.60	4.36
10 51	13 00-0140	LF	21" Deep, 16 Gauge Continuous Slope Top.....	44.94	4.36





<b>Specialties</b>	<b>10</b>
Storage Specialties	10 50
Lockers	10 51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0141 LF 24" Deep, 16 Gauge Continuous Slope Top.....	46.98	4.36
<b>10 51 13 00-0142 16 Gauge Slope Top Corner Fillers (10 51 13 00-0135)</b>		
10 51 13 00-0143 EA 12" Deep, 16 Gauge Slope Top Corner Fillers .....	147.04	4.36
10 51 13 00-0144 EA 15" Deep, 16 Gauge Slope Top Corner Fillers .....	150.21	4.36
10 51 13 00-0145 EA 18" Deep, 16 Gauge Slope Top Corner Fillers .....	153.36	4.36
10 51 13 00-0146 EA 21" Deep, 16 Gauge Slope Top Corner Fillers .....	157.19	4.36
10 51 13 00-0147 EA 24" Deep, 16 Gauge Slope Top Corner Fillers .....	160.97	4.36
<b>10 51 13 00-0148 20 Gauge Individual Slope Top (10 51 13 00-0135)</b>		
10 51 13 00-0149 EA 12" Wide x 12" Deep 20 Gauge Individual Slope Top.....	29.84	4.36
10 51 13 00-0150 EA 12" Wide x 15" Deep 20 Gauge Individual Slope Top.....	29.64	4.36
10 51 13 00-0151 EA 12" Wide x 18" Deep 20 Gauge Individual Slope Top.....	33.08	4.36
10 51 13 00-0152 EA 15" Wide x 15" Deep 20 Gauge Individual Slope Top.....	33.08	4.36
10 51 13 00-0153 EA 15" Wide x 18" Deep 20 Gauge Individual Slope Top.....	33.89	4.36
10 51 13 00-0154 EA 15" Wide x 21" Deep 20 Gauge Individual Slope Top.....	37.15	4.36
10 51 13 00-0155 EA 18" Wide x 18" Deep 20 Gauge Individual Slope Top.....	37.15	4.36
10 51 13 00-0156 EA 18" Wide x 21" Deep 20 Gauge Individual Slope Top.....	41.42	4.36
10 51 13 00-0157 EA 18" Wide x 24" Deep 20 Gauge Individual Slope Top.....	46.51	4.36
<b>10 51 13 00-0158 Continuous Slope Top End Closures (10 51 13 00-0135)</b>		
10 51 13 00-0159 PR 12" Deep, Continuous Slope Top End Closures .....	31.87	4.36
10 51 13 00-0160 PR 15" Deep, Continuous Slope Top End Closures .....	26.96	4.36
10 51 13 00-0161 PR 18" Deep, Continuous Slope Top End Closures .....	35.92	4.36
10 51 13 00-0162 PR 21" Deep, Continuous Slope Top End Closures .....	37.96	4.36
10 51 13 00-0163 PR 24" Deep, Continuous Slope Top End Closures .....	39.35	4.36
<b>10 51 13 00-0164 Individual Slope Top End Closures (10 51 13 00-0135)</b>		
10 51 13 00-0165 EA 12" Deep, Individual Slope Top End Closures.....	20.29	4.36
10 51 13 00-0166 EA 15" Deep, Individual Slope Top End Closures.....	20.93	4.36
10 51 13 00-0167 EA 18" Deep, Individual Slope Top End Closures.....	22.34	4.36
10 51 13 00-0168 EA 21" Deep, Individual Slope Top End Closures.....	23.32	4.36
10 51 13 00-0169 EA 24" Deep, Individual Slope Top End Closures.....	33.34	4.36
<b>10 51 13 00-0170 Locker Base (10 51 13 00-0134)</b>		
<b>10 51 13 00-0171 Closed Front Base (10 51 13 00-0170)</b>		
10 51 13 00-0172 EA 12" Wide, 6" High Closed Front Base .....	21.38	4.36
10 51 13 00-0173 EA 15" Wide, 6" High Closed Front Base .....	22.44	4.36
10 51 13 00-0174 EA 18" Wide, 6" High Closed Front Base .....	24.65	4.36
10 51 13 00-0175 EA 24" Wide, 6" High Closed Front Base .....	25.71	4.36
<b>10 51 13 00-0176 Closed End Base (10 51 13 00-0170)</b>		
10 51 13 00-0177 EA 12" Deep, 6" High Closed End Base.....	24.32	4.36
10 51 13 00-0178 EA 15" Deep, 6" High Closed End Base.....	24.51	4.36
10 51 13 00-0179 EA 18" Deep, 6" High Closed End Base.....	25.94	4.36
10 51 13 00-0180 EA 21" Deep, 6" High Closed End Base.....	27.35	4.36
10 51 13 00-0181 EA 24" Deep, 6" High Closed End Base.....	29.27	4.36
<b>10 51 13 00-0182 Recessed Continuous Front "Z" Base (10 51 13 00-0170)</b>		
10 51 13 00-0183 LF 4" High Recessed Continuous Front "Z" Base.....	25.79	3.27
<b>10 51 13 00-0184 "Z" Base Ends Or Splice (10 51 13 00-0170)</b>		
10 51 13 00-0185 EA 12" Wide, 4" High Z-Base Ends Or Splice .....	25.47	4.36
10 51 13 00-0186 EA 15" Wide, 4" High Z-Base Ends Or Splice .....	29.64	4.36
10 51 13 00-0187 EA 18" Wide, 4" High Z-Base Ends Or Splice .....	33.89	4.36
10 51 13 00-0188 EA 21" Wide, 4" High Z-Base Ends Or Splice .....	38.37	4.36
10 51 13 00-0189 EA 24" Wide, 4" High Z-Base Ends Or Splice .....	42.83	4.36
<b>10 51 13 00-0190 Locker Front Fillers And End Panels (10 51 13 00-0134)</b>		
<b>10 51 13 00-0191 Locker Front Fillers (10 51 13 00-0190)</b>		
10 51 13 00-0192 EA 6" Wide x 48" High, 16 Gauge Front Filler .....	33.22	5.45
10 51 13 00-0193 EA 12" Wide x 48" High, 16 Gauge Front Filler .....	54.53	5.45
10 51 13 00-0194 EA 6" Wide x 60" High, 16 Gauge Front Filler .....	41.97	5.45
10 51 13 00-0195 EA 12" Wide x 60" High, 16 Gauge Front Filler .....	65.45	5.45
10 51 13 00-0196 EA 6" Wide x 66" High, 16 Gauge Front Filler .....	45.80	5.45
10 51 13 00-0197 EA 12" Wide x 66" High, 16 Gauge Front Filler .....	51.61	5.45
10 51 13 00-0198 EA 6" Wide x 72" High, 16 Gauge Front Filler .....	50.24	5.45
10 51 13 00-0199 EA 12" Wide x 72" High, 16 Gauge Front Filler .....	71.79	5.45
10 51 13 00-0200 EA 6" Wide x 78" High, 16 Gauge Front Filler .....	51.46	5.45



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 51 13 00-0201	EA	12" Wide x 78" High, 16 Gauge Front Filler .....	60.17	5.45
<b>10 51 13 00-0202</b>		<b>Locker End Panels</b> (10 51 13 00-0190)		
10 51 13 00-0203	EA	12" Deep x 48" High, 16 Gauge End Panel .....	55.71	4.36
10 51 13 00-0204	EA	15" Deep x 48" High, 16 Gauge End Panel .....	68.25	4.36
10 51 13 00-0205	EA	18" Deep x 48" High, 16 Gauge End Panel .....	80.32	4.36
10 51 13 00-0206	EA	12" Deep x 60" High, 16 Gauge End Panel .....	65.98	4.36
10 51 13 00-0207	EA	15" Deep x 60" High, 16 Gauge End Panel .....	74.98	4.36
10 51 13 00-0208	EA	18" Deep x 60" High, 16 Gauge End Panel .....	89.13	4.36
10 51 13 00-0209	EA	12" Deep x 72" High, 16 Gauge End Panel .....	77.94	4.36
10 51 13 00-0210	EA	15" Deep x 72" High, 16 Gauge End Panel .....	88.88	4.36
10 51 13 00-0211	EA	18" Deep x 72" High, 16 Gauge End Panel .....	103.44	4.36
10 51 13 00-0212	EA	21" Deep x 72" High, 16 Gauge End Panel .....	119.25	4.36
<b>10 51 13 00-0213</b>		<b>Locker Recessed Trim</b> (10 51 13 00-0134)		
10 51 13 00-0214	LF	3" Height, Top Trim For Recessed Lockers .....	11.17	2.17
10 51 13 00-0215	EA	3" Height, Inside And Outside Top Corner Trim For Recessed Lockers .....	31.22	4.36
10 51 13 00-0216	EA	60" Height, 3" Wide Side Trim For Recessed Lockers .....	48.09	4.36
10 51 13 00-0217	EA	66" Height, 3" Wide Side Trim For Recessed Lockers .....	49.87	4.36
10 51 13 00-0218	EA	72" Height, 3" Wide Side Trim For Recessed Lockers .....	51.64	4.36
10 51 13 00-0219	EA	78" Height, 3" Wide Side Trim For Recessed Lockers .....	53.20	4.36
<b>10 51 13 00-0220</b>		<b>Locker Interior Accessories</b> (10 51 13 00-0134)		
<b>10 51 13 00-0221</b>		<b>Locker Coat Rods</b> (10 51 13 00-0220)		
10 51 13 00-0222	EA	12" Wide Coat Rod .....	16.38	4.36
10 51 13 00-0223	EA	15" Wide Coat Rod .....	18.03	4.36
10 51 13 00-0224	EA	18" Wide Coat Rod .....	19.50	4.36
10 51 13 00-0225	EA	24" Wide Coat Rod .....	20.80	4.36
<b>10 51 13 00-0226</b>		<b>Locker Hat Shelf</b> (10 51 13 00-0220)		
10 51 13 00-0227	EA	12" Wide Hat Shelf .....	19.87	4.36
10 51 13 00-0228	EA	15" Wide Hat Shelf .....	23.44	4.36
10 51 13 00-0229	EA	18" Wide Hat Shelf .....	24.96	4.36
10 51 13 00-0230	EA	24" Wide Hat Shelf .....	30.93	4.36
<b>10 51 13 00-0231</b>		<b>Locker ADA Compliant Shelf</b> (10 51 13 00-0220)		
10 51 13 00-0232	EA	ADA Compliant Shelf For Single Tier Lockers .....	39.89	5.45
		Note: Includes an ADA label for locker face.		
<b>10 51 13 00-0233</b>		<b>Other Interior Locker Accessories</b> (10 51 13 00-0220)		
10 51 13 00-0234	EA	3" x 10" Bent Plate Shoe Rack .....	53.34	4.36
10 51 13 00-0235	EA	8" x 10" Mirror .....	42.18	4.36
10 51 13 00-0236	EA	Additional Hook .....	11.51	4.36
<b>10 51 13 00-0237</b>		<b>Locker Locks</b> (10 51 13 00-0134)		
10 51 13 00-0238	EA	Built In Combination Lock .....	46.35	4.36
<b>10 51 13 00-0239</b>		<b>Steel Basket Racks Mounted On Concrete Base</b> (10 51 13)		
		Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.		
10 51 13 00-0240	EA	9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack .....	2,193.68	81.69
10 51 13 00-0241	EA	12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack .....	1,872.92	81.69
<b>10 51 13 00-0242</b>		<b>All-Welded Steel Lockers</b> (10 51 13)		
<b>10 51 13 00-0243</b>		<b>All-Welded Steel Lockers</b> (10 51 13 00-0242)		
		Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
<b>10 51 13 00-0244</b>		<b>Single Tier, All-Welded Steel Lockers</b> (10 51 13 00-0243)		
		Note: Includes one hat shelf, two single hooks and one double hook.		
10 51 13 00-0245	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker .....	162.69	19.07
		For >25 To 50, Deduct	-6.77	
		For >50 To 100, Deduct	-13.95	
		For >100, Deduct	-21.14	
10 51 13 00-0246	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker .....	170.68	19.07
		For >25 To 50, Deduct	-7.17	
		For >50 To 100, Deduct	-14.75	
		For >100, Deduct	-22.33	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0247 EA 12" x 18" x 48" Single Tier, All-Welded Steel Locker .....	178.38	19.07
For >25 To 50, Deduct	-7.56	
For >50 To 100, Deduct	-15.52	
For >100, Deduct	-23.49	
10 51 13 00-0248 EA 12" x 12" x 60" Single Tier, All-Welded Steel Locker .....	169.29	19.07
For >25 To 50, Deduct	-7.10	
For >50 To 100, Deduct	-14.61	
For >100, Deduct	-22.13	
10 51 13 00-0249 EA 12" x 15" x 60" Single Tier, All-Welded Steel Locker .....	176.99	19.07
For >25 To 50, Deduct	-7.49	
For >50 To 100, Deduct	-15.38	
For >100, Deduct	-23.28	
10 51 13 00-0250 EA 12" x 18" x 60" Single Tier, All-Welded Steel Locker .....	184.68	19.07
For >25 To 50, Deduct	-7.87	
For >50 To 100, Deduct	-16.15	
For >100, Deduct	-24.43	
10 51 13 00-0251 EA 12" x 12" x 72" Single Tier, All-Welded Steel Locker .....	179.14	20.97
For >25 To 50, Deduct	-7.46	
For >50 To 100, Deduct	-15.37	
For >100, Deduct	-23.28	
10 51 13 00-0252 EA 12" x 15" x 72" Single Tier, All-Welded Steel Locker .....	186.26	20.97
For >25 To 50, Deduct	-7.82	
For >50 To 100, Deduct	-16.08	
For >100, Deduct	-24.34	
10 51 13 00-0253 EA 12" x 18" x 72" Single Tier, All-Welded Steel Locker .....	193.96	20.97
For >25 To 50, Deduct	-8.20	
For >50 To 100, Deduct	-16.85	
For >100, Deduct	-25.50	
10 51 13 00-0254 EA 15" x 15" x 72" Single Tier, All-Welded Steel Locker .....	201.16	20.97
For >25 To 50, Deduct	-8.56	
For >50 To 100, Deduct	-17.57	
For >100, Deduct	-26.58	
10 51 13 00-0255 EA 15" x 18" x 72" Single Tier, All-Welded Steel Locker .....	207.09	20.97
For >25 To 50, Deduct	-8.86	
For >50 To 100, Deduct	-18.16	
For >100, Deduct	-27.47	
10 51 13 00-0256 EA 18" x 18" x 72" Single Tier, All-Welded Steel Locker .....	215.27	20.97
For >25 To 50, Deduct	-9.27	
For >50 To 100, Deduct	-18.98	
For >100, Deduct	-28.70	
10 51 13 00-0257 EA 18" x 21" x 72" Single Tier, All-Welded Steel Locker .....	224.47	20.97
For >25 To 50, Deduct	-9.73	
For >50 To 100, Deduct	-19.90	
For >100, Deduct	-30.08	
10 51 13 00-0258 EA 24" x 24" x 72" Single Tier, All-Welded Steel Locker .....	363.09	20.97
For >25 To 50, Deduct	-16.66	
For >50 To 100, Deduct	-33.76	
For >100, Deduct	-50.87	
<b>10 51 13 00-0259 Two Tier, All-Welded Steel Lockers</b> <small>(10 51 13 00-0243)</small>		
Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0260 EA 12" x 12" x 60" Two Tier, All-Welded Steel Locker .....	194.24	19.07
For >25 To 50, Deduct	-8.35	
For >50 To 100, Deduct	-17.11	
For >100, Deduct	-25.87	
10 51 13 00-0261 EA 12" x 15" x 60" Two Tier, All-Welded Steel Locker .....	197.77	19.07
For >25 To 50, Deduct	-8.53	
For >50 To 100, Deduct	-17.46	
For >100, Deduct	-26.40	
10 51 13 00-0262 EA 12" x 18" x 60" Two Tier, All-Welded Steel Locker .....	207.26	19.07
For >25 To 50, Deduct	-9.00	
For >50 To 100, Deduct	-18.41	
For >100, Deduct	-27.82	
10 51 13 00-0263 EA 12" x 12" x 72" Two Tier, All-Welded Steel Locker .....	202.86	20.97
For >25 To 50, Deduct	-8.65	
For >50 To 100, Deduct	-17.74	
For >100, Deduct	-26.83	
10 51 13 00-0264 EA 12" x 15" x 72" Two Tier, All-Welded Steel Locker .....	215.94	20.97
For >25 To 50, Deduct	-9.30	
For >50 To 100, Deduct	-19.05	
For >100, Deduct	-28.80	
10 51 13 00-0265 EA 12" x 18" x 72" Two Tier, All-Welded Steel Locker .....	223.06	20.97
For >25 To 50, Deduct	-9.66	
For >50 To 100, Deduct	-19.76	
For >100, Deduct	-29.86	
10 51 13 00-0266 EA 15" x 15" x 72" Two Tier, All-Welded Steel Locker .....	233.21	20.97
For >25 To 50, Deduct	-10.16	
For >50 To 100, Deduct	-20.77	
For >100, Deduct	-31.39	
10 51 13 00-0267 EA 15" x 18" x 72" Two Tier, All-Welded Steel Locker .....	237.99	20.97
For >25 To 50, Deduct	-10.40	
For >50 To 100, Deduct	-21.25	
For >100, Deduct	-32.10	

**10 Specialties**  
**10 50 Storage Specialties**  
**10 51 Lockers**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0268	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker.....	251.77	20.97
			<i>For &gt;25 To 50, Deduct</i>	-11.09	
			<i>For &gt;50 To 100, Deduct</i>	-22.63	
			<i>For &gt;100, Deduct</i>	-34.17	
10 51	13 00-0269	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker.....	262.44	20.97
			<i>For &gt;25 To 50, Deduct</i>	-11.62	
			<i>For &gt;50 To 100, Deduct</i>	-23.70	
			<i>For &gt;100, Deduct</i>	-35.77	
<b>10 51</b>	<b>13 00-0270</b>		<b>Three Tier, All-Welded Steel Lockers</b> <small>(10 51 13 00-0243)</small>		
			Note: Includes two single hooks and one double hook per tier.		
10 51	13 00-0271	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker.....	239.68	20.97
			<i>For &gt;25 To 50, Deduct</i>	-10.49	
			<i>For &gt;50 To 100, Deduct</i>	-21.42	
			<i>For &gt;100, Deduct</i>	-32.36	
10 51	13 00-0272	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker.....	245.04	20.97
			<i>For &gt;25 To 50, Deduct</i>	-10.75	
			<i>For &gt;50 To 100, Deduct</i>	-21.96	
			<i>For &gt;100, Deduct</i>	-33.16	
10 51	13 00-0273	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker.....	250.35	20.97
			<i>For &gt;25 To 50, Deduct</i>	-11.02	
			<i>For &gt;50 To 100, Deduct</i>	-22.49	
			<i>For &gt;100, Deduct</i>	-33.96	
10 51	13 00-0274	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker.....	262.95	20.97
			<i>For &gt;25 To 50, Deduct</i>	-11.65	
			<i>For &gt;50 To 100, Deduct</i>	-23.75	
			<i>For &gt;100, Deduct</i>	-35.85	
10 51	13 00-0275	EA	15" x 18" x 72" Three Tier, All-Welded Steel Locker.....	265.27	20.97
			<i>For &gt;25 To 50, Deduct</i>	-11.77	
			<i>For &gt;50 To 100, Deduct</i>	-23.98	
			<i>For &gt;100, Deduct</i>	-36.20	
<b>10 51</b>	<b>13 00-0276</b>		<b>Four Tier, All-Welded Steel Lockers</b> <small>(10 51 13 00-0243)</small>		
10 51	13 00-0277	EA	12" x 12" x 72" Four Tier, All-Welded Steel Locker.....	226.98	20.97
			<i>For &gt;25 To 50, Deduct</i>	-9.85	
			<i>For &gt;50 To 100, Deduct</i>	-20.15	
			<i>For &gt;100, Deduct</i>	-30.45	
10 51	13 00-0278	EA	12" x 15" x 72" Four Tier, All-Welded Steel Locker.....	232.04	20.97
			<i>For &gt;25 To 50, Deduct</i>	-10.10	
			<i>For &gt;50 To 100, Deduct</i>	-20.66	
			<i>For &gt;100, Deduct</i>	-31.21	
10 51	13 00-0279	EA	12" x 18" x 72" Four Tier, All-Welded Steel Locker.....	237.06	20.97
			<i>For &gt;25 To 50, Deduct</i>	-10.36	
			<i>For &gt;50 To 100, Deduct</i>	-21.16	
			<i>For &gt;100, Deduct</i>	-31.96	
10 51	13 00-0280	EA	15" x 15" x 72" Four Tier, All-Welded Steel Locker.....	248.91	20.97
			<i>For &gt;25 To 50, Deduct</i>	-10.95	
			<i>For &gt;50 To 100, Deduct</i>	-22.34	
			<i>For &gt;100, Deduct</i>	-33.74	
10 51	13 00-0281	EA	15" x 18" x 72" Four Tier, All-Welded Steel Locker.....	251.07	20.97
			<i>For &gt;25 To 50, Deduct</i>	-11.06	
			<i>For &gt;50 To 100, Deduct</i>	-22.56	
			<i>For &gt;100, Deduct</i>	-34.07	
<b>10 51</b>	<b>13 00-0282</b>		<b>Six Tier, All-Welded Steel Lockers</b> <small>(10 51 13 00-0243)</small>		
10 51	13 00-0283	EA	12" x 12" x 72" Six Tier, All-Welded Steel Locker.....	234.85	20.97
			<i>For &gt;25 To 50, Deduct</i>	-10.24	
			<i>For &gt;50 To 100, Deduct</i>	-20.94	
			<i>For &gt;100, Deduct</i>	-31.63	
10 51	13 00-0284	EA	12" x 15" x 72" Six Tier, All-Welded Steel Locker.....	242.23	20.97
			<i>For &gt;25 To 50, Deduct</i>	-10.61	
			<i>For &gt;50 To 100, Deduct</i>	-21.68	
			<i>For &gt;100, Deduct</i>	-32.74	
10 51	13 00-0285	EA	12" x 18" x 72" Six Tier, All-Welded Steel Locker.....	247.66	20.97
			<i>For &gt;25 To 50, Deduct</i>	-10.89	
			<i>For &gt;50 To 100, Deduct</i>	-22.22	
			<i>For &gt;100, Deduct</i>	-33.55	
<b>10 51</b>	<b>13 00-0286</b>		<b>All Welded Locker Accessories</b> <small>(10 51 13 00-0242)</small>		
10 51	13 00-0287	EA	ADA Requirements For All Welded Lockers.....	118.50	
10 51	13 00-0288	EA	Solid Boxed End Panel For 12" Deep All Welded Lockers.....	191.55	4.36
10 51	13 00-0289	EA	Solid Boxed End Panel For 15" Deep All Welded Lockers.....	222.03	4.36
10 51	13 00-0290	EA	Recessed Trim For All Welded Lockers.....	135.12	4.36
10 51	13 00-0291	EA	Built In Combination Lock For All Welded Lockers.....	46.35	4.36
10 51	13 00-0292	EA	Pad Lock For All Welded Lockers.....	36.94	4.36

**10 51 26 Plastic Lockers** (10 51)



<b>Specialties</b>	<b>10</b>	<b>10</b>
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0001 <b>Solid Plastic Lockers</b> <small>(10 51 26)</small>		
Note: Price per frame. High density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.		
10 51 26 00-0002 <b>Single Tier Solid Plastic Lockers</b> <small>(10 51 26 00-0001)</small>		
Note: Includes one double hook per tier.		
10 51 26 00-0003 EA 12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	497.59	33.76
For >50 To 100, Deduct	-43.01	
For >100, Deduct	-66.53	
10 51 26 00-0004 EA 12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	506.22	33.76
For >50 To 100, Deduct	-43.87	
For >100, Deduct	-67.83	
10 51 26 00-0005 EA 12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	514.85	33.76
For >50 To 100, Deduct	-44.73	
For >100, Deduct	-69.12	
10 51 26 00-0006 EA 15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	527.78	33.76
For >50 To 100, Deduct	-46.02	
For >100, Deduct	-71.06	
10 51 26 00-0007 EA 15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	514.10	33.76
For >50 To 100, Deduct	-44.66	
For >100, Deduct	-69.01	
10 51 26 00-0008 EA 18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	517.73	33.76
For >50 To 100, Deduct	-45.02	
For >100, Deduct	-69.55	
10 51 26 00-0009 EA 18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	511.35	33.76
For >50 To 100, Deduct	-44.38	
For >100, Deduct	-68.60	
10 51 26 00-0010 EA 18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	546.97	33.76
For >50 To 100, Deduct	-47.94	
For >100, Deduct	-73.94	
10 51 26 00-0011 EA 12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	538.75	33.76
For >50 To 100, Deduct	-47.12	
For >100, Deduct	-72.71	
10 51 26 00-0012 EA 12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	548.34	33.76
For >50 To 100, Deduct	-48.08	
For >100, Deduct	-74.15	
10 51 26 00-0013 EA 12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	557.92	33.76
For >50 To 100, Deduct	-49.04	
For >100, Deduct	-75.58	
10 51 26 00-0014 EA 15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	579.84	33.76
For >50 To 100, Deduct	-51.23	
For >100, Deduct	-78.87	
10 51 26 00-0015 EA 15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	609.98	33.76
For >50 To 100, Deduct	-54.24	
For >100, Deduct	-83.39	
10 51 26 00-0016 EA 18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	582.58	33.76
For >50 To 100, Deduct	-51.50	
For >100, Deduct	-79.28	
10 51 26 00-0017 EA 18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	631.89	33.76
For >50 To 100, Deduct	-56.44	
For >100, Deduct	-86.68	
10 51 26 00-0018 EA 12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	542.57	33.76
For >50 To 100, Deduct	-47.50	
For >100, Deduct	-73.28	
10 51 26 00-0019 EA 12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	570.67	33.76
For >50 To 100, Deduct	-50.31	
For >100, Deduct	-77.50	
10 51 26 00-0020 EA 12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	598.79	33.76
For >50 To 100, Deduct	-53.13	
For >100, Deduct	-81.71	
10 51 26 00-0021 EA 15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	578.20	33.76
For >50 To 100, Deduct	-51.07	
For >100, Deduct	-78.63	
10 51 26 00-0022 EA 15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	607.98	33.76
For >50 To 100, Deduct	-54.04	
For >100, Deduct	-83.09	
10 51 26 00-0023 EA 15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	637.78	33.76
For >50 To 100, Deduct	-57.02	
For >100, Deduct	-87.56	
10 51 26 00-0024 EA 18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	613.82	33.76
For >50 To 100, Deduct	-54.63	
For >100, Deduct	-83.97	
10 51 26 00-0025 EA 18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	645.31	33.76
For >50 To 100, Deduct	-57.78	
For >100, Deduct	-88.69	
10 51 26 00-0026 EA 12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	619.38	34.86
For >50 To 100, Deduct	-54.97	
For >100, Deduct	-84.54	
10 51 26 00-0027 EA 12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	650.89	34.86
For >50 To 100, Deduct	-58.12	
For >100, Deduct	-89.27	
10 51 26 00-0028 EA 12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	682.36	34.86
For >50 To 100, Deduct	-61.27	
For >100, Deduct	-93.99	

**10 Specialties**  
**10 50 Storage Specialties**  
**10 51 Lockers**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0029	EA		15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	660.27	34.86
			<i>For &gt;50 To 100, Deduct</i>	-59.06	
			<i>For &gt;100, Deduct</i>	-90.68	
10 51 26 00-0030	EA		15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	693.49	34.86
			<i>For &gt;50 To 100, Deduct</i>	-62.38	
			<i>For &gt;100, Deduct</i>	-95.66	
10 51 26 00-0031	EA		15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	726.69	34.86
			<i>For &gt;50 To 100, Deduct</i>	-65.70	
			<i>For &gt;100, Deduct</i>	-100.64	
10 51 26 00-0032	EA		18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	692.86	34.86
			<i>For &gt;50 To 100, Deduct</i>	-62.32	
			<i>For &gt;100, Deduct</i>	-95.56	
10 51 26 00-0033	EA		18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	736.06	34.86
			<i>For &gt;50 To 100, Deduct</i>	-66.64	
			<i>For &gt;100, Deduct</i>	-102.04	
10 51 26 00-0034	EA		18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	770.96	34.86
			<i>For &gt;50 To 100, Deduct</i>	-70.13	
			<i>For &gt;100, Deduct</i>	-107.28	
10 51 26 00-0035			<b>Double Tier Solid Plastic Lockers</b> (10 51 26 00-0001)		
			Note: Includes one double hook per tier.		
10 51 26 00-0036	EA		12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	557.36	34.86
			<i>For &gt;50 To 100, Deduct</i>	-48.77	
			<i>For &gt;100, Deduct</i>	-75.24	
10 51 26 00-0037	EA		12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	565.58	34.86
			<i>For &gt;50 To 100, Deduct</i>	-49.59	
			<i>For &gt;100, Deduct</i>	-76.47	
10 51 26 00-0038	EA		12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	577.90	34.86
			<i>For &gt;50 To 100, Deduct</i>	-50.82	
			<i>For &gt;100, Deduct</i>	-78.32	
10 51 26 00-0039	EA		15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	573.80	34.86
			<i>For &gt;50 To 100, Deduct</i>	-50.41	
			<i>For &gt;100, Deduct</i>	-77.70	
10 51 26 00-0040	EA		15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	595.72	34.86
			<i>For &gt;50 To 100, Deduct</i>	-52.60	
			<i>For &gt;100, Deduct</i>	-80.99	
10 51 26 00-0041	EA		15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	647.76	34.86
			<i>For &gt;50 To 100, Deduct</i>	-57.81	
			<i>For &gt;100, Deduct</i>	-88.80	
10 51 26 00-0042	EA		18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	579.28	34.86
			<i>For &gt;50 To 100, Deduct</i>	-50.96	
			<i>For &gt;100, Deduct</i>	-78.53	
10 51 26 00-0043	EA		18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	605.79	34.86
			<i>For &gt;50 To 100, Deduct</i>	-53.61	
			<i>For &gt;100, Deduct</i>	-82.50	
10 51 26 00-0044	EA		18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	653.25	34.86
			<i>For &gt;50 To 100, Deduct</i>	-58.35	
			<i>For &gt;100, Deduct</i>	-89.62	
10 51 26 00-0045	EA		12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	576.21	34.86
			<i>For &gt;50 To 100, Deduct</i>	-50.65	
			<i>For &gt;100, Deduct</i>	-78.07	
10 51 26 00-0046	EA		12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	619.12	34.86
			<i>For &gt;50 To 100, Deduct</i>	-54.94	
			<i>For &gt;100, Deduct</i>	-84.50	
10 51 26 00-0047	EA		12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	631.38	34.86
			<i>For &gt;50 To 100, Deduct</i>	-56.17	
			<i>For &gt;100, Deduct</i>	-86.34	
10 51 26 00-0048	EA		15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	626.29	34.86
			<i>For &gt;50 To 100, Deduct</i>	-55.66	
			<i>For &gt;100, Deduct</i>	-85.58	
10 51 26 00-0049	EA		15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	654.72	34.86
			<i>For &gt;50 To 100, Deduct</i>	-58.50	
			<i>For &gt;100, Deduct</i>	-89.84	
10 51 26 00-0050	EA		18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	660.28	34.86
			<i>For &gt;50 To 100, Deduct</i>	-59.06	
			<i>For &gt;100, Deduct</i>	-90.68	
10 51 26 00-0051	EA		18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	690.35	34.86
			<i>For &gt;50 To 100, Deduct</i>	-62.06	
			<i>For &gt;100, Deduct</i>	-95.19	
10 51 26 00-0052	EA		18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	720.41	34.86
			<i>For &gt;50 To 100, Deduct</i>	-65.07	
			<i>For &gt;100, Deduct</i>	-99.70	
10 51 26 00-0053	EA		12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	665.70	35.95
			<i>For &gt;50 To 100, Deduct</i>	-59.38	
			<i>For &gt;100, Deduct</i>	-91.23	
10 51 26 00-0054	EA		12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	695.77	35.95
			<i>For &gt;50 To 100, Deduct</i>	-62.39	
			<i>For &gt;100, Deduct</i>	-95.74	
10 51 26 00-0055	EA		12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	711.44	35.95
			<i>For &gt;50 To 100, Deduct</i>	-63.96	
			<i>For &gt;100, Deduct</i>	-98.09	
10 51 26 00-0056	EA		15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	704.73	35.95
			<i>For &gt;50 To 100, Deduct</i>	-63.28	
			<i>For &gt;100, Deduct</i>	-97.08	



<b>Specialties</b>	<b>10</b>
Storage Specialties	10 50
Lockers	10 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0057	EA		15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	736.45	35.95
			<i>For &gt;50 To 100, Deduct</i>	-66.46	
			<i>For &gt;100, Deduct</i>	-101.84	
10 51 26 00-0058	EA		15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	768.14	35.95
			<i>For &gt;50 To 100, Deduct</i>	-69.63	
			<i>For &gt;100, Deduct</i>	-106.59	
10 51 26 00-0059	EA		18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	710.41	35.95
			<i>For &gt;50 To 100, Deduct</i>	-63.85	
			<i>For &gt;100, Deduct</i>	-97.93	
10 51 26 00-0060	EA		18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	777.09	35.95
			<i>For &gt;50 To 100, Deduct</i>	-70.52	
			<i>For &gt;100, Deduct</i>	-107.94	
10 51 26 00-0061	EA		18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	810.39	35.95
			<i>For &gt;50 To 100, Deduct</i>	-73.85	
			<i>For &gt;100, Deduct</i>	-112.93	
<b>10 51 26 00-0062</b>			<b>Triple Tier Solid Plastic Lockers (10 51 26 00-0001)</b>		
			Note: Includes one double hook per tier.		
10 51 26 00-0063	EA		12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	549.26	35.95
			<i>For &gt;50 To 100, Deduct</i>	-47.74	
			<i>For &gt;100, Deduct</i>	-73.76	
10 51 26 00-0064	EA		15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	571.82	35.95
			<i>For &gt;50 To 100, Deduct</i>	-49.99	
			<i>For &gt;100, Deduct</i>	-77.15	
10 51 26 00-0065	EA		15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	592.51	35.95
			<i>For &gt;50 To 100, Deduct</i>	-52.06	
			<i>For &gt;100, Deduct</i>	-80.25	
10 51 26 00-0066	EA		12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	596.51	35.95
			<i>For &gt;50 To 100, Deduct</i>	-52.46	
			<i>For &gt;100, Deduct</i>	-80.85	
10 51 26 00-0067	EA		12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	644.72	35.95
			<i>For &gt;50 To 100, Deduct</i>	-57.28	
			<i>For &gt;100, Deduct</i>	-88.08	
10 51 26 00-0068	EA		12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	644.94	35.95
			<i>For &gt;50 To 100, Deduct</i>	-57.31	
			<i>For &gt;100, Deduct</i>	-88.11	
10 51 26 00-0069	EA		15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	671.24	35.95
			<i>For &gt;50 To 100, Deduct</i>	-59.94	
			<i>For &gt;100, Deduct</i>	-92.06	
10 51 26 00-0070	EA		15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	697.66	35.95
			<i>For &gt;50 To 100, Deduct</i>	-62.58	
			<i>For &gt;100, Deduct</i>	-96.02	
10 51 26 00-0071	EA		15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	724.05	35.95
			<i>For &gt;50 To 100, Deduct</i>	-65.22	
			<i>For &gt;100, Deduct</i>	-99.98	
10 51 26 00-0072	EA		18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	702.83	35.95
			<i>For &gt;50 To 100, Deduct</i>	-63.09	
			<i>For &gt;100, Deduct</i>	-96.80	
10 51 26 00-0073	EA		18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	730.74	35.95
			<i>For &gt;50 To 100, Deduct</i>	-65.89	
			<i>For &gt;100, Deduct</i>	-100.98	
10 51 26 00-0074	EA		18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	758.65	35.95
			<i>For &gt;50 To 100, Deduct</i>	-68.68	
			<i>For &gt;100, Deduct</i>	-105.17	
10 51 26 00-0075	EA		12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	708.00	37.04
			<i>For &gt;50 To 100, Deduct</i>	-63.39	
			<i>For &gt;100, Deduct</i>	-97.31	
10 51 26 00-0076	EA		12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	735.93	37.04
			<i>For &gt;50 To 100, Deduct</i>	-66.19	
			<i>For &gt;100, Deduct</i>	-101.50	
10 51 26 00-0077	EA		12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	755.53	37.04
			<i>For &gt;50 To 100, Deduct</i>	-68.15	
			<i>For &gt;100, Deduct</i>	-104.44	
10 51 26 00-0078	EA		15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	744.24	37.04
			<i>For &gt;50 To 100, Deduct</i>	-67.02	
			<i>For &gt;100, Deduct</i>	-102.75	
10 51 26 00-0079	EA		15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	753.10	37.04
			<i>For &gt;50 To 100, Deduct</i>	-67.90	
			<i>For &gt;100, Deduct</i>	-104.08	
10 51 26 00-0080	EA		15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	785.00	37.04
			<i>For &gt;50 To 100, Deduct</i>	-71.09	
			<i>For &gt;100, Deduct</i>	-108.86	
10 51 26 00-0081	EA		18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	731.57	37.04
			<i>For &gt;50 To 100, Deduct</i>	-65.75	
			<i>For &gt;100, Deduct</i>	-100.85	
10 51 26 00-0082	EA		18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	796.44	37.04
			<i>For &gt;50 To 100, Deduct</i>	-72.24	
			<i>For &gt;100, Deduct</i>	-110.58	
10 51 26 00-0083	EA		18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	842.36	37.04
			<i>For &gt;50 To 100, Deduct</i>	-76.83	
			<i>For &gt;100, Deduct</i>	-117.47	
<b>10 51 26 00-0084</b>			<b>Four Tier Solid Plastic Lockers (10 51 26 00-0001)</b>		

<b>10</b>	<b>Specialties</b>
<b>10 50</b>	<b>Storage Specialties</b>
<b>10 51</b>	<b>Lockers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	26 00-0085	EA	12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	637.05	37.04
			<i>For &gt;50 To 100, Deduct</i>	-56.30	
			<i>For &gt;100, Deduct</i>	-86.67	
10 51	26 00-0086	EA	12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	655.36	37.04
			<i>For &gt;50 To 100, Deduct</i>	-58.13	
			<i>For &gt;100, Deduct</i>	-89.42	
10 51	26 00-0087	EA	12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	689.11	37.04
			<i>For &gt;50 To 100, Deduct</i>	-61.50	
			<i>For &gt;100, Deduct</i>	-94.48	
10 51	26 00-0088	EA	15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	684.99	37.04
			<i>For &gt;50 To 100, Deduct</i>	-61.09	
			<i>For &gt;100, Deduct</i>	-93.86	
10 51	26 00-0089	EA	15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	728.72	37.04
			<i>For &gt;50 To 100, Deduct</i>	-65.47	
			<i>For &gt;100, Deduct</i>	-100.42	
10 51	26 00-0090	EA	15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	742.52	37.04
			<i>For &gt;50 To 100, Deduct</i>	-66.85	
			<i>For &gt;100, Deduct</i>	-102.49	
10 51	26 00-0091	EA	18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	735.67	37.04
			<i>For &gt;50 To 100, Deduct</i>	-66.16	
			<i>For &gt;100, Deduct</i>	-101.46	
10 51	26 00-0092	EA	18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	758.96	37.04
			<i>For &gt;50 To 100, Deduct</i>	-68.49	
			<i>For &gt;100, Deduct</i>	-104.96	
10 51	26 00-0093	EA	18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	826.09	37.04
			<i>For &gt;50 To 100, Deduct</i>	-75.20	
			<i>For &gt;100, Deduct</i>	-115.03	
10 51	26 00-0094	EA	12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	732.31	38.12
			<i>For &gt;50 To 100, Deduct</i>	-65.61	
			<i>For &gt;100, Deduct</i>	-100.70	
10 51	26 00-0095	EA	12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	764.77	38.12
			<i>For &gt;50 To 100, Deduct</i>	-68.85	
			<i>For &gt;100, Deduct</i>	-105.57	
10 51	26 00-0096	EA	12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	769.00	38.12
			<i>For &gt;50 To 100, Deduct</i>	-69.28	
			<i>For &gt;100, Deduct</i>	-106.20	
10 51	26 00-0097	EA	15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	809.90	38.12
			<i>For &gt;50 To 100, Deduct</i>	-73.37	
			<i>For &gt;100, Deduct</i>	-112.34	
10 51	26 00-0098	EA	15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	772.05	38.12
			<i>For &gt;50 To 100, Deduct</i>	-69.58	
			<i>For &gt;100, Deduct</i>	-106.66	
10 51	26 00-0099	EA	15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	806.35	38.12
			<i>For &gt;50 To 100, Deduct</i>	-73.01	
			<i>For &gt;100, Deduct</i>	-111.80	
10 51	26 00-0100	EA	18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	770.74	38.12
			<i>For &gt;50 To 100, Deduct</i>	-69.45	
			<i>For &gt;100, Deduct</i>	-106.46	
10 51	26 00-0101	EA	18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	811.83	38.12
			<i>For &gt;50 To 100, Deduct</i>	-73.56	
			<i>For &gt;100, Deduct</i>	-112.62	
10 51	26 00-0102	EA	18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	873.40	38.12
			<i>For &gt;50 To 100, Deduct</i>	-79.72	
			<i>For &gt;100, Deduct</i>	-121.86	
<b>10 51 26 00-0103 Five Tier Solid Plastic Lockers (10 51 26 00-0001)</b>					
10 51	26 00-0104	EA	12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	692.17	37.58
			<i>For &gt;50 To 100, Deduct</i>	-61.70	
			<i>For &gt;100, Deduct</i>	-94.81	
10 51	26 00-0105	EA	12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	714.84	37.58
			<i>For &gt;50 To 100, Deduct</i>	-63.97	
			<i>For &gt;100, Deduct</i>	-98.21	
10 51	26 00-0106	EA	12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	737.51	37.58
			<i>For &gt;50 To 100, Deduct</i>	-66.24	
			<i>For &gt;100, Deduct</i>	-101.61	
10 51	26 00-0107	EA	15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	723.07	37.58
			<i>For &gt;50 To 100, Deduct</i>	-64.79	
			<i>For &gt;100, Deduct</i>	-99.44	
10 51	26 00-0108	EA	15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	763.68	37.58
			<i>For &gt;50 To 100, Deduct</i>	-68.85	
			<i>For &gt;100, Deduct</i>	-105.53	
10 51	26 00-0109	EA	15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	783.34	37.58
			<i>For &gt;50 To 100, Deduct</i>	-70.82	
			<i>For &gt;100, Deduct</i>	-108.48	
10 51	26 00-0110	EA	18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	776.48	37.58
			<i>For &gt;50 To 100, Deduct</i>	-70.13	
			<i>For &gt;100, Deduct</i>	-107.45	
10 51	26 00-0111	EA	18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	798.41	37.58
			<i>For &gt;50 To 100, Deduct</i>	-72.33	
			<i>For &gt;100, Deduct</i>	-110.74	
10 51	26 00-0112	EA	18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	869.64	37.58
			<i>For &gt;50 To 100, Deduct</i>	-79.45	
			<i>For &gt;100, Deduct</i>	-121.43	





<b>Specialties</b>	<b>10</b>
<b>Storage Specialties</b>	<b>10 50</b>
<b>Lockers</b>	<b>10 51</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0113 EA 12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	754.55	38.67
For >50 To 100, Deduct	-67.72	
For >100, Deduct	-103.90	
10 51 26 00-0114 EA 12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	779.97	38.67
For >50 To 100, Deduct	-70.26	
For >100, Deduct	-107.71	
10 51 26 00-0115 EA 12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	805.38	38.67
For >50 To 100, Deduct	-72.80	
For >100, Deduct	-111.53	
10 51 26 00-0116 EA 15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	796.49	38.67
For >50 To 100, Deduct	-71.92	
For >100, Deduct	-110.19	
10 51 26 00-0117 EA 15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	814.36	38.67
For >50 To 100, Deduct	-73.70	
For >100, Deduct	-112.87	
10 51 26 00-0118 EA 15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	841.13	38.67
For >50 To 100, Deduct	-76.38	
For >100, Deduct	-116.89	
10 51 26 00-0119 EA 18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	820.56	38.67
For >50 To 100, Deduct	-74.32	
For >100, Deduct	-113.80	
10 51 26 00-0120 EA 18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	851.26	38.67
For >50 To 100, Deduct	-77.39	
For >100, Deduct	-118.41	
10 51 26 00-0121 EA 18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	886.89	38.67
For >50 To 100, Deduct	-80.96	
For >100, Deduct	-123.75	
<b>10 51 26 00-0122 Six Tier Solid Plastic Lockers (10 51 26 00-0001)</b>		
10 51 26 00-0123 EA 15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	796.86	38.12
For >50 To 100, Deduct	-72.06	
For >100, Deduct	-110.38	
10 51 26 00-0124 EA 12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	782.47	39.21
For >50 To 100, Deduct	-70.40	
For >100, Deduct	-107.96	
10 51 26 00-0125 EA 12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	807.85	39.21
For >50 To 100, Deduct	-72.94	
For >100, Deduct	-111.77	
10 51 26 00-0126 EA 12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	824.80	39.21
For >50 To 100, Deduct	-74.64	
For >100, Deduct	-114.31	
10 51 26 00-0127 EA 15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	858.64	39.21
For >50 To 100, Deduct	-78.02	
For >100, Deduct	-119.38	
10 51 26 00-0128 EA 15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	868.53	39.21
For >50 To 100, Deduct	-79.01	
For >100, Deduct	-120.87	
10 51 26 00-0129 EA 15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	875.58	39.21
For >50 To 100, Deduct	-79.72	
For >100, Deduct	-121.93	
10 51 26 00-0130 EA 18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	878.39	39.21
For >50 To 100, Deduct	-80.00	
For >100, Deduct	-122.35	
10 51 26 00-0131 EA 18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	909.43	39.21
For >50 To 100, Deduct	-83.10	
For >100, Deduct	-127.00	
10 51 26 00-0132 EA 18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	950.35	39.21
For >50 To 100, Deduct	-87.19	
For >100, Deduct	-133.14	
<b>10 51 26 00-0133 Solid Plastic Locker Accessories (10 51 26 00-0001)</b>		
<b>10 51 26 00-0134 Slope Tops For Solid Plastic Lockers (10 51 26 00-0133)</b>		
Note: Price per frame.		
10 51 26 00-0135 EA Slope Top For Solid Plastic Lockers (Tufftec Lockers®).....	38.04	
<b>10 51 26 00-0136 Recessed Bases For Solid Plastic Lockers (10 51 26 00-0133)</b>		
Note: Price per frame.		
10 51 26 00-0137 EA Recessed Base For Solid Plastic Lockers (Tufftec Lockers®).....	41.69	
<b>10 51 26 00-0138 End Panels For Solid Plastic Lockers (10 51 26 00-0133)</b>		
Note: Price per frame.		
10 51 26 00-0139 EA End Panel For Solid Plastic Lockers (Tufftec Lockers®).....	94.82	
<b>10 51 26 00-0140 Venting Options For Solid Plastic Locker Doors (10 51 26 00-0133)</b>		
Note: Price per frame.		
10 51 26 00-0141 EA Horizontal Venting Option For Solid Plastic Locker Doors.....	36.64	

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 50</b>	<b>Storage Specialties</b>
	<b>10 51</b>	<b>Lockers</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 51 26 00-0142</b> <b>Filler Panels For Solid Plastic Lockers</b> <small>(10 51 26 00-0133)</small>		
10 51 26 00-0143    EA    Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®).....	100.50	
Note: Full locker height. Width and height cut to size in the field.		
<b>10 51 26 00-0144</b> <b>Locker Accessories For Solid Plastic Lockers</b> <small>(10 51 26 00-0133)</small>		
10 51 26 00-0145    EA    Built In Hasp For Solid Plastic Lockers.....	9.15	
Note: For removable padlocks. Excludes padlock.		
10 51 26 00-0146    EA    Built In Combination Lock For Solid Plastic Lockers.....	27.48	
10 51 26 00-0147    EA    Built In Key Lock For Solid Plastic Lockers.....	36.64	
<b>10 51 53</b> <b>Locker Room Benches</b> <small>(10 51)</small>		
10 51 53 00-0001    LF    9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Aluminum Pedestals.....	119.57	5.45
10 51 53 00-0002    LF    9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Painted Steel Pedestals.....	94.94	5.45
10 51 53 00-0003    LF    9-1/2" Wide Top, 17" To 19" Height, Plastic Laminated Bench With Steel Pedestals.....	146.33	5.45
10 51 53 00-0004    LF    9-1/2" Wide Top, 17" To 19" Height, Solid Plastic Bench With Steel Pedestals.....	139.73	5.45
10 51 53 00-0005    LF    9-1/2" Wide Top, 17" To 19" Height, Aluminum Bench With Aluminum Pedestals.....	108.00	5.45
<b>10 55</b> <b>Postal Specialties</b> <small>(10 50)</small>		
<b>10 55 23</b> <b>Mail Boxes</b> <small>(10 55)</small>		
<b>10 55 23 23</b> <b>Residential Mail Boxes</b> <small>(10 55 23)</small>		
<b>10 55 23 23-0001</b> <b>Residential Mail Boxes</b> <small>(10 55 23 23)</small>		
10 55 23 23-0002    EA    13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate.....	106.99	12.25
For Stainless Steel Sleeve, Add <span style="float: right;">22.58</span>		
10 55 23 23-0003    EA    13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate.....	141.96	12.25
For Stainless Steel Sleeve, Add <span style="float: right;">22.58</span>		
10 55 23 23-0004    EA    Aluminum Or Galvanized Wall Mounted Mailbox.....	85.60	10.90
10 55 23 23-0005    EA    20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post.....	127.39	13.62
<b>10 55 23 26</b> <b>Commercial Mail Boxes</b> <small>(10 55 23)</small>		
<b>10 55 23 26-0001</b> <b>Commercial Letter Boxes</b> <small>(10 55 23 26)</small>		
Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0002    EA    15" Wide x 19" High x 7-1/2" Deep, US Postal Service Approved, Surface Mount, Aluminum Letter Box (Salsbury 2240AU).....	376.68	16.34
10 55 23 26-0003    EA    15" Wide x 19" High x 6-3/4" Deep, Private Use/Access, Recessed Mount, Aluminum Letter Box (Salsbury 2245AP).....	435.65	16.34
<b>10 55 23 26-0004</b> <b>Commercial Horizontal Mail Boxes</b> <small>(10 55 23 26)</small>		
Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0005    BOX    5-1/2" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	75.24	16.34
10 55 23 26-0006    BOX    10-3/4" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	160.63	21.78
10 55 23 26-0007    BOX    6-3/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	97.14	13.62
10 55 23 26-0008    BOX    12-7/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	150.95	21.78
<b>10 55 23 26-0009</b> <b>Commercial Cluster Mail Boxes</b> <small>(10 55 23 26)</small>		
Note: Includes locks and keys unless provided by the United States Postal Service. Includes pedestal. Excludes concrete foundation.		
10 55 23 26-0010    EA    13-15/16 Wide" x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H8MNDCBU5).....	1,937.68	32.68
Note: Any door combination.		
10 55 23 26-0011    EA    26-15/16" Wide x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H16MNDCBU8).....	2,295.61	43.57
Note: Any door combination.		
10 55 23 26-0012    EA    30-1/2" Wide x 62" High x 17-7/8" Deep, 8 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CUB) Cluster Mail Box (AF Florence Vital 1570-8).....	3,089.41	43.57
10 55 23 26-0013    EA    30-1/2" Wide x 62" High x 17-7/8" Deep, 12 Tenant Doors, 1 Parcel Locker, Pedestal Mount, Aluminum And Stainless Steel Construction, (CUB) Cluster Mail Box (AF Florence Vital 1570-12).....	3,187.70	43.57
10 55 23 26-0014    EA    30-1/2" Wide x 62" High x 17-7/8" Deep, 16 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CUB) Cluster Mail Box (AF Florence Vital 1570-16).....	3,335.12	43.57
<b>10 55 23 26-0015</b> <b>Commercial 4C Mail Boxes</b> <small>(10 55 23 26)</small>		
Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0016    EA    31-9/16" Wide x 40-3/4" High x 17" Deep, 9 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11S-09).....	1,683.93	43.57
10 55 23 26-0017    EA    31-9/16" Wide x 40-3/4" High x 17" Deep, 15 Doors, 1 Parcel Locker, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-15).....	2,963.26	43.57
10 55 23 26-0018    EA    31-9/16" Wide x 40-3/4" High x 17" Deep, 19 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-19).....	3,081.21	43.57



<b>Specialties</b>	<b>10</b>	<b>10</b>
Storage Specialties	10 50	
Postal Specialties	10 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**10 55 26 Parcel Lockers** (10 55)

**10 55 26 00-0001 Parcel Lockers** (10 55 26)

10 55 26 00-0002	EA	24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker ..... Note: Two compartments.	1,440.34	32.68
10 55 26 00-0003	EA	48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker ..... Note: Two compartments.	1,712.32	43.57

**10 56 Storage Assemblies** (10 50)

**10 56 13 Metal Storage Shelving** (10 56)

**10 56 13 16 Post-And-Shelf Metal Storage Shelving** (10 56 13)

**10 56 13 16-0001 Baked Enamel Steel Shelving** (10 56 13 16)

**10 56 13 16-0002 7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type** (10 56 13 16-0001)

10 56 13 16-0003	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf ..... <i>For &gt;75" To 87" High, Add</i>	150.58 13.26	20.33
10 56 13 16-0004	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf ..... <i>For &gt;75" To 87" High, Add</i>	150.64 13.16	21.35
10 56 13 16-0005	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf ..... <i>For &gt;75" To 87" High, Add</i>	144.22 12.36	23.39
10 56 13 16-0006	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf ..... <i>For &gt;75" To 87" High, Add</i>	184.32 16.23	25.42
10 56 13 16-0007	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf ..... <i>For &gt;75" To 87" High, Add</i>	206.90 18.34	26.44
10 56 13 16-0008	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf ..... <i>For &gt;75" To 87" High, Add</i>	198.89 17.40	28.47
10 56 13 16-0009	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf ..... <i>For &gt;75" To 87" High, Add</i>	221.26 19.48	30.50

**10 56 13 16-0010 3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed** (10 56 13 16-0001)

Note: Adjustable shelves.				
10 56 13 16-0011	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf.....	109.45	10.37
10 56 13 16-0012	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf.....	108.08	11.08
10 56 13 16-0013	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf.....	121.57	11.79
10 56 13 16-0014	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf.....	126.37	12.51
10 56 13 16-0015	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf.....	145.82	13.32

**10 56 13 16-0016 4 Shelf Unit, 40" High Unit** (10 56 13 16-0001)

10 56 13 16-0017	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf.....	126.55	20.33
10 56 13 16-0018	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf.....	101.97	21.35
10 56 13 16-0019	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf.....	117.18	23.39
10 56 13 16-0020	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf.....	123.45	25.42
10 56 13 16-0021	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf.....	141.40	26.44

**10 56 16 Fabricated Wood Storage Shelving** (10 56)

**10 56 16 00-0001 Shelving** (10 56 16)

**10 56 16 00-0002 Built-In Wood Shelving** (10 56 16 00-0001)

Note: Priced by shelf area. Includes hardware and trim.				
10 56 16 00-0003	SF	Built-in Wood Storage Shelving Post And Trimmed Plywood.....	21.56	2.75
			<i>For Each SF Of Lumber Edge Band, Add</i>	0.69
			<i>For Each SF Of Prefinished Shelves, Add</i>	2.32
10 56 16 00-0004	SF	Built-in Wood Storage Shelving Post And Solid Clear Pine.....	23.24	3.30
			<i>For Each SF Of Lumber Edge Band, Add</i>	0.69
			<i>For Each SF Of Prefinished Shelves, Add</i>	2.32
10 56 16 00-0005	SF	Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod.....	23.55	5.49
			<i>For Each SF Of Lumber Edge Band, Add</i>	0.69
			<i>For Each SF Of Prefinished Shelves, Add</i>	2.32

**10 56 16 00-0006 Wood Shelving, White Pine, Clear Grade, Wall Mounted** (10 56 16 00-0001)

10 56 16 00-0007	LF	1" x 8" White Pine Clear Grade Wood Shelving.....	17.81	6.59
10 56 16 00-0008	LF	1" x 10" White Pine Clear Grade Wood Shelving.....	19.59	7.04
10 56 16 00-0009	LF	1" x 12" White Pine Clear Grade Wood Shelving.....	21.59	7.59
10 56 16 00-0010	SF	Wood Shelving, 2" White Pine Clear Grade.....	28.26	

**10 56 16 00-0011 Plywood Shelf With Edge Band** (10 56 16 00-0001)

10 56 16 00-0012	LF	12" Wide, 3/4" Plywood Shelf With Edge Band.....	21.97	6.59
10 56 16 00-0013	LF	24" Wide, 3/4" Plywood Shelf With Edge Band.....	34.50	8.25

**10 56 16 00-0014 Adjustable Shelf And Rod** (10 56 16 00-0001)

<b>10</b>	<b>Specialties</b>
<b>10 50</b>	<b>Storage Specialties</b>
<b>10 56</b>	<b>Storage Assemblies</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 16 00-0015 EA 12" Wide Adjustable Shelf, 3' To 6' Long ..... Note: Including Rod	199.33	24.73
10 56 16 00-0016 EA 12" Wide Adjustable Shelf, 5' To 8' Long ..... Note: Including Rod	234.63	32.97
<b>10 56 16 00-0017 Prefinished Wood Shelves With Brackets And Supports (10 56 16 00-0001)</b>		
10 56 16 00-0018 LF Prefinished Wood Shelves, 8" Wide, With Brackets And Supports.....	18.92	6.59
10 56 16 00-0019 LF Prefinished Wood Shelves, 10" Wide, With Brackets And Supports.....	20.59	7.04
10 56 16 00-0020 SF Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards.....	66.24	10.99
<b>10 56 16 00-0021 Wood Shelving, Oak, Clear Grade, Wall Mounted (10 56 16 00-0001)</b>		
10 56 16 00-0022 LF Wood Shelving, 1" X 8" Oak Clear Grade.....	21.49	10.33
<b>10 56 17 Wall-Mounted Standards and Shelving (10 56)</b>		
<b>10 56 17 00-0001 Galvanized Steel, Wall Mounted Solid Shelving (10 56 17)</b>		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0002 LF 8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	83.08	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
10 56 17 00-0003 LF 10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	86.04	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
10 56 17 00-0004 LF 12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	92.90	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
10 56 17 00-0005 LF 16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	101.77	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
10 56 17 00-0006 LF 18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	103.96	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
10 56 17 00-0007 LF 24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	122.95	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
<b>10 56 17 00-0008 304 Stainless Steel, Wall Mounted Solid Shelving (10 56 17)</b>		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0009 LF 8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	136.92	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
10 56 17 00-0010 LF 10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	150.36	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
10 56 17 00-0011 LF 12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	163.87	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
10 56 17 00-0012 LF 16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	194.91	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
10 56 17 00-0013 LF 18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	213.28	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
10 56 17 00-0014 LF 24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	239.82	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
<b>10 56 17 00-0015 Laminated Particleboard, Wall Mounted Solid Shelving (10 56 17)</b>		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0016 LF 8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	55.13	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
10 56 17 00-0017 LF 10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	57.13	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
10 56 17 00-0018 LF 12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	59.55	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
10 56 17 00-0019 LF 16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	63.07	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
10 56 17 00-0020 LF 18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	67.32	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
10 56 17 00-0021 LF 24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	78.76	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Storage Specialties	10 50	
Storage Assemblies	10 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 56 17 00-0022</b> <b>Chrome Plated Steel, Wall Mounted Wire Shelving</b> <sup>(10 56 17)</sup> Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0023    LF    14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving.....	81.21	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
10 56 17 00-0024    LF    18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving.....	91.55	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
<b>10 56 17 00-0025</b> <b>Stainless Steel, Wall Mounted Wire Shelving</b> <sup>(10 56 17)</sup> Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0026    LF    14" Depth, Stainless Steel, Wall Mounted Wire Shelving .....	193.65	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
10 56 17 00-0027    LF    18" Depth, Stainless Steel, Wall Mounted Wire Shelving .....	201.57	10.89
For Installation On Concrete Walls, Add	2.27	
For Installation On Concrete Block Walls, Add	3.02	
<b>10 56 17 00-0028</b> <b>Prefinished Hardwood Plywood, Wall Mounted Solid Shelving</b> <sup>(10 56 17)</sup> Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0029    LF    8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving.....	56.34	10.89
For Installation On Concrete Walls, Add	3.46	
For Installation On Concrete Block Walls, Add	4.21	
10 56 17 00-0030    LF    10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving.....	57.68	10.89
For Installation On Concrete Walls, Add	3.48	
For Installation On Concrete Block Walls, Add	4.23	
10 56 17 00-0031    LF    12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving.....	58.53	10.89
For Installation On Concrete Walls, Add	3.51	
For Installation On Concrete Block Walls, Add	4.26	
10 56 17 00-0032    LF    16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving.....	61.66	10.89
For Installation On Concrete Walls, Add	3.56	
For Installation On Concrete Block Walls, Add	4.31	
10 56 17 00-0033    LF    18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving.....	63.26	10.89
For Installation On Concrete Walls, Add	3.58	
For Installation On Concrete Block Walls, Add	4.33	
10 56 17 00-0034    LF    24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving.....	68.06	10.89
For Installation On Concrete Walls, Add	3.66	
For Installation On Concrete Block Walls, Add	4.41	
<b>10 56 17 00-0035</b> <b>Wall Mounted Shelving Accessories</b> <sup>(10 56 17)</sup>		
10 56 17 00-0036    LF    Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit.....	33.29	
<b>10 57    Wardrobe And Closet Specialties</b> <sup>(10 50)</sup>		
<b>10 57 13    Hat And Coat Racks</b> <sup>(10 57)</sup>		
<b>10 57 13 00-0001</b> <b>Hat And Coat Rack</b> <sup>(10 57 13)</sup>		
<b>10 57 13 00-0002</b> <b>Single Tier</b> <sup>(10 57 13 00-0001)</sup>		
10 57 13 00-0003    LF    Single Tier Hat And Coat Rack Baked Enameled Steel.....	69.79	5.45
For Custom Made Units, Add	33.21	
10 57 13 00-0004    LF    Single Tier Hat And Coat Rack Stainless Steel .....	42.31	5.45
For Custom Made Units, Add	16.72	
10 57 13 00-0005    LF    Single Tier Hat And Coat Rack Aluminum .....	95.93	5.45
For Custom Made Units, Add	48.90	
<b>10 57 13 00-0006</b> <b>Double Tier</b> <sup>(10 57 13 00-0001)</sup>		
10 57 13 00-0007    LF    Double Tier Hat And Coat Rack Baked Enameled Steel .....	93.97	5.45
For Custom Made Units, Add	45.68	
10 57 13 00-0008    LF    Double Tier Hat And Coat Rack Stainless Steel .....	48.15	5.45
For Custom Made Units, Add	18.18	
10 57 13 00-0009    LF    Double Tier Hat And Coat Rack Aluminum.....	160.41	5.45
For Custom Made Units, Add	85.54	
<b>10 57 43    Wardrobe Units</b> <sup>(10 57)</sup>		
<b>10 57 43 00-0001</b> <b>Dormitory Wardrobe Units</b> <sup>(10 57 43)</sup>		
10 57 43 00-0002    EA    24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door .....	1,975.27	201.73
For Custom Made Units, Add	1,043.96	
10 57 43 00-0003    EA    24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door.....	1,513.57	201.73
For Custom Made Units, Add	766.94	
<b>10 57 43 00-0004</b> <b>Wardrobe Units</b> <sup>(10 57 43)</sup>		
<b>10 57 43 00-0005</b> <b>Teachers Wardrobe Units</b> <sup>(10 57 43 00-0004)</sup> Note: Includes shelf, clothes pole and mirror, lockable door and hardware.		

**10 Specialties****10 50 Storage Specialties****10 57 Wardrobe And Closet Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 57 43 00-0006 CF Baked Enamel Steel Teacher Wardrobe Unit With Door .....	50.03	3.98
For Open Wardrobe Units Without Door, Deduct	-5.46	
For Custom Made Units, Add	24.46	
10 57 43 00-0007 CF Hardwood Teacher Wardrobe Unit With Door .....	55.74	3.98
For Open Wardrobe Units Without Door, Deduct	-6.17	
For Custom Made Units, Add	27.89	
10 57 43 00-0008 CF Stainless Steel Teacher Wardrobe Unit With Door .....	80.85	3.98
For Open Wardrobe Units Without Door, Deduct	-9.31	
For Custom Made Units, Add	42.95	
10 57 43 00-0009 CF Plastic Laminate Teacher Wardrobe Unit With Door .....	117.14	3.98
For Open Wardrobe Units Without Door, Deduct	-13.85	
For Custom Made Units, Add	64.73	
10 57 43 00-0010 CF Birch Veneer Teacher Wardrobe Unit With Door .....	52.17	3.98
For Open Wardrobe Units Without Door, Deduct	-5.73	
For Custom Made Units, Add	25.74	
10 57 43 00-0011 CF Oak Veneer Teacher Wardrobe Unit With Door .....	70.33	3.98
For Open Wardrobe Units Without Door, Deduct	-8.00	
For Custom Made Units, Add	36.64	
10 57 43 00-0012 CF Walnut Veneer Teacher Wardrobe Unit With Door .....	79.38	3.98
For Open Wardrobe Units Without Door, Deduct	-9.13	
For Custom Made Units, Add	42.07	
<b>10 57 43 00-0013 Students Wardrobe Units</b> <small>(10 57 43 00-0004)</small>		
Note: With continuous shelf, two rows of coat hooks, door and hardware.		
10 57 43 00-0014 CF Baked Enamel Steel Student Wardrobe Unit With Door .....	47.47	3.98
For Open Wardrobe Units Without Door, Deduct	-5.14	
For Custom Made Units, Add	22.92	
10 57 43 00-0015 CF Hardwood Student Wardrobe Unit With Door .....	52.75	3.98
For Open Wardrobe Units Without Door, Deduct	-5.80	
For Custom Made Units, Add	26.09	
10 57 43 00-0016 CF Stainless Steel Student Wardrobe Unit With Door .....	75.97	3.98
For Open Wardrobe Units Without Door, Deduct	-8.70	
For Custom Made Units, Add	40.02	
10 57 43 00-0017 CF Plastic Laminate Student Wardrobe Unit With Door .....	109.54	3.98
For Open Wardrobe Units Without Door, Deduct	-12.90	
For Custom Made Units, Add	60.17	
10 57 43 00-0018 CF Birch Veneer Student Wardrobe Unit With Door .....	49.45	3.98
For Open Wardrobe Units Without Door, Deduct	-5.39	
For Custom Made Units, Add	24.11	
10 57 43 00-0019 CF Oak Veneer Student Wardrobe Unit With Door .....	66.22	3.98
For Open Wardrobe Units Without Door, Deduct	-7.48	
For Custom Made Units, Add	34.17	
10 57 43 00-0020 CF Walnut Veneer Student Wardrobe Unit With Door .....	74.62	3.98
For Open Wardrobe Units Without Door, Deduct	-8.53	
For Custom Made Units, Add	39.21	
<b>10 57 43 00-0021 Materials Cabinet Units</b> <small>(10 57 43 00-0004)</small>		
Note: With multiple shelves, lockable door and hardware.		
10 57 43 00-0022 CF Baked Enamel Steel Materials Cabinet Unit With Door .....	51.57	7.95
10 57 43 00-0023 CF Hardwood Materials Cabinet Unit With Door .....	57.54	7.95
10 57 43 00-0024 CF Stainless Steel Materials Cabinet Unit With Door .....	83.77	7.95
10 57 43 00-0025 CF Plastic Laminate Materials Cabinet Unit With Door .....	121.70	7.95
10 57 43 00-0026 CF Birch Veneer Materials Cabinet Unit With Door .....	53.80	7.95
10 57 43 00-0027 CF Oak Veneer Materials Cabinet Unit With Door .....	72.78	7.95
10 57 43 00-0028 CF Walnut Veneer Materials Cabinet Unit With Door .....	82.24	7.95
<b>10 57 43 00-0029 Accessories</b> <small>(10 57 43 00-0004)</small>		
10 57 43 00-0030 EA Single Prong Wardrobe Closet Hooks .....	53.84	8.17
Note: Height 1 1/8", Width 1 1/8", satin chrome finish, wall mount, 1" projection.		
<b>10 57 43 00-0031 Movable Wardrobe Racks</b> <small>(10 57 43 00-0004)</small>		
10 57 43 00-0032 EA 60" Long x 20" Wide, Movable Wardrobe Rack, 54"-74" Adjustable Height .....	206.79	

**10 70 Exterior Specialties** (10)**10 71 Exterior Protection** (10 70)**10 71 13 Exterior Sun Control Devices** (10 71)**10 71 13 13 Exterior Shutters** (10 71 13)**10 71 13 13-0001 Exterior Shutters, High Impact Resistant Plastic, Unfinished** (10 71 13 13)**10 71 13 13-0002 Raised Panel Decorative Shutters** (10 71 13 13-0001)

10 71 13 13-0003 PR 15" x 35" Raised Panel Shutter, High Impact Resistant Plastic .....	141.05	36.21
For Colored Finish, Add	16.70	
10 71 13 13-0004 PR 15" x 39" Raised Panel Shutter, High Impact Resistant Plastic .....	151.06	37.86
For Colored Finish, Add	18.10	



<b>Specialties</b>	<b>10</b>
<b>Exterior Specialties</b>	<b>10 70</b>
<b>Exterior Protection</b>	<b>10 71</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13 13-0005	PR	15" x 43" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	157.72 18.91	39.51
10 71	13 13-0006	PR	15" x 47" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	168.02 20.37	41.15
10 71	13 13-0007	PR	15" x 51" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	176.88 21.57	42.80
10 71	13 13-0008	PR	15" x 55" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	185.26 22.68	44.45
10 71	13 13-0009	PR	15" x 59" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	196.53 24.31	46.09
10 71	13 13-0010	PR	15" x 63" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	211.34 26.58	47.74
10 71	13 13-0011	PR	15" x 67" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	221.78 28.07	49.39
10 71	13 13-0012	PR	15" x 71" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	233.52 29.78	51.03
10 71	13 13-0013	PR	15" x 75" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	237.55 30.12	52.68
10 71	13 13-0014	PR	15" x 81" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	246.07 31.25	54.33
<b>10 71 13 13-0015 Louvered Decorative Shutters (10 71 13 13-0001)</b>					
10 71	13 13-0016	PR	15" x 25" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	101.20 10.31	32.92
10 71	13 13-0017	PR	15" x 31" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	109.57 11.43	34.57
10 71	13 13-0018	PR	15" x 36" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	117.98 12.54	36.21
10 71	13 13-0019	PR	15" x 39" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	125.66 13.53	37.86
10 71	13 13-0020	PR	15" x 43" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	134.32 14.70	39.51
10 71	13 13-0021	PR	15" x 48" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	143.36 15.93	41.15
10 71	13 13-0022	PR	15" x 52" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	149.58 16.65	42.80
10 71	13 13-0023	PR	15" x 55" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	156.46 17.49	44.45
10 71	13 13-0024	PR	15" x 60" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	165.60 18.75	46.09
10 71	13 13-0025	PR	15" x 64" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	177.78 20.54	47.74
10 71	13 13-0026	PR	15" x 67" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	183.67 21.21	49.39
10 71	13 13-0027	PR	15" x 72" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	198.89 23.55	51.03
10 71	13 13-0028	PR	15" x 75" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	204.73 24.21	52.68
10 71	13 13-0029	PR	15" x 80" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	215.41 25.73	54.33
<b>10 71 13 13-0030 Exterior Spanish Cedar Shutters (10 71 13 13)</b>					
<b>10 71 13 13-0031 12" Width (10 71 13 13-0030)</b>					
10 71	13 13-0032	PR	12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	393.66 150.00	32.92
10 71	13 13-0033	PR	12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	425.48 150.00	36.21
10 71	13 13-0034	PR	12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	455.10 150.00	37.86
10 71	13 13-0035	PR	12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	486.93 150.00	41.15
10 71	13 13-0036	PR	12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	516.56 150.00	42.80
10 71	13 13-0037	PR	12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	550.66 150.00	46.09
10 71	13 13-0038	PR	12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	580.30 150.00	47.74
10 71	13 13-0039	PR	12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	609.92 150.00	49.39
10 71	13 13-0040	PR	12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	641.74 150.00	52.68
<b>10 71 13 13-0041 14" Width (10 71 13 13-0030)</b>					
10 71	13 13-0042	PR	14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	416.52 150.00	32.92
10 71	13 13-0043	PR	14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	452.91 150.00	36.21
10 71	13 13-0044	PR	14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	487.11 150.00	37.86

<b>10</b>	<b>Specialties</b>
<b>10 70</b>	<b>Exterior Specialties</b>
<b>10 71</b>	<b>Exterior Protection</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0045	PR		14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter .....	523.51	41.15
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0046	PR		14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter .....	557.70	42.80
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0047	PR		14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter .....	594.10	46.09
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0048	PR		14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter .....	628.30	47.74
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0049	PR		14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter .....	660.21	49.39
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0050	PR		14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter .....	696.60	52.68
			<i>For Arched Tops, Add</i>	150.00	
<b>10 71 13 13-0051</b>			<b>16" Width</b> <small>(10 71 13 13-0030)</small>		
10 71 13 13-0052	PR		16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter .....	441.66	32.92
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0053	PR		16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter .....	480.34	36.21
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0054	PR		16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter .....	519.11	37.86
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0055	PR		16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter .....	557.80	41.15
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0056	PR		16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter .....	596.57	42.80
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0057	PR		16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter .....	637.53	46.09
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0058	PR		16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter .....	674.02	47.74
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0059	PR		16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter .....	712.79	49.39
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0060	PR		16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter .....	753.75	52.68
			<i>For Arched Tops, Add</i>	150.00	
<b>10 71 13 13-0061</b>			<b>18" Width</b> <small>(10 71 13 13-0030)</small>		
10 71 13 13-0062	PR		18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter .....	464.52	32.92
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0063	PR		18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter .....	507.78	36.21
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0064	PR		18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter .....	551.11	37.86
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0065	PR		18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter .....	594.38	41.15
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0066	PR		18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter .....	635.43	42.80
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0067	PR		18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter .....	680.96	46.09
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0068	PR		18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter .....	722.03	47.74
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0069	PR		18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter .....	765.37	49.39
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0070	PR		18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter .....	808.62	52.68
			<i>For Arched Tops, Add</i>	150.00	
<b>10 71 13 13-0071</b>			<b>20" Width</b> <small>(10 71 13 13-0030)</small>		
10 71 13 13-0072	PR		20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter .....	487.38	32.92
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0073	PR		20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter .....	535.21	36.21
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0074	PR		20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter .....	580.83	37.86
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0075	PR		20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter .....	630.95	41.15
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0076	PR		20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter .....	676.58	42.80
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0077	PR		20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter .....	724.40	46.09
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0078	PR		20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter .....	770.03	47.74
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0079	PR		20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter .....	815.66	49.39
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0080	PR		20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter .....	863.48	52.68
			<i>For Arched Tops, Add</i>	150.00	
<b>10 71 13 13-0081</b>			<b>Heavy Duty Exterior True Louver Shutters, Western Red Cedar</b> <small>(10 71 13 13)</small>		
<b>10 71 13 13-0082</b>			<b>12" Width</b> <small>(10 71 13 13-0081)</small>		
10 71 13 13-0083	PR		12" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar .....	426.05	32.92
			<i>For Arched Tops, Add</i>	150.00	





<b>Specialties</b>	<b>10</b>	<b>10</b>
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0084 PR 12" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	453.68 150.00	34.57
10 71 13 13-0085 PR 12" x 44" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	494.03 150.00	36.21
10 71 13 13-0086 PR 12" x 47" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	521.66 150.00	37.86
10 71 13 13-0087 PR 12" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	562.02 150.00	39.51
10 71 13 13-0088 PR 12" x 56" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	602.37 150.00	41.15
10 71 13 13-0089 PR 12" x 59" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	630.00 150.00	42.80
10 71 13 13-0090 PR 12" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	670.36 150.00	44.45
10 71 13 13-0091 PR 12" x 68" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	710.70 150.00	46.09
10 71 13 13-0092 PR 12" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	751.06 150.00	47.74
10 71 13 13-0093 PR 12" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	778.69 150.00	49.39
10 71 13 13-0094 PR 12" x 80" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	819.04 150.00	51.03
10 71 13 13-0095 PR 12" x 83" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	846.67 150.00	52.68
<b>10 71 13 13-0096 14" Width</b> <small>(10 71 13 13-0081)</small>		
10 71 13 13-0097 PR 14" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	477.63 150.00	32.92
10 71 13 13-0098 PR 14" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	509.50 150.00	34.57
10 71 13 13-0099 PR 14" x 44" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	556.21 150.00	36.21
10 71 13 13-0100 PR 14" x 47" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	588.08 150.00	37.86
10 71 13 13-0101 PR 14" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	634.80 150.00	39.51
10 71 13 13-0102 PR 14" x 56" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	681.51 150.00	41.15
10 71 13 13-0103 PR 14" x 59" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	713.38 150.00	42.80
10 71 13 13-0104 PR 14" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	760.10 150.00	44.45
10 71 13 13-0105 PR 14" x 68" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	806.80 150.00	46.09
10 71 13 13-0106 PR 14" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	853.52 150.00	47.74
10 71 13 13-0107 PR 14" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	885.38 150.00	49.39
10 71 13 13-0108 PR 14" x 80" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	932.10 150.00	51.03
10 71 13 13-0109 PR 14" x 83" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	963.96 150.00	52.68
<b>10 71 13 13-0110 15" Width</b> <small>(10 71 13 13-0081)</small>		
10 71 13 13-0111 PR 15" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	503.42 150.00	32.92
10 71 13 13-0112 PR 15" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	537.41 150.00	34.57
10 71 13 13-0113 PR 15" x 44" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	587.31 150.00	36.21
10 71 13 13-0114 PR 15" x 47" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	621.29 150.00	37.86
10 71 13 13-0115 PR 15" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	671.19 150.00	39.51
10 71 13 13-0116 PR 15" x 56" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	721.08 150.00	41.15
10 71 13 13-0117 PR 15" x 59" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	755.07 150.00	42.80
10 71 13 13-0118 PR 15" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	804.96 150.00	44.45
10 71 13 13-0119 PR 15" x 68" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	854.85 150.00	46.09
10 71 13 13-0120 PR 15" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	904.74 150.00	47.74
10 71 13 13-0121 PR 15" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	938.73 150.00	49.39
10 71 13 13-0122 PR 15" x 80" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	988.63 150.00	51.03
10 71 13 13-0123 PR 15" x 83" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	1,022.60 150.00	52.68

<b>10</b>	<b>Specialties</b>
<b>10 70</b>	<b>Exterior Specialties</b>
<b>10 71</b>	<b>Exterior Protection</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0124			<b>16" Width</b> <small>(10 71 13 13-0081)</small>		
10 71 13 13-0125	PR		16" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar .....	529.21	32.92
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0126	PR		16" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar .....	556.49	34.57
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0127	PR		16" x 44" Louver Shutter, Heavy Duty Red Cedar .....	618.40	36.21
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0128	PR		16" x 47" Louver Shutter, Heavy Duty Red Cedar .....	654.50	37.86
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0129	PR		16" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar .....	707.58	39.51
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0130	PR		16" x 56" Louver Shutter, Heavy Duty Red Cedar .....	760.65	41.15
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0131	PR		16" x 59" Louver Shutter, Heavy Duty Red Cedar .....	796.76	42.80
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0132	PR		16" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar .....	849.83	44.45
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0133	PR		16" x 68" Louver Shutter, Heavy Duty Red Cedar .....	902.90	46.09
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0134	PR		16" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar .....	955.97	47.74
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0135	PR		16" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar .....	992.08	49.39
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0136	PR		16" x 80" Louver Shutter, Heavy Duty Red Cedar .....	1,045.15	51.03
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0137	PR		16" x 83" Louver Shutter, Heavy Duty Red Cedar .....	1,081.25	52.68
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0138			<b>18" Width</b> <small>(10 71 13 13-0081)</small>		
10 71 13 13-0139	PR		18" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar .....	580.80	32.92
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0140	PR		18" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar .....	621.14	34.57
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0141	PR		18" x 44" Louver Shutter, Heavy Duty Red Cedar .....	680.58	36.21
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0142	PR		18" x 47" Louver Shutter, Heavy Duty Red Cedar .....	720.92	37.86
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0143	PR		18" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar .....	780.36	39.51
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0144	PR		18" x 56" Louver Shutter, Heavy Duty Red Cedar .....	839.79	41.15
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0145	PR		18" x 59" Louver Shutter, Heavy Duty Red Cedar .....	880.14	42.80
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0146	PR		18" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar .....	939.57	44.45
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0147	PR		18" x 68" Louver Shutter, Heavy Duty Red Cedar .....	999.00	46.09
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0148	PR		18" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar .....	1,058.43	47.74
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0149	PR		18" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar .....	1,098.78	49.39
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0150	PR		18" x 80" Louver Shutter, Heavy Duty Red Cedar .....	1,158.21	51.03
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0151	PR		18" x 83" Louver Shutter, Heavy Duty Red Cedar .....	1,198.55	52.68
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0152			<b>Exterior Cypress Fixed Louver Wood Shutters</b> <small>(10 71 13 13)</small>		
10 71 13 13-0153			<b>6" Through 8" Width</b> <small>(10 71 13 13-0152)</small>		
10 71 13 13-0154	PR		6" Thru 8" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter.....	529.65	31.27
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0155	PR		6" Thru 8" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter .....	595.71	32.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0156	PR		6" Thru 8" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter .....	661.96	32.92
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0157	PR		6" Thru 8" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter .....	729.19	34.57
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0158	PR		6" Thru 8" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter .....	796.45	36.21
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0159	PR		6" Thru 8" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter .....	863.71	37.86
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0160	PR		6" Thru 8" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter .....	930.95	39.51
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0161	PR		6" Thru 8" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter .....	998.21	41.15
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0162	PR		6" Thru 8" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter .....	1,065.47	42.80
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0163	PR		6" Thru 8" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter .....	1,132.71	44.45
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0164	PR		6" Thru 8" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter .....	1,199.96	46.09
			<i>For Arched Tops, Add</i>	65.00	



<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Exterior Specialties</b>	<b>10 70</b>	
<b>Exterior Protection</b>	<b>10 71</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13 13-0165	PR	6" Thru 8" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter .....	1,267.23	47.74
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0166	PR	6" Thru 8" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter .....	1,334.48	49.39
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0167	PR	6" Thru 8" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter .....	1,401.75	51.03
			<i>For Arched Tops, Add</i>	65.00	
<b>10 71 13 13-0168 10" Through 12" Width</b> <small>(10 71 13 13-0152)</small>					
10 71	13 13-0169	PR	10" Thru 12" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter .....	615.76	31.27
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0170	PR	10" Thru 12" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter .....	693.38	32.16
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0171	PR	10" Thru 12" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter .....	771.02	32.92
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0172	PR	10" Thru 12" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter .....	849.76	34.57
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0173	PR	10" Thru 12" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter .....	928.48	36.21
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0174	PR	10" Thru 12" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter .....	1,007.22	37.86
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0175	PR	10" Thru 12" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter .....	1,085.97	39.51
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0176	PR	10" Thru 12" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter .....	1,164.69	41.15
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0177	PR	10" Thru 12" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter .....	1,243.43	42.80
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0178	PR	10" Thru 12" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter .....	1,322.18	44.45
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0179	PR	10" Thru 12" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter .....	1,400.89	46.09
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0180	PR	10" Thru 12" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter .....	1,479.64	47.74
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0181	PR	10" Thru 12" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter .....	1,558.35	49.39
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0182	PR	10" Thru 12" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter .....	1,637.09	51.03
			<i>For Arched Tops, Add</i>	65.00	
<b>10 71 13 13-0183 14" Through 16" Width</b> <small>(10 71 13 13-0152)</small>					
10 71	13 13-0184	PR	14" Thru 16" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter .....	807.10	31.27
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0185	PR	14" Thru 16" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter .....	910.25	32.16
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0186	PR	14" Thru 16" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter .....	1,013.38	32.92
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0187	PR	14" Thru 16" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter .....	1,117.63	34.57
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0188	PR	14" Thru 16" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter .....	1,221.88	36.21
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0189	PR	14" Thru 16" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter .....	1,326.13	37.86
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0190	PR	14" Thru 16" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter .....	1,430.38	39.51
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0191	PR	14" Thru 16" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter .....	1,534.64	41.15
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0192	PR	14" Thru 16" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter .....	1,536.83	42.80
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0193	PR	14" Thru 16" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter .....	1,743.14	44.45
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0194	PR	14" Thru 16" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter .....	1,847.38	46.09
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0195	PR	14" Thru 16" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter .....	1,951.61	47.74
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0196	PR	14" Thru 16" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter .....	2,055.85	49.39
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0197	PR	14" Thru 16" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter .....	2,160.11	51.03
			<i>For Arched Tops, Add</i>	65.00	
<b>10 71 13 13-0198 18" Through 20" Width</b> <small>(10 71 13 13-0152)</small>					
10 71	13 13-0199	PR	18" Thru 20" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter .....	902.76	31.27
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0200	PR	18" Thru 20" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter .....	1,018.68	32.16
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0201	PR	18" Thru 20" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter .....	1,134.57	32.92
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0202	PR	18" Thru 20" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter .....	1,250.51	34.57
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0203	PR	18" Thru 20" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter .....	1,368.58	36.21
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0204	PR	18" Thru 20" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter .....	1,485.59	37.86
			<i>For Arched Tops, Add</i>	65.00	

<b>10</b>	<b>Specialties</b>
<b>10 70</b>	<b>Exterior Specialties</b>
<b>10 71</b>	<b>Exterior Protection</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0205 PR 18" Thru 20" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter .....	1,602.59	39.51
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0206 PR 18" Thru 20" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter .....	1,719.61	41.15
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0207 PR 18" Thru 20" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter .....	1,836.59	42.80
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0208 PR 18" Thru 20" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter .....	1,953.62	44.45
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0209 PR 18" Thru 20" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter .....	2,070.60	46.09
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0210 PR 18" Thru 20" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter .....	2,187.62	47.74
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0211 PR 18" Thru 20" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter .....	2,304.61	49.39
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0212 PR 18" Thru 20" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter .....	2,421.63	51.03
<i>For Arched Tops, Add</i>	65.00	
<b>10 71 13 13-0213 22" Through 24" Width</b> <small>(10 71 13 13-0152)</small>		
10 71 13 13-0214 PR 22" Thru 24" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter.....	1,189.78	31.27
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0215 PR 22" Thru 24" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter .....	1,343.95	32.16
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0216 PR 22" Thru 24" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter .....	1,498.15	32.92
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0217 PR 22" Thru 24" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter .....	1,653.41	34.57
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0218 PR 22" Thru 24" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter .....	1,808.68	36.21
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0219 PR 22" Thru 24" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter .....	1,963.96	37.86
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0220 PR 22" Thru 24" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter .....	2,119.23	39.51
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0221 PR 22" Thru 24" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter .....	2,274.50	41.15
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0222 PR 22" Thru 24" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter .....	2,429.79	42.80
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0223 PR 22" Thru 24" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter .....	2,585.06	44.45
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0224 PR 22" Thru 24" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter .....	2,740.32	46.09
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0225 PR 22" Thru 24" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter .....	2,895.61	47.74
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0226 PR 22" Thru 24" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter .....	3,050.87	49.39
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0227 PR 22" Thru 24" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter .....	3,206.14	51.03
<i>For Arched Tops, Add</i>	65.00	
<b>10 71 13 13-0228 26" Through 28" Width</b> <small>(10 71 13 13-0152)</small>		
10 71 13 13-0229 PR 26" Thru 28" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter.....	1,361.99	31.27
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0230 PR 26" Thru 28" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter .....	1,539.12	32.16
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0231 PR 26" Thru 28" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter .....	1,716.28	32.92
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0232 PR 26" Thru 28" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter .....	1,894.51	34.57
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0233 PR 26" Thru 28" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter .....	2,072.74	36.21
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0234 PR 26" Thru 28" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter .....	2,250.99	37.86
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0235 PR 26" Thru 28" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter .....	2,429.22	39.51
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0236 PR 26" Thru 28" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter .....	2,607.46	41.15
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0237 PR 26" Thru 28" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter .....	2,785.71	42.80
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0238 PR 26" Thru 28" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter .....	2,963.91	44.45
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0239 PR 26" Thru 28" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter .....	3,142.14	46.09
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0240 PR 26" Thru 28" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter .....	3,320.40	47.74
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0241 PR 26" Thru 28" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter .....	3,498.62	49.39
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0242 PR 26" Thru 28" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter .....	3,676.83	51.03
<i>For Arched Tops, Add</i>	65.00	
<b>10 71 13 13-0243 Pine Louvered Shutters</b> <small>(10 71 13 13)</small>		
<b>10 71 13 13-0244 12" Width</b> <small>(10 71 13 13-0243)</small>		



<b>Specialties</b>	<b>10</b>
Exterior Specialties	10 70
Exterior Protection	10 71

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0245 PR 12" x 35" Pine Louvered Shutter.....	305.93	32.92
For Arched Tops, Add	65.00	
10 71 13 13-0246 PR 12" x 39" Pine Louvered Shutter.....	319.22	34.57
For Arched Tops, Add	65.00	
10 71 13 13-0247 PR 12" x 43" Pine Louvered Shutter.....	332.37	36.21
For Arched Tops, Add	65.00	
10 71 13 13-0248 PR 12" x 47" Pine Louvered Shutter.....	345.57	37.86
For Arched Tops, Add	65.00	
10 71 13 13-0249 PR 12" x 51" Pine Louvered Shutter.....	358.72	39.51
For Arched Tops, Add	65.00	
10 71 13 13-0250 PR 12" x 55" Pine Louvered Shutter.....	371.94	41.15
For Arched Tops, Add	65.00	
10 71 13 13-0251 PR 12" x 59" Pine Louvered Shutter.....	385.17	42.80
For Arched Tops, Add	65.00	
10 71 13 13-0252 PR 12" x 63" Pine Louvered Shutter.....	398.47	44.45
For Arched Tops, Add	65.00	
10 71 13 13-0253 PR 12" x 67" Pine Louvered Shutter.....	411.67	46.09
For Arched Tops, Add	65.00	
10 71 13 13-0254 PR 12" x 71" Pine Louvered Shutter.....	424.91	47.74
For Arched Tops, Add	65.00	
10 71 13 13-0255 PR 12" x 75" Pine Louvered Shutter.....	438.11	49.39
For Arched Tops, Add	65.00	
<b>10 71 13 13-0256 14" Width</b> <small>(10 71 13 13-0243)</small>		
10 71 13 13-0257 PR 14" x 35" Pine Louvered Shutter.....	337.58	32.92
For Arched Tops, Add	65.00	
10 71 13 13-0258 PR 14" x 39" Pine Louvered Shutter.....	352.31	34.57
For Arched Tops, Add	65.00	
10 71 13 13-0259 PR 14" x 43" Pine Louvered Shutter.....	366.82	36.21
For Arched Tops, Add	65.00	
10 71 13 13-0260 PR 14" x 47" Pine Louvered Shutter.....	381.46	37.86
For Arched Tops, Add	65.00	
10 71 13 13-0261 PR 14" x 51" Pine Louvered Shutter.....	396.00	39.51
For Arched Tops, Add	65.00	
10 71 13 13-0262 PR 14" x 55" Pine Louvered Shutter.....	410.50	41.15
For Arched Tops, Add	65.00	
10 71 13 13-0263 PR 14" x 59" Pine Louvered Shutter.....	425.12	42.80
For Arched Tops, Add	65.00	
10 71 13 13-0264 PR 14" x 63" Pine Louvered Shutter.....	439.74	44.45
For Arched Tops, Add	65.00	
10 71 13 13-0265 PR 14" x 67" Pine Louvered Shutter.....	454.27	46.09
For Arched Tops, Add	65.00	
10 71 13 13-0266 PR 14" x 71" Pine Louvered Shutter.....	468.86	47.74
For Arched Tops, Add	65.00	
10 71 13 13-0267 PR 14" x 75" Pine Louvered Shutter.....	483.51	49.39
For Arched Tops, Add	65.00	
<b>10 71 13 13-0268 15" Width</b> <small>(10 71 13 13-0243)</small>		
10 71 13 13-0269 PR 15" x 35" Pine Louvered Shutter.....	353.04	32.92
For Arched Tops, Add	65.00	
10 71 13 13-0270 PR 15" x 39" Pine Louvered Shutter.....	368.30	34.57
For Arched Tops, Add	65.00	
10 71 13 13-0271 PR 15" x 43" Pine Louvered Shutter.....	383.63	36.21
For Arched Tops, Add	65.00	
10 71 13 13-0272 PR 15" x 47" Pine Louvered Shutter.....	398.83	37.86
For Arched Tops, Add	65.00	
10 71 13 13-0273 PR 15" x 51" Pine Louvered Shutter.....	414.13	39.51
For Arched Tops, Add	65.00	
10 71 13 13-0274 PR 15" x 55" Pine Louvered Shutter.....	429.41	41.15
For Arched Tops, Add	65.00	
10 71 13 13-0275 PR 15" x 59" Pine Louvered Shutter.....	444.70	42.80
For Arched Tops, Add	65.00	
10 71 13 13-0276 PR 15" x 63" Pine Louvered Shutter.....	459.94	44.45
For Arched Tops, Add	65.00	
10 71 13 13-0277 PR 15" x 67" Pine Louvered Shutter.....	475.17	46.09
For Arched Tops, Add	65.00	
10 71 13 13-0278 PR 15" x 71" Pine Louvered Shutter.....	490.41	47.74
For Arched Tops, Add	65.00	
10 71 13 13-0279 PR 15" x 75" Pine Louvered Shutter.....	505.71	49.39
For Arched Tops, Add	65.00	
10 71 13 13-0280 PR 15" x 81" Pine Louvered Shutter.....	527.51	51.03
For Arched Tops, Add	65.00	
<b>10 71 13 13-0281 16" Width</b> <small>(10 71 13 13-0243)</small>		
10 71 13 13-0282 PR 16" x 35" Pine Louvered Shutter.....	367.76	32.92
For Arched Tops, Add	65.00	
10 71 13 13-0283 PR 16" x 39" Pine Louvered Shutter.....	384.28	34.57
For Arched Tops, Add	65.00	
10 71 13 13-0284 PR 16" x 43" Pine Louvered Shutter.....	400.97	36.21
For Arched Tops, Add	65.00	

<b>10</b>	<b>Specialties</b>
<b>10 70</b>	<b>Exterior Specialties</b>
<b>10 71</b>	<b>Exterior Protection</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0285 PR 16" x 47" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	417.59 65.00	37.86
10 71 13 13-0286 PR 16" x 51" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	434.24 65.00	39.51
10 71 13 13-0287 PR 16" x 55" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	450.87 65.00	41.15
10 71 13 13-0288 PR 16" x 59" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	467.40 65.00	42.80
10 71 13 13-0289 PR 16" x 63" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	484.08 65.00	44.45
10 71 13 13-0290 PR 16" x 67" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	500.70 65.00	46.09
10 71 13 13-0291 PR 16" x 71" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	517.35 65.00	47.74
10 71 13 13-0292 PR 16" x 75" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	533.97 65.00	49.39
10 71 13 13-0293 PR 16" x 81" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	550.51 65.00	51.03
<b>10 71 13 13-0294 18" Width</b> <small>(10 71 13 13-0243)</small>		
10 71 13 13-0295 PR 18" x 35" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	400.14 65.00	32.92
10 71 13 13-0296 PR 18" x 39" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	421.53 65.00	34.57
10 71 13 13-0297 PR 18" x 47" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	458.33 65.00	37.86
10 71 13 13-0298 PR 18" x 55" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	495.24 65.00	41.15
10 71 13 13-0299 PR 18" x 63" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	532.10 65.00	44.45
10 71 13 13-0300 PR 18" x 75" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	611.75 65.00	49.39
10 71 13 13-0301 PR 18" x 81" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	634.27 65.00	51.03
<b>10 71 13 13-0302 Exterior Cedar Board N' Batten Wood Shutters</b> <small>(10 71 13 13)</small>		
<b>10 71 13 13-0303 8" Through 14" Width</b> <small>(10 71 13 13-0302)</small>		
10 71 13 13-0304 PR 8" Thru 14" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	603.76 65.00	31.27
10 71 13 13-0305 PR 8" Thru 14" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	792.22 65.00	32.16
10 71 13 13-0306 PR 8" Thru 14" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	793.32 65.00	32.92
10 71 13 13-0307 PR 8" Thru 14" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	982.87 65.00	34.57
10 71 13 13-0308 PR 8" Thru 14" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	985.07 65.00	36.21
10 71 13 13-0309 PR 8" Thru 14" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	987.26 65.00	37.86
10 71 13 13-0310 PR 8" Thru 14" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,176.81 65.00	39.51
10 71 13 13-0311 PR 8" Thru 14" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,179.01 65.00	41.15
10 71 13 13-0312 PR 8" Thru 14" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,181.20 65.00	42.80
10 71 13 13-0313 PR 8" Thru 14" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,370.75 65.00	44.45
10 71 13 13-0314 PR 8" Thru 14" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,372.94 65.00	46.09
10 71 13 13-0315 PR 8" Thru 14" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,562.50 65.00	47.74
10 71 13 13-0316 PR 8" Thru 14" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,564.69 65.00	49.39
10 71 13 13-0317 PR 8" Thru 14" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,566.89 65.00	51.03
10 71 13 13-0318 PR 8" Thru 14" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,569.08 65.00	52.68
<b>10 71 13 13-0319 15" Through 16" Width</b> <small>(10 71 13 13-0302)</small>		
10 71 13 13-0320 PR 15" Thru 16" Width x Through 30" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	791.12 65.00	31.27
10 71 13 13-0321 PR 15" Thru 16" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	792.22 65.00	32.16
10 71 13 13-0322 PR 15" Thru 16" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	980.68 65.00	32.92
10 71 13 13-0323 PR 15" Thru 16" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	982.87 65.00	34.57
10 71 13 13-0324 PR 15" Thru 16" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	1,172.42 65.00	36.21



<b>Specialties</b>	<b>10</b>	<b>10</b>
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13 13-0325	PR	15" Thru 16" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,174.61 65.00	37.86
10 71	13 13-0326	PR	15" Thru 16" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,176.81 65.00	39.51
10 71	13 13-0327	PR	15" Thru 16" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,366.36 65.00	41.15
10 71	13 13-0328	PR	15" Thru 16" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,368.55 65.00	42.80
10 71	13 13-0329	PR	15" Thru 16" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,558.11 65.00	44.45
10 71	13 13-0330	PR	15" Thru 16" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,560.30 65.00	46.09
10 71	13 13-0331	PR	15" Thru 16" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,749.86 65.00	47.74
10 71	13 13-0332	PR	15" Thru 16" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,752.05 65.00	49.39
10 71	13 13-0333	PR	15" Thru 16" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,941.60 65.00	51.03
10 71	13 13-0334	PR	15" Thru 16" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,943.78 65.00	52.68
<b>10 71 13 13-0335 17" Through 18" Width</b> <small>(10 71 13 13-0302)</small>					
10 71	13 13-0336	PR	17" Thru 18" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	791.12 65.00	31.27
10 71	13 13-0337	PR	17" Thru 18" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	979.58 65.00	32.16
10 71	13 13-0338	PR	17" Thru 18" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	980.68 65.00	32.92
10 71	13 13-0339	PR	17" Thru 18" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,170.22 65.00	34.57
10 71	13 13-0340	PR	17" Thru 18" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,172.42 65.00	36.21
10 71	13 13-0341	PR	17" Thru 18" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,361.96 65.00	37.86
10 71	13 13-0342	PR	17" Thru 18" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,364.16 65.00	39.51
10 71	13 13-0343	PR	17" Thru 18" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,553.72 65.00	41.15
10 71	13 13-0344	PR	17" Thru 18" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,555.91 65.00	42.80
10 71	13 13-0345	PR	17" Thru 18" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,745.47 65.00	44.45
10 71	13 13-0346	PR	17" Thru 18" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,747.66 65.00	46.09
10 71	13 13-0347	PR	17" Thru 18" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,937.21 65.00	47.74
10 71	13 13-0348	PR	17" Thru 18" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,939.40 65.00	49.39
10 71	13 13-0349	PR	17" Thru 18" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,128.95 65.00	51.03
10 71	13 13-0350	PR	17" Thru 18" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,131.13 65.00	52.68
<b>10 71 13 13-0351 19" Through 20" Width</b> <small>(10 71 13 13-0302)</small>					
10 71	13 13-0352	PR	19" Thru 20" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	978.48 65.00	31.27
10 71	13 13-0353	PR	19" Thru 20" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	979.58 65.00	32.16
10 71	13 13-0354	PR	19" Thru 20" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,168.03 65.00	32.92
10 71	13 13-0355	PR	19" Thru 20" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,170.22 65.00	34.57
10 71	13 13-0356	PR	19" Thru 20" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,359.77 65.00	36.21
10 71	13 13-0357	PR	19" Thru 20" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,361.96 65.00	37.86
10 71	13 13-0358	PR	19" Thru 20" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,551.52 65.00	39.51
10 71	13 13-0359	PR	19" Thru 20" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,741.08 65.00	41.15
10 71	13 13-0360	PR	19" Thru 20" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,743.27 65.00	42.80
10 71	13 13-0361	PR	19" Thru 20" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,932.82 65.00	44.45
10 71	13 13-0362	PR	19" Thru 20" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,935.01 65.00	46.09
10 71	13 13-0363	PR	19" Thru 20" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,124.56 65.00	47.74
10 71	13 13-0364	PR	19" Thru 20" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,126.75 65.00	49.39
10 71	13 13-0365	PR	19" Thru 20" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	2,316.31 65.00	51.03

**10 Specialties**  
**10 70 Exterior Specialties**  
**10 71 Exterior Protection**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0366	PR	19"	Thru 20" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	2,318.49 65.00	52.68
<b>10 71 13 13-0367</b>			<b>21" Through 22" Width</b> <small>(10 71 13 13-0302)</small>		
10 71 13 13-0368	PR	21"	Thru 22" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	978.48 65.00	31.27
10 71 13 13-0369	PR	21"	Thru 22" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	979.58 65.00	32.16
10 71 13 13-0370	PR	21"	Thru 22" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,168.03 65.00	32.92
10 71 13 13-0371	PR	21"	Thru 22" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,357.57 65.00	34.57
10 71 13 13-0372	PR	21"	Thru 22" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,359.77 65.00	36.21
10 71 13 13-0373	PR	21"	Thru 22" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,549.32 65.00	37.86
10 71 13 13-0374	PR	21"	Thru 22" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,551.52 65.00	39.51
10 71 13 13-0375	PR	21"	Thru 22" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,741.08 65.00	41.15
10 71 13 13-0376	PR	21"	Thru 22" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,930.62 65.00	42.80
10 71 13 13-0377	PR	21"	Thru 22" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,932.82 65.00	44.45
10 71 13 13-0378	PR	21"	Thru 22" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	2,122.36 65.00	46.09
10 71 13 13-0379	PR	21"	Thru 22" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	2,124.56 65.00	47.74
10 71 13 13-0380	PR	21"	Thru 22" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	2,314.11 65.00	49.39
10 71 13 13-0381	PR	21"	Thru 22" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	2,316.31 65.00	51.03
10 71 13 13-0382	PR	21"	Thru 22" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	2,318.49 65.00	52.68
<b>10 71 13 13-0383</b>			<b>22" Through 24" Width</b> <small>(10 71 13 13-0302)</small>		
10 71 13 13-0384	PR	22"	Thru 24" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	978.48 65.00	31.27
10 71 13 13-0385	PR	22"	Thru 24" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,166.93 65.00	32.16
10 71 13 13-0386	PR	22"	Thru 24" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,168.03 65.00	32.92
10 71 13 13-0387	PR	22"	Thru 24" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,357.57 65.00	34.57
10 71 13 13-0388	PR	22"	Thru 24" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,547.13 65.00	36.21
10 71 13 13-0389	PR	22"	Thru 24" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,549.32 65.00	37.86
10 71 13 13-0390	PR	22"	Thru 24" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,738.88 65.00	39.51
10 71 13 13-0391	PR	22"	Thru 24" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,741.08 65.00	41.15
10 71 13 13-0392	PR	22"	Thru 24" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	1,930.62 65.00	42.80
10 71 13 13-0393	PR	22"	Thru 24" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	2,120.17 65.00	44.45
10 71 13 13-0394	PR	22"	Thru 24" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	2,122.36 65.00	46.09
10 71 13 13-0395	PR	22"	Thru 24" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	2,311.92 65.00	47.74
10 71 13 13-0396	PR	22"	Thru 24" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	2,314.11 65.00	49.39
10 71 13 13-0397	PR	22"	Thru 24" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	2,503.67 65.00	51.03
10 71 13 13-0398	PR	22"	Thru 24" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter ..... <i>For Arched Tops, Add</i>	2,505.85 65.00	52.68
<b>10 71 13 13-0399</b>			<b>Accessories</b> <small>(10 71 13 13)</small>		
10 71 13 13-0400	PR		Surface Mounted Pintel, Stainless Steel .....	66.84	
10 71 13 13-0401	PR		Lag Pintel, Stainless Steel .....	66.84	
10 71 13 13-0402	PR		10" Strap Hinge, Stainless Steel .....	100.34	
10 71 13 13-0403	PR		6" L-Hinge, Stainless Steel .....	92.66	
10 71 13 13-0404	PR		Hinge Set, Galvanized And Painted.....	83.86	
10 71 13 13-0405	PR		Acorn Holdback.....	77.86	
10 71 13 13-0406	PR		'S' Holdback, Stainless Steel.....	65.44	
10 71 13 13-0407	PR		'S' Holdback, Galvanized And Painted.....	61.61	

**10 73 Protective Covers** (10 70)





<b>Specialties</b>	<b>10</b>	<b>10</b>
Exterior Specialties	10 70	
Protective Covers	10 73	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**10 73 13 Awnings** (10 73)

**10 73 13 13 Metal Awnings** (10 73 13)

**10 73 13 13-0001 Metal Awnings** (10 73 13 13)

Note: Includes metal cover, frame supports and anchoring.

10 73 13 13-0002	SF	Clear Weather Resistant Finish, Ribbed Aluminum Window Awnings.....	54.01	8.46
10 73 13 13-0003	SF	Baked Enamel Finish, Ribbed Aluminum Window Awning.....	47.84	7.58
10 73 13 13-0004	SF	Flat Roofed Steel Awning.....	243.20	8.79
		Note: Per SF of covered area		
10 73 13 13-0005	SF	Arched Roofed Steel Awning (Per SF Of Covered Area).....	250.91	9.88

**10 73 13 23 Fabric Awnings** (10 73 13)

**10 73 13 23-0001 Canvas Awnings** (10 73 13 23)

Note: Includes minimum 12 oz. canvas, frame supports and anchoring.

10 73 13 23-0002	SF	Canvas Awning, Waterproof Fabric Tubular Metal Framing.....	52.21	7.50
10 73 13 23-0003	SF	Side Protection Canvas For Walkways (Per SF Of Wall Area).....	29.10	2.42
10 73 13 23-0004	SF	Removal And Replacement Of Canvas For Awnings.....	26.32	
		Note: Includes removal of existing canvas cover.		
		For 18 Oz. Vinyl Laminated Polyester Cover, Add	0.88	

**10 73 16 Canopies** (10 73)

**10 73 16 13 Metal Canopies** (10 73 16)

**10 73 16 13-0001 Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished** (10 73 16 13)

Note: Includes cover, frame supports and anchoring.

10 73 16 13-0002	EA	8' x 10' Canopy, Aluminum, Wall Hung.....	5,191.26	565.61
10 73 16 13-0003	EA	8' x 20' Canopy, Aluminum, Wall Hung.....	9,425.81	905.19
10 73 16 13-0004	EA	10' x 10' Canopy, Aluminum, Wall Hung.....	6,406.45	707.70
10 73 16 13-0005	EA	10' x 20' Canopy, Aluminum, Wall Hung.....	11,249.40	946.34

**10 73 26 Walkway Coverings** (10 73)

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

**10 73 26 13 Metal Walkway Coverings** (10 73 26)

**10 73 26 13-0001 Steel Walkway/Parking Covers** (10 73 26 13)

Note: Factory applied polyester finish.

10 73 26 13-0002	SF	Flat Roofed Steel Walkway/Parking Cover.....	121.37	7.85
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	42.26	
		For Wind Load (140 MPH), Add	52.83	
10 73 26 13-0003	SF	Arch Roofed Steel Walkway/Parking Cover.....	129.19	8.46
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	44.91	
		For Wind Load (140 MPH), Add	56.14	

**10 73 26 13-0004 Aluminum Walkway/Parking Covers** (10 73 26 13)

10 73 26 13-0005	SF	Flat Roofed Aluminum Walkway/Parking Cover.....	48.65	7.85
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	13.18	
		For Wind Load (140 MPH), Add	16.47	
10 73 26 13-0006	SF	Arch Roofed Aluminum Walkway/Parking Cover.....	52.86	8.46
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	14.38	
		For Wind Load (140 MPH), Add	17.97	

**10 75 Flagpoles** (10 70)

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

**10 75 16 Ground-Set Flagpoles** (10 75)

**10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles** (10 75 16)

10 75 16 00-0002	EA	25' Exposed Height, Tapered White Fiberglass Flagpole.....	2,975.41	923.22
		Note: 6" butt diameter, 3" top diameter and 0.180" wall.		
		For Internal Halyard, Cam System, Add	300.00	
		For Bronze Finish, Add	20.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0003	EA	30' Exposed Height, Tapered White Fiberglass Flagpole.....	3,195.39	1,007.16
		Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.		
		For Internal Halyard, Cam System, Add	300.00	
		For Bronze Finish, Add	50.00	
		For Rope Lock Box, Add	96.00	

<b>10</b>	<b>Specialties</b>
<b>10 70</b>	<b>Exterior Specialties</b>
<b>10 75</b>	<b>Flagpoles</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0004 EA 35' Exposed Height, Tapered White Fiberglass Flagpole ..... Note: 7" butt diameter, 3" top diameter and 0.200" wall. <i>For Internal Halyard, Cam System, Add</i> <i>For Rope Lock Box, Add</i>	3,952.81 300.00 96.00	1,175.01
10 75 16 00-0005 EA 40' Exposed Height, Tapered White Fiberglass Flagpole ..... Note: 7" butt diameter, 3" top diameter and 0.200" wall. <i>For Internal Halyard, Cam System, Add</i> <i>For Rope Lock Box, Add</i>	4,571.34 300.00 96.00	1,342.87
10 75 16 00-0006 EA 50' Exposed Height, Tapered White Fiberglass Flagpole ..... Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Bronze Finish, Add</i> <i>For Rope Lock Box, Add</i>	7,749.19 1,700.00 200.00 96.00	1,510.73
10 75 16 00-0007 EA 60' Exposed Height, Tapered White Fiberglass Flagpole ..... Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Bronze Finish, Add</i> <i>For Rope Lock Box, Add</i>	9,134.86 1,900.00 160.00 96.00	1,678.59
10 75 16 00-0008 EA 70' Exposed Height, Tapered White Fiberglass Flagpole ..... Note: 16" butt diameter, 7" top diameter and 0.325" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Bronze Finish, Add</i> <i>For Rope Lock Box, Add</i>	14,951.37 2,860.00 700.00 96.00	1,846.45
10 75 16 00-0009 EA 78' Exposed Height, Tapered White Fiberglass Flagpole ..... Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Bronze Finish, Add</i> <i>For Rope Lock Box, Add</i>	19,088.13 2,900.00 900.00 96.00	2,014.31
<b>10 75 16 00-0010 Free Standing Tapered Aluminum Flagpoles</b> <small>(10 75 16)</small> Note: Heavy duty.		
10 75 16 00-0011 EA 20' Exposed Height, Tapered Satin Aluminum Flagpole ..... Note: 5" butt diameter, 3" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	2,974.63 570.00 150.00 180.00 230.00 96.00	839.30
10 75 16 00-0012 EA 25' Exposed Height, Tapered Satin Aluminum Flagpole ..... Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	3,513.29 1,100.00 200.00 230.00 320.00 96.00	923.22
10 75 16 00-0013 EA 30' Exposed Height, Tapered Satin Aluminum Flagpole ..... Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	3,893.26 1,390.00 240.00 290.00 400.00 96.00	1,007.16
10 75 16 00-0014 EA 35' Exposed Height, Tapered Satin Aluminum Flagpole ..... Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	4,907.10 1,340.00 290.00 360.00 480.00 96.00	1,175.01
10 75 16 00-0015 EA 40' Exposed Height, Tapered Satin Aluminum Flagpole ..... Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	6,026.73 1,490.00 390.00 480.00 660.00 96.00	1,342.87
10 75 16 00-0016 EA 45' Exposed Height, Tapered Satin Aluminum Flagpole ..... Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	6,650.01 1,340.00 400.00 500.00 700.00 96.00	1,426.80
10 75 16 00-0017 EA 50' Exposed Height, Tapered Satin Aluminum Flagpole ..... Note: 10" butt diameter, 4" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	8,257.12 1,380.00 700.00 860.00 1,130.00 96.00	1,510.73



<b>Specialties</b>	<b>10</b>
<b>Exterior Specialties</b>	<b>10 70</b>
<b>Flagpoles</b>	<b>10 75</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0018 EA 60' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	13,830.38  1,800.00 620.00 820.00 1,160.00 96.00	1,678.59
10 75 16 00-0019 EA 70' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	15,140.43  1,720.00 710.00 950.00 1,360.00 96.00	1,846.45
10 75 16 00-0020 EA 80' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.375" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	18,830.68  2,600.00 1,100.00 1,380.00 1,840.00 96.00	2,014.31
<b>10 75 16 00-0021 Flagpole Bases (10 75 16)</b>		
<b>10 75 16 00-0022 Flagpole Concrete Base (10 75 16 00-0021)</b> Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.		
10 75 16 00-0023 EA 30' Or Less Flagpole, Poured Concrete Foundation .....	1,377.20	
10 75 16 00-0024 EA 35' Flagpole, Poured Concrete Foundation .....	1,422.98	
10 75 16 00-0025 EA 40' Flagpole, Poured Concrete Foundation .....	1,638.41	
10 75 16 00-0026 EA 45' Flagpole, Poured Concrete Foundation .....	1,732.77	
10 75 16 00-0027 EA 50' Flagpole, Poured Concrete Foundation .....	2,076.20	
10 75 16 00-0028 EA 60' Flagpole, Poured Concrete Foundation .....	2,516.25	
10 75 16 00-0029 EA 70' Flagpole, Poured Concrete Foundation .....	2,972.96	
10 75 16 00-0030 EA 80' Flagpole, Poured Concrete Foundation .....	3,456.54	
10 75 16 00-0031 EA 90' To 100' Flagpole, Poured Concrete Foundation.....	4,028.53	
<b>10 75 16 00-0032 Direct Embedded Flagpole Base (10 75 16 00-0021)</b> Note: Augured in place, no concrete required.		
10 75 16 00-0033 EA 20' To 25' Flagpole, Direct Embedded Pole Base.....	652.78	
10 75 16 00-0034 EA 30' To 40' Flagpole, Direct Embedded Pole Base.....	937.07	
10 75 16 00-0035 EA 45' To 55' Flagpole, Direct Embedded Pole Base.....	1,045.95	
10 75 16 00-0036 EA 60' To 70' Flagpole, Direct Embedded Pole Base.....	1,178.36	
<b>10 75 16 00-0037 Flagpole Accessories (10 75 16)</b>		
<b>10 75 16 00-0038 Flagpole Tops (10 75 16 00-0037)</b> Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0039 EA 4" Gold Anodized Aluminum Ball For Top Of Flagpole .....	122.24	46.32
10 75 16 00-0040 EA 5" Gold Anodized Aluminum Ball For Top Of Flagpole .....	132.98	49.04
10 75 16 00-0041 EA 6" Gold Anodized Aluminum Ball For Top Of Flagpole .....	147.95	51.77
10 75 16 00-0042 EA 8" Gold Anodized Aluminum Ball For Top Of Flagpole .....	189.37	54.48
10 75 16 00-0043 EA 10" Gold Anodized Aluminum Ball For Top Of Flagpole .....	245.60	57.21
10 75 16 00-0044 EA 12" Gold Anodized Aluminum Ball For Top Of Flagpole .....	273.27	59.93
10 75 16 00-0045 EA 11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	251.05	59.93
10 75 16 00-0046 EA 15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	291.73	68.11
10 75 16 00-0047 EA 7" Bronze Eagle Mounted On Spindle Rod.....	154.17	59.93
<b>10 75 16 00-0048 Flagpole Accessories (10 75 16 00-0037)</b> Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0049 LF 5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	1.31	0.08
10 75 16 00-0050 LF 5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles.....	0.64	0.08
10 75 16 00-0051 LF 5/16" Diameter, Nylon Halyard (Rope) For Flagpoles.....	0.50	0.08
10 75 16 00-0052 LF 3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	1.75	0.08
10 75 16 00-0053 EA Refinish Existing Flagpole Ball.....	365.31	136.16
10 75 16 00-0054 EA Locking Aluminum Cleat Box For Flagpoles .....	294.63	81.69
10 75 16 00-0055 EA Aluminum Cleat For Flagpoles.....	24.32	5.45
10 75 16 00-0056 LF 1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles.....	0.70	0.10
<b>10 75 23 Wall-Mounted Flagpoles (10 75)</b>		
<b>10 75 23 00-0001 Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles (10 75 23)</b> Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.		
10 75 23 00-0002 EA 14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole .....	2,075.44	736.22
<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0003 EA 17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole .....	2,254.42	809.84
<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0004 EA 20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole .....	2,443.98	883.47
<i>For Rope Lock Box, Add</i>	96.00	

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 70</b>	<b>Exterior Specialties</b>
	<b>10 75</b>	<b>Flagpoles</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 23 00-0005 EA 25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole..... <i>For Rope Lock Box, Add</i>	2,833.68 96.00	1,030.72
<b>10 75 23 00-0006 Outrigger, Wall Mounted Tapered Aluminum Flagpoles (10 75 23)</b> Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.		
10 75 23 00-0007 EA 10', Wall Mounted, Aluminum Outrigger Flagpole With Bracket..... <i>For Rope Lock Box, Add</i>	2,636.96 96.00	662.60
10 75 23 00-0008 EA 15', Wall Mounted, Aluminum Outrigger Flagpole With Bracket..... <i>For Rope Lock Box, Add</i>	2,847.68 96.00	736.22
10 75 23 00-0009 EA 20', Wall Mounted, Aluminum Outrigger Flagpole With Bracket..... <i>For Rope Lock Box, Add</i>	3,184.49 96.00	883.47
<b>10 80 Other Specialties (10)</b>		
<b>10 81 Pest Control Devices (10 80)</b>		
<b>10 81 13 Bird Control Devices (10 81)</b>		
<b>10 81 13 00-0001 Stainless Steel Spiked Bird Barrier (10 81 13)</b> Note: Stainless steel spikes with flexible polycarbonate base.		
10 81 13 00-0002 LF 2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System .....	9.70	0.88
10 81 13 00-0003 LF 4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System .....	11.71	0.88
10 81 13 00-0004 LF 8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	17.33	0.88
<b>10 81 13 00-0005 Polycarbonate Spiked Bird Barrier (10 81 13)</b> Note: Polycarbonate spikes and base.		
10 81 13 00-0006 LF 3" Wide Polycarbonate Spikes And Base Bird Deterrent System .....	8.94	0.88
10 81 13 00-0007 LF 5" Wide Polycarbonate Spikes And Base Bird Deterrent System .....	10.85	0.88
10 81 13 00-0008 LF 8" Wide Polycarbonate Spikes And Base Bird Deterrent System .....	12.93	0.88
<b>10 81 13 00-0009 Spiked Gutter Or Girder Bird Barrier (10 81 13)</b> Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.		
10 81 13 00-0010 LF Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application .....	10.35	0.88
<b>10 81 13 00-0011 Coil Bird Barrier (10 81 13)</b> Note: Stainless steel coil.		
10 81 13 00-0012 LF 4" Diameter Stainless Steel Coil Bird Deterrent System .....	7.20	0.88
10 81 13 00-0013 LF 5" Diameter Stainless Steel Coil Bird Deterrent System .....	8.55	0.88
<b>10 81 13 00-0014 Spider Bird Barrier (10 81 13)</b> Note: Stainless steel arms with various bases.		
10 81 13 00-0015 EA 2' Diameter Stainless Steel Spider Bird Deterrent System.....	124.01	0.88
10 81 13 00-0016 EA 4' Diameter Stainless Steel Spider Bird Deterrent System.....	183.54	0.88
10 81 13 00-0017 EA 8' Diameter Stainless Steel Spider Bird Deterrent System.....	231.98	0.88
<b>10 81 13 00-0018 Oriented Flexible Flame Resistant Netting (10 81 13)</b> Note: Includes stainless steel rings and plastic ties.		
10 81 13 00-0019 SF 1/8" x 1/8" Mesh Flexible Polypropylene Netting.....	0.91	0.32
10 81 13 00-0020 SF 1/4" x 1/4" Mesh Flexible Polypropylene Netting..... Note: To control bird and marine predators.	0.88	0.32
10 81 13 00-0021 SF 1/2" x 1/2" Mesh Flexible Polypropylene Netting..... Note: To control bird and marine predators.	0.84	0.32
10 81 13 00-0022 SF 3/4" x 3/4" Mesh Flexible Polypropylene Netting..... Note: To control bird and marine predators.	0.81	0.32
10 81 13 00-0023 SF 1" x 1" Mesh Flexible Polypropylene Netting..... Note: To control bird and marine predators.	0.81	0.32
10 81 13 00-0024 SF 1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting .....	0.79	0.32
10 81 13 00-0025 SF 2" x 2" Mesh Flexible Polypropylene Netting..... Note: To control bird and marine predators.	0.77	0.32
10 81 13 00-0026 SF 3" x 3" Mesh Flexible Polypropylene Netting..... Note: To control bird and marine predators.	0.77	0.32
10 81 13 00-0027 SF 4" x 4" Mesh Flexible Polypropylene Netting..... Note: To control bird and marine predators.	0.74	0.32
10 81 13 00-0028 SF 5/8" x 3/4" Mesh Flexible Polypropylene Netting..... Note: To control bird and marine predators.	0.83	0.32
10 81 13 00-0029 SF 1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting .....	0.78	0.32
10 81 13 00-0030 EA Poly Clips For Flexible Netting.....	2.81	
<b>10 81 13 00-0031 Netting Accessories (10 81 13)</b>		
10 81 13 00-0032 EA 2' Zipper For Flexible Netting.....	8.45	



<b>Specialties</b>	<b>10</b>
Other Specialties	10 80
Pest Control Devices	10 81

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 81 13 00-0033	EA	4' Zipper For Flexible Netting.....	12.73	
10 81 13 00-0034	EA	6' Zipper For Flexible Netting.....	14.98	
10 81 13 00-0035	EA	8' Zipper For Flexible Netting.....	21.29	

**10 81 16 Insect Control Devices (10 81)**

10 81 16 00-0001		<b>Insect Screening (10 81 16)</b>		
10 81 16 00-0002	CSF	17/14 Mesh Insect Screening With Flat Screen Splines .....	128.28	

**10 86 Security Mirrors And Domes (10 80)**

**10 86 00 00-0001 Dome Mirrors (10 86)**  
 Note: Includes all mounting hardware. Indoor or outdoor applications.

10 86 00 00-0002		<b>Steel Dome Mirrors (10 86 00 00-0001)</b>		
10 86 00 00-0003	EA	9" Diameter Full-Dome Steel Dome Mirror .....	289.62	21.79
10 86 00 00-0004	EA	12" Diameter Full-Dome Steel Dome Mirror .....	341.01	22.88
10 86 00 00-0005	EA	18" Diameter Full-Dome Steel Dome Mirror .....	394.56	25.07
10 86 00 00-0006	EA	24" Diameter Full-Dome Steel Dome Mirror .....	527.29	27.24
10 86 00 00-0007	EA	9" Diameter Half-Dome Steel Dome Mirror .....	207.27	16.35
10 86 00 00-0008	EA	12" Diameter Half-Dome Steel Dome Mirror .....	239.41	17.43
10 86 00 00-0009	EA	18" Diameter Half-Dome Steel Dome Mirror .....	279.89	19.07
10 86 00 00-0010	EA	24" Diameter Half-Dome Steel Dome Mirror .....	390.13	20.71

**10 86 00 00-0011 Plexiglas Dome Mirrors (10 86 00 00-0001)**

10 86 00 00-0012	EA	18" Diameter Full-Dome Plexiglas Dome Mirror .....	224.48	25.07
10 86 00 00-0013	EA	26" Diameter Full-Dome Plexiglas Dome Mirror .....	317.63	27.24
10 86 00 00-0014	EA	32" Diameter Full-Dome Plexiglas Dome Mirror .....	420.49	31.60
10 86 00 00-0015	EA	36" Diameter Full-Dome Plexiglas Dome Mirror .....	508.44	38.14
10 86 00 00-0016	EA	48" Diameter Full-Dome Plexiglas Dome Mirror .....	742.23	54.48
10 86 00 00-0017	EA	18" Diameter Half-Dome Plexiglas Dome Mirror .....	137.19	19.07
10 86 00 00-0018	EA	26" Diameter Half-Dome Plexiglas Dome Mirror .....	185.39	20.71
10 86 00 00-0019	EA	32" Diameter Half-Dome Plexiglas Dome Mirror .....	244.56	23.97
10 86 00 00-0020	EA	36" Diameter Half-Dome Plexiglas Dome Mirror .....	301.65	28.87
10 86 00 00-0021	EA	48" Diameter Half-Dome Plexiglas Dome Mirror .....	479.66	40.87
10 86 00 00-0022	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror .....	88.31	16.35
10 86 00 00-0023	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror .....	113.62	17.98
10 86 00 00-0024	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror .....	149.64	20.16
10 86 00 00-0025	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror .....	186.58	23.97
10 86 00 00-0026	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror .....	309.86	34.05

**10 86 00 00-0027 Coated Plexiglas Dome Mirrors (10 86 00 00-0001)**

10 86 00 00-0028	EA	18" Diameter Full-Dome Coated Plexiglas Dome Mirror .....	268.34	25.07
10 86 00 00-0029	EA	26" Diameter Full-Dome Coated Plexiglas Dome Mirror .....	416.04	27.24
10 86 00 00-0030	EA	36" Diameter Full-Dome Coated Plexiglas Dome Mirror .....	705.26	38.14
10 86 00 00-0031	EA	48" Diameter Full-Dome Coated Plexiglas Dome Mirror .....	1,086.68	54.48
10 86 00 00-0032	EA	18" Diameter Half-Dome Coated Plexiglas Dome Mirror .....	173.99	19.07
10 86 00 00-0033	EA	26" Diameter Half-Dome Coated Plexiglas Dome Mirror .....	259.63	20.71
10 86 00 00-0034	EA	36" Diameter Half-Dome Coated Plexiglas Dome Mirror .....	410.76	28.87
10 86 00 00-0035	EA	48" Diameter Half-Dome Coated Plexiglas Dome Mirror .....	680.76	40.87
10 86 00 00-0036	EA	18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror .....	126.18	16.35
10 86 00 00-0037	EA	26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror .....	177.37	17.98
10 86 00 00-0038	EA	32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror .....	230.08	20.16
10 86 00 00-0039	EA	36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror .....	296.12	23.97
10 86 00 00-0040	EA	48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror .....	463.90	34.05

**10 86 00 00-0041 Circular Convex Security Mirrors (10 86)**

Note: Includes all mounting hardware.

**10 86 00 00-0042 Plexiglas Circular Convex Mirrors (10 86 00 00-0041)**

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

10 86 00 00-0043	EA	12" Diameter Plexiglas Circular Convex Mirrors, Indoor .....	94.78	17.43
10 86 00 00-0044	EA	18" Diameter Plexiglas Circular Convex Mirrors, Indoor .....	123.50	19.07
10 86 00 00-0045	EA	26" Diameter Plexiglas Circular Convex Mirrors, Indoor .....	187.75	20.71
10 86 00 00-0046	EA	30" Diameter Plexiglas Circular Convex Mirrors, Indoor .....	234.72	23.97
10 86 00 00-0047	EA	36" Diameter Plexiglas Circular Convex Mirrors, Indoor .....	312.35	28.87
10 86 00 00-0048	EA	48" Diameter Plexiglas Circular Convex Mirrors, Indoor .....	552.40	40.87
10 86 00 00-0049	EA	18" Diameter Plexiglas Circular Convex Mirrors, Outdoor .....	159.66	19.07
10 86 00 00-0050	EA	26" Diameter Plexiglas Circular Convex Mirrors, Outdoor .....	230.53	20.71
10 86 00 00-0051	EA	36" Diameter Plexiglas Circular Convex Mirrors, Outdoor .....	329.46	28.87
10 86 00 00-0052	EA	48" Diameter Plexiglas Circular Convex Mirrors, Outdoor .....	603.74	40.87

**10 86 00 00-0053 Coated Plexiglas Circular Convex Mirrors (10 86 00 00-0041)**

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

**10 Specialties****10 80 Other Specialties**

10 86 Security Mirrors And Domes



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0054	EA		18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	193.03	19.07
10 86 00 00-0055	EA		26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	304.56	20.71
10 86 00 00-0056	EA		30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	409.51	23.97
10 86 00 00-0057	EA		36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	511.31	28.87
10 86 00 00-0058	EA		48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	742.80	40.87
10 86 00 00-0059	EA		18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	232.18	19.07
10 86 00 00-0060	EA		26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	360.18	20.71
10 86 00 00-0061	EA		30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	501.50	23.97
10 86 00 00-0062	EA		36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	566.94	28.87
10 86 00 00-0063	EA		48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	898.98	40.87

**END OF SECTION 10**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 11 Equipment

### 11 01 Operation and Maintenance of Equipment <sup>(11)</sup>

#### 11 01 10 Operation and Maintenance of Vehicle and Pedestrian Equipment <sup>(11 01)</sup>

##### 11 01 10 13 Operation and Maintenance of Parking Equipment <sup>(11 01 10)</sup>

<b>11 01 10 13-0001</b>		<b>Replacement Parking Equipment <sup>(11 01 10 13)</sup></b>		
11 01 10 13-0002	EA	10' Wood Arm Replacement With Bolts .....	568.29	
11 01 10 13-0003	EA	12' Wood Arm Replacement With Bolts .....	593.84	
11 01 10 13-0004	EA	14' Wood Arm Replacement With Bolts .....	623.18	
11 01 10 13-0005	EA	12' Aluminum Arm Replacement With Bolts .....	830.16	
11 01 10 13-0006	EA	14' Aluminum Arm Replacement With Bolts .....	857.63	
11 01 10 13-0007	EA	16' Aluminum Arm Replacement With Bolts .....	1,215.93	
11 01 10 13-0008	EA	18' Aluminum Arm Replacement With Bolts .....	1,233.64	
11 01 10 13-0009	EA	20' Aluminum Arm Replacement With Bolts .....	1,267.65	
11 01 10 13-0010	EA	22' Aluminum Arm Replacement With Bolts .....	1,457.98	
11 01 10 13-0011	EA	24' Aluminum Arm Replacement With Bolts .....	1,481.96	

### 11 10 Vehicle and Pedestrian Equipment <sup>(11)</sup>

#### 11 12 Parking Control Equipment <sup>(11 10)</sup>

##### 11 12 13 Parking Key and Card Control Units <sup>(11 12)</sup>

11 12 13 00-0001	EA	Card Access Control System, Surface Mounted..... Note: Entracomp 26SA-SM.	1,416.14	78.38
11 12 13 00-0002	EA	Card Access Control System, Flush Mounted .....	1,579.07	78.38
11 12 13 00-0003	EA	Card Access Control System, Flush Mounted .....	1,826.83	78.38
11 12 13 00-0004	EA	Electronic Vehicle Detector Units, Push-Button Intercom..... Note: 3-position sensitivity switch and detection indicator light on front panel. <i>For Wiring Harness, Add</i>	451.71 34.00	26.13

##### 11 12 16 Parking Ticket Dispensers <sup>(11 12)</sup>

##### 11 12 16 00-0001 Parking Ticket Dispensers <sup>(11 12 16)</sup>

11 12 16 00-0002	EA	Standard Parking Ticket Dispenser With Time/Date Stamp .....	10,701.48	188.12
11 12 16 00-0003	EA	Rate Computing Parking Ticket Dispenser With Printer .....	14,434.60	188.12

##### 11 12 23 Parking Meters <sup>(11 12)</sup>

##### 11 12 23 00-0001 Parking Meters <sup>(11 12 23)</sup>

11 12 23 00-0002	EA	Removal Of Parking Meter For Replacement Or Reinstall Existing Meter .....	194.99	
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##### 11 12 26 Parking Fee Collection Equipment <sup>(11 12)</sup>

##### 11 12 26 13 Parking Fee Coin Collection Equipment <sup>(11 12 26)</sup>

##### 11 12 26 13-0001 Parking Fee Collection Equipment <sup>(11 12 26 13)</sup>

11 12 26 13-0002	EA	Multiple Station Slot Box For Parking Fee Collection.....	2,533.96	63.75
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##### 11 12 33 Parking Gates <sup>(11 12)</sup>

##### 11 12 33 13 Lift Arm Parking Gates <sup>(11 12 33)</sup>

##### 11 12 33 13-0001 Barrier Parking Gate Operators <sup>(11 12 33 13)</sup>

##### 11 12 33 13-0002 Barrier Parking Gate Operators <sup>(11 12 33 13-0001)</sup>

Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.				
11 12 33 13-0003	EA	12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080) .....	5,534.70	260.78
			<i>For 230/460 Volt AC, Add</i>	322.50
11 12 33 13-0004	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080).....	5,514.11	260.78
			<i>For 230/460 Volt AC, Add</i>	322.50
11 12 33 13-0005	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080) .....	5,774.99	260.78
			<i>For 230/460 Volt AC, Add</i>	322.50
11 12 33 13-0006	EA	20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080) .....	8,324.47	260.78
			<i>For 230/460 Volt AC, Add</i>	322.50
11 12 33 13-0007	EA	14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD).....	8,121.53	260.78
11 12 33 13-0008	EA	14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD) .....	8,533.46	260.78

11	<b>11 Equipment</b>
	<b>11 10 Vehicle and Pedestrian Equipment</b>
	<b>11 12 Parking Control Equipment</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 12 33 13-0009			<b>Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes</b> <small>(11 12 33 13-0001)</small> Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.		
11 12 33 13-0010	EA		14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080) .....	17,331.51	521.56
11 12 33 13-0011	EA		14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080) .....	20,319.34	521.56
11 12 33 13-0012	EA		14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080) .....	17,485.98	521.56
11 12 33 13-0013	EA		14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080) .....	20,473.81	521.56

11 12 33 13-0014			<b>Barrier Parking Gate Operator Accessories</b> <small>(11 12 33 13-0001)</small>		
11 12 33 13-0015	EA		12' Plastic Replacement Arm For Barrier Parking Gate Operators .....	211.32	19.84
11 12 33 13-0016	EA		14' Wood Replacement Arm For Barrier Parking Gate Operators .....	190.72	19.84
11 12 33 13-0017	EA		14' Aluminum Replacement Arm For Barrier Parking Gate Operators .....	451.61	19.84
11 12 33 13-0018	EA		20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators .....	683.32	19.84
11 12 33 13-0019	EA		Folding Wood Replacement Arm For Barrier Parking Gate Operators .....	623.25	19.84
11 12 33 13-0020	EA		Folding Plastic Replacement Arm For Barrier Parking Gate Operators .....	623.25	19.84
11 12 33 13-0021	EA		Folding Aluminum Replacement Arm For Barrier Parking Gate Operators .....	760.56	19.84
11 12 33 13-0022	EA		Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092) .....	624.22	119.02
11 12 33 13-0023	EA		Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093) .....	624.22	119.02
11 12 33 13-0024	EA		Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010) .....	620.14	
11 12 33 13-0025	EA		Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B) .....	1,552.02	
11 12 33 13-0026	EA		36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD) .....	1,021.06	19.84
			Note: Includes mounting plate and hardware. Excludes concrete foundation.		

**11 12 36 Tire Shredders** (11 12)

11 12 36 00-0001			<b>Tire Shredding Traffic Control Spikes</b> <small>(11 12 36)</small>		
11 12 36 00-0002			<b>Flush Mount, Tire Shredding Traffic Control Spikes</b> <small>(11 12 36 00-0001)</small>		
11 12 36 00-0003	EA		6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081) .....	2,634.50	317.39
11 12 36 00-0004			<b>Surface Mount, Tire Shredding Traffic Control Spikes</b> <small>(11 12 36 00-0001)</small>		
11 12 36 00-0005	EA		3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088) .....	4,792.91	158.70
11 12 36 00-0006	EA		3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087) .....	3,419.81	158.70
11 12 36 00-0007			<b>Warning Signs And Signals For Tire Shredding Traffic Control Spikes</b> <small>(11 12 36 00-0001)</small>		
11 12 36 00-0008	EA		Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615) .....	2,127.18	59.51
			Note: Includes light and mounting post.		
11 12 36 00-0009	EA		Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603) .....	1,720.60	79.34
			Note: Includes mounting post and hardware.		

**11 13 Loading Dock Equipment** (11 10)

**11 13 13 Loading Dock Bumpers** (11 13)

11 13 13 00-0001			<b>Laminated Rubber Dock Bumpers</b> <small>(11 13 13)</small>		
11 13 13 00-0002			<b>4-1/2" Projection, Laminated Rubber Dock Bumpers</b> <small>(11 13 13 00-0001)</small>		
11 13 13 00-0003	EA		14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	137.00	21.78
11 13 13 00-0004	EA		24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	174.21	21.78
11 13 13 00-0005	EA		36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	226.69	21.78
11 13 13 00-0006	EA		12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	152.86	21.78
11 13 13 00-0007	EA		14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	166.00	21.78
11 13 13 00-0008	EA		18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	189.51	21.78
11 13 13 00-0009	EA		24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	226.69	21.78
11 13 13 00-0010	EA		36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	310.67	21.78
11 13 13 00-0011	EA		12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	173.85	21.78
11 13 13 00-0012	EA		12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	189.51	21.78
11 13 13 00-0013	EA		12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	234.16	21.78
11 13 13 00-0014	EA		12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	265.83	21.78
11 13 13 00-0015	EA		12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	368.67	21.78
11 13 13 00-0016	EA		11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	215.66	21.78
11 13 13 00-0017	EA		11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	252.49	21.78
11 13 13 00-0018	EA		11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	330.95	21.78
11 13 13 00-0019			<b>6" Projection, Laminated Rubber Dock Bumpers</b> <small>(11 13 13 00-0001)</small>		
11 13 13 00-0020	EA		12" x 10", 6" Projection, Laminated Rubber Dock Bumper .....	194.27	21.78
11 13 13 00-0021	EA		14" x 10", 6" Projection, Laminated Rubber Dock Bumper .....	207.26	21.78
11 13 13 00-0022	EA		18" x 10", 6" Projection, Laminated Rubber Dock Bumper .....	238.57	21.78





<b>Equipment</b>	<b>11</b>	
Vehicle and Pedestrian Equipment	11 10	11
Loading Dock Equipment	11 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0023 EA 24" x 10", 6" Projection, Laminated Rubber Dock Bumper .....	286.25	21.78
11 13 13 00-0024 EA 36" x 10", 6" Projection, Laminated Rubber Dock Bumper .....	391.75	21.78
11 13 13 00-0025 EA 12" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	223.09	21.78
11 13 13 00-0026 EA 14" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	233.77	21.78
11 13 13 00-0027 EA 18" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	276.11	21.78
11 13 13 00-0028 EA 24" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	339.27	21.78
11 13 13 00-0029 EA 36" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	516.12	21.78
11 13 13 00-0030 EA 11" x 20", 6" Projection, Laminated Rubber Dock Bumper .....	286.43	21.78
11 13 13 00-0031 EA 11" x 24", 6" Projection, Laminated Rubber Dock Bumper .....	328.77	21.78
11 13 13 00-0032 EA 11" x 36", 6" Projection, Laminated Rubber Dock Bumper .....	334.41	21.78
<b>11 13 13 00-0033 Extruded Rubber Dock Bumpers (11 13 13)</b>		
<b>11 13 13 00-0034 1-3/4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)</b>		
11 13 13 00-0035 EA 12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper .....	71.45	21.78
11 13 13 00-0036 EA 18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper .....	76.69	21.78
11 13 13 00-0037 EA 24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper .....	83.66	21.78
11 13 13 00-0038 EA 36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper .....	90.63	21.78
<b>11 13 13 00-0039 4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)</b>		
11 13 13 00-0040 EA 12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper .....	98.80	21.78
11 13 13 00-0041 EA 18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper .....	120.79	21.78
11 13 13 00-0042 EA 24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper .....	127.12	21.78
11 13 13 00-0043 EA 36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper .....	141.55	21.78
<b>11 13 13 00-0044 6" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)</b>		
11 13 13 00-0045 EA 12" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	120.50	21.78
11 13 13 00-0046 EA 18" x 6", 6" Projection, Extruded Rubber Dock Bumper .....	150.14	21.78
11 13 13 00-0047 EA 24" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	174.55	21.78
11 13 13 00-0048 EA 36" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	221.13	21.78
<b>11 13 13 00-0049 Molded Rubber Dock Bumpers (11 13 13)</b>		
<b>11 13 13 00-0050 Rectangular Molded Rubber Dock Bumpers (11 13 13 00-0049)</b>		
11 13 13 00-0051 EA 18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper.....	101.79	21.78
11 13 13 00-0052 EA 10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	88.33	21.78
11 13 13 00-0053 EA 20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	119.05	21.78
11 13 13 00-0054 EA 30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	150.05	21.78
11 13 13 00-0055 EA 24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	157.36	21.78
11 13 13 00-0056 EA 13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	115.53	21.78
11 13 13 00-0057 EA 18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	151.27	21.78
11 13 13 00-0058 EA 30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	224.86	21.78
11 13 13 00-0059 EA 13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	126.22	21.78
11 13 13 00-0060 EA 24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	191.59	21.78
11 13 13 00-0061 EA 18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	190.95	21.78
11 13 13 00-0062 EA 24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper.....	290.93	21.78
<b>11 13 13 00-0063 T And L Shaped Rubber Dock Bumpers (11 13 13 00-0049)</b>		
11 13 13 00-0064 EA 22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper.....	180.88	21.78
11 13 13 00-0065 EA 18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper.....	168.55	21.78
<b>11 13 16 Loading Dock Seals and Shelters (11 13)</b>		
<b>11 13 16 13 Loading Dock Seals (11 13 16)</b>		
<b>11 13 16 13-0001 Vinyl Loading Dock Seals (11 13 16 13)</b>		
<b>11 13 16 13-0002 Standard Vinyl Loading Dock Seals (11 13 16 13-0001)</b>		
11 13 16 13-0003 LF 10" Projection, Standard, Vinyl Loading Dock Seal .....	98.02	21.78
11 13 16 13-0004 LF 11" Projection, Standard, Vinyl Loading Dock Seal .....	99.35	21.78
11 13 16 13-0005 LF 12" Projection, Standard, Vinyl Loading Dock Seal .....	100.69	21.78
11 13 16 13-0006 LF 13" Projection, Standard, Vinyl Loading Dock Seal .....	103.36	21.78
11 13 16 13-0007 LF 14" Projection, Standard, Vinyl Loading Dock Seal .....	106.02	21.78
11 13 16 13-0008 LF 15" Projection, Standard, Vinyl Loading Dock Seal .....	108.73	21.78
11 13 16 13-0009 LF 16" Projection, Standard, Vinyl Loading Dock Seal .....	111.44	21.78
11 13 16 13-0010 LF 17" Projection, Standard, Vinyl Loading Dock Seal .....	114.22	21.78
11 13 16 13-0011 LF 18" Projection, Standard, Vinyl Loading Dock Seal .....	117.00	21.78
11 13 16 13-0012 LF 19" Projection, Standard, Vinyl Loading Dock Seal .....	119.66	21.78
11 13 16 13-0013 LF 20" Projection, Standard, Vinyl Loading Dock Seal .....	122.33	21.78
11 13 16 13-0014 LF 22" Projection, Standard, Vinyl Loading Dock Seal .....	127.74	21.78
<b>11 13 16 13-0015 8" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)</b>		
11 13 16 13-0016 LF 10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	113.88	21.78
11 13 16 13-0017 LF 11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	115.22	21.78

**11 Equipment**  
**11 10 Vehicle and Pedestrian Equipment**  
**11 13 Loading Dock Equipment**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0018 LF 12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	116.55	21.78
11 13 16 13-0019 LF 13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	119.26	21.78
11 13 16 13-0020 LF 14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	121.96	21.78
11 13 16 13-0021 LF 15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	124.63	21.78
11 13 16 13-0022 LF 16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	127.30	21.78
11 13 16 13-0023 LF 17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	130.00	21.78
11 13 16 13-0024 LF 18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	132.71	21.78
11 13 16 13-0025 LF 19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	135.38	21.78
11 13 16 13-0026 LF 20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	138.12	21.78
11 13 16 13-0027 LF 22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	143.46	21.78
<b>11 13 16 13-0028 4" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)</b>		
11 13 16 13-0029 LF 10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	122.33	21.78
11 13 16 13-0030 LF 11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	123.70	21.78
11 13 16 13-0031 LF 12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	125.07	21.78
11 13 16 13-0032 LF 13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	127.74	21.78
11 13 16 13-0033 LF 14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	130.41	21.78
11 13 16 13-0034 LF 15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	133.12	21.78
11 13 16 13-0035 LF 16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	135.82	21.78
11 13 16 13-0036 LF 17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	138.49	21.78
11 13 16 13-0037 LF 18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	141.16	21.78
11 13 16 13-0038 LF 19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	143.87	21.78
11 13 16 13-0039 LF 20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	146.57	21.78
11 13 16 13-0040 LF 22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	152.06	21.78
<b>11 13 16 13-0041 Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13)</b>		
<b>11 13 16 13-0042 Standard, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)</b>		
11 13 16 13-0043 LF 10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	90.95	21.78
11 13 16 13-0044 LF 12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	93.05	21.78
11 13 16 13-0045 LF 14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	97.69	21.78
11 13 16 13-0046 LF 16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	102.26	21.78
11 13 16 13-0047 LF 18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	106.97	21.78
11 13 16 13-0048 LF 20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	111.54	21.78
11 13 16 13-0049 LF 22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	116.18	21.78
<b>11 13 16 13-0050 8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)</b>		
11 13 16 13-0051 LF 10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	105.95	21.78
11 13 16 13-0052 LF 12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	108.11	21.78
11 13 16 13-0053 LF 14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	112.75	21.78
11 13 16 13-0054 LF 16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	117.39	21.78
11 13 16 13-0055 LF 18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	121.96	21.78
11 13 16 13-0056 LF 20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	126.60	21.78
11 13 16 13-0057 LF 22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	131.17	21.78
<b>11 13 16 13-0058 4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)</b>		
11 13 16 13-0059 LF 10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	114.08	21.78
11 13 16 13-0060 LF 12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	116.18	21.78
11 13 16 13-0061 LF 14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	120.88	21.78
11 13 16 13-0062 LF 16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	125.46	21.78
11 13 16 13-0063 LF 18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	130.09	21.78
11 13 16 13-0064 LF 20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	134.67	21.78
11 13 16 13-0065 LF 22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	139.37	21.78
<b>11 13 16 23 Loading Dock Shelters (11 13 16)</b>		
<b>11 13 16 23-0001 Retractable Vinyl Loading Dock Shelter (11 13 16 23)</b>		
11 13 16 23-0002 LF Retractable Vinyl Dock Shelters, Scissor Arms.....	154.27	27.23
<b>11 13 16 23-0003 Rigid Loading Dock Shelters (11 13 16 23)</b>		
11 13 16 23-0004 LF 18" Projection, Rigid Loading Dock Shelter .....	114.68	26.14
11 13 16 23-0005 LF 24" Projection, Rigid Loading Dock Shelter .....	119.60	26.14
11 13 16 23-0006 LF 30" Projection, Rigid Loading Dock Shelter .....	124.20	27.23
11 13 16 23-0007 LF 36" Projection, Rigid Loading Dock Shelter .....	127.60	27.23
<b>11 13 19 Stationary Loading Dock Equipment (11 13)</b>		
Note: Includes all anchor bolts and fasteners.		
<b>11 13 19 13 Loading Dock Levelers (11 13 19)</b>		
<b>11 13 19 13-0001 Hydraulic Dock Levelers (11 13 19 13)</b>		
Note: Excludes control panel, remote operator, and electrical wiring.		
<b>11 13 19 13-0002 20,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		



<b>Equipment</b>	<b>11</b>
<b>Vehicle and Pedestrian Equipment</b>	<b>11 10</b>
<b>Loading Dock Equipment</b>	<b>11 13</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0003 EA 6' x 6', 20,000 LB Hydraulic Dock Leveler.....	7,177.86	894.31
11 13 19 13-0004 EA 6' x 8', 20,000 LB Hydraulic Dock Leveler.....	7,682.85	993.67
11 13 19 13-0005 EA 6' x 10', 20,000 LB Hydraulic Dock Leveler.....	9,384.75	1,192.41
11 13 19 13-0006 EA 7' x 6', 20,000 LB Hydraulic Dock Leveler.....	7,637.19	993.67
11 13 19 13-0007 EA 7' x 8', 20,000 LB Hydraulic Dock Leveler.....	8,292.01	1,093.05
11 13 19 13-0008 EA 7' x 10', 20,000 LB Hydraulic Dock Leveler.....	9,939.48	1,291.78
<b>11 13 19 13-0009 25,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		
11 13 19 13-0010 EA 6' x 6', 25,000 LB Hydraulic Dock Leveler.....	7,319.87	894.31
11 13 19 13-0011 EA 6' x 8', 25,000 LB Hydraulic Dock Leveler.....	7,828.74	993.67
11 13 19 13-0012 EA 6' x 10', 25,000 LB Hydraulic Dock Leveler.....	9,521.43	1,192.41
11 13 19 13-0013 EA 7' x 6', 25,000 LB Hydraulic Dock Leveler.....	7,775.09	993.67
11 13 19 13-0014 EA 7' x 8', 25,000 LB Hydraulic Dock Leveler.....	8,419.07	1,093.05
11 13 19 13-0015 EA 7' x 10', 25,000 LB Hydraulic Dock Leveler.....	10,207.72	1,291.78
<b>11 13 19 13-0016 30,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		
11 13 19 13-0017 EA 6' x 6', 30,000 LB Hydraulic Dock Leveler.....	7,674.42	1,043.36
11 13 19 13-0018 EA 6' x 8', 30,000 LB Hydraulic Dock Leveler.....	8,166.42	1,192.41
11 13 19 13-0019 EA 6' x 10', 30,000 LB Hydraulic Dock Leveler.....	9,935.60	1,391.14
11 13 19 13-0020 EA 7' x 6', 30,000 LB Hydraulic Dock Leveler.....	8,166.42	1,192.41
11 13 19 13-0021 EA 7' x 8', 30,000 LB Hydraulic Dock Leveler.....	8,780.17	1,341.46
11 13 19 13-0022 EA 7' x 10', 30,000 LB Hydraulic Dock Leveler.....	10,549.36	1,440.83
<b>11 13 19 13-0023 35,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		
11 13 19 13-0024 EA 6' x 6', 35,000 LB Hydraulic Dock Leveler.....	7,940.85	1,093.05
11 13 19 13-0025 EA 6' x 8', 35,000 LB Hydraulic Dock Leveler.....	8,434.32	1,242.10
11 13 19 13-0026 EA 6' x 10', 35,000 LB Hydraulic Dock Leveler.....	9,515.82	1,440.83
11 13 19 13-0027 EA 7' x 6', 35,000 LB Hydraulic Dock Leveler.....	8,434.32	1,242.10
11 13 19 13-0028 EA 7' x 8', 35,000 LB Hydraulic Dock Leveler.....	9,161.87	1,391.14
11 13 19 13-0029 EA 7' x 10', 35,000 LB Hydraulic Dock Leveler.....	10,974.77	1,490.52
<b>11 13 19 13-0030 40,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		
11 13 19 13-0031 EA 6' x 6', 40,000 LB Hydraulic Dock Leveler.....	8,386.63	1,093.05
11 13 19 13-0032 EA 6' x 8', 40,000 LB Hydraulic Dock Leveler.....	8,879.38	1,242.10
11 13 19 13-0033 EA 6' x 10', 40,000 LB Hydraulic Dock Leveler.....	10,679.15	1,440.83
11 13 19 13-0034 EA 7' x 6', 40,000 LB Hydraulic Dock Leveler.....	8,879.38	1,242.10
11 13 19 13-0035 EA 7' x 8', 40,000 LB Hydraulic Dock Leveler.....	9,607.80	1,391.14
11 13 19 13-0036 EA 7' x 10', 40,000 LB Hydraulic Dock Leveler.....	11,420.40	1,490.52
<b>11 13 19 13-0037 45,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		
11 13 19 13-0038 EA 6' x 6', 45,000 LB Hydraulic Dock Leveler.....	8,775.05	1,142.73
11 13 19 13-0039 EA 6' x 8', 45,000 LB Hydraulic Dock Leveler.....	9,276.95	1,291.78
11 13 19 13-0040 EA 6' x 10', 45,000 LB Hydraulic Dock Leveler.....	11,066.03	1,490.52
11 13 19 13-0041 EA 7' x 6', 45,000 LB Hydraulic Dock Leveler.....	9,278.46	1,291.78
11 13 19 13-0042 EA 7' x 8', 45,000 LB Hydraulic Dock Leveler.....	10,000.03	1,440.83
11 13 19 13-0043 EA 7' x 10', 45,000 LB Hydraulic Dock Leveler.....	11,799.03	1,540.20
<b>11 13 19 13-0044 Manual Dock Levelers (11 13 19 13)</b>		
<b>11 13 19 13-0045 20,000 LB Manual Dock Levelers (11 13 19 13-0044)</b>		
11 13 19 13-0046 EA 6' x 6', 20,000 LB Manual Dock Leveler.....	5,727.61	894.31
11 13 19 13-0047 EA 6' x 8', 20,000 LB Manual Dock Leveler.....	6,241.76	993.67
11 13 19 13-0048 EA 6' x 10', 20,000 LB Manual Dock Leveler.....	7,934.50	1,192.41
11 13 19 13-0049 EA 7' x 6', 20,000 LB Manual Dock Leveler.....	6,188.25	993.67
11 13 19 13-0050 EA 7' x 8', 20,000 LB Manual Dock Leveler.....	6,841.76	1,093.05
11 13 19 13-0051 EA 7' x 10', 20,000 LB Manual Dock Leveler.....	8,637.14	1,192.41
<b>11 13 19 13-0052 40,000 LB Manual Dock Levelers (11 13 19 13-0044)</b>		
11 13 19 13-0053 EA 6' x 6', 40,000 LB Manual Dock Leveler.....	7,064.65	993.67
11 13 19 13-0054 EA 6' x 8', 40,000 LB Manual Dock Leveler.....	7,557.40	1,093.05
11 13 19 13-0055 EA 6' x 10', 40,000 LB Manual Dock Leveler.....	8,234.15	1,291.78
11 13 19 13-0056 EA 7' x 6', 40,000 LB Manual Dock Leveler.....	7,557.40	1,093.05
11 13 19 13-0057 EA 7' x 8', 40,000 LB Manual Dock Leveler.....	8,585.56	1,192.41
11 13 19 13-0058 EA 7' x 10', 40,000 LB Manual Dock Leveler.....	10,098.42	1,391.14
<b>11 13 19 13-0059 Edge Of Dock Levelers (11 13 19 13)</b>		
Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
<b>11 13 19 13-0060 Hydraulic Edge Of Dock Levelers (11 13 19 13-0059)</b>		
Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0061 EA 66" Usable Width, 20,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2066) .....	4,631.51	298.11
11 13 19 13-0062 EA 72" Usable Width, 20,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2072) .....	4,985.94	298.11

<b>11</b>	<b>11 Equipment</b>
	<b>11 10 Vehicle and Pedestrian Equipment</b>
	<b>11 13 Loading Dock Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0063 EA 66" Usable Width, 25,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2566) .....	4,934.64	298.11
11 13 19 13-0064 EA 72" Usable Width, 25,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2572) .....	5,421.20	298.11
11 13 19 13-0065 EA 66" Usable Width, 20,000 LB Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED6620) .....	4,883.87	298.11
11 13 19 13-0066 EA 72" Usable Width, 20,000 LB Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED7220) .....	5,161.09	298.11
<b>11 13 19 13-0067 Manual Edge Of Dock Levelers (11 13 19 13-0059)</b>		
11 13 19 13-0068 EA 66" Usable Width, 20,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2066) .....	2,373.78	298.11
11 13 19 13-0069 EA 72" Usable Width, 20,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2072) .....	2,587.30	298.11
11 13 19 13-0070 EA 66" Usable Width, 25,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2566) .....	2,652.59	298.11
11 13 19 13-0071 EA 72" Usable Width, 25,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2572) .....	2,812.72	298.11
11 13 19 13-0072 EA 66" Usable Width, 25,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP66) .....	2,666.15	298.11
11 13 19 13-0073 EA 72" Usable Width, 25,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP72) .....	3,032.01	298.11
11 13 19 13-0074 EA 78" Usable Width, 25,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP78) .....	3,301.16	298.11
11 13 19 13-0075 EA 72" Usable Width, 30,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72) .....	3,339.85	298.11
11 13 19 13-0076 EA 66" Usable Width, 20,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 20EP66-R) .....	2,972.37	298.11
11 13 19 13-0077 EA 78" Usable Width, 30,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP78-R) .....	4,089.30	298.11
11 13 19 13-0078 EA 72" Usable Width, 30,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72-R) .....	3,849.15	298.11
<b>11 13 19 23 Stationary Loading Dock Lifts (11 13 19)</b>		
<b>11 13 19 23-0001 Top Of Ground, Fixed Platform Lifts (11 13 19 23)</b>		
11 13 19 23-0002 EA 6' x 8', 5,500 LB Top Of Ground, Fixed Platform Lift.....	14,205.51	219.50
<b>11 13 19 23-0003 Pit Mounted, Fixed Platform Lifts (11 13 19 23)</b>		
11 13 19 23-0004 EA 6' x 8', 5,000 LB Fixed Platform Lift, Pit Mounted.....	12,793.64	219.50
11 13 19 23-0005 EA 6' x 8', 8,000 LB Fixed Platform Lift, Pit Mounted.....	23,061.81	329.26
11 13 19 23-0006 EA 7' x 12', 15,000 LB Fixed Platform Lift, Pit Mounted.....	40,424.61	658.51
11 13 19 23-0007 EA 8' x 20', 15,000 LB Fixed Platform Lift, Pit Mounted.....	42,342.39	878.02
<b>11 13 19 26 Loading Dock Truck Lifts (11 13 19)</b>		
<b>11 13 19 26-0001 Hydraulic Truck Lifts (11 13 19 26)</b>		
11 13 19 26-0002 EA 10' x 15', 60,000 LB Platform Truck Lift .....	37,073.67	1,691.61
11 13 19 26-0003 EA 10' x 20', 60,000 LB Platform Truck Lift .....	42,376.08	2,029.93
<b>11 13 19 33 Loading Dock Truck Restraints (11 13 19)</b>		
<b>11 13 19 33-0001 Truck Restraint System (11 13 19 33)</b>		
11 13 19 33-0002 EA Truck Restraint System (Poweramp Powerstop AAL).....	8,673.11	372.62
Note: Includes push button controls, warning lights, alarms, 30,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.		
11 13 19 33-0003 EA Rotating Hook Truck Restraint System (Kelley Star 4) .....	9,303.95	372.62
Note: Includes push button controls, warning lights, alarms, 32,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.		
<b>11 13 23 Portable Dock Equipment (11 13)</b>		
<b>11 13 23 23 Portable Dock Platforms (11 13 23)</b>		
11 13 23 23-0001 EA 6' x 6', 5,000 LB Capacity Portable Platform Lift .....	12,609.03	99.18
<b>11 13 26 Loading Dock Lights (11 13)</b>		
<b>11 13 26 00-0001 Communication Lights (11 13 26)</b>		
11 13 26 00-0002 EA Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC.....	352.67	78.38
Note: Excludes control console.		
11 13 26 00-0003 EA Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC .....	444.09	78.38
11 13 26 00-0004 EA Dock Guide Light For Truck Backing .....	188.10	62.71
<b>11 13 26 00-0005 Communication Lights Controls (11 13 26)</b>		
11 13 26 00-0006 EA Dock Communication Lights Control Console For Up To Two Docks.....	365.75	104.51
<b>11 13 26 00-0007 Loading Dock Lights (11 13 26)</b>		
<b>11 13 26 00-0008 Incandescent Loading Dock Lights (11 13 26 00-0007)</b>		
11 13 26 00-0009 EA 24" Long, Single Arm Loading Dock Light, 300W Incandescent.....	451.48	104.51
11 13 26 00-0010 EA 40" Long, Dual Arm Loading Dock Light, 300W Incandescent.....	395.94	104.51
11 13 26 00-0011 EA 60" Long, Dual Arm Loading Dock Light, 300W Incandescent.....	536.06	104.51
<b>11 13 26 00-0012 Metal Halide Loading Dock Lights (11 13 26 00-0007)</b>		
11 13 26 00-0013 EA 24" Long, Single Arm Loading Dock Light, 100W Metal Halide .....	643.47	104.51



<b>Equipment</b>	<b>11</b>
<b>Vehicle and Pedestrian Equipment</b>	<b>11 10</b>
<b>Loading Dock Equipment</b>	<b>11 13</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 26 00-0014 EA 40" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	709.30	104.51
11 13 26 00-0015 EA 60" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	761.94	104.51
<b>11 13 26 00-0016 Quartz Halogen Loading Dock Lights (11 13 26 00-0007)</b>		
11 13 26 00-0017 EA 24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen.....	388.54	104.51
11 13 26 00-0018 EA 40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	430.18	104.51
11 13 26 00-0019 EA 60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	465.73	104.51
<b>11 14 Pedestrian Control Equipment (11 10)</b>		
<b>11 14 13 Pedestrian Gates (11 14)</b>		
<b>11 14 13 16 Rotary Gates (11 14 13)</b>		
<b>11 14 13 16-0001 Access Control Indoor Or Outdoor Impenetrability (11 14 13 16)</b>		
<b>11 14 13 16-0002 Mechanical (11 14 13 16-0001)</b>		
<b>11 14 13 16-0003 Galvanized Steel (11 14 13 16-0002)</b>		
11 14 13 16-0004 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel.....	11,689.59	1,459.49
11 14 13 16-0005 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel.....	13,205.23	1,459.49
11 14 13 16-0006 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel.....	26,332.02	2,177.49
11 14 13 16-0007 EA One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel.....	25,496.19	2,177.49
<b>11 14 13 16-0008 Powder Coated Steel (11 14 13 16-0002)</b>		
11 14 13 16-0009 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	13,224.73	1,459.49
11 14 13 16-0010 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel.....	14,681.86	1,459.49
11 14 13 16-0011 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	31,099.03	2,177.49
11 14 13 16-0012 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	28,014.82	2,177.49
<b>11 14 13 16-0013 Anodized Aluminum (11 14 13 16-0002)</b>		
11 14 13 16-0014 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	13,890.61	1,459.49
11 14 13 16-0015 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum.....	24,090.52	1,459.49
11 14 13 16-0016 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	27,892.23	2,177.49
11 14 13 16-0017 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum.....	47,105.18	2,177.49
<b>11 14 13 16-0018 Stainless Steel (11 14 13 16-0002)</b>		
11 14 13 16-0019 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	21,956.37	1,459.49
11 14 13 16-0020 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel.....	24,647.74	1,459.49
11 14 13 16-0021 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	35,247.54	2,177.49
11 14 13 16-0022 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	43,995.89	2,177.49
<b>11 14 13 16-0023 Transparent (11 14 13 16-0002)</b>		
11 14 13 16-0024 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent.....	43,593.22	1,459.71
<b>11 14 13 16-0025 Mechanical Options (11 14 13 16-0001)</b>		
11 14 13 16-0026 EA Out-of-Use Lock Option, Add.....	236.82	
11 14 13 16-0027 EA Heel Protector (Each Heel Protector), Add.....	167.17	
<b>11 14 13 16-0028 Electrical, One-Way (11 14 13 16-0001)</b>		
<b>11 14 13 16-0029 Galvanized Steel (11 14 13 16-0028)</b>		
11 14 13 16-0030 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	12,361.04	1,459.49
11 14 13 16-0031 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel.....	13,879.47	1,459.49
11 14 13 16-0032 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	28,839.51	2,177.49
11 14 13 16-0033 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	26,579.98	2,177.49
11 14 13 16-0034 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel.....	28,839.51	2,177.49
<b>11 14 13 16-0035 Powder Coated Steel (11 14 13 16-0028)</b>		
11 14 13 16-0036 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	13,893.40	1,459.49
11 14 13 16-0037 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	15,590.13	1,459.49
11 14 13 16-0038 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	38,615.93	2,177.49
11 14 13 16-0039 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	29,112.54	2,177.49
11 14 13 16-0040 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	31,377.64	2,177.49
<b>11 14 13 16-0041 Anodized Aluminum (11 14 13 16-0028)</b>		
11 14 13 16-0042 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	14,172.01	1,459.49
11 14 13 16-0043 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	15,035.70	1,459.49
11 14 13 16-0044 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	24,926.35	1,459.49

**11 Equipment****11 10 Vehicle and Pedestrian Equipment****11 14 Pedestrian Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0045 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	29,427.37	2,177.49
11 14 13 16-0046 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	32,740.05	2,177.49
11 14 13 16-0047 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum .....	48,551.16	2,177.49
<b>11 14 13 16-0048 Stainless Steel</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0049 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel .....	23,363.35	1,459.49
11 14 13 16-0050 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel .....	25,007.15	1,459.49
11 14 13 16-0051 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel .....	40,474.26	2,177.49
11 14 13 16-0052 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel .....	46,143.97	2,177.49
11 14 13 16-0053 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel .....	50,877.56	2,177.49
<b>11 14 13 16-0054 Transparent</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0055 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms .....	39,756.76	1,459.71
11 14 13 16-0056 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms .....	42,085.94	1,459.71
11 14 13 16-0057 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels .....	43,102.87	1,459.71
11 14 13 16-0058 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms .....	70,909.62	2,177.49
11 14 13 16-0059 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms .....	75,395.24	2,177.49
<b>11 14 13 16-0060 Electrical, Two-Way</b> <small>(11 14 13 16-0001)</small>		
<b>11 14 13 16-0061 Galvanized Steel</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0062 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel .....	13,330.61	1,459.49
11 14 13 16-0063 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel .....	14,893.61	1,459.49
11 14 13 16-0064 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel .....	34,166.53	2,177.49
11 14 13 16-0065 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel .....	28,310.15	2,177.49
<b>11 14 13 16-0066 Powder Coated Steel</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0067 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel .....	14,743.16	1,459.49
11 14 13 16-0068 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel .....	16,537.41	1,459.49
11 14 13 16-0069 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel .....	39,457.33	2,177.49
11 14 13 16-0070 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel .....	30,856.64	2,177.49
<b>11 14 13 16-0071 Anodized Aluminum</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0072 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	15,127.64	1,459.49
11 14 13 16-0073 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	15,952.33	1,459.49
11 14 13 16-0074 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum .....	26,038.01	1,459.49
11 14 13 16-0075 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	31,374.86	2,177.49
11 14 13 16-0076 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum .....	50,359.34	2,177.49
<b>11 14 13 16-0077 Stainless Steel</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0078 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel .....	24,305.05	1,459.49
11 14 13 16-0079 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel .....	25,976.71	1,459.49
11 14 13 16-0080 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel .....	41,165.21	2,177.49
11 14 13 16-0081 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel .....	47,537.02	2,177.49
11 14 13 16-0082 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel .....	52,799.97	2,177.49
<b>11 14 13 16-0083 Transparent</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0084 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms .....	40,564.73	1,459.71
11 14 13 16-0085 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms .....	42,754.61	1,459.71
11 14 13 16-0086 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels .....	44,011.14	1,459.71
11 14 13 16-0087 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms .....	72,609.14	2,177.49
11 14 13 16-0088 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms .....	76,788.29	2,177.49
<b>11 14 13 16-0089 Electrical Options</b> <small>(11 14 13 16-0001)</small>		
11 14 13 16-0090 EA Additional Set Of Electric Controls, Per Rotor, Add .....	927.77	
11 14 13 16-0091 EA Indicator Lights, Set, Red/Green, Per Controlled Direction, Add .....	651.95	
11 14 13 16-0092 EA Time-Out-Relay, Per Controlled Direction .....	214.53	
11 14 13 16-0093 EA Pulse-Relay, Per Controlled Direction .....	214.53	
11 14 13 16-0094 EA Pushbutton, Per Controlled Direction .....	169.95	
11 14 13 16-0095 EA Heel Protectors, (Per Heel Protector), Add .....	167.17	
11 14 13 16-0096 EA Card Reader Mounting Pad, Per Reader .....	153.24	
11 14 13 16-0097 EA Hydraulic Speed Control (Per Rotor), Add .....	3,892.18	
<b>11 14 13 16-0098 Relocate Rotary Gate</b> <small>(11 14 13 16-0001)</small>		
11 14 13 16-0099 EA Relocate Rotary Gate .....	4,287.21	



<b>Equipment</b>	<b>11</b>	
<b>Vehicle and Pedestrian Equipment</b>	<b>11 10</b>	<b>11</b>
<b>Pedestrian Control Equipment</b>	<b>11 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 14 13 19 Turnstiles (11 14 13)</b>		
<b>11 14 13 19-0001 Turnstiles (11 14 13 19)</b>		
11 14 13 19-0002 EA 24" Diameter Manual Turnstile, Three Arm, Two Way.....	2,533.35	411.57
11 14 13 19-0003 EA 24" Diameter Manual Turnstile, Three Arm, Two Way With Counter.....	3,317.84	411.57
<b>11 14 16 Pedestrian Control Devices (11 14)</b>		
<b>11 14 16 00-0001 Retractable Barrier (11 14 16)</b>		
11 14 16 00-0002 EA Wall Mounted, Retractable Belt Barrier With Receiver; 6-1/2' (WG269387BK).....	87.71	17.85
11 14 16 00-0003 EA Wall Mounted, Retractable Belt Barrier With Receiver; 10' (WGB2093791).....	161.64	17.85
11 14 16 00-0004 EA Wall Mounted, Retractable Belt Barrier With Receiver; 15' (WGB2093770).....	198.61	17.85
11 14 16 00-0005 EA Wall Mounted, Retractable Belt Barrier With Receiver; 30' (WGB2093771).....	327.99	17.85
<b>11 20 Commercial Equipment (11)</b>		
<b>11 21 Retail and Service Equipment (11 20)</b>		
<b>11 21 63 Refrigerated Display Equipment (11 21)</b>		
<b>11 21 63 00-0001 Dairy Products (11 21 63)</b>		
<b>11 21 63 00-0002 Refrigerated Dairy Case (11 21 63 00-0001)</b>		
11 21 63 00-0003 LF Refrigerated Case, Dairy, Multi-Deck..... <i>For Rear Sliding Doors, Add</i>	1,879.35 19.95	318.21
<b>11 21 63 00-0004 Refrigerated Milk Unit (11 21 63 00-0001)</b>		
11 21 63 00-0005 EA 46" x 32" x 49-1/2" Capacity; 12, 13" x 13" x 11" Refrigerated Milk Unit.....	9,616.54	230.84
<b>11 21 63 00-0006 Refrigerated Ice Cream And Milk Dispenser (11 21 63 00-0001)</b>		
11 21 63 00-0007 EA 63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser.....	10,662.71	253.50
<b>11 21 63 00-0008 Ice Cream Dispenser (11 21 63 00-0001)</b>		
11 21 63 00-0009 EA 46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser.....	8,905.28	213.45
<b>11 21 63 00-0010 Drop-In Ice Cream Freezer (11 21 63 00-0001)</b>		
11 21 63 00-0011 EA 27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer.....	2,220.80	53.12
11 21 63 00-0012 EA 30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer.....	2,902.06	69.46
<b>11 21 63 00-0013 Ice Cream Cabinets (11 21 63 00-0001)</b>		
11 21 63 00-0014 EA 46" x 32" x 42", 24 Gallon Ice Cream Cabinet.....	6,955.86	166.01
11 21 63 00-0015 EA 68" x 32" x 42", 48 Gallon Ice Cream Cabinet.....	9,907.77	239.59
<b>11 21 63 00-0016 Delicatessen Case, Service Deli (11 21 63)</b>		
11 21 63 00-0017 LF Delicatessen Case, Single-Deck.....	1,894.69	265.18
11 21 63 00-0018 LF Delicatessen Case, Multi-Deck.....	2,101.48	318.21
11 21 63 00-0019 EA Delicatessen Case, 3 Shelf, 32" x 23" x 23".....	2,570.85	76.79
<b>11 21 63 00-0020 Meat Case (11 21 63)</b>		
11 21 63 00-0021 LF Meat Case, Single - Deck.....	1,355.20	318.21
11 21 63 00-0022 LF Meat Case, Multi - Deck.....	1,470.57	318.21
<b>11 21 63 00-0023 Produce Case (11 21 63)</b>		
11 21 63 00-0024 LF Single Deck Produce Case.....	1,416.79	318.21
11 21 63 00-0025 LF Multi-Deck Produce Case.....	1,568.83	318.21
<b>11 21 63 00-0026 Bottle Coolers (11 21 63)</b>		
11 21 63 00-0027 EA Bottle Cooler, 6' Long.....	5,313.67	1,060.70
11 21 63 00-0028 EA Bottle Cooler, 10' Long.....	7,957.54	1,591.04
<b>11 21 63 00-0029 Cold Pan Units (11 21 63)</b>		
11 21 63 00-0030 EA 5" x 48", Iced, Cold Pan Units.....	3,560.13	84.53
11 21 63 00-0031 EA 5" x 72", Iced, Cold Pan Units.....	4,945.95	118.26
11 21 63 00-0032 EA 8" x 72", Iced, Cold Pan Units.....	5,848.01	139.88
11 21 63 00-0033 EA 5" x 48", Mechanical, Cold Pan Units.....	6,011.65	144.51

<b>11</b>	<b>11 Equipment</b>
	<b>11 20 Commercial Equipment</b>
	<b>11 21 Retail and Service Equipment</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 21 63 00-0034	EA		8" x 48", Mechanical, Cold Pan Units.....	6,543.44	156.00
11 21 63 00-0035	EA		8" x 72", Mechanical, Cold Pan Units.....	7,775.28	184.36
<b>11 21 63 00-0036</b>			<b>Cold Cabinets (Insulated) <small>(11 21 63)</small></b>		
11 21 63 00-0037	EA		69-3/4" x 32" x 24", Insulated Cold Cabinet.....	3,233.73	73.15
<b>11 22</b>			<b>Banking Equipment <small>(11 20)</small></b>		
<b>11 22 13</b>			<b>Vault Equipment <small>(11 22)</small></b>		
<b>11 22 13 16</b>			<b>Safes <small>(11 22 13)</small></b>		
<b>11 22 13 16-0001</b>			<b>In Room Safes <small>(11 22 13 16)</small></b>		
11 22 13 16-0002	EA		8-1/8" x 7-3/16" x 10-3/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 25) .....	760.13	10.89
11 22 13 16-0003	EA		8-1/8" x 7-3/16" x 16-5/8" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 41) .....	711.27	10.89
11 22 13 16-0004	EA		8-1/8" x 7-3/16" x 19-13/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 49) .....	740.59	10.89
11 22 13 16-0005	EA		8-1/8" x 7-3/16" x 10-3/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 25) .....	828.53	10.89
			Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0006	EA		8-1/8" x 7-3/16" x 16-5/8" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 41) .....	857.85	10.89
			Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0007	EA		8-1/8" x 7-3/16" x 19-13/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 49).....	887.17	10.89
			Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0008	EA		7-5/8" x 14" x 10-11/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 27).....	563.64	13.62
			Note: Includes security wire.		
11 22 13 16-0009	EA		7-5/8" x 14" x 17-1/2" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 43) .....	583.18	13.62
			Note: Includes security wire.		
11 22 13 16-0010	EA		7-5/8" x 14" x 20-3/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 50) .....	602.73	13.62
			Note: Includes security wire.		
<b>11 28</b>			<b>Office Equipment <small>(11 20)</small></b>		
<b>11 28 13</b>			<b>Computers <small>(11 28)</small></b>		
<b>11 28 13 00-0001</b>			<b>Accessories <small>(11 28 13)</small></b>		
11 28 13 00-0002	EA		32" Wall Track, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KN-020) .....	1,068.64	52.15
11 28 13 00-0003	EA		32" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KU-020).....	1,314.18	57.37
11 28 13 00-0004	EA		32" Wall Track, eDesk, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EN-020).....	1,715.80	62.59
11 28 13 00-0005	EA		32" Wall Track, eDesk, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EU-020) .....	1,855.49	67.80
11 28 13 00-0006	EA		32" Wall Track, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KN-020).....	1,367.36	57.37
11 28 13 00-0007	EA		32" Wall Track, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KU-020).....	1,427.52	57.37
11 28 13 00-0008	EA		32" Wall Track, eDesk, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EN-020).....	2,024.97	73.02
11 28 13 00-0009	EA		32" Wall Track, eDesk, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EU-020) .....	2,154.21	73.02
11 28 13 00-0010	EA		25" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (Ergotron 45-271-026) .....	1,134.04	57.37
11 28 13 00-0011	EA		37" To 61" Universal Tilt Flat Monitor Wall Mount (Premier Mounts CTM-MS2) .....	306.80	57.37
11 28 13 00-0012	EA		32" To 56" Universal Tilt Flat Monitor Wall Mount (Peerless ST650P).....	216.93	57.37
<b>11 30</b>			<b>Residential Equipment <small>(11)</small></b>		
<b>11 30 13</b>			<b>Residential Appliances <small>(11 30)</small></b>		
<b>11 30 13 13</b>			<b>Residential Kitchen Appliances <small>(11 30 13)</small></b>		
			Note: Includes standard colors. Excludes stainless steel.		
<b>11 30 13 13-0001</b>			<b>Ranges With Ovens <small>(11 30 13 13)</small></b>		
			Note: Free standing or slide in.		
<b>11 30 13 13-0002</b>			<b>Electric Ranges With Ovens <small>(11 30 13 13-0001)</small></b>		
11 30 13 13-0003	EA		20" Electric Range With Oven.....	832.62	79.34
			For Stainless Steel, Add	168.48	
11 30 13 13-0004	EA		24" Electric Range With Oven.....	871.24	79.34
			For Stainless Steel, Add	178.14	
11 30 13 13-0005	EA		30" Electric Range With Oven.....	849.81	79.34
			For Stainless Steel, Add	192.62	
11 30 13 13-0006	EA		30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHWV).....	903.24	79.34
<b>11 30 13 13-0007</b>			<b>Gas Ranges With Ovens <small>(11 30 13 13-0001)</small></b>		
11 30 13 13-0008	EA		20" Gas Range With Oven.....	929.17	79.34
			For Stainless Steel, Add	192.62	
11 30 13 13-0009	EA		24" Gas Range With Oven.....	979.38	79.34
			For Stainless Steel, Add	205.17	





<b>Equipment</b>	<b>11</b>
Residential Equipment	11 30
Residential Appliances	11 30 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0010 EA 30" Gas Range With Oven..... <i>For Stainless Steel, Add</i>	1,025.72 216.76	79.34
<b>11 30 13 13-0011 Range Hoods</b> <small>(11 30 13 13)</small>		
<b>11 30 13 13-0012 Venting Range Hoods</b> <small>(11 30 13 13-0011)</small>		
11 30 13 13-0013 EA 21" Venting Range Hood (Broan 40000) ..... <i>For Stainless Steel, Add</i>	270.97 22.79	59.51
11 30 13 13-0014 EA 24" Venting Range Hood (Broan 40000) ..... <i>For Stainless Steel, Add</i>	248.40 19.41	59.51
11 30 13 13-0015 EA 30" Venting Range Hood (Broan 40000) ..... <i>For Stainless Steel, Add</i>	244.44 18.81	59.51
11 30 13 13-0016 EA 36" Venting Range Hood (Broan 40000) ..... <i>For Stainless Steel, Add</i>	248.40 19.41	59.51
<b>11 30 13 13-0017 Non-Ducted Range Hoods</b> <small>(11 30 13 13-0011)</small>		
11 30 13 13-0018 EA 21" Non Ducted Range Hood (Broan 41000)..... <i>For Stainless Steel, Add</i>	273.89 23.23	59.51
11 30 13 13-0019 EA 24" Non Ducted Range Hood (Broan 41000)..... <i>For Stainless Steel, Add</i>	251.39 19.86	59.51
11 30 13 13-0020 EA 30" Non Ducted Range Hood (Broan 41000)..... <i>For Stainless Steel, Add</i>	247.41 19.26	59.51
11 30 13 13-0021 EA 36" Non Ducted Range Hood (Broan 41000)..... <i>For Stainless Steel, Add</i>	251.39 19.86	59.51
<b>11 30 13 13-0022 Microwaves</b> <small>(11 30 13 13)</small>		
<b>11 30 13 13-0023 Countertop Microwaves</b> <small>(11 30 13 13-0022)</small>		
11 30 13 13-0024 EA 1.1 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	178.18 23.75	9.92
11 30 13 13-0025 EA 1.2 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	212.92 28.96	9.92
11 30 13 13-0026 EA 1.3 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	218.71 29.83	9.92
11 30 13 13-0027 EA 1.4 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	268.94 37.37	9.92
11 30 13 13-0028 EA 1.5 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	288.25 40.26	9.92
11 30 13 13-0029 EA 1.6 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	307.56 43.16	9.92
11 30 13 13-0030 EA 1.7 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	326.87 46.05	9.92
11 30 13 13-0031 EA 1.8 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	346.18 48.95	9.92
11 30 13 13-0032 EA 2.0 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	367.40 52.13	9.92
<b>11 30 13 13-0033 Over-The-Range Microwaves</b> <small>(11 30 13 13-0022)</small>		
11 30 13 13-0034 EA 1.5 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	612.54 74.03	79.33
11 30 13 13-0035 EA 1.6 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	696.37 86.61	79.33
11 30 13 13-0036 EA 1.7 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	723.38 90.66	79.33
11 30 13 13-0037 EA 1.8 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	926.14 121.07	79.33
11 30 13 13-0038 EA 2.0 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	734.99 92.40	79.33
11 30 13 13-0039 EA 1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW).....	452.46	59.50
<b>11 30 13 13-0040 Trash Compactors</b> <small>(11 30 13 13)</small>		
11 30 13 13-0041 EA 15" Built-In Trash Compactor, 4 To 1 Compaction ..... <i>For Stainless Steel, Add</i>	1,411.92 225.58	79.34
<b>11 30 13 13-0042 Refrigerators</b> <small>(11 30 13 13)</small>		
<b>11 30 13 13-0043 Top Freezer Refrigerators</b> <small>(11 30 13 13-0042)</small>		
11 30 13 13-0044 EA Up To 10 CF Top Freezer Refrigerator ..... <i>For Stainless Steel, Add</i>	697.24 92.69	39.68
11 30 13 13-0045 EA >10 To 12 CF Top Freezer Refrigerator ..... <i>For Stainless Steel, Add</i>	849.81 115.57	39.68
11 30 13 13-0046 EA >12 To 14 CF Top Freezer Refrigerator ..... <i>For Stainless Steel, Add</i>	948.27 130.34	39.68
11 30 13 13-0047 EA >14 To 16 CF Top Freezer Refrigerator ..... <i>For Stainless Steel, Add</i>	1,006.20 139.03	39.68
11 30 13 13-0048 EA >16 To 18 CF Top Freezer Refrigerator ..... <i>For Stainless Steel, Add</i>	1,160.68 162.20	39.68

<b>11</b>	<b>Equipment</b>
<b>11 30</b>	<b>Residential Equipment</b>
<b>11 30 13</b>	<b>Residential Appliances</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0049 EA >18 To 20 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	1,293.94 182.19	39.68
11 30 13 13-0050 EA >20 To 22 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	1,392.40 196.96	39.68
11 30 13 13-0051 EA 14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW).....	1,224.38	39.68
<b>11 30 13 13-0052 Side-By-Side Refrigerators</b> (11 30 13 13-0042)		
11 30 13 13-0053 EA Up To 22 CF Side-By-Side Refrigerator..... <i>For Stainless Steel, Add</i>	1,430.81 202.72	39.68
11 30 13 13-0054 EA >22 To 24 CF Side-By-Side Refrigerator..... <i>For Stainless Steel, Add</i>	1,778.60 254.89	39.68
11 30 13 13-0055 EA >24 To 26 CF Side-By-Side Refrigerator..... <i>For Stainless Steel, Add</i>	2,010.32 289.65	39.68
<b>11 30 13 13-0056 Other Refrigerators</b> (11 30 13 13-0042)		
11 30 13 13-0057 EA 1.7 CF Dormitory Sized Refrigerator..... <i>For Stainless Steel, Add</i>	229.11 28.41	19.84
11 30 13 13-0058 EA 4.4 CF Dormitory Sized Refrigerator..... <i>For Stainless Steel, Add</i>	316.01 41.45	19.84
<b>11 30 13 13-0059 Freezers</b> (11 30 13 13)		
<b>11 30 13 13-0060 Upright Freezers</b> (11 30 13 13-0059)		
11 30 13 13-0061 EA Up To 10 CF Upright Freezer..... <i>For Stainless Steel, Add</i>	656.71 86.61	39.68
11 30 13 13-0062 EA >10 To 12 CF Upright Freezer..... <i>For Stainless Steel, Add</i>	849.81 115.57	39.68
11 30 13 13-0063 EA >12 To 14 CF Upright Freezer..... <i>For Stainless Steel, Add</i>	907.74 124.26	39.68
11 30 13 13-0064 EA >14 To 16 CF Upright Freezer..... <i>For Stainless Steel, Add</i>	1,042.91 144.54	39.68
11 30 13 13-0065 EA >16 To 18 CF Upright Freezer..... <i>For Stainless Steel, Add</i>	1,199.30 167.99	39.68
11 30 13 13-0066 EA >18 To 20 CF Upright Freezer..... <i>For Stainless Steel, Add</i>	1,276.56 179.58	39.68
11 30 13 13-0067 EA >20 To 22 CF Upright Freezer..... <i>For Stainless Steel, Add</i>	1,334.47 188.27	39.68
<b>11 30 13 13-0068 Chest Freezers</b> (11 30 13 13-0059)		
11 30 13 13-0069 EA Up To 8 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	523.45 66.62	39.68
11 30 13 13-0070 EA >8 To 10 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	658.62 86.89	39.68
11 30 13 13-0071 EA >10 To 12 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	706.92 94.14	39.68
11 30 13 13-0072 EA >12 To 14 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	793.79 107.17	39.68
11 30 13 13-0073 EA >14 To 16 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	849.81 115.57	39.68
11 30 13 13-0074 EA >16 To 18 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	1,042.91 144.54	39.68
11 30 13 13-0075 EA >18 To 20 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	1,293.94 182.19	39.68
11 30 13 13-0076 EA >20 To 22 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	1,334.47 188.27	39.68
<b>11 30 13 13-0077 Automatic Ice Makers</b> (11 30 13 13)		
11 30 13 13-0078 EA 15" Wide, 50 LB Per Day, Automatic Ice Maker.....	2,472.04	79.34
11 30 13 13-0079 EA 18" Wide, 50 LB Per Day, Automatic Ice Maker.....	2,761.69	79.34
<b>11 30 13 13-0080 Built-In Dishwashers</b> (11 30 13 13)		
11 30 13 13-0081 EA 18" Built-In Dishwasher..... <i>For Stainless Steel, Add</i>	1,182.11 153.51	79.34
11 30 13 13-0082 EA 24" Built-In Dishwasher..... <i>For Stainless Steel, Add</i>	776.60 92.69	79.34
<b>11 30 13 13-0083 Disposals</b> (11 30 13 13)		
11 30 13 13-0084 EA 1/3 HP Insulated Garbage Disposal (GE GFC320V).....	252.26	59.51
11 30 13 13-0085 EA 1/2 HP Insulated Garbage Disposal (GE GFC520V).....	290.88	59.51
11 30 13 13-0086 EA 3/4 HP Insulated Garbage Disposal (GE GFC720V).....	387.43	59.51
11 30 13 13-0087 EA 1 HP Insulated Garbage Disposal (GE GFC1020V).....	483.98	59.51
<b>11 30 13 13-0088 Removal And Reinstallation Of Kitchen Equipment</b> (11 30 13 13) Note: Includes storage, cleaning and final connections.		



<b>Equipment</b>	<b>11</b>	
Residential Equipment	11 30	11
Residential Appliances	11 30 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0089 EA Removal And Reinstallation Of Garbage Disposal .....	119.02	
11 30 13 13-0090 EA Removal And Reinstallation Of Stove/Range .....	238.04	
11 30 13 13-0091 EA Removal And Reinstallation Of Dishwasher .....	253.92	
11 30 13 13-0092 EA Removal And Reinstallation Of Range Hood .....	119.02	
11 30 13 13-0093 EA Removal And Reinstallation Of Washer And Dryer.....	198.37	
<b>11 30 13 13-0094 Appliance Repair (11 30 13 13)</b>		
Note: Includes removal.		
11 30 13 13-0095 EA 8" Burner Replacement.....	29.60	
11 30 13 13-0096 EA 4" Burner Element Replacement.....	53.10	
11 30 13 13-0097 EA 8" Burner Element Replacement.....	61.00	
11 30 13 13-0098 EA Burner Manifold Replacement .....	200.26	
11 30 13 13-0099 EA Burner Switch Replacement .....	83.76	
11 30 13 13-0100 EA Burner Tube, 5/8" x 4" Replacement .....	37.87	
11 30 13 13-0101 EA Oven Control Replacement.....	101.63	
11 30 13 13-0102 EA Oven Door Gasket Replacement .....	39.22	
11 30 13 13-0103 EA Oven Element Replacement .....	95.75	
11 30 13 13-0104 EA Oven Igniter Replacement .....	69.20	
11 30 13 13-0105 EA Oven Knobs Replacement .....	53.16	
<b>11 30 13 13-0106 Accessories (11 30 13 13)</b>		
11 30 13 13-0107 SF Colored Metal Range Splash Plate .....	17.53	3.17
11 30 13 13-0108 SF Stainless Steel Range Splash Plate .....	26.53	3.17
<b>11 30 13 13-0109 Automatic Water Softener (11 30 13 13)</b>		
11 30 13 13-0110 EA 30,000 Grain Capacity, Water Softener (Whirlpool WHES30) .....	1,235.55	195.28
11 30 13 13-0111 EA 40,000 Grain Capacity, Water Softener (Whirlpool WHES40) .....	1,472.75	195.28
<b>11 30 13 23 Residential Laundry Appliances (11 30 13)</b>		
<b>11 30 13 23-0001 Washing Machines And Dryers (11 30 13 23)</b>		
<b>11 30 13 23-0002 Washing Machines (11 30 13 23-0001)</b>		
11 30 13 23-0003 EA Up To 3.5 CF, Top Load Washing Machine.....	910.71	79.34
11 30 13 23-0004 EA >3.5 To 4 CF, Top Load Washing Machine .....	1,470.70	79.34
11 30 13 23-0005 EA >4 To 5 CF, Top Load Washing Machine .....	1,953.45	79.34
<b>11 30 13 23-0006 Dryers (11 30 13 23-0001)</b>		
<b>11 30 13 23-0007 Electric Dryers (11 30 13 23-0006)</b>		
11 30 13 23-0008 EA Up To 6 CF, Electric Dryer .....	696.39	79.34
11 30 13 23-0009 EA >6 To 6.5 CF, Electric Dryer .....	891.40	79.34
11 30 13 23-0010 EA >6.5 To 7 CF, Electric Dryer .....	1,103.81	79.34
11 30 13 23-0011 EA >7 To 7.5 CF, Electric Dryer .....	1,258.29	79.34
<b>11 30 13 23-0012 Gas Dryers (11 30 13 23-0006)</b>		
11 30 13 23-0013 EA Up To 6 CF, Gas Dryer.....	833.47	79.34
11 30 13 23-0014 EA >6 To 6.5 CF, Gas Dryer .....	1,026.57	79.34
11 30 13 23-0015 EA >6.5 To 7 CF, Gas Dryer .....	1,219.46	79.34
11 30 13 23-0016 EA >7 To 7.5 CF, Gas Dryer .....	1,393.46	79.34
<b>11 30 33 Retractable Stairs (11 30)</b>		
<b>11 30 33 00-0001 Disappearing Folding Access Stairs (11 30 33)</b>		
<b>11 30 33 00-0002 250 LB Capacity, Wood Folding Access Stairs (11 30 33 00-0001)</b>		
11 30 33 00-0003 EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity .....	657.27	217.95
11 30 33 00-0004 EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity .....	667.91	217.95
11 30 33 00-0005 EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity .....	667.91	217.95
11 30 33 00-0006 EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity .....	678.29	217.95
<b>11 30 33 00-0007 350 LB Capacity, Wood Folding Access Stairs (11 30 33 00-0001)</b>		
11 30 33 00-0008 EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	754.42	217.95
11 30 33 00-0009 EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	775.94	217.95
11 30 33 00-0010 EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	767.09	217.95
11 30 33 00-0011 EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	787.65	217.95
11 30 33 00-0012 EA 30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	779.38	217.95
11 30 33 00-0013 EA 30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	814.92	217.95
<b>11 30 33 00-0014 300 LB Capacity, Aluminum Folding Access Stairs (11 30 33 00-0001)</b>		
11 30 33 00-0015 EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	748.66	217.95
11 30 33 00-0016 EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	777.76	217.95

11	<b>11 Equipment</b>
	<b>11 30 Residential Equipment</b>
	<b>11 30 33 Retractable Stairs</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 30 33 00-0017	EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity .....	756.76	217.95
11 30 33 00-0018	EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity .....	785.85	217.95
11 30 33 00-0019	EA 25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity .....	947.87	217.95

**11 30 33 00-0020 300 LB Capacity, Steel Folding Access Stairs** (11 30 33 00-0001)

11 30 33 00-0021	EA 22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity.....	779.62	217.95
11 30 33 00-0022	EA 22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity.....	816.11	217.95

**11 32 Unit Kitchens** (11 30)

**11 32 13 Metal Unit Kitchens** (11 32)

Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.

**11 32 13 00-0001 30" Compact Kitchen** (11 32 13)

11 32 13 00-0002	EA 30" Compact Unit Kitchen With Refrigerator, Range And Sink .....	2,072.22	530.11
	<i>For Gas Unit, Add</i>	204.81	
11 32 13 00-0003	EA 30" Compact Unit Kitchen With Refrigerator And Sink.....	1,720.52	371.08
11 32 13 00-0004	EA 30" Compact Unit Kitchen With Refrigerator And Range .....	1,562.99	318.07
11 32 13 00-0005	EA 30" Compact Unit Kitchen Cabinet For Upper Wall Section.....	532.75	163.39
	<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0006	EA 30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,018.43	217.85
	<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0007	EA 30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall .....	63.82	15.87
11 32 13 00-0008	EA 30" Compact Unit Kitchen Stainless Steel Shield For Side Wall .....	58.12	15.87

**11 32 13 00-0009 42" Compact Kitchen** (11 32 13)

11 32 13 00-0010	EA 42" Compact Unit Kitchen With Refrigerator, Range And Sink .....	2,395.19	583.13
	<i>For Gas Unit, Add</i>	242.65	
11 32 13 00-0011	EA 42" Compact Unit Kitchen With Refrigerator And Sink.....	2,135.09	477.10
11 32 13 00-0012	EA 42" Compact Unit Kitchen Cabinet For Upper Wall Section.....	662.14	185.18
	<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0013	EA 42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,176.73	245.08
	<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0014	EA 42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall .....	75.58	15.87
11 32 13 00-0015	EA 42" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	64.35	15.87

**11 32 13 00-0016 54" Compact Kitchen** (11 32 13)

11 32 13 00-0017	EA 54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink.....	3,217.88	742.17
	<i>For Gas Unit, Add</i>	334.25	
11 32 13 00-0018	EA 54" Compact Unit Kitchen Cabinet For Upper Wall Section.....	813.32	108.92
	<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0019	EA 54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,308.43	272.32
	<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0020	EA 54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall .....	87.40	15.87
11 32 13 00-0021	EA 54" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	67.35	15.87

**11 32 13 00-0022 60" Compact Kitchen** (11 32 13)

11 32 13 00-0023	EA 60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink.....	3,392.56	795.17
	<i>For Gas Unit, Add</i>	349.85	
11 32 13 00-0024	EA 60" Compact Unit Kitchen Cabinet For Upper Wall Section.....	973.73	272.32
	<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0025	EA 60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall .....	92.22	15.87
11 32 13 00-0026	EA 60" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	67.35	15.87

**11 32 13 00-0027 72" Compact Kitchen** (11 32 13)

11 32 13 00-0028	EA 72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink.....	3,635.89	848.19
	<i>For Gas Unit, Add</i>	375.75	
11 32 13 00-0029	EA 72" Compact Unit Kitchen Cabinet For Upper Wall Section.....	1,185.64	326.78
	<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0030	EA 72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall .....	107.06	19.84
11 32 13 00-0031	EA 72" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	70.96	19.84

**11 40 Foodservice Equipment** (11)

**11 41 Foodservice Storage Equipment** (11 40)

**11 41 13 Refrigerated Food Storage Cases** (11 41)

**11 41 13 00-0001 Frozen Food Cases** (11 41 13)

11 41 13 00-0002	LF Chest Type Frozen Food Case.....	1,405.91	318.21
11 41 13 00-0003	LF Reach-in Frozen Food Case (Glass Door).....	2,788.02	318.21
11 41 13 00-0004	LF Island Type Frozen Food Case.....	1,650.21	318.21
11 41 13 00-0005	LF Multi-Deck Frozen Food Case .....	2,669.79	318.21



<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 13 00-0006	<b>Reach-In Refrigeration</b> <small>(11 41 13)</small>		
11 41 13 00-0007	<b>Reach-In Refrigerators</b> <small>(11 41 13 00-0006)</small>		
11 41 13 00-0008	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,969.98
11 41 13 00-0009	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	6,121.09
11 41 13 00-0010	EA	Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	8,185.33
11 41 13 00-0011	EA	Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,479.42
11 41 13 00-0012	EA	Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	7,131.51
11 41 13 00-0013	EA	Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	9,504.67
11 41 13 00-0014	EA	Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,975.12
11 41 13 00-0015	EA	Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	8,084.90
11 41 13 00-0016	EA	Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator.....	7,463.27
11 41 13 00-0017	EA	Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator.....	10,766.24

11 41 13 00-0018	<b>Reach-In Freezers</b> <small>(11 41 13 00-0006)</small>		
11 41 13 00-0019	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer.....	5,593.25
11 41 13 00-0020	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer.....	7,418.38

**11 41 23 Walk-In-Coolers** (11 41)

11 41 23 00-0001	<b>Walk-In Refrigerated Boxes</b> <small>(11 41 23)</small>		
Note: Overall height includes 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories, 21 13 16 00-0000 for dry-pipe sprinkler heads, 26 50 00 00-0000 for lighting.			

11 41 23 00-0002	<b>Walk-In Refrigerated Unit, 7'6" High With Floor</b> <small>(11 41 23 00-0001)</small>		
Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.			
11 41 23 00-0003	EA	6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	7,607.88
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,462.88
11 41 23 00-0004	EA	6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,047.42
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,767.97
11 41 23 00-0005	EA	6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,617.99
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,855.74
11 41 23 00-0006	EA	6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,930.12
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,074.37
11 41 23 00-0007	EA	6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,620.77
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,387.33
11 41 23 00-0008	EA	6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,993.33
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,620.16
11 41 23 00-0009	EA	6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,343.03
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,847.98
11 41 23 00-0010	EA	8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,976.42
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,945.34
11 41 23 00-0011	EA	8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,922.65
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,127.19
11 41 23 00-0012	EA	8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,355.81
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,375.25
11 41 23 00-0013	EA	8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,194.69
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,725.53
11 41 23 00-0014	EA	8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,647.76
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,979.37
11 41 23 00-0015	EA	8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,144.14
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,243.20
11 41 23 00-0016	EA	8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,595.32
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,497.04
11 41 23 00-0017	EA	8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,088.20
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,759.56
11 41 23 00-0018	EA	8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,546.49
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,014.72

11 41 23 00-0019	<b>Walk-In Refrigerated Unit, 7'6" High With Floor</b> <small>(11 41 23 00-0001)</small>		
Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.			

**11 Equipment****11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0020	EA		10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,344.92	1,975.55
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,428.07	
11 41 23 00-0021	EA		10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,895.77	2,304.80
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,706.08	
11 41 23 00-0022	EA		10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,509.03	2,634.06
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,999.08	
11 41 23 00-0023	EA		10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,039.52	2,963.32
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,272.11	
11 41 23 00-0024	EA		10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,671.85	3,292.58
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,571.41	
11 41 23 00-0025	EA		10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,205.03	3,621.84
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,843.12	
11 41 23 00-0026	EA		10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,841.32	3,951.10
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,144.00	
11 41 23 00-0027	EA		10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,364.88	4,280.35
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,415.45	
11 41 23 00-0028	EA		10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,001.89	4,609.61
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,714.76	
11 41 23 00-0029	EA		10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,536.28	4,938.86
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,987.78	
11 41 23 00-0030	EA		10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,391.12	5,432.75
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,287.35	
11 41 23 00-0031	EA		10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,124.74	5,926.64
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,558.80	
11 41 23 00-0032	EA		12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,314.13	2,469.44
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,005.39	
11 41 23 00-0033	EA		12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,082.52	2,798.69
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,338.06	
11 41 23 00-0034	EA		12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,720.80	3,127.95
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,637.37	
11 41 23 00-0035	EA		12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,481.01	3,457.21
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,968.47	
11 41 23 00-0036	EA		12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,127.35	3,786.46
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,269.35	
11 41 23 00-0037	EA		12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,888.36	4,115.73
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,600.18	
11 41 23 00-0038	EA		12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,519.85	4,444.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,899.49	
11 41 23 00-0039	EA		12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,293.17	4,774.24
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,232.16	
11 41 23 00-0040	EA		12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,043.05	5,185.81
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,531.47	
11 41 23 00-0041	EA		12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,025.21	5,679.70
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,862.57	
11 41 23 00-0042	EA		12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,885.24	6,173.58
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,163.45	
11 41 23 00-0043	EA		12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,859.99	6,667.47
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,494.28	
11 41 23 00-0044	EA		12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,708.84	7,161.36
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,793.59	
11 41 23 00-0045			<b>Walk-In Refrigerated Unit, 7'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0046	EA		14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,058.31	2,963.32
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,026.80	



<b>Equipment</b>	<b>11</b>
Foodservice Equipment	11 40
Foodservice Storage Equipment	11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0047	EA		14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,012.27	3,292.58
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,406.52	
11 41 23 00-0048	EA		14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,119.37	3,621.84
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,821.71	
11 41 23 00-0049	EA		14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,072.04	3,951.10
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,201.68	
11 41 23 00-0050	EA		14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,164.25	4,280.35
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,615.29	
11 41 23 00-0051	EA		14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,130.25	4,609.61
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,996.85	
11 41 23 00-0052	EA		14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,226.99	4,938.86
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,410.46	
11 41 23 00-0053	EA		14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,403.47	5,432.75
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,790.43	
11 41 23 00-0054	EA		14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,712.05	5,926.64
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,205.62	
11 41 23 00-0055	EA		14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,915.76	6,420.53
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,585.34	
11 41 23 00-0056	EA		14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,211.15	6,914.41
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,999.21	
11 41 23 00-0057	EA		14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	43,399.74	7,325.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,380.50	
<b>11 41 23 00-0058</b>			<b>Walk-In Refrigerated Unit, 7'6" High With Floor</b> <small>(11 41 23 00-0001)</small>		
			Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		
11 41 23 00-0059	EA		16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,013.79	3,457.21
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,851.66	
11 41 23 00-0060	EA		16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,252.96	3,786.46
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,300.75	
11 41 23 00-0061	EA		16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,421.80	4,115.73
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,733.54	
11 41 23 00-0062	EA		16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,658.72	4,444.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,184.21	
11 41 23 00-0063	EA		16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,832.52	4,774.24
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,617.00	
11 41 23 00-0064	EA		16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,181.53	5,185.81
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,066.09	
11 41 23 00-0065	EA		16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,576.78	5,679.70
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,500.46	
11 41 23 00-0066	EA		16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,029.63	6,173.58
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,949.55	
11 41 23 00-0067	EA		16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,412.22	6,667.47
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,382.34	
11 41 23 00-0068	EA		16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,866.50	7,161.36
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,833.00	
11 41 23 00-0069	EA		18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,062.84	3,951.10
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,699.38	
11 41 23 00-0070	EA		18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,354.76	4,280.35
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,162.92	
11 41 23 00-0071	EA		18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,761.18	4,609.61
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,654.58	
11 41 23 00-0072	EA		18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,052.37	4,938.86
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,116.80	
11 41 23 00-0073	EA		18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,680.83	5,432.75
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,609.77	
11 41 23 00-0074	EA		18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,177.56	5,926.64
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,072.00	

<b>11</b>	<b>Equipment</b>
<b>11 40</b>	<b>Foodservice Equipment</b>
<b>11 41</b>	<b>Foodservice Storage Equipment</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0075	EA		18' x 30' Walk-in Refrigerated Box, 7' 6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,829.04	6,420.53
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,563.66	
11 41 23 00-0076	EA		18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	45,323.09	6,914.41
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,027.20	
11 41 23 00-0077	EA		18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	47,953.15	7,408.30
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,518.85	
11 41 23 00-0078	EA		18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	50,660.98	8,011.94
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,981.08	
<b>11 41 23 00-0079</b>			<b>Walk-In Refrigerated Unit, 8'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.		
11 41 23 00-0080	EA		6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	7,988.38	1,317.04
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,558.01	
11 41 23 00-0081	EA		6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,194.57	1,481.66
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,804.76	
11 41 23 00-0082	EA		6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,101.50	1,646.29
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,976.61	
11 41 23 00-0083	EA		6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,485.11	1,975.55
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,213.11	
11 41 23 00-0084	EA		6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,207.29	2,304.80
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,533.96	
11 41 23 00-0085	EA		6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,651.32	2,634.06
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,784.65	
11 41 23 00-0086	EA		6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,032.56	2,963.32
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,020.37	
11 41 23 00-0087	EA		8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,499.87	1,646.29
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,076.21	
11 41 23 00-0088	EA		8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,477.63	1,810.91
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,265.93	
11 41 23 00-0089	EA		8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,982.27	2,140.18
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,531.86	
11 41 23 00-0090	EA		8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,852.69	2,469.44
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,890.03	
11 41 23 00-0091	EA		8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,377.23	2,798.69
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,161.74	
11 41 23 00-0092	EA		8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,905.14	3,127.95
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,433.45	
11 41 23 00-0093	EA		8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,427.80	3,457.21
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,705.16	
11 41 23 00-0094	EA		8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,952.21	3,786.46
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,975.56	
11 41 23 00-0095	EA		8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,481.98	4,115.73
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,248.59	
<b>11 41 23 00-0096</b>			<b>Walk-In Refrigerated Unit, 8'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0097	EA		10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,931.44	1,975.55
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,574.70	
11 41 23 00-0098	EA		10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,553.77	2,304.80
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,870.58	
11 41 23 00-0099	EA		10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,198.56	2,634.06
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,171.46	
11 41 23 00-0100	EA		10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,800.53	2,963.32
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,462.36	
11 41 23 00-0101	EA		10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,464.38	3,292.58
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,769.54	





<b>Equipment</b>	<b>11</b>
<b>Foodservice Equipment</b>	<b>11 40</b>
<b>Foodservice Storage Equipment</b>	<b>11 41</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0102 EA 10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,069.05	3,621.84
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,059.13	
11 41 23 00-0103 EA 10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,736.87	3,951.10
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,367.89	
11 41 23 00-0104 EA 10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,331.90	4,280.35
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,657.21	
11 41 23 00-0105 EA 10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,000.44	4,609.61
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,964.39	
11 41 23 00-0106 EA 10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,606.31	4,938.86
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,255.29	
11 41 23 00-0107 EA 10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,492.69	5,432.75
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,562.74	
11 41 23 00-0108 EA 10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,297.78	5,844.33
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,852.06	
11 41 23 00-0109 EA 12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,043.60	2,469.44
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,187.76	
11 41 23 00-0110 EA 12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,843.52	2,798.69
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,528.31	
11 41 23 00-0111 EA 12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,553.28	3,127.95
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,845.49	
11 41 23 00-0112 EA 12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,345.03	3,457.21
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,184.47	
11 41 23 00-0113 EA 12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,062.84	3,786.46
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,503.22	
11 41 23 00-0114 EA 12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,855.38	4,115.73
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,841.94	
11 41 23 00-0115 EA 12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,558.34	4,444.98
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,159.11	
11 41 23 00-0116 EA 12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,363.20	4,774.24
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,499.67	
11 41 23 00-0117 EA 12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,184.55	5,185.81
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,816.84	
11 41 23 00-0118 EA 12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,198.25	5,679.70
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,155.83	
11 41 23 00-0119 EA 12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,129.75	6,173.58
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,474.58	
11 41 23 00-0120 EA 12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,136.04	6,667.47
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,813.30	
11 41 23 00-0121 EA 12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,056.36	7,161.36
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,130.47	
<b>11 41 23 00-0122 Walk-In Refrigerated Unit, 8'6" High With Floor</b> <small>(11 41 23 00-0001)</small>		
<small>Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.</small>		
11 41 23 00-0123 EA 14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,850.85	2,963.32
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,224.94	
11 41 23 00-0124 EA 14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,876.29	3,292.58
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,622.52	
11 41 23 00-0125 EA 14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,014.91	3,621.84
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,045.59	
11 41 23 00-0126 EA 14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,039.06	3,951.10
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,443.44	
11 41 23 00-0127 EA 14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,162.80	4,280.35
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,864.93	
11 41 23 00-0128 EA 14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,200.28	4,609.61
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,264.35	
11 41 23 00-0129 EA 14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,328.55	4,938.86
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,685.85	

**11 Equipment**  
**11 40 Foodservice Equipment**  
**11 41 Foodservice Storage Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0130	EA		14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,576.51	5,432.75
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,083.69	
11 41 23 00-0131	EA		14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,916.62	5,926.64
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,506.77	
11 41 23 00-0132	EA		14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,191.81	6,420.53
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,904.35	
11 41 23 00-0133	EA		14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,518.73	6,914.41
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,326.11	
11 41 23 00-0134	EA		14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,778.80	7,408.30
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,725.27	
<b>11 41 23 00-0135</b>			<b>Walk-In Refrigerated Unit, 8'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		
11 41 23 00-0136	EA		16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,949.28	3,457.21
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,085.53	
11 41 23 00-0137	EA		16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,219.98	3,786.46
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,542.50	
11 41 23 00-0138	EA		16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,460.30	4,115.73
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,993.17	
11 41 23 00-0139	EA		16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,728.75	4,444.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,451.71	
11 41 23 00-0140	EA		16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,974.03	4,774.24
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,902.38	
11 41 23 00-0141	EA		16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,354.57	5,185.81
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,359.35	
11 41 23 00-0142	EA		16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,821.30	5,679.70
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,811.59	
11 41 23 00-0143	EA		16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,305.68	6,173.58
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,268.56	
11 41 23 00-0144	EA		16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	43,759.74	6,667.47
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,719.22	
11 41 23 00-0145	EA		16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,245.56	7,161.36
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,177.77	
11 41 23 00-0146	EA		18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,061.40	3,951.10
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,949.02	
11 41 23 00-0147	EA		18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,424.79	4,280.35
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,430.43	
11 41 23 00-0148	EA		18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,862.74	4,609.61
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,929.97	
11 41 23 00-0149	EA		18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,225.41	4,938.86
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,410.06	
11 41 23 00-0150	EA		18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,885.41	5,432.75
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,910.92	
11 41 23 00-0151	EA		18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,453.60	5,926.64
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,391.01	
11 41 23 00-0152	EA		18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,136.62	6,420.53
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,890.55	
11 41 23 00-0153	EA		18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,702.15	6,914.41
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,371.96	
11 41 23 00-0154	EA		18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	49,363.74	7,408.30
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,871.50	
11 41 23 00-0155	EA		18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	52,143.05	8,011.94
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,351.60	
<b>11 41 23 00-0156</b>			<b>Walk-In Refrigerated Unit Metal Price Add-Ons</b> <small>(11 41 23 00-0001)</small>		
11 41 23 00-0157	SF		Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume® .....	0.45	
11 41 23 00-0158	SF		Metal Price Add-ons, 24 Gauge White Polyester vs. 24 Gauge Galvalume® .....	0.83	



<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0159 SF Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume®.....	1.16	
11 41 23 00-0160 SF Metal Price Add-ons, 22 Gauge Stainless Steel vs. 24 Gauge Galvalume® .....	8.20	
11 41 23 00-0161 SF Metal Price Add-ons, 20 Gauge Stainless Steel vs. 24 Gauge Galvalume® .....	10.72	
11 41 23 00-0162 SF Metal Price Add-ons, 24 Gauge Embossed Tan Polyester vs. 24 Gauge Galvalume® .....	1.32	
11 41 23 00-0163 SF Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume® .....	3.25	
11 41 23 00-0164 SF Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume® .....	4.20	
11 41 23 00-0165 SF Metal Price Add-ons, 24 Gauge Smooth Kynar® Painted vs. 24 Gauge Galvalume® .....	4.41	
11 41 23 00-0166 SF Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor .....	-5.92	
11 41 23 00-0167 SF Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor .....	2.47	
11 41 23 00-0168 SF Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor .....	6.42	
11 41 23 00-0169 SF Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor.....	5.63	
11 41 23 00-0170 SF Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor.....	18.24	
11 41 23 00-0171 Air Cooled Condensing Units For Walk-In Coolers And Freezers (11 41 23)		
11 41 23 00-0172 Medium Temperature Hermetic System, Indoor (11 41 23 00-0171)		
Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0173 208/230 Volt, 1 Phase (11 41 23 00-0172)		
Note: Pre-Assembled indoor R404a.		
11 41 23 00-0174 EA 1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,480.90	146.46
11 41 23 00-0175 EA 3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,726.62	170.88
11 41 23 00-0176 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,446.78	195.28
11 41 23 00-0177 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,871.51	219.70
11 41 23 00-0178 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,467.49	244.10
11 41 23 00-0179 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,262.16	292.92
11 41 23 00-0180 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	9,886.35	341.74
11 41 23 00-0181 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	10,597.05	390.56
11 41 23 00-0182 208/230 Volt, 3 Phase (11 41 23 00-0172)		
Note: Pre-Assembled indoor R404a.		
11 41 23 00-0183 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,454.61	195.28
11 41 23 00-0184 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,871.51	219.70
11 41 23 00-0185 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,537.98	244.10
11 41 23 00-0186 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,178.24	292.92
11 41 23 00-0187 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,886.35	341.74
11 41 23 00-0188 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	10,499.71	390.56
11 41 23 00-0189 Medium Temperature Hermetic System, Outdoor (11 41 23 00-0171)		
Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0190 208/230 Volt, 1 Phase (11 41 23 00-0189)		
Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0191 EA 1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,666.37	146.46
11 41 23 00-0192 EA 3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,038.05	170.88
11 41 23 00-0193 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,656.51	195.28
11 41 23 00-0194 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,854.19	219.70
11 41 23 00-0195 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,211.69	244.10
11 41 23 00-0196 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,938.31	292.92
11 41 23 00-0197 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,930.65	341.74
11 41 23 00-0198 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,489.10	390.56
11 41 23 00-0199 208/230 Volt, 3 Phase (11 41 23 00-0189)		
Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0200 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,625.56	195.28
11 41 23 00-0201 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,866.73	219.70
11 41 23 00-0202 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,276.93	244.10
11 41 23 00-0203 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,876.41	292.92
11 41 23 00-0204 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,949.89	341.74
11 41 23 00-0205 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,412.14	390.56
11 41 23 00-0206 Low Temperature Hermetic System, Indoor (11 41 23 00-0171)		
Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0207 208/230 Volt, 1 Phase (11 41 23 00-0206)		
Note: Pre-Assembled indoor R404a.		
11 41 23 00-0208 EA 1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,097.40	146.46
11 41 23 00-0209 EA 3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,279.35	170.88
11 41 23 00-0210 EA 1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,525.10	195.28
11 41 23 00-0211 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,896.13	219.70
11 41 23 00-0212 EA 2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,412.67	244.10
11 41 23 00-0213 EA 3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,569.85	292.92

11	<b>11 Equipment</b>
	<b>11 40 Foodservice Equipment</b>
	<b>11 41 Foodservice Storage Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0214 <b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0206)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0215 EA    1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,532.93	195.28
11 41 23 00-0216 EA    1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,896.13	219.70
11 41 23 00-0217 EA    2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,485.40	244.10
11 41 23 00-0218 EA    3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,489.29	292.92
11 41 23 00-0219 <b>Low Temperature Hermetic System, Outdoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0220 <b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221 EA    1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,314.63	146.46
11 41 23 00-0222 EA    3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,382.67	170.88
11 41 23 00-0223 EA    1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,622.21	195.28
11 41 23 00-0224 EA    1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,011.44	219.70
11 41 23 00-0225 EA    2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,468.48	244.10
11 41 23 00-0226 EA    3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,158.30	292.92
11 41 23 00-0227 <b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0228 EA    1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,773.61	195.28
11 41 23 00-0229 EA    1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,085.89	219.70
11 41 23 00-0230 EA    2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,528.71	244.10
11 41 23 00-0231 EA    3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,097.23	292.92
11 41 23 00-0232 <b>Medium Temperature Semi-Hermetic System, Indoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0233 <b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0234 EA    1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,785.80	195.28
11 41 23 00-0235 EA    5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	13,268.94	390.56
11 41 23 00-0236 <b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0237 EA    1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,790.27	195.28
11 41 23 00-0238 EA    2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,020.50	244.10
11 41 23 00-0239 EA    3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	10,017.96	292.92
11 41 23 00-0240 EA    5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	13,086.56	390.56
11 41 23 00-0241 <b>Medium Temperature Semi-Hermetic System, Outdoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0242 <b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0243 EA    1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,845.55	195.28
11 41 23 00-0244 EA    5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	11,937.82	390.56
11 41 23 00-0245 <b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0246 EA    1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,853.91	195.28
11 41 23 00-0247 EA    2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,732.80	244.10
11 41 23 00-0248 EA    3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,239.41	292.92
11 41 23 00-0249 EA    5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	10,792.71	390.56
11 41 23 00-0250 <b>Low Temperature Semi-Hermetic System, Indoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251 <b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.		



<b>Equipment</b>	<b>11</b>	
<b>Foodservice Equipment</b>	<b>11 40</b>	<b>11</b>
<b>Foodservice Storage Equipment</b>	<b>11 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0252 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,929.42	170.88
11 41 23 00-0253 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,329.58	195.28
11 41 23 00-0254 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,431.23	219.70
11 41 23 00-0255 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,613.51	244.10
11 41 23 00-0256 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	10,896.28	292.92
<b>11 41 23 00-0257 208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,898.09	170.88
11 41 23 00-0259 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,325.10	195.28
11 41 23 00-0260 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,388.71	219.70
11 41 23 00-0261 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,539.66	244.10
11 41 23 00-0262 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	10,503.55	292.92
11 41 23 00-0263 EA 4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	14,713.20	341.74
11 41 23 00-0264 EA 6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	15,486.79	439.38
11 41 23 00-0265 EA 7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	22,371.19	512.62
<b>11 41 23 00-0266 Low Temperature Semi-Hermetic System, Outdoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0267 208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,973.21	170.88
11 41 23 00-0269 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,216.93	195.28
11 41 23 00-0270 EA 1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,068.73	219.70
11 41 23 00-0271 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,970.76	244.10
11 41 23 00-0272 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,729.57	292.92
<b>11 41 23 00-0273 208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,899.60	170.88
11 41 23 00-0275 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,220.28	195.28
11 41 23 00-0276 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,056.18	219.70
11 41 23 00-0277 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,908.87	244.10
11 41 23 00-0278 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,464.42	292.92
11 41 23 00-0279 EA 4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	12,322.90	341.74
11 41 23 00-0280 EA 6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	13,024.09	439.38
11 41 23 00-0281 EA 7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	18,304.79	512.62
<b>11 41 23 00-0282 Walk-In Refrigerated Boxes Accessories</b> <small>(11 41 23)</small>		
<b>11 41 23 00-0283 Accessories</b> <small>(11 41 23 00-0282)</small>		
11 41 23 00-0284 EA Super Door Package, For 36" Or 42" Door.....	644.26	
Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0285 EA Super Door Package, For 48" Door.....	842.92	
Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0286 EA Super Door Package, For 60" Door.....	842.92	
Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0287 EA 14" x 24" Observation Window, Heated.....	921.43	
11 41 23 00-0288 EA Heated Air Vent, Kason.....	369.60	
11 41 23 00-0289 EA Heated Air Vent, Bally Polyvinyl Chloride (PVC).....	795.30	
11 41 23 00-0290 EA Interior Ramps For 36" Or 42" Wide Doors.....	1,108.30	
11 41 23 00-0291 EA Interior Ramps For 48" Wide Doors.....	1,208.16	
11 41 23 00-0292 EA Interior Ramps For 60" Wide Doors.....	1,323.78	
11 41 23 00-0293 EA Exterior Ramps For 36" Or 42" Wide Doors.....	471.33	
11 41 23 00-0294 EA Exterior Ramps For 48" Wide Doors.....	832.91	
11 41 23 00-0295 EA Exterior Ramps For 60" Wide Doors.....	832.91	
11 41 23 00-0296 EA Field Installed Extra Vapor-Proof Lights.....	127.52	
11 41 23 00-0297 EA Field Installed Fluorescent Lights, 48", 2 Tubes.....	502.76	
11 41 23 00-0298 EA Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted).....	1,080.87	
11 41 23 00-0299 EA Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted).....	1,134.48	
11 41 23 00-0300 EA Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted).....	555.32	
11 41 23 00-0301 EA Locking Devices, 36" Or 42" Wide Locking Bar.....	325.13	
11 41 23 00-0302 EA Locking Devices, 48" Wide Locking Bar.....	367.17	
11 41 23 00-0303 EA Locking Devices, 60" Wide Locking Bar.....	367.17	
11 41 23 00-0304 EA Locking Devices, Mortise Dead Bolt (Cooler).....	632.05	
11 41 23 00-0305 EA Locking Devices, Mortise Dead Bolt (Freezer).....	770.80	
11 41 23 00-0306 EA Blast Freezer Kit, For 36" Or 42" Wide Doors.....	1,238.64	
11 41 23 00-0307 EA Blast Freezer Kit, For 48" Wide Doors.....	1,305.91	
11 41 23 00-0308 EA Blast Freezer Kit, For 60" Wide Doors.....	1,341.65	

**11 Equipment****11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

11 41 23 00-0309	EA	Hardware Options, Polished For 36" Or 42" Door.....	57.81	
11 41 23 00-0310	EA	Hardware Options, Polished For 48" Or 60" Door.....	47.30	
11 41 23 00-0311	EA	Hardware Options, Chrome For 36" Or 42" Door.....	146.10	
11 41 23 00-0312	EA	Hardware Options, Chrome For 48" Or 60" Door.....	78.83	
11 41 23 00-0313	EA	Hardware Options, Positive Latch, 36" Or 42" Door.....	195.62	
11 41 23 00-0314	EA	Hardware Options, Strap Hinges, 36" Or 42" Door.....	145.16	
11 41 23 00-0315	EA	4" Screed Door.....	413.74	
11 41 23 00-0316	EA	Doors Cut For Tile.....	489.42	
11 41 23 00-0317	EA	84" High Doors (36" Wide).....	489.42	
11 41 23 00-0318	EA	Doors Raised Or Lowered In Panel.....	1,045.46	
11 41 23 00-0319	EA	57-1/2" Door Section.....	332.81	
11 41 23 00-0320	EA	3 Way, Interior And Exterior, Light Switches.....	267.32	
11 41 23 00-0321	EA	3 Way (1 Side Only) Light Switch.....	136.40	
11 41 23 00-0322	EA	Structural Support, 5" Reinforcing Ceilings (Every 23").....	238.82	
11 41 23 00-0323	EA	Structural Support, 6" Reinforcing Ceilings (Every 23").....	297.69	
11 41 23 00-0324	LF	Structural Support, Self-Supporting Standard Angle.....	32.41	
11 41 23 00-0325	LF	Structural Support, Self-Supporting 6" Channel.....	41.08	
11 41 23 00-0326	LF	Structural Support, Self-Supporting 8" Channel.....	58.16	
11 41 23 00-0327	LF	Structural Support, Self-Supporting 10" Channel.....	91.00	
11 41 23 00-0328	LF	Structural Support, Suspended Ceiling Support.....	18.00	
11 41 23 00-0329	LF	Factory Prepared Opening, Foam Cut Opening.....	6.49	
11 41 23 00-0330	LF	Factory Prepared Opening, Metal Capped Opening.....	18.39	
11 41 23 00-0331	LF	Factory Prepared Opening, Wood Framed Opening.....	30.09	
11 41 23 00-0332	LF	Factory Prepared Opening, Metal Capped Wood Framed Opening.....	28.38	
11 41 23 00-0333	LF	Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer).....	96.89	
11 41 23 00-0334	SF	Outdoor Weather Roofs, Aluminum Roof Caps.....	24.18	
11 41 23 00-0335	SF	Outdoor Weather Roofs, Membrane Roof Caps.....	5.78	
11 41 23 00-0336	SF	Outdoor Weather Roofs, Painted Aluminum Roofs.....	30.04	
11 41 23 00-0337	SF	1/8" Aluminum Tread Plate.....	61.89	
11 41 23 00-0338	SF	3/16" Aluminum Tread Plate.....	74.62	
11 41 23 00-0339	EA	Digitemp Display Thermometer (Indoor Exterior Wall).....	250.97	
11 41 23 00-0340	EA	4-1/2" Dial Type Thermometer With 5" Cap Tube.....	226.79	
11 41 23 00-0341	EA	6" Dial Type Thermometer With 5" Cap Tube.....	700.84	
11 41 23 00-0342	EA	2" Dial Type Thermometer (Standard).....	88.05	
11 41 23 00-0343	LF	Extra Capillary Tubing.....	9.64	

**11 41 23 00-0344 Partition Wall For Walk-In Refrigerated Boxes (11 41 23 00-0282)**

Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.

11 41 23 00-0345	EA	5'-10" Length Partition Wall, 7'-2"/7'-6" High.....	2,502.08	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>119.62</i>	
11 41 23 00-0346	EA	6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	2,724.10	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>130.44</i>	
11 41 23 00-0347	EA	7'-9" Length Partition Wall, 7'-2"/7'-6" High.....	2,803.16	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>134.12</i>	
11 41 23 00-0348	EA	8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,029.39	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>145.16</i>	
11 41 23 00-0349	EA	9'-8" Length Partition Wall, 7'-2"/7'-6" High.....	2,969.70	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>141.90</i>	
11 41 23 00-0350	EA	10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,190.66	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>152.67</i>	
11 41 23 00-0351	EA	11'-7" Length Partition Wall, 7'-2"/7'-6" High.....	3,259.21	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>155.83</i>	
11 41 23 00-0352	EA	12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,572.68	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>171.23</i>	
11 41 23 00-0353	EA	13'-6" Length Partition Wall, 7'-2"/7'-6" High.....	3,437.33	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>164.18</i>	
11 41 23 00-0354	EA	14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,659.35	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>175.01</i>	
11 41 23 00-0355	EA	15'-5" Length Partition Wall, 7'-2"/7'-6" High.....	3,743.66	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>178.95</i>	
11 41 23 00-0356	EA	16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,966.72	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>189.83</i>	
11 41 23 00-0357	EA	17'-4" Length Partition Wall, 7'-2"/7'-6" High.....	4,563.06	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>219.37</i>	
11 41 23 00-0358	EA	5'-10" Length Partition Wall, 8'-2"/8'-6" High.....	2,727.01	
		Note: Galvalume both sides.		
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	<i>130.86</i>	



<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0359 EA 6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	2,915.40  140.01	
11 41 23 00-0360 EA 7'-9" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,008.13  144.37	
11 41 23 00-0361 EA 8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,258.53  156.62	
11 41 23 00-0362 EA 9'-8" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,186.23  152.73	
11 41 23 00-0363 EA 10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,435.57  164.92	
11 41 23 00-0364 EA 11'-7" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,529.35  169.33	
11 41 23 00-0365 EA 12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,778.69  181.53	
11 41 23 00-0366 EA 13'-6" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,706.41  177.64	
11 41 23 00-0367 EA 14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,955.76  189.83	
11 41 23 00-0368 EA 15'-5" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	4,049.53  194.25	
11 41 23 00-0369 EA 16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	4,298.87  206.44	
11 41 23 00-0370 EA 17'-4" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	4,226.58  202.55	
<b>11 41 23 00-0371 Glass Doors For Walk-In Refrigerated Boxes</b> (11 41 23 00-0282) Note: Factory installed, includes lights and 5 tier shelves.		
11 41 23 00-0372 EA 23" x 67" Glass Door, Displayrite, Coolrite Model.....	1,043.75	
11 41 23 00-0373 EA 23" x 73" Glass Door, Displayrite, Coolrite Model.....	1,140.45	
11 41 23 00-0374 EA 30" x 67" Glass Door, Displayrite, Coolrite Model.....	1,149.91	
11 41 23 00-0375 EA 30" x 73" Glass Door, Displayrite, Coolrite Model.....	1,271.84	
11 41 23 00-0376 EA 23" x 67" Glass Door, Displayrite, Freezerite Model.....	1,395.87	
11 41 23 00-0377 EA 23" x 73" Glass Door, Displayrite, Freezerite Model.....	1,484.17	
11 41 23 00-0378 EA 30" x 67" Glass Door, Displayrite, Freezerite Model.....	1,489.42	
11 41 23 00-0379 EA 30" x 73" Glass Door, Displayrite, Freezerite Model.....	1,733.28	
11 41 23 00-0380 EA 24" x 67" Glass Door, Anthony Model 101.....	1,419.00	
11 41 23 00-0381 EA 26" x 67" Glass Door, Anthony Model 101.....	1,757.46	
11 41 23 00-0382 EA 30" x 67" Glass Door, Anthony Model 101.....	1,876.23	
11 41 23 00-0383 EA 30x75 Glass Door, Anthony Model 101.....	1,916.17	
11 41 23 00-0384 EA 24" x 67" Glass Door, Anthony Model 101.....	2,161.08	
11 41 23 00-0385 EA 26" x 67" Glass Door, Anthony Model 101.....	2,398.63	
11 41 23 00-0386 EA 30" x 67" Glass Door, Anthony Model 101.....	2,442.78	
11 41 23 00-0387 EA 30" x 75" Glass Door, Anthony Model 101.....	2,605.70	
11 41 23 00-0388 EA 23" x 67" Glass Door, Anthony Model 401.....	1,120.48	
11 41 23 00-0389 EA 26-3/4" x 67" Glass Door, Anthony Model 401.....	1,180.40	
11 41 23 00-0390 EA 30-1/4" x 67" Glass Door, Anthony Model 401.....	1,587.18	
11 41 23 00-0391 EA 30-1/4" x 75" Glass Door, Anthony Model 401.....	1,361.19	
11 41 23 00-0392 EA 23" x 67" Glass Door, Anthony Model 401.....	1,511.50	
11 41 23 00-0393 EA 26-3/4" x 67" Glass Door, Anthony Model 401.....	1,581.92	
11 41 23 00-0394 EA 30-1/4" x 67" Glass Door, Anthony Model 401.....	1,587.18	
11 41 23 00-0395 EA 30-1/4" x 75" Glass Door, Anthony Model 401.....	1,889.90	
<b>11 41 23 00-0396 Modular Wire Shelving For Walk-In Refrigerated Boxes</b> (11 41 23 00-0282)		
11 41 23 00-0397 EA 14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	406.06  402.00	
11 41 23 00-0398 EA 14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	428.37  402.00	
11 41 23 00-0399 EA 14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	475.88  402.00	
11 41 23 00-0400 EA 14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	502.40  402.00	
11 41 23 00-0401 EA 14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	547.01  402.00	
11 41 23 00-0402 EA 18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	466.21  402.00	
11 41 23 00-0403 EA 18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	479.04  402.00	
11 41 23 00-0404 EA 18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	527.62  402.00	

**11 Equipment**  
**11 40 Foodservice Equipment**  
**11 41 Foodservice Storage Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0405	EA		18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	552.03 402.00	
11 41 23 00-0406	EA		18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	629.23 402.00	
11 41 23 00-0407	EA		21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	507.42 402.00	
11 41 23 00-0408	EA		21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	515.01 402.00	
11 41 23 00-0409	EA		21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	584.62 402.00	
11 41 23 00-0410	EA		21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	590.11 402.00	
11 41 23 00-0411	EA		21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	677.82 402.00	
11 41 23 00-0412	EA		14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	351.40 402.00	
11 41 23 00-0413	EA		14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	369.51 402.00	
11 41 23 00-0414	EA		14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	404.41 402.00	
11 41 23 00-0415	EA		14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	414.10 402.00	
11 41 23 00-0416	EA		14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	471.33 402.00	
11 41 23 00-0417	EA		18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	386.33 402.00	
11 41 23 00-0418	EA		18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	413.87 402.00	
11 41 23 00-0419	EA		18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	438.28 402.00	
11 41 23 00-0420	EA		18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	445.87 402.00	
11 41 23 00-0421	EA		18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	523.07 402.00	
11 41 23 00-0422	EA		21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	423.33 402.00	
11 41 23 00-0423	EA		21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	440.38 402.00	
11 41 23 00-0424	EA		21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	472.15 402.00	
11 41 23 00-0425	EA		21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	490.25 402.00	
11 41 23 00-0426	EA		21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	569.55 402.00	
11 41 23 00-0427	EA		14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	1,805.89 402.00	
11 41 23 00-0428	EA		14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	2,014.56 402.00	
11 41 23 00-0429	EA		14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	2,055.07 402.00	
11 41 23 00-0430	EA		14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	2,095.59 402.00	
11 41 23 00-0431	EA		14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	2,533.96 402.00	
11 41 23 00-0432	EA		18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	1,895.46 402.00	
11 41 23 00-0433	EA		18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	2,013.03 402.00	
11 41 23 00-0434	EA		18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	2,228.71 402.00	
11 41 23 00-0435	EA		18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	2,318.28 402.00	
11 41 23 00-0436	EA		18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	2,833.72 402.00	
11 41 23 00-0437	EA		21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	2,048.06 402.00	
11 41 23 00-0438	EA		21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	2,235.72 402.00	
11 41 23 00-0439	EA		21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	2,451.40 402.00	
11 41 23 00-0440	EA		21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	2,540.96 402.00	
11 41 23 00-0441	EA		21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts ..... <i>For Cantilever Shelving, Add</i>	3,224.56 402.00	
11 41 23 00-0442	EA		14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	479.27 472.00	
11 41 23 00-0443	EA		14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	516.30 472.00	
11 41 23 00-0444	EA		14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	558.57 472.00	
11 41 23 00-0445	EA		14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	597.70 472.00	
11 41 23 00-0446	EA		14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	648.62 472.00	





<b>Equipment</b>	<b>11</b>	
<b>Foodservice Equipment</b>	<b>11 40</b>	<b>11</b>
<b>Foodservice Storage Equipment</b>	<b>11 41</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0447	EA		18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	563.60 472.00	
11 41 23 00-0448	EA		18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	578.55 472.00	
11 41 23 00-0449	EA		18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	636.59 472.00	
11 41 23 00-0450	EA		18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	667.31 472.00	
11 41 23 00-0451	EA		18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	760.26 472.00	
11 41 23 00-0452	EA		21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	613.23 472.00	
11 41 23 00-0453	EA		21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	633.44 472.00	
11 41 23 00-0454	EA		21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	698.84 472.00	
11 41 23 00-0455	EA		21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	714.84 472.00	
11 41 23 00-0456	EA		21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	818.31 472.00	
11 41 23 00-0457	EA		14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	413.05 472.00	
11 41 23 00-0458	EA		14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	434.31 472.00	
11 41 23 00-0459	EA		14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	476.59 472.00	
11 41 23 00-0460	EA		14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	487.33 472.00	
11 41 23 00-0461	EA		14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	556.12 472.00	
11 41 23 00-0462	EA		18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	464.79 472.00	
11 41 23 00-0463	EA		18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	496.56 472.00	
11 41 23 00-0464	EA		18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	563.01 472.00	
11 41 23 00-0465	EA		18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	560.09 472.00	
11 41 23 00-0466	EA		18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	625.72 472.00	
11 41 23 00-0467	EA		21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	509.17 472.00	
11 41 23 00-0468	EA		21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	529.38 472.00	
11 41 23 00-0469	EA		21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	568.50 472.00	
11 41 23 00-0470	EA		21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	588.71 472.00	
11 41 23 00-0471	EA		21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	685.87 472.00	
11 41 23 00-0472	EA		14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,204.19 472.00	
11 41 23 00-0473	EA		14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,463.66 472.00	
11 41 23 00-0474	EA		14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,512.94 472.00	
11 41 23 00-0475	EA		14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,562.22 472.00	
11 41 23 00-0476	EA		14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,107.43 472.00	
11 41 23 00-0477	EA		18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,314.77 472.00	
11 41 23 00-0478	EA		18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,460.39 472.00	
11 41 23 00-0479	EA		18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,728.62 472.00	
11 41 23 00-0480	EA		18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,839.21 472.00	
11 41 23 00-0481	EA		18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,480.75 472.00	
11 41 23 00-0482	EA		21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,504.18 472.00	
11 41 23 00-0483	EA		21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,737.38 472.00	
11 41 23 00-0484	EA		21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,005.61 472.00	
11 41 23 00-0485	EA		21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,116.19 472.00	
11 41 23 00-0486	EA		21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,967.93 472.00	

**11 41 31 Non-Refrigerated Storage Equipment** (11 41)

11 41 31 00-0001 Wall Cabinets (11 41 31)

<b>11</b>	<b>Equipment</b>
<b>11 40</b>	<b>Foodservice Equipment</b>
<b>11 41</b>	<b>Foodservice Storage Equipment</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 31 00-0002	EA		48" Wall Cabinet With Sliding Doors..... Note: 15" deep and 24" high.	2,258.61	85.07
11 41 31 00-0003	EA		72" Wall Cabinet With Sliding Doors..... Note: 15" deep and 24" high.	2,980.18	112.30
11 41 31 00-0004	EA		72" Wall Cabinet With Hinged Doors ..... Note: 15" deep and 24" high.	3,420.62	128.75
11 41 31 00-0005	EA		72" Wall Cabinet With Open Shelves..... Note: 15" deep and 24" high.	2,189.17	82.13
<b>11 41 31 00-0006</b>			<b>Mobile Sheet Pan Truck</b> <small>(11 41 31)</small>		
11 41 31 00-0007	EA		2 Level Mobile Sheet Pan Truck.....	209.85	6.64
<b>11 41 31 00-0008</b>			<b>Pot And Utensil Rack</b> <small>(11 41 31)</small>		
11 41 31 00-0009	EA		70" Bench Type Pot And Utensil Rack.....	612.16	20.24
11 41 31 00-0010	EA		94" Bench Type Pot And Utensil Rack.....	709.51	22.87
11 41 31 00-0011	EA		94" Ceiling Type Pot And Utensil Rack.....	843.49	27.40
11 41 31 00-0012	EA		96" Wall Type Pot And Utensil Rack.....	458.72	14.97
<b>11 41 31 00-0013</b>			<b>Tray And Silverware Cart</b> <small>(11 41 31)</small>		
11 41 31 00-0014	EA		33" x 22-1/2" x 42" Tray And Silverware Cart.....	2,117.43	68.31
<b>11 41 31 00-0015</b>			<b>Flat Top Utility Units</b> <small>(11 41 31)</small>		
11 41 31 00-0016	EA		39" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	1,443.67	46.69
11 41 31 00-0017	EA		79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	1,934.62	62.40
<b>11 41 33</b>			<b>Foodservice Shelving</b> <small>(11 41)</small>		
<b>11 41 33 00-0001</b>			<b>Shelving/Racks</b> <small>(11 41 33)</small>		
<b>11 41 33 00-0002</b>			<b>Chrome Shelving Units</b> <small>(11 41 33 00-0001)</small>		
<b>11 41 33 00-0003</b>			<b>54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit</b> <small>(11 41 33 00-0002)</small>		
11 41 33 00-0004	EA		14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	338.94	31.96
11 41 33 00-0005	EA		14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	358.74	32.23
11 41 33 00-0006	EA		14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	383.35	32.49
11 41 33 00-0007	EA		14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	398.47	32.76
11 41 33 00-0008	EA		14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	427.73	33.03
11 41 33 00-0009	EA		14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	452.43	33.29
11 41 33 00-0010	EA		14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	472.23	33.55
11 41 33 00-0011	EA		14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	516.64	34.08
11 41 33 00-0012	EA		18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	372.99	32.23
11 41 33 00-0013	EA		18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	388.10	32.49
11 41 33 00-0014	EA		18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	403.25	32.76
11 41 33 00-0015	EA		18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	446.86	33.03
11 41 33 00-0016	EA		18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	476.22	33.29
11 41 33 00-0017	EA		18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	515.05	33.55
11 41 33 00-0018	EA		18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	530.08	33.82
11 41 33 00-0019	EA		18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	584.14	34.34
11 41 33 00-0020	EA		21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	392.89	32.49
11 41 33 00-0021	EA		21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	426.94	32.76
11 41 33 00-0022	EA		21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	451.64	33.03
11 41 33 00-0023	EA		21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	480.91	33.29
11 41 33 00-0024	EA		21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	500.80	33.55
11 41 33 00-0025	EA		21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	549.21	33.82
11 41 33 00-0026	EA		21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	573.79	34.08
11 41 33 00-0027	EA		21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	637.30	34.61
11 41 33 00-0028	EA		24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	436.60	32.76
11 41 33 00-0029	EA		24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	456.43	33.03
11 41 33 00-0030	EA		24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	471.44	33.29
11 41 33 00-0031	EA		24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	510.37	33.55
11 41 33 00-0032	EA		24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	534.96	33.82
11 41 33 00-0033	EA		24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	583.35	34.08
11 41 33 00-0034	EA		24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	617.40	34.34
11 41 33 00-0035	EA		24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	700.02	34.87
11 41 33 00-0036	EA		30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	589.75	33.03
11 41 33 00-0037	EA		30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	666.59	33.29
11 41 33 00-0038	EA		30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	715.08	33.55
11 41 33 00-0039	EA		30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	825.41	33.82
11 41 33 00-0040	EA		36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	654.74	34.08
11 41 33 00-0041	EA		36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	727.02	34.34
11 41 33 00-0042	EA		36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	818.15	34.61
11 41 33 00-0043	EA		36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	965.64	35.13
<b>11 41 33 00-0044</b>			<b>63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit</b> <small>(11 41 33 00-0002)</small>		
11 41 33 00-0045	EA		14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	343.63	31.96



<b>Equipment</b>	<b>11</b>	
<b>Foodservice Equipment</b>	<b>11 40</b>	11
<b>Foodservice Storage Equipment</b>	<b>11 41</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0046	EA	14" x 30"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	363.43	32.23
11 41 33 00-0047	EA	14" x 36"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	388.01	32.49
11 41 33 00-0048	EA	14" x 42"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	403.15	32.76
11 41 33 00-0049	EA	14" x 48"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	432.42	33.03
11 41 33 00-0050	EA	14" x 54"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	457.10	33.29
11 41 33 00-0051	EA	14" x 60"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	476.92	33.55
11 41 33 00-0052	EA	14" x 72"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	521.30	34.08
11 41 33 00-0053	EA	18" x 24"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	377.65	32.23
11 41 33 00-0054	EA	18" x 30"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	392.79	32.49
11 41 33 00-0055	EA	18" x 36"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	407.94	32.76
11 41 33 00-0056	EA	18" x 42"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	451.52	33.03
11 41 33 00-0057	EA	18" x 48"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	480.91	33.29
11 41 33 00-0058	EA	18" x 54"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	519.71	33.55
11 41 33 00-0059	EA	18" x 60"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	534.76	33.82
11 41 33 00-0060	EA	18" x 72"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	542.55	34.34
11 41 33 00-0061	EA	21" x 24"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	397.57	32.49
11 41 33 00-0062	EA	21" x 30"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	431.63	32.76
11 41 33 00-0063	EA	21" x 36"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	456.31	33.03
11 41 33 00-0064	EA	21" x 42"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	485.57	33.29
11 41 33 00-0065	EA	21" x 48"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	505.49	33.55
11 41 33 00-0066	EA	21" x 54"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	553.87	33.82
11 41 33 00-0067	EA	21" x 60"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	578.47	34.08
11 41 33 00-0068	EA	21" x 72"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	641.99	34.61
11 41 33 00-0069	EA	24" x 24"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	441.29	32.76
11 41 33 00-0070	EA	24" x 30"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	461.09	33.03
11 41 33 00-0071	EA	24" x 36"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	476.13	33.29
11 41 33 00-0072	EA	24" x 42"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	515.05	33.55
11 41 33 00-0073	EA	24" x 48"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	539.64	33.82
11 41 33 00-0074	EA	24" x 54"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	588.01	34.08
11 41 33 00-0075	EA	24" x 60"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	622.06	34.34
11 41 33 00-0076	EA	24" x 72"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	704.70	34.87
11 41 33 00-0077	EA	30" x 36"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	594.41	33.03
11 41 33 00-0078	EA	30" x 48"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	671.28	33.29
11 41 33 00-0079	EA	30" x 60"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	719.74	33.55
11 41 33 00-0080	EA	30" x 72"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	830.07	33.82
11 41 33 00-0081	EA	36" x 36"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	659.41	34.08
11 41 33 00-0082	EA	36" x 48"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	731.69	34.34
11 41 33 00-0083	EA	36" x 60"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	822.89	34.61
11 41 33 00-0084	EA	36" x 72"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	970.30	35.13
<b>11 41 33 00-0085 66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)</b>					
11 41 33 00-0086	EA	14" x 24"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	346.07	31.96
11 41 33 00-0087	EA	14" x 30"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	365.87	32.23
11 41 33 00-0088	EA	14" x 36"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	390.45	32.49
11 41 33 00-0089	EA	14" x 42"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	405.59	32.76
11 41 33 00-0090	EA	14" x 48"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	434.86	33.03
11 41 33 00-0091	EA	14" x 54"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	459.54	33.29
11 41 33 00-0092	EA	14" x 60"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	479.36	33.55
11 41 33 00-0093	EA	14" x 72"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	523.74	34.08
11 41 33 00-0094	EA	18" x 24"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	380.12	32.23
11 41 33 00-0095	EA	18" x 30"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	395.23	32.49
11 41 33 00-0096	EA	18" x 36"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	410.38	32.76
11 41 33 00-0097	EA	18" x 42"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	453.99	33.03
11 41 33 00-0098	EA	18" x 48"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	483.35	33.29
11 41 33 00-0099	EA	18" x 54"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	522.15	33.55
11 41 33 00-0100	EA	18" x 60"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	537.20	33.82
11 41 33 00-0101	EA	18" x 72"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	591.27	34.34
11 41 33 00-0102	EA	21" x 24"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	400.01	32.49
11 41 33 00-0103	EA	21" x 30"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	434.07	32.76
11 41 33 00-0104	EA	21" x 36"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	458.75	33.03
11 41 33 00-0105	EA	21" x 42"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	488.01	33.29
11 41 33 00-0106	EA	21" x 48"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	507.93	33.55
11 41 33 00-0107	EA	21" x 54"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	556.31	33.82
11 41 33 00-0108	EA	21" x 60"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	580.91	34.08
11 41 33 00-0109	EA	21" x 72"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	644.43	34.61
11 41 33 00-0110	EA	24" x 24"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	443.73	32.76
11 41 33 00-0111	EA	24" x 30"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	463.53	33.03
11 41 33 00-0112	EA	24" x 36"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	478.57	33.29
11 41 33 00-0113	EA	24" x 42"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	517.49	33.55
11 41 33 00-0114	EA	24" x 48"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	542.08	33.82
11 41 33 00-0115	EA	24" x 54"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	590.48	34.08
11 41 33 00-0116	EA	24" x 60"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	624.50	34.34
11 41 33 00-0117	EA	24" x 72"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	707.14	34.87
11 41 33 00-0118	EA	30" x 36"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	596.85	33.03
11 41 33 00-0119	EA	30" x 48"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	673.71	33.29
11 41 33 00-0120	EA	30" x 60"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	722.21	33.55
11 41 33 00-0121	EA	30" x 72"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	832.51	33.82
11 41 33 00-0122	EA	36" x 36"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	661.85	34.08
11 41 33 00-0123	EA	36" x 48"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	734.13	34.34
11 41 33 00-0124	EA	36" x 60"	Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	825.30	34.61

**11 Equipment**  
**11 40 Foodservice Equipment**  
**11 41 Foodservice Storage Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0125	EA		36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	972.74	35.13
<b>11 41 33 00-0126</b>			<b>74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit</b> <small>(11 41 33 00-0002)</small>		
11 41 33 00-0127	EA		14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	353.17	31.96
11 41 33 00-0128	EA		14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	372.99	32.23
11 41 33 00-0129	EA		14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	397.57	32.49
11 41 33 00-0130	EA		14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	412.72	32.76
11 41 33 00-0131	EA		14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	441.98	33.03
11 41 33 00-0132	EA		14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	466.66	33.29
11 41 33 00-0133	EA		14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	486.48	33.55
11 41 33 00-0134	EA		14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	530.87	34.08
11 41 33 00-0135	EA		18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	387.22	32.23
11 41 33 00-0136	EA		18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	402.35	32.49
11 41 33 00-0137	EA		18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	417.50	32.76
11 41 33 00-0138	EA		18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	461.09	33.03
11 41 33 00-0139	EA		18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	490.45	33.29
11 41 33 00-0140	EA		18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	529.28	33.55
11 41 33 00-0141	EA		18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	544.33	33.82
11 41 33 00-0142	EA		18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	598.37	34.34
11 41 33 00-0143	EA		21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	407.14	32.49
11 41 33 00-0144	EA		21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	441.19	32.76
11 41 33 00-0145	EA		21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	465.87	33.03
11 41 33 00-0146	EA		21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	495.14	33.29
11 41 33 00-0147	EA		21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	515.05	33.55
11 41 33 00-0148	EA		21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	563.43	33.82
11 41 33 00-0149	EA		21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	588.01	34.08
11 41 33 00-0150	EA		21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	651.55	34.61
11 41 33 00-0151	EA		24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	450.85	32.76
11 41 33 00-0152	EA		24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	470.65	33.03
11 41 33 00-0153	EA		24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	485.69	33.29
11 41 33 00-0154	EA		24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	524.59	33.55
11 41 33 00-0155	EA		24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	549.21	33.82
11 41 33 00-0156	EA		24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	597.58	34.08
11 41 33 00-0157	EA		24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	631.62	34.34
11 41 33 00-0158	EA		24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	714.27	34.87
11 41 33 00-0159	EA		30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	603.97	33.03
11 41 33 00-0160	EA		30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	680.84	33.29
11 41 33 00-0161	EA		30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	729.31	33.55
11 41 33 00-0162	EA		30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	839.64	33.82
11 41 33 00-0163	EA		36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	668.97	34.08
11 41 33 00-0164	EA		36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	741.25	34.34
11 41 33 00-0165	EA		36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	832.45	34.61
11 41 33 00-0166	EA		36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	979.86	35.13
<b>11 41 33 00-0167</b>			<b>86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit</b> <small>(11 41 33 00-0002)</small>		
11 41 33 00-0168	EA		14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	372.20	31.96
11 41 33 00-0169	EA		14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	392.00	32.23
11 41 33 00-0170	EA		14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	416.58	32.49
11 41 33 00-0171	EA		14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	431.73	32.76
11 41 33 00-0172	EA		14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	460.99	33.03
11 41 33 00-0173	EA		14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	485.69	33.29
11 41 33 00-0174	EA		14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	505.49	33.55
11 41 33 00-0175	EA		14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	549.90	34.08
11 41 33 00-0176	EA		18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	406.25	32.23
11 41 33 00-0177	EA		18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	421.36	32.49
11 41 33 00-0178	EA		18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	436.51	32.76
11 41 33 00-0179	EA		18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	480.12	33.03
11 41 33 00-0180	EA		18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	509.48	33.29
11 41 33 00-0181	EA		18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	548.31	33.55
11 41 33 00-0182	EA		18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	563.34	33.82
11 41 33 00-0183	EA		18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	617.40	34.34
11 41 33 00-0184	EA		21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	426.14	32.49
11 41 33 00-0185	EA		21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	460.20	32.76
11 41 33 00-0186	EA		21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	484.90	33.03
11 41 33 00-0187	EA		21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	514.14	33.29
11 41 33 00-0188	EA		21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	534.06	33.55
11 41 33 00-0189	EA		21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	582.46	33.82
11 41 33 00-0190	EA		21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	607.04	34.08
11 41 33 00-0191	EA		21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	670.56	34.61
11 41 33 00-0192	EA		24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	469.86	32.76
11 41 33 00-0193	EA		24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	489.66	33.03
11 41 33 00-0194	EA		24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	504.70	33.29
11 41 33 00-0195	EA		24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	543.63	33.55
11 41 33 00-0196	EA		24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	568.21	33.82
11 41 33 00-0197	EA		24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	616.61	34.08
11 41 33 00-0198	EA		24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	650.63	34.34
11 41 33 00-0199	EA		24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	733.28	34.87
11 41 33 00-0200	EA		30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	622.98	33.03
11 41 33 00-0201	EA		30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	699.85	33.29



<b>Equipment</b>	<b>11</b>	
<b>Foodservice Equipment</b>	<b>11 40</b>	11
<b>Foodservice Storage Equipment</b>	<b>11 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0202 EA 30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	748.34	33.55
11 41 33 00-0203 EA 30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	858.64	33.82
11 41 33 00-0204 EA 36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	687.98	34.08
11 41 33 00-0205 EA 36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	760.26	34.34
11 41 33 00-0206 EA 36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	851.48	34.61
11 41 33 00-0207 EA 36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	998.87	35.13
<b>11 41 33 00-0208 96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)</b>		
11 41 33 00-0209 EA 14" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	442.44	31.96
11 41 33 00-0210 EA 14" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	466.99	32.23
11 41 33 00-0211 EA 14" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	497.54	32.49
11 41 33 00-0212 EA 14" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	516.26	32.76
11 41 33 00-0213 EA 14" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	552.65	33.03
11 41 33 00-0214 EA 14" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	583.31	33.29
11 41 33 00-0215 EA 14" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	607.87	33.55
11 41 33 00-0216 EA 14" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	662.98	34.08
11 41 33 00-0217 EA 18" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	484.79	32.23
11 41 33 00-0218 EA 18" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	503.50	32.49
11 41 33 00-0219 EA 18" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	522.22	32.76
11 41 33 00-0220 EA 18" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	576.53	33.03
11 41 33 00-0221 EA 18" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	613.05	33.29
11 41 33 00-0222 EA 18" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	661.39	33.55
11 41 33 00-0223 EA 18" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	679.97	33.82
11 41 33 00-0224 EA 18" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	747.14	34.34
11 41 33 00-0225 EA 21" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	509.49	32.49
11 41 33 00-0226 EA 21" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	551.86	32.76
11 41 33 00-0227 EA 21" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	582.52	33.03
11 41 33 00-0228 EA 21" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	618.89	33.29
11 41 33 00-0229 EA 21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	643.59	33.55
11 41 33 00-0230 EA 21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	703.88	33.82
11 41 33 00-0231 EA 21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	734.42	34.08
11 41 33 00-0232 EA 21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	813.42	34.61
11 41 33 00-0233 EA 24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	563.93	32.76
11 41 33 00-0234 EA 24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	588.49	33.03
11 41 33 00-0235 EA 24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	607.08	33.29
11 41 33 00-0236 EA 24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	655.55	33.55
11 41 33 00-0237 EA 24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	686.08	33.82
11 41 33 00-0238 EA 24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	746.35	34.08
11 41 33 00-0239 EA 24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	788.71	34.34
11 41 33 00-0240 EA 24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	891.62	34.87
11 41 33 00-0241 EA 30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	755.14	33.03
11 41 33 00-0242 EA 30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	851.01	33.29
11 41 33 00-0243 EA 30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	911.41	33.55
11 41 33 00-0244 EA 30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	1,049.13	33.82
11 41 33 00-0245 EA 36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	835.59	34.08
11 41 33 00-0246 EA 36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	925.75	34.34
11 41 33 00-0247 EA 36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	1,039.55	34.61
11 41 33 00-0248 EA 36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	1,223.41	35.13
<b>11 41 33 00-0249 Galvanized Shelving Units (11 41 33 00-0001)</b>		
<b>11 41 33 00-0250 54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)</b>		
11 41 33 00-0251 EA 14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	372.88	31.96
11 41 33 00-0252 EA 14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	393.05	32.23
11 41 33 00-0253 EA 14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	418.18	32.49
11 41 33 00-0254 EA 14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	438.37	32.76
11 41 33 00-0255 EA 14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	468.35	33.03
11 41 33 00-0256 EA 14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	493.37	33.29
11 41 33 00-0257 EA 14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	518.49	33.55
11 41 33 00-0258 EA 14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	558.86	34.08
11 41 33 00-0259 EA 18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	407.60	32.23
11 41 33 00-0260 EA 18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	423.04	32.49
11 41 33 00-0261 EA 18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	452.92	32.76
11 41 33 00-0262 EA 18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	487.74	33.03
11 41 33 00-0263 EA 18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	517.70	33.29
11 41 33 00-0264 EA 18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	557.27	33.55
11 41 33 00-0265 EA 18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	587.26	33.82
11 41 33 00-0266 EA 18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	632.64	34.34
11 41 33 00-0267 EA 21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	427.87	32.49
11 41 33 00-0268 EA 21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	467.56	32.76
11 41 33 00-0269 EA 21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	492.58	33.03
11 41 33 00-0270 EA 21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	522.56	33.29
11 41 33 00-0271 EA 21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	542.74	33.55
11 41 33 00-0272 EA 21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	596.96	33.82
11 41 33 00-0273 EA 21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	622.08	34.08
11 41 33 00-0274 EA 21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	696.48	34.61
11 41 33 00-0275 EA 24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	477.26	32.76
11 41 33 00-0276 EA 24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	497.43	33.03
11 41 33 00-0277 EA 24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	512.87	33.29

<b>11</b>	<b>Equipment</b>
<b>11 40</b>	<b>Foodservice Equipment</b>
<b>11 41</b>	<b>Foodservice Storage Equipment</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

11 41 33 00-0278	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	552.43	33.55
11 41 33 00-0279	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	596.96	33.82
11 41 33 00-0280	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	646.31	34.08
11 41 33 00-0281	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	685.98	34.34
11 41 33 00-0282	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	775.02	34.87

**11 41 33 00-0283 63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)**

11 41 33 00-0284	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	382.57	31.96
11 41 33 00-0285	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	402.75	32.23
11 41 33 00-0286	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	427.87	32.49
11 41 33 00-0287	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	448.06	32.76
11 41 33 00-0288	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	478.05	33.03
11 41 33 00-0289	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	503.06	33.29
11 41 33 00-0290	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	528.19	33.55
11 41 33 00-0291	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	568.55	34.08
11 41 33 00-0292	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	417.30	32.23
11 41 33 00-0293	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	432.73	32.49
11 41 33 00-0294	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	462.61	32.76
11 41 33 00-0295	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	497.43	33.03
11 41 33 00-0296	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	527.40	33.29
11 41 33 00-0297	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	566.96	33.55
11 41 33 00-0298	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	596.96	33.82
11 41 33 00-0299	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	642.26	34.34
11 41 33 00-0300	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	437.57	32.49
11 41 33 00-0301	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	477.26	32.76
11 41 33 00-0302	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	502.27	33.03
11 41 33 00-0303	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	532.25	33.29
11 41 33 00-0304	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	552.43	33.55
11 41 33 00-0305	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	606.65	33.82
11 41 33 00-0306	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	631.78	34.08
11 41 33 00-0307	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	706.17	34.61
11 41 33 00-0308	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	486.95	32.76
11 41 33 00-0309	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	507.13	33.03
11 41 33 00-0310	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	522.56	33.29
11 41 33 00-0311	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	562.13	33.55
11 41 33 00-0312	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	606.65	33.82
11 41 33 00-0313	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	656.00	34.08
11 41 33 00-0314	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	695.68	34.34
11 41 33 00-0315	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	784.72	34.87

**11 41 33 00-0316 74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)**

11 41 33 00-0317	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	392.26	31.96
11 41 33 00-0318	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	412.44	32.23
11 41 33 00-0319	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	437.57	32.49
11 41 33 00-0320	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	457.75	32.76
11 41 33 00-0321	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	487.74	33.03
11 41 33 00-0322	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	512.75	33.29
11 41 33 00-0323	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	537.88	33.55
11 41 33 00-0324	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	578.24	34.08
11 41 33 00-0325	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	426.99	32.23
11 41 33 00-0326	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	442.43	32.49
11 41 33 00-0327	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	472.31	32.76
11 41 33 00-0328	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	507.13	33.03
11 41 33 00-0329	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	537.09	33.29
11 41 33 00-0330	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	576.65	33.55
11 41 33 00-0331	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	606.65	33.82
11 41 33 00-0332	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	651.95	34.34
11 41 33 00-0333	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	447.26	32.49
11 41 33 00-0334	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	486.95	32.76
11 41 33 00-0335	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	511.96	33.03
11 41 33 00-0336	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	541.95	33.29
11 41 33 00-0337	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	562.13	33.55
11 41 33 00-0338	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	616.34	33.82
11 41 33 00-0339	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	641.47	34.08
11 41 33 00-0340	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	715.87	34.61
11 41 33 00-0341	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	496.64	32.76
11 41 33 00-0342	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	516.82	33.03
11 41 33 00-0343	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	532.25	33.29
11 41 33 00-0344	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	571.82	33.55
11 41 33 00-0345	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	616.34	33.82
11 41 33 00-0346	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	665.69	34.08
11 41 33 00-0347	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	705.37	34.34
11 41 33 00-0348	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	794.41	34.87

**11 41 33 00-0349 86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)**

11 41 33 00-0350	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	416.60	31.96
11 41 33 00-0351	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	436.78	32.23
11 41 33 00-0352	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	461.90	32.49



<b>Equipment</b>	<b>11</b>	
<b>Foodservice Equipment</b>	<b>11 40</b>	11
<b>Foodservice Storage Equipment</b>	<b>11 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0353 EA 14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	482.09	32.76
11 41 33 00-0354 EA 14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	512.08	33.03
11 41 33 00-0355 EA 14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	537.09	33.29
11 41 33 00-0356 EA 14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	562.22	33.55
11 41 33 00-0357 EA 14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	602.58	34.08
11 41 33 00-0358 EA 18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	451.33	32.23
11 41 33 00-0359 EA 18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	466.76	32.49
11 41 33 00-0360 EA 18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	496.64	32.76
11 41 33 00-0361 EA 18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	531.46	33.03
11 41 33 00-0362 EA 18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	561.43	33.29
11 41 33 00-0363 EA 18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	600.99	33.55
11 41 33 00-0364 EA 18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	630.99	33.82
11 41 33 00-0365 EA 18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	676.29	34.34
11 41 33 00-0366 EA 21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	471.60	32.49
11 41 33 00-0367 EA 21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	511.29	32.76
11 41 33 00-0368 EA 21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	536.30	33.03
11 41 33 00-0369 EA 21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	566.29	33.29
11 41 33 00-0370 EA 21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	586.46	33.55
11 41 33 00-0371 EA 21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	640.68	33.82
11 41 33 00-0372 EA 21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	665.81	34.08
11 41 33 00-0373 EA 21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	740.20	34.61
11 41 33 00-0374 EA 24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	520.98	32.76
11 41 33 00-0375 EA 24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	541.16	33.03
11 41 33 00-0376 EA 24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	556.59	33.29
11 41 33 00-0377 EA 24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	596.16	33.55
11 41 33 00-0378 EA 24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	640.68	33.82
11 41 33 00-0379 EA 24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	690.03	34.08
11 41 33 00-0380 EA 24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	729.71	34.34
11 41 33 00-0381 EA 24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	818.75	34.87
<b>11 41 33 00-0382 54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)</b>		
11 41 33 00-0383 EA 18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	729.79	32.76
11 41 33 00-0384 EA 18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	804.27	33.29
11 41 33 00-0385 EA 18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	903.00	33.82
11 41 33 00-0386 EA 18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	962.86	34.34
11 41 33 00-0387 EA 24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	799.34	33.29
11 41 33 00-0388 EA 24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	927.25	33.82
11 41 33 00-0389 EA 24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	1,025.97	34.34
11 41 33 00-0390 EA 24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	1,173.26	34.87
<b>11 41 33 00-0391 63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)</b>		
11 41 33 00-0392 EA 18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	739.49	32.76
11 41 33 00-0393 EA 18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	813.99	33.29
11 41 33 00-0394 EA 18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	912.70	33.82
11 41 33 00-0395 EA 18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	972.55	34.34
11 41 33 00-0396 EA 24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	809.04	33.29
11 41 33 00-0397 EA 24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	936.94	33.82
11 41 33 00-0398 EA 24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	1,035.67	34.34
11 41 33 00-0399 EA 24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	1,182.96	34.87
<b>11 41 33 00-0400 74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)</b>		
11 41 33 00-0401 EA 18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	749.18	32.76
11 41 33 00-0402 EA 18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	823.68	33.29
11 41 33 00-0403 EA 18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	922.41	33.82
11 41 33 00-0404 EA 18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	982.25	34.34
11 41 33 00-0405 EA 24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	818.73	33.29
11 41 33 00-0406 EA 24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	946.64	33.82
11 41 33 00-0407 EA 24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	1,045.36	34.34
11 41 33 00-0408 EA 24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	1,192.67	34.87
<b>11 41 33 00-0409 86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)</b>		
11 41 33 00-0410 EA 18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	773.52	32.76
11 41 33 00-0411 EA 18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	848.00	33.29
11 41 33 00-0412 EA 18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	946.73	33.82
11 41 33 00-0413 EA 18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	1,006.59	34.34
11 41 33 00-0414 EA 24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	843.07	33.29
11 41 33 00-0415 EA 24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	970.97	33.82
11 41 33 00-0416 EA 24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	1,069.70	34.34
11 41 33 00-0417 EA 24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	1,216.99	34.87
<b>11 41 33 00-0418 Stainless Steel Shelving Unit (11 41 33 00-0001)</b>		
<b>11 41 33 00-0419 63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)</b>		
11 41 33 00-0420 EA 18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	820.77	32.76
11 41 33 00-0421 EA 18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	958.72	33.29

**11 Equipment****11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0422	EA		18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,133.15	33.82
11 41 33 00-0423	EA		18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,315.83	34.34
11 41 33 00-0424	EA		24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	970.30	33.29
11 41 33 00-0425	EA		18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,128.60	33.82
11 41 33 00-0426	EA		24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,336.16	34.34
11 41 33 00-0427	EA		24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,610.43	34.87
<b>11 41 33 00-0428</b>			<b>74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)</b>		
11 41 33 00-0429	EA		18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	849.79	32.76
11 41 33 00-0430	EA		18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	987.74	33.29
11 41 33 00-0431	EA		18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,166.29	33.82
11 41 33 00-0432	EA		18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,344.83	34.34
11 41 33 00-0433	EA		24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	999.32	33.29
11 41 33 00-0434	EA		24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,157.60	33.82
11 41 33 00-0435	EA		24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,365.16	34.34
11 41 33 00-0436	EA		24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,639.44	34.87
<b>11 41 33 00-0437</b>			<b>86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)</b>		
11 41 33 00-0438	EA		18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	878.79	32.76
11 41 33 00-0439	EA		18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,016.75	33.29
11 41 33 00-0440	EA		18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,195.30	33.82
11 41 33 00-0441	EA		18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,373.85	34.34
11 41 33 00-0442	EA		24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,028.33	33.29
11 41 33 00-0443	EA		24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,186.62	33.82
11 41 33 00-0444	EA		24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,394.18	34.34
11 41 33 00-0445	EA		24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,668.45	34.87
<b>11 41 33 00-0446</b>			<b>63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)</b>		
11 41 33 00-0447	EA		18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,570.14	32.76
11 41 33 00-0448	EA		18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,739.11	33.29
11 41 33 00-0449	EA		18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,963.65	33.82
11 41 33 00-0450	EA		18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,099.01	34.34
11 41 33 00-0451	EA		24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,887.37	33.29
11 41 33 00-0452	EA		24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,228.97	33.82
11 41 33 00-0453	EA		24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,477.93	34.34
11 41 33 00-0454	EA		24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,850.57	34.87
<b>11 41 33 00-0455</b>			<b>74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)</b>		
11 41 33 00-0456	EA		18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,618.70	32.76
11 41 33 00-0457	EA		18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,790.62	33.29
11 41 33 00-0458	EA		18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,019.14	33.82
11 41 33 00-0459	EA		18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,156.80	34.34
11 41 33 00-0460	EA		24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,935.95	33.29
11 41 33 00-0461	EA		24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,277.53	33.82
11 41 33 00-0462	EA		24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,529.23	34.34
11 41 33 00-0463	EA		24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,906.06	34.87
<b>11 41 33 00-0464</b>			<b>86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)</b>		
11 41 33 00-0465	EA		18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,667.28	32.76
11 41 33 00-0466	EA		18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,838.26	33.29
11 41 33 00-0467	EA		18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,065.58	33.82
11 41 33 00-0468	EA		18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,202.60	34.34
11 41 33 00-0469	EA		24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,984.51	33.29
11 41 33 00-0470	EA		24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,326.11	33.82
11 41 33 00-0471	EA		24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,576.25	34.34
11 41 33 00-0472	EA		24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,950.63	34.87
<b>11 41 33 00-0473</b>			<b>Galvanized Steel Dunnage Rack (11 41 33 00-0001)</b>		
11 41 33 00-0474	EA		18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	241.74	23.56
11 41 33 00-0475	EA		18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	254.97	24.21
11 41 33 00-0476	EA		18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	270.05	24.88
11 41 33 00-0477	EA		18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	298.25	25.53
11 41 33 00-0478	EA		18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	322.68	26.18
11 41 33 00-0479	EA		24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	260.46	23.56
11 41 33 00-0480	EA		24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	284.92	24.21
11 41 33 00-0481	EA		24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	300.00	24.88
11 41 33 00-0482	EA		24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	326.33	25.53
11 41 33 00-0483	EA		24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	356.38	26.18
<b>11 41 33 00-0484</b>			<b>Stainless Steel Dunnage Rack (11 41 33 00-0001)</b>		
11 41 33 00-0485	EA		18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack .....	660.21	24.88
11 41 33 00-0486	EA		18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack .....	829.42	25.53





<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0487 EA 18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack .....	1,406.65	26.18
11 41 33 00-0488 EA 24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack .....	722.82	24.88
11 41 33 00-0489 EA 24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack .....	901.91	25.53
11 41 33 00-0490 EA 24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack .....	1,534.59	26.18
<b>11 41 33 00-0491 Mobile Racks</b> <small>(11 41 33 00-0001)</small>		
11 41 33 00-0492 EA Mobile Rack With Pan Slide.....	1,802.28	39.67
<b>11 41 33 00-0493 Can Racks</b> <small>(11 41 33 00-0001)</small>		
11 41 33 00-0494 EA 27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack .....	3,743.80	39.67
Note: 156 #10 cans capacity		
<b>11 42 Food Preparation Equipment</b> <small>(11 40)</small>		
<b>11 42 13 Food Preparation Appliances</b> <small>(11 42)</small>		
<b>11 42 13 00-0001 Vertical Cutter Mixers</b> <small>(11 42 13)</small>		
11 42 13 00-0002 EA Bench Type Mixers, 25 Quart .....	10,580.96	202.29
11 42 13 00-0003 EA Bench Type Mixers, 40 Quart .....	12,229.03	224.77
11 42 13 00-0004 EA Bench Type Mixers, 80 Quart .....	15,185.63	323.68
11 42 13 00-0005 EA Bench Type Mixers, 130 Quart .....	16,962.84	404.59
<b>11 42 13 00-0006 Choppers</b> <small>(11 42 13)</small>		
11 42 13 00-0007 EA Choppers, 5 LB.....	2,659.98	179.82
11 42 13 00-0008 EA Choppers, 16 LB.....	3,902.72	233.77
11 42 13 00-0009 EA Choppers, 35 LB - 40 LB .....	7,550.66	287.71
11 42 13 00-0010 EA Choppers, 35 LB - 40 LB/Min, 2 HP.....	6,268.18	255.61
11 42 13 00-0011 EA Choppers, 35 LB - 40 LB/Min, 3 HP.....	7,111.20	255.61
<b>11 42 13 00-0012 Stand Model Mixer</b> <small>(11 42 13)</small>		
11 42 13 00-0013 EA 10 Quart, 120 Volt, 3/4 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX10) .....	1,280.85	86.77
11 42 13 00-0014 EA 20 Quart, 120 Volt, 1-1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX20) .....	1,597.67	86.77
11 42 13 00-0015 EA 10 Quart, 120 Volt, 1/3 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Globe SP10) .....	4,246.31	86.77
11 42 13 00-0016 EA 20 Quart, 240 Voltage, 1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Stainless Steel Bowl Guard (Hobart HL-200-1) .....	8,978.11	85.41
<b>11 42 13 00-0017 Floor Model Mixer</b> <small>(11 42 13)</small>		
11 42 13 00-0018 EA 30 Quart, 120 Voltage, 1-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX30).....	3,340.20	86.77
11 42 13 00-0019 EA 40 Quart, 240 Voltage, 2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX40).....	4,626.79	96.43
11 42 13 00-0020 EA 60 Quart, 240 Voltage, 2-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX60).....	7,977.50	108.47
11 42 13 00-0021 EA 30 Quart, 240 Voltage, 3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-300-1) .....	17,092.87	85.41
11 42 13 00-0022 EA 40 Quart, 240 Voltage, 1-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-400-1) .....	20,991.13	87.66
11 42 13 00-0023 EA 60 Quart, 220-240 Voltage, 2-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-600-1) .....	26,741.86	89.91
11 42 13 00-0024 EA 80 Quart, 220-240 Voltage, 3 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL800-1).....	39,498.98	112.38
11 42 13 00-0025 EA 140 Quart, 220-240 Voltage, 5 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-1400-1).....	50,595.30	143.86
<b>11 42 13 00-0026 Slicers</b> <small>(11 42 13)</small>		
11 42 13 00-0027 EA 1/3 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL312).....	709.00	27.12
11 42 13 00-0028 EA 1/2 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL512).....	1,035.09	27.12
11 42 13 00-0029 EA 1/2 HP, 13" Medium-Duty Manual Gravity Feed Meat Slicer (Avantco SL713MAN).....	1,493.44	27.12
11 42 13 00-0030 EA 1/2 HP, 12" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL612A).....	2,541.08	27.12
11 42 13 00-0031 EA 3/4 HP, 13" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL713A).....	2,802.99	27.12
11 42 13 00-0032 EA 1/2 HP, 13" Heavy-Duty Automatic Gravity Feed Meat Slicer (Hobart EDGE13A-11).....	6,327.05	27.12
<b>11 42 13 00-0033 Peelers</b> <small>(11 42 13)</small>		
11 42 13 00-0034 EA 22 Lb, 120 Voltage, Potato Peeler (Sammic PI-10) .....	3,509.15	146.10
11 42 13 00-0035 EA 44 Lb, 120 Voltage, Potato Peeler (Sammic PI-20) .....	4,049.98	170.38
11 42 13 00-0036 EA 66 Lb, 120 Voltage, Potato Peeler (Sammic PI-30) .....	6,302.55	194.83
11 42 13 00-0037 EA 20 Lb, 115 Voltage, Potato Peeler (Hobart 6115).....	5,630.33	146.10
11 42 13 00-0038 EA 40 Lb, 115 Voltage, Potato Peeler (Hobart 6430-1).....	11,440.65	170.38
11 42 13 00-0039 EA 60 Lb, 115 Voltage, Potato Peeler (Hobart 6460-1).....	12,184.73	194.83
<b>11 42 13 00-0040 Proof Boxes</b> <small>(11 42 13)</small>		

**11 Equipment****11 40 Foodservice Equipment****11 42 Food Preparation Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0041	EA		30-1/2" x 22-1/2", Stainless Steel Proof Box.....	3,194.91	68.31
11 42 13 00-0042	EA		30-1/2" x 45", Stainless Steel Proof Box.....	5,345.96	114.48
11 42 13 00-0043	EA		30-1/2" x 45", Galvanized Proof Box.....	3,282.94	51.97
<b>11 42 13 00-0044</b>			<b>Non-Insulated Heated Proof Cabinet</b> <small>(11 42 13)</small>		
11 42 13 00-0045	EA		Angle Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet.....	2,019.75	65.46
11 42 13 00-0046	EA		Angle Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet.....	2,166.68	69.99
11 42 13 00-0047	EA		Channel Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet.....	2,006.05	64.93
11 42 13 00-0048	EA		Channel Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet.....	2,126.13	68.83
<b>11 42 13 00-0049</b>			<b>Insulated Heated Proof Cabinet</b> <small>(11 42 13)</small>		
11 42 13 00-0050	EA		3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet.....	3,305.45	124.62
11 42 13 00-0051	EA		3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet.....	3,454.24	130.27
<b>11 42 13 00-0052</b>			<b>Pass-Thru Hot Food Holding Cabinet</b> <small>(11 42 13)</small>		
11 42 13 00-0053	EA		Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	6,934.27	188.81
11 42 13 00-0054	EA		Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	7,380.44	188.81
11 42 13 00-0055	EA		Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	9,434.80	197.80
11 42 13 00-0056	EA		Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	10,346.21	197.80
<b>11 42 16 Food Preparation Surfaces</b> <small>(11 42)</small>					
<b>11 42 16 00-0001</b>			<b>Tables</b> <small>(11 42 16)</small>		
<b>11 42 16 00-0002</b>			<b>Baker's Table</b> <small>(11 42 16 00-0001)</small>		
11 42 16 00-0003	EA		4' Open Base Baker's Table.....	836.42	55.55
11 42 16 00-0004	EA		10' Open Base Baker's Table.....	1,641.61	108.92
11 42 16 00-0005	EA		10' Undershelf Baker's Table.....	2,025.50	134.41
11 42 16 00-0006	EA		10' Three Drawers Baker's Table.....	2,172.46	144.33
11 42 16 00-0007	EA		10' Bins Baker's Table.....	3,196.27	212.41
11 42 16 00-0008	EA		10' Bins And Drawers Baker's Table.....	5,019.03	333.42
<b>11 42 16 00-0009</b>			<b>Preparation Table, Stainless Steel, With Undershelf</b> <small>(11 42 16 00-0001)</small>		
11 42 16 00-0010	EA		30" x 72" Square Edge Stainless Steel Preparation Table With Undershelf.....	1,175.36	29.30
11 42 16 00-0011	EA		30" x 72" Marine Edge Stainless Steel Preparation Table With Undershelf.....	1,266.28	35.18
11 42 16 00-0012	EA		36" x 96" Marine Edge Stainless Steel Preparation Table With Undershelf.....	1,914.59	47.82
<b>11 42 16 00-0013</b>			<b>Preparation Table, Stainless Steel, With Open Front</b> <small>(11 42 16 00-0001)</small>		
11 42 16 00-0014	EA		30" X 72" Round Edge Stainless Steel Preparation Table With Open Front.....	1,237.59	30.82
11 42 16 00-0015	EA		36" X 96" Round Edge Stainless Steel Preparation Table With Open Front.....	1,590.66	39.65
11 42 16 00-0016	EA		36" X 96" Square Edge Stainless Steel Preparation Table With Open Front.....	1,366.37	34.10
11 42 16 00-0017	EA		36" X 96" Marine Edge Stainless Steel Preparation Table With Open Front.....	1,644.67	41.06
11 42 16 00-0018	EA		Roller Utility Drawers Stainless Steel Preparation Table With Open Front.....	332.25	8.27
<b>11 42 16 00-0019</b>			<b>Mobile Tables</b> <small>(11 42 16 00-0001)</small>		
11 42 16 00-0020	EA		21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	3,154.15	26.25
11 42 16 00-0021	EA		32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	1,702.10	31.48
11 42 16 00-0022	EA		32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top.....	1,416.25	35.40
<b>11 42 16 00-0023</b>			<b>Hot Food Tables, Stainless Steel, Gas Or Electric</b> <small>(11 42 16 00-0001)</small>		
11 42 16 00-0024	EA		32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables.....	2,529.40	63.18
11 42 16 00-0025	EA		32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables.....	2,051.66	51.20
11 42 16 00-0026	EA		Full Size Pan With Cover Stainless Steel Hot Food Tables.....	170.29	4.25
11 42 16 00-0027	EA		Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables.....	249.16	6.21
11 42 16 00-0028	EA		58-1/2", 4 Openings Stainless Steel Hot Food Tables.....	4,987.19	106.99
11 42 16 00-0029	EA		114-1/2", 8 Openings Stainless Steel Hot Food Tables.....	9,921.61	213.45
<b>11 42 16 00-0030</b>			<b>Basic Table</b> <small>(11 42 16 00-0001)</small>		
11 42 16 00-0031	LF		Table, Basic.....	277.69	22.05
<b>11 42 16 00-0032</b>			<b>Table With Sink</b> <small>(11 42 16)</small>		
11 42 16 00-0033	LF		Table With Sink.....	349.19	40.72
<b>11 42 23 Food Preparation Scullery Sinks</b> <small>(11 42)</small>					
<b>11 42 23 00-0001</b>			<b>Stainless Steel Scullery Sinks</b> <small>(11 42 23)</small>		
			Note: Excludes faucet. See CSI section 22 42 39 00-0071 for service sink faucets.		
11 42 23 00-0002	EA		Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drainboard.....	2,410.97	170.88
			For Additional Drain Board, Add 221.57		



<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Food Preparation Equipment	11 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 23 00-0003	EA		Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drainboard.....	3,402.93	195.28
			<i>For Additional Drain Board, Add</i>	315.88	
11 42 23 00-0004	EA		Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drainboard.....	4,506.37	195.28
			<i>For Additional Drain Board, Add</i>	421.35	
11 42 23 00-0005	EA		Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drainboard.....	6,449.29	195.28
			<i>For Additional Drain Board, Add</i>	605.87	
11 42 23 00-0006	EA		Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drainboard.....	4,003.14	195.28
11 42 23 00-0007	EA		Stainless Steel Scullery Sink 33-1/2" W x 66" L, Triple Compartment.....	6,961.92	372.10
			Note: 6" backsplash with 45 degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0008	EA		Stainless Steel Scullery Sink 33" W x 99" L, Triple Compartment.....	6,835.44	378.35
			Note: With left and right table drainboard extensions and 6" backsplash with 45 degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0009	EA		Stainless Steel Scullery Sink 33-1/2" W x 82-1/2" L, Triple Compartment.....	6,542.80	378.35
			Note: With left or right table drainboard extensions and 6" backsplash with 45 degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0010	EA		Stainless Steel Scullery Sink 23-1/2" W x 21" L, Single Compartment.....	3,431.04	207.57
			Note: 6" backsplash with 45 degree return angle, rolled edges.		
11 42 23 00-0011	EA		Stainless Steel Scullery Sink 23-1/2"W x 36-1/2"L, Single Compartment.....	3,698.88	207.57
			Note: With left or right 18" table drainboard extension and 6" backsplash with 45 degree return angle, rolled edges.		
11 42 23 00-0012	EA		Stainless Steel Scullery Sink 23-1/2"W x 42-1/2" L, Single Compartment.....	3,860.08	207.57
			Note: With left or right 24" table drainboard extension and 6" backsplash with 45 degree return angle, rolled edges.		

**11 44 Food Cooking Equipment** <sup>(11 40)</sup>

**11 44 13 Commercial Ranges** <sup>(11 44)</sup>

**11 44 13 00-0001 Range** <sup>(11 44 13)</sup>

11 44 13 00-0002	EA		Heavy Duty Range, With 34" Open Top Oven.....	2,434.01	89.91
11 44 13 00-0003	EA		Range With Fry Top.....	2,434.01	89.91
11 44 13 00-0004	EA		Steel Finish Fry Top.....	5,202.80	128.49
11 44 13 00-0005	EA		Stainless Top Only Fry Top.....	5,200.43	127.02
11 44 13 00-0006	EA		Stainless Top And 2 Sides Fry Top.....	6,009.28	147.89
11 44 13 00-0007	EA		Gas Range, Vulcan #260L.....	5,423.96	131.76
			Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel plated oven racks.		
11 44 13 00-0008	EA		48" Range With Casters (Vulcan 48C-4B24GN).....	13,954.00	79.34

**11 44 16 Commercial Ovens** <sup>(11 44)</sup>

**11 44 16 00-0001 Bake Oven** <sup>(11 44 16)</sup>

11 44 16 00-0002	EA		55", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836).....	17,655.79	378.58
11 44 16 00-0003	EA		55", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836).....	17,655.79	378.58
11 44 16 00-0004	EA		74", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736).....	23,902.77	378.58
11 44 16 00-0005	EA		74", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736).....	23,902.77	378.58
11 44 16 00-0006	EA		55", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836).....	34,109.86	432.67
11 44 16 00-0007	EA		55", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836).....	34,109.86	432.67

**11 44 16 00-0008 Rapid-Cook Countertop Bake Ovens** <sup>(11 44 16)</sup>

11 44 16 00-0009	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Control, Stainless Steel Countertop Oven (TurboChef ECS-9500-1).....	9,725.68	19.84
11 44 16 00-0010	EA		800 To 2,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Control, Stainless Steel Classic Countertop Oven (MerryChef E1SM).....	5,767.23	19.84
11 44 16 00-0011	EA		4,700 Watts, 208/240 Volt, 1.2 CF, Rapid Cook Type, Touchscreen Control, Stainless Steel Countertop Oven (MerryChef E3-1330-H).....	4,540.48	19.84
11 44 16 00-0012	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop High-Speed Oven (TurboChef ECO-9500-1).....	6,928.23	19.84
11 44 16 00-0013	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Black (TurboChef ECO-9500-5).....	7,211.15	19.84
11 44 16 00-0014	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Red (TurboChef ECO-9500-2).....	7,211.15	19.84
11 44 16 00-0015	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Blue (TurboChef ECO-9500).....	7,211.15	19.84
11 44 16 00-0016	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Green (TurboChef ECO-9500).....	7,211.15	19.84
11 44 16 00-0017	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven, White (TurboChef ECO-9500).....	7,211.15	19.84
11 44 16 00-0018	EA		1,600 To 1,700 Watts, 208/240 Volt, 1.05 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven (TurboChef NGC-1280-1).....	13,424.71	19.84
11 44 16 00-0019	EA		6,200 Watts, 208/240 Volt, 1.304 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E4S).....	12,445.66	19.84
11 44 16 00-0020	EA		4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Ventless Countertop Oven (Amana JET19V).....	6,642.97	19.84
11 44 16 00-0021	EA		3,200 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Countertop Oven (Amana JET14).....	5,427.96	19.84
11 44 16 00-0022	EA		4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven (Amana JET19).....	5,903.40	19.84
11 44 16 00-0023	EA		6,200 Watts, 208/240 Volt, 0.78 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef ENC-9600-601).....	14,129.06	19.84

<b>11</b>	<b>Equipment</b>
<b>11 40</b>	<b>Foodservice Equipment</b>
<b>11 44</b>	<b>Food Cooking Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0024 EA 5,700 Watts, 208/240 Volt, 1.38 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven With Teflon® Coating And Touch Screen Display (Amana MXP22TLT) .....	12,612.35	19.84
11 44 16 00-0025 EA 1,000 To 2,200 Watts, 208/240 Volt, 0.58 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E2S STANDARD CLASSIC).....	8,818.24	19.84
11 44 16 00-0026 EA 9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5) .....	17,757.64	19.84
11 44 16 00-0027 EA 9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5) .....	17,757.64	19.84
11 44 16 00-0028 EA 9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5 Touch) .....	18,415.04	19.84
11 44 16 00-0029 EA 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5-9500-414-DL).....	18,415.04	19.84
11 44 16 00-0030 EA 1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX1).....	9,759.73	19.84
11 44 16 00-0031 EA 5,000 Watts, 208/240 Volt, 1.45 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef HHB-8603-1) .....	9,725.68	19.84
11 44 16 00-0032 EA 6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef I1-9500-400) .....	11,865.74	19.84
11 44 16 00-0033 EA 4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Countertop Oven (TurboChef I1-9500-104) .....	10,334.95	19.84
11 44 16 00-0034 EA 6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen, Countertop Oven With Panini Press (TurboChef PANINI) .....	11,548.78	19.84
11 44 16 00-0035 EA 6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven With Panini Press (TurboChef PANINI TOUCH) .....	12,111.09	19.84
11 44 16 00-0036 EA 4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven With Touch Controls (TurboChef SOTA SNGL MAG TOUCH) .....	10,722.34	19.84
11 44 16 00-0037 EA 6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER) .....	13,037.31	19.84
11 44 16 00-0038 EA 6,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER TCH).....	13,618.40	19.84
11 44 16 00-0039 EA 2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX2).....	10,287.99	19.84
11 44 16 00-0040 EA 2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX1 BLACK) .....	9,877.12	19.84
11 44 16 00-0041 EA 2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX1 RED).....	9,877.12	19.84
11 44 16 00-0042 EA 1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX2 BLACK) .....	10,405.38	19.84
11 44 16 00-0043 EA 1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX2 RED).....	10,405.38	19.84
11 44 16 00-0044 EA 4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Powder Coated, Countertop Oven (TurboChef I1-9500-1).....	11,308.13	19.84
11 44 16 00-0045 EA 8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3) .....	15,153.89	19.84
11 44 16 00-0046 EA 8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3) .....	15,153.89	19.84
11 44 16 00-0047 EA 8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch) .....	15,787.81	19.84
11 44 16 00-0048 EA 8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch) .....	15,787.81	19.84
11 44 16 00-0049 EA 10,720/12,480 Watts, 208/240 Volt, 1.18 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Double Batch Ventless Countertop Oven (TurboChef HHD-9500-1) .....	14,204.19	19.84
11 44 16 00-0050 EA 5,616 Watts, 208/240 Volt, 0.99 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Single Batch Ventless Countertop Oven (TurboChef HHS-9500-1).....	10,675.39	19.84
<b>11 44 16 00-0051</b> <b>Combination Ovens</b> <small>(11 44 16)</small> Note: Convection, steam and combination modes.		
11 44 16 00-0052 EA 35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven .....	22,531.05	157.34
11 44 16 00-0053 EA 35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven .....	36,978.71	179.82
11 44 16 00-0054 EA 35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven.....	30,542.28	179.82
11 44 16 00-0055 EA 35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven .....	73,752.70	224.77
11 44 16 00-0056 EA 35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven.....	55,981.19	224.77
<b>11 44 16 00-0057</b> <b>Countertop Electric Convection Type Ovens</b> <small>(11 44 16)</small>		
11 44 16 00-0058 EA 1,440 Watts, 120 Volt, 0.8 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Quarter Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-14) .....	290.57	9.92
11 44 16 00-0059 EA 1,600 Watts, 120 Volt, 1.5 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-16) .....	474.55	9.92
11 44 16 00-0060 EA 2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Half Size, Stainless Steel Countertop Electric Convection Oven (Avantco CO-28).....	560.23	9.92
11 44 16 00-0061 EA 2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 550 Degrees Fahrenheit Temperature Range, 2.3 CF, One Glass Door, Half Size, Stainless Steel Countertop Electric Convection Oven With Steam Injection (Avantco CO-32).....	722.67	9.92
11 44 16 00-0062 EA 3,500 To 4,600 Watts, 208-240 Volt, 4.4 CF, 550 Degrees Fahrenheit, Two Glass Doors, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Avantco CO-38) .....	1,318.30	9.92
11 44 16 00-0063 EA 3,500 To 4,600 Watts, 208 To 240 Volt, 4.4 CF, 150 To 550 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Full Size, Stainless Steel Countertop Electric Cooky Type Convection Oven With Steam Injection (Avantco CO-46) .....	1,534.89	9.92
11 44 16 00-0064 EA 1,440 Watts, 120 Volt, 0.8 CF, 500 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Quarter Size, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3Q) .....	258.08	9.92
11 44 16 00-0065 EA 1,600 Watts, 120 Volt, 1.5 CF, 500 Degrees Fahrenheit, One Glass Door, Half Size, Dial Control, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3H) .....	431.35	9.92



<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Food Cooking Equipment	11 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0066 EA 1,700 Watts, 120 Volt, 27-15/16" Length x 23-5/8" Width x 24" Height, 200 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Stainless Steel 4 Pan Electric Countertop Convection Oven (Global Solutions GS1110-17).....	1,241.46	9.92
11 44 16 00-0067 EA 1,400 Watts, 120 Volt, 1.19 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40703).....	1,128.94	9.92
11 44 16 00-0068 EA 2,400 Watts, 230 Volt, 1.9 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40701).....	1,536.84	9.92
11 44 16 00-0069 EA 5,600 Watts, 230 Volt, 4.27 CF, 150 - 570 Degrees Fahrenheit Temperature Range, 1 Glass Door, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Vollrath 40702).....	2,495.57	9.92
<b>11 44 16 00-0070 Electric Convection Type Ovens (11 44 16)</b>		
11 44 16 00-0071 EA 11 kW, 240 Volt, Two Glass Doors, 41-1/2" x 38-1/8" x 54-1/8", Single Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC-100).....	3,541.15	39.68
11 44 16 00-0072 EA 22 kW, 240 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200DK).....	7,023.60	79.34
11 44 16 00-0073 EA 22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200CK).....	7,023.60	79.34
11 44 16 00-0074 EA 22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200EK).....	7,023.60	79.34
11 44 16 00-0075 EA 22 kW, 208 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200BK).....	7,023.60	79.34
11 44 16 00-0076 EA 24 kW, 208 Volt, 3 Phase, Four Glass Doors, 40" x 40-1/8" x 68-13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/3).....	11,587.65	79.34
11 44 16 00-0077 EA 12 kW, 208 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/3).....	5,793.81	39.68
11 44 16 00-0078 EA 12 kW, 240 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/1).....	5,793.81	39.68
11 44 16 00-0079 EA 12.5 kW, 208 Volt, 3 Phase, Two Glass Doors, 41-1/8" x 40-1/4" x 54-3/4", Single Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC4ED-11D1 208/3).....	6,358.48	39.68
11 44 16 00-0080 EA 12 kW, 208 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/1).....	5,793.81	39.68
11 44 16 00-0081 EA 12 kW, 240 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 24", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/3).....	5,793.81	39.68
11 44 16 00-0082 EA 25 kW, 208 Volt, 3 Phase, Four Glass Doors, 41-1/8" x 40" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC44ED-208/3).....	12,716.99	79.34
11 44 16 00-0083 EA 11 kW, 220/240 Volt, 1 Phase, Two Glass Doors, 36-7/8" x 38-1/4" x 57", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Blodgett SHO-100-E).....	5,409.84	39.68
11 44 16 00-0084 EA 22 kW, 208 Volt, 3 Phase, Four Glass Doors, 36-7/8" x 38-1/4" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Blodgett SHO-100-E).....	10,819.69	79.34
11 44 16 00-0085 EA 24 kW, 208 Volt, 1 Phase, Four Glass Doors, 40" x 40-1/8" x 68 13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/1).....	11,587.65	79.34
11 44 16 00-0086 EA 21 kW, 208 Volt, 1 Phase, Four Glass Doors, 46" x 40" x 74-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Bakers Pride BPCV-E2 208/1).....	14,657.73	79.34
<b>11 44 16 00-0087 Natural Gas Convection Type Ovens (11 44 16)</b>		
11 44 16 00-0088 EA 54,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC100N).....	3,903.29	39.68
11 44 16 00-0089 EA 108,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC200N).....	7,741.73	79.34
11 44 16 00-0090 EA 100,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Solid State Controls (Vulcan VC44GD-NAT).....	13,348.75	79.34
11 44 16 00-0091 EA 100,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Vulcan VC55GD).....	12,783.22	79.34
11 44 16 00-0092 EA 100,000 BTU, 500 Degrees Fahrenheit, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G).....	11,934.93	79.34
11 44 16 00-0093 EA 50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven with Solid State Controls And Legs (Vulcan VC4GD-11D150K).....	6,674.36	39.68
11 44 16 00-0094 EA 120,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G).....	6,753.72	79.34
11 44 16 00-0095 EA 120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Analog Controls (Garland MCO-GS-20S).....	18,653.04	79.34
11 44 16 00-0096 EA 50,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G).....	5,967.46	39.68
11 44 16 00-0097 EA 100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G-ES).....	16,359.34	79.34
11 44 16 00-0098 EA 120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Digital Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Digital Controls (Garland MCO-GS-20).....	24,309.96	79.34
11 44 16 00-0099 EA 120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Garland MCO-GS-20-ESS).....	18,653.04	79.34
11 44 16 00-0100 EA 100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Standard Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-100-G).....	15,278.19	79.34
11 44 16 00-0101 EA 90,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett BDO-100-G-ES).....	13,598.24	79.34
11 44 16 00-0102 EA 50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Vulcan VC5GDN).....	6,391.60	39.68

<b>11</b>	<b>Equipment</b>
<b>11 40</b>	<b>Foodservice Equipment</b>
<b>11 44</b>	<b>Food Cooking Equipment</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0103			<b>Broiler, Without Oven</b> <sup>(11 44 16)</sup>		
11 44 16 00-0104	EA		69" x 26" x 39" Broiler Without Oven.....	6,765.75	143.86
11 44 16 00-0105	EA		Conveyor Broiler .....	6,012.12	166.96
11 44 16 00-0106			<b>Oven Stands</b> <sup>(11 44 16)</sup>		
11 44 16 00-0107	EA		Stationary Oven Stand (Rational 60.30.334 US III UltraVent® Stationary Oven Stand).....	1,791.08	
11 44 16 00-0108			<b>Triple Conveyor Oven</b> <sup>(11 44 16)</sup>		
11 44 16 00-0109	EA		30 kW, 208 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3).....	49,385.06	158.70
			Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range		
11 44 16 00-0110	EA		30 kW, 240 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3).....	49,385.06	158.70
			Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range		
11 44 16 00-0111	EA		22 kW, 208 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	100,814.58	158.70
			Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0112	EA		22 kW, 220 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	91,297.22	158.70
			Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0113	EA		22 kW, 240 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	91,297.22	158.70
			Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0114	EA		330,000 BTU, Natural Gas, Three Door, Triple Conveyor, Low Profile FastBake Stainless Steel, Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) .....	100,814.58	158.70
			Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0115	EA		330,000 BTU, Liquid Propane, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) .....	100,814.58	158.70
			Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0116			<b>Rotary Deck Pizza Oven</b> <sup>(11 44 16)</sup>		
11 44 16 00-0117	EA		90,000 BTU, 2 Deck, 38.6" Diameter Rotary Deck Pizza Oven (Sierra Range Volare) .....	35,268.92	79.34
<b>11 44 19</b>			<b>Commercial Cooking Equipment</b> <sup>(11 44)</sup>		
11 44 19 00-0001			<b>Drop-In Electric Griddle</b> <sup>(11 44 19)</sup>		
11 44 19 00-0002	EA		24" Wide x 24" Deep, Drop-In Electric Griddle.....	3,937.16	123.63
11 44 19 00-0003	EA		36" Wide x 24" Deep, Drop-In Electric Griddle.....	5,608.95	123.63
11 44 19 00-0004	EA		48" Wide x 24" Deep, Drop-In Electric Griddle.....	6,420.89	134.86
11 44 19 00-0005	EA		60" Wide x 24" Deep, Drop-In Electric Griddle.....	7,688.01	134.86
11 44 19 00-0006	EA		72" Wide x 24" Deep, Drop-In Electric Griddle.....	9,858.62	146.10
11 44 19 00-0007			<b>Countertop Griddle</b> <sup>(11 44 19)</sup>		
11 44 19 00-0008	EA		16", 120 Voltage, 1750 Watt, Electric Countertop Griddle (Avantco EG16N) .....	528.27	137.70
11 44 19 00-0009	EA		24", 208/240 Voltage, 2675 To 3560 Watt, Electric Countertop Griddle (Avantco EG24N) .....	660.27	137.70
11 44 19 00-0010	EA		30", 208/240 Voltage, 3375 To 4500 Watt, Electric Countertop Griddle (Avantco EG30N) .....	737.27	137.70
11 44 19 00-0011	EA		36", 208/240 Voltage, 7488 To 10080 Watt, Electric Countertop Griddle (Avantco EG36N) .....	934.18	137.70
11 44 19 00-0012	EA		24", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40716) .....	1,016.13	137.70
11 44 19 00-0013	EA		36", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40717) .....	1,310.16	137.70
11 44 19 00-0014			<b>Panini Sandwich Grill</b> <sup>(11 44 19)</sup>		
11 44 19 00-0015	EA		3,500 Watts, 120 Volt, Double Commercial Panini Sandwich Grill With Smooth Plates (Avantco P85S) .....	546.39	79.34
11 44 19 00-0016	EA		1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Plates (Avantco P78) .....	419.27	79.34
11 44 19 00-0017	EA		1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Smooth Plates (Avantco P70S) .....	419.27	79.34
11 44 19 00-0018	EA		1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Top and Smooth Bottom Plates (Avantco P75SG).....	419.27	79.34
11 44 19 00-0019	EA		2,392 Watts, 208 Volt, Panini Perfetto Grooved Top And Bottom Panini Sandwich Grill (Waring WPG150B) .....	856.38	79.34
11 44 19 00-0020			<b>Electric Countertop Fryer, With Submerger</b> <sup>(11 44 19)</sup>		
11 44 19 00-0021	EA		30 LB Capacity, 208-240 Volt, Two Basket, Countertop Deep Fryer (Avantco F202).....	837.55	79.34
11 44 19 00-0022	EA		30 LB Capacity, 208-240 Volt, Four Basket, Commercial Countertop Deep Fryer (Vollrath 40710).....	1,833.38	79.34
11 44 19 00-0023	EA		30 LB Capacity, 240 Volt, Two Basket, Countertop Electric Deep Fryer (Garland E24-31F).....	6,809.43	79.34
11 44 19 00-0024			<b>Electric Floor Fryer, With Submerger</b> <sup>(11 44 19)</sup>		
11 44 19 00-0025	EA		50 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	6,217.58	179.82
11 44 19 00-0026	EA		50 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	6,528.06	179.82
11 44 19 00-0027	EA		85 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	20,917.89	233.77
11 44 19 00-0028	EA		85 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	21,427.39	233.77
11 44 19 00-0029			<b>Kettles, Steam Jacketed</b> <sup>(11 44 19)</sup>		
11 44 19 00-0030	EA		5 Gallon Kettle, With Stand.....	3,763.30	79.06



<b>Equipment</b>	<b>11</b>
Foodservice Equipment	11 40
Food Cooking Equipment	11 44

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0031 EA 20 Gallon Kettle With Steam Jacket .....	14,486.72	105.40
11 44 19 00-0032 EA 40 Gallon Kettle With Steam Jacket .....	14,974.28	115.94
11 44 19 00-0033 EA 60 Gallon Kettle With Steam Jacket .....	18,132.04	126.48
<b>11 44 19 00-0034 Steamers, Electric (11 44 19)</b>		
<b>11 44 19 00-0035 Cooking Equipment/ Steamers (11 44 19 00-0034)</b>		
11 44 19 00-0036 EA 3 Pan, Electric Countertop Convection Steamer.....	8,548.21	188.81
11 44 19 00-0037 EA 5 Pan, Electric Countertop Convection Steamer.....	11,270.27	197.80
11 44 19 00-0038 EA 3 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	7,906.02	188.81
11 44 19 00-0039 EA 5 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	11,547.56	197.80
<b>11 44 19 00-0040 Braising Pans (11 44 19)</b>		
11 44 19 00-0041 EA 24" x 24", 240 Volt, Tilting Braising Pan.....	8,034.69	183.73
11 44 19 00-0042 EA 24" x 31", 240 Volt, Tilting Braising Pan.....	8,478.71	193.21
11 44 19 00-0043 EA 24" x 41", 240 Volt, Tilting Braising Pan.....	9,030.47	205.75
11 44 19 00-0044 EA 24" x 24", 62,000 BTU/Hour, Tilting Braising Pan.....	10,474.19	239.59
11 44 19 00-0045 EA 24" x 31", 90,000 BTU/Hour, Tilting Braising Pan.....	10,830.90	246.97
11 44 19 00-0046 EA 24" x 41", 120,000 BTU/Hour, Tilting Braising Pan.....	11,251.79	253.50
<b>11 44 19 00-0047 Toasters (11 44 19)</b>		
11 44 19 00-0048 EA Bun Toaster 3.2 KW .....	1,597.69	42.48
11 44 19 00-0049 EA Bun Toaster 4.3 KW .....	1,743.63	46.30
11 44 19 00-0050 EA Pop-Up Toaster, 2 Slot .....	541.54	97.37
11 44 19 00-0051 EA Conveyor Toaster .....	934.00	146.10
<b>11 44 19 00-0052 Microwave Ovens (11 44 19)</b>		
11 44 19 00-0053 EA 120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Dial Controls (Galaxy MW1000PD).....	201.61	9.92
11 44 19 00-0054 EA 120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Push Button Controls (Galaxy MW1000PB).....	221.80	9.92
11 44 19 00-0055 EA 120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Stainless Steel Commercial Microwave With Push Button Controls (Solwave MW1000SS).....	289.13	9.92
11 44 19 00-0056 EA 120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13-1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112D).....	369.92	9.92
11 44 19 00-0057 EA 120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13 1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112T).....	464.17	9.92
11 44 19 00-0058 EA 120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwave With Dial Controls (Solwave RMS10DS).....	289.13	9.92
11 44 19 00-0059 EA 120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwaves With Push Button Controls (Amana RMS10TS).....	338.28	9.92
11 44 19 00-0060 EA 120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-3/4" Height, Medium Volume, Stainless Steel Commercial Microwave (Amana RCS10DSE).....	601.53	9.92
11 44 19 00-0061 EA 120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-7/8" Height, Stackable, Commercial Microwave With Push Button Controls (Amana RCS10TS).....	734.84	9.92
11 44 19 00-0062 EA 120 Volt, 1,000 Watt, 21-5/8" Length x 16-1/2" Width x 13-1/2" Height, Stainless Steel, Heavy Duty Commercial Microwave With Push Button Controls (Amana HDC12A2).....	1,546.78	9.92
11 44 19 00-0063 EA 120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Manual Controls (Vollrath 40830).....	423.52	9.92
11 44 19 00-0064 EA 120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Digital Controls (Vollrath 40819).....	578.71	9.92
11 44 19 00-0065 EA 120 Volt, 1,000 Watt, 17" Length x 20" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Waring WMO90).....	443.99	9.92
11 44 19 00-0066 EA 120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Panasonic NE-1054F).....	390.13	9.92
11 44 19 00-0067 EA 120 Volt, 1,000 Watt, 16-3/8" Length x 20-1/8" Width x 12" Height, Stainless Steel Microwave With Programmable Memory Pads (Panasonic NE-1064F).....	759.07	9.92
11 44 19 00-0068 EA 120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel Commercial Microwave With Dial Timer (Panasonic NE-1025).....	349.74	9.92
11 44 19 00-0069 EA 120 Volt, 1,200 Watt, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Stainless Steel Commercial Microwave With Programmable Menu And Auto Cool Down (Solwave MW1200T).....	732.14	9.92
11 44 19 00-0070 EA 120 Volt, 1,200 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, See-through Door, USB Port, Commercial Heavy Duty Stainless Steel Microwave (Solwave MWHD12).....	812.93	9.92
11 44 19 00-0071 EA 120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 15 Integrated Power Levels, See-through Door, Stainless Steel, Commercial, Medium Duty, Microwave With 90 Programmable Menu Pads (Panasonic NE-12523).....	1,366.35	9.92
11 44 19 00-0072 EA 120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, Programmable, 15 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Panasonic NE-12521).....	1,268.05	9.92
11 44 19 00-0073 EA 120 Volt, 2,000 Watt, 21" Length x 21-3/4" Width x 14-3/8" Height, 4 Cooking Stages, 5 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Amana RFS12TS).....	1,492.92	9.92
11 44 19 00-0074 EA 208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 3-Stage Cooking, See-through Door, Stainless Steel, Commercial Microwave With LCD Display (Panasonic NE-17521).....	1,398.67	9.92
11 44 19 00-0075 EA 208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13" Height, LCD Display With Digital Countdown, Stainless Steel, Commercial Microwave With 90 Programmable Memory Pads (Panasonic NE-17523).....	1,571.02	9.92
11 44 19 00-0076 EA 208/230-240 Volt, 2,100 Watt, 20-3/4" Length x 25-9/16" Width x 18-9/16" Height, Sonic Steamer, Stainless Steel, Commercial Microwave With 8 Programmable Memory Pads (Panasonic NE-2180).....	4,243.17	9.92
11 44 19 00-0077 EA 208/230-240 Volt, 3,200 Watt, 20-3/4" Length x 25-9/16" Width x 18-5/8" Height, Sonic Steamer, See-through Door, Stainless Steel, Commercial Microwave With 3-stage Cook (Panasonic NE-3280).....	5,624.69	9.92

<b>11</b>	<b>11 Equipment</b>
	<b>11 40 Foodservice Equipment</b>
	<b>11 44 Food Cooking Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0078 EA 208/230 Volt, 1,800 Watt, 20-1/4" Length x 21-3/4" Width x 14-1/4" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Amana RFS18TS).....	1,752.80	9.92
11 44 19 00-0079 EA 208/230 Volt, 2,200 Watt, 23-1/2" Length x 25-5/8" Width x 18-5/8" Height, Stainless Steel, Heavy Duty, 2 Pan Programmable Microwave (Amana AMSO22).....	5,473.21	9.92
11 44 19 00-0080 EA 208/230 Volt, 2,400 Watt, 19-3/16" Length x 13-5/8" Width x 17-5/8" Height, 11 Power Levels, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana AOC24).....	3,376.69	9.92
11 44 19 00-0081 EA 208/240 Volt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, Space Saver, USB Port, Stainless Steel, Commercial, Heavy Duty Microwave (Solwave MWH18).....	907.19	9.92
11 44 19 00-0082 EA 208/240 Volt, 2,100 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Stackable, Commercial Microwave With Push Button Controls (Solwave MW2100T).....	961.05	9.92
11 44 19 00-0083 EA 208/240 Volt, 2,100 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 15 Power Levels, USB Port, Space Saver, Stainless Steel, Heavy Duty, Commercial Microwave With Push Button Controls (Solwave MWH21).....	1,028.38	9.92
11 44 19 00-0084 EA 208/240 Volt, 1,700 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, See-through Door, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC17S2).....	2,479.91	9.92
11 44 19 00-0085 EA 208/240 Volt, 1,800 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Commercial Microwave With Push Button Controls (Solwave MW1800T).....	826.40	9.92
11 44 19 00-0086 EA 208/240 Volt, 1,800 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana HDC182).....	1,813.39	9.92
11 44 19 00-0087 EA 208/240 Volt, 1,800 Watt, 31-5/8" Length x 16-1/2" Width x 13-1/3" Height, Stainless Steel Commercial, Heavy Duty Microwave With Push Button Controls, Canadian Use Only (Amana HDC1815).....	1,825.51	9.92
11 44 19 00-0088 EA 208/240 Volt, 1,800 Watt, 20-3/4" Length x 22-3/5" Width x 14-1/2" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Waring WMO120).....	1,702.98	9.92
11 44 19 00-0089 EA 208/240 Volt, 2,100 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, 11 Integrated Power Levels, Stainless Steel, Commercial, Heavy Duty Microwave (Amana HDC212).....	1,898.22	9.92
11 44 19 00-0090 EA 208/240 Volt, 2,100 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 5 Cooking Stages, Half-size Pans, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Panasonic NE-21521).....	1,716.44	9.92
11 44 19 00-0091 EA 208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC22S2).....	3,097.96	9.92
11 44 19 00-0092 EA 208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC30S2).....	4,067.45	9.92
<b>11 44 19 00-0093 Ceramic Broiler On Storage Base With Doors</b> <small>(11 44 19)</small>		
11 44 19 00-0094 EA Standard Finish Ceramic Boiler On Storage Base With Doors.....	6,620.03	150.63
11 44 19 00-0095 EA Stainless Steel Front Ceramic Boiler On Storage Base With Doors.....	6,620.03	150.63
11 44 19 00-0096 EA Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors.....	8,228.02	188.05
<b>11 44 19 00-0097 Gas Countertop Hot Plate</b> <small>(11 44 19)</small>		
11 44 19 00-0098 EA 2 Burners Gas Countertop Hot Plate.....	843.99	19.18
<b>11 46 Food Dispensing Equipment</b> <small>(11 46)</small>		
<b>11 46 13 Bar Equipment</b> <small>(11 46)</small>		
<b>11 46 13 00-0001 Soft Serve Machines</b> <small>(11 46 13)</small>		
11 46 13 00-0002 EA Soft Serve Machines, Medium.....	11,986.73	106.27
11 46 13 00-0003 EA Soft Serve Machines, Large.....	20,226.60	129.83
<b>11 46 13 00-0004 Salad Bars</b> <small>(11 46 13)</small>		
11 46 13 00-0005 EA 96" Refrigerated Salad Bar With Light 54" Height.....	13,540.86	408.45
11 46 13 00-0006 EA 96" Refrigerated Salad Bar Without Light 54" Height.....	12,408.44	408.45
11 46 13 00-0007 EA 96" Iced Salad Bar Without Light 54" Height.....	8,747.02	224.41
11 46 13 00-0008 EA 79" Iced Salad Bar Without Light 54" Height.....	6,915.36	184.36
11 46 13 00-0009 EA 79" Refrigerated Salad Bar Without Light 54" Height.....	10,509.03	270.47
11 46 13 00-0010 EA 114" Iced Salad Bar 34" Height.....	11,595.83	239.59
11 46 13 00-0011 EA Salad Bar Tray Fixed.....	1,508.23	40.58
11 46 13 00-0012 EA Salad Bar Tray Hinged.....	1,605.04	40.58
<b>11 46 16 Service Line Equipment</b> <small>(11 46)</small>		
<b>11 46 16 00-0001 Food Warmer Holding Station</b> <small>(11 46 16)</small>		
11 46 16 00-0002 EA Food Warmer Station And Heat Lamp.....	590.31	15.68
<b>11 46 16 00-0003 Reach-In Food Warmers</b> <small>(11 46 16)</small>		
11 46 16 00-0004 EA One Drawer, 16 Roll Capacity Food Warmer.....	1,270.30	33.76
11 46 16 00-0005 EA Three Drawer, 36 Roll Capacity Food Warmer.....	2,907.04	77.34
<b>11 46 16 00-0006 Countertop Food Warmer</b> <small>(11 46 16)</small>		
11 46 16 00-0007 EA 12" x 20", 1500 Watt, 120 Voltage, Full Size Electric Countertop Food Cooker / Warmer (Avantco W50CKR).....	175.17	27.12
11 46 16 00-0008 EA 12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer (Avantco W50).....	153.03	27.12
11 46 16 00-0009 EA 12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Topping Station With 1 Condiment Pump And (1) 7 Quart Inset With Lid And Ladle (Avantco WK12007PL).....	477.55	27.12
11 46 16 00-0010 EA 12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Soup Station With 3 Insets, 3 Covers, And 3 (3 Ounce) Ladles (Avantco WK12004X3).....	328.53	27.12





<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Food Dispensing Equipment	11 46	

MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 46 16 00-0011</b>	<b>Hot Cabinets With Top Wells Electric</b> <small>(11 46 16)</small>		
11 46 16 00-0012	EA 2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric.....	6,769.13	150.63
11 46 16 00-0013	EA 3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric.....	9,671.35	215.87
<b>11 46 16 00-0014</b>	<b>Portable Hot Food Units</b> <small>(11 46 16)</small>		
11 46 16 00-0015	EA 46" Wide x 28" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 37030).....	4,965.40	
11 46 16 00-0016	EA 60" Wide x 28" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 37040).....	5,686.40	
11 46 16 00-0017	EA 74" Wide x 28" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 37050).....	6,427.55	
<b>11 46 16 00-0018</b>	<b>Stationary Hot Food Units</b> <small>(11 46 16)</small>		
11 46 16 00-0019	EA 46" Wide x 29-1/2" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 38203).....	1,501.71	30.68
11 46 16 00-0020	EA 61-1/4" Wide x 29-1/2" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 38204).....	2,015.15	35.31
11 46 16 00-0021	EA 76" Wide x 29-1/2" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 38205).....	2,509.44	45.22
<b>11 46 16 00-0022</b>	<b>Serving Counters</b> <small>(11 46 16)</small>		
11 46 16 00-0023	LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section.....	106.89	36.68
11 46 16 00-0024	LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section.....	136.69	56.19
<b>11 46 16 00-0025</b>	<b>Drop-In Equipment</b> <small>(11 46 16)</small>		
11 46 16 00-0026	EA Hot Food Well, Rectangular.....	509.44	116.88
11 46 16 00-0027	EA Hot Food Well, Circular.....	466.37	116.88
11 46 16 00-0028	EA Refrigerated Well, 2 Compartment.....	1,832.09	116.88
11 46 16 00-0029	EA Refrigerated Well, 3 Compartment.....	2,081.83	129.83
11 46 16 00-0030	EA Refrigerated Well, 4 Compartment.....	2,365.45	146.10
11 46 16 00-0031	EA Frost Cold Plate.....	2,004.23	129.83
<b>11 46 16 00-0032</b>	<b>Beverage Dispensing</b> <small>(11 46 16)</small>		
11 46 16 00-0033	EA Coffee Urn, Twin 3 Gallon.....	3,275.36	189.35
11 46 16 00-0034	EA Coffee Urn, Twin 6 Gallon.....	4,665.19	265.06
11 46 16 00-0035	EA Coffee Brewer, 5 Burner.....	1,347.81	189.35
11 46 16 00-0036	EA Hot Chocolate Dispenser.....	1,313.30	155.96
11 46 16 00-0037	EA Iced Tea Brewer.....	1,927.10	155.96
11 46 16 00-0038	EA Juice Dispenser (Concentrate).....	1,380.49	259.48
11 46 16 00-0039	EA Jet Spray Dispenser.....	1,973.22	259.75
11 46 16 00-0040	EA Milk Dispenser, Bulk, 2 Flavor.....	1,666.25	146.10
11 46 16 00-0041	EA Milk Dispenser, Bulk, 3 Flavor.....	2,280.06	146.10
<b>11 46 16 00-0042</b>	<b>Dish Dispensers</b> <small>(11 46 16)</small>		
11 46 16 00-0043	EA Heated Plate Lift; Adjustable Plate Storage And Transport (Adcraft ADC-LR-2).....	1,815.24	27.12
11 46 16 00-0044	EA 12" Diameter, Drop-in, Dish Dispenser.....	672.63	28.32
11 46 16 00-0045	EA Drop-in, Cup And Glass Dispenser.....	1,140.99	88.07
11 46 16 00-0046	EA Drop-in, Disposable Cup Dispenser.....	416.57	19.84
<b>11 46 16 00-0047</b>	<b>Tray And Silver Dispensers</b> <small>(11 46 16)</small>		
11 46 16 00-0048	EA Tray And Silver Dispensers Mobile.....	2,637.02	19.84
<b>11 46 16 00-0049</b>	<b>Condiment Dispensers</b> <small>(11 46 16)</small>		
11 46 16 00-0050	EA Butter Pat Dispenser.....	150.81	24.83
11 46 16 00-0051	EA Bread Dispenser, Counter Top.....	432.95	24.83
<b>11 46 16 00-0052</b>	<b>Sandwich Rack Warmer</b> <small>(11 46 16)</small>		
11 46 16 00-0053	EA 18 Compartment, 2 Tier Sandwich Rack Warmer.....	3,324.50	125.16
<b>11 46 16 00-0054</b>	<b>Mobile Bread Counter</b> <small>(11 46 16)</small>		
11 46 16 00-0055	EA Mobile Bread And Roll Counter.....	7,630.19	281.36
<b>11 46 16 00-0056</b>	<b>Open Service Stand</b> <small>(11 46 16)</small>		
11 46 16 00-0057	EA 6' Open Service Stand.....	2,930.42	94.34
11 46 16 00-0058	LF Each Additional Foot Over 6 Foot Add.....	400.89	12.75
<b>11 46 16 00-0059</b>	<b>Mobile Serving Stand Unit</b> <small>(11 46 16)</small>		
11 46 16 00-0060	EA 36" Mobile Serving Stand Unit.....	2,559.28	90.23
11 46 16 00-0061	EA 96" Mobile Serving Stand Unit.....	4,206.85	135.24

11	<b>11 Equipment</b>
	<b>11 40 Foodservice Equipment</b>
	<b>11 46 Food Dispensing Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 46 16 00-0062</b> <b>Reach-In Heated Cabinets</b> <small>(11 46 16)</small>		
11 46 16 00-0063 EA Heated Cabinet, Reach-in, 1 Compartment .....	5,145.50	149.88
11 46 16 00-0064 EA Heated Cabinet, Reach-in, 2 Compartment .....	7,419.61	188.54
11 46 16 00-0065 EA Heated Cabinet, 1 Compartment, Pass-Through Roll-In .....	5,387.79	149.88
11 46 16 00-0066 EA Heated Cabinet, Pass-Through, Roll-In 2 Compartment .....	7,771.73	188.54
<b>11 46 16 00-0067</b> <b>Sneeze Guard</b> <small>(11 46 16)</small>		
11 46 16 00-0068 LF 2 Panel Sneeze Guard With Attachments .....	319.55	54.48
<b>11 46 16 00-0069</b> <b>Mobile Heated Cabinets</b> <small>(11 46 16)</small>		
11 46 16 00-0070 EA Mobile, Heated Cabinet .....	5,806.45	49.59
<b>11 46 16 00-0071</b> <b>Smoothie Machine</b> <small>(11 46 16)</small>		
11 46 16 00-0072 EA Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And Two 64 Ounce Polycarbonate Containers (Avamix BX2000T2J) .....	361.45	27.12
11 46 16 00-0073 EA Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And One 64 Ounce Polycarbonate Container (Avamix BX2000T) .....	317.09	27.12
11 46 16 00-0074 EA Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2000V2J) .....	384.21	27.12
11 46 16 00-0075 EA Smoothie Machines 3-1/2 HP Commercial Blender With Touchpad Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2100E2J) .....	395.59	27.12
11 46 16 00-0076 EA Smoothie Machines 2 HP Commercial Blender With Toggle Control And 64 Ounce Polycarbonate Container (Avamix BL2T64) .....	209.85	27.12
<b>11 46 16 00-0077</b> <b>Refrigerated Buffet Display Table</b> <small>(11 46 16)</small>		
11 46 16 00-0078 EA 35" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-36-N) .....	3,163.75	27.12
11 46 16 00-0079 EA 47" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-48-N) .....	4,190.77	27.12
11 46 16 00-0080 EA 59" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-60-N) .....	4,841.37	27.12
11 46 16 00-0081 EA 71" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-72-N) .....	5,669.57	27.12
<b>11 46 16 00-0082</b> <b>Refrigerated Bakery Display Case</b> <small>(11 46 16)</small>		
11 46 16 00-0083 EA 26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC36HCW) .....	2,429.79	19.84
11 46 16 00-0084 EA 26-1/2" Length x 47-7/8" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC48HCB) .....	2,788.47	19.84
11 46 16 00-0085 EA 26-1/2" Length x 59-2/3" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC48HCW) .....	2,794.10	22.69
11 46 16 00-0086 EA 26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC60HCB) .....	3,033.22	22.69
11 46 16 00-0087 EA 26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC60HCW) .....	3,033.22	22.69
11 46 16 00-0088 EA 26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC72HCB) .....	3,891.87	22.69
11 46 16 00-0089 EA 26-1/2" Length x 72-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Bakery Display Case, White (Avantco 193BC72HCW) .....	3,891.87	22.69
11 46 16 00-0090 EA 27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3646NW) .....	4,901.07	26.42
11 46 16 00-0091 EA 27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP3646FN) .....	6,234.67	26.42
11 46 16 00-0092 EA 27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, Two Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3646NN) .....	4,901.07	26.42
11 46 16 00-0093 EA 27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3646FW) .....	6,234.67	26.42
11 46 16 00-0094 EA 27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3654NW) .....	5,192.58	26.42
11 46 16 00-0095 EA 27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654F) .....	5,192.58	26.42
11 46 16 00-0096 EA 27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3654NN) .....	5,192.58	26.42
11 46 16 00-0097 EA 27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4846NN) .....	5,519.85	26.42
11 46 16 00-0098 EA 27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4846FW) .....	7,023.68	26.42
11 46 16 00-0099 EA 27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4846NW) .....	5,519.85	26.42
11 46 16 00-0100 EA 27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4846FD) .....	6,613.54	26.42



<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Food Dispensing Equipment	11 46	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0101	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4846FN) .....	7,023.68	26.42
11 46 16 00-0102	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4854FW) .....	7,441.34	26.42
11 46 16 00-0103	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4854NW) .....	5,847.89	26.42
11 46 16 00-0104	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4854FD) .....	7,006.73	26.42
11 46 16 00-0105	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4854FN) .....	7,441.34	26.42
11 46 16 00-0106	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4854NN) .....	5,847.89	26.42
11 46 16 00-0107	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6046FW) .....	7,700.07	26.42
11 46 16 00-0108	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP6046FD) .....	7,250.39	26.42
11 46 16 00-0109	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP6046FN) .....	7,700.07	26.42
11 46 16 00-0110	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6046NN) .....	7,700.07	26.42
11 46 16 00-0111	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6054FD) .....	7,682.00	26.42
11 46 16 00-0112	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 36" Curved Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco 193BC36HCB) .....	2,447.80	28.88
11 46 16 00-0113	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6054FW) .....	8,163.55	28.88
11 46 16 00-0114	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP6054NW) .....	6,415.31	28.88
11 46 16 00-0115	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654FW) .....	6,606.39	26.42
11 46 16 00-0116	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB36RWN) .....	2,824.00	28.88
11 46 16 00-0117	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB36FBN) .....	8,433.20	28.88
11 46 16 00-0118	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB36FWN) .....	8,433.20	28.88
11 46 16 00-0119	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB362WN) .....	8,433.20	28.88
11 46 16 00-0120	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB48DWN) .....	6,487.68	28.88
11 46 16 00-0121	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Refrigerated Bakery Display Case, Black (Turbo Air TCGB48FBN) .....	10,157.35	28.88
11 46 16 00-0122	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB48FWN) .....	10,157.35	28.88
11 46 16 00-0123	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB482WN) .....	10,157.35	28.88
11 46 16 00-0124	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB60DWN) .....	7,460.23	28.88
11 46 16 00-0125	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB60FBN) .....	10,317.40	28.88
11 46 16 00-0126	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB60FWN) .....	14,057.46	28.88
11 46 16 00-0127	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB602WN) .....	14,057.46	28.88
11 46 16 00-0128	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB722WN) .....	10,787.18	31.73
<b>11 46 16 00-0129</b>		<b>Dry Bakery Display Case</b> <small>(11 46 16)</small>		
11 46 16 00-0130	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD36B) .....	2,007.49	19.84
11 46 16 00-0131	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD36W) .....	2,007.49	19.84
11 46 16 00-0132	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD48B) .....	2,226.26	19.84
11 46 16 00-0133	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD48W) .....	2,226.26	19.84
11 46 16 00-0134	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD60B) .....	2,560.04	22.69
11 46 16 00-0135	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD60W) .....	3,052.27	22.69
11 46 16 00-0136	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD72B) .....	2,986.64	22.69
11 46 16 00-0137	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD72W) .....	2,986.64	22.69

**11 Equipment**  
**11 40 Foodservice Equipment**  
**11 46 Food Dispensing Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0138	EA		27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air TBP3646FN).....	6,274.08	26.42
11 46 16 00-0139	EA		27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air TBP3646FW).....	12,495.24	26.42
11 46 16 00-0140	EA		34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Turbo Air TCGB72DWN).....	8,018.31	31.73
11 46 16 00-0141	EA		35-3/4" Length x 37-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Beverage-Air CDR3HCWD).....	6,082.55	28.88
11 46 16 00-0142	EA		35-3/4" Length x 36-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR3HCBD).....	6,082.55	28.88
11 46 16 00-0143	EA		35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR4HCBD).....	6,082.55	28.88
11 46 16 00-0144	EA		35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Doors, 2 Shelves, Dry Bakery Display Case, White (Beverage-Air CDR4HCWD).....	6,082.55	28.88
11 46 16 00-0145	EA		35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR5HCBD).....	6,327.02	28.88
11 46 16 00-0146	EA		35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR5HCWD).....	6,327.02	28.88
11 46 16 00-0147	EA		35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR6HCBD).....	6,840.36	31.73
11 46 16 00-0148	EA		35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR6HCWD).....	6,840.36	31.73
<b>11 46 16 00-0149 Dual Dry/Refrigerated Bakery Display Case <small>(11 46 16)</small></b>					
11 46 16 00-0150	EA		34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Dual Dry/Refrigerated Bakery Display Case, Black (Turbo Air TCGB60UFCBON).....	15,261.04	28.88
11 46 16 00-0151	EA		34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60UFCOWN).....	15,261.04	28.88
11 46 16 00-0152	EA		34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60COWN).....	15,261.04	28.88
11 46 16 00-0153	EA		34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72UFCOWN).....	15,266.83	31.73
11 46 16 00-0154	EA		34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72COWN).....	15,670.76	31.73
<b>11 46 16 00-0155 Refrigerated Deli Case <small>(11 46 16)</small></b>					
11 46 16 00-0156	EA		30" Length x 72-1/2" Width x 41-7/8" Height, 72" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72LWN).....	10,978.33	105.77
11 46 16 00-0157	EA		30" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72HWN).....	10,978.33	105.77
11 46 16 00-0158	EA		30" Length x 96-1/2" Width x 41-7/8" Height, 96" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96LWN).....	12,589.85	105.77
11 46 16 00-0159	EA		30" Length x 96-1/2" Width x 5-1/8" Height, 96" Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degree Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96HWN).....	12,589.85	105.77
11 46 16 00-0160	EA		32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC36HCB).....	2,545.69	63.48
11 46 16 00-0161	EA		32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Doors, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC36HCS).....	2,774.44	63.48
11 46 16 00-0162	EA		32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC36HCW).....	2,545.69	63.48
11 46 16 00-0163	EA		32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC47HCB).....	2,878.42	79.34
11 46 16 00-0164	EA		32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC47HCS).....	3,131.25	79.34
11 46 16 00-0165	EA		32-1/2" Length x 64-1/3" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC64HCW).....	3,364.77	105.77
11 46 16 00-0166	EA		32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC64HCB).....	3,364.77	105.77
11 46 16 00-0167	EA		32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC64HCS).....	3,810.23	105.77
11 46 16 00-0168	EA		32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC47HCW).....	2,931.34	105.77
11 46 16 00-0169	EA		32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC82HCB).....	3,677.79	105.77
11 46 16 00-0170	EA		32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC82HCW).....	3,677.79	105.77



<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Food Dispensing Equipment	11 46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0171 EA 32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC82HCS).....	4,051.02	105.77
<b>11 46 19 Soda Fountain Equipment (11 46)</b>		
<b>11 46 19 00-0001 Carbonated Beverage Dispensing (11 46 19)</b>		
11 46 19 00-0002 EA Carbonated Beverage Dispenser.....	3,549.69	365.30
11 46 19 00-0003 EA Carbonated Beverage Dispenser With 90 LB Ice .....	5,665.59	417.45
11 46 19 00-0004 EA Carbonated Beverage Dispenser With 150 LB Ice .....	10,455.53	584.40
<b>11 46 19 00-0005 Beverage Chilling Systems (11 46 19)</b>		
11 46 19 00-0006 EA Beverage Chiller, Small .....	7,975.83	325.44
11 46 19 00-0007 EA Beverage Chiller, Large .....	14,959.44	488.20
<b>11 46 83 Ice Machines (11 46)</b>		
<b>11 46 83 00-0001 Undercounter Ice Machines With Bin (11 46 83)</b>		
11 46 83 00-0002 EA 53 LB/Day, Air Cooled Undercounter Octagonal Cube Ice Machine With 25 LB Capacity Bin (Manitowoc SM-50A 115/60/1) .....	2,398.51	19.84
11 46 83 00-0003 EA 85 LB/Day, Air Cooled Undercounter Pearl/Nugget Ice Machine With 22 LB Capacity Bin (Ice-O-Matic GEMU090).....	3,813.51	157.34
11 46 83 00-0004 EA 137 LB/Day, Air Cooled Undercounter Half Dice Cube Ice Machine With 90 LB Capacity Bin (Manitowoc UYF0140A).....	2,894.10	157.34
11 46 83 00-0005 EA 100 LB/Day, Undercounter, Air Cooled Ice Machine With 57 LB Capacity Bin (Scotsman CU0920MA) .....	2,823.79	157.34
11 46 83 00-0006 EA 227 LB/Day, Undercounter, Air Cooled Ice Machine With 80 Lb Capacity Bin (Scotsman UC2024SA) .....	3,042.03	168.58
11 46 83 00-0007 EA 282 LB/Day, Undercounter, Air Cooled Ice Machine With 80 Lb Capacity Bin (Scotsman UC2724SA) .....	3,408.75	168.58
<b>11 46 83 00-0008 Ice Cube Maker (11 46 83)</b>		
11 46 83 00-0009 EA 320 LB/Day, Modular Ice Maker Without Bin .....	3,766.94	168.58
11 46 83 00-0010 EA 451 LB/Day, Modular Ice Maker Without Bin .....	4,094.50	179.82
11 46 83 00-0011 EA 600 LB/Day, Modular Ice Maker Without Bin .....	4,695.87	179.82
11 46 83 00-0012 EA 901 LB/Day, Modular Ice Maker Without Bin .....	6,734.48	191.06
11 46 83 00-0013 EA 1301 LB/Day, Modular Ice Maker Without Bin .....	7,649.98	191.06
11 46 83 00-0014 EA 1601 LB/Day, Modular Ice Maker Without Bin .....	9,231.05	202.29
11 46 83 00-0015 EA 1900 LB/Day, Modular Ice Maker Without Bin .....	10,203.97	202.29
<b>11 46 83 00-0016 Ice Flakers (11 46 83)</b>		
11 46 83 00-0017 EA 300 LB/Day, Ice Flakers .....	5,991.93	530.34
11 46 83 00-0018 EA 600 LB/Day, Ice Flakers .....	10,871.26	848.56
11 46 83 00-0019 EA 1,000 LB/Day, Ice Flakers.....	13,420.29	1,166.77
11 46 83 00-0020 EA 2,000 LB/Day, Ice Flakers.....	16,422.05	1,272.84
<b>11 46 83 00-0021 Ice Storage Bins (11 46 83)</b>		
11 46 83 00-0022 EA 260 LB Capacity, Stainless Steel Ice Storage Bin .....	1,495.62	119.02
11 46 83 00-0023 EA 360 LB Capacity, Stainless Steel Ice Storage Bin .....	1,642.61	119.02
11 46 83 00-0024 EA 550 LB Capacity, Stainless Steel Ice Storage Bin .....	2,054.42	128.94
11 46 83 00-0025 EA 660 LB Capacity, Stainless Steel Ice Storage Bin .....	2,217.75	128.94
11 46 83 00-0026 EA 1150 LB Capacity, Stainless Steel Ice Storage Bin .....	4,279.14	138.86
<b>11 48 Foodservice Cleaning and Disposal Equipment (11 40)</b>		
<b>11 48 13 Commercial Dishwashers (11 48)</b>		
<b>11 48 13 00-0001 Rack Type Dishwasher (11 48 13)</b>		
11 48 13 00-0002 EA Dishwasher, 1 Tank And 190 Racks/Hour .....	10,420.20	212.04
11 48 13 00-0003 EA Dishwasher, 2 Tanks And 234 Racks/Hour .....	17,955.24	556.62
11 48 13 00-0004 EA Dishwasher, 2 Tanks And 265 Racks/Hour .....	21,559.82	636.13
11 48 13 00-0005 EA Dishwasher, Automatic - 100 Meals/Hour.....	16,786.87	159.04
11 48 13 00-0006 EA Dishwasher, Machine Rack .....	19,595.49	441.80
11 48 13 00-0007 EA Dishwasher, Hobart LX30-H .....	5,214.47	185.54
<b>11 48 13 00-0008 Exhaust Hood Dishwasher (11 48 13)</b>		
11 48 13 00-0009 EA 4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	2,158.05	243.44
11 48 13 00-0010 EA 4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	3,634.48	292.12
<b>11 48 13 00-0011 Dish Tables (11 48 13)</b>		
11 48 13 00-0012 LF Clean/Soiled Dish Table, Basic.....	246.90	40.72
11 48 13 00-0013 LF Clean/Soiled Dish Table With Trough.....	387.63	61.03
11 48 13 00-0014 LF Clean/Soiled Dish Table, Maximum.....	470.76	81.33

11	<b>11 Equipment</b>
	<b>11 40 Foodservice Equipment</b>
	<b>11 48 Foodservice Cleaning and Disposal Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 48 13 00-0015 <b>Sprays And Hoses</b> <small>(11 48 13)</small>		
11 48 13 00-0016 <b>Sprays, Fillers</b> <small>(11 48 13 00-0015)</small>		
11 48 13 00-0017    EA    Pre-Rinse Spray.....	423.81	77.26
11 48 13 00-0018    EA    Kettle Fillers .....	369.97	77.26
11 48 13 00-0019 <b>Hoses</b> <small>(11 48 13 00-0015)</small>		
11 48 13 00-0020    EA    Hose Reel .....	508.57	92.76
11 48 13 00-0021    EA    Wash-Down Hose .....	400.89	92.76
11 48 13 00-0022    EA    Hose Reel And Spray System With Accessories (Chicago 535NF) .....	1,247.51	
<b>11 48 16    Foodservice Disposal Equipment</b> <small>(11 48)</small>		
11 48 16 00-0001 <b>Garbage Disposals</b> <small>(11 48 16)</small>		
Note: Manual switch.		
11 48 16 00-0002    EA    1/2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal .....	1,471.45	143.13
11 48 16 00-0003    EA    3/4 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal .....	1,858.58	148.43
11 48 16 00-0004    EA    1 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal .....	1,995.91	153.73
11 48 16 00-0005    EA    1.5 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal .....	2,612.76	159.04
11 48 16 00-0006    EA    2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal .....	2,849.30	174.94
11 48 16 00-0007    EA    3 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal .....	4,021.84	190.85
11 48 16 00-0008    EA    5 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal .....	4,806.24	212.04
11 48 16 00-0009    EA    7-1/2 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal .....	6,695.48	227.95
11 48 16 00-0010    EA    10 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal .....	8,821.53	238.55
11 48 16 00-0011 <b>Pulper/Extractors</b> <small>(11 48 16)</small>		
11 48 16 00-0012    EA    5 HP, Pulper/Extractor, Close-Coupled.....	5,844.01	220.85
<b>11 50 Educational and Scientific Equipment</b> <small>(11)</small>		
11 52 <b>Audio-Visual Equipment</b> <small>(11 50)</small>		
11 52 13 <b>Projection Screens</b> <small>(11 52)</small>		
11 52 13 13 <b>Fixed Projection Screens</b> <small>(11 52 13)</small>		
11 52 13 13-0001 <b>Screens</b> <small>(11 52 13 13)</small>		
11 52 13 13-0002 <b>Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B)</b>		
11 52 13 13-0003    EA    40" x 40" Pull Down Projection Screen (Da-Lite B) .....	339.00	76.28
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0004    EA    50" x 50" Pull Down Projection Screen (Da-Lite B) .....	404.16	98.07
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0005    EA    60" x 60" Pull Down Projection Screen (Da-Lite B) .....	512.90	136.22
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0006    EA    70" x 70" Pull Down Projection Screen (Da-Lite B) .....	594.41	163.46
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0007    EA    84" x 84" Pull Down Projection Screen (Da-Lite B) .....	919.98	245.19
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0008    EA    96" x 96" Pull Down Projection Screen (Da-Lite B) .....	1,082.54	272.43
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0009    EA    64" x 84" Pull Down Projection Screen (Da-Lite B) .....	778.31	174.36
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0010    EA    72" x 96" Pull Down Projection Screen (Da-Lite B) .....	892.52	217.95
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0011    EA    43" x 57" Pull Down Projection Screen (Da-Lite B) .....	479.77	92.62
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0012    EA    50" x 67" Pull Down Projection Screen (Da-Lite B) .....	664.12	130.77
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	



<b>Equipment</b>	<b>11</b>	
<b>Educational and Scientific Equipment</b>	<b>11 50</b>	<b>11</b>
<b>Audio-Visual Equipment</b>	<b>11 52</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0013	EA		55" x 77" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	723.83 40.00 40.00 120.00	147.12
11 52 13 13-0014	EA		60" x 80" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	772.64 40.00 40.00 120.00	158.01
11 52 13 13-0015	EA		69" x 92" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	892.07 40.00 40.00 120.00	190.71
11 52 13 13-0016	EA		45" x 80" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	729.05 40.00 40.00 120.00	136.22
11 52 13 13-0017	EA		52" x 92" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	826.68 40.00 40.00 120.00	158.01
<b>11 52 13 13-0018</b>			<b>Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C)</b> <small>(11 52 13 13-0001)</small>		
11 52 13 13-0019	EA		50" x 50" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	782.43 40.00 40.00 120.00	98.07
11 52 13 13-0020	EA		60" x 60" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	918.18 40.00 40.00 120.00	136.22
11 52 13 13-0021	EA		70" x 70" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,070.29 40.00 40.00 120.00	185.26
11 52 13 13-0022	EA		84" x 84" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,244.21 40.00 40.00 120.00	245.19
11 52 13 13-0023	EA		6' x 8' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,363.19 40.00 40.00 120.00	250.64
11 52 13 13-0024	EA		8' x 8' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,460.80 40.00 40.00 120.00	272.43
11 52 13 13-0025	EA		7' x 9' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,487.82 40.00 40.00 120.00	272.43
11 52 13 13-0026	EA		9' x 9' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,601.57 40.00 40.00 120.00	288.78
11 52 13 13-0027	EA		8' x 10' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,715.33 40.00 40.00 120.00	305.12
11 52 13 13-0028	EA		10' x 10' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,839.97 40.00 40.00 120.00	326.92
11 52 13 13-0029	EA		9' x 12' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,056.13 40.00 40.00 120.00	326.92
11 52 13 13-0030	EA		12' x 12' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,382.14 40.00 40.00 120.00	435.90
<b>11 52 13 13-0031</b>			<b>Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR)</b> <small>(11 52 13 13-0001)</small> Note: With controlled screen return.		
11 52 13 13-0032	EA		60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,458.56 40.00 40.00 120.00	136.22
11 52 13 13-0033	EA		70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,637.69 40.00 40.00 120.00	185.26

**11 Equipment**  
**11 50 Educational and Scientific Equipment**  
**11 52 Audio-Visual Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0034	EA		84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,811.61	245.19
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0035	EA		6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,903.57	250.64
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0036	EA		8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,028.20	272.43
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0037	EA		7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,055.22	272.43
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0038	EA		9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,168.97	288.78
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0039	EA		8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,217.79	299.67
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0040	EA		10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,488.43	326.92
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0041	EA		9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,731.60	326.92
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0042	EA		12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	3,111.66	435.90
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	

**11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol)** (11 52 13 13-0001)

Note: Heavy-duty screen for exposed installation.

11 52 13 13-0044	EA		50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,323.43	122.59
11 52 13 13-0045	EA		60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,375.47	136.22
11 52 13 13-0046	EA		70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,477.08	163.46
11 52 13 13-0047	EA		84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,853.82	245.19
11 52 13 13-0048	EA		6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,924.24	250.64
11 52 13 13-0049	EA		8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,104.22	272.43
11 52 13 13-0050	EA		7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,166.22	272.43
11 52 13 13-0051	EA		9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,323.40	291.51
11 52 13 13-0052	EA		8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,516.81	305.12
11 52 13 13-0053	EA		10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,642.24	326.92
11 52 13 13-0054	EA		9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,753.84	326.92
11 52 13 13-0055	EA		12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	4,165.22	435.90

**11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol)** (11 52 13 13-0001)

Note: Heavy-duty screen for exposed or recessed installation without doors.

11 52 13 13-0057	EA		9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	5,244.37	326.92
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0058	EA		12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	5,678.46	435.90
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0059	EA		14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	7,030.31	490.38
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0060	EA		20' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	7,409.47	544.86
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0061	EA		16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	7,897.61	653.84
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0062	EA		13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	8,817.14	708.33
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0063	EA		18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	9,655.64	762.81
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0064	EA		15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	10,196.02	762.81
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0065	EA		20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	10,981.37	871.78
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0066	EA		11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	10,168.09	708.33
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0067	EA		16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	10,765.21	871.78
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0068	EA		22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	11,253.35	980.76
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0069	EA		12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	10,817.45	762.81
			Note: Heavy-duty screen for exposed or recessed installation without doors.		





<b>Equipment</b>	<b>11</b>	
Educational and Scientific Equipment	11 50	11
Audio-Visual Equipment	11 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0070 EA 18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) ..... Note: Heavy-duty screen for exposed or recessed installation without doors.	13,955.25	980.76
<b>11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) <sup>(11 52 13 13-0001)</sup></b>		
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0072 EA 50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,835.72	122.59
11 52 13 13-0073 EA 60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,944.02	136.22
11 52 13 13-0074 EA 70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,052.54	163.46
11 52 13 13-0075 EA 84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,405.14	245.19
11 52 13 13-0076 EA 6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,470.07	250.64
11 52 13 13-0077 EA 8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,675.77	272.43
11 52 13 13-0078 EA 7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,837.88	272.43
11 52 13 13-0079 EA 9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,957.08	291.51
11 52 13 13-0080 EA 8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,119.42	305.12
11 52 13 13-0081 EA 10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,271.09	326.92
11 52 13 13-0082 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,325.13	326.92
11 52 13 13-0083 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,813.26	435.90
11 52 13 13-0084 EA 10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,300.06	463.14
11 52 13 13-0085 EA 14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,624.73	490.38
11 52 13 13-0086 EA 12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,328.12	544.86
11 52 13 13-0087 EA 16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,681.17	653.84
<b>11 52 13 13-0088 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) <sup>(11 52 13 13-0001)</sup></b>		
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0089 EA 50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,014.34	122.59
11 52 13 13-0090 EA 60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,106.65	149.84
11 52 13 13-0091 EA 70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,158.21	163.46
11 52 13 13-0092 EA 84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,400.03	245.19
11 52 13 13-0093 EA 6' x 8' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,435.25	250.64
11 52 13 13-0094 EA 8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,581.50	272.43
11 52 13 13-0095 EA 7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,724.70	272.43
11 52 13 13-0096 EA 9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,954.67	291.51
11 52 13 13-0097 EA 8' x 10' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	5,019.75	305.12
11 52 13 13-0098 EA 10' x 10' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	5,179.52	326.92
11 52 13 13-0099 EA 9' x 12' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	5,180.42	381.41
11 52 13 13-0100 EA 12' x 12' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	5,667.65	435.90
11 52 13 13-0101 EA 10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	7,067.70	463.14
11 52 13 13-0102 EA 14' x 14' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	7,378.86	490.38
11 52 13 13-0103 EA 12' x 16' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	7,987.68	544.86
11 52 13 13-0104 EA 16' x 16' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	8,319.11	653.84
11 52 13 13-0105 EA 13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	9,063.03	708.33
11 52 13 13-0106 EA 18' x 18' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	9,623.21	762.81
11 52 13 13-0107 EA 15' x 20' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	10,017.69	762.81

11	<b>11 Equipment</b>
	<b>11 50 Educational and Scientific Equipment</b>
	<b>11 52 Audio-Visual Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0108 EA 20' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	11,078.63	871.78
11 52 13 13-0109 EA 50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,158.21	163.46
11 52 13 13-0110 EA 60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,345.55	217.95
11 52 13 13-0111 EA 69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,424.35	245.19
11 52 13 13-0112 EA 87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	5,046.77	305.12
11 52 13 13-0113 EA 105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	5,404.67	381.41
11 52 13 13-0114 EA 123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	6,700.68	490.38
11 52 13 13-0115 EA 141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	7,123.98	599.35
11 52 13 13-0116 EA 12' x 24' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	12,515.14	817.30
11 52 13 13-0117 EA 45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,359.06	217.95
11 52 13 13-0118 EA 52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,464.87	245.19
11 52 13 13-0119 EA 54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,575.92	261.54
11 52 13 13-0120 EA 58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,643.83	283.33
11 52 13 13-0121 EA 65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,917.08	305.12
11 52 13 13-0122 EA 78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	5,302.00	381.41
11 52 13 13-0123 EA 92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	6,627.73	490.38
11 52 13 13-0124 EA 106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	7,661.65	599.35
11 52 13 13-0125 EA 119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	9,298.09	708.33
<b>11 52 13 13-0126 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) <small>(11 52 13 13-0001)</small></b> Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0127 EA 50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,567.83	122.59
11 52 13 13-0128 EA 60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,654.59	136.22
11 52 13 13-0129 EA 70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,753.72	163.46
11 52 13 13-0130 EA 84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,070.94	245.19
11 52 13 13-0131 EA 6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,131.44	250.64
11 52 13 13-0132 EA 8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,281.66	272.43
11 52 13 13-0133 EA 7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,447.82	272.43
11 52 13 13-0134 EA 9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,592.60	291.51
11 52 13 13-0135 EA 8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,699.21	305.12
11 52 13 13-0136 EA 10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,869.28	326.92
11 52 13 13-0137 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,040.40	326.92
11 52 13 13-0138 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,402.18	435.90
<b>11 52 13 13-0139 Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) <small>(11 52 13 13-0001)</small></b> Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140 EA 60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	12,376.48	272.43
11 52 13 13-0141 EA 69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	13,241.99	326.92
11 52 13 13-0142 EA 87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,406.20	490.38
11 52 13 13-0143 EA 105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	19,407.71	653.84
11 52 13 13-0144 EA 120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	21,516.98	762.81



<b>Equipment</b>	<b>11</b>	
Educational and Scientific Equipment	11 50	11
Audio-Visual Equipment	11 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0145 EA 52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	13,133.01	272.43
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0146 EA 58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	14,349.77	326.92
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0147 EA 65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	15,188.25	381.41
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0148 EA 78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	19,080.79	490.38
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
<b>11 52 13 13-0149 Electric Rear Projection Screen (Da-Lite DA-View) (11 52 13 13-0001)</b>		
Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150 EA 60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	4,341.11	272.43
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0151 EA 67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	5,450.70	299.67
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0152 EA 72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	6,243.76	326.92
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0153 EA 84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	11,257.22	354.16
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0154 EA 90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	12,472.31	12,090.91
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0155 EA 96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	13,847.40	435.90
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0156 EA 100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	17,754.74	490.38
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0157 EA 120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	23,983.29	544.86
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0158 EA 125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	26,835.53	599.35
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0159 EA 135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	35,912.85	653.84
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
<b>11 52 13 13-0160 Screen Accessories (11 52 13 13-0001)</b>		
<b>11 52 13 13-0161 Manual Pull Down Accessories (11 52 13 13-0160)</b>		
11 52 13 13-0162 EA 6" Mounting Bracket (Pair).....	64.98	8.18
11 52 13 13-0163 EA 14" Wall Mounting Bracket (Pair).....	92.00	8.72
11 52 13 13-0164 EA 14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair).....	108.21	9.81
<b>11 52 13 13-0165 Electric Powered Screen Accessories (11 52 13 13-0160)</b>		
11 52 13 13-0166 EA Single Motor Low Voltage Remote Control System - Infrared.....	672.98	
11 52 13 13-0167 EA Single Motor Low Voltage Remote Control System - Radio Frequency.....	970.19	
<b>11 52 13 16 Portable Projection Screens (11 52 13)</b>		
<b>11 52 13 16-0001 Projection Screen And Case (11 52 13 16)</b>		
11 52 13 16-0002 EA 9' x 12' Spring-Roller Operated Projection Screen (Draper Luma 2).....	1,969.28	203.35
11 52 13 16-0003 EA 12' x 12' Spring-Roller Operated Projection Screen (Draper Luma 2).....	1,984.06	203.35
11 52 13 16-0004 EA 9' x 9' Non Tensioned Electric Projection Screen (Draper Targa).....	2,069.22	203.35
11 52 13 16-0005 EA 9' x 12' Non Tensioned Electric Projection Screen (Draper Targa).....	2,262.62	203.35
11 52 13 16-0006 EA 12' x 12' Non Tensioned Electric Projection Screen (Draper Targa).....	3,246.96	203.35
11 52 13 16-0007 EA 12' x 16' Non Tensioned Electric Projection Screen (Draper Targa).....	4,410.04	203.35
11 52 13 16-0008 EA 14' x 14' Non Tensioned Electric Projection Screen (Draper Targa).....	3,916.53	203.35
11 52 13 16-0009 EA 16' x 16' Non Tensioned Electric Projection Screen (Draper Targa).....	4,520.74	203.35
11 52 13 16-0010 EA 15' x 20' Non Tensioned Electric Projection Screen (Draper Paragon).....	7,121.24	203.35
11 52 13 16-0011 EA 20' x 20' Non Tensioned Electric Projection Screen (Draper Paragon).....	7,534.92	203.35
11 52 13 16-0012 EA 11' x 22' Non Tensioned Electric Projection Screen (Draper Paragon).....	7,287.86	203.35
11 52 13 16-0013 EA 16'-6" x 22' Non Tensioned Electric Projection Screen (Draper Paragon).....	7,460.23	203.35
11 52 13 16-0014 EA 22' x 22' Non Tensioned Electric Projection Screen (Draper Paragon).....	7,638.35	203.35
11 52 13 16-0015 EA Projection Screen Hanger Assembly Unit.....	177.00	25.42
Note: Includes beam clamp, 1/4" cable tail, 8' long, 3/8" x 6" eye and jaw turnbuckle and #1715 pipe clamp (for 1-1/2" inside diameter pipe batten).		
<b>11 52 16 Projectors (11 52)</b>		
<b>11 52 16 26 Video Projectors (11 52 16)</b>		
<b>11 52 16 26-0001 Projectors (11 52 16 26)</b>		
11 52 16 26-0002 EA 2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector.....	1,258.09	54.48
11 52 16 26-0003 EA 2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector.....	1,459.19	54.48
11 52 16 26-0004 EA 2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector.....	1,933.20	54.48
11 52 16 26-0005 EA 3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	3,053.59	54.48
11 52 16 26-0006 EA 3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	3,556.33	54.48
11 52 16 26-0007 EA 3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector.....	4,518.72	54.48
11 52 16 26-0008 EA 4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	7,190.42	54.48
11 52 16 26-0009 EA 5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	9,747.21	54.48
11 52 16 26-0010 EA 6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	14,472.97	54.48

**11 Equipment****11 50 Educational and Scientific Equipment****11 52 Audio-Visual Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

11 52 16 26-0011	Projector Mounts <small>(11 52 16 26)</small>		
11 52 16 26-0012	Universal Projector Mounts <small>(11 52 16 26-0011)</small>		
	Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013	EA Flush Ceiling, Universal Projector Mount (Peerless PPF).....	268.76	59.91
11 52 16 26-0014	EA Wall Arm, Universal Projector Mount (Peerless PWA-14).....	447.08	59.91
11 52 16 26-0015	Projector Mount Components <small>(11 52 16 26-0011)</small>		
	Note: Includes ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016	Ceiling Attachment Plates For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0017	EA Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570).....	96.87	27.23
11 52 16 26-0018	EA Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557).....	133.46	27.23
11 52 16 26-0019	EA I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559).....	187.63	27.23
11 52 16 26-0020	EA Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455).....	232.00	27.23
11 52 16 26-0021	Projector Attachment Plates For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0022	EA Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV).....	347.87	27.23
11 52 16 26-0023	EA High Security Projector Enclosure For Projector Mounts (Peerless ALB).....	774.51	27.23
11 52 16 26-0024	Threaded Extension Columns For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0025	Fixed Length, Threaded Extension Column For Projector Mounts <small>(11 52 16 26-0024)</small>		
	Note: Peerless EXT series.		
11 52 16 26-0026	EA 6" Fixed Length, Threaded Extension Column For Projector Mounts.....	59.23	8.17
11 52 16 26-0027	EA 12" Fixed Length, Threaded Extension Column For Projector Mounts.....	77.28	8.17
11 52 16 26-0028	EA 18" Fixed Length, Threaded Extension Column For Projector Mounts.....	84.06	8.17
11 52 16 26-0029	EA 24" Fixed Length, Threaded Extension Column For Projector Mounts.....	88.57	8.17
11 52 16 26-0030	EA 36" Fixed Length, Threaded Extension Column For Projector Mounts.....	105.30	10.89
11 52 16 26-0031	EA 48" Fixed Length, Threaded Extension Column For Projector Mounts.....	127.87	10.89
11 52 16 26-0032	EA 60" Fixed Length, Threaded Extension Column For Projector Mounts.....	163.98	10.89
11 52 16 26-0033	EA 72" Fixed Length, Threaded Extension Column For Projector Mounts.....	188.81	10.89
11 52 16 26-0034	EA 84" Fixed Length, Threaded Extension Column For Projector Mounts.....	221.35	13.62
11 52 16 26-0035	EA 96" Fixed Length, Threaded Extension Column For Projector Mounts.....	252.95	13.62
11 52 16 26-0036	EA 108" Fixed Length, Threaded Extension Column For Projector Mounts.....	280.97	16.34
11 52 16 26-0037	EA 120" Fixed Length, Threaded Extension Column For Projector Mounts.....	294.52	16.34
11 52 16 26-0038	Adjustable Length, Threaded Extension Columns For Projector Mounts <small>(11 52 16 26-0024)</small>		
	Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039	EA 6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts.....	122.03	13.62
11 52 16 26-0040	EA 12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts.....	189.75	13.62
11 52 16 26-0041	EA 18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts.....	194.26	13.62
11 52 16 26-0042	EA 24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts.....	201.03	13.62
11 52 16 26-0043	EA 36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts.....	217.77	16.34
11 52 16 26-0044	EA 48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts.....	229.06	16.34
11 52 16 26-0045	EA 60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts.....	253.89	16.34
11 52 16 26-0046	EA 72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts.....	276.46	16.34
11 52 16 26-0047	EA 84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts.....	306.73	19.07
11 52 16 26-0048	EA 96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts.....	329.30	19.07
11 52 16 26-0049	EA 108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts.....	359.58	21.78
11 52 16 26-0050	EA 120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts.....	375.38	21.78
11 52 33	<b>Interactive Displays <small>(11 52)</small></b>		
11 52 33 00-0001	Television Monitors And Panels <small>(11 52 33)</small>		
	Note: Excludes wall or ceiling mounts See CSI section 11 52 33 00-0019 for television mounting.		
11 52 33 00-0002	EA 27" HD Television, LCD, 1080 DPI, 60 Hertz.....	642.41	15.87
11 52 33 00-0003	EA 32" HD Television, LCD, 720 DPI, 60 Hertz.....	704.95	17.85
11 52 33 00-0004	EA 32" HD Television, LCD, 1080 DPI, 120 Hertz.....	958.68	19.84
11 52 33 00-0005	EA 32" HD Television, LED, 1920x1080 With WI-FI.....	967.56	19.84
	Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0006	EA 40" HD Television, LED, 1920x1080 With WI-FI.....	1,095.89	21.81
	Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0007	EA 46" HD Television, LED, 1920x1080 With WI-FI.....	1,287.43	23.80
	Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0008	EA 50" HD Television, LED, 1920x1080 With WI-FI.....	1,605.33	25.79
	Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0009	EA 55" HD Television, LED, 1920x1080 With WI-FI.....	1,921.24	25.79
	Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0010	EA 60" HD Television, LED, 1920x1080 With WI-FI.....	2,239.13	27.77
	Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0011	EA 65" HD Television, LED, 1920x1080 With WI-FI.....	2,714.99	29.76
	Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		



<b>Equipment</b>	<b>11</b>
<b>Educational and Scientific Equipment</b>	<b>11 50</b>
<b>Audio-Visual Equipment</b>	<b>11 52</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0012 EA 75" HD Television, LED, 1920x1080 With WI-FI.....	4,296.52	31.74
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0013 EA 46" 3D Television, LED, 1080 DPI, 240 Hertz .....	1,975.00	23.80
11 52 33 00-0014 EA 55" 3D Television, LED, 1080 DPI, 240 Hertz .....	2,757.47	25.79
11 52 33 00-0015 EA 60" 3D Television, LED, 1080 DPI, 240 Hertz .....	3,735.06	27.77
11 52 33 00-0016 EA 65" 3D Television, LED, 1080 DPI, 240 Hertz .....	3,932.17	29.76
11 52 33 00-0017 EA 75" 3D Television, LED, 1080 DPI, 240 Hertz .....	5,883.39	29.76
11 52 33 00-0018 EA 86" Interactive LED Panel (SMARTBOARD SPNL-7086).....	17,952.14	31.74
<b>11 52 33 00-0019 Flat Panel Display Mounting <sup>(11 52 33)</sup></b>		
Note: Includes anchors, bolts and hardware. Excludes blocking in walls or ceiling.		
11 52 33 00-0020 EA Swivel Wall Mounts For 10" To 30" Flat Panel Displays .....	375.79	104.51
Note: 2.6" To 16.6" swing arm extension, 12 degrees tilt		
11 52 33 00-0021 EA Premium Swivel Wall Mounts For 23" To 37" Flat Panel Displays.....	590.66	130.63
Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt		
11 52 33 00-0022 EA Swivel Wall Mounts For 32" To 60" Flat Panel Displays .....	605.31	156.76
Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt		
11 52 33 00-0023 EA Swivel Wall Mounts For 32" To 60" Flat Panel Displays With Extra Wide 24" Back Plate .....	647.09	156.76
Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt		
11 52 33 00-0024 EA Swivel Wall Mounts For 32" To 50" Flat Panel Displays .....	647.09	156.76
Note: 4.5" To 26.2" swing arm extension, 15 degrees tilt		
11 52 33 00-0025 EA Full Motion Wall Mounts For 13" To 26" Flat Panel Displays.....	354.94	104.51
Note: 8" Extension		
11 52 33 00-0026 EA Full Motion Wall Mounts For 26" To 40" Flat Panel Displays.....	490.59	130.63
Note: 9.7" Extension		
11 52 33 00-0027 EA Full Motion Wall Mounts For 32" To 56" Flat Panel Displays.....	855.58	156.76
Note: 10.2" Extension		
11 52 33 00-0028 EA Full Motion Wall Mounts For 42" To 84" Flat Panel Displays.....	1,235.45	182.90
Note: 20" Extension		
11 52 33 00-0029 EA Low Profile Tilting Wall Mounts For 26" To 40" Flat Panel Displays .....	448.89	130.63
11 52 33 00-0030 EA Low Profile Tilting Wall Mounts For 32" To 70" Flat Panel Displays .....	532.29	130.63
11 52 33 00-0031 EA Low Profile Tilting Wall Mounts For 75" Flat Panel Displays.....	625.70	156.76
11 52 33 00-0032 EA Low Profile Wall Mounts For 26" To 40" Flat Panel Displays.....	365.49	130.63
11 52 33 00-0033 EA Low Profile Wall Mounts For 40" To 70" Flat Panel Displays.....	428.04	130.63
11 52 33 00-0034 EA Low Profile Wall Mounts For 75" Flat Panel Displays .....	508.63	156.76
11 52 33 00-0035 EA Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 50" Flat Panel Displays, 39" To 63" Extension From Ceiling .....	613.05	209.02
Note: 360 degree rotation, 15 degree tilt.		
11 52 33 00-0036 EA Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 70" Flat Panel Displays, 18" To 31" Extension From Ceiling .....	730.13	209.02
Note: 360 degree rotation, 15 degree tilt.		
For 28" To 41" Extension Pole, Add	40.79	
For 38" To 51" Extension Pole, Add	51.94	
For 48" To 61" Extension Pole, Add	59.37	
11 52 33 00-0037 EA VMP Full Motion (Rotates And Tilts) Ceiling Mounts For 37" To 80" Flat Panel Displays, 15" To 37" Extension From Ceiling.....	771.01	209.02
Note: 360 degree rotation, 15 degree tilt.		
<b>11 52 33 00-0038 Audio/Video Components <sup>(11 52 33)</sup></b>		
11 52 33 00-0039 EA MLC 104 IP Plus MLC - MediaLink™ Controller with IP Link® Ethernet Control, White (Extron Electronics #60-818-03).....	1,474.83	78.38
11 52 33 00-0040 EA MLC 226 IP Enhanced MLC - MediaLink™ Controller with IP Link® Ethernet Control, Black (Extron Electronics #60-600-02) .....	2,006.90	78.38
11 52 33 00-0041 EA MPA 152 MPA 152 - Stereo Power Amplifier (Extron Electronics #60-844-01).....	451.30	26.13
11 52 33 00-0042 EA MPA 401-70 Volt, 70 Volt Mono Power Amplifier - 40 Watt (Extron Electronics #60-845-01).....	523.85	26.13
11 52 33 00-0043 EA MLS 406 Six Input MLS - MediaLink™ Switcher with Variable Preamp Audio Output Variable Preamp Audio Output (Extron Electronics #60-560-01) .....	2,131.71	104.51
11 52 33 00-0044 EA MLS 406MA Six Input MLS - MediaLink™ Switcher with Mono Audio Amplifier Mono Audio Amplifier (Extron Electronics #60-560-02) .....	2,373.56	104.51
11 52 33 00-0045 EA MLS 406SA Six Input MLS - MediaLink™ Switcher with Stereo Audio Amplifier Stereo Audio Amplifier (Extron Electronics #60-560-03) .....	2,373.56	104.51
11 52 33 00-0046 EA Wall Plate VGA 3.5 RJ-45 Passthru (Liberty Cable #PC-G1600-E-P-C) .....	149.14	13.07
11 52 33 00-0047 EA DVD/VCR Combo (Toshiba #SD V296).....	152.22	
11 52 33 00-0048 EA DVD/VCR Combo (Toshiba #SD V392).....	154.31	
11 52 33 00-0049 EA DVD/VCR Combo (Toshiba #DVR620).....	283.57	
11 52 33 00-0050 EA DVD/VCR Combo (Toshiba #DVR670) .....	389.90	
<b>11 52 33 00-0051 Audio/Video Cabling <sup>(11 52 33)</sup></b>		
11 52 33 00-0052 EA HDMI M-M Pro/3 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-03).....	38.89	
11 52 33 00-0053 EA HDMI M-M Pro/6 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-06).....	57.03	
11 52 33 00-0054 EA HDMI M-M Pro/12 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-12).....	85.28	
11 52 33 00-0055 EA HDMI M-M Pro/25 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-25).....	177.54	
11 52 33 00-0056 EA HDMI M-M Pro/35 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-35).....	250.09	
11 52 33 00-0057 EA HDMI M-M Pro/50 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-50).....	343.40	
11 52 33 00-0058 EA HDMI M-M Pro/75 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-75).....	470.38	
11 52 33 00-0059 EA HDMI M-M Pro/100 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-100).....	579.21	
11 52 33 00-0060 EA HDMI M-M Pro/125 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-125).....	690.65	
11 52 33 00-0061 EA HDMI M-M Pro/150 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-150).....	763.20	
11 52 33 00-0062 EA HDMI M-M Pro/175 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-175).....	910.93	
11 52 33 00-0063 EA HDMI M-M Pro/200 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-200).....	1,094.93	

**11 Equipment****11 50 Educational and Scientific Equipment****11 52 Audio-Visual Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

11 52 33 00-0064	EA	DVI-D/3 Single Link Male to Male Cables (Extron Electronics #26-649-03).....	38.89	
11 52 33 00-0065	EA	DVI-D/6 Single Link Male to Male Cables (Extron Electronics #26-649-06).....	57.03	
11 52 33 00-0066	EA	DVI-D/12 Single Link Male to Male Cables (Extron Electronics #26-649-12).....	85.28	
11 52 33 00-0067	EA	DVI-D/25 Single Link Male to Male Cables (Extron Electronics #26-649-25).....	177.54	
11 52 33 00-0068	EA	DVI-D/35 Single Link Male to Male Cables (Extron Electronics #26-649-35).....	250.09	
11 52 33 00-0069	EA	DVI-D/50 Single Link Male to Male Cables (Extron Electronics #26-649-50).....	343.39	
11 52 33 00-0070	EA	DVI-D/75 Single Link Male to Male Cables (Extron Electronics #26-649-75).....	470.37	
11 52 33 00-0071	EA	DVI-D/100 Single Link Male to Male Cables (Extron Electronics #26-649-100).....	579.20	
11 52 33 00-0072	EA	DVI-D/125 Single Link Male to Male Cables (Extron Electronics #26-649-125).....	690.65	
11 52 33 00-0073	EA	DVI-D/150 Single Link Male to Male Cables (Extron Electronics #26-649-150).....	763.20	
11 52 33 00-0074	EA	DVI-D/175 Single Link Male to Male Cables (Extron Electronics #26-649-175).....	910.93	
11 52 33 00-0075	EA	DVI-D/200 Single Link Male to Male Cables (Extron Electronics #26-649-200).....	1,094.93	
11 52 33 00-0076	EA	AV RCA/6 RCA Male to Male Composite Video and Stereo Audio Cables 6' (Extron Electronics #26-643-06).....	17.12	
11 52 33 00-0077	EA	AV RCA/20 RCA Male to Male Composite Video and Stereo Audio Cables 20' (Extron Electronics #26-643-20).....	26.99	
11 52 33 00-0078	EA	VGA M-M MD/3 Male to Male VGA Molded Connector Cables 3' (Extron Electronics #26-238-14).....	20.75	
11 52 33 00-0079	EA	VGA M-M MD/6 Male to Male VGA Molded Connector Cables 6' (Extron Electronics #26-238-01).....	22.56	
11 52 33 00-0080	EA	VGA M-M MD/10 Male to Male VGA Molded Connector Cables 10' (Extron Electronics #26-238-07).....	30.87	
11 52 33 00-0081	EA	VGA M-M MD/15 Male to Male VGA Molded Connector Cables 15' (Extron Electronics #26-238-02).....	36.31	
11 52 33 00-0082	EA	VGA M-M MD/25 Male to Male VGA Molded Connector Cables 25' (Extron Electronics #26-238-03).....	57.82	
11 52 33 00-0083	EA	VGA M-M MD/35 Male to Male VGA Molded Connector Cables 35' (Extron Electronics #26-238-17).....	81.40	
11 52 33 00-0084	EA	VGA M-M MD/50 Male to Male VGA Molded Connector Cables 50' (Extron Electronics #26-238-18).....	107.60	
11 52 33 00-0085	EA	VGA M-M MD/75 Male to Male VGA Molded Connector Cables 75' (Extron Electronics #26-238-19).....	143.88	
11 52 33 00-0086	EA	VGA M-M MD/100 Male to Male VGA Molded Connector Cables 100' (Extron Electronics #26-238-20).....	180.16	
11 52 33 00-0087	EA	VGA M-M BK/3 Male to Male VGA Backshell Connector Cables 3' (Extron Electronics #26-238-24).....	29.82	
11 52 33 00-0088	EA	VGA M-M BK/6 Male to Male VGA Backshell Connector Cables 6' (Extron Electronics #26-238-25).....	31.63	
11 52 33 00-0089	EA	VGA M-M BK/10 Male to Male VGA Backshell Connector Cables 10' (Extron Electronics #26-238-26).....	39.94	
11 52 33 00-0090	EA	VGA M-M BK/15 Male to Male VGA Backshell Connector Cables 15' (Extron Electronics #26-238-27).....	49.01	
11 52 33 00-0091	EA	VGA M-M BK/25 Male to Male VGA Backshell Connector Cables 25' (Extron Electronics #26-238-28).....	68.71	
11 52 33 00-0092	EA	VGA M-M BK/35 Male to Male VGA Backshell Connector Cables 35' (Extron Electronics #26-238-16).....	92.29	
11 52 33 00-0093	EA	VGA M-M BK/50 Male to Male VGA Backshell Connector Cables 50' (Extron Electronics #26-238-04).....	125.74	
11 52 33 00-0094	EA	VGA M-M BK/75 Male to Male VGA Backshell Connector Cables 75' (Extron Electronics #26-238-05).....	162.02	
11 52 33 00-0095	EA	VGA M-M BK/100 Male to Male VGA Backshell Connector Cables 100' (Extron Electronics #26-238-06).....	207.36	
11 52 33 00-0096	EA	A Mini/2 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-01).....	6.24	
11 52 33 00-0097	EA	A Mini/9 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-03).....	8.05	
11 52 33 00-0098	EA	A Mini/12 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-06).....	9.87	
11 52 33 00-0099	EA	A Mini/25 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-07).....	13.49	

**11 53 Laboratory Equipment** (11 50)**11 53 13 Laboratory Fume Hoods** (11 53)**11 53 13 11 General Laboratory Fume Hoods** (11 53 13)**11 53 13 11-0001 Fume Hoods (Kewaunee Scientific)** (11 53 13 11)**11 53 13 11-0002 General Purpose Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H05)** (11 53 13 11-0001)

11 53 13 11-0003	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5448-00).....	9,190.50	
Note: Includes material and installation				
11 53 13 11-0004	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5448-00).....	9,771.91	
Note: Includes material and installation				
11 53 13 11-0005	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5448-00).....	12,539.89	
Note: Includes material and installation				
11 53 13 11-0006	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5448-00).....	8,665.07	
Note: Includes material and installation				
11 53 13 11-0007	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5460-00).....	9,927.19	
Note: Includes material and installation				
11 53 13 11-0008	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5460-00).....	10,508.59	
Note: Includes material and installation				
11 53 13 11-0009	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5460-00).....	13,298.24	
Note: Includes material and installation				
11 53 13 11-0010	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5460-00).....	9,228.42	
Note: Includes material and installation				
11 53 13 11-0011	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5472-00).....	9,564.26	
Note: Includes material and installation				
11 53 13 11-0012	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5472-00).....	11,283.19	
Note: Includes material and installation				
11 53 13 11-0013	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5472-00).....	13,948.26	
Note: Includes material and installation				
11 53 13 11-0014	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5472-00).....	10,118.58	
Note: Includes material and installation				



<b>Equipment</b>	<b>11</b>
<b>Educational and Scientific Equipment</b>	<b>11 50</b>
<b>Laboratory Equipment</b>	<b>11 53</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0015 EA 8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5496-00) ..... Note: Includes material and installation	13,025.60	
11 53 13 11-0016 EA 8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5496-00) ..... Note: Includes material and installation	15,320.52	
11 53 13 11-0017 EA 8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5496-00) ..... Note: Includes material and installation	18,027.11	
11 53 13 11-0018 EA 8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5496-00) ..... Note: Includes material and installation	12,007.24	
11 53 13 11-0019 EA 4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5448B00) ..... Note: Includes material and installation	9,333.15	
11 53 13 11-0020 EA 4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5448B00) ..... Note: Includes material and installation	9,916.36	
11 53 13 11-0021 EA 4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5448B00) ..... Note: Includes material and installation	12,687.95	
11 53 13 11-0022 EA 4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5448B00) ..... Note: Includes material and installation	8,814.94	
11 53 13 11-0023 EA 5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5460B00) ..... Note: Includes material and installation	10,091.50	
11 53 13 11-0024 EA 5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5460B00) ..... Note: Includes material and installation	10,676.51	
11 53 13 11-0025 EA 5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5460B00) ..... Note: Includes material and installation	13,458.94	
11 53 13 11-0026 EA 5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5460B00) ..... Note: Includes material and installation	9,390.93	
11 53 13 11-0027 EA 6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5472B00) ..... Note: Includes material and installation	10,876.93	
11 53 13 11-0028 EA 6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5472B00) ..... Note: Includes material and installation	11,454.73	
11 53 13 11-0029 EA 6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5472B00) ..... Note: Includes material and installation	14,119.79	
11 53 13 11-0030 EA 6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5472B00) ..... Note: Includes material and installation	10,295.53	
11 53 13 11-0031 EA 8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5496B00) ..... Note: Includes material and installation	13,216.99	
11 53 13 11-0032 EA 8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5496B00) ..... Note: Includes material and installation	15,497.46	
11 53 13 11-0033 EA 8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5496B00) ..... Note: Includes material and installation	18,220.31	
11 53 13 11-0034 EA 8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5496B00) ..... Note: Includes material and installation	12,198.63	
<b>11 53 13 11-0035 Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash (Kewaunee Scientific H07) <small>(11 53 13 11-0001)</small></b>		
11 53 13 11-0036 EA 4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5448B00) ..... Note: Includes material and installation	10,544.70	
11 53 13 11-0037 EA 4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5448B00) ..... Note: Includes material and installation	11,124.30	
11 53 13 11-0038 EA 4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5448B00) ..... Note: Includes material and installation	13,897.70	
11 53 13 11-0039 EA 4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5448B00) ..... Note: Includes material and installation	10,022.89	
11 53 13 11-0040 EA 5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5460B00) ..... Note: Includes material and installation	11,572.09	
11 53 13 11-0041 EA 5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5460B00) ..... Note: Includes material and installation	12,157.10	
11 53 13 11-0042 EA 5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5460B00) ..... Note: Includes material and installation	14,944.95	

**11 Equipment****11 50 Educational and Scientific Equipment****11 53 Laboratory Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0043 EA 5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5460B00).....	10,876.93	
Note: Includes material and installation		
11 53 13 11-0044 EA 6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5472B00) .....	12,444.20	
Note: Includes material and installation		
11 53 13 11-0045 EA 6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5472B00) .....	13,025.60	
Note: Includes material and installation		
11 53 13 11-0046 EA 6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5472B00) .....	15,690.66	
Note: Includes material and installation		
11 53 13 11-0047 EA 6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5472B00).....	11,860.99	
Note: Includes material and installation		
11 53 13 11-0048 EA 8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5496B00) .....	15,255.51	
Note: Includes material and installation		
11 53 13 11-0049 EA 8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5496B00) .....	15,831.50	
Note: Includes material and installation		
11 53 13 11-0050 EA 8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5496B00) .....	20,253.42	
Note: Includes material and installation		
11 53 13 11-0051 EA 8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5496B00).....	14,242.57	
Note: Includes material and installation		
<b>11 53 13 11-0052 ADA Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H08)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0053 EA 4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5448-00).....	9,278.98	
Note: Includes material and installation		
11 53 13 11-0054 EA 4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5448-00).....	9,871.22	
Note: Includes material and installation		
11 53 13 11-0055 EA 4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5448-00) .....	12,442.39	
Note: Includes material and installation		
11 53 13 11-0056 EA 4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5448-00) .....	8,751.74	
Note: Includes material and installation		
11 53 13 11-0057 EA 5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5460-00).....	10,013.86	
Note: Includes material and installation		
11 53 13 11-0058 EA 5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5460-00) .....	10,517.62	
Note: Includes material and installation		
11 53 13 11-0059 EA 5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5460-00) .....	13,281.99	
Note: Includes material and installation		
11 53 13 11-0060 EA 5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5460-00) .....	9,316.90	
Note: Includes material and installation		
11 53 13 11-0061 EA 6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5472-00).....	10,790.27	
Note: Includes material and installation		
11 53 13 11-0062 EA 6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5472-00) .....	11,543.20	
Note: Includes material and installation		
11 53 13 11-0063 EA 6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5472-00) .....	14,618.14	
Note: Includes material and installation		
11 53 13 11-0064 EA 6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5472-00) .....	10,207.06	
Note: Includes material and installation		
11 53 13 11-0065 EA 4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5448B00) .....	9,421.62	
Note: Includes material and installation		
11 53 13 11-0066 EA 4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5448B00).....	10,040.94	
Note: Includes material and installation		
11 53 13 11-0067 EA 4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5448B00).....	12,664.48	
Note: Includes material and installation		
11 53 13 11-0068 EA 4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5448B00) .....	8,901.61	
Note: Includes material and installation		
11 53 13 11-0069 EA 5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5460B00) .....	10,181.78	
Note: Includes material and installation		
11 53 13 11-0070 EA 5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5460B00).....	10,699.99	
Note: Includes material and installation		





<b>Equipment</b>	<b>11</b>	<b>11</b>
<b>Educational and Scientific Equipment</b>	<b>11 50</b>	
<b>Laboratory Equipment</b>	<b>11 53</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0071 EA 5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5460B00)..... Note: Includes material and installation	13,522.14	
11 53 13 11-0072 EA 5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5460B00)..... Note: Includes material and installation	9,475.79	
11 53 13 11-0073 EA 6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5472B00)..... Note: Includes material and installation	10,965.41	
11 53 13 11-0074 EA 6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5472B00)..... Note: Includes material and installation	11,743.62	
11 53 13 11-0075 EA 6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5472B00)..... Note: Includes material and installation	14,879.95	
11 53 13 11-0076 EA 6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5472B00)..... Note: Includes material and installation	10,382.20	
<b>11 53 13 11-0077 ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash (Kewaunee Scientific H09) (11 53 13 11-0001)</b>		
11 53 13 11-0078 EA 4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5448B00)..... Note: Includes material and installation	12,646.42	
11 53 13 11-0079 EA 4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5448B00)..... Note: Includes material and installation	13,749.64	
11 53 13 11-0080 EA 4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5448B00)..... Note: Includes material and installation	17,483.62	
11 53 13 11-0081 EA 4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5448B00)..... Note: Includes material and installation	12,124.60	
11 53 13 11-0082 EA 5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5460B00)..... Note: Includes material and installation	13,672.00	
11 53 13 11-0083 EA 5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5460B00)..... Note: Includes material and installation	14,724.67	
11 53 13 11-0084 EA 5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5460B00)..... Note: Includes material and installation	18,752.96	
11 53 13 11-0085 EA 5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5460B00)..... Note: Includes material and installation	12,975.04	
11 53 13 11-0086 EA 6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5472B00)..... Note: Includes material and installation	14,544.11	
11 53 13 11-0087 EA 6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5472B00)..... Note: Includes material and installation	15,862.20	
11 53 13 11-0088 EA 6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5472B00)..... Note: Includes material and installation	20,233.55	
11 53 13 11-0089 EA 6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5472B00)..... Note: Includes material and installation	13,964.51	
<b>11 53 13 11-0090 Isotope Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H20) (11 53 13 11-0001)</b>		
11 53 13 11-0091 EA 4' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5448-00)..... Note: Includes material and installation	19,070.75	
11 53 13 11-0092 EA 5' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5460-00)..... Note: Includes material and installation	21,167.05	
11 53 13 11-0093 EA 6' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5472-00)..... Note: Includes material and installation	22,331.66	
11 53 13 11-0094 EA 8' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5496-00)..... Note: Includes material and installation	30,196.85	
11 53 13 11-0095 EA 4' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5448B00)..... Note: Includes material and installation	19,231.45	
11 53 13 11-0096 EA 5' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5460B00)..... Note: Includes material and installation	21,327.75	
11 53 13 11-0097 EA 6' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5472B00)..... Note: Includes material and installation	22,503.19	

11	<b>11 Equipment</b>
	<b>11 50 Educational and Scientific Equipment</b>
	<b>11 53 Laboratory Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0098 EA 8' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5496B00).....	30,390.05	
Note: Includes material and installation		
<b>11 53 13 11-0099 Perchloric Acid Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H25)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0100 EA 4' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5448-00).....	25,193.54	
Note: Includes material and installation		
11 53 13 11-0101 EA 5' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5460-00).....	25,280.21	
Note: Includes material and installation		
11 53 13 11-0102 EA 6' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5472-00).....	28,046.38	
Note: Includes material and installation		
<b>11 53 13 11-0103 HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash (Kewaunee Scientific HOPEC)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0104 EA 4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5448B00).....	13,070.74	
Note: Includes material and installation		
11 53 13 11-0105 EA 4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5448B00).....	13,653.95	
Note: Includes material and installation		
11 53 13 11-0106 EA 4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPK5448B00).....	16,423.74	
Note: Includes material and installation		
11 53 13 11-0107 EA 4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5448B00).....	12,545.31	
Note: Includes material and installation		
11 53 13 11-0108 EA 5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5460B00).....	14,247.99	
Note: Includes material and installation		
11 53 13 11-0109 EA 5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5460B00).....	14,831.20	
Note: Includes material and installation		
11 53 13 11-0110 EA 5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPK5460B00).....	17,617.24	
Note: Includes material and installation		
11 53 13 11-0111 EA 5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5460B00).....	13,551.03	
Note: Includes material and installation		
11 53 13 11-0112 EA 6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5472B00).....	15,221.21	
Note: Includes material and installation		
11 53 13 11-0113 EA 6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5472B00).....	15,799.00	
Note: Includes material and installation		
11 53 13 11-0114 EA 6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPK5472B00).....	18,467.68	
Note: Includes material and installation		
11 53 13 11-0115 EA 6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5472B00).....	14,636.19	
Note: Includes material and installation		
11 53 13 11-0116 EA 8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5496B00).....	19,825.49	
Note: Includes material and installation		
11 53 13 11-0117 EA 8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5496B00).....	20,406.89	
Note: Includes material and installation		
11 53 13 11-0118 EA 8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPK5496B00).....	24,825.19	
Note: Includes material and installation		
11 53 13 11-0119 EA 8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5496B00).....	18,808.94	
Note: Includes material and installation		
<b>11 53 13 11-0120 General Purpose Walk-In Fume Hood With Vertical Rising Sash (Kewaunee Scientific H30)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0121 EA 4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9048-00).....	19,202.56	
Note: Includes material and installation		
11 53 13 11-0122 EA 4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9048-00).....	19,776.74	
Note: Includes material and installation		
11 53 13 11-0123 EA 4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9048-00).....	24,606.72	
Note: Includes material and installation		
11 53 13 11-0124 EA 4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9048-00).....	18,039.75	
Note: Includes material and installation		



<b>Equipment</b>	<b>11</b>
<b>Educational and Scientific Equipment</b>	<b>11 50</b>
<b>Laboratory Equipment</b>	<b>11 53</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0125	EA		5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9060-00) ..... Note: Includes material and installation	20,462.86	
11 53 13 11-0126	EA		5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9060-00) ..... Note: Includes material and installation	21,044.27	
11 53 13 11-0127	EA		5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9060-00) ..... Note: Includes material and installation	27,322.34	
11 53 13 11-0128	EA		5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9060-00) ..... Note: Includes material and installation	19,133.94	
11 53 13 11-0129	EA		6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9072-00) ..... Note: Includes material and installation	21,714.15	
11 53 13 11-0130	EA		6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9072-00) ..... Note: Includes material and installation	22,290.13	
11 53 13 11-0131	EA		6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9072-00) ..... Note: Includes material and installation	29,277.80	
11 53 13 11-0132	EA		6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9072-00) ..... Note: Includes material and installation	21,186.91	
11 53 13 11-0133	EA		8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9096-00) ..... Note: Includes material and installation	27,719.57	
11 53 13 11-0134	EA		8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9096-00) ..... Note: Includes material and installation	28,304.59	
11 53 13 11-0135	EA		8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9096-00) ..... Note: Includes material and installation	37,957.32	
11 53 13 11-0136	EA		8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9096-00) ..... Note: Includes material and installation	26,345.51	
11 53 13 11-0137	EA		4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9048B00) ..... Note: Includes material and installation	19,350.62	
11 53 13 11-0138	EA		4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9048B00) ..... Note: Includes material and installation	19,921.18	
11 53 13 11-0139	EA		4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9048B00) ..... Note: Includes material and installation	24,754.78	
11 53 13 11-0140	EA		4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9048B00) ..... Note: Includes material and installation	18,186.00	
11 53 13 11-0141	EA		5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9060B00) ..... Note: Includes material and installation	20,627.17	
11 53 13 11-0142	EA		5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9060B00) ..... Note: Includes material and installation	21,206.77	
11 53 13 11-0143	EA		5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9060B00) ..... Note: Includes material and installation	27,488.45	
11 53 13 11-0144	EA		5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9060B00) ..... Note: Includes material and installation	19,300.06	
11 53 13 11-0145	EA		6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9072B00) ..... Note: Includes material and installation	21,887.48	
11 53 13 11-0146	EA		6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9072B00) ..... Note: Includes material and installation	22,465.28	
11 53 13 11-0147	EA		6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9072B00) ..... Note: Includes material and installation	29,452.95	
11 53 13 11-0148	EA		6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9072B00) ..... Note: Includes material and installation	21,363.86	
11 53 13 11-0149	EA		8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9096B00) ..... Note: Includes material and installation	27,905.55	
11 53 13 11-0150	EA		8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9096B00) ..... Note: Includes material and installation	28,492.37	
11 53 13 11-0151	EA		8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9096B00) ..... Note: Includes material and installation	38,143.30	
11 53 13 11-0152	EA		8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9096B00) ..... Note: Includes material and installation	26,535.10	

11	<b>11 Equipment</b>
	<b>11 50 Educational and Scientific Equipment</b>
	<b>11 53 Laboratory Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 53 13 11-0153 Stand Alone, TruView® Teaching Hoods (Kewaunee Scientific T90)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0154 EA 4' Wide, Stand Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3048-SA).....	15,652.75	
Note: Includes material and installation		
11 53 13 11-0155 EA 5' Wide, Stand Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3060-SA).....	17,842.94	
Note: Includes material and installation		
11 53 13 11-0156 EA 6' Wide, Stand Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3072-SA).....	19,337.98	
Note: Includes material and installation		
11 53 13 11-0157 EA 4' Wide, Stand Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6048-SA) .....	27,627.49	
Note: Includes material and installation		
11 53 13 11-0158 EA 5' Wide, Stand Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6060-SA) .....	31,637.72	
Note: Includes material and installation		
11 53 13 11-0159 EA 6' Wide, Stand Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6072-SA) .....	33,656.38	
Note: Includes material and installation		
<b>11 53 13 11-0160 Options For Fume Hoods (Kewaunee Scientific)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0161 EA Single Point Adjustable Baffles (Kewaunee Scientific Option C) .....	417.09	
Note: Includes material and installation		
11 53 13 11-0162 EA Fire Extinguisher (Kewaunee Scientific Option E).....	1,805.60	
Note: Includes material and installation		
11 53 13 11-0163 EA Stainless Steel Lower Deflector Vane (Kewaunee Scientific Option O).....	299.73	
Note: Includes material and installation		
11 53 13 11-0164 EA 4' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-48B) .....	1,229.61	
Note: Includes material and installation		
11 53 13 11-0165 EA 5' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-60B) .....	1,437.26	
Note: Includes material and installation		
11 53 13 11-0166 EA 6' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-72B) .....	1,657.54	
Note: Includes material and installation		
11 53 13 11-0167 EA 8' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-96B) .....	2,145.05	
Note: Includes material and installation		
11 53 13 11-0168 EA 4' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-48B).....	1,229.61	
Note: Includes material and installation		
11 53 13 11-0169 EA 5' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-60B).....	1,437.26	
Note: Includes material and installation		
11 53 13 11-0170 EA 6' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-72B).....	1,657.54	
Note: Includes material and installation		
11 53 13 11-0171 EA 4' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-48B) .....	1,229.61	
Note: Includes material and installation		
11 53 13 11-0172 EA 5' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-60B) .....	1,437.26	
Note: Includes material and installation		
11 53 13 11-0173 EA 6' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-72B) .....	1,657.54	
Note: Includes material and installation		
11 53 13 11-0174 EA 8' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-96B) .....	2,145.05	
Note: Includes material and installation		
11 53 13 11-0175 EA 4' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-48B) .....	1,283.78	
Note: Includes material and installation		
11 53 13 11-0176 EA 5' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-60B).....	1,500.45	
Note: Includes material and installation		
11 53 13 11-0177 EA 6' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-72B) .....	1,735.18	
Note: Includes material and installation		
11 53 13 11-0178 EA 8' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-96B).....	2,246.17	
Note: Includes material and installation		
11 53 13 11-0179 EA Black Poly Cupsink (Kewaunee Scientific 0491-BP).....	160.70	
Note: Includes material and installation		
11 53 13 11-0180 EA Stainless Steel Cupsink (Kewaunee Scientific 0950-0F) .....	1,511.29	
Note: Includes material and installation		
11 53 13 11-0181 EA Air Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3A-I) .....	575.99	
Note: Includes material and installation		
11 53 13 11-0182 EA Gas Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3G-I).....	575.99	
Note: Includes material and installation		
11 53 13 11-0183 EA Vacuum Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3V-I) .....	575.99	
Note: Includes material and installation		
11 53 13 11-0184 EA Steam Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3S-I) .....	642.79	
Note: Includes material and installation		
11 53 13 11-0185 EA Cold Water Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3W-I) .....	642.79	
Note: Includes material and installation		
11 53 13 11-0186 EA Distilled Water Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3D-I).....	953.36	
Note: Includes material and installation		
11 53 13 11-0187 EA Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 27-3/4" Long Handle (Kewaunee Scientific W-0864-3WV-I) .....	975.02	
Note: Includes material and installation		
11 53 13 11-0188 EA Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 12-1/2" Long Handle (Kewaunee Scientific W-0864-3WVA-I).....	1,000.30	
Note: Includes material and installation		



<b>Equipment</b>	<b>11</b>	
<b>Educational and Scientific Equipment</b>	<b>11 50</b>	<b>11</b>
<b>Laboratory Equipment</b>	<b>11 53</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0189	EA		Hot And Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 27-3/4" Long Handle (Kewaunee Scientific W-0868-3WV-I) ..... Note: Includes material and installation	1,552.82	
11 53 13 11-0190	EA		Hot And Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 12-1/2" Long Handle (Kewaunee Scientific W-0868-3WVA-I) ..... Note: Includes material and installation	1,612.40	
<b>11 53 13 11-0191</b>			<b>Base Cabinets For Fume Hoods (Kewaunee Scientific) <small>(11 53 13 11-0001)</small></b>		
11 53 13 11-0192	EA		24" Long x 35-3/4" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3724-0) ..... Note: Includes material and installation	1,130.31	
11 53 13 11-0193	EA		30" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3730-0) ..... Note: Includes material and installation	1,377.67	
11 53 13 11-0194	EA		36" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3736-0) ..... Note: Includes material and installation	1,449.90	
11 53 13 11-0195	EA		48" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3748-0) ..... Note: Includes material and installation	1,496.84	
11 53 13 11-0196	EA		60" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3760-0) ..... Note: Includes material and installation	1,634.07	
11 53 13 11-0197	EA		24" Long x 35-3/4" High x 22" Deep, Single Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3624-0) ..... Note: Includes material and installation	1,130.31	
11 53 13 11-0198	EA		30" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3630-0) ..... Note: Includes material and installation	1,377.67	
11 53 13 11-0199	EA		36" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3636-0) ..... Note: Includes material and installation	1,460.73	
11 53 13 11-0200	EA		48" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3648-0) ..... Note: Includes material and installation	1,496.84	
11 53 13 11-0201	EA		60" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3660-0) ..... Note: Includes material and installation	1,634.07	
11 53 13 11-0202	EA		15" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3115-0) ..... Note: Includes material and installation	1,137.53	
11 53 13 11-0203	EA		18" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3118-0) ..... Note: Includes material and installation	1,204.34	
11 53 13 11-0204	EA		21" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3121-0) ..... Note: Includes material and installation	1,256.70	
11 53 13 11-0205	EA		24" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3124-0) ..... Note: Includes material and installation	1,272.95	
11 53 13 11-0206	EA		24" Long x 35-3/4" High x 22" Deep, Single Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3724-01) ..... Note: Includes material and installation	2,751.73	
11 53 13 11-0207	EA		30" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3730-01) ..... Note: Includes material and installation	3,636.48	
11 53 13 11-0208	EA		36" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3736-01) ..... Note: Includes material and installation	3,800.79	
11 53 13 11-0209	EA		48" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3748-01) ..... Note: Includes material and installation	4,342.47	
11 53 13 11-0210	EA		24" Long x 35-3/4" High x 22" Deep, Single Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3724-0) ..... Note: Includes material and installation	2,175.75	
11 53 13 11-0211	EA		30" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3730-0) ..... Note: Includes material and installation	2,527.84	
11 53 13 11-0212	EA		36" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3736-0) ..... Note: Includes material and installation	2,571.17	
11 53 13 11-0213	EA		48" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3748-0) ..... Note: Includes material and installation	2,722.84	
11 53 13 11-0214	EA		60" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3760-0) ..... Note: Includes material and installation	2,982.85	
11 53 13 11-0215	EA		24" Long x 35-3/4" High x 22" Deep, Single Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3724-0) ..... Note: Includes material and installation	1,959.08	
11 53 13 11-0216	EA		30" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3730-0) ..... Note: Includes material and installation	2,217.28	

11	<b>11 Equipment</b>
	<b>11 50 Educational and Scientific Equipment</b>
	<b>11 53 Laboratory Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0217 EA 36" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3736-0).....	2,305.75	
Note: Includes material and installation		
11 53 13 11-0218 EA 48" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3748-0).....	2,452.00	
Note: Includes material and installation		
11 53 13 11-0219 EA 60" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3760-0).....	2,641.59	
Note: Includes material and installation		
<b>11 53 13 11-0220 Filters And Housing For Fume Hoods (Kewaunee Scientific) <small>(11 53 13 11-0001)</small></b>		
11 53 13 11-0221 EA Painted CRS Filter Housing (Kewaunee Scientific X-016869) .....	1,783.93	
Note: Includes material and installation		
11 53 13 11-0222 EA Stainless Steel Filter Housing (Kewaunee Scientific X-016868) .....	20,816.76	
Note: Includes material and installation		
11 53 13 11-0223 EA High Efficiency Filter (Kewaunee Scientific 0864-00).....	1,783.93	
Note: Includes material and installation		
11 53 13 11-0224 EA Charcoal Absorber (Kewaunee Scientific 0855-00) .....	20,816.76	
Note: Includes material and installation		
11 53 13 11-0225 EA Prefilter (Kewaunee Scientific 0863-00).....	133.61	
Note: Includes material and installation		
<b>11 53 13 11-0226 Centrifugal Fans For Fume Hoods (Kewaunee Scientific) <small>(11 53 13 11-0001)</small></b>		
11 53 13 11-0227 EA 1/4 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0902-T1).....	4,815.54	
Note: Includes material and installation		
11 53 13 11-0228 EA 1/3 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0903-T1).....	4,949.15	
Note: Includes material and installation		
11 53 13 11-0229 EA 1/2 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0905-T1).....	5,015.96	
Note: Includes material and installation		
11 53 13 11-0230 EA 3/4 HP, Single-Phase, 10" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1008-T1).....	5,545.90	
Note: Includes material and installation		
11 53 13 11-0231 EA 1 HP, Single-Phase, 13" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1310-T1).....	6,075.84	
Note: Includes material and installation		
11 53 13 11-0232 EA 1-1/2 HP, Single-Phase, 14-1/2" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1415-T1) .....	8,712.92	
Note: Includes material and installation		
11 53 13 11-0233 EA 2 HP, Single-Phase, 16-1/8" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1620-T1) .....	11,350.00	
Note: Includes material and installation		
<b>11 53 13 11-0234 Exhaust Stacks And Adapters For Fume Hoods (Kewaunee Scientific) <small>(11 53 13 11-0001)</small></b>		
11 53 13 11-0235 EA 6-9/16" Diameter x 99-1/8" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) .....	801.69	
Note: Includes material and installation		
11 53 13 11-0236 EA 8-1/16" Diameter x 97-7/8" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) .....	879.33	
Note: Includes material and installation		
11 53 13 11-0237 EA 9-11/16" Diameter x 92-1/2" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) .....	895.58	
Note: Includes material and installation		
11 53 13 11-0238 EA 10-13/16" Diameter x 91-1/4" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) .....	985.86	
Note: Includes material and installation		
11 53 13 11-0239 EA 11-11/16" Diameter x 90-3/4" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) .....	1,085.24	
Note: Includes material and installation		
11 53 13 11-0240 EA 6-9/16" Diameter x 10-13/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-0912-00).....	1,148.36	
Note: Includes material and installation		
11 53 13 11-0241 EA 8-1/16" Diameter x 11-13/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1012-00).....	1,249.48	
Note: Includes material and installation		
11 53 13 11-0242 EA 9-11/16" Diameter x 13-5/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1312-00).....	1,370.45	
Note: Includes material and installation		
11 53 13 11-0243 EA 10-13/16" Diameter x 14-11/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1412-00).....	1,439.06	
Note: Includes material and installation		
11 53 13 11-0244 EA 11-11/16" Diameter x 16-15/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1612-00).....	1,466.15	
Note: Includes material and installation		
11 53 13 11-0245 EA 11-15/16" Diameter x 9-1/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1209-00) .....	890.16	
Note: Includes material and installation		
11 53 13 11-0246 EA 11-15/16" Diameter x 10-1/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1210-00) .....	919.05	
Note: Includes material and installation		
11 53 13 11-0247 EA 11-15/16" Diameter x 13-5/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1213-00) .....	937.11	
Note: Includes material and installation		
11 53 13 11-0248 EA 11-15/16" Diameter x 14-9/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1214-00) .....	975.02	
Note: Includes material and installation		
11 53 13 11-0249 EA 11-15/16" Diameter x 16-3/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1216-00) .....	1,056.28	
Note: Includes material and installation		
<b>11 53 13 11-0250 Biological Fume Hoods And Cabinets <small>(11 53 13 11)</small></b>		
Note: VWR scientific or approved equal. VWR model number listed for reference. Equipment set in place and final connections. Excludes piping, ductwork and electrical rough-ins. Other accepted manufactures: NuAire, Forma and Baker or equal.		
<b>11 53 13 11-0251 Purifier® Logic® Class II, Type A2 Biosafety Cabinets (VWR 9700) <small>(11 53 13 11-0250)</small></b>		
Note: Includes two high efficiency particulate air (HEPA) filters, fluorescent lighting, UV lamp, 8" or 10" sash, LCD information center and service fixtures. Excludes base stand.		
11 53 13 11-0252 EA 3' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700).....	17,020.08	991.04



<b>Equipment</b>	<b>11</b>	
<b>Educational and Scientific Equipment</b>	<b>11 50</b>	<b>11</b>
<b>Laboratory Equipment</b>	<b>11 53</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0253 EA 4' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700).....	18,951.34	991.04
11 53 13 11-0254 EA 5' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700).....	22,476.39	1,123.06
11 53 13 11-0255 EA 6' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700).....	23,753.78	1,123.06
<b>11 53 13 11-0256 Base Stands For Purifier® Logic® Biosafety Cabinets (VWR) (11 53 13 11-0250)</b>		
Note: ADA compliant. Includes epoxy coating.		
11 53 13 11-0257 EA 3' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR).....	1,462.67	145.37
11 53 13 11-0258 EA 4' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR).....	1,604.23	185.02
11 53 13 11-0259 EA 5' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR).....	1,711.53	224.67
11 53 13 11-0260 EA 6' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR).....	1,898.91	264.31
<b>11 53 39 Laboratory Cooling Chillers (11 53)</b>		
<b>11 53 39 00-0001 Recirculating Chiller (11 53 39)</b>		
11 53 39 00-0002 EA Recirculating Chiller With Pump 1 HP, 115 Volt, 60 Hertz (Thermo Scientific NESLAB Thermoflex 1400).....	8,383.41	
11 53 39 00-0003 EA Recirculating Chiller With Pump 2 HP, 115 Volt, 60 Hertz (Thermo Scientific NESLAB Thermoflex 1400).....	9,216.80	
11 53 39 00-0004 EA Recirculating Chiller With Pump 1 HP, 208 Volt, 60 Hertz (Thermo Scientific NESLAB Thermoflex 2500).....	9,901.01	
11 53 39 00-0005 EA Recirculating Chiller With Pump 2 HP, 208 Volt, 60 Hertz (Thermo Scientific NESLAB Thermoflex 2500).....	10,734.40	
<b>11 60 Entertainment and Recreation Equipment (11)</b>		
<b>11 61 Broadcast, Theater, and Stage Equipment (11 60)</b>		
<b>11 61 23 Folding and Portable Stages (11 61)</b>		
<b>11 61 23 00-0001 Roll Out Stage, Steel Frame, Wood Floor (11 61 23)</b>		
11 61 23 00-0002 SF Roll Out Stage, Manual With Steel Frame And Wood Floor.....	99.47	5.55
11 61 23 00-0003 SF Roll Out Stage, Electric With Steel Frame And Wood Floor.....	136.89	6.29
<b>11 61 23 00-0004 Portable Stages, With Steps, Folding Legs, Stock Design (11 61 23)</b>		
Note: A heavy-gauge steel frame supports the solid plywood deck. Supports 200 pounds per square foot and folds to less than two inches high for storage and transport.		
11 61 23 00-0005 SF Portable Stage, 8" High Hardwood Deck With Steps And Folding Legs.....	33.49	1.99
11 61 23 00-0006 SF Portable Stage, 16" High Hardwood Deck With Steps And Folding Legs.....	36.86	2.18
11 61 23 00-0007 SF Portable Stage, 24" High Hardwood Deck With Steps And Folding Legs.....	38.20	2.38
11 61 23 00-0008 SF Portable Stage, 32" High Hardwood Deck With Steps And Folding Legs.....	39.36	2.48
11 61 23 00-0009 SF Portable Stage, 48" High Hardwood Deck With Steps And Folding Legs.....	42.23	2.64
<b>11 61 23 00-0010 Telescoping Platforms, Aluminum (11 61 23)</b>		
11 61 23 00-0011 SF Telescoping Platforms, Aluminum Straight, Minimum.....	81.41	4.76
11 61 23 00-0012 SF Telescoping Platforms, Aluminum Straight.....	94.90	4.76
11 61 23 00-0013 SF Telescoping Platforms, Aluminum Pie Shaped, Minimum.....	96.82	7.93
11 61 23 00-0014 SF Telescoping Platforms, Aluminum Pie Shaped.....	113.68	7.93
<b>11 61 23 00-0015 Band Risers, Steel Frame, Plywood Deck (11 61 23)</b>		
11 61 23 00-0016 SF 8" High Band Risers, Steel Frame Wood Deck.....	47.99	1.99
11 61 23 00-0017 SF 12" High Band Risers, Steel Frame Wood Deck.....	51.35	1.99
11 61 23 00-0018 SF 16" High Band Risers, Steel Frame Wood Deck.....	53.96	1.99
11 61 23 00-0019 SF 24" High Band Risers, Steel Frame Wood Deck.....	57.40	1.99
<b>11 61 23 00-0020 Chairs For Risers, Self Storing (11 61 23)</b>		
11 61 23 00-0021 EA Chairs For Risers, Self Storing.....	121.82	3.97
<b>11 66 Athletic Equipment (11 60)</b>		
<b>11 66 13 Exercise Equipment (11 66)</b>		
<b>11 66 13 00-0001 Fitness Systems (11 66 13)</b>		
<b>11 66 13 00-0002 Components For Physical Fitness Activities (11 66 13 00-0001)</b>		
11 66 13 00-0003 EA Sit And Reach.....	1,326.74	99.70
11 66 13 00-0004 EA Isometric Squat.....	494.69	39.88
11 66 13 00-0005 EA Log Jump.....	3,207.86	159.51
11 66 13 00-0006 EA Step Up.....	723.18	79.76
11 66 13 00-0007 EA Hip Rotation.....	3,520.27	139.58
11 66 13 00-0008 EA Body Curl.....	1,302.52	79.76
11 66 13 00-0009 EA Horizontal Ladder.....	4,256.92	159.51
11 66 13 00-0010 EA Chin Up.....	3,223.52	159.51
11 66 13 00-0011 EA Push Up.....	1,967.96	79.76
11 66 13 00-0012 EA Leg Raise.....	2,752.33	119.64
11 66 13 00-0013 EA Log Hop.....	1,246.25	39.88
11 66 13 00-0014 EA Parallel Bar.....	2,646.64	119.64
11 66 13 00-0015 EA Leg Stretch.....	1,114.62	79.76

11	<b>11 Equipment</b>
	<b>11 60 Entertainment and Recreation Equipment</b>
	<b>11 66 Athletic Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 66 13 00-0016 EA Balance Beam.....	1,000.38	59.81
11 66 13 00-0017 EA Log Roll.....	3,158.68	99.70
<b>11 66 13 00-0018 Wall Mounted Equipment</b> <small>(11 66 13)</small>		
11 66 13 00-0019 SET Parallel Bars, Wall Mounted.....	4,331.27	573.05
11 66 13 00-0020 EA Exercise Ladder, Wall Mounted.....	3,209.07	11.94
11 66 13 00-0021 EA 3'-6" Wide Chin Up Bar, Wall Mounted.....	355.27	23.88
11 66 13 00-0022 EA 10" Wide Chin Up Bar, Wall Mounted.....	706.51	35.81
<b>11 66 23 Gymnasium Equipment</b> <small>(11 66)</small>		
<b>11 66 23 13 Basketball Equipment</b> <small>(11 66 23)</small>		
<b>11 66 23 13-0001 Basketball Equipment</b> <small>(11 66 23 13)</small>		
11 66 23 13-0002 EA 4' To 6' Extension, Wall Mounted, Stationary Basketball Backstop System With 54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 312F46).....	3,600.13	859.56
<i>Note: Includes rim and net.</i>		
<i>For Glass Backstop, Add</i>		
	500.00	
<i>For Fiberglass Backstop, Add</i>		
	200.00	
11 66 23 13-0003 EA 6' Ceiling Mounted Basketball Backstop Wood, Fixed Type, With Support Structure.....	6,603.08	859.56
<i>Note: Includes rim and net.</i>		
<i>For Glass Backstop, Add</i>		
	500.00	
<i>For Fiberglass Backstop, Add</i>		
	200.00	
11 66 23 13-0004 EA Ceiling Mounted Basketball Backstop Wood, Swing-up Type (Either Forward Or Backward), With Support Structure.....	8,064.75	1,146.08
<i>Note: Includes rim and net.</i>		
<i>For Glass Backstop, Add</i>		
	500.00	
<i>For Electrically Operated, Add</i>		
	2,182.61	
<i>For Fiberglass Backstop, Add</i>		
	200.00	
11 66 23 13-0005 EA 72" x 42" x 1/2", Center-Strut® Rectangular Glass Backboard (Porter Athletic 00208-00).....	1,612.10	238.76
<i>Note: For indoor use. Includes fully tempered glass.</i>		
11 66 23 13-0006 EA 48" Recreational Backboard Pad (Porter Athletic 00324-648).....	224.85	23.88
11 66 23 13-0007 EA 54" Recreational Backboard Pad (Porter Athletic 00324-654).....	250.90	28.65
11 66 23 13-0008 EA 72" Recreational Backboard Pad (Porter Athletic 00324-672).....	272.55	33.43
11 66 23 13-0009 EA Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120).....	31.26	9.55
<b>11 66 23 23 Volleyball Equipment</b> <small>(11 66 23)</small>		
11 66 23 23-0001 EA Economy End Upright Padding, Each, Wrap Around Pads Only.....	789.12	59.85
<i>Note: Porter Athletic model # 717-003.</i>		
11 66 23 23-0002 EA Net Tension Cover Pads, 1 Pair.....	177.55	13.47
<i>Note: Porter Athletic model # 00816-003.</i>		
11 66 23 23-0003 EA 32' L x 39" H Power Volleyball Net.....	581.97	44.15
<i>Note: Porter Athletic model # 02255-000.</i>		
11 66 23 23-0004 EA White Polyester Reinforced Boundary Markers, One Pair.....	102.84	4.30
<i>Note: Porter Athletic model # 02297-000.</i>		
11 66 23 23-0005 EA Power-Line Net Antenna, One Pair.....	355.43	9.08
<i>Note: Porter Athletic model # 02296-100.</i>		
11 66 23 23-0006 EA 32' x 39" Power-Line Competition Volleyball Net.....	658.84	42.98
<i>Note: Porter Athletic model # 02295-640.</i>		
11 66 23 23-0007 EA Competition Center Standard Padding, Standard Red.....	648.28	19.10
<i>Note: Porter Athletic model # 00839-103.</i>		
<i>For Colors Other Than Standard Red, Add</i>		
	22.00	
<i>Note: Includes sky blue, royal blue, white, orange, yellow, beige, gray, maroon, purple, black, navy, kelly green, dark green.</i>		
11 66 23 23-0008 EA Judge's Stand, Attaches To Standard.....	1,300.79	47.75
<i>Note: Porter Athletic model # 00889-100.</i>		
11 66 23 23-0009 EA Judge's Stand Padding.....	925.67	23.88
<i>Note: Porter Athletic model # 00993-103.</i>		
<i>For Colors Other Than Standard Red, Add</i>		
	30.00	
<i>Note: Includes sky blue, royal blue, white, orange, yellow, beige, gray, maroon, purple, black, navy, kelly green, dark green.</i>		
11 66 23 23-0010 EA Power-Line Aluminum Uprights, One Pair.....	3,765.91	47.75
<i>Note: Porter Athletic model # 01991-000.</i>		
11 66 23 23-0011 EA 2-3/8" Round Ground/Floor Sleeve.....	216.92	4.30
<i>Note: Porter Athletic model # 00402-000.</i>		
11 66 23 23-0012 EA 3-1/2" Round Ground/Floor Sleeve.....	251.64	4.30
<i>Note: Porter Athletic model # 00403-000.</i>		
11 66 23 23-0013 EA 4" Round Ground/Floor Sleeve.....	271.48	4.30
<i>Note: Porter Athletic model # 00404-000.</i>		
<b>11 66 23 53 Wall Padding</b> <small>(11 66 23)</small>		
<b>11 66 23 53-0001 Gymnasium Wall Padding</b> <small>(11 66 23 53)</small>		
<i>Note: Includes wall padding, 7/16" thick oriented strand board backing with or without nailing strip, vinyl cover and mounting screws. Excludes removable wall attachment fittings. See CSI section 11 66 23 53-0008 for wall attachment fittings.</i>		
11 66 23 53-0002 SF 2" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe).....	15.33	1.80
<i>Note: Includes cutting and re-upholstering wall pads to accommodate existing, e.g., lights, outlets, switches, grilles, fire alarm, etc.</i>		
<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>		
	5.41	





<b>Equipment</b>	<b>11</b>	
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>	<b>11</b>
<b>Athletic Equipment</b>	<b>11 66</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 66 23 53-0003	SF		3" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe).....20.61 Note: Includes cutting and re-upholstering wall pads to accommodate existing, e.g., lights, outlets, switches, grilles, fire alarm, etc.		1.98
			<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	5.41	
11 66 23 53-0004	SF		2" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe).....23.93 <i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	5.41	1.80
11 66 23 53-0005	SF		3" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe).....37.55 <i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	5.41	1.98
11 66 23 53-0006	SF		2" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe) .....30.62 <i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	5.41	1.80
11 66 23 53-0007	SF		3" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe) .....45.55 <i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	5.41	1.98
<b>11 66 23 53-0008</b>			<b>Gymnasium Wall Padding Accessories</b> <small>(11 66 23 53)</small>		
11 66 23 53-0009	LF		"Z" Wall/Panel Attachment Clips For Wall Pads .....9.31 Note: Extruded aluminum. Typically requires two clips mounted to wall and two clips mounted to panel for a 6' high wall pad.		2.62
11 66 23 53-0010	LF		Molding Channel Wall Attachment For Wall Pads .....14.37 Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Can be used with "Z" clip to secure top of pad.		2.62
11 66 23 53-0011	LF		Floor Molding Channel Wall Attachment For Wall Pads .....15.01 Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Provides contoured molding strip from panel to the floor.		2.62
11 66 23 53-0012	EA		Single Or Double Gang Molded Inserts For Electrical Outlets For Wall Pads.....49.60		
<b>11 66 43</b>			<b>Interior Scoreboards</b> <small>(11 66)</small>		
<b>11 66 43 00-0001</b>			<b>Scoreboards And Shot Clocks</b> <small>(11 66 43)</small>		
11 66 43 00-0002	EA		8' x 3' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2700).....4,951.71 Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls. <i>For Scoreboard Only, No Controls, Deduct</i>	-321.00	313.53
			<i>For Control Carrying Case, Add</i>	59.00	
			<i>For Wireless Controls, Add</i>	854.61	
11 66 43 00-0003	EA		8' x 6' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2750).....7,223.02 Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls. <i>For Scoreboard Only, No Controls, Deduct</i>	-321.00	522.55
			<i>For Control Carrying Case, Add</i>	59.00	
			<i>For Wireless Controls, Add</i>	854.61	
11 66 43 00-0004	EA		12' x 8' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2760).....11,344.33 Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls. <i>For Scoreboard Only, No Controls, Deduct</i>	-321.00	627.06
			<i>For Control Carrying Case, Add</i>	59.00	
			<i>For Wireless Controls, Add</i>	854.61	
11 66 43 00-0005	EA		9' Long x 5' High x 4" Deep Indoor Multi-Sport Scoreboard (Fair-Play BB-1620-4) .....8,521.66		522.55
11 66 43 00-0006	EA		1.66' Long x 1.41' High x 6.5" Deep Shot Clock Set (Fair-Play ST-1410-4).....3,545.49 Note: Set includes two shot clocks.		209.02
<b>11 66 53</b>			<b>Gymnasium Dividers</b> <small>(11 66)</small>		
<b>11 66 53 11</b>			<b>Gymnasium Dividers</b> <small>(11 66 53)</small>		
<b>11 66 53 11-0001</b>			<b>Gymnasium Dividers</b> <small>(11 66 53 11)</small>		
11 66 53 11-0002	SF		Gym Divider, Manual Mesh Top And Vinyl Bottom.....7.43		1.09
11 66 53 11-0003	SF		Gym Divider, Electric Roll Up Mesh Top And Vinyl Bottom .....13.16		1.09
<b>11 68</b>			<b>Play Field Equipment and Structures</b> <small>(11 68)</small>		
<b>11 68 13</b>			<b>Playground Equipment</b> <small>(11 68)</small>		
			See CSI section 32 31 13 13-0001 for augering holes and fill for posts.		
<b>11 68 13 00-0001</b>			<b>Standalone Playground Equipment</b> <small>(11 68 13)</small>		
<b>11 68 13 00-0002</b>			<b>Ground Socket For Movable Posts</b> <small>(11 68 13 00-0001)</small>		
11 68 13 00-0003	PR		Ground Socket For 2-3/8" Post For Playground Equipment .....260.71		53.85
11 68 13 00-0004	PR		Ground Socket For 3-1/2" Post For Playground Equipment .....404.50		53.85
<b>11 68 13 00-0005</b>			<b>See-Saws</b> <small>(11 68 13 00-0001)</small>		
<b>11 68 13 00-0006</b>			<b>Steel See-Saw</b> <small>(11 68 13 00-0005)</small>		
11 68 13 00-0007	EA		2 Unit Steel See-Saw.....2,214.27		331.41
11 68 13 00-0008	EA		4 Unit Steel See-Saw.....3,607.75		391.63
11 68 13 00-0009	EA		6 Unit Steel See-Saw.....5,011.74		478.67
<b>11 68 13 00-0010</b>			<b>14' Long Laminated Beam</b> <small>(11 68 13 00-0005)</small>		
11 68 13 00-0011	EA		Beam Is Supported By Two 12 In x 12 In Stepping Column Posts .....2,375.20		293.03
11 68 13 00-0012	EA		Beam Is Supported By Two 8 In x 8 In Posts.....1,639.85		261.04

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0013			<b>Slides</b> <small>(11 68 13 00-0001)</small>		
	EA		8' Long x 4' High Slide With Stainless Steel Bed .....	2,690.26	378.95
	EA		12' Long x 6' High Slide With Stainless Steel Bed .....	3,764.94	538.51
	EA		16' Long x 8' High Slide With Stainless Steel Bed .....	4,169.47	598.34
	EA		20' Long x 10' High Slide With Stainless Steel Bed .....	5,251.17	662.80
	EA		6' High, 360 Degree One Piece Molded Polyethylene Slide .....	14,283.54	1,042.63
	EA		7' High, 360 Degree Slide, Stainless Steel Bed .....	16,621.35	1,075.59
	EA		9' High, 360 Degree Slide, Stainless Steel Bed .....	20,948.85	1,130.47
11 68 13 00-0021			<b>Whirlers</b> <small>(11 68 13 00-0001)</small>		
	EA		8' Diameter Whirler .....	5,985.76	718.02
	EA		10' Diameter Whirler .....	6,947.24	861.62
11 68 13 00-0024			<b>Other Standalone Playground Equipment</b> <small>(11 68 13 00-0001)</small>		
11 68 13 00-0025			<b>Miscellaneous Standalone Playground Equipment</b> <small>(11 68 13 00-0024)</small>		
	EA		Horizontal Ladder.....	1,917.15	191.82
	EA		Tether Ball Post .....	324.16	37.50
	PR		10'-6" Long Multiple Purpose Post.....	493.48	66.30
	EA		3-Person Fiberglass Golf Tee Shelter Turntable.....	8,006.17	187.32
	EA		Horizontal Turning Bars, 1 Bar.....	608.07	100.09
	EA		Horizontal Turning Bars, 2 Bars.....	823.80	119.64
	EA		Horizontal Turning Bars, 3 Bars.....	1,110.96	159.51
	EA		Horizontal Turning Bars, 5 Bars.....	1,626.55	219.34
	EA		Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole.....	1,723.32	91.32
	EA		Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole.....	1,897.63	98.58
	EA		Coil Spring With Single Riding Aluminum Saddle Devices .....	1,855.45	105.68
	EA		"C" Spring With Single Riding Aluminum Saddle Devices .....	1,400.42	90.92
	EA		Rubber Spring With Single Riding Aluminum Saddle Devices.....	1,727.78	119.08
	EA		Coil Spring Assembly Only .....	469.69	43.79
	EA		"C" Spring Assembly Only.....	312.08	29.19
	EA		Rubber Spring Assembly Only .....	223.39	56.94
	EA		Footbuck Assembly Only .....	81.10	7.65
	EA		Two Seat, Two Spring Action Cars (4'-8" x 2'-8").....	2,110.53	109.51
11 68 13 00-0044			<b>Freestanding Panels</b> <small>(11 68 13 00-0024)</small>		
			Note: Rotomolded polyethylene.		
	EA		Tic-Tac-Toe Panel .....	898.66	46.89
	EA		24" Bubble Panel .....	1,346.24	70.27
	EA		Fire Engine Panel .....	1,975.64	103.13
	EA		Flat Mirror Panel .....	1,580.52	82.55
	EA		Wavy Mirror Panel .....	2,339.29	122.19
	EA		Paint Time Panel.....	1,517.57	79.28
	EA		Phone Time Panel .....	1,076.99	56.22
	EA		Phone Time With Graphic Panel.....	1,076.99	56.22
	EA		Race Time Panel .....	1,888.22	98.58
	EA		Rescue 911 Panel.....	1,916.41	98.58
	EA		Eastern/Central/Western States Panel .....	1,031.53	53.84
	EA		Career People Panel.....	1,171.39	61.18
	EA		Solar System Panel .....	1,171.39	61.18
	EA		Animals Panel.....	1,171.39	61.18
11 68 13 00-0059			<b>Freestanding Panels Uprights</b> <small>(11 68 13 00-0024)</small>		
	EA		3-1/2" Outside Diameter End Panel Upright.....	278.04	26.32
	EA		3-1/2" Outside Diameter 90 Degree Upright .....	301.22	28.47
	EA		3-1/2" Outside Diameter 180 Degree Upright .....	301.22	28.47
	EA		3-1/2" Outside Diameter "T-Shaped" Upright.....	320.53	30.31
11 68 13 00-0064			<b>Coasters</b> <small>(11 68 13 00-0024)</small>		
	EA		12' Single Metal Coaster With Four Posts.....	6,954.66	319.03
	EA		18' Single Metal Coaster With Four Posts.....	7,774.12	398.79
	EA		12' Double Metal Coaster With Four Posts .....	11,252.30	478.54
	EA		18' Double Metal Coaster With Four Posts .....	12,792.85	598.18
11 68 13 00-0069			<b>Climbers</b> <small>(11 68 13 00-0024)</small>		
	EA		Tower Climber, 3.17" Diameter x 7.25' High.....	1,264.54	213.11
	EA		Arch Climber, 2' x 12' x 4.5' High .....	1,150.86	260.96
	EA		Arch Climber, 2' x 15' x 5.83' High .....	1,251.35	213.11
	EA		Arch Climber, 2' x 17' x 6.58' High .....	1,346.51	260.96
	EA		Rainbow Climber, 2' x 10'-5" x 4' High .....	1,443.63	212.88
	EA		Rainbow Climber, 2' x 10'-5" x 5' High .....	1,619.78	212.95
	EA		Rainbow Climber, 2' x 12'-5" x 6' High .....	1,889.67	212.95
	EA		Rainbow Climber, 2' x 15'-4" x 7' High .....	2,066.11	212.88
	EA		Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section.....	2,493.40	249.24



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0079 EA 12' Long Horizontal Ladder Climber.....	2,031.58	186.12
11 68 13 00-0080 EA 14' Long Horizontal Ladder Climber.....	2,061.27	186.12
11 68 13 00-0081 EA 16' Long Horizontal Ladder Climber.....	2,257.85	186.12
11 68 13 00-0082 EA Bell Climber, 7'-5" High With Double Bars.....	2,118.95	239.28
11 68 13 00-0083 EA 2-Way Climber.....	1,777.13	191.82
11 68 13 00-0084 EA 4-Way Climber.....	2,844.23	191.82
<b>11 68 13 00-0085 Swings</b> <small>(11 68 13 00-0001)</small>		
<b>11 68 13 00-0086 Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail</b> <small>(11 68 13 00-0085)</small>		
<small>Note: Legs, 1-7/8" diameter, traditional.</small>		
11 68 13 00-0087 EA 8' High Top Rail, One Section Two Seats.....	1,661.22	293.03
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	193.69	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	220.91	
11 68 13 00-0088 EA 8' High Top Rail, Two Sections Four Seats.....	2,654.56	419.32
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	310.88	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	359.83	
11 68 13 00-0089 EA 8' High Top Rail, Three Sections, Six Seats.....	3,672.06	617.02
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	429.62	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	495.65	
11 68 13 00-0090 EA 8' High Top Rail, Four Sections, Eight Seats.....	4,604.08	718.02
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	539.60	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	626.17	
11 68 13 00-0091 EA 10' High Top Rail, One Section Two Seats.....	1,774.93	293.03
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	207.91	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	240.81	
11 68 13 00-0092 EA 10' High Top Rail, Two Section Four Seats.....	2,771.39	446.61
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	323.48	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	370.29	
11 68 13 00-0093 EA 10' High Top Rail, Three Sections, Six Seats.....	3,823.20	693.52
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	444.86	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	503.88	
11 68 13 00-0094 EA 10' High Top Rail, Four Sections, Eight Seats.....	5,070.03	837.69
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	591.85	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	677.75	
<b>11 68 13 00-0095 Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail</b> <small>(11 68 13 00-0085)</small>		
<small>Note: Legs, 1-7/8" diameter, traditional.</small>		
11 68 13 00-0096 EA 8' High Top Rail, One Section, Two Seats.....	1,911.19	258.80
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	225.96	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	269.75	
11 68 13 00-0097 EA 8' High Top Rail, Two Sections, Four Seats.....	2,773.97	375.52
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	327.97	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	391.57	
11 68 13 00-0098 EA 8' High Top Rail, Three Sections, Six Seats.....	3,700.66	502.21
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	437.47	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	522.06	
11 68 13 00-0099 EA 8' High Top Rail, Four Sections, Eight Seats.....	4,628.56	598.34
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	548.65	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	660.39	
11 68 13 00-0100 EA 10' High Top Rail, One Section, Two Seats.....	2,155.32	291.67
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	254.83	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	304.27	
11 68 13 00-0101 EA 10' High Top Rail, One Section Three Seats.....	2,252.73	309.31
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	266.86	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	320.56	
11 68 13 00-0102 EA 10' High Top Rail, Two Sections, Four Seats.....	3,008.76	408.31
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	355.68	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	424.45	
11 68 13 00-0103 EA 10' High Top Rail, Two Sections, Six Seats.....	3,626.14	470.70
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	430.84	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	522.45	
11 68 13 00-0104 EA 10' High Top Rail, Three Section, Six Seats.....	4,005.07	543.22
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	473.47	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	565.08	
11 68 13 00-0105 EA 10' High Top Rail, Three Sections, Nine Seats.....	4,999.66	598.58
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	595.04	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	725.33	
11 68 13 00-0106 EA 10' High Top Rail, Four Section, Eight Seats.....	5,075.47	718.02
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	598.52	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	708.66	
11 68 13 00-0107 EA 12' High Top Rail, One Section Three Seats.....	2,357.08	316.80
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	279.54	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	337.02	
11 68 13 00-0108 EA 12' High Top Rail, Two Sections, Six Seats.....	3,835.24	509.71
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	455.12	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	549.76	
11 68 13 00-0109 EA 12' High Top Rail, Three Sections, Nine Seats.....	5,572.90	816.38
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>	656.72	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	775.81	

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0110			<b>Swing Accessories</b> <small>(11 68 13 00-0085)</small>		
11 68 13 00-0111	EA		Enclosed Tot Seat With Chain And Hardware .....	567.94	24.02
11 68 13 00-0112	EA		Bucket Seat With Chain And Hardware .....	472.15	19.97
11 68 13 00-0113	EA		Belt Seat With Chain And Hardware .....	502.94	21.33
11 68 13 00-0114	EA		Seat With Chain And Hardware .....	496.10	21.01
11 68 13 00-0115	EA		Wide Seat With Chain And Hardware .....	523.67	22.20
11 68 13 00-0116	EA		Handi Seat With Chain And Hardware .....	1,563.56	66.20
11 68 13 00-0117	LF		0.4 LB/LF Replacement Chain .....	6.49	0.47
11 68 13 00-0118	LF		1 LB/LF Replacement Chain .....	12.07	0.95
11 68 13 00-0119	EA		Swing Hanger Replacement .....	70.52	5.47
11 68 13 00-0120			<b>Tetherball</b> <small>(11 68 13 00-0001)</small>		
11 68 13 00-0121	EA		Tetherball Standard And Ball .....	526.07	41.62
11 68 13 00-0122			<b>Playground Equipment (Landscape Structures®)</b> <small>(11 68 13)</small>		
			Note: Excludes excavation and concrete footings.		
11 68 13 00-0123			<b>Playground Equipment (Landscape Structures® PlayShaper®)</b> <small>(11 68 13 00-0122)</small>		
			Note: Ages 2 to 5 years.		
11 68 13 00-0124	EA		EI Slide, 32" Deck (Landscape Structures® PlayShaper® 111323A) .....	2,567.11	112.13
11 68 13 00-0125	EA		SpyroSlide, 56" Height, 48" Deck (Landscape Structures® PlayShaper® 143480A) .....	6,499.21	420.51
11 68 13 00-0126	EA		Tunnel Slide, 40" Deck (Landscape Structures® PlayShaper® 128952A) .....	2,676.37	112.13
11 68 13 00-0127	EA		Double Wave Poly Slide, 48" Deck (Landscape Structures® PlayShaper® 123336A) .....	3,058.56	168.20
11 68 13 00-0128	EA		Double Swirl Slide, 48" Deck (Landscape Structures® PlayShaper® 130798A) .....	2,598.13	168.20
11 68 13 00-0129	EA		Double Poly Slide, 32" Deck (Landscape Structures® PlayShaper® 132155A) .....	2,059.85	112.13
11 68 13 00-0130	EA		Double Poly Slide, 40" - 48" Deck (Landscape Structures® PlayShaper® 132155B) .....	2,286.17	112.13
11 68 13 00-0131	EA		Lava Run Slide, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137967A) .....	1,755.49	112.13
11 68 13 00-0132	EA		32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426A) .....	4,985.54	336.40
11 68 13 00-0133	EA		40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426B) .....	5,750.33	336.40
11 68 13 00-0134	EA		48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426C) .....	6,195.16	336.40
11 68 13 00-0135	EA		Curved Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 123339A) .....	1,763.50	56.07
11 68 13 00-0136	EA		Single Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 133668A) .....	1,794.51	112.13
11 68 13 00-0137	EA		32" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117A) .....	2,379.62	168.20
11 68 13 00-0138	EA		40" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117B) .....	2,652.76	168.20
11 68 13 00-0139	EA		48" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117C) .....	2,957.11	168.20
11 68 13 00-0140	EA		Critter Canyon Climber, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137966A) .....	1,708.67	112.13
11 68 13 00-0141	EA		Thunderhead Climber, 48" Deck-To-Ground (Landscape Structures® PlayShaper® 139911A) .....	7,139.04	448.54
11 68 13 00-0142	EA		Step Deck Climber, 16" Deck (Landscape Structures® PlayShaper® 119981A) .....	998.51	112.13
11 68 13 00-0143	EA		Loop Ladder Climber, 40" Or 48" Deck (Landscape Structures® PlayShaper® 111364A) .....	1,053.33	56.07
11 68 13 00-0144	EA		Loop Arch Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 139262A) .....	1,590.19	140.17
11 68 13 00-0145	EA		32" Deck, Block Climber (Landscape Structures® PlayShaper® 135547A) .....	2,465.36	196.24
11 68 13 00-0146	EA		40" Deck, Block Climber (Landscape Structures® PlayShaper® 135547B) .....	2,878.97	196.24
11 68 13 00-0147	EA		32" - 40" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023A) .....	2,684.17	112.13
11 68 13 00-0148	EA		48" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023B) .....	2,887.07	112.13
11 68 13 00-0149	EA		1-Step, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021A) .....	1,318.47	112.13
11 68 13 00-0150	EA		2-Steps, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021B) .....	1,536.98	112.13
11 68 13 00-0151	EA		16" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346A) .....	686.60	46.73
11 68 13 00-0152	EA		24" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346B) .....	1,271.75	84.10
11 68 13 00-0153	EA		32" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346C) .....	1,926.83	214.93
11 68 13 00-0154	EA		40" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346D) .....	2,270.20	214.93
11 68 13 00-0155	EA		32" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327A) .....	2,028.63	112.13
11 68 13 00-0156	EA		40" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327B) .....	4,494.93	112.13
11 68 13 00-0157	EA		48" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327C) .....	3,004.13	112.13
11 68 13 00-0158	EA		32" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284A) .....	948.36	140.17
11 68 13 00-0159	EA		40" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284B) .....	974.99	140.17
11 68 13 00-0160	EA		48" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284C) .....	1,021.30	140.17
11 68 13 00-0161	EA		Overhead Events Horizontal Ladder, 16" Deck (Landscape Structures® PlayShaper® 129967A) .....	1,022.23	28.03
11 68 13 00-0162	EA		Overhead Events Horizontal Ladder End Panel, Without Posts (Landscape Structures® PlayShaper® 129968A) .....	374.50	28.03
11 68 13 00-0163	EA		Conical Climber, 40" Deck (Landscape Structures® PlayShaper® 143200A) .....	3,652.88	196.24
11 68 13 00-0164	EA		ABC Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 152432A) .....	1,911.11	140.17
11 68 13 00-0165	EA		Mini Summit Climber, 40" And 48" Decks (Landscape Structures® PlayShaper® 153077A) .....	1,164.20	46.73
11 68 13 00-0166	EA		Arch Bridge, 42" Long (Landscape Structures® PlayShaper® 111348A) .....	2,294.17	56.07
11 68 13 00-0167	EA		Phase Kit (Landscape Structures® PlayShaper® 116098A) .....	321.02	35.32
11 68 13 00-0168	EA		Belt Bridge With Permalene Barriers, 42" Long (Landscape Structures® PlayShaper® 131956A) .....	1,779.10	56.07
11 68 13 00-0169	EA		8" Deck-To-Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 111413A) .....	709.86	84.10
11 68 13 00-0170	EA		16" - 48" Decks To Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 138405A) .....	1,403.88	84.10
11 68 13 00-0171	EA		Deck-To-Deck Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132828A) .....	4,931.32	224.27
11 68 13 00-0172	EA		Deck-To-Ground Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132844A) .....	4,931.32	224.27
11 68 13 00-0173	EA		Wire Crawl Tunnel (Landscape Structures® PlayShaper® 118099A) .....	2,247.15	112.13
11 68 13 00-0174	EA		Offset Crawl Tunnel, 8" Deck Height Difference (Landscape Structures® PlayShaper® 139268A) .....	1,685.26	112.13
11 68 13 00-0175	EA		28" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953A) .....	1,724.48	56.07
11 68 13 00-0176	EA		56" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953B) .....	2,231.74	56.07
11 68 13 00-0177	EA		90 Degree Curved Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 115409C) .....	2,465.66	112.13
11 68 13 00-0178	EA		C-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097A) .....	4,065.07	224.27
11 68 13 00-0179	EA		S-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097B) .....	4,065.07	224.27
11 68 13 00-0180	EA		C-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098A) .....	4,065.07	224.27



		<b>Equipment</b>	<b>11</b>
		<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
		<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0181	EA S-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098B).....	4,065.07	224.27
11 68 13 00-0182	EA Bubble Panel, Enclosure (Landscape Structures® PlayShaper® 111282A).....	780.31	28.03
11 68 13 00-0183	EA Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111300A).....	1,193.96	18.69
11 68 13 00-0184	EA Chimes Panel, Enclosure (Landscape Structures® PlayShaper® 113211A).....	1,381.26	18.69
11 68 13 00-0185	EA Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123845A).....	1,506.12	18.69
11 68 13 00-0186	EA Driver Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111288A).....	819.33	28.03
11 68 13 00-0187	EA Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111289A).....	647.68	18.69
11 68 13 00-0188	EA Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 117147A).....	1,888.52	18.69
11 68 13 00-0189	EA Hole Panel, Enclosure (Landscape Structures® PlayShaper® 111284A).....	515.01	18.69
11 68 13 00-0190	EA House Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111299A).....	608.62	28.03
11 68 13 00-0191	EA Hourglass Panel, Enclosure (Landscape Structures® PlayShaper® 124333A).....	1,607.57	18.69
11 68 13 00-0192	EA Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 127684A).....	1,006.62	28.03
11 68 13 00-0193	EA Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayShaper® 127685A).....	1,396.71	56.07
11 68 13 00-0194	EA Math Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111294A).....	1,498.21	46.73
11 68 13 00-0195	EA Sand And Water Panel, Enclosure (Ground Level Only), Tan Dish Only (Landscape Structures® PlayShaper® 111297A).....	1,443.44	84.10
11 68 13 00-0196	EA Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111298A).....	1,045.68	18.69
11 68 13 00-0197	EA Periscope Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 118429A).....	1,560.71	28.03
11 68 13 00-0198	EA Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 119515A).....	1,069.05	28.03
11 68 13 00-0199	EA Slant Window Panel, Enclosure (Landscape Structures® PlayShaper® 111281A).....	1,365.49	56.07
11 68 13 00-0200	EA Storefront Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 144984A).....	468.15	28.03
11 68 13 00-0201	EA Spelling Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111295A).....	1,443.58	46.73
11 68 13 00-0202	EA Slant Entrance Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111387A).....	1,107.92	74.76
11 68 13 00-0203	EA Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123484A).....	1,342.24	18.69
11 68 13 00-0204	EA Puppet Panel, Enclosure (Landscape Structures® PlayShaper® 111285A).....	515.01	18.69
11 68 13 00-0205	EA Puppet Panel With Window, Enclosure (Landscape Structures® PlayShaper® 111286A).....	710.07	28.03
11 68 13 00-0206	EA Zoo Panel, Enclosure (Landscape Structures® PlayShaper® 111287A).....	515.01	18.69
11 68 13 00-0207	EA Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111290A).....	663.29	18.69
11 68 13 00-0208	EA Table Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111292A).....	1,256.14	84.10
11 68 13 00-0209	EA Tic-Tac-Toe Panel, Enclosure (Landscape Structures® PlayShaper® 111293A).....	1,365.61	28.03
11 68 13 00-0210	EA Bead And Block Panel Without Handles, Enclosure (Landscape Structures® PlayShaper® 111370A).....	1,037.84	28.03
11 68 13 00-0211	EA 2 Benches, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 116120A).....	998.76	46.73
11 68 13 00-0212	EA 1 Bench, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 138185A).....	577.34	46.73
11 68 13 00-0213	EA 1 Bench, 1 End Panel (Ground Level Only) (Landscape Structures® PlayShaper® 138299A).....	507.17	28.03
11 68 13 00-0214	EA Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260A).....	1,404.42	84.10
11 68 13 00-0215	EA Balcony Deck With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260B).....	1,630.73	84.10
11 68 13 00-0216	EA Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139264A).....	468.19	18.69
11 68 13 00-0217	EA Navigator Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139266A).....	655.48	18.69
11 68 13 00-0218	EA Curb, Accessible Reach Panel (Landscape Structures® PlayShaper® 128623A).....	135.74	18.69
11 68 13 00-0219	EA Long Wire Barrier (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945A).....	756.89	28.03
11 68 13 00-0220	EA Long Wire Barrier With Wheel (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945B).....	1,006.56	46.73
11 68 13 00-0221	EA Short Wire Barrier (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946A).....	577.34	46.73
11 68 13 00-0222	EA Short Wire Barrier With Wheel (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946B).....	803.66	46.73
11 68 13 00-0223	EA Chinning Bar Without Post (Landscape Structures® PlayShaper® 139272A).....	132.62	18.69
11 68 13 00-0224	EA Steering Wheel (Landscape Structures® PlayShaper® 111306A).....	249.68	18.69
11 68 13 00-0225	EA Steering Wheel With Infill Panel (Landscape Structures® PlayShaper® 111306B).....	335.52	18.69
11 68 13 00-0226	EA Handloop (Landscape Structures® PlayShaper® 119977A).....	195.05	18.69
11 68 13 00-0227	EA Ground Level, Talk Tubes, Attaches Next To 40" To 48" Deck Only, One Only (Landscape Structures® PlayShaper® 115198A).....	530.58	28.03
11 68 13 00-0228	EA 16" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198B).....	546.19	28.03
11 68 13 00-0229	EA 24" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198C).....	553.99	28.03
11 68 13 00-0230	EA 32" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198D).....	569.60	28.03
11 68 13 00-0231	EA 40" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198E).....	577.40	28.03
11 68 13 00-0232	EA 48" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198F).....	593.01	28.03
11 68 13 00-0233	EA Talk Tube Tubing Kit (Landscape Structures® PlayShaper® 111362A).....	498.85	168.20
	Note: Order one talk tube tubing kit with two talk tubes (any height listed).		
11 68 13 00-0234	EA Arch Roof (Landscape Structures® PlayShaper® 111407A).....	803.60	56.07
11 68 13 00-0235	EA Square Poly Roof With Logo Panels (Landscape Structures® PlayShaper® 118110A).....	1,505.77	112.13
11 68 13 00-0236	EA Square Peak Tile Roof With Logo Panels (Landscape Structures® PlayShaper® 129816A).....	1,669.65	112.13
11 68 13 00-0237	EA Super-Square Shingle Roof With Permalene Roof Cap (Landscape Structures® PlayShaper® 130102A).....	3,464.57	112.13
11 68 13 00-0238	EA Super-Square Shingle Roof With Poly Roof Cap (Landscape Structures® PlayShaper® 130102B).....	4,026.46	112.13
11 68 13 00-0239	EA Square Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 111237A).....	873.89	46.73
11 68 13 00-0240	EA Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayShaper® 111238A).....	834.87	46.73
11 68 13 00-0241	EA Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayShaper® 111239A).....	850.48	46.73
11 68 13 00-0242	EA 90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 117495A).....	686.66	28.03
11 68 13 00-0243	EA Transfer Stations With Two Handbars (Landscape Structures® PlayShaper® 126205A).....	1,372.90	168.20
11 68 13 00-0244	EA Transfer Stations With One Handbar (Landscape Structures® PlayShaper® 126205B).....	1,255.84	168.20
11 68 13 00-0245	EA Transfer Stations No Handbars (Landscape Structures® PlayShaper® 126205C).....	1,154.39	168.20
11 68 13 00-0246	EA Curb For 90 Degree Tri-Deck (Landscape Structures® PlayShaper® 139083A).....	163.83	18.69
11 68 13 00-0247	EA 8" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948A).....	145.10	18.69
11 68 13 00-0248	EA 16" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948B).....	210.66	18.69
11 68 13 00-0249	EA 8" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949A).....	176.32	18.69
11 68 13 00-0250	EA 16" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949B).....	257.48	18.69
11 68 13 00-0251	EA To 32" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020A).....	2,590.12	224.27
11 68 13 00-0252	EA To 40" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020B).....	2,956.90	224.27
11 68 13 00-0253	EA To 48" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020C).....	3,112.98	224.27
11 68 13 00-0254	EA 56"/SpyroSlide, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399A).....	1,560.59	56.07
11 68 13 00-0255	EA 48" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399B).....	1,529.38	56.07
11 68 13 00-0256	EA 40" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399C).....	1,513.77	56.07

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0257 EA 32" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399D).....	1,490.36	56.07
11 68 13 00-0258 EA 24" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399E).....	1,466.94	56.07
11 68 13 00-0259 EA 16" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399F).....	1,451.34	56.07
11 68 13 00-0260 EA 8" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399G).....	1,435.73	56.07
11 68 13 00-0261 EA Ground Level, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399H).....	1,420.12	56.07
11 68 13 00-0262 EA 82"/48" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398A).....	351.09	28.03
11 68 13 00-0263 EA 74"/40" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398B).....	335.48	28.03
11 68 13 00-0264 EA 66"/32" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398C).....	312.07	28.03
11 68 13 00-0265 EA 58"/24" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398D).....	304.26	28.03
11 68 13 00-0266 EA 50"/16" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398E).....	296.46	28.03
11 68 13 00-0267 EA 42"/8" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398F).....	288.65	28.03
11 68 13 00-0268 EA 128"/SpyroSlide/SlideWinder2 Off 48" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397A).....	639.32	168.20
11 68 13 00-0269 EA 114"/48" Deck/SlideWinder2 Off 40" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397B).....	608.11	168.20
11 68 13 00-0270 EA 106"/40" Deck/SlideWinder2 Off 32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397C).....	600.30	168.20
11 68 13 00-0271 EA 98"/32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397D).....	358.89	28.03
11 68 13 00-0272 EA 90"/24" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397E).....	351.09	28.03
11 68 13 00-0273 EA 82"/16" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397F).....	335.48	28.03
11 68 13 00-0274 EA 74"/8" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397G).....	312.07	28.03
11 68 13 00-0275 EA 69"/Ground Level, Post For Decks (Landscape Structures® PlayShaper® 111397H).....	304.26	28.03
11 68 13 00-0276 EA 145"/SpyroSlide, Post For Roofs (Landscape Structures® PlayShaper® 111396A).....	413.52	28.03
11 68 13 00-0277 EA 137"/48" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396B).....	405.71	28.03
11 68 13 00-0278 EA 129"/40" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396C).....	382.30	28.03
11 68 13 00-0279 EA 121"/32" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396D).....	374.50	28.03
11 68 13 00-0280 EA 113"/24" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396E).....	366.69	28.03
11 68 13 00-0281 EA 105"/16" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396F).....	351.09	28.03
11 68 13 00-0282 EA 97"/8" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396G).....	335.48	28.03
11 68 13 00-0283 EA 89"/Ground Level, Post For Roofs (Landscape Structures® PlayShaper® 111396H).....	312.07	28.03
11 68 13 00-0284 EA Learning Wall Arch For 10" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208A).....	2,373.46	184.96
11 68 13 00-0285 EA Learning Wall Arch For 1" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208B).....	2,342.47	182.57
11 68 13 00-0286 EA Learning Wall Arch For 10" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208C).....	1,908.11	148.75
11 68 13 00-0287 EA Learning Wall Arch For 1" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208D).....	1,877.04	146.28
11 68 13 00-0288 EA Learning Wall Post For 10" Panel Height (Landscape Structures® PlayShaper® 115201A).....	387.82	30.23
11 68 13 00-0289 EA Learning Wall Post For 1" Panel Height (Landscape Structures® PlayShaper® 115201B).....	372.30	29.03
11 68 13 00-0290 EA Learning Wall Post For Poly Roof With 10" Panel Height (Landscape Structures® PlayShaper® 115203A).....	421.95	32.86
11 68 13 00-0291 EA Learning Wall Post For Poly Roof With 1" Panel Height (Landscape Structures® PlayShaper® 115203B).....	403.33	31.42
11 68 13 00-0292 EA The Peak Natural Climber, 40" Deck (Landscape Structures® PlayShaper® 160423A).....	7,623.49	280.34
11 68 13 00-0293 EA The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayShaper® 160424A).....	4,057.48	168.20

**11 68 13 00-0294 Playground Equipment (Landscape Structures® Independent Pieces) (11 68 13 00-0122)**

11 68 13 00-0295 EA 9-Blocks, Block Climber (Landscape Structures® 117966A).....	3,300.07	280.34
11 68 13 00-0296 EA 12-Blocks, Block Climber (Landscape Structures® 117966B).....	3,729.29	280.34
11 68 13 00-0297 EA 116-Blocks, Block Climber (Landscape Structures® 117966C).....	4,579.73	336.40
11 68 13 00-0298 EA Spider Web Climber, CableCore Climbing Cable (Direct Bury Only) (Landscape Structures® 136159A).....	3,432.95	224.27
11 68 13 00-0299 EA 4-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150976A).....	5,554.40	373.78
11 68 13 00-0300 EA 6-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150977A).....	3,831.16	168.20
11 68 13 00-0301 EA Star Seeker Climber, Net Climber (Direct Bury Only) (Landscape Structures® 148041A).....	10,244.83	504.61
11 68 13 00-0302 EA Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Aluminum Posts (Landscape Structures® 144477A).....	9,223.11	336.40
11 68 13 00-0303 EA Funnel Climber, Net Climber Without Vertical Ladders, (4) Aluminum Posts (Landscape Structures® 144477B).....	6,788.46	280.34
11 68 13 00-0304 EA Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Aluminum Posts (Landscape Structures® 144477C).....	8,005.79	308.37
11 68 13 00-0305 EA Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Aluminum Posts (Landscape Structures® 144477D).....	10,440.44	364.44
11 68 13 00-0306 EA Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Aluminum Posts (Landscape Structures® 144477E).....	11,657.76	392.47
11 68 13 00-0307 EA Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Steel Posts (Landscape Structures® 144477F).....	8,988.99	336.40
11 68 13 00-0308 EA Funnel Climber, Net Climber Without Vertical Ladders, (4) Steel Posts (Landscape Structures® 144477G).....	6,632.38	280.34
11 68 13 00-0309 EA Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Steel Posts (Landscape Structures® 144477H).....	7,810.69	308.37
11 68 13 00-0310 EA Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Steel Posts (Landscape Structures® 144477I).....	10,167.30	364.44
11 68 13 00-0311 EA Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Steel Posts (Landscape Structures® 144477J).....	11,345.60	392.47
11 68 13 00-0312 EA 8", Pod Climber, One Pod Only (Landscape Structures® 120710A).....	374.44	46.73
11 68 13 00-0313 EA 16", Pod Climber, One Pod Only (Landscape Structures® 120711A).....	382.24	46.73
11 68 13 00-0314 EA 24", Pod Climber, One Pod Only (Landscape Structures® 120712A).....	390.04	46.73
11 68 13 00-0315 EA 30", Pod Climber, One Pod Only (Landscape Structures® 120713A).....	397.85	46.73
11 68 13 00-0316 EA Track Ride Curved (Landscape Structures® 118093A).....	3,753.32	112.13
11 68 13 00-0317 EA 18" Curved Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121874A).....	5,711.31	336.40
11 68 13 00-0318 EA 18" Curved Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121874B).....	5,555.23	336.40
11 68 13 00-0319 EA 10" Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121648A).....	4,806.05	336.40
11 68 13 00-0320 EA 10" Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121648B).....	4,493.89	336.40
11 68 13 00-0321 EA 18" Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121875A).....	5,001.15	336.40
11 68 13 00-0322 EA 18" Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121875B).....	4,845.07	336.40
11 68 13 00-0323 EA Playstructure Seat, TenderTuff-coated Brown (Landscape Structures® 120818A).....	475.84	56.07
11 68 13 00-0324 EA Kids In Motion, Sway Fun Glider, Brown Deck Only (Landscape Structures® 138871A).....	17,111.75	672.81
11 68 13 00-0325 EA CoolToppers Shade System, Full Sail, (Direct Bury Only) (Landscape Structures® 136759A).....	14,808.34	1,009.21
11 68 13 00-0326 EA CoolToppers Shade System, Single Post, (Direct Bury Only) (Landscape Structures® 154397A).....	4,976.92	560.67
11 68 13 00-0327 EA CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155071A).....	6,070.70	224.27
11 68 13 00-0328 EA CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155072A).....	9,831.01	560.67
11 68 13 00-0329 EA Turtle Sand Table, (2-Color Permalene), (Direct Bury Only) (Landscape Structures® 116568A).....	624.07	74.76
11 68 13 00-0330 EA Straight Crawl Tunnel (Landscape Structures® 100005A).....	2,005.02	168.20
11 68 13 00-0331 EA Curved Crawl Tunnel (Landscape Structures® 100005D).....	2,543.50	168.20



	<b>Equipment</b>	<b>11</b>
	<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
	<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0332 EA 4' Square, SanDirect Buryoxe (Landscape Structures® 120458A).....	545.68	168.20
11 68 13 00-0333 EA SanDirect Buryoxe, Play Table Only (Landscape Structures® 120894A).....	764.19	168.20
11 68 13 00-0334 EA 8' Square, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458B).....	1,099.15	336.40
11 68 13 00-0335 EA 8' Square, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458C).....	1,575.19	336.40
11 68 13 00-0336 EA 8' L-Shaped, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458D).....	1,099.15	336.40
11 68 13 00-0337 EA 8' L-Shaped, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458E).....	1,575.19	336.40
11 68 13 00-0338 EA Splash Circuit Sand And Water Station, Direct Bury (Landscape Structures® 126202A).....	4,914.90	448.54
11 68 13 00-0339 EA Splash Circuit Sand And Water Station, Surface Mount (Landscape Structures® 126202B).....	4,767.03	336.40
11 68 13 00-0340 EA Talk Tubes, Complete With (2) 2-3/8" Square Aluminum Posts, Ground Level, (Direct Bury Only) (Landscape Structures® 113931A).....	2,192.11	224.27
11 68 13 00-0341 EA Clear Paint Panel, Surface Mount (Landscape Structures® 112621A).....	881.64	56.07
11 68 13 00-0342 EA Clear Paint Panel, Direct Bury (Landscape Structures® 112621B).....	772.29	84.10
11 68 13 00-0343 EA Dino Climber, Direct Bury (Landscape Structures® 100122A).....	12,718.90	448.54
11 68 13 00-0344 EA Dino Climber, Surface Mount (Landscape Structures® 100122B).....	13,241.97	392.47
11 68 13 00-0345 EA Sand Table, (3) Steel Posts, Direct Bury (Landscape Structures® 136233B).....	3,549.60	336.40
11 68 13 00-0346 EA Sand Table, (3) Aluminum Posts, Direct Bury (Landscape Structures® 136233A).....	3,635.45	336.40
11 68 13 00-0347 EA Wiggle Worm Crawl Tunnel With 2-Color Permalene Head (Landscape Structures® 120418A).....	4,275.57	280.34
11 68 13 00-0348 EA Wiggle Worm Crawl Tunnel Without 2-Color Permalene Head (Landscape Structures® 120418B).....	3,003.73	224.27
11 68 13 00-0349 EA Kids In Motion, Saddle Spinner (Landscape Structures® 152179A).....	1,287.45	56.07
11 68 13 00-0350 EA Kids In Motion, Log Roll With Aluminum Posts (Landscape Structures® 100027A).....	1,903.77	112.13
11 68 13 00-0351 EA Kids In Motion, Log Roll, Tan Log Only, (2) Steel Posts (Landscape Structures® 100027B).....	1,825.73	112.13
11 68 13 00-0352 EA Kids In Motion, Spring Pod Bouncer, Sold Individually Per Pod (Landscape Structures® 120876A).....	507.10	46.73
11 68 13 00-0353 EA Kids In Motion, SpringRing Bouncer, (Brown Ring Only, Avail. for Direct Bury Only) (Landscape Structures® 117961A).....	6,795.66	448.54
11 68 13 00-0354 EA Kids In Motion, Spring Platform With Handhold, Brown Platform, Tan Handhold* (Landscape Structures® 125059A).....	2,418.02	336.40
11 68 13 00-0355 EA Kids In Motion, Spring Platform Without Handhold, Brown Platform* (Landscape Structures® 125059B).....	2,261.94	336.40
11 68 13 00-0356 EA Kids In Motion, Spring Platform With Post, Brown Platform, Tan Post* (Landscape Structures® 125059C).....	2,839.44	336.40
11 68 13 00-0357 EA Kids In Motion, Stand-Up Spinner, (Direct Bury Only) (Landscape Structures® 155077A).....	1,888.36	56.07
11 68 13 00-0358 EA Orbiter Spinner, Steel Post, (Avail. for Direct Bury Only (Landscape Structures® 153589A).....	2,637.15	168.20
11 68 13 00-0359 EA Orbiter2 Spinner, Steel Post, (Avail. for Direct Bury Only (Landscape Structures® 154358A).....	4,751.82	224.27
11 68 13 00-0360 EA Orbiter3 Spinner, Steel Post, (Direct Bury Only) (Landscape Structures® 154359A).....	6,858.70	280.34
11 68 13 00-0361 EA Stand-Up Seesaw, Direct Bury (Landscape Structures® 148638A).....	2,777.82	112.13
11 68 13 00-0362 EA Stand-Up Seesaw, Surface Mount (Landscape Structures® 148638B).....	2,395.42	112.13
11 68 13 00-0363 EA 2-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148636A).....	3,074.37	112.13
11 68 13 00-0364 EA 2-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148636B).....	2,652.95	112.13
11 68 13 00-0365 EA 4-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148637A).....	3,714.30	112.13
11 68 13 00-0366 EA 4-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148637B).....	3,308.49	112.13
11 68 13 00-0367 EA Seesaw Back Support, With Seat Strap* (Landscape Structures® 148706A).....	351.13	18.69
11 68 13 00-0368 EA Seesaw Back Support, without Seat Strap (Landscape Structures® 148706B).....	288.70	18.69
11 68 13 00-0369 EA Stationary Cycler, SuperScoop, (Direct Bury Only) (Landscape Structures® 123831A).....	1,318.37	140.17
11 68 13 00-0370 EA Stationary Cycler, SuperScoop, Wheelchair-Accessible, Surface Mount (Landscape Structures® 123832A).....	1,178.10	84.10
11 68 13 00-0371 EA Stationary Cycler, SuperScoop, Wheelchair-Accessible, Direct Bury (Landscape Structures® 123832B).....	1,224.72	140.17
11 68 13 00-0372 EA Motorcycle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100013B).....	1,802.12	168.20
11 68 13 00-0373 EA Motorcycle Back Supports With Seat Strap (Landscape Structures® 123711A).....	280.89	18.69
11 68 13 00-0374 EA Motorcycle Back Supports Without Seat Strap (Landscape Structures® 123711B).....	234.07	18.69
11 68 13 00-0375 EA Turtle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100014B).....	1,521.27	140.17
11 68 13 00-0376 EA Bird TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B).....	1,544.59	168.20
11 68 13 00-0377 EA Horse TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B).....	1,528.98	168.20
11 68 13 00-0378 EA Car TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100017B).....	1,802.12	168.20
11 68 13 00-0379 EA RhinoDino TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100123B).....	1,505.66	140.17
11 68 13 00-0380 EA T-Rex TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100124B).....	1,528.98	168.20
11 68 13 00-0381 EA 2-Seat Airplane Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 120871A).....	2,270.26	196.24
11 68 13 00-0382 EA 2-Seat Airplane Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 120871B).....	2,379.62	168.20
11 68 13 00-0383 EA 2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 126378A).....	2,059.55	196.24
11 68 13 00-0384 EA 2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 126378B).....	2,161.10	168.20
11 68 13 00-0385 EA Motorcycle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100013A).....	1,552.49	140.17
11 68 13 00-0386 EA Turtle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100014A).....	1,263.84	112.13
11 68 13 00-0387 EA Bird TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100015A).....	1,287.15	140.17
11 68 13 00-0388 EA Horse TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100016A).....	1,271.54	140.17
11 68 13 00-0389 EA Car TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100017A).....	1,552.49	140.17
11 68 13 00-0390 EA RhinoDino TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100123A).....	1,256.04	112.13
11 68 13 00-0391 EA T-Rex TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100124A).....	1,271.54	140.17
11 68 13 00-0392 EA Zebra Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135534B).....	1,591.51	140.17
11 68 13 00-0393 EA Sea Horse Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135535B).....	1,700.76	140.17
11 68 13 00-0394 EA Dolphin Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135536B).....	1,622.72	140.17
11 68 13 00-0395 EA Zebra Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135534A).....	1,349.69	112.13
11 68 13 00-0396 EA Sea Horse Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135535A).....	1,451.14	112.13
11 68 13 00-0397 EA Dolphin Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135536A).....	1,380.90	112.13
11 68 13 00-0398 EA SpyroSlide, Poly, 72" Deck (Landscape Structures® 115366A).....	9,916.46	672.81
11 68 13 00-0399 EA 40" Poly Slide, 40" Deck (Landscape Structures® 100046A).....	5,297.90	280.34
11 68 13 00-0400 EA Wave Poly Slide, 72" Deck (Landscape Structures® 100046C).....	6,406.06	280.34
11 68 13 00-0401 EA Fire Engine, Colors As Shown Only, (Direct Bury Only) (Landscape Structures® 148640A).....	19,443.52	1,121.35
11 68 13 00-0402 EA Double Humpty Climber (Direct Bury Only) (Landscape Structures® 100037A).....	3,339.30	224.27
11 68 13 00-0403 EA Single Humpty Climber (Direct Bury Only) (Landscape Structures® 100037B).....	1,833.34	168.20
11 68 13 00-0404 EA 12-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150638A).....	36,664.52	1,794.15
11 68 13 00-0405 EA 7-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150637A).....	20,207.50	1,345.62
11 68 13 00-0406 EA 6-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150636A).....	18,326.73	1,345.62
11 68 13 00-0407 EA 3-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150635A).....	8,746.66	448.54
11 68 13 00-0408 EA 4', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038A).....	1,263.95	84.10
11 68 13 00-0409 EA 6', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038B).....	1,412.22	84.10

## 11 Equipment

## 11 60 Entertainment and Recreation Equipment

## 11 68 Play Field Equipment and Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0410	EA		Sky Rail Climber, Independent Climber (Direct Bury Only) (Landscape Structures® 146813A).....	4,493.89	336.40
11 68 13 00-0411	EA		4'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040A).....	951.79	84.10
11 68 13 00-0412	EA		6'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040B).....	1,029.83	84.10
11 68 13 00-0413	EA		Arch Belt Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 100050A).....	4,335.84	448.54
11 68 13 00-0414	EA		Arch Belt Swing, 2-Place, Uncoated Chain (Landscape Structures® 100050C).....	4,204.73	448.54
11 68 13 00-0415	EA		Arch Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 111579A).....	2,729.03	224.27
11 68 13 00-0416	EA		Arch Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 111579C).....	2,597.92	224.27
11 68 13 00-0417	EA		Single Post Swing, 2-Place, Uncoated Chain (Landscape Structures® 122837A).....	2,238.53	336.40
11 68 13 00-0418	EA		Single Post Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 122837B).....	2,369.64	336.40
11 68 13 00-0419	EA		Single Post Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 122838A).....	1,607.02	168.20
11 68 13 00-0420	EA		Single Post Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 122838B).....	1,738.13	168.20
11 68 13 00-0421	EA		Single Post Swing, 2-Place, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140769A).....	2,574.10	336.40
11 68 13 00-0422	EA		Single Post Swing, 2-Place, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140769B).....	2,705.21	336.40
11 68 13 00-0423	EA		Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140770A).....	1,942.59	168.20
11 68 13 00-0424	EA		Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140770B).....	2,073.70	168.20
11 68 13 00-0425	EA		Toddler Swing Add-On, With (1) Full-Bucket Seat, Without Post (Landscape Structures® 151852A).....	975.29	56.07
11 68 13 00-0426	EA		Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 120891A).....	4,969.52	448.54
11 68 13 00-0427	EA		Additional Bay, Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 139188A).....	3,479.77	224.27
11 68 13 00-0428	EA		4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Posts (Landscape Structures® 120892B).....	4,516.89	448.54
11 68 13 00-0429	EA		Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Posts (Landscape Structures® 141458B).....	2,917.88	224.27
11 68 13 00-0430	EA		Toddler Swing, With (2) Full-Bucket Seats (Landscape Structures® 117962B).....	2,246.74	224.27
11 68 13 00-0431	EA		Curved Balance Beam (Landscape Structures® 100041A).....	951.84	74.76
11 68 13 00-0432	EA		Drop Shot, (Direct Bury Only) (Landscape Structures® 100042A).....	1,685.15	140.17
11 68 13 00-0433	EA		Basketball Outfit, 6' Offset, Fan Permalene Backboard, Chain Net (Landscape Structures® 116947A).....	3,589.03	224.27
11 68 13 00-0434	EA		Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Chain Net (Landscape Structures® 116947B).....	4,010.44	224.27
11 68 13 00-0435	EA		Basketball Outfit, 6' Offset, Fan Permalene Backboard, Nylon Net (Landscape Structures® 116947C).....	3,581.22	224.27
11 68 13 00-0436	EA		Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Nylon Net (Landscape Structures® 116947D).....	4,002.64	224.27
11 68 13 00-0437	EA		FitCore Outdoor Fitness Equipment With Aluminum Posts, (Direct Bury Only) (Landscape Structures® 123722A).....	17,754.63	2,018.42
11 68 13 00-0438	EA		FitCore Outdoor Fitness Equipment With Steel Posts, (Direct Bury Only) (Landscape Structures® 123722B).....	17,239.56	2,018.42
11 68 13 00-0439	EA		Fitness Cluster With Steel Posts (Landscape Structures® 120874B).....	11,147.05	1,345.62
11 68 13 00-0440	EA		Fitness Cluster With Aluminum Posts (Landscape Structures® 120874A).....	11,365.57	1,345.62
11 68 13 00-0441	EA		Aluminum Posts, Climbing Wall (Landscape Structures® 153354A).....	2,512.08	224.27
11 68 13 00-0442	EA		Steel Posts, Climbing Wall (Landscape Structures® 153354B).....	2,434.04	224.27
11 68 13 00-0443	EA		30' Galvanized Stake, TuffTimber Edgers (Landscape Structures® 100626A).....	22.61	9.34
11 68 13 00-0444	EA		TuffTimber, 4' Length, TuffTimber Edgers, Black Only (Landscape Structures® 119214A).....	71.76	9.34
11 68 13 00-0445	EA		TuffTimbers Access Wedge, TuffTimber Edgers, Black Only (Landscape Structures® 130799A).....	905.21	18.69
11 68 13 00-0446	EA		Age Appropriate Fitness Sign, Ages 12 And Over (Landscape Structures® 114483A).....	499.36	28.03
11 68 13 00-0447	EA		Age Appropriate Fitness Sign, Ages 5 to 12 (Landscape Structures® 114484A).....	499.36	28.03
11 68 13 00-0448	EA		Accessible Playground Sign, With 2-3/8" Post (Landscape Structures® 100103A).....	468.15	28.03
11 68 13 00-0449	EA		Age Appropriate Sign, With PlayShaper Posts, Optional Name* (Landscape Structures® 100104A).....	959.80	28.03
11 68 13 00-0450	EA		Age Appropriate Sign, With PlayShaper Posts, 2 - 5 Years* (Landscape Structures® 100105A).....	811.52	28.03
11 68 13 00-0451	EA		Age Appropriate Sign, With PlayShaper Posts, 5 - 12 Years* (Landscape Structures® 100106A).....	811.52	28.03
11 68 13 00-0452	EA		Flat Molded Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100052A).....	273.09	18.69
11 68 13 00-0453	EA		Molded Bucket Seat (Specify Color), Swing Accessories (Excludes Chain) (Landscape Structures® 100054A).....	678.74	56.07
11 68 13 00-0454	EA		Full-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100055A).....	351.09	28.03
11 68 13 00-0455	EA		Half-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 112228A).....	335.48	28.03
11 68 13 00-0456	EA		Slash-Proof Belt Seat, Swing Accessories (Landscape Structures® 132385A).....	109.20	18.69
11 68 13 00-0457	EA		Seat Strap for Molded Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 111416A).....	102.96	18.69
11 68 13 00-0458	LF		TuffTurf Geotextile Fabric, (12 1/2' Wide Roll), Order an Additional 20% for Overlap/Waste, per LF (Landscape Structures® 109694A).....	8.96	2.81
11 68 13 00-0459	EA		TuffTurf Adhesive 10.6 oz. Tube, (Approximate Coverage: 3 Tiles per Tube) (Landscape Structures® 114513A).....	11.32	
11 68 13 00-0460	EA		Rider, Direct Bury Leg, Concrete, (Direct Bury Only) (Landscape Structures® 115381A).....	257.44	28.03
11 68 13 00-0461	EA		Mesh SanDirect Buryox Cover, 4' Square (Landscape Structures® 120530A).....	85.79	14.01
11 68 13 00-0462	EA		Mesh SanDirect Buryox Cover, 8' Square (Landscape Structures® 120530B).....	296.46	28.03
11 68 13 00-0463	EA		Mesh SanDirect Buryox Cover, 8' L-Shaped (Landscape Structures® 120530C).....	249.63	28.03
11 68 13 00-0464	EA		4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Aluminum Posts (Landscape Structures® 120892A).....	4,299.19	224.27
11 68 13 00-0465	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", Square (Landscape Structures® 122868A).....	156.03	14.01
11 68 13 00-0466	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", 1-Bevel (Landscape Structures® 122868B).....	156.03	14.01
11 68 13 00-0467	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", 2-Bevel (Landscape Structures® 122868C).....	156.03	14.01
11 68 13 00-0468	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", 3-Bevel (Landscape Structures® 122868D).....	156.03	14.01
11 68 13 00-0469	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", 4-Bevel (Landscape Structures® 122868E).....	156.03	14.01
11 68 13 00-0470	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", Corner Bevel (Landscape Structures® 122868F).....	156.03	14.01
11 68 13 00-0471	EA		Rider, 4-Bevel TuffTurf Tile, With Hole, For TuffRiders And Whimsy Riders * (Landscape Structures® 122869A).....	163.83	14.01
11 68 13 00-0472	EA		1-Place, Surge Swing, Uncoated Chain (Landscape Structures® 127680A).....	2,223.73	112.13
11 68 13 00-0473	EA		1-Place, Surge Swing, TenderTuff-coated Chain (Landscape Structures® 127680B).....	2,289.29	112.13
11 68 13 00-0474	EA		TuffTurf Adhesive 1 Gallon (Approximate Coverage: 15 Tiles per Gallon) (Landscape Structures® 128036A).....	78.04	
11 68 13 00-0475	EA		1-Place, Surge Swing, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 139910A).....	2,387.62	112.13
11 68 13 00-0476	EA		1-Place, Surge Swing, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 139910B).....	2,453.17	112.13
11 68 13 00-0477	EA		Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Aluminum Posts (Landscape Structures® 141458A).....	2,902.48	168.20
11 68 13 00-0478	EA		The Pinnacle Natural Climber (Landscape Structures® 156065A).....	23,511.03	672.81
11 68 13 00-0479	EA		The Pointe Natural Climber (Landscape Structures® 156067A).....	13,288.59	448.54
11 68 13 00-0480	EA		Hemisphere Climber With Single Arch, Independent Climber (Landscape Structures® 156435A).....	13,288.59	448.54
11 68 13 00-0481	EA		5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157107A).....	1,817.93	112.13
11 68 13 00-0482	EA		5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157107B).....	1,949.03	112.13





<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0483 EA 5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157107C).....	2,020.83	112.13
11 68 13 00-0484 EA 5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157107D).....	2,151.94	112.13
11 68 13 00-0485 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157108A).....	1,045.53	56.07
11 68 13 00-0486 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157108B).....	1,176.64	56.07
11 68 13 00-0487 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157108C).....	1,115.76	56.07
11 68 13 00-0488 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157108D).....	1,246.87	56.07
11 68 13 00-0489 EA 5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157109A).....	1,895.97	112.13
11 68 13 00-0490 EA 5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157109B).....	2,095.75	112.13
11 68 13 00-0491 EA 5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157109C).....	2,098.87	112.13
11 68 13 00-0492 EA 5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157109D).....	2,298.65	112.13
11 68 13 00-0493 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157110A).....	1,107.96	56.07
11 68 13 00-0494 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157110B).....	1,401.19	112.13
11 68 13 00-0495 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157110C).....	1,178.20	56.07
11 68 13 00-0496 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157110D).....	1,471.43	112.13
11 68 13 00-0497 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157111A).....	1,974.01	112.13
11 68 13 00-0498 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157111B).....	2,105.11	112.13
11 68 13 00-0499 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157111C).....	2,176.91	112.13
11 68 13 00-0500 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157111D).....	2,308.02	112.13
11 68 13 00-0501 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157112A).....	1,193.80	56.07
11 68 13 00-0502 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157112B).....	1,418.36	112.13
11 68 13 00-0503 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157112C).....	1,264.04	56.07
11 68 13 00-0504 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157112D).....	1,488.60	112.13
11 68 13 00-0505 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157113A).....	2,052.05	112.13
11 68 13 00-0506 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157113B).....	2,251.83	112.13
11 68 13 00-0507 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157113C).....	2,254.95	112.13
11 68 13 00-0508 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157113D).....	2,454.73	112.13
11 68 13 00-0509 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157114A).....	1,264.04	56.07
11 68 13 00-0510 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157114B).....	1,557.27	112.13
11 68 13 00-0511 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157114C).....	1,427.73	112.13
11 68 13 00-0512 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157114D).....	1,627.51	112.13
11 68 13 00-0513 EA Motorcycle TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157286A).....	1,817.93	112.13
11 68 13 00-0514 EA Motorcycle TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157286B).....	2,020.83	112.13
11 68 13 00-0515 EA T-Rex TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157287A).....	1,536.98	112.13
11 68 13 00-0516 EA T-Rex TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157287B).....	1,747.69	112.13
11 68 13 00-0517 EA Bird TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157288A).....	1,552.59	112.13
11 68 13 00-0518 EA Bird TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157288B).....	1,763.30	112.13
11 68 13 00-0519 EA Horse TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157289A).....	1,536.98	112.13
11 68 13 00-0520 EA Horse TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157289B).....	1,747.69	112.13
11 68 13 00-0521 EA Car TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157290A).....	1,817.93	112.13
11 68 13 00-0522 EA Car TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157290B).....	2,020.83	112.13
11 68 13 00-0523 EA Zebra Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157291A).....	1,669.65	112.13
11 68 13 00-0524 EA Zebra Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157291B).....	1,856.95	112.13
11 68 13 00-0525 EA Sea Horse Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157292A).....	1,763.30	112.13
11 68 13 00-0526 EA Sea Horse Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157292B).....	1,966.20	112.13
11 68 13 00-0527 EA Dolphin Whimsy Riders, With Torsion Spring, SM (Landscape Structures® 157293A).....	1,693.06	112.13
11 68 13 00-0528 EA Dolphin Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157293B).....	1,888.16	112.13
11 68 13 00-0529 EA Kids In Motion, Wobble Pod Bouncer, (Direct Bury Only) (Landscape Structures® 158105A).....	1,755.49	112.13
11 68 13 00-0530 EA Chatter Noodle Kit, (2) Noodle Posts And Tubing, (Direct Bury Only) (Landscape Structures® 158106A).....	2,426.64	112.13
11 68 13 00-0531 EA 8" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108A).....	1,193.80	56.07
11 68 13 00-0532 EA 16" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108B).....	1,201.61	56.07
11 68 13 00-0533 EA 24" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108C).....	1,209.41	56.07
11 68 13 00-0534 EA Single, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426A).....	2,176.91	112.13
11 68 13 00-0535 EA Double, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426B).....	3,745.32	168.20

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0536 EA Triple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426C) .....	5,657.09	224.27
11 68 13 00-0537 EA Quadruple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426D).....	7,053.80	280.34
11 68 13 00-0538 EA 10", Pod Climber, One Pod Only (Landscape Structures® 158997A) .....	351.09	28.03
11 68 13 00-0539 EA 20", Pod Climber, One Pod Only (Landscape Structures® 158998A) .....	366.69	28.03
11 68 13 00-0540 EA CoolToppers Shade System, Super Pyramid, 30' x 30', 13'-9" Entrance Height, (Direct Bury Only) (Landscape Structures® 159873A) .....	12,352.11	448.54
11 68 13 00-0541 EA CoolToppers Shade System, Pyramid, 18' x 18', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881A) .....	6,531.14	224.27
11 68 13 00-0542 EA CoolToppers Shade System, Pyramid, 18' x 18', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881B) .....	6,741.64	280.34
11 68 13 00-0543 EA CoolToppers Shade System, Pyramid, 18' x 18', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881C) .....	6,850.89	280.34
11 68 13 00-0544 EA CoolToppers Shade System, Pyramid, 24' x 24', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882A) .....	8,333.65	280.34
11 68 13 00-0545 EA CoolToppers Shade System, Pyramid, 24' x 24', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882B) .....	8,442.91	280.34
11 68 13 00-0546 EA CoolToppers Shade System, Pyramid, 24' x 24', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882C) .....	8,567.77	280.34
11 68 13 00-0547 EA CoolToppers Shade System, Pyramid, 28' x 28', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883A) .....	10,588.81	336.40
11 68 13 00-0548 EA CoolToppers Shade System, Pyramid, 28' x 28', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883B) .....	10,713.67	336.40
11 68 13 00-0549 EA CoolToppers Shade System, Pyramid, 28' x 28', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883C) .....	10,830.73	336.40
11 68 13 00-0550 EA Stationary Cyclus, Pedals Only, With Grab Bar, With Aluminum Posts (Landscape Structures® 160055A) .....	1,989.61	112.13
11 68 13 00-0551 EA Stationary Cyclus, Handles Only, With Aluminum Posts (Landscape Structures® 160055B) .....	1,716.47	112.13
11 68 13 00-0552 EA Stationary Cyclus, Pedals And Handles, With Aluminum Posts (Landscape Structures® 160055C) .....	2,481.27	112.13
11 68 13 00-0553 EA Stationary Cyclus, Handles Only, Accessible, With Aluminum Posts (Landscape Structures® 160055D) .....	1,716.47	112.13
11 68 13 00-0554 EA Stationary Cyclus, Pedals Only, With Grab Bar, With Steel Posts (Landscape Structures® 160055E) .....	1,942.79	112.13
11 68 13 00-0555 EA Stationary Cyclus, Handles Only, With Steel Posts (Landscape Structures® 160055F) .....	1,669.65	112.13
11 68 13 00-0556 EA Stationary Cyclus, Pedals And Handles, With Steel Posts (Landscape Structures® 160055G) .....	2,434.44	112.13
11 68 13 00-0557 EA Stationary Cyclus, Handles Only, Accessible, With Steel Posts (Landscape Structures® 160055H) .....	1,669.65	112.13
11 68 13 00-0558 EA Single, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160315A) .....	2,910.29	168.20
11 68 13 00-0559 EA Single, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160315B) .....	2,863.46	168.20
11 68 13 00-0560 EA Double, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160316A) .....	4,993.75	224.27
11 68 13 00-0561 EA Double, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160316B) .....	4,946.92	224.27
11 68 13 00-0562 EA The Peak Natural Climber (Landscape Structures® 160418A) .....	7,225.48	280.34
11 68 13 00-0563 EA The Stepper Natural Climbing Stone (Landscape Structures® 160419A) .....	3,659.47	168.20
11 68 13 00-0564 EA Double Escalator Climber, Independent Climber, Steel Posts, (Direct Bury Only) (Landscape Structures® 160692A) .....	8,957.97	280.34
11 68 13 00-0565 EA HealthBeat Outdoor Fitness System, Chest/Back Press, Direct Bury (Landscape Structures® 161309A) .....	6,609.18	224.27
11 68 13 00-0566 EA HealthBeat Outdoor Fitness System, Chest/Back Press, Surface Mount (Landscape Structures® 161309B) .....	6,265.80	224.27
11 68 13 00-0567 EA HealthBeat Outdoor Fitness System, Squat Press, Direct Bury (Landscape Structures® 161310A) .....	6,609.18	224.27
11 68 13 00-0568 EA HealthBeat Outdoor Fitness System, Squat Press, Surface Mount (Landscape Structures® 161310B) .....	6,265.80	224.27
11 68 13 00-0569 EA HealthBeat Outdoor Fitness System, Tai Chi Wheels, Direct Bury (Landscape Structures® 161311A) .....	3,573.63	168.20
11 68 13 00-0570 EA HealthBeat Outdoor Fitness System, Tai Chi Wheels, Surface Mount (Landscape Structures® 161311B) .....	3,222.45	168.20
11 68 13 00-0571 EA HealthBeat Outdoor Fitness System, Cardio Stepper, Direct Bury (Landscape Structures® 161312A) .....	8,263.42	280.34
11 68 13 00-0572 EA HealthBeat Outdoor Fitness System, Cardio Stepper, Surface Mount (Landscape Structures® 161312B) .....	7,920.04	280.34
11 68 13 00-0573 EA HealthBeat Outdoor Fitness System, Pull-Up/Dip, Direct Bury (Landscape Structures® 161313A) .....	3,222.45	168.20
11 68 13 00-0574 EA HealthBeat Outdoor Fitness System, Pull-Up/Dip, Surface Mount (Landscape Structures® 161313B) .....	2,879.07	168.20
11 68 13 00-0575 EA HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Direct Bury (Landscape Structures® 161314A) .....	3,136.60	168.20
11 68 13 00-0576 EA HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Surface Mount (Landscape Structures® 161314B) .....	2,879.07	168.20
11 68 13 00-0577 EA HealthBeat Outdoor Fitness System, Balance Steps, Direct Bury (Landscape Structures® 161315A) .....	3,745.32	168.20
11 68 13 00-0578 EA HealthBeat Outdoor Fitness System, Balance Steps, Surface Mount (Landscape Structures® 161315B) .....	3,917.00	168.20
11 68 13 00-0579 EA HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Direct Bury (Landscape Structures® 161316A) .....	2,964.92	168.20
11 68 13 00-0580 EA HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Surface Mount (Landscape Structures® 161316B) .....	2,879.07	168.20
11 68 13 00-0581 EA HealthBeat Outdoor Fitness System, Plyometrics, Direct Bury (Landscape Structures® 161317A) .....	3,745.32	168.20
11 68 13 00-0582 EA HealthBeat Outdoor Fitness System, Plyometrics, Surface Mount (Landscape Structures® 161317B) .....	3,917.00	168.20
11 68 13 00-0583 EA HealthBeat Outdoor Fitness System, Welcome Intro Sign, Direct Bury (Landscape Structures® 161437A) .....	1,396.51	112.13
11 68 13 00-0584 EA HealthBeat Outdoor Fitness System, Welcome Intro Sign, Surface Mount (Landscape Structures® 161437B) .....	959.68	56.07
11 68 13 00-0585 EA Global Releaf Sign With Frame (Landscape Structures® 162617A) .....	858.23	56.07
11 68 13 00-0586 EA Single, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164074A) .....	1,107.96	56.07
11 68 13 00-0587 EA Single, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164074B) .....	1,412.12	112.13
11 68 13 00-0588 EA Double, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164075A) .....	2,137.89	112.13
11 68 13 00-0589 EA Double, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164075B) .....	2,293.97	112.13
11 68 13 00-0590 EA 16" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157A) .....	1,638.43	112.13
11 68 13 00-0591 EA 24" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157B) .....	1,654.04	112.13
<b>11 68 13 00-0592 Playground Equipment (Landscape Structures® PlayBooster®) (11 68 13 00-0122)</b>		
11 68 13 00-0593 EA 116" Aluminum Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273A) .....	1,529.18	112.13
11 68 13 00-0594 EA Log Roll, (1) Aluminum Post, Tan Log Only (Landscape Structures® PlayBooster® 111356A) .....	1,638.43	112.13
11 68 13 00-0595 EA Chinning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357A) .....	655.33	56.07
11 68 13 00-0596 EA Turning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357B) .....	624.11	56.07
11 68 13 00-0597 EA 182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403A) .....	499.36	28.03
11 68 13 00-0598 EA 174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403B) .....	491.56	28.03
11 68 13 00-0599 EA 166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403C) .....	468.15	28.03
11 68 13 00-0600 EA 158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403D) .....	460.34	28.03
11 68 13 00-0601 EA 150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403E) .....	436.93	28.03
11 68 13 00-0602 EA 142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403F) .....	429.13	28.03
11 68 13 00-0603 EA 134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403G) .....	413.52	28.03



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0604 EA 126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403H).....	405.71	28.03
11 68 13 00-0605 EA 118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403I).....	382.30	28.03
11 68 13 00-0606 EA 110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403J).....	374.50	28.03
11 68 13 00-0607 EA 148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404A).....	436.93	28.03
11 68 13 00-0608 EA 140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404B).....	421.32	28.03
11 68 13 00-0609 EA 132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404C).....	413.52	28.03
11 68 13 00-0610 EA 124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404D).....	405.71	28.03
11 68 13 00-0611 EA 116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404E).....	382.30	28.03
11 68 13 00-0612 EA 108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404F).....	374.50	28.03
11 68 13 00-0613 EA 100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404G).....	366.69	28.03
11 68 13 00-0614 EA 92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404H).....	351.09	28.03
11 68 13 00-0615 EA 84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404I).....	335.48	28.03
11 68 13 00-0616 EA 76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404J).....	312.07	28.03
11 68 13 00-0617 EA 106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405A).....	616.31	56.07
11 68 13 00-0618 EA 98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405B).....	592.90	56.07
11 68 13 00-0619 EA 90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405C).....	569.48	56.07
11 68 13 00-0620 EA 82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405D).....	507.17	28.03
11 68 13 00-0621 EA 74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405E).....	499.36	28.03
11 68 13 00-0622 EA 66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405F).....	483.75	28.03
11 68 13 00-0623 EA 58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405G).....	460.34	28.03
11 68 13 00-0624 EA 50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405H).....	452.54	28.03
11 68 13 00-0625 EA 42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405I).....	436.93	28.03
11 68 13 00-0626 EA ClouDirect Buryurst Triple Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 144414A).....	4,923.67	186.89
11 68 13 00-0627 EA TurboTwister Tunnel Slide, 96" Deck, Excludes Posts (Landscape Structures® PlayBooster® 123763A).....	6,358.44	504.61
11 68 13 00-0628 EA Double Poly Slide, 32" Deck (Landscape Structures® PlayBooster® 123331A).....	2,106.57	140.17
11 68 13 00-0629 EA Double Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123331B).....	2,332.89	140.17
11 68 13 00-0630 EA Double Swoosh Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 130390A).....	2,707.38	168.20
11 68 13 00-0631 EA 40" Deck, El Slide (Landscape Structures® PlayBooster® 126368A).....	3,300.53	158.86
11 68 13 00-0632 EA 48" Deck, El Slide (Landscape Structures® PlayBooster® 126368B).....	3,760.92	168.20
11 68 13 00-0633 EA 56" Deck, El Slide (Landscape Structures® PlayBooster® 126368C).....	3,979.44	168.20
11 68 13 00-0634 EA 64" Deck, El Slide (Landscape Structures® PlayBooster® 126368D).....	4,455.43	186.89
11 68 13 00-0635 EA 72" Deck, El Slide (Landscape Structures® PlayBooster® 126368E).....	4,666.14	186.89
11 68 13 00-0636 EA 96" Deck, El Slide, Excludes Posts (Landscape Structures® PlayBooster® 126368F).....	6,242.34	242.96
11 68 13 00-0637 EA Firepole With Permalene® Handholds 32"-48" Deck (Landscape Structures® PlayBooster® 148426A).....	975.09	112.13
11 68 13 00-0638 EA Firepole With Permalene® Handholds 56"-72" Deck (Landscape Structures® PlayBooster® 148426B).....	998.51	112.13
11 68 13 00-0639 EA Firepole With SteelX® Handholds 32"-48" Deck (Landscape Structures® PlayBooster® 148435A).....	1,318.47	112.13
11 68 13 00-0640 EA Firepole With SteelX® Handholds 56"-72" Deck (Landscape Structures® PlayBooster® 148435B).....	1,357.49	112.13
11 68 13 00-0641 EA 32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800A).....	4,985.54	336.40
11 68 13 00-0642 EA 40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800B).....	5,750.33	336.40
11 68 13 00-0643 EA 48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800C).....	6,195.16	336.40
11 68 13 00-0644 EA 56" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800D).....	7,318.53	448.54
11 68 13 00-0645 EA 64" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800E).....	7,498.02	448.54
11 68 13 00-0646 EA 72" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800F).....	8,762.27	448.54
11 68 13 00-0647 EA 96" Deck, Gemini SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 130800G).....	10,330.47	560.67
11 68 13 00-0648 EA 40" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333A).....	8,146.47	252.30
11 68 13 00-0649 EA 56" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333B).....	10,245.54	308.37
11 68 13 00-0650 EA Single Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123337A).....	1,794.51	112.13
11 68 13 00-0651 EA 32" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863A).....	2,379.62	168.20
11 68 13 00-0652 EA 40" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863B).....	2,652.76	168.20
11 68 13 00-0653 EA 48" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863C).....	2,957.11	168.20
11 68 13 00-0654 EA 56" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863D).....	3,354.91	224.27
11 68 13 00-0655 EA 64" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863E).....	3,495.38	224.27
11 68 13 00-0656 EA 72" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863F).....	3,994.84	224.27
11 68 13 00-0657 EA 96" Deck, SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 124863G).....	4,775.03	280.34
11 68 13 00-0658 EA 72" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033A).....	7,107.92	420.51
11 68 13 00-0659 EA 72" Slide, With Hanger Bracket, 64" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033B).....	7,381.21	383.13
11 68 13 00-0660 EA 56" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033C).....	6,452.39	420.51
11 68 13 00-0661 EA 56" Slide, With Hanger Bracket, 48" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033D).....	6,702.26	383.13
11 68 13 00-0662 EA 32" - 40" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340A).....	2,551.40	140.17
11 68 13 00-0663 EA 48" - 56" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340B).....	2,777.71	140.17
11 68 13 00-0664 EA 64" - 72" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340C).....	3,433.25	140.17
11 68 13 00-0665 EA 32" - 40" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945A).....	2,824.54	140.17
11 68 13 00-0666 EA 48" - 56" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945B).....	3,050.85	140.17
11 68 13 00-0667 EA 64" - 72" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945C).....	3,722.00	140.17
11 68 13 00-0668 EA 32" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367A).....	2,879.17	140.17
11 68 13 00-0669 EA 40" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367B).....	3,050.85	140.17
11 68 13 00-0670 EA 48" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367C).....	3,511.24	158.86
11 68 13 00-0671 EA 56" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367D).....	3,714.10	168.20
11 68 13 00-0672 EA 64" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367E).....	4,151.12	168.20
11 68 13 00-0673 EA 72" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367F).....	4,299.40	168.20
11 68 13 00-0674 EA 96" Deck, Tunnel Slide, Excludes Posts (Landscape Structures® PlayBooster® 126367G).....	5,672.70	224.27
11 68 13 00-0675 EA Step Deck, 16" - 32" Decks, Brown Only (Landscape Structures® PlayBooster® 111465A).....	1,029.92	56.07
11 68 13 00-0676 EA Sky Rail Climber, 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 146812A).....	1,818.03	84.10
11 68 13 00-0677 EA Stepping Block Climber, 32" Deck Height Difference (Landscape Structures® PlayBooster® 130742A).....	4,112.10	168.20
11 68 13 00-0678 EA 32" Deck, Block Climber (Landscape Structures® PlayBooster® 135344A).....	2,652.60	214.93
11 68 13 00-0679 EA 40" Deck, Block Climber (Landscape Structures® PlayBooster® 135344B).....	3,089.62	214.93
11 68 13 00-0680 EA 32" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491A).....	3,003.78	214.93
11 68 13 00-0681 EA 40" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491B).....	3,456.41	214.93
11 68 13 00-0682 EA Fish Net Climber, CableCore Climbing Cable, 16" - 32" Deck (Landscape Structures® PlayBooster® 126194A).....	3,261.51	158.86
11 68 13 00-0683 EA Wavy Web Climber, 48" - 56" Deck (Landscape Structures® PlayBooster® 126273A).....	3,199.04	168.20

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0684 EA Wavy Web Climber, 64" - 72" Deck (Landscape Structures® PlayBooster® 126273B).....	3,433.16	168.20
11 68 13 00-0685 EA Wavy Web Climber, 48" - 56" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442A).....	3,854.57	168.20
11 68 13 00-0686 EA Wavy Web Climber, 64" - 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442B).....	4,080.89	168.20
11 68 13 00-0687 EA Circus Ladder, CableCore Climbing Cable, 48" Deck (Landscape Structures® PlayBooster® 126272B).....	1,552.39	168.20
11 68 13 00-0688 EA Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck (Landscape Structures® PlayBooster® 126272C).....	1,638.24	168.20
11 68 13 00-0689 EA Circus Ladder, CableCore Climbing Cable, 72" Deck (Landscape Structures® PlayBooster® 126272D).....	1,747.49	168.20
11 68 13 00-0690 EA Circus Ladder, CableCore Climbing Cable, 32" - 40" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441A).....	2,114.28	168.20
11 68 13 00-0691 EA Circus Ladder, CableCore Climbing Cable, 48" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441B).....	2,200.12	168.20
11 68 13 00-0692 EA Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441C).....	2,309.38	168.20
11 68 13 00-0693 EA Circus Ladder, CableCore Climbing Cable, 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441D).....	2,395.22	168.20
11 68 13 00-0694 EA Spider Web Climber, 16" - 32" Decks (Direct Bury Only) (Landscape Structures® PlayBooster® 136158A).....	3,432.95	224.27
11 68 13 00-0695 EA Chimney Climber, 56" - 64" Deck (Landscape Structures® PlayBooster® 153617A).....	4,416.25	224.27
11 68 13 00-0696 EA Chimney Climber, 72" Deck (Landscape Structures® PlayBooster® 153617B).....	4,993.75	224.27
11 68 13 00-0697 EA Chimney Climb Across, Straight, 72" To 72" Deck Or 64" To 64" Deck (Landscape Structures® PlayBooster® 155042A).....	6,250.19	224.27
11 68 13 00-0698 EA Chimney Climb Across, Straight, 56" To 56" Deck (Landscape Structures® PlayBooster® 155042B).....	5,641.48	224.27
11 68 13 00-0699 EA Chimney Climb Across, Straight, 48" To 48" Deck Or 40" To 40" Deck (Landscape Structures® PlayBooster® 155042C).....	4,993.75	224.27
11 68 13 00-0700 EA Chimney Climb Across, Straight, 32" To 32" Deck (Landscape Structures® PlayBooster® 155042D).....	4,322.60	224.27
11 68 13 00-0701 EA Chimney Climb Across, 24" Difference, 72" To 48" Deck Or 64" To 40" Deck (Landscape Structures® PlayBooster® 155043A).....	6,016.07	224.27
11 68 13 00-0702 EA Chimney Climb Across, 24" Difference, 56" To 32" Deck (Landscape Structures® PlayBooster® 155043B).....	5,641.48	224.27
11 68 13 00-0703 EA Chimney Climb Across, 24" Difference, 48" To 24" Deck (Landscape Structures® PlayBooster® 155043C).....	5,266.89	224.27
11 68 13 00-0704 EA 48" - 56" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975A).....	2,652.76	168.20
11 68 13 00-0705 EA 64" - 72" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975B).....	3,440.96	168.20
11 68 13 00-0706 EA 24" Deck Height Difference, Catwalk Climber (Landscape Structures® PlayBooster® 128986A).....	2,067.55	140.17
11 68 13 00-0707 EA 48" - 56" Deck, Centipede Climber (Landscape Structures® PlayBooster® 123291A).....	1,771.05	130.83
11 68 13 00-0708 EA 48" - 56" Deck, 90 Degree Tri-Deck, Centipede Climber (Landscape Structures® PlayBooster® 126376A).....	2,379.76	130.83
11 68 13 00-0709 EA 48" - 56" Deck, SteelX, Centipede Climber (Landscape Structures® PlayBooster® 139496A).....	2,106.62	130.83
11 68 13 00-0710 EA 40" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352A).....	1,872.45	140.17
11 68 13 00-0711 EA 48" - 56" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352B).....	1,966.10	140.17
11 68 13 00-0712 EA 64" - 72" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352C).....	2,044.14	140.17
11 68 13 00-0713 EA 40" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350A).....	1,185.70	140.17
11 68 13 00-0714 EA 48" - 56" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350B).....	1,248.13	140.17
11 68 13 00-0715 EA 64" - 72" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350C).....	1,349.58	140.17
11 68 13 00-0716 EA 40" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351A).....	1,521.27	140.17
11 68 13 00-0717 EA 48" - 56" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351B).....	1,583.70	140.17
11 68 13 00-0718 EA 64" - 72" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351C).....	1,669.55	140.17
11 68 13 00-0719 EA 48" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570A).....	2,044.14	140.17
11 68 13 00-0720 EA 56" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570B).....	2,059.75	140.17
11 68 13 00-0721 EA 64" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570C).....	2,426.53	140.17
11 68 13 00-0722 EA 72" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570D).....	2,442.14	140.17
11 68 13 00-0723 EA 48" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501A).....	2,371.91	140.17
11 68 13 00-0724 EA 56" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501B).....	2,410.93	140.17
11 68 13 00-0725 EA 64" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501C).....	2,777.71	140.17
11 68 13 00-0726 EA 72" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501D).....	2,801.13	140.17
11 68 13 00-0727 EA 72" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199A).....	4,650.48	196.24
11 68 13 00-0728 EA 40" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199B).....	3,807.64	196.24
11 68 13 00-0729 EA 32" - 48" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432A).....	1,334.08	112.13
11 68 13 00-0730 EA 56" - 72" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432B).....	1,505.77	112.13
11 68 13 00-0731 EA 32" - 48" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437A).....	1,677.45	112.13
11 68 13 00-0732 EA 56" - 72" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437B).....	1,895.97	112.13
11 68 13 00-0733 EA 64" - 72" Deck, Corner Climber (Landscape Structures® PlayBooster® 143198A).....	4,541.02	252.30
11 68 13 00-0734 EA SpaceLink Climber, Net Climber, 72" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145106A).....	6,258.51	84.10
11 68 13 00-0735 EA Manta Ray Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108A).....	6,203.37	224.27
11 68 13 00-0736 EA Manta Ray Climber, Net Climber, 56" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108B).....	6,203.37	224.27
11 68 13 00-0737 EA Manta Ray Climber, 64" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108C).....	6,203.37	224.27
11 68 13 00-0738 EA SpaceLink Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145240A).....	6,258.51	84.10
11 68 13 00-0739 EA Star Seeker Climber, Net Climber, 72" Deck (Attaches To Square Decks Only, Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 148039A).....	3,948.42	112.13
11 68 13 00-0740 EA SpaceWalk Climber, Net Climber, Deck-To-Deck, 32" - 48" Deck (Landscape Structures® PlayBooster® 145107A).....	8,084.54	112.13
11 68 13 00-0741 EA Funnel Climber, Net Climber (Landscape Structures® PlayBooster® 145109A).....	4,471.18	140.17
11 68 13 00-0742 EA Funnel Climber, Short Brace, Net Climber (Landscape Structures® PlayBooster® 145248A).....	202.81	28.03
11 68 13 00-0743 EA Funnel Climber, Long Brace, Net Climber (Landscape Structures® PlayBooster® 145249A).....	234.03	28.03
11 68 13 00-0744 EA Funnel Climber, Vertical Ladder, Net Climber (Landscape Structures® PlayBooster® 145250A).....	881.76	28.03
11 68 13 00-0745 EA Funnel Climber, Handhold Panels, Net Climber (Landscape Structures® PlayBooster® 145251A).....	312.07	28.03
11 68 13 00-0746 EA 40" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293A).....	2,777.62	168.20
11 68 13 00-0747 EA 48" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293B).....	2,980.52	168.20
11 68 13 00-0748 EA 40" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374A).....	3,121.00	168.20
11 68 13 00-0749 EA 48" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374B).....	3,409.74	168.20
11 68 13 00-0750 EA 40" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500A).....	3,121.00	168.20
11 68 13 00-0751 EA 48" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500B).....	3,347.31	168.20



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0752 EA 1-Step With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907A).....	1,560.50	84.10
11 68 13 00-0753 EA 2-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907B).....	2,216.03	84.10
11 68 13 00-0754 EA 3-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907C).....	2,879.37	84.10
11 68 13 00-0755 EA 4-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907D).....	3,534.91	84.10
11 68 13 00-0756 EA 1-Step With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908A).....	1,505.87	84.10
11 68 13 00-0757 EA 2-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908B).....	1,724.38	84.10
11 68 13 00-0758 EA 3-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908C).....	1,950.70	84.10
11 68 13 00-0759 EA 4-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908D).....	2,044.35	84.10
11 68 13 00-0760 EA 1-Step With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910A).....	1,802.42	84.10
11 68 13 00-0761 EA 2-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910B).....	2,036.54	84.10
11 68 13 00-0762 EA 3-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910C).....	2,255.05	84.10
11 68 13 00-0763 EA 4-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910D).....	2,473.57	84.10
11 68 13 00-0764 EA 48" To 48" Deck Or 56" To 56" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916A).....	4,268.08	196.24
11 68 13 00-0765 EA 64" To 64" Deck Or 72" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916B).....	4,377.34	196.24
11 68 13 00-0766 EA 48" To 64" Deck Or 56" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916C).....	4,314.90	196.24
11 68 13 00-0767 EA 48" To 48" Deck Or 56" To 56" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488A).....	4,962.64	196.24
11 68 13 00-0768 EA 64" To 64" Deck Or 72" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488B).....	5,071.89	196.24
11 68 13 00-0769 EA 48" To 64" Deck Or 56" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488C).....	5,025.07	196.24
11 68 13 00-0770 EA 40" - 48" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914A).....	1,653.94	140.17
11 68 13 00-0771 EA 56" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914B).....	1,817.82	140.17
11 68 13 00-0772 EA 64" - 72" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914C).....	1,989.51	140.17
11 68 13 00-0773 EA 40" - 48" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688A).....	2,137.69	168.20
11 68 13 00-0774 EA 56" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688B).....	2,309.38	168.20
11 68 13 00-0775 EA 64" - 72" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688C).....	2,473.26	168.20
11 68 13 00-0776 EA 40" - 48" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493A).....	1,997.31	140.17
11 68 13 00-0777 EA 56" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493B).....	2,153.39	140.17
11 68 13 00-0778 EA 64" - 72" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493C).....	2,332.89	140.17
11 68 13 00-0779 EA 40" - 48" Deck, Loop Ladder (Landscape Structures® PlayBooster® 128252A).....	1,146.78	112.13
11 68 13 00-0780 EA 40" - 48" Deck, SteelX, Loop Ladder (Landscape Structures® PlayBooster® 139495A).....	1,490.16	112.13
11 68 13 00-0781 EA 32" - 48" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434A).....	1,334.08	112.13
11 68 13 00-0782 EA 56" - 72" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434B).....	1,443.33	112.13
11 68 13 00-0783 EA 32" - 48" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438A).....	1,677.45	112.13
11 68 13 00-0784 EA 56" - 72" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438B).....	1,771.10	112.13
11 68 13 00-0785 EA 24" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247A).....	990.86	74.76
11 68 13 00-0786 EA 32" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247B).....	1,092.31	74.76
11 68 13 00-0787 EA 40" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247C).....	1,217.17	74.76
11 68 13 00-0788 EA 48" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247D).....	1,459.05	84.10
11 68 13 00-0789 EA 56" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247E).....	1,646.34	84.10
11 68 13 00-0790 EA 64" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247F).....	1,818.03	84.10
11 68 13 00-0791 EA 72" Deck-To-Ground, Panel Vertical Ladder (Landscape Structures® PlayBooster® 116247G).....	2,052.15	84.10
11 68 13 00-0792 EA 48" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915A).....	2,137.99	84.10
11 68 13 00-0793 EA 64" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915B).....	2,216.03	84.10
11 68 13 00-0794 EA 48" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487A).....	2,481.37	84.10
11 68 13 00-0795 EA 64" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487B).....	2,567.21	84.10
11 68 13 00-0796 EA 48" - 56" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913A).....	2,114.37	140.17
11 68 13 00-0797 EA 64" - 72" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913B).....	2,215.83	140.17
11 68 13 00-0798 EA 48" - 56" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375A).....	2,894.68	168.20
11 68 13 00-0799 EA 64" - 72" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375B).....	3,019.54	168.20
11 68 13 00-0800 EA 48" - 56" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490A).....	2,457.75	140.17
11 68 13 00-0801 EA 64" - 72" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490B).....	2,551.40	140.17
11 68 13 00-0802 EA 32" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533A).....	1,123.37	112.13
11 68 13 00-0803 EA 40" - 48" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533B).....	1,505.77	112.13
11 68 13 00-0804 EA 56" - 64" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533C).....	1,895.91	130.83
11 68 13 00-0805 EA 72" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533D).....	2,286.11	130.83
11 68 13 00-0806 EA 32" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246A).....	1,825.73	112.13
11 68 13 00-0807 EA 40" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246B).....	1,942.79	112.13
11 68 13 00-0808 EA 48" - 56" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246C).....	2,215.93	112.13
11 68 13 00-0809 EA 64" - 72" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246D).....	2,489.07	112.13
11 68 13 00-0810 EA 32" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492A).....	2,176.91	112.13
11 68 13 00-0811 EA 40" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492B).....	2,286.17	112.13
11 68 13 00-0812 EA 48" - 56" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492C).....	2,559.31	112.13
11 68 13 00-0813 EA 64" - 72" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492D).....	2,840.25	112.13
11 68 13 00-0814 EA Mini Summit Climber 40"-48" Decks (Landscape Structures® PlayBooster® 153076A).....	1,358.85	168.20
11 68 13 00-0815 EA 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 128608A).....	1,599.41	112.13
11 68 13 00-0816 EA PlayOdyssey 72" Deck (Landscape Structures® PlayBooster® 129453A).....	1,755.30	168.20
11 68 13 00-0817 EA 48" Deck-To-Ground, Thunderhead Climber With Aluminum Posts (Landscape Structures® PlayBooster® 139778A).....	7,139.04	448.54
11 68 13 00-0818 EA 48" Deck-To-Ground, Thunderhead Climber With Steel Posts (Landscape Structures® PlayBooster® 139778B).....	7,139.04	448.54
11 68 13 00-0819 EA 48" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624A).....	1,427.73	112.13
11 68 13 00-0820 EA 56" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624B).....	1,427.73	112.13
11 68 13 00-0821 EA 64" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624C).....	1,576.00	112.13
11 68 13 00-0822 EA 72" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624D).....	1,576.00	112.13
11 68 13 00-0823 EA 24" - 32" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249A).....	920.57	84.10

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0824 EA 40" - 48" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249B).....	990.81	84.10
11 68 13 00-0825 EA 56" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249C).....	1,037.63	84.10
11 68 13 00-0826 EA 64" - 72" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249D).....	1,100.06	84.10
11 68 13 00-0827 EA 24" - 32" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372A).....	1,443.44	84.10
11 68 13 00-0828 EA 40" - 48" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372B).....	1,505.87	84.10
11 68 13 00-0829 EA 56" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372C).....	1,560.50	84.10
11 68 13 00-0830 EA 64" - 72" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372D).....	1,630.73	84.10
11 68 13 00-0831 EA 24" - 32" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494A).....	1,256.14	84.10
11 68 13 00-0832 EA 40" - 48" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494B).....	1,302.97	84.10
11 68 13 00-0833 EA 56" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494C).....	1,373.20	84.10
11 68 13 00-0834 EA 64" - 72" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494D).....	1,443.44	84.10
11 68 13 00-0835 EA 56" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284D).....	1,068.64	140.17
11 68 13 00-0836 EA 64" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284E).....	1,107.66	140.17
11 68 13 00-0837 EA 72" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284F).....	1,177.89	140.17
11 68 13 00-0838 EA 32" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371A).....	1,490.05	140.17
11 68 13 00-0839 EA 40" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371B).....	1,552.49	140.17
11 68 13 00-0840 EA 48" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371C).....	1,599.31	140.17
11 68 13 00-0841 EA 56" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371D).....	1,653.94	140.17
11 68 13 00-0842 EA 64" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371E).....	1,708.57	140.17
11 68 13 00-0843 EA 72" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371F).....	1,763.19	140.17
11 68 13 00-0844 EA 32" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502A).....	1,248.13	140.17
11 68 13 00-0845 EA 40" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502B).....	1,310.56	140.17
11 68 13 00-0846 EA 48" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502C).....	1,349.58	140.17
11 68 13 00-0847 EA 56" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502D).....	1,388.60	140.17
11 68 13 00-0848 EA 64" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502E).....	1,435.43	140.17
11 68 13 00-0849 EA 72" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502F).....	1,505.66	140.17
11 68 13 00-0850 EA Overhead Events Air Dancer Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 121952A).....	2,137.89	112.13
11 68 13 00-0851 EA Overhead Events Swing Out Overhead Event, 16" Deck Height Only (Landscape Structures® PlayBooster® 120872A).....	1,505.87	84.10
11 68 13 00-0852 EA Overhead Events Triple Ring Fling Overhead Event, 24" Or 32" Deck-To-Ground (Landscape Structures® PlayBooster® 123824A).....	3,019.54	168.20
11 68 13 00-0853 EA Overhead Events Ring Pull, Brown Rings Only, Intended For Wheelchair Users (Landscape Structures® PlayBooster® 130873A).....	756.78	56.07
11 68 13 00-0854 EA Overhead Events 90 Degree Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142890A).....	2,137.89	112.13
11 68 13 00-0855 EA Overhead Events Circular Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142891A).....	3,846.77	168.20
11 68 13 00-0856 EA Overhead Events C-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142883A).....	3,050.85	140.17
11 68 13 00-0857 EA Overhead Events Ring-a-Ling Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 126203A).....	2,894.68	168.20
11 68 13 00-0858 EA Overhead Events Wave Net, CableCore Climbing Cable, Max. 32" Decks (Landscape Structures® PlayBooster® 126274A).....	3,238.15	140.17
11 68 13 00-0859 EA Overhead Events Trapeze Horizontal Ladder, 18" Wide, Max. 32" Decks (Landscape Structures® PlayBooster® 111468A).....	2,090.96	140.17
11 68 13 00-0860 EA Overhead Events Inclined Horizontal Ladder, 16" - 32" Decks, 16" Incline (Landscape Structures® PlayBooster® 142889A).....	1,326.47	56.07
11 68 13 00-0861 EA Overhead Events Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142887A).....	1,295.26	56.07
11 68 13 00-0862 EA Overhead Events Overhead Parallel Bars, Max. 32" Decks (Landscape Structures® PlayBooster® 119430A).....	1,365.49	56.07
11 68 13 00-0863 EA Overhead Events Horizontal Ladder, 84" Module, Max. 16" Decks, 12" Max. Rung Spacing (Landscape Structures® PlayBooster® 139782A).....	1,053.33	56.07
11 68 13 00-0864 EA Overhead Events Wave Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 119613A).....	1,459.14	56.07
11 68 13 00-0865 EA Overhead Events Single Beam Loop Horizontal Ladder, 84" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119805A).....	1,170.39	56.07
11 68 13 00-0866 EA Overhead Events Single Beam Loop Horizontal Ladder, 123" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119806A).....	1,490.36	56.07
11 68 13 00-0867 EA Overhead Events S-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142884A).....	3,050.85	140.17
11 68 13 00-0868 EA Overhead Events Single S-Parallel Bar, Max. 32" Decks (Landscape Structures® PlayBooster® 119979A).....	1,295.26	56.07
11 68 13 00-0869 EA Overhead Events Wiggle Ring Bridge, Max. 32" Decks (Landscape Structures® PlayBooster® 148639A).....	2,239.65	28.03
11 68 13 00-0870 EA Overhead Events S-Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467A).....	1,919.48	84.10
11 68 13 00-0871 EA Overhead Events Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467B).....	1,700.97	84.10
11 68 13 00-0872 EA 116" Steel Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273B).....	1,458.94	112.13
11 68 13 00-0873 EA 132" Steel Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208B).....	1,536.98	112.13
11 68 13 00-0874 EA 10' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 111353A).....	2,871.47	112.13
11 68 13 00-0875 EA 18' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 112465A).....	3,230.45	112.13
11 68 13 00-0876 EA 16" - 24" Decks, Spring Across Bridge (Landscape Structures® PlayBooster® 136156A).....	4,104.00	252.30
11 68 13 00-0877 EA 90 Degree, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120211A).....	5,219.86	280.34
11 68 13 00-0878 EA C Or S, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120689A).....	11,305.97	560.67
11 68 13 00-0879 EA 16"-32" Deck, Pod Bridge, Direct Bury (Landscape Structures® PlayBooster® 127234A).....	6,195.16	336.40
11 68 13 00-0880 EA 42" Module, Arch Bridge, Permalene Barrier, Bridge Plank (Landscape Structures® PlayBooster® 114665A).....	2,458.05	56.07
11 68 13 00-0881 EA 42" Module, Arch Bridge, SteelX, Bridge Plank (Landscape Structures® PlayBooster® 139383A).....	2,621.94	56.07
11 68 13 00-0882 EA 123" Module, Arch Bridge With Guardrail, Max. 40" Decks (Landscape Structures® PlayBooster® 143677A).....	4,783.34	140.17
11 68 13 00-0883 EA 123" Module, Arch Bridge With Barrier, Max. 72" Decks (Landscape Structures® PlayBooster® 143677B).....	6,164.65	140.17
11 68 13 00-0884 EA 42" Module, Belt Bridge, Permalene Barrier (Landscape Structures® PlayBooster® 114373A).....	2,504.78	84.10
11 68 13 00-0885 EA 84" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120310A).....	3,784.13	224.27
11 68 13 00-0886 EA 123" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120624A).....	4,377.23	224.27
11 68 13 00-0887 EA Bridge/Ramp Transition Bracket, Brown Only (Landscape Structures® PlayBooster® 111345A).....	374.50	28.03
11 68 13 00-0888 EA Ramp Exit/Wall Mount Plate, Surface Mount, Brown Only (Landscape Structures® PlayBooster® 111346A).....	561.59	84.10



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0889 EA Ramp Exit Plate, Direct Bury, Brown Only (Landscape Structures® PlayBooster® 111346B).....	686.45	84.10
11 68 13 00-0890 EA Ramp Berm Exit Plate, Brown Only (Landscape Structures® PlayBooster® 120325A).....	545.98	84.10
11 68 13 00-0891 EA 84" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143194A).....	4,088.69	168.20
11 68 13 00-0892 EA 123" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143195A).....	5,181.15	196.24
11 68 13 00-0893 EA 84" Module, Clatterbridge, Brown Planks Only, With Barrier For 24"-72" Decks (Landscape Structures® PlayBooster® 147424A).....	5,875.81	168.20
11 68 13 00-0894 EA 123" Module, Clatterbridge, Brown Planks Only, With Barrier For 24"-72" Decks (Landscape Structures® PlayBooster® 147425A).....	7,186.88	168.20
11 68 13 00-0895 EA 84" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 120873A).....	3,557.21	392.47
11 68 13 00-0896 EA 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 121416A).....	4,930.50	448.54
11 68 13 00-0897 EA S-Disc Challenge, 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 136157A).....	4,930.50	448.54
11 68 13 00-0898 EA 16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Barriers (Landscape Structures® PlayBooster® 152443A).....	3,667.67	56.07
11 68 13 00-0899 EA 16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Guardrails (Landscape Structures® PlayBooster® 152444A).....	2,395.62	56.07
11 68 13 00-0900 EA Wire Crawl Tunnel (Landscape Structures® PlayBooster® 119641A).....	2,754.10	196.24
11 68 13 00-0901 EA 64" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204B).....	3,050.96	112.13
11 68 13 00-0902 EA 90 Degree Curved, 8" - 72" Deck, Crawl Tunnel (Landscape Structures® PlayBooster® 142892A).....	3,620.65	112.13
11 68 13 00-0903 EA 32" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204A).....	2,332.99	112.13
11 68 13 00-0904 EA C-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088A).....	5,953.64	224.27
11 68 13 00-0905 EA S-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088B).....	5,953.64	224.27
11 68 13 00-0906 EA C-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089A).....	5,953.64	224.27
11 68 13 00-0907 EA S-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089B).....	5,953.64	224.27
11 68 13 00-0908 EA 24" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 129042A).....	3,807.64	196.24
11 68 13 00-0909 EA 8" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 119930A).....	3,370.62	196.24
11 68 13 00-0910 EA 16" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 122589A).....	3,479.88	196.24
11 68 13 00-0911 EA Math Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115232A).....	1,864.91	74.76
11 68 13 00-0912 EA Spelling Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115233A).....	1,771.26	74.76
11 68 13 00-0913 EA Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 117146A).....	2,091.26	56.07
11 68 13 00-0914 EA Hourglass Panel, Enclosure (Landscape Structures® PlayBooster® 123319A).....	1,615.22	56.07
11 68 13 00-0915 EA Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayBooster® 127681A).....	1,552.75	74.76
11 68 13 00-0916 EA Slant Window Panel, Enclosure (Landscape Structures® PlayBooster® 115222A).....	1,435.69	74.76
11 68 13 00-0917 EA Bubble Panel, Enclosure (Landscape Structures® PlayBooster® 115223A).....	951.88	56.07
11 68 13 00-0918 EA Puppet Panel, Enclosure (Landscape Structures® PlayBooster® 115225A).....	702.15	56.07
11 68 13 00-0919 EA Zoo Panel, Enclosure (Landscape Structures® PlayBooster® 115227A).....	709.96	56.07
11 68 13 00-0920 EA Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115236A).....	1,365.49	56.07
11 68 13 00-0921 EA Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 127678A).....	1,107.92	74.76
11 68 13 00-0922 EA Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115229A).....	850.43	56.07
11 68 13 00-0923 EA Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115230A).....	850.43	56.07
11 68 13 00-0924 EA Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115234A).....	1,295.26	56.07
11 68 13 00-0925 EA Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 119514A).....	1,240.63	56.07
11 68 13 00-0926 EA Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123483A).....	1,466.94	56.07
11 68 13 00-0927 EA Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123844A).....	1,747.89	56.07
11 68 13 00-0928 EA Chimes Panel, Enclosure (Landscape Structures® PlayBooster® 115243A).....	1,615.22	56.07
11 68 13 00-0929 EA Puppet Panel With Window Above Deck, Enclosure (Landscape Structures® PlayBooster® 115226A).....	866.04	56.07
11 68 13 00-0930 EA Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240A).....	1,451.24	84.10
11 68 13 00-0931 EA Balcony Deck, With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240B).....	1,669.75	84.10
11 68 13 00-0932 EA Driver Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139382A).....	1,053.33	56.07
11 68 13 00-0933 EA Driver Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139382B).....	1,217.22	56.07
11 68 13 00-0934 EA Driver Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115228A).....	975.29	56.07
11 68 13 00-0935 EA Storefront Panel, SteelX, Ground-Level Panel (Landscape Structures® PlayBooster® 139378A).....	819.21	56.07
11 68 13 00-0936 EA Hole Panel (SteelX®), Ground-Level Panel (Landscape Structures® PlayBooster® 139381A).....	780.19	56.07
11 68 13 00-0937 EA Slant Entrance Panel, 24" Diameter, Ground-Level Panel (Landscape Structures® PlayBooster® 115242A).....	1,341.93	102.79
11 68 13 00-0938 EA Sand And Water Panel, Ground-Level Panel, Tan Dish Only (Landscape Structures® PlayBooster® 115257A).....	1,802.42	84.10
11 68 13 00-0939 EA Table Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 130565A).....	1,224.98	74.76
11 68 13 00-0940 EA Hole Panel (Permalene®), Ground-Level Panel (Landscape Structures® PlayBooster® 115253A).....	702.15	56.07
11 68 13 00-0941 EA Storefront Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 115254A).....	725.56	56.07
11 68 13 00-0942 EA 2 Panels, Handhold Panel (Landscape Structures® PlayBooster® 127953A).....	351.09	28.03
11 68 13 00-0943 EA 1 Panel, Handhold Panel (Landscape Structures® PlayBooster® 127953B).....	176.32	18.69
11 68 13 00-0944 EA House Panel (SteelX®) Above Deck (Landscape Structures® PlayBooster® 139380A).....	920.72	46.73
11 68 13 00-0945 EA House Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139380B).....	1,100.16	56.07
11 68 13 00-0946 EA House Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115235A).....	795.80	56.07
11 68 13 00-0947 EA Periscope Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139379A).....	2,005.42	56.07
11 68 13 00-0948 EA Periscope Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 117957A).....	1,747.89	56.07
11 68 13 00-0949 EA Periscope Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139379B).....	2,184.91	56.07
11 68 13 00-0950 EA Pipe Barrier Above Deck, Without Wheel (Landscape Structures® PlayBooster® 116244A).....	725.56	56.07
11 68 13 00-0951 EA Pipe Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680A).....	780.15	74.76
11 68 13 00-0952 EA Pipe Barrier Above Deck, With Wheel (Landscape Structures® PlayBooster® 116244B).....	928.47	56.07
11 68 13 00-0953 EA Pipe Barrier, With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680B).....	998.66	74.76
11 68 13 00-0954 EA Pipe Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921A).....	772.39	56.07
11 68 13 00-0955 EA Pipe Barrier, With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921B).....	990.90	56.07
11 68 13 00-0956 EA Pipe Guardrail (Landscape Structures® PlayBooster® 116245A).....	624.11	56.07
11 68 13 00-0957 EA Pipe Guardrail, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117681A).....	795.76	74.76

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0958 EA Wheelchair Accessible Navigator Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127439A).....	756.89	28.03
11 68 13 00-0959 EA Wheelchair Accessible Trail Tracker Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127440A).....	542.67	28.03
11 68 13 00-0960 EA Wheelchair Accessible Image Reach Panel, 75 Play Blocks (Landscape Structures® PlayBooster® 129043A).....	991.01	28.03
11 68 13 00-0961 EA Wheelchair Accessible Periscope Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135729A).....	1,677.70	46.73
11 68 13 00-0962 EA Wheelchair Accessible Match 3 Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135730A).....	905.11	46.73
11 68 13 00-0963 EA Wheelchair Accessible Chimes Reach Panel (Landscape Structures® PlayBooster® 135731A).....	1,381.15	46.73
11 68 13 00-0964 EA Recycled Poly Wall (Landscape Structures® PlayBooster® 111267A).....	1,037.72	56.07
11 68 13 00-0965 EA Recycled Poly Wall, With Wheel (Landscape Structures® PlayBooster® 111267B).....	1,264.04	56.07
11 68 13 00-0966 EA Tic-Tac-Toe Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139377A).....	2,543.90	56.07
11 68 13 00-0967 EA Tic-Tac-Toe Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139377B).....	2,738.95	74.76
11 68 13 00-0968 EA Tic-Tac-Toe Panel, Above Deck, Tan Discs Only (Landscape Structures® PlayBooster® 115231A).....	1,584.00	56.07
11 68 13 00-0969 EA Wire Barrier (Landscape Structures® PlayBooster® 120314A).....	811.37	74.76
11 68 13 00-0970 EA Wire Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315A).....	983.05	74.76
11 68 13 00-0971 EA Wire Barrier With Wheel (Landscape Structures® PlayBooster® 120314B).....	1,037.68	74.76
11 68 13 00-0972 EA Wire Barrier With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315B).....	1,209.37	74.76
11 68 13 00-0973 EA Wire Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921C).....	866.04	56.07
11 68 13 00-0974 EA Wire Barrier With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921D).....	1,092.35	56.07
11 68 13 00-0975 EA Loop Seats (Landscape Structures® PlayBooster® 118089A).....	546.19	28.03
11 68 13 00-0976 EA Grab Bar, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120901A).....	210.66	18.69
11 68 13 00-0977 EA Handhold/Leg Lift, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120902A).....	234.07	18.69
11 68 13 00-0978 EA Handloop Assembly (Landscape Structures® PlayBooster® 111275A).....	304.20	46.73
11 68 13 00-0979 EA Rail Assembly (Landscape Structures® PlayBooster® 111276A).....	296.40	46.73
11 68 13 00-0980 EA Log Roll, (1) Steel Post, Tan Log Only (Landscape Structures® PlayBooster® 111356B).....	1,576.05	102.79
11 68 13 00-0981 EA Chinning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357C).....	678.65	84.10
11 68 13 00-0982 EA Turning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357D).....	631.82	84.10
11 68 13 00-0983 EA Parallel Bars, Without Posts (Landscape Structures® PlayBooster® 111361A).....	811.41	56.07
11 68 13 00-0984 EA Orbiter Spinner, (Requires Steel Post, Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 153590A).....	2,169.21	84.10
11 68 13 00-0985 EA 48" Deck, Talk Tubes For PlayOdyssey Pod, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079A).....	764.70	28.03
11 68 13 00-0986 EA 72" Deck, Talk Tubes For PlayOdyssey Pod, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079B).....	811.52	28.03
11 68 13 00-0987 EA Ground Level, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363A).....	577.40	28.03
11 68 13 00-0988 EA 16" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363B).....	585.21	28.03
11 68 13 00-0989 EA 24" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363C).....	593.01	28.03
11 68 13 00-0990 EA 32" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363D).....	600.81	28.03
11 68 13 00-0991 EA 40" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363E).....	608.62	28.03
11 68 13 00-0992 EA 48" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363F).....	624.23	28.03
11 68 13 00-0993 EA 56" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363G).....	632.03	28.03
11 68 13 00-0994 EA 64" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363H).....	647.64	28.03
11 68 13 00-0995 EA 72" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363I).....	655.44	28.03
11 68 13 00-0996 EA Arch Roof, (Excludes Arches) (Landscape Structures® PlayBooster® 111256A).....	905.17	28.03
11 68 13 00-0997 EA Recycled 2x4 Roof (Landscape Structures® PlayBooster® 111260A).....	2,754.00	224.27
11 68 13 00-0998 EA Recycled Peak Roof (Landscape Structures® PlayBooster® 111408A).....	3,869.97	224.27
11 68 13 00-0999 EA Hex Shingle Roof (Landscape Structures® PlayBooster® 130567A).....	3,175.62	168.20
11 68 13 00-1000 EA Square SteelX Roof (Landscape Structures® PlayBooster® 139375A).....	3,386.33	168.20
11 68 13 00-1001 EA Hex SteelX Roof (Landscape Structures® PlayBooster® 139376A).....	5,274.80	196.24
11 68 13 00-1002 EA Flag Pole With Permalene Flag (For SteelX Hex Roof Or SteelX Square Roof Only) (Landscape Structures® PlayBooster® 139464A).....	327.72	18.69
11 68 13 00-1003 EA Full Sail, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 136488A).....	13,069.27	672.81
11 68 13 00-1004 EA Single Post Shade, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 154884A).....	4,321.39	560.67
11 68 13 00-1005 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980A).....	22,370.41	1,009.21
11 68 13 00-1006 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980B).....	17,477.31	1,009.21
11 68 13 00-1007 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980C).....	16,533.02	1,009.21
11 68 13 00-1008 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980D).....	22,503.08	1,009.21
11 68 13 00-1009 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980E).....	17,609.97	1,009.21
11 68 13 00-1010 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980F).....	16,673.49	1,009.21
11 68 13 00-1011 EA Square Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111228A).....	1,146.98	56.07
11 68 13 00-1012 EA Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 111229A).....	1,100.16	56.07
11 68 13 00-1013 EA Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayBooster® 111230A).....	1,068.94	56.07
11 68 13 00-1014 EA Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111231A).....	866.15	28.03
11 68 13 00-1015 EA Hexagon Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111232A).....	3,238.15	140.17
11 68 13 00-1016 EA Triangular Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 119646A).....	858.28	46.73
11 68 13 00-1017 EA 90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 122197A).....	920.78	28.03
11 68 13 00-1018 EA Transfer Step, Brown Only (Landscape Structures® PlayBooster® 112471A).....	647.52	56.07
11 68 13 00-1019 EA 24" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525A).....	522.71	46.73
11 68 13 00-1020 EA 32" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525B).....	647.58	46.73
11 68 13 00-1021 EA To 32" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911A).....	2,816.43	224.27





<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1022 EA To 40" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911B).....	3,191.02	224.27
11 68 13 00-1023 EA To 48" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911C).....	3,347.10	224.27
11 68 13 00-1024 EA To 32" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912A).....	3,112.98	224.27
11 68 13 00-1025 EA To 40" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912B).....	3,479.77	224.27
11 68 13 00-1026 EA To 48" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912C).....	3,612.44	224.27
11 68 13 00-1027 EA Arch For 72" Deck (Landscape Structures® PlayBooster® 111406A).....	1,646.44	56.07
11 68 13 00-1028 EA Arch For 56" - 64" Deck (Landscape Structures® PlayBooster® 111406B).....	1,591.81	56.07
11 68 13 00-1029 EA Arch For 40" - 48" Deck (Landscape Structures® PlayBooster® 111406C).....	1,529.38	56.07
11 68 13 00-1030 EA Arch For 32" Deck (Landscape Structures® PlayBooster® 111406D).....	1,513.77	56.07
11 68 13 00-1031 EA Arch/Ground Level (Landscape Structures® PlayBooster® 111406E).....	1,412.32	56.07
11 68 13 00-1032 EA 106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718J).....	546.12	46.73
11 68 13 00-1033 EA 98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718K).....	530.52	46.73
11 68 13 00-1034 EA 90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718L).....	522.71	46.73
11 68 13 00-1035 EA 82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718M).....	514.91	46.73
11 68 13 00-1036 EA 74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718N).....	507.10	46.73
11 68 13 00-1037 EA 66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718O).....	491.50	46.73
11 68 13 00-1038 EA 58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718P).....	483.69	46.73
11 68 13 00-1039 EA 50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718Q).....	475.89	46.73
11 68 13 00-1040 EA 42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718R).....	460.28	46.73
11 68 13 00-1041 EA 106"/72" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405J).....	514.91	46.73
11 68 13 00-1042 EA 98"/64" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405K).....	507.10	46.73
11 68 13 00-1043 EA 90"/56" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405L).....	491.50	46.73
11 68 13 00-1044 EA 82"/48" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405M).....	483.69	46.73
11 68 13 00-1045 EA 74"/40" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405N).....	475.89	46.73
11 68 13 00-1046 EA 66"/32" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405O).....	460.28	46.73
11 68 13 00-1047 EA 58"/24" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405P).....	452.48	46.73
11 68 13 00-1048 EA 50"/16" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405Q).....	444.67	46.73
11 68 13 00-1049 EA 42"/8" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405R).....	436.87	46.73
11 68 13 00-1050 EA 148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404M).....	405.71	28.03
11 68 13 00-1051 EA 140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404N).....	672.61	28.03
11 68 13 00-1052 EA 132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404O).....	374.50	28.03
11 68 13 00-1053 EA 124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404P).....	366.69	28.03
11 68 13 00-1054 EA 116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404Q).....	358.89	28.03
11 68 13 00-1055 EA 108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404R).....	351.09	28.03
11 68 13 00-1056 EA 100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404S).....	335.48	28.03
11 68 13 00-1057 EA 92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404T).....	312.07	28.03
11 68 13 00-1058 EA 84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404U).....	296.46	28.03
11 68 13 00-1059 EA 76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404V).....	288.65	28.03
11 68 13 00-1060 EA 156"/80" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404W).....	460.34	28.03
11 68 13 00-1061 EA 182"/96" Deck (44" Bury), Posts For Decks (Landscape Structures® PlayBooster® 111404Z).....	530.58	28.03
11 68 13 00-1062 EA 182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403K).....	468.15	28.03
11 68 13 00-1063 EA 174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403L).....	460.34	28.03
11 68 13 00-1064 EA 166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403M).....	452.54	28.03
11 68 13 00-1065 EA 158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403N).....	436.93	28.03
11 68 13 00-1066 EA 150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403O).....	429.13	28.03
11 68 13 00-1067 EA 142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403P).....	421.32	28.03
11 68 13 00-1068 EA 134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403Q).....	413.52	28.03
11 68 13 00-1069 EA 126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403R).....	405.71	28.03
11 68 13 00-1070 EA 118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403S).....	382.30	28.03
11 68 13 00-1071 EA 110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403T).....	374.50	28.03
11 68 13 00-1072 EA 204"/48" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689A).....	2,134.64	1,009.21
11 68 13 00-1073 EA 212"/56" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689B).....	2,142.45	1,009.21
11 68 13 00-1074 EA 220"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689C).....	2,158.05	1,009.21
11 68 13 00-1075 EA 264"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883A).....	1,948.97	560.67
11 68 13 00-1076 EA 248"/48" - 56" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883B).....	1,902.15	560.67
11 68 13 00-1077 EA 232"/32" - 40" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883C).....	1,878.73	560.67
11 68 13 00-1078 EA 220"/16" - 24" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883D).....	1,746.07	560.67
11 68 13 00-1079 EA 200"/Ground Level - 8" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883E).....	1,714.85	560.67
11 68 13 00-1080 EA Overhead Events Access/Landing Assembly Seat 8" Deck (Landscape Structures® PlayBooster® 141887A).....	620.99	56.07
11 68 13 00-1081 EA 132" Aluminum Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208A).....	1,607.22	112.13
11 68 13 00-1082 EA Square Poly Roof, Without Logo Panels (Landscape Structures® PlayBooster® 118110B).....	1,388.71	112.13
11 68 13 00-1083 EA 84" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 120873B).....	3,350.89	168.20
11 68 13 00-1084 EA 84" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 120873C).....	3,503.39	168.20
11 68 13 00-1085 EA 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 121416B).....	4,727.98	224.27
11 68 13 00-1086 EA 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 121416C).....	4,416.25	224.27
11 68 13 00-1087 EA 106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718A).....	624.11	56.07

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1088	EA		98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718B) .....	600.70	56.07
11 68 13 00-1089	EA		90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718C) .....	577.29	56.07
11 68 13 00-1090	EA		82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718D) .....	569.48	56.07
11 68 13 00-1091	EA		74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718E) .....	507.17	28.03
11 68 13 00-1092	EA		66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718F) .....	491.56	28.03
11 68 13 00-1093	EA		58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718G) .....	468.15	28.03
11 68 13 00-1094	EA		50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718H) .....	460.34	28.03
11 68 13 00-1095	EA		42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718I) .....	452.54	28.03
11 68 13 00-1096	EA		Square Peak Tile Roof, Without Logo Panels (Landscape Structures® PlayBooster® 129816B) .....	1,544.79	112.13
11 68 13 00-1097	EA		32" Decks, Spring Across Bridge With 4 TenderTuff-coated Handloops (Landscape Structures® PlayBooster® 136156B) .....	5,041.59	224.27
11 68 13 00-1098	EA		S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 136157B) .....	4,727.98	224.27
11 68 13 00-1099	EA		S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 136157C) .....	4,881.14	224.27
11 68 13 00-1100	EA		Hexagon Tenderdeck, With Extension, Brown Only (Landscape Structures® PlayBooster® 154752A) .....	5,048.38	224.27
11 68 13 00-1101	EA		The Pinnacle Natural Climber (Landscape Structures® PlayBooster® 156066A) .....	23,511.03	672.81
11 68 13 00-1102	EA		The Pointe Natural Climber (Landscape Structures® PlayBooster® 156068A) .....	13,288.59	448.54
11 68 13 00-1103	EA		Natural Elements Climber Handholds, Extension Deck And Kick Panel Set, One Set Required Per Associated Deck (Landscape Structures® PlayBooster® 156070A) .....	1,170.39	56.07
11 68 13 00-1104	EA		Bridge With Guardrails And Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230A) .....	4,166.73	168.20
11 68 13 00-1105	EA		Bridge With Guardrails, Without Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230B) .....	3,745.32	168.20
11 68 13 00-1106	EA		Bridge With Barriers, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156231A) .....	4,868.88	224.27
11 68 13 00-1107	EA		Ramp With Guardrails And Curbs, 3-Handrails Per Side (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232A) .....	4,689.39	224.27
11 68 13 00-1108	EA		Ramp With Guardrails, Without Curbs, 3-Handrails Per Side, (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232B) .....	4,182.34	168.20
11 68 13 00-1109	EA		Ramp With Guardrails And Curbs, 2-Handrails Per Side (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232C) .....	3,979.44	168.20
11 68 13 00-1110	EA		Ramp With Guardrails, Without Curbs, 2-Handrails Per Side, (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232D) .....	3,558.02	168.20
11 68 13 00-1111	EA		Ramp With Barriers, Ramp Plank Brown Only (Landscape Structures® PlayBooster® 156233A) .....	5,750.74	224.27
11 68 13 00-1112	EA		16" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156915A) .....	624.11	56.07
11 68 13 00-1113	EA		24" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156916A) .....	928.47	56.07
11 68 13 00-1114	EA		24" Deck, Pod Climber With One Handhold Panel, And One Handloop (Landscape Structures® PlayBooster® 156916B) .....	1,029.92	56.07
11 68 13 00-1115	EA		32"-40" Deck, Pod Climber With Two Handhold Panels (Landscape Structures® PlayBooster® 157427A) .....	1,552.59	112.13
11 68 13 00-1116	EA		32"-40" Deck, Pod Climber With Two Handhold Panels, And One Handloop (Landscape Structures® PlayBooster® 157427B) .....	1,661.85	112.13
11 68 13 00-1117	EA		32"-40" Deck, Pod Climber With Two Handhold Panels, And One Handrail (Landscape Structures® PlayBooster® 157427C) .....	1,739.89	112.13
11 68 13 00-1118	EA		32"-40" Deck, Pod Climber With Two Handhold Panels, One Handloop And One Handrail (Landscape Structures® PlayBooster® 157427D) .....	1,825.73	112.13
11 68 13 00-1119	EA		Starburst Climber, 64" And 72" Decks, (Direct Bury Only) (Landscape Structures® PlayBooster® 158425A) .....	2,621.54	168.20
11 68 13 00-1120	EA		Ring-a-Bell Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 159459A) .....	1,661.85	112.13
11 68 13 00-1121	EA		Ring-a-Bell™ Panel For Learning Wall (Landscape Structures® PlayBooster® 159460A) .....	1,505.77	112.13
11 68 13 00-1122	EA		Stationary Cycler, Pedal Assembly, With Grab Bar, Without Post (Landscape Structures® PlayBooster® 160054A) .....	1,240.63	56.07
11 68 13 00-1123	EA		Stationary Cycler, Handle Assembly, Without Post (Landscape Structures® PlayBooster® 160054B) .....	967.49	56.07
11 68 13 00-1124	EA		Stationary Cycler, Pedals And Handles, Without Post (Landscape Structures® PlayBooster® 160054C) .....	1,825.73	112.13
11 68 13 00-1125	EA		Stationary Cycler, Handle Assembly, Accessible, Without Post (Landscape Structures® PlayBooster® 160054D) .....	967.49	56.07
11 68 13 00-1126	EA		(1) Aluminum Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251A) .....	2,496.87	112.13
11 68 13 00-1127	EA		(1) Steel Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251B) .....	2,473.46	112.13
11 68 13 00-1128	EA		The Peak Natural Climber, 40" Deck (Landscape Structures® PlayBooster® 160420A) .....	7,623.49	280.34
11 68 13 00-1129	EA		The Peak Natural Climber Connector, Connects Between 32" Deck And 40" Deck (Landscape Structures® PlayBooster® 160421A) .....	8,021.49	280.34
11 68 13 00-1130	EA		The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayBooster® 160422A) .....	4,057.48	168.20
11 68 13 00-1131	EA		64" - 72" Decks, Escalator Climber With Single Barrier With Infill Permalene Panel (Landscape Structures® PlayBooster® 160693A) .....	4,767.43	224.27
11 68 13 00-1132	EA		Single Barrier Handhold Panel With Infill, Permalene, Panel Only (Landscape Structures® PlayBooster® 160694A) .....	709.96	56.07
11 68 13 00-1133	EA		Single Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160810A) .....	4,112.10	168.20
11 68 13 00-1134	EA		Double Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160811A) .....	8,122.94	280.34
11 68 13 00-1135	EA		RingTangle Climber, 24" - 48" Decks (Landscape Structures® PlayBooster® 164078A) .....	2,621.54	168.20
11 68 13 00-1136	EA		Bongo Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 164092A) .....	1,115.76	56.07
11 68 13 00-1137	EA		Bongo Panel For Learning Wall (Landscape Structures® PlayBooster® 164093A) .....	1,006.51	56.07
11 68 13 00-1138	EA		Wheelchair Accessible Bongo Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164094A) .....	1,014.31	56.07
11 68 13 00-1139	EA		Rock-n-Ring Panel, Ground Level Panel (2 Color Permalene) (Landscape Structures® PlayBooster® 164145A) .....	2,262.75	112.13
11 68 13 00-1140	EA		Rock-n-Ring™ Panel For Learning Wall (Landscape Structures® PlayBooster® 164146A) .....	1,802.32	112.13
11 68 13 00-1141	EA		Bongo Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164147A) .....	944.08	56.07
11 68 13 00-1142	EA		Wheelchair Accessible Ring-a-Bell Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164148A) .....	1,100.16	56.07
11 68 13 00-1143	EA		Ring-a-Bell™ Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164149A) .....	1,029.92	56.07
11 68 13 00-1144			<b>Playground Equipment (Landscape Structures® Evos™)</b> <small>(11 68 13 00-0122)</small>		
11 68 13 00-1145	EA		Standard Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158650A) .....	858.23	56.07
11 68 13 00-1146	EA		Customized Name On Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158651A) .....	1,006.51	56.07



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1147 EA Slalom Glider (Direct Bury Only) (Landscape Structures® Evos™ 156456A) .....	3,846.77	168.20
11 68 13 00-1148 EA Hang Glider (Direct Bury Only) (Landscape Structures® Evos™ 156465A).....	2,964.92	168.20
11 68 13 00-1149 EA Helix Net Climber (Direct Bury Only) (Landscape Structures® Evos™ 156449A) .....	6,976.21	158.86
11 68 13 00-1150 EA Crescent Climber (Direct Bury Only) (Landscape Structures® Evos™ 156461A) .....	5,391.75	224.27
11 68 13 00-1151 EA RingTangle Climber With Two E-Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156462A) .....	3,604.94	140.17
11 68 13 00-1152 EA Web Link Climber (Direct Bury Only) (Landscape Structures® Evos™ 156912A) .....	7,444.41	168.20
11 68 13 00-1153 EA Wobble Pod Bouncer (Direct Bury Only) (Landscape Structures® Evos™ 156452A).....	1,755.49	112.13
11 68 13 00-1154 EA Gyro Twister Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156459A) .....	2,286.27	84.10
11 68 13 00-1155 EA E-Pod Step (Landscape Structures® Evos™ 156454A).....	358.93	18.69
11 68 13 00-1156 EA Cyclor With E-Pod Step (Direct Bury Only) (Landscape Structures® Evos™ 156467A) .....	1,615.22	56.07
11 68 13 00-1157 EA 8" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959A) .....	1,170.44	46.73
11 68 13 00-1158 EA 16" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959B) .....	1,178.25	46.73
11 68 13 00-1159 EA 24" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959C) .....	1,186.05	46.73
11 68 13 00-1160 EA Swiggle Stix Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156450A).....	6,694.93	252.30
11 68 13 00-1161 EA PodStomper Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156464A).....	6,905.94	168.20
11 68 13 00-1162 EA ArcOver Ladder With Two E-Pod Steps, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 156457A).....	3,019.74	112.13
11 68 13 00-1163 EA Bow Ladder With Four E-Pod Steps, Overhead Events (Landscape Structures® Evos™ 156463A) .....	3,246.26	56.07
11 68 13 00-1164 EA 2-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 156436A) .....	28,349.51	672.81
11 68 13 00-1165 EA 3-Arch Mainstructure, Small (Landscape Structures® Evos™ 157106A) .....	31,953.73	1,009.21
11 68 13 00-1166 EA Additional Small Arch For Mainstructure, #3 Only (Landscape Structures® Evos™ 156545A).....	3,612.03	336.40
11 68 13 00-1167 EA 16" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156A) .....	1,638.43	112.13
11 68 13 00-1168 EA 24" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156B) .....	1,654.04	112.13
11 68 13 00-1169 EA Ring-a-Bell Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164150A).....	1,100.16	56.07
11 68 13 00-1170 EA Bongo Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164095A).....	1,014.31	56.07
11 68 13 00-1171 EA Noodle Post, 1 Post Only (Direct Bury Only) (Landscape Structures® Evos™ 161774A).....	866.04	56.07
11 68 13 00-1172 EA Periscope Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161775A) .....	1,794.51	112.13
11 68 13 00-1173 EA Match 3 Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161776A).....	928.47	56.07
11 68 13 00-1174 EA Chimes Reach Panel (Landscape Structures® Evos™ 161777A) .....	1,497.96	112.13
11 68 13 00-1175 EA Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161778A) .....	585.09	56.07
11 68 13 00-1176 EA Navigator Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161779A) .....	803.60	56.07
11 68 13 00-1177 EA Image Reach Panel, 75 Play Blocks (Landscape Structures® Evos™ 161780A) .....	1,037.72	56.07
11 68 13 00-1178 EA Chatter Noodle Talk Tube Kit, Two Noodle Posts And Tubing (Direct Bury Only) (Landscape Structures® Evos™ 156453A).....	2,426.64	112.13
11 68 13 00-1179 EA Blender Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156460A) .....	2,964.92	168.20
11 68 13 00-1180 EA BalanceWinder Climber (Direct Bury Only) (Landscape Structures® Evos™ 160252A) .....	5,259.08	224.27
11 68 13 00-1181 EA Overhead Explorer Parallel Bar, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160253A) .....	2,161.30	112.13
11 68 13 00-1182 EA Overhead Trekker Ladder, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160254A) .....	2,356.40	112.13
11 68 13 00-1183 EA 3-Arch Mainstructure, Large With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160356A).....	32,406.36	1,009.21
11 68 13 00-1184 EA 4-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160357A) .....	35,449.92	1,009.21
11 68 13 00-1185 EA Additional Large Arch For Mainstructure, #4 Only (Landscape Structures® Evos™ 160358A).....	3,768.73	168.20
11 68 13 00-1186 EA Additional Arches For Mainstructure, #3 And #4 Only (Landscape Structures® Evos™ 160359A).....	7,006.97	280.34
11 68 13 00-1187 EA Power Lifter Chinning Bar (Landscape Structures® Evos™ 160208A) .....	1,677.45	112.13
11 68 13 00-1188 EA Accessible Power Lifter Chinning Bar (Landscape Structures® Evos™ 160209A) .....	2,106.67	112.13
11 68 13 00-1189 EA TwirlWind Turning Bar (Landscape Structures® Evos™ 160210A).....	2,106.67	112.13
<b>11 68 13 00-1190 Playground Equipment (Landscape Structures® Weevos™) <small>(11 68 13 00-0122)</small></b>		
11 68 13 00-1191 EA Safety Sign, Weevos Welcome Sign, Ages 2 to 5, Direct Bury (Landscape Structures® Weevos™ 164529A) .....	858.23	56.07
11 68 13 00-1192 EA ChitterChatter Noodle™ Talk Tube Kit (Landscape Structures® Weevos™ 164177A).....	2,200.32	112.13
<b>11 68 13 00-1193 Playground Equipment (Landscape Structures® Parts) <small>(11 68 13 00-0122)</small></b>		
11 68 13 00-1194 EA 52-9/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (8') (Landscape Structures® 160110A) .....	91.99	28.03
11 68 13 00-1195 EA 66-15/16" Long, TenderTuff-Coated Chain, Brown, Front Chain for Molded Bucket Seat (8') (Landscape Structures® 160112A) .....	96.68	28.03
11 68 13 00-1196 EA Pivot Block Swing Hardware With Bearing For Molded Bucket Seat (Landscape Structures® 160307A).....	90.43	28.03
11 68 13 00-1197 EA Play It Safe Label, 2-5 Years (Landscape Structures® 156845A) .....	10.90	5.60
11 68 13 00-1198 EA Play It Safe Label, 2-12 Years (Landscape Structures® 156846A) .....	10.90	5.60
11 68 13 00-1199 EA Play It Safe Label, 5-12 Years (Landscape Structures® 156847A) .....	10.90	5.60
11 68 13 00-1200 EA Play It Safe Label, 8-12 Years (Landscape Structures® 156848A) .....	10.90	5.60
11 68 13 00-1201 EA D-Ring with Stainless Steel Bolt Link, Brown TenderTuff-coated Only (Landscape Structures® 130923A).....	141.94	28.03
11 68 13 00-1202 EA (2) Stainless Steel Double Clevis Swing Hardware With Bolts (Landscape Structures® 132634A) .....	73.32	11.22
11 68 13 00-1203 EA (2) Stainless Steel Bolt Links Swing Hardware With Bolts For Use With TenderTuff-Coated Chain (Landscape Structures® 132635A) .....	45.22	11.22
11 68 13 00-1204 EA (2) Stainless Steel Bolt Links Swing Hardware With Bolts And Chain Spacers For Use With Uncoated Chain (Landscape Structures® 132672A) .....	46.78	11.22
11 68 13 00-1205 EA 2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136065A) .....	93.60	14.01
11 68 13 00-1206 EA 3-1/2" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136066A) .....	93.60	14.01
11 68 13 00-1207 EA TenderTuff Repair Kit (Landscape Structures® 138717A) .....	10.15	
11 68 13 00-1208 EA Anti-Wrap, 2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 140739A) .....	123.25	14.01
11 68 13 00-1209 EA (2) Aluminum Clevis Swing Hardware For Anti-Wrap Hanger With Bolts (Landscape Structures® 141267A) .....	78.00	11.22
11 68 13 00-1210 EA 65" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (8') (Landscape Structures® 141730A).....	95.11	28.03
11 68 13 00-1211 EA 43-3/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (6') Toddler Swing (Landscape Structures® 141739A).....	86.53	28.03
11 68 13 00-1212 EA 87-13/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (10') (Landscape Structures® 141766A).....	116.97	28.03
11 68 13 00-1213 EA 29-7/8" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (6') Toddler Swing (Landscape Structures® 152016A).....	82.63	28.03

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1214 EA 49-13/16" Long, TenderTuff-Coated Chain, Brown, Tire Swing, Half-Bucket Seat (7) 2" Arch Swing (Landscape Structures® 152048A).....	90.43	28.03
11 68 13 00-1215 EA 67-7/8" Long, TenderTuff-Coated Chain, Brown, Belt Seat (8), Flat Seat (8) (Landscape Structures® 152050A).....	98.24	28.03
11 68 13 00-1216 EA 76-7/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (10) (Landscape Structures® 152051A).....	106.04	28.03
11 68 13 00-1217 EA 90-11/16" Long, TenderTuff-Coated Chain, Brown, Belt Seat (10), Flat Seat (10), 16" Deck Ascending Chain (Landscape Structures® 152052A).....	121.65	28.03
11 68 13 00-1218 EA 37-1/2" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (7) 2" Arch Swing (Landscape Structures® 152053A).....	84.97	28.03
11 68 13 00-1219 EA 121-1/16" Long, TenderTuff-Coated Chain, Brown, Rear Chain for Molded Bucket Seat (8) (Landscape Structures® 152067A).....	140.38	28.03
11 68 13 00-1220 EA Tire Swing Hanger, Stainless Steel, Excludes Chain, 1997 And Later (Landscape Structures® 121609A).....	694.35	56.07
11 68 13 00-1221 EA Twin Rim Basketball Goal And Chain Net (Landscape Structures® 100080A).....	273.05	28.03
11 68 13 00-1222 EA Twin Rim Basketball Goal And Nylon Net (Landscape Structures® 100081A).....	265.24	28.03
11 68 13 00-1223 EA Nylon Basketball Net (Landscape Structures® 100082A).....	45.21	14.01
11 68 13 00-1224 EA Chain Basketball Net (Landscape Structures® 100083A).....	56.14	14.01
11 68 13 00-1225 EA Basketball Frame Set Only, Moveable (Landscape Structures® 100099A).....	1,240.63	56.07
11 68 13 00-1226 EA Basketball Frame Set Only, Direct Bury (Landscape Structures® 100100A).....	1,029.92	56.07
11 68 13 00-1227 EA Warning Label (Landscape Structures® 115176A).....	0.16	
11 68 13 00-1228 EA PS Spare Parts Kit (Landscape Structures® 107040A).....	53.07	
11 68 13 00-1229 EA PB Spare Parts Kit (Landscape Structures® 107043A).....	115.50	
11 68 13 00-1230 EA Tire With Ring And Hardware, Excludes Chain (Landscape Structures® 107329A).....	678.74	56.07
11 68 13 00-1231 EA 5" Swing Hanger Clamp Assembly, Complete, Excludes Chain (Landscape Structures® 111418A).....	141.94	28.03
11 68 13 00-1232 EA Tire Swing Hanger, Stainless Steel, Excludes Chain, 1996 And Prior (Landscape Structures® 116997A).....	803.60	56.07

**11 68 13 00-1233 Playground Equipment (Landscape Structures® Site Furniture) (11 68 13 00-0122)**

11 68 13 00-1234 EA 60" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640A).....	1,341.93	102.79
11 68 13 00-1235 EA 60" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640B).....	694.25	84.10
11 68 13 00-1236 EA 60" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640C).....	1,178.05	102.79
11 68 13 00-1237 EA 60" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640D).....	678.65	84.10
11 68 13 00-1238 EA 96" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640E).....	1,927.23	102.79
11 68 13 00-1239 EA 96" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640F).....	904.96	84.10
11 68 13 00-1240 EA 96" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640G).....	1,677.51	102.79
11 68 13 00-1241 EA 96" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640H).....	881.55	84.10
11 68 13 00-1242 EA Optional Brown Dome, Litter Receptacle (Landscape Structures® 100095A).....	327.47	84.10
11 68 13 00-1243 EA 32-Gallon Polyethylene Container, Litter Receptacle (Landscape Structures® 141682A).....	199.48	84.10
11 68 13 00-1244 EA Optional Cover for TenderTuff-Coated Litter Receptacle (Landscape Structures® 141686A).....	244.80	74.76
11 68 13 00-1245 EA Litter Receptacle With Recycled Polyethylene Slats and Liner, (Direct Bury Only) (Landscape Structures® 100094A).....	842.53	84.10
11 68 13 00-1246 EA Litter Receptacle With TenderTuff-Coated Panels and Liner, Direct Bury (Landscape Structures® 141685A).....	725.52	74.76
11 68 13 00-1247 EA Litter Receptacle With TenderTuff-Coated Panels and Liner, Surface Mount (Landscape Structures® 141685B).....	725.52	74.76
11 68 13 00-1248 EA Loop Rack, Direct Bury, Powdercoated (Landscape Structures® 100102A).....	436.82	56.07
11 68 13 00-1249 EA Loop Rack, Direct Bury, TenderTuff-Coated (Landscape Structures® 100102B).....	647.52	56.07
11 68 13 00-1250 EA 60" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139A).....	2,129.47	280.34
11 68 13 00-1251 EA 60" Poly Picnic Table, (1) 60" Seat (2) 14" Seats, Moveable (Landscape Structures® 113139B).....	2,051.43	280.34
11 68 13 00-1252 EA 60" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139C).....	1,942.18	280.34
11 68 13 00-1253 EA 84" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139D).....	2,652.34	280.34
11 68 13 00-1254 EA 84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Moveable (Landscape Structures® 113139E).....	2,566.50	280.34
11 68 13 00-1255 EA 84" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139F).....	2,449.44	280.34
11 68 13 00-1256 EA 60" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139G).....	2,230.92	280.34
11 68 13 00-1257 EA 60" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139H).....	2,129.47	280.34
11 68 13 00-1258 EA 60" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139I).....	2,020.22	280.34
11 68 13 00-1259 EA 84" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139J).....	2,753.79	280.34
11 68 13 00-1260 EA 84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139K).....	2,652.34	280.34
11 68 13 00-1261 EA 84" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139L).....	2,527.48	280.34
11 68 13 00-1262 EA 70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088A).....	694.25	84.10
11 68 13 00-1263 EA 70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088B).....	764.49	84.10
11 68 13 00-1264 EA 94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088C).....	748.88	84.10
11 68 13 00-1265 EA 94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088D).....	819.12	84.10
11 68 13 00-1266 EA 70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088E).....	1,022.02	84.10
11 68 13 00-1267 EA 70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088F).....	951.79	84.10
11 68 13 00-1268 EA 94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088G).....	1,084.45	84.10
11 68 13 00-1269 EA 94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088H).....	1,014.22	84.10
11 68 13 00-1270 EA Arm Rest, 1 Only, Fits All Benches With Back (Landscape Structures® 114767A).....	143.54	18.69
11 68 13 00-1271 EA 72", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683A).....	709.96	56.07
11 68 13 00-1272 EA 72", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683B).....	725.56	56.07
11 68 13 00-1273 EA 72", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683C).....	460.23	56.07
11 68 13 00-1274 EA 72", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683D).....	483.64	56.07
11 68 13 00-1275 EA 92", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683E).....	725.56	56.07
11 68 13 00-1276 EA 92", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683F).....	756.78	56.07
11 68 13 00-1277 EA 92", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683G).....	483.64	56.07
11 68 13 00-1278 EA 92", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683H).....	514.86	56.07
11 68 13 00-1279 EA 72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684A).....	1,661.44	224.27



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1280 EA 72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures@ 141684B).....	1,739.48	224.27
11 68 13 00-1281 EA 92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures@ 141684C).....	1,747.28	224.27
11 68 13 00-1282 EA 92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures@ 141684D).....	1,864.34	224.27
11 68 13 00-1283 EA 92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures@ 141684E).....	1,708.26	224.27
11 68 13 00-1284 EA 92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures@ 141684F).....	1,801.91	224.27
11 68 13 00-1285 EA Square Picnic Table With 4 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures@ 154345A).....	1,591.86	46.73
11 68 13 00-1286 EA Square Picnic Table With 3 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures@ 154345B).....	1,443.58	46.73
11 68 13 00-1287 EA Square Picnic Table With 2 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures@ 154345C).....	1,318.72	46.73
11 68 13 00-1288 EA Kish Valley Grill, (Direct Bury Only) (Landscape Structures@ 100101A).....	702.15	56.07
11 68 13 00-1289 EA Loop Rack, Surface Mount, Powdercoated (Landscape Structures@ 100102C).....	600.70	56.07
11 68 13 00-1290 EA Loop Rack, Surface Mount, TenderTuff-Coated (Landscape Structures@ 100102D).....	811.41	56.07
<b>11 68 13 00-1291 Playground Equipment (Little Tikes) <sup>(11 68 13)</sup></b>		
11 68 13 00-1292 EA Little Tykes Playcenter 5.....	14,072.92	961.71
<b>11 68 16 Play Structures <sup>(11 68)</sup></b>		
<b>11 68 16 00-0001 Playground Shade Structures <sup>(11 68 16)</sup></b>		
Note: Shade Structures, Inc. dba USA Shade & Fabric Structures, exclude custom engineering, architect fees, site survey, temporary fencing, logos, post pads, special equipment (e.g. cranes for limited site access, hydro-excavation for high soil water table), soil removal from site, core drilling for concrete slab on grade, cutting of pavers or specialty finished surfaces including removal of tiles, alternate footing configuration due to site specific geotechnical report requirements, underground utility scan, moving or re-routing of underground utilities, and hard rock subsurface conditions.		
<b>11 68 16 00-0002 Single Ridge <sup>(11 68 16 00-0001)</sup></b>		
Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0003 EA 8' x 10' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	23,951.62	
11 68 16 00-0004 EA 10' x 10' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	23,998.38	
11 68 16 00-0005 EA 9' x 13' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	24,037.23	
11 68 16 00-0006 EA 10' x 12' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	25,361.01	
11 68 16 00-0007 EA 11' x 17' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	25,399.87	
11 68 16 00-0008 EA 10' x 18' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	25,564.97	
11 68 16 00-0009 EA 12' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	27,198.60	
11 68 16 00-0010 EA 10' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	27,511.58	
11 68 16 00-0011 EA 10' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	28,130.25	
11 68 16 00-0012 EA 14' x 17' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	30,795.94	
11 68 16 00-0013 EA 14' x 17' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	31,490.22	
11 68 16 00-0014 EA 12' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	30,742.89	
11 68 16 00-0015 EA 12' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	31,234.26	
11 68 16 00-0016 EA 15' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	30,742.89	
11 68 16 00-0017 EA 15' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	31,351.62	
11 68 16 00-0018 EA 17' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	31,234.26	
11 68 16 00-0019 EA 17' x 19' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	33,122.78	
11 68 16 00-0020 EA 18' x 18' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	28,539.39	
11 68 16 00-0021 EA 18' x 18' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	29,580.47	
11 68 16 00-0022 EA 18' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	28,725.06	
11 68 16 00-0023 EA 18' x 19' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	30,120.24	
11 68 16 00-0024 EA 18' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	29,012.86	
11 68 16 00-0025 EA 18' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	30,592.37	
11 68 16 00-0026 EA 20' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	30,206.44	
11 68 16 00-0027 EA 20' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	31,549.23	
11 68 16 00-0028 EA 20' x 21' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	35,876.65	
11 68 16 00-0029 EA 20' x 21' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	40,178.23	
11 68 16 00-0030 EA 20' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	37,009.90	
11 68 16 00-0031 EA 20' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	40,763.74	
11 68 16 00-0032 EA 18' x 27' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	35,876.65	
11 68 16 00-0033 EA 18' x 27' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	37,123.29	
11 68 16 00-0034 EA 16' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	36,070.28	
11 68 16 00-0035 EA 16' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	40,115.89	
11 68 16 00-0036 EA 19' x 28' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	35,876.65	
11 68 16 00-0037 EA 19' x 28' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	40,115.89	
11 68 16 00-0038 EA 20' x 23' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	35,876.65	
11 68 16 00-0039 EA 20' x 23' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	40,115.89	
11 68 16 00-0040 EA 20' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	35,876.65	
11 68 16 00-0041 EA 20' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	40,178.23	
11 68 16 00-0042 EA 20' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	35,876.65	
11 68 16 00-0043 EA 20' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	40,178.23	
11 68 16 00-0044 EA 20' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	35,876.65	
11 68 16 00-0045 EA 20' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	40,317.47	
11 68 16 00-0046 EA 21' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	49,386.76	
11 68 16 00-0047 EA 21' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	52,770.60	
11 68 16 00-0048 EA 24' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	48,167.31	
11 68 16 00-0049 EA 24' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	50,523.99	
11 68 16 00-0050 EA 23' x 28' Single Ridge Shade Structure, 10' Opening Height, 4 Posts.....	49,386.76	
11 68 16 00-0051 EA 23' x 28' Single Ridge Shade Structure, 12' Opening Height, 4 Posts.....	50,972.24	

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
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11 68 16 00-0052	EA	23' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	48,167.31	
11 68 16 00-0053	EA	23' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	50,523.99	
11 68 16 00-0054	EA	25' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	48,543.29	
11 68 16 00-0055	EA	25' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	51,085.64	
11 68 16 00-0056	EA	25' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	49,897.36	
11 68 16 00-0057	EA	25' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	51,533.90	
11 68 16 00-0058	EA	26' x 27' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	51,985.48	
11 68 16 00-0059	EA	26' x 27' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	53,543.77	
11 68 16 00-0060	EA	29' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	52,023.27	
11 68 16 00-0061	EA	29' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	53,543.77	
11 68 16 00-0062	EA	30' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	52,358.07	
11 68 16 00-0063	EA	30' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	53,946.94	
11 68 16 00-0064	EA	19' x 36' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	60,315.41	
11 68 16 00-0065	EA	19' x 36' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	65,010.86	
11 68 16 00-0066	EA	18' x 33' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	60,315.41	
11 68 16 00-0067	EA	18' x 33' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	65,010.86	
11 68 16 00-0068	EA	17' x 32' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	60,315.41	
11 68 16 00-0069	EA	17' x 32' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	65,010.86	
11 68 16 00-0070	EA	20' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	60,315.41	
11 68 16 00-0071	EA	20' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	65,010.86	
11 68 16 00-0072	EA	21' x 39' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	62,750.33	
11 68 16 00-0073	EA	21' x 39' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	70,598.19	
11 68 16 00-0074	EA	24' x 37' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	62,750.33	
11 68 16 00-0075	EA	24' x 37' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	70,598.19	
11 68 16 00-0076	EA	27' x 38' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	62,750.33	
11 68 16 00-0077	EA	27' x 38' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	70,598.19	
11 68 16 00-0078	EA	24' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	62,666.11	
11 68 16 00-0079	EA	24' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	70,291.17	
11 68 16 00-0080	EA	27' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	62,941.96	
11 68 16 00-0081	EA	27' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	70,723.50	
11 68 16 00-0082	EA	30' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	61,430.80	
11 68 16 00-0083	EA	30' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	70,723.50	

**11 68 16 00-0084 Double Ridge** (11 68 16 00-0001)

Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.

11 68 16 00-0085	EA	20' x 40' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	58,346.91	
11 68 16 00-0086	EA	20' x 40' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	60,445.57	
11 68 16 00-0087	EA	20' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	83,900.82	
11 68 16 00-0088	EA	20' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	87,414.88	
11 68 16 00-0089	EA	26' x 48' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	88,072.35	
11 68 16 00-0090	EA	25' x 50' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	85,785.63	
11 68 16 00-0091	EA	25' x 50' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	88,072.35	
11 68 16 00-0092	EA	25' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	85,785.63	
11 68 16 00-0093	EA	25' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	88,072.35	
11 68 16 00-0094	EA	27' x 38' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	61,910.59	
11 68 16 00-0095	EA	27' x 38' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	68,226.47	
11 68 16 00-0096	EA	30' x 40' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	61,910.59	
11 68 16 00-0097	EA	30' x 40' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	68,226.47	
11 68 16 00-0098	EA	26' x 47' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	86,307.80	
11 68 16 00-0099	EA	26' x 47' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	88,650.15	
11 68 16 00-0100	EA	30' x 50' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	86,307.80	
11 68 16 00-0101	EA	30' x 50' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	88,650.15	
11 68 16 00-0102	EA	28' x 53' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	93,147.86	
11 68 16 00-0103	EA	28' x 53' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	96,591.26	
11 68 16 00-0104	EA	29' x 58' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	91,451.11	
11 68 16 00-0105	EA	29' x 58' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	96,591.26	
11 68 16 00-0106	EA	30' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	91,451.11	
11 68 16 00-0107	EA	30' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	96,591.26	
11 68 16 00-0108	EA	27' x 74' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	134,574.11	
11 68 16 00-0109	EA	28' x 59' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	96,591.26	
11 68 16 00-0110	EA	20' x 80' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	138,288.09	
11 68 16 00-0111	EA	30' x 80' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	141,251.04	

**11 68 16 00-0112 Interconnected Quad Lineal Ridge** (11 68 16 00-0001)

Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.

11 68 16 00-0113	EA	30' x 160' Quad-Lineal Ridge Shade Structure, 12' Opening Height, 10 Posts	263,268.38	
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**11 68 16 00-0114 Quad Ridge** (11 68 16 00-0001)

Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.

11 68 16 00-0115	EA	36' x 36' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	82,862.42	
11 68 16 00-0116	EA	34' x 39' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	91,001.52	
11 68 16 00-0117	EA	34' x 39' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	93,182.74	
11 68 16 00-0118	EA	40' x 40' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	98,028.49	
11 68 16 00-0119	EA	40' x 40' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	103,284.10	
11 68 16 00-0120	EA	36' x 54' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	108,009.58	
11 68 16 00-0121	EA	36' x 54' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	115,934.85	
11 68 16 00-0122	EA	38' x 55' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	106,527.37	
11 68 16 00-0123	EA	38' x 55' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	115,934.85	



<b>Equipment</b>	<b>11</b>	
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>	<b>11</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 16 00-0124 EA 40' x 50' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts .....	108,009.58	
11 68 16 00-0125 EA 40' x 50' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts .....	115,934.85	
11 68 16 00-0126 EA 40' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts .....	117,043.86	
11 68 16 00-0127 EA 40' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts .....	125,048.56	
11 68 16 00-0128 EA 50' x 50' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts .....	159,410.94	
11 68 16 00-0129 EA 50' x 50' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts .....	165,666.14	
11 68 16 00-0130 EA 50' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts .....	164,894.33	
11 68 16 00-0131 EA 50' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts .....	165,887.03	
11 68 16 00-0132 EA 56' x 59' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts .....	169,267.44	
11 68 16 00-0133 EA 56' x 59' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts .....	176,235.69	
11 68 16 00-0134 EA 60' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts .....	169,885.45	
11 68 16 00-0135 EA 60' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts .....	177,207.81	
<b>11 68 16 00-0136 Peak-Roof Triangle</b> <small>(11 68 16 00-0001)</small>		
Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0137 EA 30' Peak-Roof Triangle Shade Structure, 12' Opening Height, 3 Posts .....	45,379.95	
<b>11 68 16 00-0138 Peak-Roof Hexagon</b> <small>(11 68 16 00-0001)</small>		
Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0139 EA 38' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 6 Posts.....	79,711.44	
11 68 16 00-0140 EA 40' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 6 Posts.....	83,100.12	
11 68 16 00-0141 EA 50' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts.....	138,616.26	
11 68 16 00-0142 EA 52' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts.....	143,471.10	
11 68 16 00-0143 EA 55' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts.....	147,050.70	
11 68 16 00-0144 EA 60' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts.....	151,471.84	
<b>11 68 16 00-0145 Free-Form Tri-Sail</b> <small>(11 68 16 00-0001)</small>		
Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0146 EA 18' Single Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 3 Posts.....	32,136.41	
11 68 16 00-0147 EA 18' Double Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 4 Posts .....	42,794.84	
11 68 16 00-0148 EA 18' Triple Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 5 Posts.....	66,463.07	
11 68 16 00-0149 EA 30' Double Free-Form Tri-Sail Shade Structure, 14' Opening Height, 5 Posts .....	98,130.91	
<b>11 68 16 00-0150 Free-Form Hypar</b> <small>(11 68 16 00-0001)</small>		
Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0151 EA 20' x 20' Single 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 4 Posts .....	47,598.89	
11 68 16 00-0152 EA 20' x 40' Double 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 6 Posts .....	42,794.29	
11 68 16 00-0153 EA 30' x 30' Single 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 4 Posts.....	65,328.20	
11 68 16 00-0154 EA 30' x 60' Double 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 6 Posts .....	79,548.32	
<b>11 68 16 00-0155 Mariners</b> <small>(11 68 16 00-0001)</small>		
Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0156 EA 30' x 30' Single Mariner Shade Structure, 10' Opening Height, 4 Posts .....	57,574.02	
11 68 16 00-0157 EA 30' x 30' Single Mariner Shade Structure, 12' Opening Height, 4 Posts .....	63,343.85	
11 68 16 00-0158 EA 30' x 60' Mariner Peak Joined Shade Structure, 10' Opening Height, 6 Posts.....	84,290.68	
11 68 16 00-0159 EA 30' x 60' Mariner Peak Joined Shade Structure, 12' Opening Height, 6 Posts.....	89,779.05	
11 68 16 00-0160 EA 60' x 60' Mariner Peak Quad Shade Structure, 10' Opening Height, 9 Posts .....	129,713.34	
11 68 16 00-0161 EA 60' x 60' Mariner Peak Quad Shade Structure, 12' Opening Height, 9 Posts .....	133,405.49	
<b>11 68 16 00-0162 Single Post Pyramid</b> <small>(11 68 16 00-0001)</small>		
Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0163 EA 14' x 14' Single Post Pyramid Shade Structure, 10' Opening Height, 1 Post.....	19,851.84	
11 68 16 00-0164 EA 14' x 14' Single Post Pyramid Shade Structure, 12' Opening Height, 1 Post .....	20,391.92	
<b>11 68 16 00-0165 Tri-Truss Cantilevers</b> <small>(11 68 16 00-0001)</small>		
Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0166 EA 20' x 30' Tri-Truss Rigid Single Wide Shade Structure, 10' Opening Height, 2 Posts .....	71,414.33	
11 68 16 00-0167 EA 20' x 30' Tri-Truss Rigid Single Wide Shade Structure, 12' Opening Height, 2 Posts .....	75,545.01	
11 68 16 00-0168 EA 30' x 40' Tri-Truss Rigid Single Wide Joined Shade Structure, 10' Opening Height, 3 Posts .....	106,607.23	
11 68 16 00-0169 EA 30' x 40' Tri-Truss Rigid Single Wide Joined Shade Structure, 12' Opening Height, 3 Posts .....	109,128.55	
<b>11 68 16 00-0170 Full Cantilevers</b> <small>(11 68 16 00-0001)</small>		
Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0171 EA 20' x 30' Full Cantilever Rigid Single Shade Structure, 10' Opening Height, 2 Posts .....	63,809.34	
11 68 16 00-0172 EA 20' x 60' Full Cantilever Rigid Joined Shade Structure, 12' Opening Height, 3 Posts .....	95,558.84	
<b>11 68 16 00-0173 Hip Roof</b> <small>(11 68 16 00-0001)</small>		
Note: Outdoor weatherproof fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0174 EA 20' x 30' Single Rigid Hip Roof Shade Structure, 20 LB Snowload, 10' Opening Height, 4 Posts .....	43,522.91	
11 68 16 00-0175 EA 20' x 30' Single Rigid Hip Roof Shade Structure, 20 LB Snowload, 12' Opening Height, 4 Posts .....	48,754.72	

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>11 68 16 00-0176</b>	<b>Hip Roof</b> <small>(11 68 16 00-0001)</small>		
	Note: Outdoor weatherproof fabric structure (Specified Fabric PVC).		
11 68 16 00-0177	EA 30' x 30' Weather Protector Hip Roof Shade Structure, 10' Opening Height, 4 Posts.....	93,293.08	
11 68 16 00-0178	EA 30' x 30' Weather Protector Hip Roof Shade Structure, 12' Opening Height, 4 Posts.....	100,463.36	
11 68 16 00-0179	EA 30' x 60' Weather Protector Joined Hip Roof Shade Structure, 10' Opening Height, 6 Posts.....	175,843.19	
11 68 16 00-0180	EA 30' x 60' Weather Protector Joined Hip Roof Shade Structure, 12' Opening Height, 6 Posts.....	185,888.98	
<b>11 68 16 00-0181</b>	<b>Additional Items</b> <small>(11 68 16 00-0001)</small>		
11 68 16 00-0182	EA Concrete Cutting for Playground Shade Structure, Per Core.....	211.70	
11 68 16 00-0183	HR Overtime Wage For Playground Shade Structure, Per Man Hour (First Shift).....	107.00	
11 68 16 00-0184	HR Overtime Wage Or "Late Start" Shift For Playground Shade Structure, Per Man Hour (Second Shift).....	131.00	
11 68 16 00-0185	EA Intumescent Paint Per Column.....	2,431.23	
<b>11 68 23</b>	<b>Exterior Court Athletic Equipment</b> <small>(11 68)</small>		
<b>11 68 23 13</b>	<b>Exterior Basketball Equipment</b> <small>(11 68 23)</small>		
<b>11 68 23 13-0001</b>	<b>Basketball Components</b> <small>(11 68 23 13)</small>		
11 68 23 13-0002	EA Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120).....	28.11	7.98
11 68 23 13-0003	EA Chain Basketball Net (Porter Athletic 00161-000).....	49.55	7.98
11 68 23 13-0004	EA Heavy Duty Goal Ring (Porter Athletic 00235-000).....	113.59	39.88
11 68 23 13-0005	EA Goal Ring For Steel Net (Porter Athletic 00251-H00).....	204.94	17.95
11 68 23 13-0006	EA 42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000).....	1,180.74	33.90
	Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0007	EA 42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300).....	1,516.74	33.90
	Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0008	EA 54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300).....	773.76	29.91
	Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0009	EA 54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000).....	846.26	29.91
	Note: Includes perimeter and target markings. Excludes pole and goal.		
<b>11 68 23 13-0010</b>	<b>Basketball Systems</b> <small>(11 68 23 13)</small>		
	See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
11 68 23 13-0011	EA 4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616).....	2,275.20	250.32
11 68 23 13-0012	EA 5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230).....	3,667.56	275.35
	For Fan Shaped Fiberglass Backboard, Deduct	-133.00	
	For 42" x 72" Perforated Steel Backboard, Add	350.00	
11 68 23 13-0013	EA 4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230).....	2,404.43	250.32
	For Fan Shaped Fiberglass Backboard, Deduct	-133.00	
	For 42" x 72" Perforated Steel Backboard, Add	350.00	
11 68 23 13-0014	EA 5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230).....	3,667.56	275.35
	For Fan Shaped Fiberglass Backboard, Deduct	-133.00	
	For 42" x 72" Perforated Steel Backboard, Add	350.00	
11 68 23 13-0015	EA Back To Back 6" Galvanized Steel Pole With 5' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 195582).....	6,537.91	404.93
	For Fan Shaped Fiberglass Backboard, Deduct	-498.00	
	For 42" x 72" Perforated Steel Backboard, Add	700.00	
<b>11 68 23 33</b>	<b>Tennis Equipment</b> <small>(11 68 23)</small>		
<b>11 68 23 33-0001</b>	<b>Tennis Court Net Posts</b> <small>(11 68 23 33)</small>		
11 68 23 33-0002	PR Round, Powder Coated Steel, Tennis Court Net Posts With External Winder.....	1,015.52	135.62
11 68 23 33-0003	PR Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder.....	1,302.44	135.62
11 68 23 33-0004	PR Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder.....	1,350.26	135.62
11 68 23 33-0005	PR Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder.....	1,432.95	135.62
11 68 23 33-0006	PR Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder.....	1,727.39	135.62
11 68 23 33-0007	PR Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts.....	252.80	
11 68 23 33-0008	PR Galvanized Steel Ground Sleeves For Tennis Court Net Posts.....	288.54	
11 68 23 33-0009	PR Round, Powder Coated Steel, Tennis Court Net Posts With External Winder (Porter 00865-200/300).....	2,237.42	135.62
	Note: Includes ground sleeves.		
11 68 23 33-0010	EA Round, Powder Coated Steel, Tennis Court Net Posts With External Winder (Porter 00865-200/300).....	1,186.86	67.82
	Note: (Single Post) Includes ground sleeve.		
<b>11 68 23 33-0011</b>	<b>Tennis Court Nets</b> <small>(11 68 23 33)</small>		
11 68 23 33-0012	EA 42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net.....	558.65	134.03
11 68 23 33-0013	EA 42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net.....	615.70	134.03
11 68 23 33-0014	EA 42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net.....	1,345.58	206.23
11 68 23 33-0015	EA Galvanized Steel Anchor For Tennis Court Net Center Strap.....	71.64	
<b>11 68 33</b>	<b>Athletic Field Equipment</b> <small>(11 68)</small>		
<b>11 68 33 13</b>	<b>Football Field Equipment</b> <small>(11 68 33)</small>		





<b>Equipment</b>	<b>11</b>	
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>	<b>11</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 68 33 13-0001</b> <b>Football Goal Posts</b> <small>(11 68 33 13)</small> Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 13-0002   PR   Double Steel Football Goal Posts, "H Shape".....	4,733.57	358.91
11 68 33 13-0003   PR   Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights .....	6,886.50	553.64
11 68 33 13-0004   PR   Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights .....	8,223.62	664.36
 <b>11 68 33 23</b> <b>Soccer and Field Hockey Equipment</b> <small>(11 68 33)</small>		
<b>11 68 33 23-0001</b> <b>Soccer Goal Posts</b> <small>(11 68 33 23)</small> Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 23-0002   PR   Regulation Soccer Goal Posts.....	4,459.19	239.34
11 68 33 23-0003   PR   Combination Football/Soccer Goal Post .....	5,352.85	358.91
11 68 33 23-0004   PR   Portable Soccer Goal, Porter #477 .....	7,094.90	239.34
11 68 33 23-0005   PR   Soccer Net, Porter #491-824 .....	441.86	19.95
11 68 33 23-0006   PR   Field Hockey Goal With Net, Porter #260 .....	6,256.24	159.55
11 68 33 23-0007   PR   Lacrosse Goal With Net, Porter #261 .....	2,814.00	159.55
 <b>11 68 33 33</b> <b>Baseball Field Equipment</b> <small>(11 68 33)</small>		
<b>11 68 33 33-0001</b> <b>Bases</b> <small>(11 68 33 33)</small>		
11 68 33 33-0002   SET   Bases For Baseball Or Softball.....	548.70	
 <b>11 80</b> <b>Facility Maintenance and Operation Equipment</b> <small>(11)</small>		
<b>11 81</b> <b>Maintenance Equipment</b> <small>(11 80)</small>		
<b>11 81 29</b> <b>Facility Fall Protection</b> <small>(11 81)</small>		
<b>11 81 29 00-0001</b> <b>Safety And Tie-Back Anchors</b> <small>(11 81 29)</small> Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation.		
<b>11 81 29 00-0002</b> <b>Roof Mounted, Safety And Tie-Back Anchors</b> <small>(11 81 29 00-0001)</small> Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0003   EA   Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	733.04	81.73
Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
For Stainless Steel Pad Eye, Add	40.00	
For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0004   EA   Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	626.52	81.73
Note: Includes drilling in concrete and adhesive anchor systems.		
For Stainless Steel Pad Eye, Add	40.00	
For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0005   EA   Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	456.75	76.01
For Stainless Steel Pad Eye, Add	40.00	
For Foam Insulation Filled HSS Tube, Add	10.00	
<b>11 81 29 00-0006</b> <b>Wall Mounted, Safety And Tie-Back Anchor</b> <small>(11 81 29 00-0001)</small> Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0007   EA   Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	516.94	81.73
Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0008   EA   Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	464.59	81.73
Note: Includes drilling in concrete and adhesive anchor systems.		
For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0009   EA   Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	400.32	76.01
For Stainless Steel Pad Eye, Add	40.00	
<b>11 81 29 00-0010</b> <b>Safety And Tie-Back Anchor Accessories</b> <small>(11 81 29 00-0001)</small>		
11 81 29 00-0011   EA   Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor) .....	410.40	
Note: One cut sheet required per order.		
 <b>11 82</b> <b>Facility Solid Waste Handling Equipment</b> <small>(11 80)</small>		
<b>11 82 19</b> <b>Packaged Incinerators</b> <small>(11 82)</small>		
<b>11 82 19 00-0001</b> <b>Electric Incinerator</b> <small>(11 82 19)</small>		
11 82 19 00-0002   EA   Electric Package Incinerator, 100 LB/Hour .....	38,280.74	961.63

11	<b>11 Equipment</b>
	<b>11 80 Facility Maintenance and Operation Equipment</b>
	<b>11 82 Facility Solid Waste Handling Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 82 19 00-0003 EA Electric Package Incinerator, 400 LB/Hour .....	78,334.79	1,923.26
11 82 19 00-0004 EA Electric Package Incinerator, 1,000 LB/Hour .....	265,441.47	2,884.89
<b>11 82 19 00-0005 Medical Waste Incinerator</b> <small>(11 82 19)</small>		
11 82 19 00-0006 EA Medical Waste Incinerator, 25 LB/Hour Size 2'-7" x 4'-0" .....	20,760.94	1,923.26
11 82 19 00-0007 EA Medical Waste Incinerator, 50 LB/Hour Size 2'-11" x 4'-11" .....	40,054.40	1,923.26
11 82 19 00-0008 EA Medical Waste Incinerator, 75 LB/Hour Size 3'-8" x 5'-0" .....	54,130.73	3,846.51
11 82 19 00-0009 EA Medium Waste Incinerator, 100 LB/Hour Size 3'-8" x 6'-0" .....	79,463.21	3,846.51
<b>11 82 26 Facility Waste Compactors</b> <small>(11 82)</small>		
<b>11 82 26 00-0001 110 Volt Compactors</b> <small>(11 82 26)</small>		
11 82 26 00-0002 EA Waste Compactor, 110 Volt At 75 LB/Hour.....	20,826.75	496.84
11 82 26 00-0003 EA Waste Compactor, 110 Volt At 250 LB/Hour.....	26,027.78	1,192.41
<b>11 82 26 00-0004 230 Volt Compactors</b> <small>(11 82 26)</small>		
11 82 26 00-0005 EA Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed.....	25,846.69	1,589.89
11 82 26 00-0006 EA Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed.....	29,046.87	2,086.72
<b>11 82 26 00-0007 Trash Compactors</b> <small>(11 82 26)</small>		
11 82 26 00-0008 EA Trash Compactor, Small .....	3,754.89	271.79
11 82 26 00-0009 EA Trash Compactor, Large.....	4,634.65	307.58

**END OF SECTION 11**



<b>Furnishings</b>	<b>12</b>
Operation and Maintenance of Furnishings	12 01
Operation and Maintenance of Multiple Seating	12 01 60

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 12 Furnishings

### 12 01 Operation and Maintenance of Furnishings <sup>(12)</sup>

#### 12 01 60 Operation and Maintenance of Multiple Seating <sup>(12 01)</sup>

##### 12 01 60 00-0001 Repair Fixed Auditorium Seating <sup>(12 01 60)</sup>

12 01 60 00-0002	EA	Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part.....	180.90	
12 01 60 00-0003	EA	Removal And Replacement Of Auditorium Seat Armrest Part.....	83.45	
12 01 60 00-0004	EA	Removal And Replacement Of End Armrest Part.....	117.09	
12 01 60 00-0005	EA	Removal And Replacement Of Auditorium Seat Kick Plate Part.....	136.31	
12 01 60 00-0006	EA	Removal And Replacement Of Auditorium Seat Long Back Part.....	220.33	
12 01 60 00-0007	EA	Removal And Replacement Of Auditorium Seat Center Standard Part.....	165.58	
12 01 60 00-0008	EA	Removal And Replacement Of Auditorium Seat Back Bracket Part.....	64.75	
12 01 60 00-0009	EA	Removal And Replacement Of Auditorium Seat Bracket Part.....	69.04	
12 01 60 00-0010	EA	Secure Seat To Floor.....	65.95	
12 01 60 00-0011	EA	Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor.....	68.96	
		Note: Includes drilling and fasteners.		
		For Epoxy Anchoring, Add	23.38	
		For Expansion Anchor Mounting With Anchor Caps, Add	24.38	
		For Epoxy Anchor Mounting With Anchor Caps, Add	28.04	
12 01 60 00-0012	EA	Reupholster Auditorium Seat And Back.....	200.93	
		Note: Includes removal of existing upholstery.		

### 12 20 Window Treatments <sup>(12)</sup>

#### 12 21 Window Blinds <sup>(12 20)</sup>

##### 12 21 13 Horizontal Louver Blinds <sup>(12 21)</sup>

Note: Includes headrail, brackets, cords and all hardware.

##### 12 21 13 13 Metal Horizontal Louver Blinds <sup>(12 21 13)</sup>

##### 12 21 13 13-0001 Aluminum Horizontal Louver Blinds <sup>(12 21 13 13)</sup>

12 21 13 13-0002	SF	1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	11.10	0.90
12 21 13 13-0003	SF	1" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	9.09	0.90
12 21 13 13-0004	SF	1" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	9.86	0.90
12 21 13 13-0005	SF	2" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	11.41	0.90

##### 12 21 13 33 Plastic Horizontal Louver Blinds <sup>(12 21 13)</sup>

##### 12 21 13 33-0001 Vinyl Horizontal Louver Blinds <sup>(12 21 13 33)</sup>

12 21 13 33-0002	SF	1" Slats, Vinyl Horizontal Louver Blinds.....	9.40	0.90
12 21 13 33-0003	SF	2" Slats, Vinyl Horizontal Louver Blinds.....	10.87	0.90

##### 12 21 16 Vertical Louver Blinds <sup>(12 21)</sup>

Note: Includes headrail, brackets, cords and all hardware.

##### 12 21 16 13 Metal Vertical Louver Blinds <sup>(12 21 16)</sup>

##### 12 21 16 13-0001 Aluminum Vertical Louver Blinds <sup>(12 21 16 13)</sup>

12 21 16 13-0002	SF	3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds.....	12.94	1.91
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##### 12 21 16 33 Plastic Vertical Louver Blinds <sup>(12 21 16)</sup>

##### 12 21 16 33-0001 Vinyl Vertical Louver Blinds <sup>(12 21 16 33)</sup>

12 21 16 33-0002	SF	2" Slats, Vinyl Vertical Louver Blinds.....	8.36	1.91
12 21 16 33-0003	SF	3-1/2" Slats, Vinyl Vertical Louver Blinds.....	11.69	1.91

### 12 22 Curtains and Drapes <sup>(12 20)</sup>

#### 12 22 13 Draperies <sup>(12 22)</sup>

##### 12 22 13 00-0001 Lined Draperies <sup>(12 22 13)</sup>

Note: Width dimensions are the panel width at top excluding returns and overlaps.

##### 12 22 13 00-0002 Up To 48" Wide Lined Draperies <sup>(12 22 13 00-0001)</sup>

12 22 13 00-0003	EA	Up To 39" Long, Up To 48" Wide Lined Draperies.....	321.92	13.63
12 22 13 00-0004	EA	>39" To 63" Long, Up To 48" Wide Lined Draperies.....	335.16	13.63
12 22 13 00-0005	EA	>63" To 72" Long, Up To 48" Wide Lined Draperies.....	356.68	13.63
12 22 13 00-0006	EA	>72" To 81" Long, Up To 48" Wide Lined Draperies.....	364.96	13.63
12 22 13 00-0007	EA	>81" To 90" Long, Up To 48" Wide Lined Draperies.....	384.83	13.63
12 22 13 00-0008	EA	>90" To 99" Long, Up To 48" Wide Lined Draperies.....	411.32	13.63
12 22 13 00-0009	EA	>99" To 108" Long, Up To 48" Wide Lined Draperies.....	427.87	13.63
12 22 13 00-0010	EA	>108" To 120" Long, Up To 48" Wide Lined Draperies.....	451.04	13.63

<b>12</b>	<b>Furnishings</b>
<b>12 20</b>	<b>Window Treatments</b>
<b>12 22</b>	<b>Curtains and Drapes</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

12 22 13 00-0011	EA	>120" To 130" Long, Up To 48" Wide Lined Draperies.....	487.47	13.63
<b>12 22 13 00-0012</b>		<b>&gt;48" To 72" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0013	EA	Up To 39" Long, >48" To 72" Wide Lined Draperies.....	467.48	18.52
12 22 13 00-0014	EA	>39" To 63" Long, >48" To 72" Wide Lined Draperies.....	497.28	18.52
12 22 13 00-0015	EA	>63" To 72" Long, >48" To 72" Wide Lined Draperies.....	520.45	18.52
12 22 13 00-0016	EA	>72" To 81" Long, >48" To 72" Wide Lined Draperies.....	540.32	18.52
12 22 13 00-0017	EA	>81" To 90" Long, >48" To 72" Wide Lined Draperies.....	586.67	18.52
12 22 13 00-0018	EA	>90" To 99" Long, >48" To 72" Wide Lined Draperies.....	609.85	18.52
12 22 13 00-0019	EA	>99" To 108" Long, >48" To 72" Wide Lined Draperies.....	629.72	18.52
12 22 13 00-0020	EA	>108" To 120" Long, >48" To 72" Wide Lined Draperies.....	672.76	18.52
12 22 13 00-0021	EA	>120" To 130" Long, >48" To 72" Wide Lined Draperies.....	719.11	18.52
<b>12 22 13 00-0022</b>		<b>&gt;72" To 96" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0023	EA	Up To 39" Long, >72" To 96" Wide Lined Draperies.....	619.66	23.43
12 22 13 00-0024	EA	>39" To 63" Long, >72" To 96" Wide Lined Draperies.....	662.71	23.43
12 22 13 00-0025	EA	>63" To 72" Long, >72" To 96" Wide Lined Draperies.....	682.57	23.43
12 22 13 00-0026	EA	>72" To 81" Long, >72" To 96" Wide Lined Draperies.....	728.92	23.43
12 22 13 00-0027	EA	>81" To 90" Long, >72" To 96" Wide Lined Draperies.....	771.97	23.43
12 22 13 00-0028	EA	>90" To 99" Long, >72" To 96" Wide Lined Draperies.....	815.01	23.43
12 22 13 00-0029	EA	>99" To 108" Long, >72" To 96" Wide Lined Draperies.....	838.19	23.43
12 22 13 00-0030	EA	>108" To 120" Long, >72" To 96" Wide Lined Draperies.....	884.54	23.43
12 22 13 00-0031	EA	>120" To 130" Long, >72" To 96" Wide Lined Draperies.....	947.45	23.43
<b>12 22 13 00-0032</b>		<b>&gt;96" To 120" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0033	EA	Up To 39" Long, >96" To 120" Wide Lined Draperies.....	781.78	28.33
12 22 13 00-0034	EA	>39" To 63" Long, >96" To 120" Wide Lined Draperies.....	824.82	28.33
12 22 13 00-0035	EA	>63" To 72" Long, >96" To 120" Wide Lined Draperies.....	848.00	28.33
12 22 13 00-0036	EA	>72" To 81" Long, >96" To 120" Wide Lined Draperies.....	914.21	28.33
12 22 13 00-0037	EA	>81" To 90" Long, >96" To 120" Wide Lined Draperies.....	957.26	28.33
12 22 13 00-0038	EA	>90" To 99" Long, >96" To 120" Wide Lined Draperies.....	1,003.61	28.33
12 22 13 00-0039	EA	>99" To 108" Long, >96" To 120" Wide Lined Draperies.....	901.87	28.33
12 22 13 00-0040	EA	>108" To 120" Long, >96" To 120" Wide Lined Draperies.....	1,116.19	28.33
12 22 13 00-0041	EA	>120" To 130" Long, >96" To 120" Wide Lined Draperies.....	1,149.29	28.33
<b>12 22 13 00-0042</b>		<b>&gt;120" To 144" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0043	EA	Up To 39" Long, >120" To 144" Wide Lined Draperies.....	924.01	33.23
12 22 13 00-0044	EA	>39" To 63" Long, >120" To 144" Wide Lined Draperies.....	986.92	33.23
12 22 13 00-0045	EA	>63" To 72" Long, >120" To 144" Wide Lined Draperies.....	1,010.10	33.23
12 22 13 00-0046	EA	>72" To 81" Long, >120" To 144" Wide Lined Draperies.....	1,076.32	33.23
12 22 13 00-0047	EA	>81" To 90" Long, >120" To 144" Wide Lined Draperies.....	1,142.54	33.23
12 22 13 00-0048	EA	>90" To 99" Long, >120" To 144" Wide Lined Draperies.....	1,208.76	33.23
12 22 13 00-0049	EA	>99" To 108" Long, >120" To 144" Wide Lined Draperies.....	1,274.98	33.23
12 22 13 00-0050	EA	>108" To 120" Long, >120" To 144" Wide Lined Draperies.....	1,341.20	33.23
12 22 13 00-0051	EA	>120" To 130" Long, >120" To 144" Wide Lined Draperies.....	1,423.98	33.23
<b>12 22 13 00-0052</b>		<b>&gt;144" To 168" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0053	EA	Up To 39" Long, >144" To 168" Wide Lined Draperies.....	1,086.13	38.14
12 22 13 00-0054	EA	>39" To 63" Long, >144" To 168" Wide Lined Draperies.....	1,152.35	38.14
12 22 13 00-0055	EA	>63" To 72" Long, >144" To 168" Wide Lined Draperies.....	1,202.02	38.14
12 22 13 00-0056	EA	>72" To 81" Long, >144" To 168" Wide Lined Draperies.....	1,268.23	38.14
12 22 13 00-0057	EA	>81" To 90" Long, >144" To 168" Wide Lined Draperies.....	1,334.46	38.14
12 22 13 00-0058	EA	>90" To 99" Long, >144" To 168" Wide Lined Draperies.....	1,417.23	38.14
12 22 13 00-0059	EA	>99" To 108" Long, >144" To 168" Wide Lined Draperies.....	1,483.45	38.14
12 22 13 00-0060	EA	>108" To 120" Long, >144" To 168" Wide Lined Draperies.....	1,549.67	38.14
12 22 13 00-0061	EA	>120" To 130" Long, >144" To 168" Wide Lined Draperies.....	1,665.55	38.14
<b>12 22 13 00-0062</b>		<b>&gt;168" To 192" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0063	EA	Up To 39" Long, >168" To 192" Wide Lined Draperies.....	1,228.38	43.04
12 22 13 00-0064	EA	>39" To 63" Long, >168" To 192" Wide Lined Draperies.....	1,311.16	43.04
12 22 13 00-0065	EA	>63" To 72" Long, >168" To 192" Wide Lined Draperies.....	1,360.82	43.04
12 22 13 00-0066	EA	>72" To 81" Long, >168" To 192" Wide Lined Draperies.....	1,443.60	43.04
12 22 13 00-0067	EA	>81" To 90" Long, >168" To 192" Wide Lined Draperies.....	1,509.81	43.04
12 22 13 00-0068	EA	>90" To 99" Long, >168" To 192" Wide Lined Draperies.....	1,592.59	43.04
12 22 13 00-0069	EA	>99" To 108" Long, >168" To 192" Wide Lined Draperies.....	1,725.03	43.04
12 22 13 00-0070	EA	>108" To 120" Long, >168" To 192" Wide Lined Draperies.....	1,774.69	43.04
12 22 13 00-0071	EA	>120" To 130" Long, >168" To 192" Wide Lined Draperies.....	1,890.58	43.04
<b>12 22 13 00-0072</b>		<b>&gt;192" To 216" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0073	EA	Up To 39" Long, >192" To 216" Wide Lined Draperies.....	1,387.18	47.95
12 22 13 00-0074	EA	>39" To 63" Long, >192" To 216" Wide Lined Draperies.....	1,453.41	47.95
12 22 13 00-0075	EA	>63" To 72" Long, >192" To 216" Wide Lined Draperies.....	1,519.62	47.95
12 22 13 00-0076	EA	>72" To 81" Long, >192" To 216" Wide Lined Draperies.....	1,618.95	47.95



<b>Furnishings</b>	<b>12</b>	<b>12</b>
Window Treatments	12 20	
Curtains and Drapes	12 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0077 EA >81" To 90" Long, >192" To 216" Wide Lined Draperies.....	1,718.28	47.95
12 22 13 00-0078 EA >90" To 99" Long, >192" To 216" Wide Lined Draperies.....	1,817.61	47.95
12 22 13 00-0079 EA >99" To 108" Long, >192" To 216" Wide Lined Draperies.....	1,900.39	47.95
12 22 13 00-0080 EA >108" To 120" Long, >192" To 216" Wide Lined Draperies.....	1,983.16	47.95
12 22 13 00-0081 EA >120" To 130" Long, >192" To 216" Wide Lined Draperies.....	2,132.16	47.95
<b>12 22 13 00-0082 &gt;216" To 240" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0083 EA Up To 39" Long, >216" To 240" Wide Lined Draperies.....	1,529.43	52.85
12 22 13 00-0084 EA >39" To 63" Long, >216" To 240" Wide Lined Draperies.....	1,645.32	52.85
12 22 13 00-0085 EA >63" To 72" Long, >216" To 240" Wide Lined Draperies.....	1,694.98	52.85
12 22 13 00-0086 EA >72" To 81" Long, >216" To 240" Wide Lined Draperies.....	1,794.31	52.85
12 22 13 00-0087 EA >81" To 90" Long, >216" To 240" Wide Lined Draperies.....	1,910.20	52.85
12 22 13 00-0088 EA >90" To 99" Long, >216" To 240" Wide Lined Draperies.....	2,009.53	52.85
12 22 13 00-0089 EA >99" To 108" Long, >216" To 240" Wide Lined Draperies.....	2,108.86	52.85
12 22 13 00-0090 EA >108" To 120" Long, >216" To 240" Wide Lined Draperies.....	2,208.19	52.85
12 22 13 00-0091 EA >120" To 130" Long, >216" To 240" Wide Lined Draperies.....	2,373.73	52.85
<b>12 22 16 Drapery Track and Accessories (12 22)</b>		
<b>12 22 16 00-0001 Metal Wall Or Ceiling Mount Drapery Tracks (12 22 16)</b>		
<b>12 22 16 00-0002 Basic Traverse Rod (12 22 16 00-0001)</b>		
12 22 16 00-0003 EA Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	117.84	42.98
12 22 16 00-0004 EA Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	134.66	42.98
12 22 16 00-0005 EA Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	158.58	47.75
12 22 16 00-0006 EA Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	211.10	47.75
12 22 16 00-0007 EA Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track.....	220.96	52.53
<b>12 22 16 00-0008 Traverse Rod With Stationary Curtain Rod (12 22 16 00-0001)</b>		
12 22 16 00-0009 EA Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	133.96	42.98
12 22 16 00-0010 EA Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	144.82	42.98
12 22 16 00-0011 EA Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	184.15	47.75
12 22 16 00-0012 EA Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	210.80	52.53
<b>12 22 16 00-0013 Double Traverse Rod (12 22 16 00-0001)</b>		
12 22 16 00-0014 EA Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	161.64	42.98
12 22 16 00-0015 EA Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	194.57	42.98
12 22 16 00-0016 EA Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	241.79	47.75
12 22 16 00-0017 EA Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	262.30	52.53
<b>12 22 16 00-0018 Curtain Rods (12 22 16 00-0001)</b>		
12 22 16 00-0019 LF Standard Metal Curtain Rod, White.....	8.95	1.96
<b>12 22 16 00-0020 Relocate Drapery And Rod (12 22 16 00-0001)</b>		
12 22 16 00-0021 LF Relocate Any Type Of Drapery And Any Type Rod.....	28.65	
Note: Includes storage and cleaning.		
<b>12 22 16 00-0022 Motorized Drapery Track (12 22 16)</b>		
12 22 16 00-0023 EA 2' To 4' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,291.09	109.75
12 22 16 00-0024 EA >4' To 5' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,346.98	120.73
12 22 16 00-0025 EA >5' To 6' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,402.85	131.70
12 22 16 00-0026 EA >6' To 7' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,458.71	142.68
12 22 16 00-0027 EA >7' To 8' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,514.59	153.65
12 22 16 00-0028 EA >8' To 9' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,570.46	164.63
12 22 16 00-0029 EA >9' To 10' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,626.33	175.60
12 22 16 00-0030 EA >10' To 11' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,682.20	186.58
12 22 16 00-0031 EA >11' To 12' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,738.07	197.56
12 22 16 00-0032 EA >12' To 13' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,793.94	208.53
12 22 16 00-0033 EA >13' To 14' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,849.81	219.50
12 22 16 00-0034 EA >14' To 15' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,905.68	230.48
12 22 16 00-0035 EA >15' To 16' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,961.56	241.46
12 22 16 00-0036 EA >16' To 17' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,017.43	252.43
12 22 16 00-0037 EA >17' To 18' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,073.30	263.41
12 22 16 00-0038 EA >18' To 19' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,129.17	274.39
12 22 16 00-0039 EA >19' To 20' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,185.05	285.35
12 22 16 00-0040 EA >20' To 21' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,240.91	296.33
12 22 16 00-0041 EA >21' To 22' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,296.79	307.31
12 22 16 00-0042 EA >22' To 23' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,352.66	318.28
12 22 16 00-0043 EA >23' To 24' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,408.52	329.26

12 23 Interior Shutters (12 20)

**12 Furnishings**  
**12 20 Window Treatments**  
**12 23 Interior Shutters**



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

12 23 00 00-0001	<b>Interior Plantation Shutters</b> <small>(12 23)</small>			
	Note: Mixture of white pine and poplar wood, stile: 1-3/4" x 1-1/8" thick, blade: 3/8" x 2-3/8", top and bottom rail: 4" x 1-5/16" thick. 36" To 48" heights do not have center rail, 52" to 80" with center rail. Center rail: 2" x 15/16"			
12 23 00 00-0002	<b>12" Wide</b> <small>(12 23 00 00-0001)</small>			
12 23 00 00-0003	PR	12" x 36" Plantation Shutter .....	267.14	32.92
12 23 00 00-0004	PR	12" x 40" Plantation Shutter .....	297.24	34.57
12 23 00 00-0005	PR	12" x 44" Plantation Shutter .....	324.55	36.21
12 23 00 00-0006	PR	12" x 48" Plantation Shutter .....	351.86	37.86
12 23 00 00-0007	PR	12" x 52" Plantation Shutter .....	379.17	39.51
12 23 00 00-0008	PR	12" x 56" Plantation Shutter .....	406.49	41.15
12 23 00 00-0009	PR	12" x 60" Plantation Shutter .....	408.68	42.80
12 23 00 00-0010	PR	12" x 64" Plantation Shutter .....	461.11	44.45
12 23 00 00-0011	PR	12" x 68" Plantation Shutter .....	488.41	46.09
12 23 00 00-0012	PR	12" x 72" Plantation Shutter .....	515.73	47.74
12 23 00 00-0013	PR	12" x 76" Plantation Shutter .....	543.03	49.39
12 23 00 00-0014	PR	12" x 80" Plantation Shutter .....	570.35	51.03
12 23 00 00-0015	<b>14" Wide</b> <small>(12 23 00 00-0001)</small>			
12 23 00 00-0016	PR	14" x 36" Plantation Shutter .....	278.31	32.92
12 23 00 00-0017	PR	14" x 40" Plantation Shutter .....	308.40	34.57
12 23 00 00-0018	PR	14" x 44" Plantation Shutter .....	335.72	36.21
12 23 00 00-0019	PR	14" x 48" Plantation Shutter .....	363.02	37.86
12 23 00 00-0020	PR	14" x 52" Plantation Shutter .....	393.13	39.51
12 23 00 00-0021	PR	14" x 56" Plantation Shutter .....	420.44	41.15
12 23 00 00-0022	PR	14" x 60" Plantation Shutter .....	447.75	42.80
12 23 00 00-0023	PR	14" x 64" Plantation Shutter .....	477.85	44.45
12 23 00 00-0024	PR	14" x 68" Plantation Shutter .....	505.16	46.09
12 23 00 00-0025	PR	14" x 72" Plantation Shutter .....	532.47	47.74
12 23 00 00-0026	PR	14" x 76" Plantation Shutter .....	562.57	49.39
12 23 00 00-0027	PR	14" x 80" Plantation Shutter .....	589.88	51.03
12 23 00 00-0028	<b>15" Wide</b> <small>(12 23 00 00-0001)</small>			
12 23 00 00-0029	PR	15" x 36" Plantation Shutter .....	289.47	32.92
12 23 00 00-0030	PR	15" x 40" Plantation Shutter .....	319.56	34.57
12 23 00 00-0031	PR	15" x 44" Plantation Shutter .....	346.88	36.21
12 23 00 00-0032	PR	15" x 48" Plantation Shutter .....	374.18	37.86
12 23 00 00-0033	PR	15" x 52" Plantation Shutter .....	404.29	39.51
12 23 00 00-0034	PR	15" x 56" Plantation Shutter .....	434.39	41.15
12 23 00 00-0035	PR	15" x 60" Plantation Shutter .....	464.49	42.80
12 23 00 00-0036	PR	15" x 64" Plantation Shutter .....	494.59	44.45
12 23 00 00-0037	PR	15" x 68" Plantation Shutter .....	524.69	46.09
12 23 00 00-0038	PR	15" x 72" Plantation Shutter .....	552.01	47.74
12 23 00 00-0039	PR	15" x 76" Plantation Shutter .....	582.10	49.39
12 23 00 00-0040	PR	15" x 80" Plantation Shutter .....	612.21	51.03
12 23 00 00-0041	<b>16" Wide</b> <small>(12 23 00 00-0001)</small>			
12 23 00 00-0042	PR	16" x 36" Plantation Shutter .....	306.21	32.92
12 23 00 00-0043	PR	16" x 40" Plantation Shutter .....	339.10	34.57
12 23 00 00-0044	PR	16" x 44" Plantation Shutter .....	369.20	36.21
12 23 00 00-0045	PR	16" x 48" Plantation Shutter .....	402.09	37.86
12 23 00 00-0046	PR	16" x 52" Plantation Shutter .....	432.19	39.51
12 23 00 00-0047	PR	16" x 56" Plantation Shutter .....	462.30	41.15
12 23 00 00-0048	PR	16" x 60" Plantation Shutter .....	492.39	42.80
12 23 00 00-0049	PR	16" x 64" Plantation Shutter .....	528.08	44.45
12 23 00 00-0050	PR	16" x 68" Plantation Shutter .....	558.18	46.09
12 23 00 00-0051	PR	16" x 72" Plantation Shutter .....	588.28	47.74
12 23 00 00-0052	PR	16" x 76" Plantation Shutter .....	621.17	49.39
12 23 00 00-0053	PR	16" x 80" Plantation Shutter .....	651.27	51.03
12 23 00 00-0054	<b>18" Wide</b> <small>(12 23 00 00-0001)</small>			
12 23 00 00-0055	PR	18" x 36" Plantation Shutter .....	331.33	32.92
12 23 00 00-0056	PR	18" x 40" Plantation Shutter .....	364.21	34.57
12 23 00 00-0057	PR	18" x 44" Plantation Shutter .....	397.11	36.21
12 23 00 00-0058	PR	18" x 48" Plantation Shutter .....	432.78	37.86
12 23 00 00-0059	PR	18" x 52" Plantation Shutter .....	465.68	39.51
12 23 00 00-0060	PR	18" x 56" Plantation Shutter .....	501.37	41.15
12 23 00 00-0061	PR	18" x 60" Plantation Shutter .....	534.25	42.80
12 23 00 00-0062	PR	18" x 64" Plantation Shutter .....	567.15	44.45
12 23 00 00-0063	PR	18" x 68" Plantation Shutter .....	600.04	46.09
12 23 00 00-0064	PR	18" x 72" Plantation Shutter .....	635.72	47.74
12 23 00 00-0065	PR	18" x 76" Plantation Shutter .....	668.61	49.39
12 23 00 00-0066	PR	18" x 80" Plantation Shutter .....	704.29	51.03
12 23 00 00-0067	<b>20" Wide</b> <small>(12 23 00 00-0001)</small>			



<b>Furnishings</b>	<b>12</b>
Window Treatments	12 20
Interior Shutters	12 23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 00 00-0068 PR 20" x 36" Plantation Shutter.....	359.23	32.92
12 23 00 00-0069 PR 20" x 40" Plantation Shutter.....	397.70	34.57
12 23 00 00-0070 PR 20" x 44" Plantation Shutter.....	433.39	36.21
12 23 00 00-0071 PR 20" x 48" Plantation Shutter.....	469.06	37.86
12 23 00 00-0072 PR 20" x 52" Plantation Shutter.....	507.54	39.51
12 23 00 00-0073 PR 20" x 56" Plantation Shutter.....	543.23	41.15
12 23 00 00-0074 PR 20" x 60" Plantation Shutter.....	581.69	42.80
12 23 00 00-0075 PR 20" x 64" Plantation Shutter.....	617.38	44.45
12 23 00 00-0076 PR 20" x 68" Plantation Shutter.....	655.85	46.09
12 23 00 00-0077 PR 20" x 72" Plantation Shutter.....	691.53	47.74
12 23 00 00-0078 PR 20" x 76" Plantation Shutter.....	730.00	49.39
12 23 00 00-0079 PR 20" x 80" Plantation Shutter.....	765.69	51.03
<b>12 23 00 00-0080 22" Wide</b> <small>(12 23 00 00-0001)</small>		
12 23 00 00-0081 PR 22" x 36" Plantation Shutter.....	381.56	32.92
12 23 00 00-0082 PR 22" x 40" Plantation Shutter.....	422.81	34.57
12 23 00 00-0083 PR 22" x 44" Plantation Shutter.....	461.29	36.21
12 23 00 00-0084 PR 22" x 48" Plantation Shutter.....	4,685.57	37.86
12 23 00 00-0085 PR 22" x 52" Plantation Shutter.....	541.03	39.51
12 23 00 00-0086 PR 22" x 56" Plantation Shutter.....	579.50	41.15
12 23 00 00-0087 PR 22" x 60" Plantation Shutter.....	617.97	42.80
12 23 00 00-0088 PR 22" x 64" Plantation Shutter.....	659.24	44.45
12 23 00 00-0089 PR 22" x 68" Plantation Shutter.....	697.70	46.09
12 23 00 00-0090 PR 22" x 72" Plantation Shutter.....	738.97	47.74
12 23 00 00-0091 PR 22" x 76" Plantation Shutter.....	777.44	49.39
12 23 00 00-0092 PR 22" x 80" Plantation Shutter.....	818.71	51.03
<b>12 23 00 00-0093 24" Wide</b> <small>(12 23 00 00-0001)</small>		
12 23 00 00-0094 PR 24" x 36" Plantation Shutter.....	403.88	32.92
12 23 00 00-0095 PR 24" x 40" Plantation Shutter.....	447.93	34.57
12 23 00 00-0096 PR 24" x 44" Plantation Shutter.....	489.20	36.21
12 23 00 00-0097 PR 24" x 48" Plantation Shutter.....	533.24	37.86
12 23 00 00-0098 PR 24" x 52" Plantation Shutter.....	574.51	39.51
12 23 00 00-0099 PR 24" x 56" Plantation Shutter.....	615.78	41.15
12 23 00 00-0100 PR 24" x 60" Plantation Shutter.....	657.04	42.80
12 23 00 00-0101 PR 24" x 64" Plantation Shutter.....	701.10	44.45
12 23 00 00-0102 PR 24" x 68" Plantation Shutter.....	742.35	46.09
12 23 00 00-0103 PR 24" x 72" Plantation Shutter.....	786.41	47.74
12 23 00 00-0104 PR 24" x 76" Plantation Shutter.....	827.67	49.39
12 23 00 00-0105 PR 24" x 80" Plantation Shutter.....	871.73	51.03
<b>12 24 Window Shades</b> <small>(12 20)</small>		
<b>12 24 13 Roller Window Shades</b> <small>(12 24)</small>		
12 24 13 00-0001 Roller Window Shades <small>(12 24 13)</small>		
12 24 13 00-0002 Vinyl Coated Fiberglass, Roller Window Shades <small>(12 24 13 00-0001)</small>		
Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0003 SF 0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades.....	14.15	0.65
12 24 13 00-0004 SF 1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades.....	14.15	0.65
12 24 13 00-0005 Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades <small>(12 24 13 00-0001)</small>		
Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0006 SF 0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades.....	18.09	0.65
12 24 13 00-0007 Vinyl Coated Polyester, Roller Window Shades <small>(12 24 13 00-0001)</small>		
Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0008 SF 1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades.....	14.15	0.65
12 24 13 00-0009 Motorized Lightproof Shades <small>(12 24 13)</small>		
12 24 13 00-0010 SF Motorized Lightproof Shades, Up To 144" Width.....	40.97	2.39
<b>12 30 Casework</b> <small>(12)</small>		
<b>12 31 Manufactured Metal Casework</b> <small>(12 30)</small>		
<b>12 31 16 Manufactured Metal Sandwich Panel Casework</b> <small>(12 31)</small>		
12 31 16 00-0001 34-1/2" High x 24" Deep, Stainless Steel Cabinets <small>(12 31 16)</small>		
12 31 16 00-0002 18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets <small>(12 31 16 00-0001)</small>		

**12 Furnishings****12 30 Casework****12 31 Manufactured Metal Casework**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
12 31 16 00-0003	<b>18" Stainless Steel Base Cabinet</b> <small>(12 31 16 00-0002)</small>		
12 31 16 00-0004	EA 18" Stainless Steel Base Cabinet, No Doors Or Drawers .....	1,672.19	263.76
	For 16 Gauge Stainless Steel, Add	246.07	
	For >5 To 9, Deduct	-60.09	
	For >9, Deduct	-120.17	
12 31 16 00-0005	EA 18" Stainless Steel Base Cabinet, With 4 Drawers .....	2,644.30	263.76
	For 16 Gauge Stainless Steel, Add	455.07	
	For >5 To 9, Deduct	-111.12	
	For >9, Deduct	-222.25	
12 31 16 00-0006	EA 18" Stainless Steel Base Cabinet, With 3 Drawers .....	2,460.87	263.76
	For 16 Gauge Stainless Steel, Add	415.64	
	For >5 To 9, Deduct	-101.49	
	For >9, Deduct	-202.98	
12 31 16 00-0007	EA 18" Stainless Steel Base Cabinet, With 2 Drawers .....	2,277.44	263.76
	For 16 Gauge Stainless Steel, Add	376.20	
	For >5 To 9, Deduct	-91.86	
	For >9, Deduct	-183.72	
12 31 16 00-0008	EA 18" Stainless Steel Base Cabinet, With Doors And Drawers .....	2,215.19	263.76
	For 16 Gauge Stainless Steel, Add	362.81	
	For >5 To 9, Deduct	-88.59	
	For >9, Deduct	-177.19	
12 31 16 00-0009	<b>24" Stainless Steel Base Cabinet</b> <small>(12 31 16 00-0002)</small>		
12 31 16 00-0010	EA 24" Stainless Steel Base Cabinet, With Doors And Locks .....	2,375.01	285.07
	For 16 Gauge Stainless Steel, Add	387.96	
	For >5 To 9, Deduct	-94.73	
	For >9, Deduct	-189.47	
12 31 16 00-0011	EA 24" Stainless Steel Base Cabinet, With Door, No Locks .....	2,151.18	285.07
	For 16 Gauge Stainless Steel, Add	339.84	
	For >5 To 9, Deduct	-82.98	
	For >9, Deduct	-165.97	
12 31 16 00-0012	EA 24" Stainless Steel Base Cabinet, With Two Doors, No Locks .....	2,200.18	285.07
	For 16 Gauge Stainless Steel, Add	350.37	
	For >5 To 9, Deduct	-85.56	
	For >9, Deduct	-171.11	
12 31 16 00-0013	EA 24" Stainless Steel Base Cabinet, No Doors, 2 Drawers .....	2,427.98	285.07
	For 16 Gauge Stainless Steel, Add	399.35	
	For >5 To 9, Deduct	-97.52	
	For >9, Deduct	-195.03	
12 31 16 00-0014	EA 24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks .....	3,118.66	285.07
	For 16 Gauge Stainless Steel, Add	547.84	
	For >5 To 9, Deduct	-133.78	
	For >9, Deduct	-267.55	
12 31 16 00-0015	EA 24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks .....	3,414.66	285.07
	For 16 Gauge Stainless Steel, Add	611.48	
	For >5 To 9, Deduct	-149.32	
	For >9, Deduct	-298.63	
12 31 16 00-0016	<b>30" Stainless Steel Base Cabinet</b> <small>(12 31 16 00-0002)</small>		
12 31 16 00-0017	EA 30" Stainless Steel Base Cabinet, No Doors, No Drawers .....	2,111.89	300.40
	For 16 Gauge Stainless Steel, Add	324.93	
	For >5 To 9, Deduct	-79.34	
	For >9, Deduct	-158.69	
12 31 16 00-0018	EA 30" Stainless Steel Base Cabinet, With 4 Full Size Drawers .....	3,009.83	300.40
	For 16 Gauge Stainless Steel, Add	517.99	
	For >5 To 9, Deduct	-126.49	
	For >9, Deduct	-252.97	
12 31 16 00-0019	EA 30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks .....	3,835.59	300.40
	For 16 Gauge Stainless Steel, Add	695.53	
	For >5 To 9, Deduct	-169.84	
	For >9, Deduct	-339.68	
12 31 16 00-0020	EA 30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks .....	3,539.59	300.40
	For 16 Gauge Stainless Steel, Add	631.89	
	For >5 To 9, Deduct	-154.30	
	For >9, Deduct	-308.60	
12 31 16 00-0021	EA 30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer .....	3,356.16	300.40
	For 16 Gauge Stainless Steel, Add	592.45	
	For >5 To 9, Deduct	-144.67	
	For >9, Deduct	-289.34	
12 31 16 00-0022	EA 30" Stainless Steel Base Cabinet, With Doors, No Locks .....	2,611.85	300.40
	For 16 Gauge Stainless Steel, Add	432.42	
	For >5 To 9, Deduct	-105.59	
	For >9, Deduct	-211.18	
12 31 16 00-0023	EA 30" Stainless Steel Base Cabinet, With Doors And Locks .....	2,589.33	300.40
	For 16 Gauge Stainless Steel, Add	427.58	
	For >5 To 9, Deduct	-104.41	
	For >9, Deduct	-208.82	
12 31 16 00-0024	<b>36" Stainless Steel Base Cabinet</b> <small>(12 31 16 00-0002)</small>		





<b>Furnishings</b>	<b>12</b>
Casework	12 30
Manufactured Metal Casework	12 31

12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0025	EA		36" Stainless Steel Base Cabinet, No Doors, No Drawers ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,324.70 365.38 -89.22 -178.44	312.32
12 31 16 00-0026	EA		36" Stainless Steel Base Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,802.81 468.17 -114.32 -228.64	312.32
12 31 16 00-0027	EA		36" Stainless Steel Base Cabinet, With Door, No Lock ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,626.67 430.30 -105.07 -210.15	312.32
12 31 16 00-0028	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	4,046.42 735.55 -179.61 -359.22	312.32
12 31 16 00-0029	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,751.08 672.05 -164.11 -328.21	312.32
<b>12 31 16 00-0030</b>			<b>42" Stainless Steel Base Cabinet</b> (12 31 16 00-0002)		
12 31 16 00-0031	EA		42" Stainless Steel Base Cabinet, No Doors, No Drawers ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,442.04 382.30 -93.35 -186.70	331.92
12 31 16 00-0032	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	4,269.05 775.10 -189.27 -378.54	331.92
12 31 16 00-0033	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,973.05 711.46 -173.73 -347.46	331.92
12 31 16 00-0034	EA		42" Stainless Steel Base Cabinet, No Doors, 2 Drawers..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,666.45 645.54 -157.63 -315.27	331.92
12 31 16 00-0035	EA		42" Stainless Steel Base Cabinet, With Doors, No Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,849.95 470.00 -114.77 -229.53	331.92
12 31 16 00-0036	EA		42" Stainless Steel Base Cabinet, With Doors And Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,023.45 507.30 -123.88 -247.75	331.92
<b>12 31 16 00-0037</b>			<b>48" Stainless Steel Base Cabinet</b> (12 31 16 00-0002)		
12 31 16 00-0038	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	4,473.41 815.86 -199.22 -398.44	339.59
12 31 16 00-0039	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	4,178.07 752.36 -183.72 -367.43	339.59
12 31 16 00-0040	EA		48" Stainless Steel Base Cabinet, No Doors, No Drawers ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,646.40 423.05 -103.30 -206.61	339.59
12 31 16 00-0041	EA		48" Stainless Steel Base Cabinet, No Doors, 2 Drawers..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,871.47 686.44 -167.62 -335.24	339.59
12 31 16 00-0042	EA		48" Stainless Steel Base Cabinet, With Doors, And Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,229.80 548.48 -133.93 -267.86	339.59
12 31 16 00-0043	EA		48" Stainless Steel Base Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,182.12 538.23 -131.43 -262.86	339.59
<b>12 31 16 00-0044</b>			<b>60" Stainless Steel Base Cabinet</b> (12 31 16 00-0002)		
12 31 16 00-0045	EA		24" Deep x 60" Wide Stainless Steel Sink Base Cabinet..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,154.67 527.86 -128.90 -257.79	349.94
<b>12 31 16 00-0046</b>			<b>18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets</b> (12 31 16 00-0001)		

**12 Furnishings****12 30 Casework****12 31 Manufactured Metal Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0047			<b>12" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0048	EA		12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,249.82	100.42
			For 16 Gauge Stainless Steel, Add	225.53	
			For >5 To 9, Deduct	-55.07	
			For >9, Deduct	-110.14	
12 31 16 00-0049	EA		12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,247.87	106.50
			For 16 Gauge Stainless Steel, Add	222.49	
			For >5 To 9, Deduct	-54.33	
			For >9, Deduct	-108.66	
12 31 16 00-0050			<b>18" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0051	EA		18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,311.43	107.96
			For 16 Gauge Stainless Steel, Add	235.50	
			For >5 To 9, Deduct	-57.51	
			For >9, Deduct	-115.01	
12 31 16 00-0052	EA		18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,239.26	107.96
			For 16 Gauge Stainless Steel, Add	219.99	
			For >5 To 9, Deduct	-53.72	
			For >9, Deduct	-107.43	
12 31 16 00-0053	EA		18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,449.62	117.45
			For 16 Gauge Stainless Steel, Add	261.15	
			For >5 To 9, Deduct	-63.77	
			For >9, Deduct	-127.54	
12 31 16 00-0054	EA		18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,405.25	117.45
			For 16 Gauge Stainless Steel, Add	251.61	
			For >5 To 9, Deduct	-61.44	
			For >9, Deduct	-122.88	
12 31 16 00-0055			<b>24" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0056	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door.....	1,101.93	119.53
			For 16 Gauge Stainless Steel, Add	185.53	
			For >5 To 9, Deduct	-45.30	
			For >9, Deduct	-90.61	
12 31 16 00-0057	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,479.39	119.53
			For 16 Gauge Stainless Steel, Add	266.69	
			For >5 To 9, Deduct	-65.12	
			For >9, Deduct	-130.24	
12 31 16 00-0058	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,407.87	119.53
			For 16 Gauge Stainless Steel, Add	251.31	
			For >5 To 9, Deduct	-61.37	
			For >9, Deduct	-122.73	
12 31 16 00-0059	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,392.43	111.61
			For 16 Gauge Stainless Steel, Add	251.33	
			For >5 To 9, Deduct	-61.37	
			For >9, Deduct	-122.74	
12 31 16 00-0060	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,316.27	111.61
			For 16 Gauge Stainless Steel, Add	234.95	
			For >5 To 9, Deduct	-57.37	
			For >9, Deduct	-114.74	
12 31 16 00-0061	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock.....	1,673.20	111.61
			For 16 Gauge Stainless Steel, Add	311.69	
			For >5 To 9, Deduct	-76.11	
			For >9, Deduct	-152.22	
12 31 16 00-0062	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,010.34	111.61
			For 16 Gauge Stainless Steel, Add	169.18	
			For >5 To 9, Deduct	-41.31	
			For >9, Deduct	-82.62	
12 31 16 00-0063	EA		24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors.....	951.86	106.50
			For 16 Gauge Stainless Steel, Add	158.85	
			For >5 To 9, Deduct	-38.79	
			For >9, Deduct	-77.58	
12 31 16 00-0064			<b>30" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0065	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,907.67	126.95
			For 16 Gauge Stainless Steel, Add	355.55	
			For >5 To 9, Deduct	-86.82	
			For >9, Deduct	-173.64	
12 31 16 00-0066	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,734.17	126.95
			For 16 Gauge Stainless Steel, Add	318.25	
			For >5 To 9, Deduct	-77.71	
			For >9, Deduct	-155.43	
12 31 16 00-0067	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,182.56	126.95
			For 16 Gauge Stainless Steel, Add	199.66	
			For >5 To 9, Deduct	-48.75	
			For >9, Deduct	-97.51	
12 31 16 00-0068	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,813.04	116.85
			For 16 Gauge Stainless Steel, Add	339.54	
			For >5 To 9, Deduct	-82.91	
			For >9, Deduct	-165.82	



<b>Furnishings</b>	<b>12</b>
Casework	12 30
Manufactured Metal Casework	12 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0069 EA 30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock .....	1,639.54	116.85
For 16 Gauge Stainless Steel, Add	302.24	
For >5 To 9, Deduct	-73.60	
For >9, Deduct	-147.61	
12 31 16 00-0070 EA 30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,087.93	116.85
For 16 Gauge Stainless Steel, Add	183.64	
For >5 To 9, Deduct	-44.84	
For >9, Deduct	-89.69	
12 31 16 00-0071 EA 30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors.....	1,029.01	111.37
For 16 Gauge Stainless Steel, Add	173.37	
For >5 To 9, Deduct	-42.33	
For >9, Deduct	-84.67	
<b>12 31 16 00-0072 36" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0073 EA 36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,983.27	130.61
For 16 Gauge Stainless Steel, Add	370.25	
For >5 To 9, Deduct	-90.41	
For >9, Deduct	-180.82	
12 31 16 00-0074 EA 36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks .....	1,805.80	130.61
For 16 Gauge Stainless Steel, Add	332.09	
For >5 To 9, Deduct	-81.09	
For >9, Deduct	-162.18	
12 31 16 00-0075 EA 36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,258.17	130.61
For 16 Gauge Stainless Steel, Add	214.35	
For >5 To 9, Deduct	-52.34	
For >9, Deduct	-104.68	
12 31 16 00-0076 EA 36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,887.30	119.53
For 16 Gauge Stainless Steel, Add	354.39	
For >5 To 9, Deduct	-86.54	
For >9, Deduct	-173.07	
12 31 16 00-0077 EA 36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks .....	1,714.47	119.53
For 16 Gauge Stainless Steel, Add	317.23	
For >5 To 9, Deduct	-77.46	
For >9, Deduct	-154.93	
12 31 16 00-0078 EA 36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,162.19	119.53
For 16 Gauge Stainless Steel, Add	198.49	
For >5 To 9, Deduct	-48.47	
For >9, Deduct	-96.94	
12 31 16 00-0079 EA 36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks .....	1,104.45	113.81
For 16 Gauge Stainless Steel, Add	188.51	
For >5 To 9, Deduct	-46.03	
For >9, Deduct	-92.06	
<b>12 31 16 00-0080 42" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0081 EA 42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks .....	2,089.47	164.32
For 16 Gauge Stainless Steel, Add	378.63	
For >5 To 9, Deduct	-92.46	
For >9, Deduct	-184.91	
12 31 16 00-0082 EA 42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,089.35	155.06
For 16 Gauge Stainless Steel, Add	382.57	
For >5 To 9, Deduct	-93.42	
For >9, Deduct	-186.83	
12 31 16 00-0083 EA 42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks .....	1,913.20	155.06
For 16 Gauge Stainless Steel, Add	344.69	
For >5 To 9, Deduct	-84.17	
For >9, Deduct	-168.34	
12 31 16 00-0084 EA 42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,362.91	155.06
For 16 Gauge Stainless Steel, Add	226.38	
For >5 To 9, Deduct	-55.28	
For >9, Deduct	-110.56	
12 31 16 00-0085 EA 42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,963.59	130.23
For 16 Gauge Stainless Steel, Add	366.18	
For >5 To 9, Deduct	-89.41	
For >9, Deduct	-178.83	
12 31 16 00-0086 EA 42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks .....	1,788.77	130.23
For 16 Gauge Stainless Steel, Add	328.59	
For >5 To 9, Deduct	-80.24	
For >9, Deduct	-160.47	
12 31 16 00-0087 EA 42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,238.48	130.23
For 16 Gauge Stainless Steel, Add	210.28	
For >5 To 9, Deduct	-51.35	
For >9, Deduct	-102.69	
<b>12 31 16 00-0088 48" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0089 EA 48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks.....	1,848.12	164.32
For 16 Gauge Stainless Steel, Add	325.32	
For >5 To 9, Deduct	-79.44	
For >9, Deduct	-158.88	
12 31 16 00-0090 EA 48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,163.47	158.48
For 16 Gauge Stainless Steel, Add	397.00	
For >5 To 9, Deduct	-96.94	
For >9, Deduct	-193.88	

**12 Furnishings**  
**12 30 Casework**  
**12 31 Manufactured Metal Casework**



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
12 31 16 00-0091	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,989.97	158.48
		<i>For 16 Gauge Stainless Steel, Add</i>	359.69	
		<i>For &gt;5 To 9, Deduct</i>	-87.83	
		<i>For &gt;9, Deduct</i>	-175.66	
12 31 16 00-0092	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,438.36	158.48
		<i>For 16 Gauge Stainless Steel, Add</i>	241.10	
		<i>For &gt;5 To 9, Deduct</i>	-58.87	
		<i>For &gt;9, Deduct</i>	-117.74	
12 31 16 00-0093	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,036.17	131.45
		<i>For 16 Gauge Stainless Steel, Add</i>	381.21	
		<i>For &gt;5 To 9, Deduct</i>	-93.09	
		<i>For &gt;9, Deduct</i>	-186.17	
12 31 16 00-0094	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,863.33	131.45
		<i>For 16 Gauge Stainless Steel, Add</i>	344.05	
		<i>For &gt;5 To 9, Deduct</i>	-84.01	
		<i>For &gt;9, Deduct</i>	-168.03	
12 31 16 00-0095	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,311.06	131.45
		<i>For 16 Gauge Stainless Steel, Add</i>	225.32	
		<i>For &gt;5 To 9, Deduct</i>	-55.02	
		<i>For &gt;9, Deduct</i>	-110.04	
12 31 16 00-0096		<b>Accessories</b> <small>(12 31 16 00-0001)</small>		
12 31 16 00-0097		<b>Stainless Steel Countertops</b> <small>(12 31 16 00-0096)</small> Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.		
12 31 16 00-0098	SF	16 Gauge Stainless Steel Countertop With Backsplash.....	128.08	6.70
		<i>For 14 Gauge Stainless Steel, Add</i>	25.35	
12 31 16 00-0099	SF	16 Gauge Stainless Steel Countertop Without Backsplash.....	117.35	6.70
		<i>For 14 Gauge Stainless Steel, Add</i>	22.98	
12 31 16 00-0100	EA	Cutout For Sink And/Or Faucet In Stainless Steel Countertop.....	163.39	
12 31 16 00-0101		<b>Stainless Steel Wall Panels</b> <small>(12 31 16 00-0096)</small>		
12 31 16 00-0102	SF	20 Gauge Stainless Steel Wall Panel.....	34.83	9.98
		<i>For 18 Gauge Stainless Steel, Add</i>	4.05	
		<i>For 16 Gauge Stainless Steel, Add</i>	7.79	
12 31 16 00-0103		<b>Pedestal Legs</b> <small>(12 31 16 00-0096)</small>		
12 31 16 00-0104	EA	Type #304 Stainless Steel Pedestal Leg.....	269.72	15.22
12 31 16 00-0105		<b>Stainless Steel Slanted Cabinet Top Enclosure</b> <small>(12 31 16 00-0096)</small>		
12 31 16 00-0106	EA	Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections.....	297.02	27.24
12 35		<b>Specialty Casework</b> <small>(12 30)</small>		
12 35 70		<b>Healthcare Casework</b> <small>(12 35)</small>		
12 35 70 13		<b>Hospital Casework</b> <small>(12 35 70)</small>		
12 35 70 13-0001		<b>Hospital Cabinets</b> <small>(12 35 70 13)</small>		
12 35 70 13-0002	LF	Hospital Base Cabinet, Laminated Plastic.....	542.30	87.18
12 35 70 13-0003	LF	Hospital Base Cabinet, Enameled Steel.....	629.64	87.18
12 35 70 13-0004	LF	Hospital Base Cabinet, Stainless Steel.....	964.14	87.18
12 35 70 13-0005	LF	Hospital Cabinet Base Trim, 4" High Enameled Steel.....	68.19	4.36
12 35 70 13-0006	LF	Hospital Cabinet Base Trim, 4" High Stainless Steel.....	143.45	4.36
12 35 70 13-0007	LF	Hospital Counter Top, Laminated Plastic Without Backsplash.....	110.49	21.79
12 35 70 13-0008	LF	Hospital Counter Top, Laminated Plastic With Backsplash.....	121.64	21.79
12 35 70 13-0009	LF	Hospital Counter Top, Stainless Steel.....	257.29	21.79
12 35 70 13-0010	LF	Hospital Wall Cabinet, Laminated Plastic.....	441.80	58.30
12 35 70 13-0011	LF	Hospital Wall Cabinet, Enameled Steel.....	534.72	58.30
12 35 70 13-0012	LF	Hospital Wall Cabinet, Stainless Steel.....	813.46	58.30
12 36		<b>Countertops</b> <small>(12 30)</small>		
12 36 23		<b>Plastic Countertops</b> <small>(12 36)</small>		
12 36 23 13		<b>Plastic-Laminate-Clad Countertops</b> <small>(12 36 23)</small>		
12 36 23 13-0001		<b>Plastic Laminate Countertops</b> <small>(12 36 23 13)</small> Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, roundover, bevel, etc.		
12 36 23 13-0002	SF	Plastic Laminate Countertop Without Backsplash.....	17.50	10.89
12 36 23 13-0003	SF	Plastic Laminate Countertop With 4" Backsplash.....	23.16	10.89
12 36 23 13-0004	LF	Plastic Laminate End Splash For Plastic Laminate Countertops.....	27.33	3.27
12 36 23 13-0005	EA	Cutout For Sink And/Or Faucet In Plastic Laminate Countertop.....	90.77	



<b>Furnishings</b>	<b>12</b>	
Casework	12 30	12
Countertops	12 36	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**12 36 53 Laboratory Countertops** (12 36)

**12 36 53 00-0001 Epoxy Resin Laboratory Countertops** (12 36 53)

Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.

12 36 53 00-0002	SF	3/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges .....	58.69		5.45
12 36 53 00-0003	SF	1" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges .....	60.63		5.45
12 36 53 00-0004	SF	1-1/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges .....	74.08		5.45
12 36 53 00-0005	LF	4" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop .....	22.22		3.27
12 36 53 00-0006	LF	6" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop .....	30.07		3.27

**12 36 53 00-0007 Epoxy Resin Laboratory Sinks** (12 36 53)

Note: Includes cut out for sinks, and sink strainer assembly set.

**12 36 53 00-0008 Epoxy Resin Laboratory Undermount Sink** (12 36 53 00-0007)

12 36 53 00-0009	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	561.47		104.48
12 36 53 00-0010	EA	12" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	571.26		104.48
12 36 53 00-0011	EA	12" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	675.84		104.48
12 36 53 00-0012	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	571.26		104.48
12 36 53 00-0013	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	605.62		113.27
12 36 53 00-0014	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	640.47		113.27
12 36 53 00-0015	EA	16" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	1,364.77		113.27
12 36 53 00-0016	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	720.14		113.27
12 36 53 00-0017	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	744.56		121.08
12 36 53 00-0018	EA	24" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	924.32		121.08
12 36 53 00-0019	EA	24" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	1,116.01		121.08
12 36 53 00-0020	EA	30" Length x 18" Width x 18" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	2,484.27		121.08
12 36 53 00-0021	EA	31" Length x 21" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	1,256.81		121.08
12 36 53 00-0022	EA	36" Length x 20" Width x 16" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	2,671.82		121.08
12 36 53 00-0023	EA	42" Length x 20" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	3,671.56		124.00

**12 36 53 00-0024 Epoxy Resin Laboratory Drop-in Sink** (12 36 53 00-0007)

12 36 53 00-0025	EA	9" Length x 6" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	560.01		104.48
12 36 53 00-0026	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	561.45		104.48
12 36 53 00-0027	EA	12" Length x 12" Width x 12" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	661.73		104.48
12 36 53 00-0028	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	571.26		104.48
12 36 53 00-0029	EA	15" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	603.86		104.48
12 36 53 00-0030	EA	15" Length x 8" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	603.86		104.48
12 36 53 00-0031	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	605.62		113.27
12 36 53 00-0032	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	640.47		113.27
12 36 53 00-0033	EA	16" Length x 16" Width x 9-5/8" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	660.44		113.27
12 36 53 00-0034	EA	18" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	665.41		113.27
12 36 53 00-0035	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	785.89		113.27
12 36 53 00-0036	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	810.31		121.08
12 36 53 00-0037	EA	25" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	828.86		121.08
12 36 53 00-0038	EA	25" Length x 15" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	835.16		121.08
12 36 53 00-0039	EA	30" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	1,251.97		121.08
12 36 53 00-0040	EA	10" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink .....	570.01		103.50
12 36 53 00-0041	EA	12" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink .....	586.91		103.50

**12 36 53 00-0042 Epoxy Resin Laboratory ADA Drop-in Sink** (12 36 53 00-0007)

12 36 53 00-0043	EA	14" Length x 10" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink .....	566.37		103.50
12 36 53 00-0044	EA	14" Length x 14" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink .....	612.53		103.50
12 36 53 00-0045	EA	14" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink .....	636.12		103.50
12 36 53 00-0046	EA	25" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink .....	835.16		121.08

**12 36 53 00-0047 Epoxy Resin Laboratory Cup Sink** (12 36 53 00-0007)

12 36 53 00-0048	EA	6" Length x 3" Width x 4" Depth, Black Oval Epoxy Resin Laboratory Cup Sink .....	358.57		83.97
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**12 36 53 00-0049 Polypropylene Laboratory Countertops** (12 36 53)

Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.

12 36 53 00-0050	SF	3/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges .....	26.06		5.45
12 36 53 00-0051	SF	1" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges .....	28.94		5.45
12 36 53 00-0052	SF	1-1/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges .....	32.63		5.45
12 36 53 00-0053	LF	4" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop .....	11.34		3.27
12 36 53 00-0054	LF	6" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop .....	13.74		3.27

**12 36 53 00-0055 Polypropylene Laboratory Sinks** (12 36 53)

Note: Includes cut out for sinks, and sink strainer assembly set.

**12 36 53 00-0056 Polypropylene Laboratory Undermount Sink** (12 36 53 00-0055)

12 36 53 00-0057	EA	12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink .....	594.94		104.48
12 36 53 00-0058	EA	12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink .....	627.43		104.48
12 36 53 00-0059	EA	14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink .....	619.45		104.48
12 36 53 00-0060	EA	16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Undermount Sink .....	651.83		113.27
12 36 53 00-0061	EA	16" Length x 13" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink .....	806.94		113.27

**12 Furnishings****12 30 Casework****12 36 Countertops**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 53 00-0062	EA		17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink.....	815.03	113.27
12 36 53 00-0063	EA		18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink.....	815.03	113.27
12 36 53 00-0064	EA		24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink.....	872.13	121.08
12 36 53 00-0065	EA		25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Undermount Sink.....	913.14	121.08
12 36 53 00-0066	EA		23" Length x 17" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink.....	872.13	121.08
12 36 53 00-0067	EA		30" Length x 18" Width x 18" Depth, Black Polypropylene Laboratory Undermount Sink.....	1,361.98	121.08
12 36 53 00-0068	EA		31" Length x 20.5" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink.....	1,354.70	121.08
12 36 53 00-0069	EA		42" Length x 18" Width x 16" Depth, Black Polypropylene Laboratory Undermount Sink.....	2,382.20	124.00
<b>12 36 53 00-0070</b>			<b>Polypropylene Laboratory Drop-in Sink</b> <small>(12 36 53 00-0055)</small>		
12 36 53 00-0071	EA		11" Length x 11" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink.....	513.34	104.48
12 36 53 00-0072	EA		12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	821.57	104.48
12 36 53 00-0073	EA		12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	545.80	104.48
12 36 53 00-0074	EA		14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Drop-in Sink.....	537.83	104.48
12 36 53 00-0075	EA		17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink.....	733.42	113.27
12 36 53 00-0076	EA		16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink.....	570.20	113.27
12 36 53 00-0077	EA		18" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	733.42	113.27
12 36 53 00-0078	EA		16" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	717.01	113.27
12 36 53 00-0079	EA		18" Length x 15" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	701.07	113.27
12 36 53 00-0080	EA		18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink.....	733.42	113.27
12 36 53 00-0081	EA		24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink.....	790.51	121.08
12 36 53 00-0082	EA		25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink.....	831.50	121.08
12 36 53 00-0083	EA		31" Length x 17" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink.....	1,231.85	121.08
12 36 53 00-0084	EA		12" Diameter x 7.8" Depth, Black Round Polypropylene Laboratory Drop-in Sink.....	479.92	103.50
<b>12 36 53 00-0085</b>			<b>Polypropylene Laboratory ADA Drop-in Sink</b> <small>(12 36 53 00-0055)</small>		
12 36 53 00-0086	EA		16" Length x 16" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink.....	701.07	113.27
12 36 53 00-0087	EA		25" Length x 15" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink.....	813.13	121.08
<b>12 36 53 00-0088</b>			<b>Polypropylene Laboratory Cup Sink</b> <small>(12 36 53 00-0055)</small>		
12 36 53 00-0089	EA		6" Length x 3" Width x 4" Depth, Black Oval Polypropylene Laboratory Cup Sink.....	377.58	103.50
<b>12 36 53 00-0090</b>			<b>Phenolic Resin Laboratory Countertops</b> <small>(12 36 53)</small>		
			Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0091	SF		3/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	40.85	5.45
12 36 53 00-0092	SF		1" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	46.04	5.45
12 36 53 00-0093	SF		1-1/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	49.67	5.45
12 36 53 00-0094	LF		4" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop.....	15.71	3.27
12 36 53 00-0095	LF		6" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop.....	20.23	3.27
<b>12 36 53 00-0096</b>			<b>High Pressure Laminate Laboratory Countertops</b> <small>(12 36 53)</small>		
			Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0097	SF		3/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges.....	24.02	5.45
12 36 53 00-0098	SF		1" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges.....	25.21	5.45
12 36 53 00-0099	SF		1-1/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges.....	25.21	5.45
12 36 53 00-0100	LF		4" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop.....	13.33	3.27
12 36 53 00-0101	LF		6" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop.....	13.33	3.27
<b>12 36 61</b>			<b>Simulated Stone Countertops</b> <small>(12 36)</small>		
<b>12 36 61 16</b>			<b>Solid Surfacing Countertops</b> <small>(12 36 61)</small>		
12 36 61 16-0001			Solid Surface Countertops <small>(12 36 61 16)</small>		
12 36 61 16-0002			Solid Surface Countertops <small>(12 36 61 16-0001)</small>		
			Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.		
12 36 61 16-0003	SF		1/4" Thick, Solid Color, Solid Surface Backsplash.....	44.85	7.27
			Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.		
			For Up To 50, Add	14.77	
			For >50 To 100, Add	8.44	



<b>Furnishings</b>	<b>12</b>	<b>12</b>
Casework	12 30	
Countertops	12 36	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 61 16-0004 SF 1/2" Thick, Solid Color, Solid Surface Countertop Without Backsplash.....	70.32	10.89
Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).		
For Up To 50, Add	22.76	
For >50 To 100, Add	13.40	
For Integral 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add	231.92	
For Integral 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add	293.24	
For Integral 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add	214.08	
For Integral 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add	204.04	
For Integral 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add	293.24	
For Integral 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add	293.24	
For Integral 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add	293.24	
For Integral 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add	293.24	
For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add	264.25	
Note: Single or double bowl.		
For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add	459.37	
Note: Single or double bowl.		
For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add	615.47	
Note: Single or double bowl.		
For >3 SF Integral Single Basin Kitchen Sink, Add	666.76	
Note: Single or double bowl.		
For >3 SF Integral Double Basin Kitchen Sink, Add	666.76	
12 36 61 16-0005 SF 1/2" Thick, Solid Color, Solid Surface Countertop With 4" Backsplash.....	76.85	10.89
For Up To 50, Add	24.72	
For >50 To 100, Add	14.70	
For Integral 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add	231.92	
For Integral 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add	293.24	
For Integral 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add	214.08	
For Integral 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add	204.04	
For Integral 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add	293.24	
For Integral 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add	293.24	
For Integral 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add	293.24	
For Integral 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add	293.24	
For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add	264.25	
Note: Single or double bowl.		
For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add	459.37	
Note: Single or double bowl.		
For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add	615.47	
Note: Single or double bowl.		
For >3 SF Integral Single Basin Kitchen Sink, Add	666.76	
Note: Single or double bowl.		
For >3 SF Integral Double Basin Kitchen Sink, Add	666.76	
12 36 61 16-0006 LF 1/2" Thick, Solid Color, Solid Surface End Splash For Solid Surface Countertops.....	25.90	4.63
12 36 61 16-0007 EA Cutout For Undercounter Sink In Solid Surface Countertop .....	163.39	
Note: Not including integral seamed sinks		
<b>12 36 61 16-0008 Integral Seamless Solid Surface Lavatory</b> <small>(12 36 61 16-0001)</small>		
Note: Includes sink cutout and hard seam of lavatory to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.		
12 36 61 16-0009 EA 16-1/2" x 13-1/8" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 810) .....	268.96	
12 36 61 16-0010 EA 20-7/16" x 14-7/16" x 6-1/8" Depth, Integral Solid Surface Lavatory Sink (Corian 815).....	330.28	
12 36 61 16-0011 EA 17-3/8" x 10-13/16" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 816).....	251.12	
12 36 61 16-0012 EA 14-3/4" x 10-1/2" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 820).....	241.08	
12 36 61 16-0013 EA 18-7/8" x 13-3/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 830).....	330.28	
12 36 61 16-0014 EA 20" x 13-3/8" x 6-1/4" Depth, Integral Solid Surface Lavatory Sink (Corian 831).....	330.28	
12 36 61 16-0015 EA 19-3/4" x 14-1/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 835).....	330.28	
12 36 61 16-0016 EA 17" x 14" x 6" Depth, Integral Solid Surface Lavatory Sink (Corian 837) .....	330.28	
<b>12 36 61 16-0017 Integral Seamless Solid Surface Kitchen Sink</b> <small>(12 36 61 16-0001)</small>		
Note: Includes sink cutout and hard seam of sink to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.		
12 36 61 16-0018 EA Up To 1.5 SF, Single Basin, Integral Solid Surface Kitchen Sink.....	351.39	
12 36 61 16-0019 EA >1.5 To 2.25 SF, Single Basin, Integral Solid Surface Kitchen Sink .....	546.51	
12 36 61 16-0020 EA >2.25 To 3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink .....	702.61	
12 36 61 16-0021 EA >3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink .....	753.90	
12 36 61 16-0022 EA >3.0 SF, Double Basin, Integral Solid Surface Kitchen Sink.....	753.90	
<b>12 36 61 19 Quartz Agglomerate Countertops</b> <small>(12 36 61)</small>		
<b>12 36 61 19-0001 Quartz Agglomerate Countertops</b> <small>(12 36 61 19)</small>		
Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.		
12 36 61 19-0002 SF 3/4" Thick, Quartz Agglomerate Countertop Without Backsplash.....	106.54	23.96
12 36 61 19-0003 SF 1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash.....	129.66	23.96
12 36 61 19-0004 SF 3/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	118.95	27.89
12 36 61 19-0005 SF 1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	142.05	27.89
12 36 61 19-0006 LF Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops.....	19.19	4.63
12 36 61 19-0007 EA Cutout For Sink And/Or Faucet In Quartz Agglomerate Countertop.....	163.39	

## 12 40 Furnishings and Accessories (12)

<b>12</b>	<b>Furnishings</b>
<b>12 40</b>	<b>Furnishings and Accessories</b>
<b>12 41</b>	<b>Office Accessories</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

12 41 Office Accessories (12 40)

**12 41 11 Office Accessories (12 41)**

**12 41 11 00-0001 Wall Mounted Office Accessories (12 41 11)**

12 41 11 00-0002	EA	Manual Pencil Sharpener, Wall Mounted (Bostitch® BOSMPS1BLK)	24.23	4.02
12 41 11 00-0003	EA	Wall Mounted Flag	18.06	4.02

**12 41 11 00-0004 Desk Edge Mounted Clamps (12 41 11)**

12 41 11 00-0005	EA	Aluminum Desk Edge Clamp Mount Bracket For Plexiglass And Acrylic Panels	37.42	
Note: Adjustable hand screw mounting to fit 3/4" to 2" desk and table tops, clamp adjusts to support 1/8" to 3/8" thick panels.				
For >10 To 50, Deduct			-9.16	
For >50, Deduct			-14.65	

12 48 Rugs and Mats (12 40)

**12 48 13 Entrance Floor Mats and Frames (12 48)**

**12 48 13 13 Entrance Floor Mats (12 48 13)**

**12 48 13 13-0001 Floor Mats (12 48 13 13)**

12 48 13 13-0002	SF	3/8" Thick Solid Recessable Floor Mat	30.98	2.39
For Colors, Add			5.24	
12 48 13 13-0003	SF	1/2" Thick Solid Recessable Floor Mat	39.04	2.39
For Colors, Add			6.85	
12 48 13 13-0004	SF	3/8" Thick Perforated Recessable Floor Mat	32.99	2.39
For Colors, Add			5.64	
12 48 13 13-0005	SF	1/2" Thick Perforated Recessable Floor Mat	41.06	2.39
For Colors, Add			7.26	

**12 48 13 13-0006 Link Mats (12 48 13 13)**

Note: Includes nosing.

12 48 13 13-0007	SF	3/8" Link Mats, Aluminum	30.92	2.39
12 48 13 13-0008	SF	Black Rubber Link Mats With Galvanized Tie Rods	32.50	2.39
12 48 13 13-0009	SF	3/8" Thick, Galvanized Steel Link Mats	19.86	2.39
12 48 13 13-0010	SF	Vinyl Link Mats, Color	35.49	2.39
12 48 13 13-0011	LF	Rubber Nosing	4.19	1.05

**12 48 13 13-0012 Duckboard (12 48 13 13)**

12 48 13 13-0013	SF	Aluminum Slats	44.44	2.83
12 48 13 13-0014	SF	Hardwood Strips On Rubber Base	13.74	2.83
12 48 13 13-0015	SF	Assembled With Brass Rods And Vinyl Spacers	14.93	2.83
12 48 13 13-0016	SF	Tire Fabric, 3/4" Thick	21.81	2.83
12 48 13 13-0017	SF	Vinyl, 36" Wide, Hollow Top And Bottom	16.05	2.83
12 48 13 13-0018	SF	Vinyl, 36" Wide, Solid Top And Bottom	24.26	2.83

**12 48 13 16 Entrance Floor Mat Frames (12 48 13)**

**12 48 13 16-0001 Recessed Frames (12 48 13 16)**

12 48 13 16-0002	LF	Aluminum Recessed Embedded Frame	21.03	4.36
12 48 13 16-0003	LF	Bronze Recessed Embedded Frame	21.64	4.36

12 50 Furniture (12)

12 56 Institutional Furniture (12 50)

**12 56 53 Laboratory Furniture (12 56)**

**12 56 53 00-0001 Steel Laboratory Furniture (12 56 53)**

**12 56 53 00-0002 Modular Steel Laboratory Cabinets (12 56 53 00-0001)**

**12 56 53 00-0003 29-3/8" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets (12 56 53 00-0002)**

12 56 53 00-0004	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,102.62	94.15
12 56 53 00-0005	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,100.37	94.15
12 56 53 00-0006	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,203.34	102.76
12 56 53 00-0007	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,142.38	102.76
12 56 53 00-0008	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,358.56	115.95
12 56 53 00-0009	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,402.10	119.76
12 56 53 00-0010	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,546.40	132.07
12 56 53 00-0011	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,606.31	137.20
12 56 53 00-0012	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,560.02	133.17
12 56 53 00-0013	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,565.47	133.71
12 56 53 00-0014	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,655.31	141.34





		<b>Furnishings</b>	<b>12</b>
		Furniture	12 50
		Institutional Furniture	12 56

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
12 56 53 00-0015	EA 24" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,619.88	138.29
12 56 53 00-0016	EA 30" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,164.47	184.81
12 56 53 00-0017	EA 36" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,204.97	188.31
12 56 53 00-0018	EA 42" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,433.94	207.82
12 56 53 00-0019	EA 48" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,472.32	211.08
12 56 53 00-0020	EA 18" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet.....	2,265.34	193.42
12 56 53 00-0021	EA 21" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet.....	2,520.97	215.33
12 56 53 00-0022	EA 24" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet.....	2,444.21	215.33
12 56 53 00-0023	EA 15" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	2,288.98	195.07
12 56 53 00-0024	EA 18" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	2,268.66	195.07
12 56 53 00-0025	EA 21" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	2,450.30	209.23
12 56 53 00-0026	EA 24" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	2,432.30	208.90
12 56 53 00-0027	EA 30" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	2,662.02	227.10
12 56 53 00-0028	EA 36" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	2,741.54	234.07
12 56 53 00-0029	EA 42" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	3,000.01	256.09
12 56 53 00-0030	EA 48" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	3,070.53	262.19
12 56 53 00-0031	EA 15" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	2,561.95	218.71
12 56 53 00-0032	EA 18" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	2,409.47	205.74
12 56 53 00-0033	EA 21" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	2,722.54	232.44
12 56 53 00-0034	EA 24" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	2,589.14	221.11
12 56 53 00-0035	EA 15" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	2,905.13	248.02
12 56 53 00-0036	EA 18" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	2,905.13	248.02
12 56 53 00-0037	EA 21" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,179.62	271.46
12 56 53 00-0038	EA 24" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,065.60	261.76
12 56 53 00-0039	EA 30" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,561.10	304.04
12 56 53 00-0040	EA 36" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,574.65	304.15
12 56 53 00-0041	EA 42" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,882.42	331.50
12 56 53 00-0042	EA 48" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,920.53	334.76
12 56 53 00-0043	EA 24" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	4,358.83	372.15
12 56 53 00-0044	EA 30" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	4,495.00	383.81
12 56 53 00-0045	EA 36" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	4,259.55	383.59
12 56 53 00-0046	EA 42" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	4,764.35	406.80
12 56 53 00-0047	EA 48" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	4,655.53	397.53
12 56 53 00-0048	EA 15" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	2,069.11	176.65
12 56 53 00-0049	EA 18" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	2,012.67	177.08
12 56 53 00-0050	EA 21" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	2,158.96	184.27
12 56 53 00-0051	EA 24" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	2,102.52	184.27
12 56 53 00-0052	EA 32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet.....	2,899.45	247.59
12 56 53 00-0053	EA 32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet.....	2,507.44	214.02
12 56 53 00-0054	EA 35-1/4" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets (12 56 53 00-0002)		
12 56 53 00-0055	EA 15" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,154.35	98.62
12 56 53 00-0056	EA 18" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,147.58	98.62
12 56 53 00-0057	EA 21" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,219.72	104.18
12 56 53 00-0058	EA 24" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,178.87	100.80
12 56 53 00-0059	EA 30" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,396.66	119.32
12 56 53 00-0060	EA 36" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,464.73	124.77
12 56 53 00-0061	EA 42" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,562.74	133.49
12 56 53 00-0062	EA 48" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,622.63	138.94
12 56 53 00-0063	EA 15" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,636.26	139.48
12 56 53 00-0064	EA 18" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,636.26	139.48
12 56 53 00-0065	EA 21" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,736.97	148.21
12 56 53 00-0066	EA 24" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,714.55	150.38
12 56 53 00-0067	EA 30" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,267.86	193.42
12 56 53 00-0068	EA 36" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,327.76	198.33
12 56 53 00-0069	EA 42" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,502.04	213.59
12 56 53 00-0070	EA 48" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,559.19	218.49
12 56 53 00-0071	EA 18" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet.....	2,521.10	215.22
12 56 53 00-0072	EA 24" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet.....	2,591.89	221.21
12 56 53 00-0073	EA 18" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	2,765.91	235.92
12 56 53 00-0074	EA 21" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	2,989.06	255.00
12 56 53 00-0075	EA 24" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	2,969.03	255.00
12 56 53 00-0076	EA 15" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	2,719.81	231.56
12 56 53 00-0077	EA 18" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	1,463.46	232.66
12 56 53 00-0078	EA 21" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	2,858.66	244.10
12 56 53 00-0079	EA 24" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	2,811.25	244.10
12 56 53 00-0080	EA 30" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	3,149.96	268.95
12 56 53 00-0081	EA 36" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	3,275.24	279.62
12 56 53 00-0082	EA 42" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	3,478.80	297.06
12 56 53 00-0083	EA 48" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	3,561.10	304.04
12 56 53 00-0084	EA 15" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	2,899.72	247.37
12 56 53 00-0085	EA 18" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,098.19	264.26
12 56 53 00-0086	EA 21" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,117.09	265.90
12 56 53 00-0087	EA 24" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,237.04	276.25
12 56 53 00-0088	EA 30" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,738.05	319.29
12 56 53 00-0089	EA 36" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,865.98	330.19
12 56 53 00-0090	EA 42" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	4,059.18	346.53
12 56 53 00-0091	EA 48" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	4,062.14	346.53

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CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

12 56 53 00-0092	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	4,541.24	387.95
12 56 53 00-0093	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	4,579.08	390.67
12 56 53 00-0094	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	4,672.33	398.84
12 56 53 00-0095	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	4,927.43	421.18
12 56 53 00-0096	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	4,943.32	422.27
12 56 53 00-0097	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet .....	5,015.01	428.15
12 56 53 00-0098	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet .....	5,251.74	448.42
12 56 53 00-0099	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet .....	5,352.42	457.03
12 56 53 00-0100	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet .....	5,488.56	468.59
12 56 53 00-0101	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet .....	5,638.57	481.45
12 56 53 00-0102	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	2,112.77	180.35
12 56 53 00-0103	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	2,150.70	183.62
12 56 53 00-0104	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	2,158.96	184.17
12 56 53 00-0105	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	2,207.76	188.52
12 56 53 00-0106	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	2,905.13	248.02
12 56 53 00-0107	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	2,992.28	255.43
12 56 53 00-0108	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	3,204.29	273.63
12 56 53 00-0109	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	3,250.47	277.34
12 56 53 00-0110	EA	32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet .....	3,014.20	257.17
12 56 53 00-0111	EA	32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet .....	2,796.55	238.65
12 56 53 00-0112	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	1,483.77	126.73
12 56 53 00-0113	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	1,502.84	128.26
12 56 53 00-0114	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	1,565.47	133.49
12 56 53 00-0115	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	1,570.91	134.04
12 56 53 00-0116	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	2,055.55	175.56
12 56 53 00-0117	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	2,101.83	179.48
12 56 53 00-0118	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	2,240.62	191.25
12 56 53 00-0119	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	2,248.79	192.01
12 56 53 00-0120	EA	52" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	2,597.28	221.76
12 56 53 00-0121	EA	58" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	2,858.66	244.10
12 56 53 00-0122	EA	60" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	2,989.35	255.21

## 12 56 53 00-0123 25-3/16" High x 16" Deep, Modular Steel Laboratory Wall Cabinets (12 56 53 00-0002)

12 56 53 00-0124	EA	15" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	1,097.18	93.72
12 56 53 00-0125	EA	18" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	1,132.57	96.66
12 56 53 00-0126	EA	21" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	1,140.74	97.42
12 56 53 00-0127	EA	24" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	1,170.70	99.92
12 56 53 00-0128	EA	30" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	1,225.15	104.62
12 56 53 00-0129	EA	36" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	1,252.37	106.90
12 56 53 00-0130	EA	42" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	1,363.99	116.49
12 56 53 00-0131	EA	48" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	1,380.33	117.80
12 56 53 00-0132	EA	15" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,622.63	138.51
12 56 53 00-0133	EA	18" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,663.47	141.99
12 56 53 00-0134	EA	21" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,701.59	145.26
12 56 53 00-0135	EA	24" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,736.97	148.32
12 56 53 00-0136	EA	30" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	2,112.72	180.35
12 56 53 00-0137	EA	36" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	2,139.95	182.75
12 56 53 00-0138	EA	42" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	2,333.21	199.21
12 56 53 00-0139	EA	48" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	2,341.38	199.96
12 56 53 00-0140	EA	15" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,897.60	162.04
12 56 53 00-0141	EA	18" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,960.22	167.38
12 56 53 00-0142	EA	21" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,992.88	170.11
12 56 53 00-0143	EA	24" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	2,028.28	173.16
12 56 53 00-0144	EA	30" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	2,842.34	242.68
12 56 53 00-0145	EA	36" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	2,899.54	247.59
12 56 53 00-0146	EA	42" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	3,068.27	261.97
12 56 53 00-0147	EA	48" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	3,122.75	266.66
12 56 53 00-0148	EA	25-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	2,597.28	221.76
12 56 53 00-0149	EA	28-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet .....	2,875.02	245.51
12 56 53 00-0150	EA	36" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet .....	2,219.80	182.75
12 56 53 00-0151	EA	42" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet .....	2,420.27	199.21
12 56 53 00-0152	EA	48" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet .....	2,428.75	199.86
12 56 53 00-0153	EA	30" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet .....	2,948.40	242.68
12 56 53 00-0154	EA	36" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet .....	3,007.73	247.59
12 56 53 00-0155	EA	42" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet .....	3,182.77	261.97

## 12 56 53 00-0156 31" High x 16" Deep, Modular Steel Laboratory Wall Cabinets (12 56 53 00-0002)

12 56 53 00-0157	EA	15" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	1,197.92	102.43
12 56 53 00-0158	EA	18" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	1,233.31	105.16
12 56 53 00-0159	EA	21" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	1,238.76	105.71
12 56 53 00-0160	EA	24" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	1,252.37	106.79
12 56 53 00-0161	EA	30" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	1,331.34	113.87
12 56 53 00-0162	EA	36" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	1,369.44	116.60
12 56 53 00-0163	EA	42" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	1,625.35	138.94
12 56 53 00-0164	EA	48" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet .....	1,660.77	141.67
12 56 53 00-0165	EA	15" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,690.71	144.39
12 56 53 00-0166	EA	18" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet .....	1,734.24	148.21



<b>Furnishings</b>	<b>12</b>
Furniture	12 50
Institutional Furniture	12 56

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0167 EA 21" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,764.22	150.92
12 56 53 00-0168 EA 24" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,848.62	157.47
12 56 53 00-0169 EA 30" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,284.24	195.07
12 56 53 00-0170 EA 36" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,316.88	197.79
12 56 53 00-0171 EA 42" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,575.49	220.12
12 56 53 00-0172 EA 48" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,627.21	224.48
12 56 53 00-0173 EA 15" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,011.94	171.63
12 56 53 00-0174 EA 18" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,071.87	176.54
12 56 53 00-0175 EA 21" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,101.79	179.26
12 56 53 00-0176 EA 24" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,156.25	184.17
12 56 53 00-0177 EA 30" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,934.91	250.09
12 56 53 00-0178 EA 36" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,019.30	257.72
12 56 53 00-0179 EA 42" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,517.47	300.22
12 56 53 00-0180 EA 48" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,346.26	266.44
12 56 53 00-0181 EA 25-23/32" Wide x 31" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,874.94	245.73
12 56 53 00-0182 EA 25-23/32" Wide x 31" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,422.22	292.59
12 56 53 00-0183 EA 30" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,369.48	195.07
12 56 53 00-0184 EA 36" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,403.34	197.79
12 56 53 00-0185 EA 42" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,671.60	219.91
12 56 53 00-0186 EA 36" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,131.97	257.83

**12 56 53 00-0187**

**Wood Laboratory Furniture** (12 56 53)

Note: Laboratory Grade with chemical resistant finish, premium quality mill-made modular units, prefinished with solid 3/4" hardwood face frames, solid 3/4" hardwood door frames and drawer fronts, hardwood veneer on raised door panels (front and back), glued mortise, dowel, and dado joint construction, full backs, mitered corners and solid wood drawer bodies with steel guides and ball bearings. Includes self-closing hinges, door and drawer pulls, mounting hardware and adjustable shelves.

**12 56 53 00-0188**

**Wood Laboratory Cabinets** (12 56 53 00-0187)

**12 56 53 00-0189**

**28-1/2" High x 21-1/2" Deep, Wood Laboratory Base Cabinets** (12 56 53 00-0188)

12 56 53 00-0190 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	565.31	86.09
12 56 53 00-0191 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	583.64	88.82
12 56 53 00-0192 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	601.97	91.54
12 56 53 00-0193 EA 24" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	620.29	94.81
12 56 53 00-0194 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	689.09	105.16
12 56 53 00-0195 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	734.92	111.70
12 56 53 00-0196 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	768.53	116.60
12 56 53 00-0197 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	809.80	123.14
12 56 53 00-0198 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	687.56	104.62
12 56 53 00-0199 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	712.00	108.42
12 56 53 00-0200 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	727.27	110.61
12 56 53 00-0201 EA 24" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	747.11	113.87
12 56 53 00-0202 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	961.08	146.02
12 56 53 00-0203 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	1,020.40	155.29
12 56 53 00-0204 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	1,054.23	160.19
12 56 53 00-0205 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	1,095.70	166.73
12 56 53 00-0206 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet.....	1,009.78	153.65
12 56 53 00-0207 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet.....	1,045.27	159.10
12 56 53 00-0208 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet.....	1,072.60	163.46
12 56 53 00-0209 EA 24" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet.....	1,109.32	168.37
12 56 53 00-0210 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	1,026.75	155.83
12 56 53 00-0211 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	1,068.01	162.92
12 56 53 00-0212 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	1,098.57	167.27
12 56 53 00-0213 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	1,133.72	172.72
12 56 53 00-0214 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet.....	1,605.87	244.10
12 56 53 00-0215 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet.....	1,702.00	258.82
12 56 53 00-0216 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet.....	1,737.10	264.26
12 56 53 00-0217 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet.....	1,805.94	274.61
12 56 53 00-0218 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet.....	1,839.60	279.51
12 56 53 00-0219 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet.....	1,925.12	293.14
12 56 53 00-0220 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet.....	1,981.56	301.86
12 56 53 00-0221 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet.....	2,050.38	312.21
12 56 53 00-0222 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet.....	760.87	116.06
12 56 53 00-0223 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet.....	788.38	120.42
12 56 53 00-0224 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet.....	805.20	122.59
12 56 53 00-0225 EA 24" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet.....	828.12	125.87
12 56 53 00-0226 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base.....	1,228.41	186.89
12 56 53 00-0227 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base.....	1,284.96	195.50
12 56 53 00-0228 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base.....	1,321.61	201.06
12 56 53 00-0229 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base.....	1,369.01	208.25
12 56 53 00-0230 EA 35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner, Wood Laboratory Base Cabinet.....	1,604.28	244.10
12 56 53 00-0231 EA 35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner With Lazy Susan, Wood Laboratory Base Cabinet.....	1,778.40	270.80
12 56 53 00-0232 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	626.43	95.35
12 56 53 00-0233 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	646.30	98.29
12 56 53 00-0234 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	658.51	100.15
12 56 53 00-0235 EA 24" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	673.79	102.54
12 56 53 00-0236 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	863.25	131.32
12 56 53 00-0237 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	907.55	138.06
12 56 53 00-0238 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	933.54	141.99
12 56 53 00-0239 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	961.02	146.24

## 12 Furnishings

## 12 50 Furniture

## 12 56 Institutional Furniture

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0240			<b>35-3/4" High x 22" Deep, Wood Laboratory Base Cabinets</b> (12 56 53 00-0188)		
12 56 53 00-0241	EA		24" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet .....	990.42	150.66
12 56 53 00-0242	EA		30" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet .....	1,282.48	194.81
12 56 53 00-0243	EA		36" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet .....	1,291.76	196.50
12 56 53 00-0244	EA		48" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet .....	1,489.85	226.64
12 56 53 00-0245	EA		24" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet .....	1,623.62	246.99
12 56 53 00-0246	EA		30" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet .....	1,821.67	277.12
12 56 53 00-0247	EA		36" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet .....	1,948.67	296.44
12 56 53 00-0248	EA		48" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet .....	2,307.57	351.04
12 56 53 00-0249	EA		24" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet .....	1,193.58	181.12
12 56 53 00-0250	EA		30" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet .....	1,643.91	250.07
12 56 53 00-0251	EA		36" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet .....	1,709.94	260.12
12 56 53 00-0252	EA		48" Wide Base Cabinet With Combination Door/Drawer.....	1,911.42	290.77
12 56 53 00-0253			<b>30-5/8" High x 13" Deep, Wood Laboratory Wall Cabinets</b> (12 56 53 00-0188)		
12 56 53 00-0254	EA		15" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	672.28	102.43
			<i>For 36" Height Cabinet, Add</i>	86.53	
12 56 53 00-0255	EA		18" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	698.25	105.71
			<i>For 36" Height Cabinet, Add</i>	89.87	
12 56 53 00-0256	EA		21" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	716.58	108.97
			<i>For 36" Height Cabinet, Add</i>	92.23	
12 56 53 00-0257	EA		24" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	653.93	99.17
			<i>For 36" Height Cabinet, Add</i>	84.17	
12 56 53 00-0258	EA		30" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	751.73	114.42
			<i>For 36" Height Cabinet, Add</i>	96.75	
12 56 53 00-0259	EA		36" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	814.37	123.68
			<i>For 36" Height Cabinet, Add</i>	104.82	
12 56 53 00-0260	EA		42" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	851.04	129.67
			<i>For 36" Height Cabinet, Add</i>	109.54	
12 56 53 00-0261	EA		48" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	901.47	136.76
			<i>For 36" Height Cabinet, Add</i>	116.03	
12 56 53 00-0262	EA		15" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	737.98	112.24
			<i>For 36" Height Cabinet, Add</i>	94.98	
12 56 53 00-0263	EA		18" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	771.59	117.69
			<i>For 36" Height Cabinet, Add</i>	99.31	
12 56 53 00-0264	EA		21" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	2,515.01	1,231.40
			<i>For 36" Height Cabinet, Add</i>	10.40	
12 56 53 00-0265	EA		24" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	829.64	125.87
			<i>For 36" Height Cabinet, Add</i>	106.78	
12 56 53 00-0266	EA		30" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,084.82	165.09
			<i>For 36" Height Cabinet, Add</i>	139.62	
12 56 53 00-0267	EA		36" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,168.85	177.62
			<i>For 36" Height Cabinet, Add</i>	150.44	
12 56 53 00-0268	EA		42" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,222.31	186.34
			<i>For 36" Height Cabinet, Add</i>	157.32	
12 56 53 00-0269	EA		48" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,286.46	195.61
			<i>For 36" Height Cabinet, Add</i>	165.58	
12 56 53 00-0270	EA		15" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	826.58	125.87
			<i>For 36" Height Cabinet, Add</i>	106.39	
12 56 53 00-0271	EA		18" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	858.67	130.77
			<i>For 36" Height Cabinet, Add</i>	110.52	
12 56 53 00-0272	EA		21" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	883.11	134.04
			<i>For 36" Height Cabinet, Add</i>	113.67	
12 56 53 00-0273	EA		24" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	916.73	139.48
			<i>For 36" Height Cabinet, Add</i>	117.99	
12 56 53 00-0274	EA		30" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	1,263.55	192.34
			<i>For 36" Height Cabinet, Add</i>	162.63	
12 56 53 00-0275	EA		36" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	1,344.55	204.32
			<i>For 36" Height Cabinet, Add</i>	173.05	
12 56 53 00-0276	EA		42" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	1,381.16	210.31
			<i>For 36" Height Cabinet, Add</i>	177.77	
12 56 53 00-0277	EA		48" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet .....	1,465.22	222.85
			<i>For 36" Height Cabinet, Add</i>	188.59	
12 56 53 00-0278	EA		30" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet .....	1,130.68	171.63
			<i>For 36" Height Cabinet, Add</i>	145.52	
12 56 53 00-0279	EA		36" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet .....	1,220.54	185.80
			<i>For 36" Height Cabinet, Add</i>	157.13	
12 56 53 00-0280	EA		42" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet .....	1,303.17	198.33
			<i>For 36" Height Cabinet, Add</i>	167.75	
12 56 53 00-0281	EA		48" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet .....	1,394.86	212.50
			<i>For 36" Height Cabinet, Add</i>	179.54	
12 56 53 00-0282	EA		30" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	1,366.18	207.59
			<i>For 36" Height Cabinet, Add</i>	175.81	
12 56 53 00-0283	EA		36" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	1,451.67	220.67
			<i>For 36" Height Cabinet, Add</i>	186.82	
12 56 53 00-0284	EA		42" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	1,497.30	227.76
			<i>For 36" Height Cabinet, Add</i>	192.72	
12 56 53 00-0285	EA		48" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	1,579.78	240.29
			<i>For 36" Height Cabinet, Add</i>	203.34	



<b>Furnishings</b>	<b>12</b>
Furniture	12 50
Institutional Furniture	12 56

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0286 EA 23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,665.61 214.35	253.37
12 56 53 00-0287 EA 23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,734.06 223.20	264.26
<b>12 56 53 00-0288 30-5/8" High x 16" Deep, Wood Laboratory Wall Cabinets <small>(12 56 53 00-0188)</small></b>		
12 56 53 00-0289 EA 30" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	831.17 106.98	126.41
12 56 53 00-0290 EA 36" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	910.62 117.20	138.40
12 56 53 00-0291 EA 42" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	954.93 122.91	145.48
12 56 53 00-0292 EA 48" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,014.54 130.58	153.65
12 56 53 00-0293 EA 15" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	773.11 99.51	117.69
12 56 53 00-0294 EA 18" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	814.37 104.82	124.23
12 56 53 00-0295 EA 21" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	838.76 107.96	128.04
12 56 53 00-0296 EA 24" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	873.95 112.49	132.40
12 56 53 00-0297 EA 30" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,147.49 147.69	174.36
12 56 53 00-0298 EA 36" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,245.24 160.27	189.06
12 56 53 00-0299 EA 42" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,300.24 167.35	198.33
12 56 53 00-0300 EA 48" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,373.54 176.79	208.68
12 56 53 00-0301 EA 15" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	864.77 111.31	131.86
12 56 53 00-0302 EA 18" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	890.77 114.65	135.67
12 56 53 00-0303 EA 21" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	919.76 118.39	139.48
12 56 53 00-0304 EA 24" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	967.14 124.48	147.12
12 56 53 00-0305 EA 30" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,318.59 169.71	200.51
12 56 53 00-0306 EA 36" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,422.49 183.09	216.32
12 56 53 00-0307 EA 42" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,466.72 188.79	223.40
12 56 53 00-0308 EA 48" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,561.50 200.98	237.57
12 56 53 00-0309 EA 30" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,184.18 152.41	179.81
12 56 53 00-0310 EA 36" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,309.16 168.53	199.42
12 56 53 00-0311 EA 42" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,374.98 176.99	209.23
12 56 53 00-0312 EA 48" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,469.95 189.18	223.94
12 56 53 00-0313 EA 30" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,427.34 183.67	216.86
12 56 53 00-0314 EA 36" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,517.38 195.28	230.48
12 56 53 00-0315 EA 42" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,578.30 203.14	240.29
12 56 53 00-0316 EA 48" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,663.79 214.16	252.81
12 56 53 00-0317 EA 26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,743.51 224.38	265.35
12 56 53 00-0318 EA 26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,799.69 231.66	274.06
<b>12 56 53 00-0319 Wood Laboratory Pegboard <small>(12 56 53 00-0187)</small></b>		
12 56 53 00-0320 EA 3/4" Thick x 32" Long x 29" High Laboratory Pegboard ..... Note: Includes 53 polypropylene pegs, each 1/2" diameter x 4-1/2" long and ribbon sealing putty for wall mounting	1,125.16	175.50
<b>12 56 53 00-0321 Plastic Laminate Laboratory Furniture <small>(12 56 53)</small></b>		
<b>12 56 53 00-0322 Plastic Laminate Laboratory Cabinets <small>(12 56 53 00-0321)</small></b>		
<b>12 56 53 00-0323 28-1/2" High x 22.3" Deep, Plastic Laminate Laboratory Base Cabinet <small>(12 56 53 00-0322)</small></b>		
12 56 53 00-0324 EA 15" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	840.26	85.98
12 56 53 00-0325 EA 18" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	867.51	88.82
12 56 53 00-0326 EA 21" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	894.76	91.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0327 EA 24" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet .....	922.00	94.37
12 56 53 00-0328 EA 30" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet .....	1,024.24	104.83
12 56 53 00-0329 EA 36" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet .....	1,092.36	111.81
12 56 53 00-0330 EA 42" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet .....	1,142.32	116.92
12 56 53 00-0331 EA 48" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet .....	1,203.65	123.25
12 56 53 00-0332 EA 15" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet .....	1,021.96	104.62
12 56 53 00-0333 EA 18" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet .....	1,058.30	108.32
12 56 53 00-0334 EA 21" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet .....	1,081.00	110.61
12 56 53 00-0335 EA 24" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet .....	1,110.50	113.66
12 56 53 00-0336 EA 30" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet .....	1,428.50	146.24
12 56 53 00-0337 EA 36" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet .....	1,516.80	155.17
12 56 53 00-0338 EA 42" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet .....	1,566.99	160.41
12 56 53 00-0339 EA 48" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet .....	1,628.51	166.73
12 56 53 00-0340 EA 15" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,500.98	153.54
12 56 53 00-0341 EA 18" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,553.56	159.10
12 56 53 00-0342 EA 21" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,594.27	163.24
12 56 53 00-0343 EA 24" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,648.83	168.80
12 56 53 00-0344 EA 15" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,526.13	156.16
12 56 53 00-0345 EA 18" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,587.45	162.48
12 56 53 00-0346 EA 21" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,632.87	167.17
12 56 53 00-0347 EA 24" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,685.12	172.51
12 56 53 00-0348 EA 15" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,224.13	104.62
12 56 53 00-0349 EA 18" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,268.76	108.42
12 56 53 00-0350 EA 21" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,295.88	110.61
12 56 53 00-0351 EA 24" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,331.14	113.87
12 56 53 00-0352 EA 30" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet .....	1,932.35	197.79
12 56 53 00-0353 EA 36" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet .....	2,075.74	212.50
12 56 53 00-0354 EA 42" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet .....	2,127.39	217.95
12 56 53 00-0355 EA 48" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet .....	2,229.94	228.30
12 56 53 00-0356 EA 15" Wide Cabinet, 1 Drawer Over Cupboard .....	1,130.94	115.73
12 56 53 00-0357 EA 18" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinets .....	1,171.83	119.98
12 56 53 00-0358 EA 21" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet .....	1,196.82	122.48
12 56 53 00-0359 EA 24" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet .....	1,230.89	125.97
12 56 53 00-0360 EA 30" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet .....	1,825.87	186.89
12 56 53 00-0361 EA 36" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet .....	1,909.92	195.50
12 56 53 00-0362 EA 42" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet .....	2,127.39	201.06
12 56 53 00-0363 EA 48" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet .....	2,034.85	208.25
12 56 53 00-0364 EA 22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner, Plastic Laminate Laboratory Base Cabinet .....	2,384.65	244.10
12 56 53 00-0365 EA 22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner With Lazy Susan, Plastic Laminate Laboratory Base Cabinet .....	2,643.40	270.58
12 56 53 00-0366 EA 15" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet .....	931.11	95.35
12 56 53 00-0367 EA 18" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet .....	960.64	98.29
12 56 53 00-0368 EA 21" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet .....	978.79	100.15
12 56 53 00-0369 EA 24" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet .....	1,001.51	102.54
12 56 53 00-0370 EA 30" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet .....	1,283.11	131.32
12 56 53 00-0371 EA 36" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet .....	1,348.96	138.06
12 56 53 00-0372 EA 42" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet .....	1,387.58	141.99
12 56 53 00-0373 EA 48" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet .....	1,428.44	146.24
<b>12 56 53 00-0374 30.6" High x 12" Deep, Plastic Laminate Laboratory Wall Cabinet</b> (12 56 53 00-0322)		
12 56 53 00-0375 EA 15" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet .....	999.25	102.32
For 36" Height Cabinet, Add	147.02	
12 56 53 00-0376 EA 18" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet .....	1,037.85	106.25
For 36" Height Cabinet, Add	152.70	
12 56 53 00-0377 EA 21" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet .....	1,065.11	108.97
For 36" Height Cabinet, Add	156.71	
12 56 53 00-0378 EA 24" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet .....	971.99	99.49
For 36" Height Cabinet, Add	143.01	
12 56 53 00-0379 EA 30" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet .....	1,117.35	114.42
For 36" Height Cabinet, Add	164.39	
12 56 53 00-0380 EA 36" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet .....	1,210.46	123.90
For 36" Height Cabinet, Add	178.09	
12 56 53 00-0381 EA 42" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet .....	1,264.95	129.46
For 36" Height Cabinet, Add	186.11	
12 56 53 00-0382 EA 48" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet .....	1,339.91	137.20
For 36" Height Cabinet, Add	197.14	
12 56 53 00-0383 EA 15" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	1,096.90	112.24
For 36" Height Cabinet, Add	161.38	
12 56 53 00-0384 EA 18" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	1,146.87	117.37
For 36" Height Cabinet, Add	168.74	
12 56 53 00-0385 EA 21" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	2,554.32	1,229.43
For 36" Height Cabinet, Add	17.67	
12 56 53 00-0386 EA 24" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	1,233.16	126.19
For 36" Height Cabinet, Add	181.43	
12 56 53 00-0387 EA 30" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	1,612.44	165.09
For 36" Height Cabinet, Add	237.23	
12 56 53 00-0388 EA 36" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	1,737.34	177.84
For 36" Height Cabinet, Add	255.61	
12 56 53 00-0389 EA 42" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet .....	1,816.81	185.91
For 36" Height Cabinet, Add	267.30	



<b>Furnishings</b>	<b>12</b>
Furniture	12 50
Institutional Furniture	12 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0390 EA 48" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,912.17 281.34	195.72
12 56 53 00-0391 EA 15" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,228.61 180.77	125.76
12 56 53 00-0392 EA 18" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,276.31 187.78	130.66
12 56 53 00-0393 EA 21" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,312.63 193.13	134.37
12 56 53 00-0394 EA 24" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,362.60 200.48	139.48
12 56 53 00-0395 EA 30" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,878.12 276.33	192.23
12 56 53 00-0396 EA 36" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,998.50 294.04	204.54
12 56 53 00-0397 EA 42" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,052.95 302.06	210.10
12 56 53 00-0398 EA 48" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,177.87 320.43	222.96
12 56 53 00-0399 EA 30" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,680.59 247.26	172.06
12 56 53 00-0400 EA 36" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,814.29 266.97	185.58
12 56 53 00-0401 EA 42" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,937.05 285.01	198.22
12 56 53 00-0402 EA 48" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,073.33 305.06	212.39
12 56 53 00-0403 EA 30" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,030.52 298.71	207.92
12 56 53 00-0404 EA 36" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,157.64 317.42	220.89
12 56 53 00-0405 EA 42" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,225.56 327.45	227.76
12 56 53 00-0406 EA 48" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,348.17 345.49	240.29
<b>12 56 53 00-0407 30.6" High x 16" Deep, Plastic Laminate Laboratory Wall Cabinet (12 56 53 00-0322)</b>		
12 56 53 00-0408 EA 15" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,149.13 169.07	117.58
12 56 53 00-0409 EA 18" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,210.46 178.09	123.90
12 56 53 00-0410 EA 21" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,246.74 183.44	127.61
12 56 53 00-0411 EA 24" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,299.02 191.12	132.95
12 56 53 00-0412 EA 30" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,705.57 250.93	174.57
12 56 53 00-0413 EA 36" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,850.88 272.32	189.51
12 56 53 00-0414 EA 42" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,932.63 284.35	197.79
12 56 53 00-0415 EA 48" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,041.61 300.38	208.90
12 56 53 00-0416 EA 15" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,285.38 189.12	131.53
12 56 53 00-0417 EA 18" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,324.01 194.80	135.57
12 56 53 00-0418 EA 21" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,367.12 201.15	139.92
12 56 53 00-0419 EA 24" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,437.54 211.50	147.12
12 56 53 00-0420 EA 30" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,959.91 288.36	200.62
12 56 53 00-0421 EA 36" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,114.33 311.08	216.42
12 56 53 00-0422 EA 42" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,180.12 320.77	223.06
12 56 53 00-0423 EA 48" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,320.97 341.48	237.57
12 56 53 00-0424 EA 30" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,760.10 258.95	180.13
12 56 53 00-0425 EA 36" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	1,946.02 286.35	199.09
12 56 53 00-0426 EA 42" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,043.79 300.72	209.12
12 56 53 00-0427 EA 48" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,184.83 321.43	223.72
12 56 53 00-0428 EA 30" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,121.42 312.08	217.29
12 56 53 00-0429 EA 36" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,255.30 331.79	230.91
12 56 53 00-0430 EA 42" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet ..... <i>For 36" Height Cabinet, Add</i>	2,345.94 345.16	240.06

**12 Furnishings****12 50 Furniture****12 56 Institutional Furniture**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0431 EA 48" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,473.05 363.87	253.15
<b>12 56 89 Cafeteria Furniture</b> <small>(12 56)</small>		
<b>12 56 89 00-0001 Cafeteria Table Wall Pocket Systems</b> <small>(12 56 89)</small>		
12 56 89 00-0002 EA Single Table Pocket System, Against-Wall..... Note: System includes single wall pocket, one table ( Up to 29" H x 30" W x 14' L), and two benches (Up to 17" H x 12" W x 14' L).	10,891.30	518.87
12 56 89 00-0003 EA Double Table Pocket System, Against-Wall..... Note: System includes double wall pocket, two tables (Up to 29" H x 30" W x 14' L), and four benches (Up to 17" H x 12" W x 14' L).	17,943.15	622.64
12 56 89 00-0004 EA Single Table Pocket System, Recessed In Wall..... Note: System includes single wall pocket, one table (Up to 29" H x 30" W x 14' L), and two benches (Up to 17" H x 12" W x 14' L).	11,039.41	726.42
12 56 89 00-0005 EA Double Table Pocket System, Recessed In Wall..... Note: System includes double wall pocket, two tables (Up to 29" H x 30" W x 14' L), and four benches (Up to 17" H x 12" W x 14' L).	18,093.33	830.19
<b>12 59 Systems Furniture</b> <small>(12 50)</small>		
<b>12 59 13 Panel-Hung Component System Furniture</b> <small>(12 59)</small>		
<b>12 59 13 00-0001 Open Office Systems Furniture Components</b> <small>(12 59 13)</small>		
Note: Excludes electrical wire and wiring devices.		
12 59 13 00-0002 EA 34H 24W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	275.58 50.84 55.27 -22.11	21.82
12 59 13 00-0003 EA 34H 30W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	306.28 56.51 61.42 -24.57	24.28
12 59 13 00-0004 EA 34H 36W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	327.50 60.42 65.68 -26.27	25.86
12 59 13 00-0005 EA 34H 48W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	366.96 67.71 73.59 -29.44	29.05
12 59 13 00-0006 EA 42H 24W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	279.96 51.65 56.15 -22.46	22.14
12 59 13 00-0007 EA 42H 30W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	316.50 58.40 63.48 -25.39	25.00
12 59 13 00-0008 EA 42H 36W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	354.51 65.41 71.10 -28.44	28.09
12 59 13 00-0009 EA 42H 48W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	416.67 76.88 83.56 -33.43	32.93
12 59 13 00-0010 EA 62H 12W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	269.72 49.77 54.09 -21.64	21.34
12 59 13 00-0011 EA 62H 24W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	331.86 61.23 66.56 -26.62	26.26
12 59 13 00-0012 EA 62H 36W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	415.21 76.61 83.27 -33.31	32.85
12 59 13 00-0013 EA 62H 48W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	497.05 91.71 99.69 -39.88	39.28
12 59 13 00-0014 EA 34" Draw Rod Panel Connector Hardware.....	15.05	1.19
12 59 13 00-0015 EA 42" Draw Rod Panel Connector Hardware.....	15.05	1.19
12 59 13 00-0016 EA 62" Draw Rod Panel Connector Hardware.....	16.05	1.26
12 59 13 00-0017 EA 34" Two-Way 90 Degree Panel Connector Hardware.....	69.23	5.47
12 59 13 00-0018 EA 42" Two-Way 90 Degree Panel Connector Hardware.....	80.26	6.35
12 59 13 00-0019 EA 62" Two-Way 90 Degree Panel Connector Hardware.....	92.31	7.30
12 59 13 00-0020 EA 34" Three-Way 90 Degree Panel Connector Hardware.....	107.35	8.49
12 59 13 00-0021 EA 42" Three-Way 90 Degree Panel Connector Hardware.....	124.41	9.84
12 59 13 00-0022 EA 62" Three-Way 90 Degree Panel Connector Hardware.....	144.48	11.43
12 59 13 00-0023 EA 34" Four-Way 90 Degree Panel Connector Hardware.....	135.46	10.71





<b>Furnishings</b>	<b>12</b>
Furniture	12 50
Systems Furniture	12 59

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0024 EA 42" Four-Way 90 Degree Panel Connector Hardware .....	158.52	12.54
12 59 13 00-0025 EA 62" Four-Way 90 Degree Panel Connector Hardware .....	190.63	15.08
12 59 13 00-0026 EA 34" Panel End Cap Hardware .....	23.08	1.83
12 59 13 00-0027 EA 42" Panel End Cap Hardware .....	26.09	2.06
12 59 13 00-0028 EA 62" Panel End Cap Hardware .....	28.10	2.22
12 59 13 00-0029 EA 28" Variable Height Panel End Filler .....	25.46	2.06
Note: Field cut to appropriate length.		
12 59 13 00-0030 EA Two-Way Trim Cover For Cable Management Raceway .....	13.10	1.03
12 59 13 00-0031 EA Three-Way Trim Cover For Cable Management Raceway .....	13.81	1.11
12 59 13 00-0032 EA Four-Way Trim Cover For Cable Management Raceway .....	15.99	1.26
12 59 13 00-0033 EA Finished End Trim Cover For Cable Management Raceway .....	13.10	1.03
12 59 13 00-0034 EA 12" Cable Management Raceway Assembly .....	26.91	2.14
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0035 EA 24" Cable Management Raceway Assembly .....	30.55	2.38
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0036 EA 30" Cable Management Raceway Assembly .....	31.27	2.46
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0037 EA 36" Cable Management Raceway Assembly .....	34.92	2.78
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0038 EA 48" Cable Management Raceway Assembly .....	39.27	3.09
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0039 EA 24" x 36" Radiused Edge Rectangular Hanging Work Surface .....	211.25	16.67
12 59 13 00-0040 EA 30" x 36" Radiused Edge Rectangular Hanging Work Surface .....	260.23	20.55
12 59 13 00-0041 EA 24" x 48" Radiused Edge Rectangular Hanging Work Surface .....	245.61	19.44
12 59 13 00-0042 EA 30" x 48" Radiused Edge Rectangular Hanging Work Surface .....	307.03	24.28
12 59 13 00-0043 EA 24" x 60" Radiused Edge Rectangular Hanging Work Surface .....	309.93	24.52
12 59 13 00-0044 EA 30" x 60" Radiused Edge Rectangular Hanging Work Surface .....	390.36	30.94
12 59 13 00-0045 EA 24" x 72" Radiused Edge Rectangular Hanging Work Surface .....	376.45	29.76
12 59 13 00-0046 EA 30" x 72" Radiused Edge Rectangular Hanging Work Surface .....	472.92	37.37
12 59 13 00-0047 EA 30" x 60" Radiused Edge Table .....	840.11	66.49
12 59 13 00-0048 EA 30" x 72" Radiused Edge Table .....	918.06	72.68
12 59 13 00-0049 EA 14" x 24" Radiused Edge Transaction Surface .....	100.88	8.01
12 59 13 00-0050 EA 14" x 36" Radiused Edge Transaction Surface .....	114.75	9.05
12 59 13 00-0051 EA 14" x 48" Radiused Edge Transaction Surface .....	128.66	10.16
12 59 13 00-0052 EA 14" x 60" Radiused Edge Transaction Surface .....	160.08	12.70
12 59 13 00-0053 EA 14" x 72" Radiused Edge Transaction Surface .....	192.23	15.23
12 59 13 00-0054 EA 14" Right Angle Corner Transaction Surface .....	336.26	26.59
12 59 13 00-0055 EA Transaction Surface Support .....	26.64	2.10
12 59 13 00-0056 EA Plastic Pencil Drawer .....	29.19	2.06
12 59 13 00-0057 EA 15-1/2" x 24" Hanging Shelf .....	98.21	7.78
12 59 13 00-0058 EA 15-1/2" x 36" Hanging Shelf .....	106.93	8.41
12 59 13 00-0059 EA 15-1/2" x 48" Hanging Shelf .....	114.21	9.05
12 59 13 00-0060 EA 24" Flipper Door - Top And Front Closure .....	169.47	13.41
Note: Used with hanging shelf.		
12 59 13 00-0061 EA 36" Flipper Door - Top And Front Closure .....	197.86	15.71
Note: Used with hanging shelf.		
12 59 13 00-0062 EA 48" Flipper Door - Top And Front Closure .....	226.95	17.93
Note: Used with hanging shelf.		
12 59 13 00-0063 EA 24" Suspended Lateral File, Lockable .....	584.49	45.98
12 59 13 00-0064 EA 30" Suspended Lateral File, Lockable .....	617.33	48.56
12 59 13 00-0065 EA 36" Suspended Lateral File, Lockable .....	651.37	51.24
12 59 13 00-0066 EA 48" Suspended Lateral File, Lockable .....	712.42	56.04
12 59 13 00-0067 EA Fully Adjustable Vinyl Keyboard Tray .....	264.79	20.94
12 59 13 00-0068 EA Palm Rest For Vinyl Keyboard Tray .....	41.45	3.33
12 59 13 00-0069 EA 24" x 36" Radiused Edge Corner Work Surface .....	334.52	26.50
12 59 13 00-0070 EA File Drawer Organizer .....	107.66	8.49
12 59 13 00-0071 EA Suspended Lateral File Converter Bracket .....	23.28	1.83
12 59 13 00-0072 EA Utility Task Light .....	116.38	9.21

**12 59 13 00-0073 Disassemble And Store Systems Furniture Components** (12 59 13)

12 59 13 00-0074 EA Disassemble And Store 34H 24W Fabric Covered Panel .....	27.27
12 59 13 00-0075 EA Disassemble And Store 34H 30W Fabric Covered Panel .....	30.30
12 59 13 00-0076 EA Disassemble And Store 34H 36W Fabric Covered Panel .....	32.40
12 59 13 00-0077 EA Disassemble And Store 34H 48W Fabric Covered Panel .....	36.30
12 59 13 00-0078 EA Disassemble And Store 42H 24W Fabric Covered Panel .....	27.70
12 59 13 00-0079 EA Disassemble And Store 42H 30W Fabric Covered Panel .....	31.31
12 59 13 00-0080 EA Disassemble And Store 42H 36W Fabric Covered Panel .....	35.08
12 59 13 00-0081 EA Disassemble And Store 42H 48W Fabric Covered Panel .....	41.22
12 59 13 00-0082 EA Disassemble And Store 62H 12W Fabric Covered Panel .....	26.69
12 59 13 00-0083 EA Disassemble And Store 62H 24W Fabric Covered Panel .....	32.84
12 59 13 00-0084 EA Disassemble And Store 62H 36W Fabric Covered Panel .....	41.08
12 59 13 00-0085 EA Disassemble And Store 62H 48W Fabric Covered Panel .....	49.19
12 59 13 00-0086 EA Disassemble And Store 34" Draw Rod Panel Connector Hardware .....	1.49
12 59 13 00-0087 EA Disassemble And Store 42" Draw Rod Panel Connector Hardware .....	1.49
12 59 13 00-0088 EA Disassemble And Store 62" Draw Rod Panel Connector Hardware .....	1.59
12 59 13 00-0089 EA Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware .....	6.85
12 59 13 00-0090 EA Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware .....	7.94
12 59 13 00-0091 EA Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware .....	9.14
12 59 13 00-0092 EA Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware .....	10.62
12 59 13 00-0093 EA Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware .....	12.31
12 59 13 00-0094 EA Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware .....	14.30

**12 Furnishings****12 50 Furniture****12 59 Systems Furniture**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

12 59 13 00-0095	EA	Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware	13.40
12 59 13 00-0096	EA	Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware	15.68
12 59 13 00-0097	EA	Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware	18.86
12 59 13 00-0098	EA	Disassemble And Store 34" Panel End Cap Hardware	2.28
12 59 13 00-0099	EA	Disassemble And Store 42" Panel End Cap Hardware	2.58
12 59 13 00-0100	EA	Disassemble And Store 62" Panel End Cap Hardware	2.78
12 59 13 00-0101	EA	Disassemble And Store Variable Height Panel End Filler	2.52
12 59 13 00-0102	EA	Disassemble And Store Two-Way Trim Cover For Cable Management Raceway	1.30
12 59 13 00-0103	EA	Disassemble And Store Three-Way Trim Cover For Cable Management Raceway	1.37
12 59 13 00-0104	EA	Disassemble And Store Four-Way Trim Cover For Cable Management Raceway	1.59
12 59 13 00-0105	EA	Disassemble And Store Finished End Trim Cover For Cable Management Raceway	1.30
12 59 13 00-0106	EA	Disassemble And Store 12" Cable Management Raceway Assembly	2.66
12 59 13 00-0107	EA	Disassemble And Store 24" Cable Management Raceway Assembly	3.02
12 59 13 00-0108	EA	Disassemble And Store 30" Cable Management Raceway Assembly	3.09
12 59 13 00-0109	EA	Disassemble And Store 36" Cable Management Raceway Assembly	3.45
12 59 13 00-0110	EA	Disassemble And Store 48" Cable Management Raceway Assembly	3.89
12 59 13 00-0111	EA	Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface	20.90
12 59 13 00-0112	EA	Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface	25.75
12 59 13 00-0113	EA	Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface	24.31
12 59 13 00-0114	EA	Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface	30.38
12 59 13 00-0115	EA	Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface	30.67
12 59 13 00-0116	EA	Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface	38.62
12 59 13 00-0117	EA	Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface	37.25
12 59 13 00-0118	EA	Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface	46.80
12 59 13 00-0119	EA	Disassemble And Store 30" x 60" Radiused Edge Table	72.27
12 59 13 00-0120	EA	Disassemble And Store 30" x 72" Radiused Edge Table	90.82
12 59 13 00-0121	EA	Disassemble And Store 14" x 24" Radiused Edge Transaction Surface	9.98
12 59 13 00-0122	EA	Disassemble And Store 14" x 36" Radiused Edge Transaction Surface	11.35
12 59 13 00-0123	EA	Disassemble And Store 14" x 48" Radiused Edge Transaction Surface	12.73
12 59 13 00-0124	EA	Disassemble And Store 14" x 60" Radiused Edge Transaction Surface	15.84
12 59 13 00-0125	EA	Disassemble And Store 14" x 72" Radiused Edge Transaction Surface	19.03
12 59 13 00-0126	EA	Disassemble And Store 14" Right Angle Corner Transaction Surface	33.27
12 59 13 00-0127	EA	Disassemble And Store Transaction Surface Support	2.63
12 59 13 00-0128	EA	Disassemble And Store Plastic Pencil Drawer	2.59
12 59 13 00-0129	EA	Disassemble And Store 15-1/2" x 24" Hanging Shelf	9.72
12 59 13 00-0130	EA	Disassemble And Store 15-1/2" x 36" Hanging Shelf	10.58
12 59 13 00-0131	EA	Disassemble And Store 15-1/2" x 48" Hanging Shelf	11.30
12 59 13 00-0132	EA	Disassemble And Store 24" Flipper Door And Shelf	16.77
12 59 13 00-0133	EA	Disassemble And Store 36" Flipper Door And Shelf	19.58
12 59 13 00-0134	EA	Disassemble And Store 48" Flipper Door And Shelf	22.46
12 59 13 00-0135	EA	Disassemble And Store 24" Suspended Lateral File	57.48
12 59 13 00-0136	EA	Disassemble And Store 30" Suspended Lateral File	60.70
12 59 13 00-0137	EA	Disassemble And Store 36" Suspended Lateral File	64.05
12 59 13 00-0138	EA	Disassemble And Store 48" Suspended Lateral File	70.06
12 59 13 00-0139	EA	Disassemble And Store Fully Adjustable Vinyl Keyboard Tray	26.20
12 59 13 00-0140	EA	Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface	33.10
12 59 13 00-0141	EA	Disassemble And Store Utility Task Light	11.52

**12 59 13 00-0142 Reconfigure Systems Furniture Components (12 59 13)**

12 59 13 00-0143	EA	Reconfigure 34H 24W Fabric Covered Panel	29.08
12 59 13 00-0144	EA	Reconfigure 34H 30W Fabric Covered Panel	32.31
12 59 13 00-0145	EA	Reconfigure 34H 36W Fabric Covered Panel	34.55
12 59 13 00-0146	EA	Reconfigure 34H 48W Fabric Covered Panel	38.71
12 59 13 00-0147	EA	Reconfigure 42H 24W Fabric Covered Panel	29.54
12 59 13 00-0148	EA	Reconfigure 42H 30W Fabric Covered Panel	33.39
12 59 13 00-0149	EA	Reconfigure 42H 36W Fabric Covered Panel	37.40
12 59 13 00-0150	EA	Reconfigure 42H 48W Fabric Covered Panel	43.95
12 59 13 00-0151	EA	Reconfigure 62H 12W Fabric Covered Panel	28.45
12 59 13 00-0152	EA	Reconfigure 62H 24W Fabric Covered Panel	35.01
12 59 13 00-0153	EA	Reconfigure 62H 36W Fabric Covered Panel	43.80
12 59 13 00-0154	EA	Reconfigure 62H 48W Fabric Covered Panel	52.44
12 59 13 00-0155	EA	Reconfigure 34" Draw Rod Panel Connector Hardware	1.59
12 59 13 00-0156	EA	Reconfigure 42" Draw Rod Panel Connector Hardware	1.59
12 59 13 00-0157	EA	Reconfigure 62" Draw Rod Panel Connector Hardware	1.70
12 59 13 00-0158	EA	Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware	7.30
12 59 13 00-0159	EA	Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware	8.46
12 59 13 00-0160	EA	Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware	9.74
12 59 13 00-0161	EA	Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware	11.32
12 59 13 00-0162	EA	Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware	13.12
12 59 13 00-0163	EA	Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware	15.24
12 59 13 00-0164	EA	Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware	14.29
12 59 13 00-0165	EA	Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware	16.73
12 59 13 00-0166	EA	Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware	20.11
12 59 13 00-0167	EA	Reconfigure 34" Panel End Cap Hardware	2.43
12 59 13 00-0168	EA	Reconfigure 42" Panel End Cap Hardware	2.75
12 59 13 00-0169	EA	Reconfigure 62" Panel End Cap Hardware	2.96
12 59 13 00-0170	EA	Reconfigure Variable Height Panel End Filler	2.68
12 59 13 00-0171	EA	Reconfigure Two-Way Trim Cover For Cable Management Raceway	1.39
12 59 13 00-0172	EA	Reconfigure Three-Way Trim Cover For Cable Management Raceway	1.46
12 59 13 00-0173	EA	Reconfigure Four-Way Trim Cover For Cable Management Raceway	1.69



<b>Furnishings</b>	<b>12</b>	<b>12</b>
Furniture	12 50	
Systems Furniture	12 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0174 EA Reconfigure Finished End Trim Cover For Cable Management Raceway.....	1.39	
12 59 13 00-0175 EA Reconfigure 12" Cable Management Raceway Assembly.....	2.84	
12 59 13 00-0176 EA Reconfigure 24" Cable Management Raceway Assembly.....	3.22	
12 59 13 00-0177 EA Reconfigure 30" Cable Management Raceway Assembly.....	3.30	
12 59 13 00-0178 EA Reconfigure 36" Cable Management Raceway Assembly.....	3.68	
12 59 13 00-0179 EA Reconfigure 48" Cable Management Raceway Assembly.....	4.15	
12 59 13 00-0180 EA Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	22.29	
12 59 13 00-0181 EA Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	27.45	
12 59 13 00-0182 EA Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	25.91	
12 59 13 00-0183 EA Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	32.39	
12 59 13 00-0184 EA Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	32.70	
12 59 13 00-0185 EA Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	41.18	
12 59 13 00-0186 EA Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	39.72	
12 59 13 00-0187 EA Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	49.89	
12 59 13 00-0188 EA Reconfigure 30" x 60" Radiused Edge Table.....	88.64	
12 59 13 00-0189 EA Reconfigure 30" x 72" Radiused Edge Table.....	96.86	
12 59 13 00-0190 EA Reconfigure 14" x 24" Radiused Edge Transaction Surface.....	10.64	
12 59 13 00-0191 EA Reconfigure 14" x 36" Radiused Edge Transaction Surface.....	12.11	
12 59 13 00-0192 EA Reconfigure 14" x 48" Radiused Edge Transaction Surface.....	13.57	
12 59 13 00-0193 EA Reconfigure 14" x 60" Radiused Edge Transaction Surface.....	16.89	
12 59 13 00-0194 EA Reconfigure 14" x 72" Radiused Edge Transaction Surface.....	20.28	
12 59 13 00-0195 EA Reconfigure 14" Right Angle Corner Transaction Surface.....	35.47	
12 59 13 00-0196 EA Reconfigure Transaction Surface Support.....	2.80	
12 59 13 00-0197 EA Reconfigure 15-1/2" x 24" Hanging Shelf.....	10.36	
12 59 13 00-0198 EA Reconfigure 15-1/2" x 36" Hanging Shelf.....	11.28	
12 59 13 00-0199 EA Reconfigure 15-1/2" x 48" Hanging Shelf.....	12.05	
12 59 13 00-0200 EA Reconfigure 24" Flipper Door And Shelf.....	17.88	
12 59 13 00-0201 EA Reconfigure 36" Flipper Door And Shelf.....	20.87	
12 59 13 00-0202 EA Reconfigure 48" Flipper Door And Shelf.....	23.94	
12 59 13 00-0203 EA Reconfigure 24" Suspended Lateral File.....	61.31	
12 59 13 00-0204 EA Reconfigure 30" Suspended Lateral File.....	64.76	
12 59 13 00-0205 EA Reconfigure 36" Suspended Lateral File.....	68.33	
12 59 13 00-0206 EA Reconfigure 48" Suspended Lateral File.....	74.74	
12 59 13 00-0207 EA Reconfigure 24" x 36" Radiused Edge Corner Work Surface.....	35.29	

## 12 60 Multiple Seating <sup>(12)</sup>

### 12 61 Fixed Audience Seating <sup>(12 60)</sup>

#### 12 61 13 Upholstered Audience Seating <sup>(12 61)</sup>

##### 12 61 13 00-0001 Upholstered Audience Seating <sup>(12 61 13)</sup>

12 61 13 00-0002 EA Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Marquee 51.12.00.4).....	507.08	45.68
Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
For >100 To 249, Deduct	-61.17	
For >249 To 749, Deduct	-73.40	
For >749, Deduct	-81.56	
For Up To 9, Add	664.68	
For >9 To 24, Add	265.06	
For Expansion Anchor Mounting With Anchor Caps, Add	24.38	
For Epoxy Anchor Mounting With Anchor Caps, Add	28.04	
12 61 13 00-0003 EA Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Marquee 51.12.10.4).....	533.46	45.68
Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
For >100 To 249, Deduct	-65.12	
For >249 To 749, Deduct	-78.15	
For >749, Deduct	-86.83	
For Up To 9, Add	664.26	
For >9 To 24, Add	264.84	
For Expansion Anchor Mounting With Anchor Caps, Add	24.38	
For Epoxy Anchor Mounting With Anchor Caps, Add	28.04	
12 61 13 00-0004 EA Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Saturn 22.12.00.4).....	653.18	45.68
Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
For >100 To 249, Deduct	-83.08	
For >249 To 749, Deduct	-99.70	
For >749, Deduct	-110.78	
For Up To 9, Add	664.66	
For >9 To 24, Add	265.86	
For Expansion Anchor Mounting With Anchor Caps, Add	24.38	
For Epoxy Anchor Mounting With Anchor Caps, Add	28.04	

<b>12</b>	<b>Furnishings</b>
<b>12 60</b>	<b>Multiple Seating</b>
<b>12 61</b>	<b>Fixed Audience Seating</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 13 00-0005 EA Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Saturn 22.12.10.4).....	679.91	45.68
Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms		
For >100 To 249, Deduct	-87.09	
For >249 To 749, Deduct	-104.51	
For >749, Deduct	-116.12	
For Up To 9, Add	661.90	
For >9 To 24, Add	267.08	
For Expansion Anchor Mounting With Anchor Caps, Add	24.38	
For Epoxy Anchor Mounting With Anchor Caps, Add	28.04	
12 61 13 00-0006 EA Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Citation 90.12.00.4).....	444.36	45.68
Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
For >100 To 249, Deduct	-51.76	
For >249 To 749, Deduct	-62.11	
For >749, Deduct	-69.01	
For Up To 9, Add	665.97	
For >9 To 24, Add	265.70	
For Expansion Anchor Mounting With Anchor Caps, Add	24.38	
For Epoxy Anchor Mounting With Anchor Caps, Add	28.04	
12 61 13 00-0007 EA Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Insert Aisle Panel (Irwin Citation 90.12.10.4).....	449.63	45.68
Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with laminate insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
For >100 To 249, Deduct	-52.55	
For >249 To 749, Deduct	-63.06	
For >749, Deduct	-70.07	
For Up To 9, Add	665.63	
For >9 To 24, Add	266.25	
For Expansion Anchor Mounting With Anchor Caps, Add	24.38	
For Epoxy Anchor Mounting With Anchor Caps, Add	28.04	
12 61 13 00-0008 EA Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Citation 90.12.86.4).....	472.29	45.68
Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 86 laminate surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
For >100 To 249, Deduct	-55.95	
For >249 To 749, Deduct	-67.14	
For >749, Deduct	-74.60	
For Up To 9, Add	663.92	
For >9 To 24, Add	264.82	
For Expansion Anchor Mounting With Anchor Caps, Add	24.38	
For Epoxy Anchor Mounting With Anchor Caps, Add	28.04	
<b>12 61 16 Molded-Plastic Audience Seating (12 61)</b>		
<b>12 61 16 00-0001 Molded-Plastic Audience Seating (12 61 16)</b>		
12 61 16 00-0002 EA Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating (Irwin Patriot 30.52.00.30).....	338.37	45.68
Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, open aisle standards, number 30 steel chair platform, floor mount, and polymer arms.		
For >100 To 249, Deduct	-35.86	
For >249 To 749, Deduct	-43.03	
For >749, Deduct	-47.81	
For Up To 9, Add	655.05	
For >9 To 24, Add	262.98	
For Expansion Anchor Mounting With Anchor Caps, Add	24.38	
For Epoxy Anchor Mounting With Anchor Caps, Add	28.04	
12 61 16 00-0003 EA Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Patriot 30.52.36.30).....	378.24	45.68
Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, number 36 laminate surfaced aisle panel, number 30 steel chair platform, floor mount, and flat laminate surfaced arms.		
For >100 To 249, Deduct	-41.84	
For >249 To 749, Deduct	-50.21	
For >749, Deduct	-55.79	
For Up To 9, Add	655.51	
For >9 To 24, Add	262.20	
For Expansion Anchor Mounting With Anchor Caps, Add	24.38	
For Epoxy Anchor Mounting With Anchor Caps, Add	28.04	
<b>12 61 19 Plywood/Hardwood Audience Seating (12 61)</b>		
<b>12 61 19 00-0001 Plywood/Hardwood Audience Seating (12 61 19)</b>		



<b>Furnishings</b>	<b>12</b>
<b>Multiple Seating</b>	<b>12 60</b>
<b>Fixed Audience Seating</b>	<b>12 61</b>

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 61 19 00-0002	EA Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Crusader 1.14.00.4).....	531.90	45.68
	Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, open aisle standards, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
	For >100 To 249, Deduct	-64.89	
	For >249 To 749, Deduct	-77.87	
	For >749, Deduct	-86.52	
	For Up To 9, Add	687.83	
	For >9 To 24, Add	276.86	
	For Expansion Anchor Mounting With Anchor Caps, Add	24.38	
	For Epoxy Anchor Mounting With Anchor Caps, Add	28.04	
12 61 19 00-0003	EA Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Surfaced Aisle Panel (Irwin Crusader 1.14.86.4).....	553.30	45.68
	Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, number 86 veneer surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
	For >100 To 249, Deduct	-68.10	
	For >249 To 749, Deduct	-81.72	
	For >749, Deduct	-90.80	
	For Up To 9, Add	658.30	
	For >9 To 24, Add	263.32	
	For Expansion Anchor Mounting With Anchor Caps, Add	24.38	
	For Epoxy Anchor Mounting With Anchor Caps, Add	28.04	

**12 61 21 Fixed Audience Seating Accessories** (12 61)

**12 61 21 00-0001 Fixed Audience Seating Accessories** (12 61 21)

12 61 21 00-0002	EA 100 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin) .....	171.48	
	For >100 To 249, Deduct	-24.23	
	For >249 To 749, Deduct	-29.08	
	For >749, Deduct	-32.31	
12 61 21 00-0003	EA 120 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin) .....	174.59	
	For >100 To 249, Deduct	-24.70	
	For >249 To 749, Deduct	-29.64	
	For >749, Deduct	-32.93	
12 61 21 00-0004	EA 151 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin) .....	182.70	
	For >100 To 249, Deduct	-25.92	
	For >249 To 749, Deduct	-31.10	
	For >749, Deduct	-34.55	
12 61 21 00-0005	EA 98 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin) .....	171.48	
	For >100 To 249, Deduct	-24.23	
	For >249 To 749, Deduct	-29.08	
	For >749, Deduct	-32.31	
12 61 21 00-0006	EA 105 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin) .....	183.38	
	For >100 To 249, Deduct	-26.02	
	For >249 To 749, Deduct	-31.22	
	For >749, Deduct	-34.69	
12 61 21 00-0007	EA Rubber Foot Shrouds For Number 4 Chair Platform (Per Chair), Fixed Audience Seating (Irwin).....	13.92	

**12 62 Portable-Audience Seating** (12 62)

**12 62 23 Portable Bleachers** (12 62)

**12 62 23 00-0001 Metal Bleachers, Outdoor, Portable** (12 62 23)

Note: Average seating is 18".

**12 62 23 00-0002 Non-Elevated Portable Aluminum Bleacher** (12 62 23 00-0001)

12 62 23 00-0003	SEA 2 To 5 Rows, Non Elevated Portable Aluminum Bleacher Price Per Seat.....	114.56	4.06
	For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure	165.00	
	For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure	335.00	

**12 62 23 00-0004 Non-Elevated Portable Aluminum Bleacher** (12 62 23 00-0001)

Note: Includes side and back fence.

12 62 23 00-0005	SEA 5 Rows, Non Elevated Portable Aluminum Bleacher .....	149.89	4.06
	Note: Including side and back fence.		
	For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	
12 62 23 00-0006	SEA 6 To 10 Rows, Non Elevated Portable Aluminum Bleacher .....	170.68	4.27
	Note: Including side and back fence.		
	For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	
12 62 23 00-0007	SEA 11 To 15 Rows, Non Elevated Portable Aluminum Bleacher.....	178.19	4.48
	Note: Including side and back fence.		
	For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	

**12 62 23 00-0008 Non-Elevated Portable Aluminum Bleacher** (12 62 23 00-0001)

Note: Includes side and back fence and center aisle with rails.

12 62 23 00-0009	SEA 5 Rows, Non Elevated Portable Aluminum Bleacher .....	233.57	4.58
	Note: Including side and back fence and center aisle with hand rails.		
	For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	

**12 Furnishings**  
**12 60 Multiple Seating**  
**12 62 Portable-Audience Seating**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 62 23 00-0010 SEA 6 To 10 Rows, Non Elevated Portable Aluminum Bleacher..... Note: Including side and back fence and center aisle with hand rails. For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	266.86 35.00	4.81
12 62 23 00-0011 SEA 11 To 15 Rows, Non Elevated Portable Aluminum Bleacher..... Note: Including side and back fence and center aisle with hand rails. For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	289.37 35.00	5.08

**12 66 Telescoping Stands** (12 60)

**12 66 13 Telescoping Bleachers** (12 66)

**12 66 13 00-0001 Wall Mounted Telescoping Bleachers** (12 66 13)

Note: Includes column cut-outs, manual operation, 10" plastic seats and cylinder lock. Excludes self storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts. See CSI section 12 66 13 00-0019 for additional optional accessories.

12 66 13 00-0002 SEA 3 To 10 Tier Telescoping Bleacher, 24" Row Spacing..... For Aluminum Seating And Walks, Add For 10" Flat Plastic Seat Modules, Add For 10" Curved Plastic Seat Modules, Add For 14" Curved Plastic Seat Module, Add For >200 To 300, Deduct For >300 To 400, Deduct For >400 To 500, Deduct For >500, Deduct	207.07 68.67 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	21.25
12 66 13 00-0003 SEA 3 To 10 Tier Telescoping Bleacher, 25" - 26" Row Spacing ..... For Aluminum Seating And Walks, Add For 10" Flat Plastic Seat Modules, Add For 10" Curved Plastic Seat Modules, Add For 14" Curved Plastic Seat Module, Add For >200 To 300, Deduct For >300 To 400, Deduct For >400 To 500, Deduct For >500, Deduct	235.37 79.43 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	27.68
12 66 13 00-0004 SEA 3 To 10 Tier Telescoping Bleacher, 28" - 30" Row Spacing ..... For Aluminum Seating And Walks, Add For 10" Flat Plastic Seat Modules, Add For 10" Curved Plastic Seat Modules, Add For 14" Curved Plastic Seat Module, Add For >200 To 300, Deduct For >300 To 400, Deduct For >400 To 500, Deduct For >500, Deduct	266.30 91.39 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	28.55
12 66 13 00-0005 SEA 3 To 10 Tier Telescoping Bleacher, 31" - 33" Row Spacing ..... For Aluminum Seating And Walks, Add For 10" Flat Plastic Seat Modules, Add For 10" Curved Plastic Seat Modules, Add For 14" Curved Plastic Seat Module, Add For >200 To 300, Deduct For >300 To 400, Deduct For >400 To 500, Deduct For >500, Deduct	289.47 99.86 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	29.21
12 66 13 00-0006 SEA 11 To 20 Tier Telescoping Bleacher, 24" Row Spacing..... For Aluminum Seating And Walks, Add For 10" Flat Plastic Seat Modules, Add For 10" Curved Plastic Seat Modules, Add For 14" Curved Plastic Seat Module, Add For >200 To 300, Deduct For >300 To 400, Deduct For >400 To 500, Deduct For >500, Deduct	212.76 71.23 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	21.25
12 66 13 00-0007 SEA 11 To 20 Tier Telescoping Bleacher, 25" - 26" Row Spacing ..... For Aluminum Seating And Walks, Add For 10" Flat Plastic Seat Modules, Add For 10" Curved Plastic Seat Modules, Add For 14" Curved Plastic Seat Module, Add For >200 To 300, Deduct For >300 To 400, Deduct For >400 To 500, Deduct For >500, Deduct	246.63 84.50 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	27.68
12 66 13 00-0008 SEA 11 To 20 Tier Telescoping Bleacher, 28" - 30" Row Spacing ..... For Aluminum Seating And Walks, Add For 10" Flat Plastic Seat Modules, Add For 10" Curved Plastic Seat Modules, Add For 14" Curved Plastic Seat Module, Add For >200 To 300, Deduct For >300 To 400, Deduct For >400 To 500, Deduct For >500, Deduct	281.55 98.25 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	28.55



<b>Furnishings</b>	<b>12</b>
Multiple Seating	12 60
Telescoping Stands	12 66

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 13 00-0009 SEA 11 To 20 Tier Telescoping Bleacher, 31" - 33" Row Spacing .....	308.90	29.21
For Aluminum Seating And Walks, Add	108.60	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0010 SEA 21 To 30 Tier Telescoping Bleacher, 22" - 24" Row Spacing .....	218.49	21.25
For Aluminum Seating And Walks, Add	73.80	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0011 SEA 21 To 30 Tier Telescoping Bleacher, 25" - 26" Row Spacing .....	257.88	27.68
For Aluminum Seating And Walks, Add	89.56	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0012 SEA 21 To 30 Tier Telescoping Bleacher, 28" - 30" Row Spacing .....	296.96	28.55
For Aluminum Seating And Walks, Add	105.19	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0013 SEA 21 To 30 Tier Telescoping Bleacher, 31" - 33" Row Spacing .....	353.27	29.21
For Aluminum Seating And Walks, Add	117.29	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
<b>12 66 13 00-0014 Portable Telescoping Bleachers</b> <small>(12 66 13)</small>		
Note: Includes manual operation, 10" plastic seats and cylinder lock. Excludes self storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts.		
12 66 13 00-0015 SEA 3 To 10 Tier Portable Bleacher, 24" Row Spacing.....	229.46	21.25
For Aluminum Seating And Walks, Add	78.74	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0016 SEA 3 To 10 Tier Portable Bleacher, 25" - 26" Row Spacing .....	261.85	27.68
For Aluminum Seating And Walks, Add	91.35	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0017 SEA 3 To 10 Tier Portable Bleacher, 28" - 30" Row Spacing .....	296.77	28.55
For Aluminum Seating And Walks, Add	105.10	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0018 SEA 3 To 10 Tier Portable Bleacher, 31" - 33" Row Spacing .....	322.75	29.21
For Aluminum Seating And Walks, Add	114.83	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	

<b>12</b>	<b>Furnishings</b>
12 60	Multiple Seating
12 66	Telescoping Stands



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

12 66 13 00-0019	Options And Accessories <small>(12 66 13)</small>		
12 66 13 00-0020	EA Removable Center Railing, Single Sphere.....	158.28	3.82
12 66 13 00-0021	LF Removable Center Railing, Single Rail.....	55.72	3.82
12 66 13 00-0022	EA Self Storing Side Railing.....	181.70	4.36
12 66 13 00-0023	LF Rear Railing, Horizontal Or Vertical Rails.....	125.90	3.79
12 66 13 00-0024	SF Rear Panel, Plywood With Metal Frame, Trim And Finish.....	12.40	1.09
12 66 13 00-0025	SF End Panel, Plywood With Metal Frame, Trim And Finish.....	29.20	1.09
12 66 13 00-0026	SF Rear Filler Panel.....	41.88	0.54
12 66 13 00-0027	EA 4' Scorer/Timer Table.....	338.79	18.52
12 66 13 00-0028	EA 8' Scorer/Timer Table.....	421.72	28.33
12 66 13 00-0029	EA Portable Tractor For Wall Mounted Units.....	7,710.10	
12 66 13 00-0030	PR Portable Dolly For Portable Units.....	8,648.39	
12 66 13 00-0031	SEA For Each Additional Floor Above Or Below First Floor, Add For Installation.....	2.37	
12 66 13 00-0032	SEA For Each Additional Floor Above Or Below First Floor, Add For Demolition.....	1.18	
12 66 13 00-0033	ROW 48" Aisle, 24" - 26" Row, With Non Slip Tread.....	151.51	32.69
	<i>For Intermediate Steps, Add</i>	15.15	
12 66 13 00-0034	ROW 48" Aisle, 28" - 33" Row, With Non Slip Tread.....	394.92	43.59
	<i>For Intermediate Steps, Add</i>	39.49	
12 66 13 00-0035	ROW Aisle Filler Panel, 24" - 26" Row, With Non Slip Tread.....	117.14	13.63
12 66 13 00-0036	ROW Aisle Filler Panel, 28" - 33" Row, With Non Slip Tread.....	86.48	13.63
12 66 13 00-0037	EA Single Handicap Cutout Seating With Railing.....	529.69	40.87
12 66 13 00-0038	EA Double Handicap Cutout Seating With Railing.....	1,079.44	59.93
12 66 13 00-0039	EA Portable Operator's Handle.....	296.18	

**END OF SECTION 12**





<b>Special Construction</b>	<b>13</b>
<b>Special Facility Components</b>	<b>13 10</b>
<b>Swimming Pools</b>	<b>13 11</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 13 Special Construction

### 13 10 Special Facility Components <sup>(13)</sup>

#### 13 11 Swimming Pools <sup>(13 10)</sup>

##### 13 11 46 Swimming Pool Accessories <sup>(13 11)</sup>

See CSI section 22 51 19 00-0043 for diatomite type filter system.

##### 13 11 46 00-0001 Diving Stand <sup>(13 11 46)</sup>

13 11 46 00-0002	EA	Diving Stand, 3 M Galvanized Steel Swimming Pool Equipment.....	28,709.75	2,724.33
13 11 46 00-0003	EA	Diving Stand, 3 M Stainless Steel Swimming Pool Equipment.....	33,724.19	2,724.33
13 11 46 00-0004	EA	Diving Stand, 1 M Galvanized Steel Swimming Pool Equipment.....	17,092.62	1,089.73
13 11 46 00-0005	EA	Diving Stand, 1 M Stainless Steel Swimming Pool Equipment.....	20,962.69	1,089.73
13 11 46 00-0006	EA	Diving Stand, 1/2 M Galvanized Steel With Stainless Steel Rails.....	6,289.49	505.64

##### 13 11 46 00-0007 Diving Boards <sup>(13 11 46)</sup>

13 11 46 00-0008	EA	14' Long, Aluminum Diving Boards.....	4,516.14	403.20
		<i>For Wheel Adjuster, Add</i>	115.30	
13 11 46 00-0009	EA	14' Long, Fiberglass Diving Boards.....	4,831.76	403.20
		<i>For Wheel Adjuster, Add</i>	115.30	
13 11 46 00-0010	EA	8' Long, Fiberglass Diving Board.....	2,663.65	334.55
		<i>For Wheel Adjuster, Add</i>	107.67	
13 11 46 00-0011	EA	10' Long, Fiberglass Diving Board.....	3,496.09	357.43
		<i>For Wheel Adjuster, Add</i>	110.20	
13 11 46 00-0012	EA	12' Long, Fiberglass Diving Board.....	4,310.38	381.41
		<i>For Wheel Adjuster, Add</i>	112.84	

##### 13 11 46 00-0013 Heavy Duty Ladders <sup>(13 11 46)</sup>

13 11 46 00-0014	EA	Ladders, 2 Tread, Galvanized Steel Swimming Pool Equipment.....	1,544.33	155.83
13 11 46 00-0015	EA	Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment.....	2,408.71	155.83
13 11 46 00-0016	EA	Ladders, 4 Tread, Galvanized Steel Swimming Pool Equipment.....	1,772.36	179.81
13 11 46 00-0017	EA	Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment.....	2,965.58	179.81

##### 13 11 46 00-0018 Lifeguard Chair <sup>(13 11 46)</sup>

13 11 46 00-0019	EA	Lifeguard Chair, Galvanized Swimming Pool Equipment.....	3,983.60	403.20
13 11 46 00-0020	EA	Lifeguard Chair, Stainless Steel Swimming Pool Equipment.....	5,423.23	403.20

##### 13 11 46 00-0021 Underwater Lights <sup>(13 11 46)</sup>

13 11 46 00-0022	EA	Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment.....	433.71	130.63
13 11 46 00-0023	EA	Lights, Underwater, 110 Volt, Swimming Pool Equipment.....	425.79	130.63

##### 13 11 46 00-0024 Pool Covers <sup>(13 11 46)</sup>

Note: Includes cover straps and tension springs.

13 11 46 00-0025	SF	Pool Covers, Reinforced Polyethylene.....	13.30	5.55
13 11 46 00-0026	SF	Pool Cover, Vinyl Water Tube.....	13.09	5.55

##### 13 11 46 00-0027 Slides With Water Tube <sup>(13 11 46)</sup>

13 11 46 00-0028	EA	5' Straight, Fiberglass Pool Slide.....	5,002.30	612.97
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##### 13 11 46 00-0029 Curved Slides With Water Tube <sup>(13 11 46)</sup>

13 11 46 00-0030	EA	8' Curved Fiberglass Pool Slide With Continuous Flowing Water.....	9,662.14	833.97
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#### 13 12 Fountains <sup>(13 10)</sup>

##### 13 12 13 Exterior Fountains <sup>(13 12)</sup>

##### 13 12 13 00-0001 Fountains/Aerators <sup>(13 12 13)</sup>

13 12 13 00-0002	EA	1/2 HP Pump, Single Phase With 100' Cord.....	2,304.17	154.37
13 12 13 00-0003	EA	3/4 HP Pump, Single Phase With 100' Cord.....	2,549.49	157.76
13 12 13 00-0004	EA	1 HP Pump, Single Phase With 100' Cord.....	2,582.67	161.58
13 12 13 00-0005	EA	1-1/2 HP Pump, Single Phase With 100' Cord.....	2,710.66	165.40
13 12 13 00-0006	EA	2 HP Pump, Single Phase With 100' Cord.....	2,839.65	169.64
13 12 13 00-0007	EA	5 HP Pump, Three Phase With 200' Cord.....	6,118.35	173.88
13 12 13 00-0008	EA	7-1/2 HP Pump, Three Phase With 200' Cord.....	7,006.29	178.54
13 12 13 00-0009	EA	10 HP Pump, Three Phase With 200' Cord.....	7,775.84	183.21
13 12 13 00-0010	EA	15 HP Pump, Three Phase With 200' Cord.....	9,848.87	188.30
13 12 13 00-0011	EA	Aerator Nozzle.....	785.29	84.81

<b>13</b>	<b>13 Special Construction</b>
	<b>13 20 Special Purpose Rooms</b>
	<b>13 12 Fountains</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 20	Special Purpose Rooms <sup>(13)</sup>		
13 21	Controlled Environment Rooms <sup>(13 20)</sup>		
13 21 26	<b>Cold Storage Rooms</b> <sup>(13 21)</sup>		
13 21 26 13	<b>Walk-in Coolers</b> <sup>(13 21 26)</sup>		
	See CSI section 11 41 23 00-0000 for walk-in coolers.		
13 30	Special Structures <sup>(13)</sup>		
13 34	Fabricated Engineered Structures <sup>(13 30)</sup>		
13 34 16	<b>Grandstands and Bleachers</b> <sup>(13 34)</sup>		
13 34 16 13	<b>Grandstands</b> <sup>(13 34 16)</sup>		
13 34 16 13-0001	Permanent Grandstands, Wood Seat, Steel Frame <sup>(13 34 16 13)</sup>		
13 34 16 13-0002	3 To 15 Tiers <sup>(13 34 16 13-0001)</sup>		
13 34 16 13-0003	SEA 3-15 Tier Permanent Grandstand Price Per Seat .....	72.95	8.13
13 34 16 13-0004	16 To 30 Tiers <sup>(13 34 16 13-0001)</sup>		
13 34 16 13-0005	SEA 16-30 Tier Permanent Grandstand Price Per Seat .....	109.91	9.15
13 34 19	<b>Metal Building Systems</b> <sup>(13 34)</sup>		
	Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.		
13 34 19 00-0001	<b>Pre-Engineered Metal Buildings</b> <sup>(13 34 19)</sup>		
	Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations, slab and anchor bolts embedded in concrete. See CSI section 03 15 19 00-0001 for cast in concrete anchors, 03 31 13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0109 for metal building options.		
13 34 19 00-0002	<b>Clear Span Rigid Frame Pre-Engineered Metal Buildings</b> <sup>(13 34 19 00-0001)</sup>		
	Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0003	<b>20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings</b> <sup>(13 34 19 00-0002)</sup>		
13 34 19 00-0004	GSF 10' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	31.24	7.25
	For 30' To 49' In Length Only, Add	3.53	
	For 50' To 69' In Length Only, Add	1.93	
	For 70' To 99' In Length Only, Add	0.79	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.94	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.56	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.34	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.05	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.75	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.94	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.50	
	For Single Slope Frame Roof, Add	2.21	
	For Each SF Of 24 Gauge Wall Panel, Add	0.93	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.01	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0005	GSF 12' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	33.30	7.97
	For 30' To 49' In Length Only, Add	3.64	
	For 50' To 69' In Length Only, Add	1.98	
	For 70' To 99' In Length Only, Add	0.82	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.00	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.67	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.50	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.25	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.00	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.33	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.99	
	For Single Slope Frame Roof, Add	2.27	
	For Each SF Of 24 Gauge Wall Panel, Add	0.98	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.10	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0006 GSF 14' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	35.60	8.79
For 30' To 49' In Length Only, Add	3.74	
For 50' To 69' In Length Only, Add	2.04	
For 70' To 99' In Length Only, Add	0.84	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.07	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.78	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.67	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.47	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.27	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.76	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.54	
For Single Slope Frame Roof, Add	2.34	
For Each SF Of 24 Gauge Wall Panel, Add	1.05	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.20	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0007 GSF 16' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	38.20	9.61
For 30' To 49' In Length Only, Add	3.91	
For 50' To 69' In Length Only, Add	2.14	
For 70' To 99' In Length Only, Add	0.88	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.15	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.91	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.87	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.72	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.58	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.26	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.17	
For Single Slope Frame Roof, Add	2.45	
For Each SF Of 24 Gauge Wall Panel, Add	1.12	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.30	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0008 GSF 18' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	40.91	10.43
For 30' To 49' In Length Only, Add	4.11	
For 50' To 69' In Length Only, Add	2.24	
For 70' To 99' In Length Only, Add	0.93	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.23	
For >3 In 12 Slope To 5 In 12 Slope, Add	2.05	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.07	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.99	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.91	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.77	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.82	
For Single Slope Frame Roof, Add	2.57	
For Each SF Of 24 Gauge Wall Panel, Add	1.19	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.41	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0009 GSF 20' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	45.29	11.20
For 30' To 49' In Length Only, Add	4.74	
For 50' To 69' In Length Only, Add	2.59	
For 70' To 99' In Length Only, Add	1.07	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.36	
For >3 In 12 Slope To 5 In 12 Slope, Add	2.26	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.40	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.42	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.43	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	8.61	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	10.87	
For Single Slope Frame Roof, Add	2.96	
For Each SF Of 24 Gauge Wall Panel, Add	1.33	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.50	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0010 GSF 24' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	50.66	12.85
For 30' To 49' In Length Only, Add	5.16	
For 50' To 69' In Length Only, Add	2.82	
For 70' To 99' In Length Only, Add	1.16	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.52	
For >3 In 12 Slope To 5 In 12 Slope, Add	2.53	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.80	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.94	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.08	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	9.63	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	12.16	
For Single Slope Frame Roof, Add	3.22	
For Each SF Of 24 Gauge Wall Panel, Add	1.48	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.70	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

13 34 19 00-0011		>30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings		
	(13 34 19 00-0002)			
13 34 19 00-0012	GSF 10' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....		26.87	5.77
	For 30' To 49' In Length Only, Add	3.30		
	For 50' To 69' In Length Only, Add	1.80		
	For 70' To 99' In Length Only, Add	0.74		
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.81		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.34		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.02		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.62		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.22		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.11		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.45		
	For Single Slope Frame Roof, Add	2.06		
	For Each SF Of 24 Gauge Wall Panel, Add	0.81		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	0.82		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0013	GSF 12' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....		28.53	6.29
	For 30' To 49' In Length Only, Add	3.39		
	For 50' To 69' In Length Only, Add	1.85		
	For 70' To 99' In Length Only, Add	0.76		
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.86		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.43		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.14		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.78		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.42		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.42		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.85		
	For Single Slope Frame Roof, Add	2.12		
	For Each SF Of 24 Gauge Wall Panel, Add	0.85		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	0.89		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0014	GSF 14' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....		29.96	6.81
	For 30' To 49' In Length Only, Add	3.47		
	For 50' To 69' In Length Only, Add	1.89		
	For 70' To 99' In Length Only, Add	0.78		
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.90		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.50		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.25		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.92		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.60		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.69		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.19		
	For Single Slope Frame Roof, Add	2.17		
	For Each SF Of 24 Gauge Wall Panel, Add	0.89		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	0.95		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0015	GSF 16' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....		32.08	7.42
	For 30' To 49' In Length Only, Add	3.65		
	For 50' To 69' In Length Only, Add	1.99		
	For 70' To 99' In Length Only, Add	0.82		
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.96		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.60		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.41		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.13		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.85		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.10		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.70		
	For Single Slope Frame Roof, Add	2.28		
	For Each SF Of 24 Gauge Wall Panel, Add	0.95		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	1.03		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		
13 34 19 00-0016	GSF 18' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....		34.82	7.97
	For 30' To 49' In Length Only, Add	4.00		
	For 50' To 69' In Length Only, Add	2.18		
	For 70' To 99' In Length Only, Add	0.90		
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.04		
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.74		
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.61		
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.39		
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.18		
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.62		
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.36		
	For Single Slope Frame Roof, Add	2.50		
	For Each SF Of 24 Gauge Wall Panel, Add	1.04		
	For Each SF Of Lap Roof, Deduct	-0.76		
	For Each SF Of Hip Roof, Add	1.10		
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97		



<b>Special Construction</b>	<b>13</b>
<b>Special Structures</b>	<b>13 30</b>
<b>Fabricated Engineered Structures</b>	<b>13 34</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0017 GSF 20' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	37.25	8.52
For 30' To 49' In Length Only, Add	4.25	
For 50' To 69' In Length Only, Add	2.32	
For 70' To 99' In Length Only, Add	0.96	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.12	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.86	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.79	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.63	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.47	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.08	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.94	
For Single Slope Frame Roof, Add	2.66	
For Each SF Of 24 Gauge Wall Panel, Add	1.11	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.17	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0018 GSF 24' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	40.62	9.61
For 30' To 49' In Length Only, Add	4.49	
For 50' To 69' In Length Only, Add	2.45	
For 70' To 99' In Length Only, Add	1.01	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.22	
For >3 In 12 Slope To 5 In 12 Slope, Add	2.03	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.05	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.96	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.87	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.72	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.75	
For Single Slope Frame Roof, Add	2.81	
For Each SF Of 24 Gauge Wall Panel, Add	1.20	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.30	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
<b>13 34 19 00-0019 &gt;50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings</b>		
(13 34 19 00-0002)		
13 34 19 00-0020 GSF 10' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	21.14	4.01
For 30' To 49' In Length Only, Add	2.88	
For 50' To 69' In Length Only, Add	1.57	
For 70' To 99' In Length Only, Add	0.65	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.06	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.59	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.06	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.54	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.02	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.07	
For Single Slope Frame Roof, Add	1.80	
For Each SF Of 24 Gauge Wall Panel, Add	0.65	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.60	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0021 GSF 12' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	21.99	4.22
For 30' To 49' In Length Only, Add	2.97	
For 50' To 69' In Length Only, Add	1.62	
For 70' To 99' In Length Only, Add	0.67	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.66	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.10	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.65	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.14	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.64	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.18	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.28	
For Single Slope Frame Roof, Add	1.86	
For Each SF Of 24 Gauge Wall Panel, Add	0.67	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.63	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
13 34 19 00-0022	GSF 14' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	22.81	4.41
	For 30' To 49' In Length Only, Add	3.06	
	For 50' To 69' In Length Only, Add	1.67	
	For 70' To 99' In Length Only, Add	0.69	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.68	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.14	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.71	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.22	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.74	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.33	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.47	
	For Single Slope Frame Roof, Add	1.91	
	For Each SF Of 24 Gauge Wall Panel, Add	0.70	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.65	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0023	GSF 16' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	25.12	5.11
	For 30' To 49' In Length Only, Add	3.24	
	For 50' To 69' In Length Only, Add	1.77	
	For 70' To 99' In Length Only, Add	0.73	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.75	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.26	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.88	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.45	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.01	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.77	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.03	
	For Single Slope Frame Roof, Add	2.02	
	For Each SF Of 24 Gauge Wall Panel, Add	0.76	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.74	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0024	GSF 18' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	26.92	5.69
	For 30' To 49' In Length Only, Add	3.35	
	For 50' To 69' In Length Only, Add	1.83	
	For 70' To 99' In Length Only, Add	0.75	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.81	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.35	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.02	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.62	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.23	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.11	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.46	
	For Single Slope Frame Roof, Add	2.09	
	For Each SF Of 24 Gauge Wall Panel, Add	0.81	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.81	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0025	GSF 20' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	28.60	6.26
	For 30' To 49' In Length Only, Add	3.44	
	For 50' To 69' In Length Only, Add	1.88	
	For 70' To 99' In Length Only, Add	0.77	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.86	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.43	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.15	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.79	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.43	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.43	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.86	
	For Single Slope Frame Roof, Add	2.15	
	For Each SF Of 24 Gauge Wall Panel, Add	0.86	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.88	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0026	GSF 24' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	31.84	7.09
	For 30' To 49' In Length Only, Add	3.77	
	For 50' To 69' In Length Only, Add	2.06	
	For 70' To 99' In Length Only, Add	0.85	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.96	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.59	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.39	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.10	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.82	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.05	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.64	
	For Single Slope Frame Roof, Add	2.35	
	For Each SF Of 24 Gauge Wall Panel, Add	0.95	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.99	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0027 <b>Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings</b> <small>(13 34 19 00-0001)</small> Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0028 <b>20' To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings</b> <small>(13 34 19 00-0027)</small>		
13 34 19 00-0029 GSF 10' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	27.31	5.77
For 30' To 49' In Length Only, Add	3.40	
For 50' To 69' In Length Only, Add	1.86	
For 70' To 99' In Length Only, Add	0.77	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.82	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.37	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.05	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.66	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.28	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.19	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.55	
For Each SF Of 24 Gauge Wall Panel, Add	0.82	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.82	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0030 GSF 12' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	29.29	6.29
For 30' To 49' In Length Only, Add	3.59	
For 50' To 69' In Length Only, Add	1.96	
For 70' To 99' In Length Only, Add	0.81	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.88	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.46	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.20	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.86	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.51	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.57	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.03	
For Each SF Of 24 Gauge Wall Panel, Add	0.88	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.89	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0031 GSF 14' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	31.23	6.81
For 30' To 49' In Length Only, Add	3.77	
For 50' To 69' In Length Only, Add	2.06	
For 70' To 99' In Length Only, Add	0.85	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.94	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.56	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.34	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.04	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.75	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.93	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.50	
For Each SF Of 24 Gauge Wall Panel, Add	0.94	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.95	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0032 GSF 16' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	33.77	7.42
For 30' To 49' In Length Only, Add	4.05	
For 50' To 69' In Length Only, Add	2.21	
For 70' To 99' In Length Only, Add	0.91	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.01	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.69	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.53	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.29	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.05	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.42	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.10	
For Each SF Of 24 Gauge Wall Panel, Add	1.01	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.03	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0033 GSF 18' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	35.99	7.99
For 30' To 49' In Length Only, Add	4.27	
For 50' To 69' In Length Only, Add	2.33	
For 70' To 99' In Length Only, Add	0.96	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.08	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.80	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.70	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.51	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.32	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.84	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.64	
For Each SF Of 24 Gauge Wall Panel, Add	1.08	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.10	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

13 34 19 00-0034	GSF 20' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	38.19	8.57
	For 30' To 49' In Length Only, Add	4.48	
	For 50' To 69' In Length Only, Add	2.44	
	For 70' To 99' In Length Only, Add	1.01	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.15	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.91	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.86	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.72	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.58	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.26	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.17	
	For Each SF Of 24 Gauge Wall Panel, Add	1.14	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.17	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0035	GSF 24' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	42.71	9.78
	For 30' To 49' In Length Only, Add	4.90	
	For 50' To 69' In Length Only, Add	2.68	
	For 70' To 99' In Length Only, Add	1.10	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.28	
	For >3 In 12 Slope To 5 In 12 Slope, Add	2.14	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.20	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.16	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.13	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	8.11	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	10.25	
	For Each SF Of 24 Gauge Wall Panel, Add	1.27	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.33	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0036	>30' To 50' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0027)</small>		
13 34 19 00-0037	GSF 10' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	24.66	5.11
	For 30' To 49' In Length Only, Add	3.12	
	For 50' To 69' In Length Only, Add	1.71	
	For 70' To 99' In Length Only, Add	0.70	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.74	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.23	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.85	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.40	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.96	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.69	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.92	
	For Each SF Of 24 Gauge Wall Panel, Add	0.75	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.74	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0038	GSF 12' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	26.27	5.57
	For 30' To 49' In Length Only, Add	3.25	
	For 50' To 69' In Length Only, Add	1.78	
	For 70' To 99' In Length Only, Add	0.73	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.79	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.31	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.97	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.56	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.15	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.99	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.30	
	For Each SF Of 24 Gauge Wall Panel, Add	0.79	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.80	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0039	GSF 14' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	27.85	6.04
	For 30' To 49' In Length Only, Add	3.38	
	For 50' To 69' In Length Only, Add	1.84	
	For 70' To 99' In Length Only, Add	0.76	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.84	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.39	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.09	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.72	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.34	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.29	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.68	
	For Each SF Of 24 Gauge Wall Panel, Add	0.84	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.86	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0040 GSF 16' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	29.60	6.48
For 30' To 49' In Length Only, Add	3.56	
For 50' To 69' In Length Only, Add	1.94	
For 70' To 99' In Length Only, Add	0.80	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.89	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.48	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.22	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.89	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.55	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.62	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.10	
For Each SF Of 24 Gauge Wall Panel, Add	0.89	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.91	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0041 GSF 18' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	31.36	6.95
For 30' To 49' In Length Only, Add	3.72	
For 50' To 69' In Length Only, Add	2.03	
For 70' To 99' In Length Only, Add	0.84	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.94	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.57	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.35	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.06	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.76	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.96	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.53	
For Each SF Of 24 Gauge Wall Panel, Add	0.94	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.97	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0042 GSF 20' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	33.08	7.42
For 30' To 49' In Length Only, Add	3.89	
For 50' To 69' In Length Only, Add	2.12	
For 70' To 99' In Length Only, Add	0.87	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.99	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.65	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.48	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.23	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.97	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.29	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.94	
For Each SF Of 24 Gauge Wall Panel, Add	0.99	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.03	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0043 GSF 24' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	37.00	8.46
For 30' To 49' In Length Only, Add	4.25	
For 50' To 69' In Length Only, Add	2.32	
For 70' To 99' In Length Only, Add	0.96	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.11	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.85	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.78	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.61	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.44	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.03	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.88	
For Each SF Of 24 Gauge Wall Panel, Add	1.10	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.16	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
<b>13 34 19 00-0044 &gt;50' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)</b>		
13 34 19 00-0045 GSF 10' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	21.56	4.01
For 30' To 49' In Length Only, Add	2.98	
For 50' To 69' In Length Only, Add	1.63	
For 70' To 99' In Length Only, Add	0.67	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.65	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.08	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.62	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.10	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.59	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.10	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.17	
For Each SF Of 24 Gauge Wall Panel, Add	0.66	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.60	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
13 34 19 00-0046	GSF 12' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	22.72	4.29
	For 30' To 49' In Length Only, Add	3.11	
	For 50' To 69' In Length Only, Add	1.70	
	For 70' To 99' In Length Only, Add	0.70	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.68	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.14	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.70	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.22	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.73	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.32	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.45	
	For Each SF Of 24 Gauge Wall Panel, Add	0.70	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.64	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0047	GSF 14' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	23.82	4.56
	For 30' To 49' In Length Only, Add	3.22	
	For 50' To 69' In Length Only, Add	1.76	
	For 70' To 99' In Length Only, Add	0.73	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.71	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.19	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.79	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.32	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.86	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.53	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.72	
	For Each SF Of 24 Gauge Wall Panel, Add	0.73	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.67	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0048	GSF 16' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	25.04	4.84
	For 30' To 49' In Length Only, Add	3.36	
	For 50' To 69' In Length Only, Add	1.84	
	For 70' To 99' In Length Only, Add	0.76	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.75	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.25	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.88	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.44	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.00	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.76	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.01	
	For Each SF Of 24 Gauge Wall Panel, Add	0.77	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.71	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0049	GSF 18' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	26.56	5.16
	For 30' To 49' In Length Only, Add	3.55	
	For 50' To 69' In Length Only, Add	1.94	
	For 70' To 99' In Length Only, Add	0.80	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.80	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.33	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.99	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.59	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.19	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.05	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.37	
	For Each SF Of 24 Gauge Wall Panel, Add	0.81	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.75	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0050	GSF 20' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	27.96	5.44
	For 30' To 49' In Length Only, Add	3.74	
	For 50' To 69' In Length Only, Add	2.04	
	For 70' To 99' In Length Only, Add	0.84	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.84	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.40	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.10	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.73	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.36	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.31	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.71	
	For Each SF Of 24 Gauge Wall Panel, Add	0.85	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.78	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0051	GSF 24' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	31.15	6.18
	For 30' To 49' In Length Only, Add	4.10	
	For 50' To 69' In Length Only, Add	2.24	
	For 70' To 99' In Length Only, Add	0.92	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.93	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.56	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.34	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.04	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.74	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.92	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.48	
	For Each SF Of 24 Gauge Wall Panel, Add	0.95	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.87	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0052	<b>Single Post 2-Span Frame Pre-Engineered Metal Buildings</b> <small>(13 34 19 00-0001)</small> Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0053	<b>Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings</b> <small>(13 34 19 00-0052)</small>		
13 34 19 00-0054	GSF 14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	22.41	4.72
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.67	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.12	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.68	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.18	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.69	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.26	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.38	
	For Each SF Of 24 Gauge Wall Panel, Add	0.68	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.69	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0055	GSF 16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	23.91	5.06
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.72	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.20	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.79	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.33	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.87	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.54	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.74	
	For Each SF Of 24 Gauge Wall Panel, Add	0.72	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.73	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0056	GSF 18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	25.09	5.33
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.75	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.25	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.88	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.45	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.01	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.77	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.02	
	For Each SF Of 24 Gauge Wall Panel, Add	0.76	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.77	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0057	GSF 20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	26.27	5.61
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.79	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.31	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.97	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.56	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.15	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.99	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.30	
	For Each SF Of 24 Gauge Wall Panel, Add	0.79	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.80	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0058	GSF 24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	28.44	6.09
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.85	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.42	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.13	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.77	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.41	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.40	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.83	
	For Each SF Of 24 Gauge Wall Panel, Add	0.86	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.86	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0059	<b>&gt;60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings</b> <small>(13 34 19 00-0052)</small>		

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

13 34 19 00-0060	GSF 14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	20.83	4.17
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.62	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.04	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.56	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.03	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.50	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.96	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.00	
	For Each SF Of 24 Gauge Wall Panel, Add	0.63	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.62	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0061	GSF 16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	22.16	4.45
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.66	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.11	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.66	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.16	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.66	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.21	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.32	
	For Each SF Of 24 Gauge Wall Panel, Add	0.67	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.66	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0062	GSF 18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	23.37	4.72
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.70	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.17	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.75	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.28	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.80	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.44	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.61	
	For Each SF Of 24 Gauge Wall Panel, Add	0.71	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.69	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0063	GSF 20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	24.40	4.94
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.73	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.22	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.83	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.38	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.93	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.64	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.86	
	For Each SF Of 24 Gauge Wall Panel, Add	0.74	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.72	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0064	GSF 24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	26.40	5.39
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.79	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.32	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.98	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.57	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.17	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.02	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.34	
	For Each SF Of 24 Gauge Wall Panel, Add	0.80	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.77	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

**13 34 19 00-0065 >80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings**

13 34 19 00-0066	GSF 14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	19.37	3.68
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.58	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.97	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.45	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.89	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.32	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.68	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.65	
	For Each SF Of 24 Gauge Wall Panel, Add	0.59	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.56	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



<b>Special Construction</b>	<b>13</b>
<b>Special Structures</b>	<b>13 30</b>
<b>Fabricated Engineered Structures</b>	<b>13 34</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0067 GSF 16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	20.31	3.84
For >1 In 12 Slope To 3 In 12 Slope, Add	0.61	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.02	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.52	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.98	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.44	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.86	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.87	
For Each SF Of 24 Gauge Wall Panel, Add	0.62	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.58	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0068 GSF 18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	21.38	4.07
For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.07	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.60	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.08	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.57	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.06	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.13	
For Each SF Of 24 Gauge Wall Panel, Add	0.66	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.61	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0069 GSF 20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	22.30	4.23
For >1 In 12 Slope To 3 In 12 Slope, Add	0.67	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.12	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.67	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.17	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.68	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.24	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.35	
For Each SF Of 24 Gauge Wall Panel, Add	0.68	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.63	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0070 GSF 24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	24.13	4.61
For >1 In 12 Slope To 3 In 12 Slope, Add	0.72	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.21	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.81	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.35	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.90	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.58	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.79	
For Each SF Of 24 Gauge Wall Panel, Add	0.74	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.68	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
<b>13 34 19 00-0071 &gt;100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)</b>		
13 34 19 00-0072 GSF 14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.90	3.52
For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.95	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.42	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.84	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.27	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.59	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.54	
For Each SF Of 24 Gauge Wall Panel, Add	0.58	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.54	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0073 GSF 16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	19.64	3.68
For >1 In 12 Slope To 3 In 12 Slope, Add	0.59	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.98	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.47	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.91	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.36	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.73	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.71	
For Each SF Of 24 Gauge Wall Panel, Add	0.60	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.56	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

13 34 19 00-0074	GSF 18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding .....	20.56	3.84
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.62	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.03	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.54	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.00	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.47	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.91	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.93	
	For Each SF Of 24 Gauge Wall Panel, Add	0.63	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.58	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0075	GSF 20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding .....	21.42	4.01
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.07	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.61	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.09	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.57	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.07	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.14	
	For Each SF Of 24 Gauge Wall Panel, Add	0.66	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.60	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0076	GSF 24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding .....	23.24	4.34
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.70	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.16	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.74	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.27	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.79	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.42	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.58	
	For Each SF Of 24 Gauge Wall Panel, Add	0.71	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.64	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0077	<b>Double Post 3-Span Frame Pre-Engineered Metal Buildings</b> (13 34 19 00-0001)		
	Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0078	<b>Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings</b> (13 34 19 00-0077)		
13 34 19 00-0079	GSF 14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	18.68	3.68
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.40	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.82	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.24	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.55	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.48	
	For Each SF Of 24 Gauge Wall Panel, Add	0.57	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.56	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0080	GSF 16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	19.42	3.84
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.58	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.97	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.46	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.89	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.33	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.69	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.66	
	For Each SF Of 24 Gauge Wall Panel, Add	0.59	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.58	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0081	GSF 18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	19.54	3.74
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.59	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.98	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.47	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.91	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.34	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.71	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.69	
	For Each SF Of 24 Gauge Wall Panel, Add	0.60	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.57	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0082 GSF 20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	20.32	3.90
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.61	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	1.02	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.52	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.98	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.44	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.86	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.88	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.62	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.59	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0083 GSF 24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	22.88	4.17
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.69	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	1.14	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.72	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.23	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.75	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.35	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.49	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.71	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.62	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
<b>13 34 19 00-0084 &gt;120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0077)</b>		
13 34 19 00-0085 GSF 14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	17.69	3.35
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.53	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.88	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.33	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.72	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.12	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.36	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.25	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.54	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.52	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0086 GSF 16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	18.29	3.46
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.55	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.91	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.37	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.78	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.19	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.48	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.39	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.56	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.53	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0087 GSF 18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	18.97	3.60
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.57	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.95	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.42	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.85	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.28	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.60	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.55	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.58	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.55	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0088 GSF 20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....	19.65	3.74
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.59	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.98	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.47	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.92	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.36	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.73	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.72	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.60	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.57	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0089 GSF 24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	22.19	4.01
For >1 In 12 Slope To 3 In 12 Slope, Add	0.67	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.11	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.66	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.16	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.66	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.22	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.33	
For Each SF Of 24 Gauge Wall Panel, Add	0.69	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.60	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
<b>13 34 19 00-0090 Triple Post 4-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)</b>		
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
<b>13 34 19 00-0091 Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building</b>		
(13 34 19 00-0090)		
13 34 19 00-0092 GSF 14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	17.00	3.19
For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.85	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.28	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.66	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.04	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.23	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.08	
For Each SF Of 24 Gauge Wall Panel, Add	0.52	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.50	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0093 GSF 16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	17.71	3.29
For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.89	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.33	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.73	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.13	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.36	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.25	
For Each SF Of 24 Gauge Wall Panel, Add	0.54	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.51	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0094 GSF 18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	18.31	3.41
For >1 In 12 Slope To 3 In 12 Slope, Add	0.55	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.92	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.37	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.79	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.20	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.48	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.39	
For Each SF Of 24 Gauge Wall Panel, Add	0.56	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.53	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0095 GSF 20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	18.87	3.52
For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.94	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.42	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.84	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.26	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.59	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.53	
For Each SF Of 24 Gauge Wall Panel, Add	0.58	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.54	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0096 GSF 24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	21.42	3.84
For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.07	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.61	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.09	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.57	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.07	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.14	
For Each SF Of 24 Gauge Wall Panel, Add	0.66	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.58	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
<b>13 34 19 00-0097 &gt;160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building (13 34 19 00-0090)</b>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0098 GSF 14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	16.77	3.07
For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.84	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.26	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.64	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.01	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.19	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.02	
For Each SF Of 24 Gauge Wall Panel, Add	0.52	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.49	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0099 GSF 16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	17.37	3.19
For >1 In 12 Slope To 3 In 12 Slope, Add	0.52	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.87	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.30	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.69	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.08	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.30	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.17	
For Each SF Of 24 Gauge Wall Panel, Add	0.54	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.50	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0100 GSF 18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	18.02	3.29
For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.90	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.35	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.76	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.16	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.42	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.32	
For Each SF Of 24 Gauge Wall Panel, Add	0.56	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.51	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0101 GSF 20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	18.62	3.41
For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.40	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.82	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.23	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.54	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.47	
For Each SF Of 24 Gauge Wall Panel, Add	0.57	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.53	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0102 GSF 24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	21.04	3.68
For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.05	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.58	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.05	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.52	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.00	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.05	
For Each SF Of 24 Gauge Wall Panel, Add	0.65	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.56	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
<b>13 34 19 00-0103 &gt;180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0090)</b>		
13 34 19 00-0104 GSF 14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	16.58	2.97
For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.83	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.24	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.62	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.99	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.15	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.98	
For Each SF Of 24 Gauge Wall Panel, Add	0.51	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.47	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

**13 Special Construction**

**13 30 Special Structures**

**13 34 Fabricated Engineered Structures**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0105	GSF		16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding ..... 17.06		3.07
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.85	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.28	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.66	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.05	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.24	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.09	
			For Each SF Of 24 Gauge Wall Panel, Add	0.53	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.49	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0106	GSF		18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding ..... 17.73		3.19
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.89	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.33	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.73	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.13	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.37	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.26	
			For Each SF Of 24 Gauge Wall Panel, Add	0.55	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.50	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0107	GSF		20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding ..... 18.37		3.29
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.55	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.92	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.38	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.79	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.20	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.49	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.41	
			For Each SF Of 24 Gauge Wall Panel, Add	0.57	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.51	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0108	GSF		24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding ..... 20.82		3.57
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.62	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.04	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.56	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.03	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.50	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.96	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.00	
			For Each SF Of 24 Gauge Wall Panel, Add	0.65	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.55	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0109			<b>Metal Building Options</b> (13 34 19 00-0001)		
			Note: For use with metal buildings only. See CSI section 08 36 13 00-0013 for sectional doors, 08 51 13 00-0086 for sliding windows.		
13 34 19 00-0110			<b>Metal Framing For Rough Openings</b> (13 34 19 00-0109)		
			Note: Excludes doors See CSI section 08 13 00 00-0000 for metal doors, 08 14 00 00-0000 for wood doors, 08 33 23 00-0000 for overhead coiling doors.		
13 34 19 00-0111	EA		Single Door, Metal Frame Rough Opening ..... 572.85		123.06
13 34 19 00-0112	EA		Double Door, Metal Frame Rough Opening ..... 887.53		159.32
13 34 19 00-0113	EA		10' x 10' Overhead Door, Metal Frame Rough Opening ..... 1,081.29		151.07
13 34 19 00-0114	EA		12' x 12' Overhead Door, Metal Frame Rough Opening ..... 1,172.33		153.82
13 34 19 00-0115	EA		14' x 14' Overhead Door, Metal Frame Rough Opening ..... 1,247.81		159.32
13 34 19 00-0116	EA		Up To 12 SF, Window Opening, Metal Frame Rough Opening ..... 547.71		123.06
13 34 19 00-0117	EA		>12 To 18 SF, Window Opening, Metal Frame Rough Opening ..... 613.93		139.87
13 34 19 00-0118	LF		Additional Girts ..... 12.54		
13 34 19 00-0119			<b>Wall Panel Options For Metal Buildings</b> (13 34 19 00-0109)		
			Note: Upgrade from 26 gauge wall panels.		
13 34 19 00-0120	SF		Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile ..... 14.03		
			Note: 24 gauge exterior and 24 gauge interior panels.		
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
			For Premium Exterior Colors, Add	0.12	
13 34 19 00-0121	SF		Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile ..... 17.07		
			Note: 24 gauge exterior and 24 gauge interior panels.		
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
			For Premium Exterior Colors, Add	0.12	
13 34 19 00-0122	SF		Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile ..... 19.80		
			Note: 24 gauge exterior and 24 gauge interior panels.		
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
			For Premium Exterior Colors, Add	0.12	
13 34 19 00-0123	SF		Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile ..... 22.96		
			Note: 24 gauge exterior and 24 gauge interior panels.		
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
			For Premium Exterior Colors, Add	0.12	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>13 34 19 00-0124</b>				<b>Roofing Options For Metal Buildings</b> <small>(13 34 19 00-0109)</small>		
				Note: Upgrade from 26 gauge standing seam roof panels.		
	13 34 19 00-0125	SF		Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof .....	1.42	
	13 34 19 00-0126	SF		Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42 .....	23.50	
				Note: 24 gauge exterior and 24 gauge interior panels.		
				<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
				<i>For Premium Exterior Colors, Add</i>	0.12	
	13 34 19 00-0127	SF		Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42 .....	24.96	
				Note: 24 gauge exterior and 24 gauge interior panels.		
				<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
				<i>For Premium Exterior Colors, Add</i>	0.12	
	13 34 19 00-0128	SF		Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42 .....	26.13	
				Note: 24 gauge exterior and 24 gauge interior panels.		
				<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
				<i>For Premium Exterior Colors, Add</i>	0.12	
	13 34 19 00-0129	EA		3' x 10' Translucent Fiberglass Panels .....	166.76	47.25
	13 34 19 00-0130	LF		Vented Ridge Vent For Standing Seam Roof .....	20.77	
<b>13 34 19 00-0131</b>				<b>Insulation For Metal Buildings</b> <small>(13 34 19 00-0109)</small>		
	13 34 19 00-0132	SF		1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.26	0.32
	13 34 19 00-0133	SF		2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.41	0.32
	13 34 19 00-0134	SF		3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.60	0.43
	13 34 19 00-0135	SF		3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.86	0.43
	13 34 19 00-0136	SF		6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	2.36	0.43
	13 34 19 00-0137	SF		1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation .....	1.56	0.32
	13 34 19 00-0138	SF		2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation .....	1.71	0.32
	13 34 19 00-0139	SF		3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation .....	1.84	0.43
	13 34 19 00-0140	SF		3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation .....	2.04	0.43
	13 34 19 00-0141	SF		6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation .....	2.45	0.43
	13 34 19 00-0142	SF		1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation .....	1.47	0.32
	13 34 19 00-0143	SF		2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation .....	1.65	0.32
	13 34 19 00-0144	SF		3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation .....	1.96	0.43
	13 34 19 00-0145	SF		3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation .....	2.16	0.43
	13 34 19 00-0146	SF		6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation .....	2.54	0.43
	13 34 19 00-0147	SF		2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation .....	1.36	0.32
	13 34 19 00-0148	SF		3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation .....	1.44	0.32
	13 34 19 00-0149	SF		4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation .....	1.63	0.43
	13 34 19 00-0150	SF		6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation .....	2.04	0.43
	13 34 19 00-0151	SF		2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.37	0.32
	13 34 19 00-0152	SF		3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.47	0.32
	13 34 19 00-0153	SF		4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.66	0.43
	13 34 19 00-0154	SF		6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	2.09	0.43
	13 34 19 00-0155	SF		2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	1.87	0.32
	13 34 19 00-0156	SF		3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	2.00	0.32
	13 34 19 00-0157	SF		4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	2.19	0.43
	13 34 19 00-0158	SF		6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	2.62	0.43
<b>13 34 19 00-0159</b>				<b>Eave And Overhang Options For Metal Buildings</b> <small>(13 34 19 00-0109)</small>		
	13 34 19 00-0160	LF		2' End Wall Roof Overhang And 26 Gauge Soffit .....	42.03	8.57
	13 34 19 00-0161	LF		4' End Wall Roof Overhang And 26 Gauge Soffit .....	63.59	6.16
	13 34 19 00-0162	SF		Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy.....	85.99	13.74
				Note: Up to 7' projection from wall. Includes finished underside and edges.		
				<i>For End Braced (Up To 16' Wall Projection), Add</i>	20.12	
				<i>For Overhead Braced (Up To 10' Wall Projection), Add</i>	11.53	
	13 34 19 00-0163	SF		>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy .....	71.84	11.53
				Note: Up to 7' projection from wall. Includes finished underside and edges.		
				<i>For End Braced (Up To 16' Wall Projection), Add</i>	16.81	
				<i>For Overhead Braced (Up To 10' Wall Projection), Add</i>	9.62	
	13 34 19 00-0164	SF		>50 SF, Prefinished Aluminum, Wall Hung Canopy.....	54.50	9.88
				Note: Up to 7' projection from wall. Includes finished underside and edges.		
				<i>For End Braced (Up To 16' Wall Projection), Add</i>	12.64	
				<i>For Overhead Braced (Up To 10' Wall Projection), Add</i>	7.19	
	13 34 19 00-0165	SF		Up To 50 SF, Prefinished Aluminum, Free Standing Canopy.....	105.02	20.88
				Note: Includes finished underside and edges.		
	13 34 19 00-0166	SF		>50 SF, Prefinished Aluminum, Free Standing Canopy.....	70.55	12.64
				Note: Includes finished underside and edges.		
	13 34 19 00-0167	LF		1' Standard Eave Overhang Without Soffit .....	41.62	
	13 34 19 00-0168	LF		2' Standard Eave Overhang Without Soffit .....	52.09	
	13 34 19 00-0169	LF		3' Standard Eave Overhang Without Soffit .....	62.78	
	13 34 19 00-0170	LF		4' Standard Eave Overhang Without Soffit .....	73.32	
	13 34 19 00-0171	LF		6' Standard Eave Overhang Without Soffit .....	94.17	
	13 34 19 00-0172	LF		1' Standard Eave Overhang And 26 Gauge Soffit .....	55.61	
				<i>For 24 Gauge, Add</i>	6.23	
	13 34 19 00-0173	LF		2' Standard Eave Overhang And 26 Gauge Soffit .....	69.55	
				<i>For 24 Gauge, Add</i>	7.86	
	13 34 19 00-0174	LF		3' Standard Eave Overhang And 26 Gauge Soffit .....	83.65	
				<i>For 24 Gauge, Add</i>	9.42	
	13 34 19 00-0175	LF		4' Standard Eave Overhang And 26 Gauge Soffit .....	97.75	
				<i>For 24 Gauge, Add</i>	10.97	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

13 34 19 00-0176 LF 6' Standard Eave Overhang And 26 Gauge Soffit.....125.02  
For 24 Gauge, Add 14.14

**13 34 19 00-0177 Louvers And Vents For Metal Buildings (13 34 19 00-0109)**

13 34 19 00-0178 EA 4' x 3' Fixed Louver .....656.83 171.40  
13 34 19 00-0179 EA 12" Rotary Vent With Damper .....398.30 109.88  
13 34 19 00-0180 EA 20" Rotary Vent With Damper .....705.70 146.68  
13 34 19 00-0181 EA 24" Rotary Vent With Damper .....937.22 164.81  
13 34 19 00-0182 EA Gravity Ridge Ventilator With Birdscreen, 9" Throat x 10' .....1,071.92 219.74  
13 34 19 00-0183 EA Gravity Ridge Ventilator With Birdscreen, 12" Throat x 10' .....1,143.90 219.74  
13 34 19 00-0184 EA Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Birdscreen .....1,332.30 219.74  
13 34 19 00-0185 EA Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Birdscreen .....1,456.30 219.74  
13 34 19 00-0186 EA Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Birdscreen .....1,592.70 219.74  
13 34 19 00-0187 EA Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Birdscreen .....1,729.10 219.74  
13 34 19 00-0188 EA Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Birdscreen .....2,272.96 274.69  
13 34 19 00-0189 EA Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Birdscreen .....2,496.16 274.69

**13 34 19 00-0190 Gutters And Downspouts For Metal Buildings (13 34 19 00-0109)**

13 34 19 00-0191 LF Pre-Engineered Standard Type Gutter, Painted .....12.03 2.75  
For Galvanized Instead Of Painted, Deduct -1.64  
13 34 19 00-0192 LF Pre-Engineered Standard Type Downspout, Painted .....10.30 3.84  
For Galvanized Instead Of Painted, Deduct -0.65

**13 34 23 Fabricated Structures (13 34)****13 34 23 13 Portable and Mobile Buildings (13 34 23)****13 34 23 13-0001 Prefabricated Signal, Communication Or Electrical Building (13 34 23 13)**

Note: Complete, includes door, roof, lights and wiring, insulation, painted.

13 34 23 13-0002 SF 15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building .....553.35  
13 34 23 13-0003 SF 30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building .....474.62  
13 34 23 13-0004 SF 50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building .....379.88  
13 34 23 13-0005 SF 80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building .....300.58  
13 34 23 13-0006 SF 100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building .....268.67

**13 34 23 13-0007 Temporary Trailers 1 To 6 Years Life (13 34 23 13)**

Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.

13 34 23 13-0008 SF Single Trailer Up To 14' x 73' .....62.76  
For Each Delivery And Set-Up (Block And Level), Add 1,317.15  
For Each Knock-Down And Pick-Up, Add 1,037.15  
For Each Anchoring Into Asphalt Or Concrete, Add 110.00  
13 34 23 13-0009 SF Modular Trailers, Connected.....87.86  
For Each Anchoring Into Asphalt Or Concrete, Add 110.00  
For Each Delivery And Set-Up (Block And Level), Add 2,868.38  
For Each Knock-Down And Pick-Up, Add 2,218.38  
13 34 23 13-0010 EA Add Per Additional Exterior Door With Frame And Hardware .....941.34

**13 34 23 13-0011 Accessories (13 34 23 13)****13 34 23 13-0012 Skirting (13 34 23 13-0011)**

Note: Includes 2" x 4" wood framing 16" on center.

**13 34 23 13-0013 Vinyl Covered, Exterior Only (13 34 23 13-0012)**

13 34 23 13-0014 SF 1'-8" High Vinyl Covered Skirt .....5.00 1.87  
13 34 23 13-0015 SF 3' High Vinyl Covered Skirt .....7.31 3.07

**13 34 23 13-0016 Fiberglass, Exterior Only (13 34 23 13-0012)**

13 34 23 13-0017 SF 1'-8" High Fiberglass Skirt .....8.57 3.52  
13 34 23 13-0018 SF 3' High Fiberglass Skirt .....9.99 4.28

**13 34 23 13-0019 Plywood, Exterior Only (13 34 23 13-0012)**

13 34 23 13-0020 SF 1'-8" High 5/8" Plywood Skirt .....8.58 3.73  
13 34 23 13-0021 SF 3' High 5/8" Plywood Skirt .....10.17 4.50

**13 34 23 13-0022 Steel, Painted, Exterior Only (13 34 23 13-0012)**

13 34 23 13-0023 SF 1'-8" High 26 Gauge Steel Skirt .....9.83 3.52  
13 34 23 13-0024 SF 3' High 26 Gauge Steel Skirt .....11.40 4.28

**13 34 23 13-0025 14" x 14" Access Hatch (13 34 23 13-0011)**

Note: Simple design.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0026 EA 14" x 14" Vinyl Covered Access Hatch .....	247.76	82.42
13 34 23 13-0027 EA 14" x 14" Fiberglass Access Hatch .....	202.33	82.42
13 34 23 13-0028 EA 14" x 14" Plywood Access Hatch .....	245.98	82.42
13 34 23 13-0029 EA 14" x 14" 26 Gauge Steel Access Hatch.....	247.44	82.42
<b>13 34 23 13-0030 Pole Anchor</b> <small>(13 34 23 13-0011)</small>		
Note: Joslyn.		
13 34 23 13-0031 EA Pole Anchor, 4" Helix, 3/4" x 54" Shaft .....	62.00	25.39
13 34 23 13-0032 EA Pole Anchor, 6" Helix, 3/4" x 66" Shaft .....	70.69	25.39
13 34 23 13-0033 EA Pole Anchor, 8" Helix, 1" x 66" Shaft .....	95.10	28.56
13 34 23 13-0034 EA Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft .....	134.93	31.74
13 34 23 13-0035 EA Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft.....	154.32	34.91
13 34 23 13-0036 EA Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft.....	248.90	47.61
<b>13 34 23 13-0037 Aluminum Modular Access Ramp</b> <small>(13 34 23 13-0011)</small>		
Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
13 34 23 13-0038 EA 72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp .....	3,418.88	27.44
13 34 23 13-0039 EA 60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp .....	3,451.81	35.67
13 34 23 13-0040 EA 60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp.....	7,110.49	54.88
13 34 23 13-0041 EA 110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp.....	7,662.87	54.88
13 34 23 13-0042 EA 60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp.....	3,589.90	35.67
13 34 23 13-0043 EA 71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp.....	3,556.97	27.44
13 34 23 13-0044 EA 84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp.....	4,967.41	35.67
13 34 23 13-0045 EA 30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	3,522.58	35.67
13 34 23 13-0046 EA 35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	3,522.58	35.67
13 34 23 13-0047 EA 42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	4,011.09	35.67
13 34 23 13-0048 EA 49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	4,496.16	35.67
<b>13 34 23 13-0049 Relocate Portable And Mobile Trailer</b> <small>(13 34 23 13)</small>		
Note: Excludes anchors, skirting, steps, ramps, utility hook-ups and foundation. See CSI section 01 22 16 00-0002 for reimbursable permit fees, 13 34 23 13-0012 for skirting, 13 34 23 13-0030 for anchors.		
13 34 23 13-0050 EA Prepare, Up To 12' Wide, Single Trailer For Transportation .....	801.36	
Note: Includes securing interior, mounting tires, and mounting trailer hitch		
13 34 23 13-0051 EA Separate, 24' Wide Double Trailer And Prepare For Transportation.....	4,153.29	
Note: Includes separating trailers, securing interior, installing plastic and boards to open side of each (2) trailers, mounting tires, and mounting trailer hitch.		
13 34 23 13-0052 EA Remove Blocking From 8' Wide x Up To 35' Long Trailer.....	352.60	
Note: Per trailer		
13 34 23 13-0053 EA Remove Blocking From 10' Wide x 40' To 50' Long Trailer .....	448.76	
Note: Per trailer		
13 34 23 13-0054 EA Remove Blocking From 12' Wide x 45' To 60' Long Trailer .....	544.92	
Note: Per trailer		
13 34 23 13-0055 EA Remove Blocking From 24' Wide x 45' To 60' Long Trailer .....	1,089.85	
Note: Per trailer		
13 34 23 13-0056 MI Transportation And Delivery Of Trailer .....	15.47	
13 34 23 13-0057 EA Re-connect 24' Wide Double Trailer .....	8,041.17	
Note: Includes removal of temporary plastic and boards, caulking, installation of flooring, ceiling and roofing seams. Excludes blocking and leveling. See CSI section 13 34 23 13-0060 for blocking and leveling of each section.		
13 34 23 13-0058 EA Set-Up (Block And Level) Trailer, 8' Wide x Up To 35' Long.....	440.75	
Note: Per trailer		
13 34 23 13-0059 EA Set-Up (Block And Level) Trailer, 10' Wide x 40' To 50' Long .....	560.95	
Note: Per trailer		
13 34 23 13-0060 EA Set-Up (Block And Level) Trailer, 12' Wide x 45' To 60' Long .....	681.15	
Note: Per trailer		
13 34 23 13-0061 EA Set-Up (Block And Level) Trailer, 24' Wide x 45' To 60' Long .....	1,362.31	
Note: Per trailer		
13 34 23 13-0062 EA Connection Straps To Anchor.....	20.04	
Note: Includes straps per each anchor See CSI section 13 34 23 13-0030 for anchors.		
<b>13 34 23 14 Fabricated Classroom Buildings</b> <small>(13 34 23)</small>		
<b>13 34 23 14-0001 Semi Permanent Modular Transportable Buildings</b> <small>(13 34 23 14)</small>		
13 34 23 14-0002 SF Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom .....	93.51	
For Each Anchoring Into Asphalt Or Concrete, Add		110.00
For Each Delivery And Set-Up (Block And Level), Add		2,868.38
For Each Knock-Down And Pick-Up, Add		2,218.38
13 34 23 14-0003 SF Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room.....	96.27	
For Each Anchoring Into Asphalt Or Concrete, Add		110.00
For Each Delivery And Set-Up (Block And Level), Add		2,868.38
For Each Knock-Down And Pick-Up, Add		2,218.38
<b>13 34 23 16 Fabricated Control Booths</b> <small>(13 34 23)</small>		
<b>13 34 23 16-0001 Fabricated Parking Attendant Booths</b> <small>(13 34 23 16)</small>		
Note: Excludes foundations and slab.		
13 34 23 16-0002 EA Parking Booth For Attendant.....	1,328.98	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**13 34 23 31 Fabricated Pavilion Style Buildings (13 34 23)**

<b>13 34 23 31-0001 Pavilion Style Metal Shelter Structures (13 34 23 31)</b>			
Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.			
13 34 23 31-0002	EA	12' x 12' Pavilion Style Metal Shelter Structure.....	10,807.88 2,106.92
13 34 23 31-0003	EA	16' x 16' Pavilion Style Metal Shelter Structure.....	12,692.98 2,198.56
13 34 23 31-0004	EA	16' x 32' Pavilion Style Metal Shelter Structure.....	16,191.14 2,345.13
13 34 23 31-0005	EA	20' x 20' Pavilion Style Metal Shelter Structure.....	15,207.96 2,271.84
13 34 23 31-0006	EA	20' x 30' Pavilion Style Metal Shelter Structure.....	18,815.45 2,491.69
13 34 23 31-0007	EA	20' x 40' Pavilion Style Metal Shelter Structure.....	22,422.46 2,564.98
13 34 23 31-0008	EA	24' x 24' Pavilion Style Metal Shelter Structure.....	18,595.21 2,345.13
13 34 23 31-0009	EA	24' x 48' Pavilion Style Metal Shelter Structure.....	26,250.12 2,931.41
13 34 23 31-0010	EA	30' x 30' Pavilion Style Metal Shelter Structure.....	25,234.50 2,931.41
13 34 23 31-0011	EA	30' x 60' Pavilion Style Metal Shelter Structure.....	50,209.38 3,664.26
13 34 23 31-0012	EA	40' x 40' Pavilion Style Metal Shelter Structure.....	46,463.53 4,579.50
13 34 23 31-0013	EA	40' x 60' Pavilion Style Metal Shelter Structure.....	67,312.09 5,129.96

**13 40 Integrated Construction (13)****13 46 Lightning Protection Systems (13 40)****13 46 13 Lightning Protection for Structures (13 46)**

<b>13 46 13 00-0001 Lightning Protection (13 46 13)</b>		See CSI section 26 05 26 00-0001 for conductors.	
<b>13 46 13 00-0002 Air Terminals For Lightning Protection (13 46 13 00-0001)</b>			
<b>13 46 13 00-0003 Copper Lightning Protection Air Terminals (13 46 13 00-0002)</b>			
13 46 13 00-0004	EA	3/8" x 10" Copper Lightning Protection Air Terminal.....	52.19 10.43
13 46 13 00-0005	EA	1/2" x 12" Copper Lightning Protection Air Terminal.....	65.16 10.43
13 46 13 00-0006	EA	5/8" x 12" Copper Lightning Protection Air Terminal.....	83.95 10.43
13 46 13 00-0007	EA	1/2" x 24" Copper Lightning Protection Air Terminal.....	93.45 10.43
13 46 13 00-0008	EA	1/2" x 60" Copper Lightning Protection Air Terminal.....	179.55 20.86
<b>13 46 13 00-0009 Aluminum Lightning Protection Air Terminals (13 46 13 00-0002)</b>			
13 46 13 00-0010	EA	3/8" x 10" Aluminum Lightning Protection Air Terminal.....	55.45 10.43
13 46 13 00-0011	EA	1/2" x 12" Aluminum Lightning Protection Air Terminal.....	70.91 10.43
13 46 13 00-0012	EA	5/8" x 12" Aluminum Lightning Protection Air Terminal.....	89.44 10.43
13 46 13 00-0013	EA	1/2" x 24" Aluminum Lightning Protection Air Terminal.....	99.51 10.43
13 46 13 00-0014	EA	1/2" x 60" Aluminum Lightning Protection Air Terminal.....	191.99 20.86
<b>13 46 13 00-0015 Terminal Bases For Lightning Protection (13 46 13 00-0001)</b>			
<b>13 46 13 00-0016 Copper Lightning Protection Terminal Bases (13 46 13 00-0015)</b>			
13 46 13 00-0017	EA	Adhesive Base For Copper Lightning Protection Terminal.....	77.06 31.29
13 46 13 00-0018	EA	Bolted Base For Copper Lightning Protection Terminal.....	104.80 41.73
13 46 13 00-0019	EA	Hinged Base For Copper Lightning Protection Terminal.....	139.74 52.15
13 46 13 00-0020	EA	Side Mounted Base For Copper Lightning Protection Terminal.....	104.80 41.73
13 46 13 00-0021	EA	Offset Point Support For Copper Lightning Protection Terminal.....	110.67 41.73
13 46 13 00-0022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal.....	198.16 83.44
13 46 13 00-0023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal.....	138.20 52.15
13 46 13 00-0024	EA	Intermediate Base For Copper Lightning Protection Terminal.....	77.06 31.29
<b>13 46 13 00-0025 Aluminum Lightning Protection Terminal Bases (13 46 13 00-0015)</b>			
13 46 13 00-0026	EA	Adhesive Base For Aluminum Lightning Protection Terminal.....	76.76 31.29
13 46 13 00-0027	EA	Bolted Base For Aluminum Lightning Protection Terminal.....	106.64 41.73
13 46 13 00-0028	EA	Hinged Base For Aluminum Lightning Protection Terminal.....	142.31 52.15
13 46 13 00-0029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal.....	106.95 41.73
13 46 13 00-0030	EA	Offset Point Support For Aluminum Lightning Protection Terminal.....	111.30 41.73
13 46 13 00-0031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal.....	202.75 83.44
13 46 13 00-0032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal.....	140.23 52.15
13 46 13 00-0033	EA	Intermediate Base For Aluminum Lightning Protection Terminal.....	76.76 31.29
<b>13 46 13 00-0034 Connectors (13 46 13 00-0001)</b>			
<b>13 46 13 00-0035 Copper Cable Connectors (13 46 13 00-0034)</b>			
13 46 13 00-0036	EA	Thru Wall Cable Connector For Copper Lightning Protection System.....	155.28 52.15
13 46 13 00-0037	EA	Thru Roof Adapter Assembly For Copper Lightning Protection System.....	214.02 83.44
13 46 13 00-0038	EA	Beam Connector For Copper Lightning Protection System.....	140.80 52.15
13 46 13 00-0039	EA	Double Bolt Cable Connector For Copper Lightning Protection System.....	32.96 10.43
13 46 13 00-0040	EA	Cable To Bar Connector For Copper Lightning Protection System.....	33.45 10.43
13 46 13 00-0041	EA	Tee Connector For Copper Lightning Protection Terminal.....	102.30 31.29



<b>Special Construction</b>	<b>13</b>
<b>Integrated Construction</b>	<b>13 40</b>
<b>Lightning Protection Systems</b>	<b>13 46</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>13 46 13 00-0042 Aluminum Cable Connectors</b> <small>(13 46 13 00-0034)</small>		
13 46 13 00-0043 EA Thru Wall Cable Connector For Aluminum Lightning Protection System.....	155.68	52.15
13 46 13 00-0044 EA Thru Roof Adapter Assembly For Aluminum Lightning Protection System.....	220.62	83.44
13 46 13 00-0045 EA Beam Connector For Aluminum Lightning Protection System.....	146.36	52.15
13 46 13 00-0046 EA Double Bolt Cable Connector For Aluminum Lightning Protection System.....	34.20	10.43
13 46 13 00-0047 EA Tee Connector For Aluminum Lightning Protection Terminal.....	101.28	31.29
<b>13 46 13 00-0048 Bonding Plates</b> <small>(13 46 13 00-0001)</small>		
<b>13 46 13 00-0049 Copper Bonding Plates</b> <small>(13 46 13 00-0048)</small>		
13 46 13 00-0050 EA 8" Square I Beam Bonding Plate For Copper Lightning Protection System.....	126.82	52.15
13 46 13 00-0051 EA 8" Square Purlin Bonding Plate For Copper Lightning Protection System.....	130.41	52.15
13 46 13 00-0052 EA 16" Square Bonding Plate For Copper Lightning Protection System.....	192.42	83.44
<b>13 46 13 00-0053 Aluminum Bonding Plates</b> <small>(13 46 13 00-0048)</small>		
13 46 13 00-0054 EA 8" Square I Beam Bonding Plate For Aluminum Lightning Protection System.....	126.15	52.15
13 46 13 00-0055 EA 8" Square Purlin Bonding Plate For Aluminum Lightning Protection System.....	131.12	52.15
13 46 13 00-0056 EA 16" Square Bonding Plate For Aluminum Lightning Protection System.....	190.00	83.44
<b>13 46 13 00-0057 Cable Supports</b> <small>(13 46 13 00-0001)</small>		
<b>13 46 13 00-0058 Copper Cable Supports</b> <small>(13 46 13 00-0057)</small>		
13 46 13 00-0059 EA Loop Fastener, Copper Cable Supports For Lightning Protection System.....	24.07	10.43
13 46 13 00-0060 EA Adhesive Cable Holder, Copper Cable Support For Lightning Protection System.....	24.61	10.43
<b>13 46 13 00-0061 Aluminum Cable Supports</b> <small>(13 46 13 00-0057)</small>		
13 46 13 00-0062 EA Loop Fastener, Aluminum Cable Supports For Lightning Protection System.....	23.65	10.43
13 46 13 00-0063 EA Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System.....	23.47	10.43
<b>13 46 13 00-0064 Bonding Straps</b> <small>(13 46 13 00-0001)</small>		
<b>13 46 13 00-0065 Copper Bonding Straps</b> <small>(13 46 13 00-0064)</small>		
13 46 13 00-0066 EA 3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System.....	66.28	31.29
<b>13 46 13 00-0067 Aluminum Bonding Straps</b> <small>(13 46 13 00-0064)</small>		
13 46 13 00-0068 EA 3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System.....	66.19	31.29
<b>13 46 13 00-0069 Accessories For Lightning Protection</b> <small>(13 46 13 00-0001)</small>		
See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
<b>13 46 13 00-0070 Copper Adapters</b> <small>(13 46 13 00-0069)</small>		
13 46 13 00-0071 EA Swivel Adapters For Copper Lightning Protection System.....	23.90	5.21
<b>13 46 13 00-0072 Aluminum Adapters</b> <small>(13 46 13 00-0069)</small>		
13 46 13 00-0073 EA Swivel Adapters For Aluminum Lightning Protection System.....	28.01	5.21
13 46 13 00-0074 EA Floor Ground Receptacle For Aluminum Lightning Protection System.....	156.77	52.15
<b>13 47 Facility Protection</b> <small>(13 40)</small>		
<b>13 47 13 Cathodic Protection</b> <small>(13 47)</small>		
<b>13 47 13 13 Cathodic Protection for Underground and Submerged Piping</b> <small>(13 47 13)</small>		
<b>13 47 13 13-0001 Anodes</b> <small>(13 47 13 13)</small>		
<b>13 47 13 13-0002 Magnesium Type, Conventional</b> <small>(13 47 13 13-0001)</small>		
13 47 13 13-0003 EA 9 LB Magnesium Type Anodes.....	359.62	157.50
13 47 13 13-0004 EA 17 LB Magnesium Type Anodes.....	533.37	227.64
13 47 13 13-0005 EA 32 LB Magnesium Type Anode.....	727.63	292.86
13 47 13 13-0006 EA 48 LB Magnesium Type Anode.....	1,035.85	409.75
<b>13 47 13 13-0007 Graphite Type</b> <small>(13 47 13 13-0001)</small>		
Note: Includes epoxy cap.		
13 47 13 13-0008 EA 3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap.....	518.24	211.54
13 47 13 13-0009 EA 4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap.....	810.57	295.40
13 47 13 13-0010 EA 6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap.....	613.40	184.87
13 47 13 13-0011 EA 6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap.....	943.40	246.80
<b>13 47 13 13-0012 Rectifiers</b> <small>(13 47 13 13)</small>		

**13 Special Construction****13 40 Integrated Construction****13 47 Facility Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>13 47 13 13-0013</b> Air Cooled, Silicon Type <small>(13 47 13 13-0012)</small>		
13 47 13 13-0014 EA Air Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type .....	2,044.49	300.41
13 47 13 13-0015 EA Air Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type .....	2,224.58	300.41
<b>13 47 13 13-0016</b> Oil Immersed, Silicon Type <small>(13 47 13 13-0012)</small>		
13 47 13 13-0017 EA Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type .....	3,137.34	347.35
13 47 13 13-0018 EA Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type .....	3,330.29	347.35
<b>13 47 13 13-0019</b> Anode Backfill <small>(13 47 13 13)</small>		
13 47 13 13-0020 LB Anode Backfill, Coke Breeze .....	1.00	0.38
<b>13 47 13 13-0021</b> Cathodic Protection Cable <small>(13 47 13 13)</small>		
13 47 13 13-0022 MLF Cathodic Protection Cable, OR2 - No 8 .....	1,992.31	739.45
13 47 13 13-0023 MLF Cathodic Protection Cable, OR2 - No 6 .....	2,219.92	739.45
13 47 13 13-0024 MLF Cathodic Protection Cable, OR2 - No 4 .....	2,561.34	739.45
13 47 13 13-0025 MLF Cathodic Protection Cable, OR2 - No 2 .....	3,130.38	739.45
13 47 13 13-0026 MLF Cathodic Protection Cable, OR2 - No 1 .....	3,902.71	814.73
13 47 13 13-0027 MLF Cathodic Protection Cable, OR2-No 1/0 .....	4,329.48	814.73
13 47 13 13-0028 MLF Cathodic Protection Cable, OR2-No 2/0 .....	5,040.77	814.73
13 47 13 13-0029 MLF Cathodic Protection Cable, OR2-No 4/0 .....	6,893.98	888.11
<b>13 47 13 13-0030</b> Cathodic Test Stations <small>(13 47 13 13)</small>		
<b>13 47 13 13-0031</b> Flush Curb Box Type With Lockable Cover And Terminal Box <small>(13 47 13 13-0030)</small>		
13 47 13 13-0032 EA Cathodic Test Station, Flush Curb Type With Lockable Cover .....	268.39	86.58
<b>13 47 13 16</b> Cathodic Protection for Underground Storage Tanks <small>(13 47 13)</small>		
See CSI section 13 47 13 13-0000 for cathodic protection for tanks.		
<b>13 48</b> Sound, Vibration, and Seismic Control <small>(13 40)</small>		
<b>13 48 63</b> Fabricated Seismic Control Assemblies <small>(13 48)</small>		
<b>13 48 63 00-0001</b> Seismic Restraints <small>(13 48 63)</small>		
13 48 63 00-0002 EA 1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole .....	5.00	1.09
Note: Adhesive applied.		
<i>For &gt;500, Deduct</i> -0.81		
13 48 63 00-0003 EA 1" x 1" Seismic Fastener, Gray, Adhesive Applied .....	3.92	0.54
<i>For &gt;500, Deduct</i> -0.81		
13 48 63 00-0004 EA 1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole .....	6.56	1.36
Note: Adhesive applied.		
<i>For &gt;500, Deduct</i> -1.09		
13 48 63 00-0005 EA 1" x 2" Seismic Fastener, Gray, Adhesive Applied .....	5.00	0.68
<i>For &gt;500, Deduct</i> -1.04		
13 48 63 00-0006 EA 2" x 2" Seismic Fastener, Gray, Adhesive Applied .....	6.33	0.79
<i>For &gt;500, Deduct</i> -1.34		
13 48 63 00-0007 EA 2" x 3" Seismic Fastener, Gray, Adhesive Applied .....	10.69	0.96
<i>For &gt;250, Deduct</i> -2.51		
13 48 63 00-0008 LF 3/4" Wide Seismic Strap, Gray .....	4.50	0.82
<i>For &gt;1,000, Deduct</i> -0.82		
13 48 63 00-0009 LF 1" Wide Seismic Strap, Gray .....	6.65	0.82
<i>For &gt;1,000, Deduct</i> -1.43		
13 48 63 00-0010 EA 3/4" Wide x 4" Long Seismic Strap, Gray .....	2.15	0.54
<i>For &gt;250, Deduct</i> -0.30		
13 48 63 00-0011 EA 3/4" Wide x 12" Long Seismic Strap, Gray .....	9.81	1.63
<i>For &gt;250, Deduct</i> -1.87		
13 48 63 00-0012 LF Seismic Chord, Black .....	2.66	0.82
<i>For &gt;2,500, Deduct</i> -0.29		
13 48 63 00-0013 LF SAFELOK Seismic Fastener, Black .....	3.56	0.82
<i>For &gt;500, Deduct</i> -0.55		
<b>13 48 63 00-0014</b> Seismic Bracing Assembly <small>(13 48 63)</small>		
13 48 63 00-0015 EA 4-Bolt Deck Anchor Connection For Seismic Brace .....	159.42	
Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.		
13 48 63 00-0016 EA 2 Cable Seismic Brace With Center Threaded Rod Stiffener .....	149.09	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0017 EA 3 Cable Seismic Brace With Center Threaded Rod Stiffener .....	223.93	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0018 EA 4 Cable Seismic Brace With Center Threaded Rod Stiffener .....	290.54	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0019 EA 2 Channel Seismic Brace With Center Threaded Rod Stiffener .....	305.40	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0020 EA 3 Channel Seismic Brace With Center Threaded Rod Stiffener .....	454.29	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0021 EA 4 Channel Seismic Brace With Center Threaded Rod Stiffener .....	603.17	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		





<b>Special Construction</b>	<b>13</b>	<b>13</b>
<b>Integrated Construction</b>	<b>13 40</b>	
<b>Sound, Vibration, and Seismic Control</b>	<b>13 48</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0022 EA 2 Rod Seismic Brace With Center Threaded Rod Stiffener ..... 178.74 Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	178.74	
13 48 63 00-0023 EA 3 Rod Seismic Brace With Center Threaded Rod Stiffener ..... 264.30 Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	264.30	
13 48 63 00-0024 EA 4 Rod Seismic Brace With Center Threaded Rod Stiffener ..... 349.85 Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	349.85	
<b>13 48 63 00-0025 Seismic Brace Components <sup>(13 48 63)</sup></b>		
13 48 63 00-0026 EA 1/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-1) ..... 30.64 Note: To be used with 7x19 stranded cable.	30.64	
13 48 63 00-0027 EA 3/16" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-2) ..... 42.88 Note: To be used with 7x19 stranded cable.	42.88	
13 48 63 00-0028 EA 1/4" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-3) ..... 57.57 Note: To be used with 7x19 stranded cable.	57.57	
13 48 63 00-0029 EA 3/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-4) ..... 79.58 Note: To be used with 7x19 stranded cable.	79.58	
13 48 63 00-0030 EA Seismic Solid Brace Swivel Anchor (Mason SSB-1) ..... 28.64 Note: To be used with angle or channel.	28.64	
13 48 63 00-0031 EA Seismic Solid Brace Swivel Anchor (Mason SSB-2) ..... 39.41 Note: To be used with angle or channel.	39.41	
13 48 63 00-0032 EA Seismic Solid Brace Swivel Anchor (Mason SSB-3) ..... 52.49 Note: To be used with angle or channel.	52.49	
13 48 63 00-0033 EA Seismic Solid Brace Swivel Anchor (Mason SSB-4) ..... 71.73 Note: To be used with angle or channel.	71.73	
13 48 63 00-0034 EA 1/8" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-1) ..... 35.18 Note: To be used with 7x19 stranded cable.	35.18	
13 48 63 00-0035 EA 3/16" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-2) ..... 47.11 Note: To be used with 7x19 stranded cable.	47.11	
13 48 63 00-0036 EA 1/4" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-3) ..... 66.35 Note: To be used with 7x19 stranded cable.	66.35	
13 48 63 00-0037 EA 1/8" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-1) ..... 63.27 Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	63.27	
13 48 63 00-0038 EA 3/16" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-2) ..... 89.82 Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	89.82	
13 48 63 00-0039 EA 1/4" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-3) ..... 123.29 Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	123.29	
13 48 63 00-0040 EA Seismic Rod Clamp (Mason SRC-1) ..... 26.42 Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	26.42	
13 48 63 00-0041 EA Seismic Rod Clamp (Mason SRC-1 1/2) ..... 32.57 Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	32.57	
13 48 63 00-0042 EA Seismic Rod Clamp (Mason SRC-2) ..... 41.04 Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	41.04	
<b>13 49 Radiation Protection <sup>(13 40)</sup></b>		
<b>13 49 13 Integrated X-Ray Shielding Assemblies <sup>(13 49)</sup></b>		
<b>13 49 13 00-0001 Lead Shielding <sup>(13 49 13)</sup></b> See CSI section 09 29 10 00-0036 for finishing tasks.		
13 49 13 00-0002 SF 1/16" Sheet Lead Shielding ..... 40.98	40.98	6.54
13 49 13 00-0003 SF 1/8" Sheet Lead Shielding ..... 69.99	69.99	7.08
13 49 13 00-0004 SF 1/4" Sheet Lead Shielding ..... 125.05	125.05	7.62
13 49 13 00-0005 SF 1/2" Sheet Lead Shielding ..... 239.13	239.13	9.81
<b>13 49 16 Modular X-Ray Shielding Rooms <sup>(13 49)</sup></b>		
<b>13 49 16 00-0001 X-Ray Barriers, Modular <sup>(13 49 16)</sup></b> Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.		
<b>13 49 16 00-0002 36" Wide x 84" High, 1-Section Barrier, Modular X-Ray Barriers <sup>(13 49 16 00-0001)</sup></b>		
13 49 16 00-0003 EA 0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High ..... 5,708.04	5,708.04	152.14
13 49 16 00-0004 EA 0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High ..... 6,054.43	6,054.43	152.14
13 49 16 00-0005 EA 1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High ..... 6,253.85	6,253.85	182.58
13 49 16 00-0006 EA 1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High ..... 6,669.53	6,669.53	182.58
<b>13 49 16 00-0007 72" Wide x 84" High, 2-Section Barrier, Modular X-Ray Barriers <sup>(13 49 16 00-0001)</sup></b>		
13 49 16 00-0008 EA 0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H ..... 12,194.99	12,194.99	243.44
13 49 16 00-0009 EA 0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H ..... 12,679.94	12,679.94	243.44
13 49 16 00-0010 EA 1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H ..... 13,087.25	13,087.25	273.87
13 49 16 00-0011 EA 1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H ..... 14,117.97	14,117.97	304.29
<b>13 49 16 00-0012 108" Wide x 84" High, 3-Section Barrier, Modular X-Ray Barriers <sup>(13 49 16 00-0001)</sup></b>		
13 49 16 00-0013 EA 0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H ..... 18,482.53	18,482.53	304.29
13 49 16 00-0014 EA 0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H ..... 19,383.16	19,383.16	304.29
13 49 16 00-0015 EA 1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H ..... 19,851.26	19,851.26	365.15
13 49 16 00-0016 EA 1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H ..... 21,297.60	21,297.60	395.58

**13 Special Construction****13 40 Integrated Construction****13 49 Radiation Protection**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

13 49 16 00-0017		<b>X-Ray Barriers, Mobile</b> <small>(13 49 16)</small> Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.		
13 49 16 00-0018		<b>30" Wide x 75" High, Mobile X-Ray Barriers</b> <small>(13 49 16 00-0017)</small> Note: Includes Framework		
13 49 16 00-0019	EA	24" H Upper With 0.5mm LE, 48" H Lower With 0.8mm LE Mobile X-Ray Barriers.....	3,864.82	27.24
13 49 16 00-0020		<b>48" Wide x 75" High, Mobile X-Ray Barriers</b> <small>(13 49 16 00-0017)</small> Note: Includes Framework		
13 49 16 00-0021	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	6,843.81	27.24
13 49 16 00-0022	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	8,229.38	27.24
13 49 16 00-0023		<b>72" Wide x 75" High, Mobile X-Ray Barriers</b> <small>(13 49 16 00-0017)</small> Note: Includes Framework		
13 49 16 00-0024	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	8,090.83	27.24
13 49 16 00-0025	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	10,238.47	27.24
<b>13 49 19</b>		<b>Lead-Lined Materials</b> <small>(13 49)</small>		
<b>13 49 19 16</b>		<b>Lead-Lined Drywall</b> <small>(13 49 19)</small>		
13 49 19 16-0001		<b>Lead Lined Drywall</b> <small>(13 49 19 16)</small> See CSI section 09 29 10 00-0036 for finishing tasks.		
13 49 19 16-0002	SF	1/32" Lead Lined 5/8" Fire Rated Drywall.....	22.74	1.43
13 49 19 16-0003	SF	1/16" Lead Lined 5/8" Fire Rated Drywall.....	39.88	1.71
13 49 19 16-0004	SF	1/8" Lead Lined 5/8" Fire Rated Drywall.....	72.74	2.06

**END OF SECTION 13**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 14 Conveying Equipment

### 14 01 Operation and Maintenance of Conveying Equipment <sup>(14)</sup>

#### 14 01 20 Operation and Maintenance of Elevators <sup>(14 01)</sup>

##### 14 01 20 71 Elevator Rehabilitation <sup>(14 01 20)</sup>

##### 14 01 20 71-0001 Elevator Maintenance <sup>(14 01 20 71)</sup>

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit) .....	374.09	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit) .....	561.14	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit) .....	374.09	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit) .....	374.09	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit) .....	280.57	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only .....	184.13	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only .....	230.17	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors .....	1,337.40	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors .....	1,671.75	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator .....	668.70	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator .....	1,504.58	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts .....	1,003.06	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors .....	2,340.46	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors .....	2,674.81	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator .....	2,006.10	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator .....	2,507.63	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts .....	1,337.40	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors .....	2,069.61	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors .....	2,328.32	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator .....	2,069.61	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator .....	2,069.61	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts .....	2,069.61	

##### 14 01 20 71-0024 Elevator Modernization <sup>(14 01 20 71)</sup>

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) .....	38,617.12	8,283.64
		Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.		
		<i>For Union-Guard Cathodic Protection, Add</i>	<i>8,846.47</i>	
		<i>Note: Includes Pump.</i>		
		<i>For An Additional Stop, Add</i>	<i>7,791.16</i>	
		<i>Note: Includes Removal.</i>		
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) .....	41,677.91	10,009.39
		Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.		
		<i>For Union-Guard Cathodic Protection, Add</i>	<i>8,933.50</i>	
		<i>Note: Includes Pump.</i>		
		<i>For An Additional Stop, Add</i>	<i>8,174.16</i>	
		<i>Note: Includes Removal.</i>		
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) .....	49,542.26	11,390.00
		Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.		
		<i>For Union-Guard Cathodic Protection, Add</i>	<i>10,325.98</i>	
		<i>Note: Includes Pump.</i>		
		<i>For An Additional Stop, Add</i>	<i>10,037.16</i>	
		<i>Note: Includes Removal.</i>		
14 01 20 71-0028	EA	Removal And Replacement Of Hydraulic Control (Maxton) Valve .....	5,185.16	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization .....	70.36	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization .....	775.22	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four .....	4,050.67	690.31
		Note: Includes cover plate.		
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four .....	3,430.32	690.31
		Note: Includes cover plate.		
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish .....	7,485.82	
		Note: Excludes buildback.		
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish .....	8,182.06	
		Note: Excludes buildback.		
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish .....	7,933.15	
		Note: Excludes buildback.		
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish .....	8,629.39	
		Note: Excludes buildback.		
14 01 20 71-0037	SF	Cab Flooring, Epoxy Aggregate .....	85.29	19.72
		Note: SF cost not applicable for partial cab flooring.		
14 01 20 71-0038	SF	Cab Flooring, Aluminum Diamond Plate .....	72.93	19.72
		Note: SF cost not applicable for partial cab flooring.		
14 01 20 71-0039	EA	Solid State Starting (Soft Start) .....	5,904.68	517.73
14 01 20 71-0040	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings) .....	19,087.23	2,890.64
14 01 20 71-0041	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL Manufacturing) .....	2,315.99	690.31
14 01 20 71-0042	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL Manufacturing) .....	434.30	172.58
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL) .....	423.48	345.15
14 01 20 71-0044	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL Manufacturing) .....	587.17	302.01
14 01 20 71-0045	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL Manufacturing) .....	2,789.16	690.31
14 01 20 71-0046	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL Manufacturing) .....	583.83	319.26
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL) .....	423.48	345.15

**14 Conveying Equipment**  
**14 01 Operation and Maintenance of Conveying Equipment**  
**14 01 20 Operation and Maintenance of Elevators**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0048 EA Hoistway Door Interlock Set, Single Speed Center Opening (GAL Manufacturing) .....	719.38	345.15
14 01 20 71-0049 EA Fire Service Key Switch Controller.....	3,654.86	690.31
14 01 20 71-0050 EA ADA Telephone (Rath Microtech) .....	1,152.18	345.15
14 01 20 71-0051 EA Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL Manufacturing) .....	8,267.03	1,380.60
14 01 20 71-0052 EA Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL Manufacturing) .....	8,928.46	1,380.60
14 01 20 71-0053 EA Car Door Safety Edge (Infrared Proximity Type Edge) .....	2,579.69	345.15
14 01 20 71-0054 EA Car Operating Panel (ADA, Fire, Position, Chime) .....	8,736.99	1,380.60
14 01 20 71-0055 EA Car Position LED Indicator And Cover Plate, Stainless Steel .....	1,865.21	345.15
14 01 20 71-0056 EA Car Traveling Lanterns With Audible Signal .....	1,609.86	345.15
14 01 20 71-0057 EA Hoistway Door Jamb Floor Tags (Braille) .....	235.24	172.58
14 01 20 71-0058 EA Lobby Vandal Resistant Call Station.....	1,514.12	345.15
14 01 20 71-0059 LF Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) .....	20.12	
Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0060 for Removal and Replacement of Traveling Cable.		
14 01 20 71-0060 EA Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) .....	5,522.42	2,761.21
Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0059 for Traveling Cable material.		
14 01 20 71-0061 LF Governor Cable.....	1.57	
Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.		
14 01 20 71-0062 EA Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels.....	6,245.38	690.31
14 01 20 71-0063 EA Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels .....	9,030.34	690.31
14 01 20 71-0064 EA Removal And Replacement Of Governor.....	5,238.80	690.31
14 01 20 71-0065 EA Removal And Replacement Of Car Station.....	8,319.25	1,380.60
14 01 20 71-0066 EA Removal And Replacement Of Telephone.....	1,740.40	345.15
14 01 20 71-0067 EA Removal And Replacement Of Hall Lanterns .....	1,299.52	345.15
14 01 20 71-0068 EA Hall Call Buttons, Vandal Resistant .....	1,038.43	345.15
14 01 20 71-0069 EA Hall Traveling Lanterns With Audible Signal .....	1,644.67	345.15
14 01 20 71-0070 EA Add Raised Character (Braille) Signage To Control Panel .....	192.94	172.58
14 01 20 71-0071 EA New Microprocessor Based Controller (Non-Proprietary) .....	44,662.18	5,522.42
14 01 20 71-0072 EA New Steel Shell And Canopy (Excludes Plastic Panels), For 5' x 7' Cab.....	25,689.64	5,522.42
14 01 20 71-0073 EA New Steel Shell, Canopy And Platform (Excludes Plastic Laminate), For 5' x 7' Cab.....	39,915.06	5,522.42
14 01 20 71-0074 EA Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel.....	3,219.71	
14 01 20 71-0075 EA Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel .....	3,411.17	
14 01 20 71-0076 EA Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel .....	3,621.78	
14 01 20 71-0077 EA Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel.....	3,851.54	
14 01 20 71-0078 EA Elevator Pit Ladder, Steel .....	3,028.24	345.15
Note: Labor cost is for bolting to concrete pit wall.		
14 01 20 71-0079 EA New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab.....	49,638.67	5,522.42
14 01 20 71-0080 LF Remove And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5.....	126.69	
Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0081 LF Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7.....	135.06	
Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0082 LF Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4.....	140.80	
Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0083 EA Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP).....	9,082.05	690.31
14 01 20 71-0084 EA 6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) .....	3,637.45	690.31
Note: Cladding typically done by metal company.		
14 01 20 71-0085 EA 8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) .....	3,724.48	690.31
Note: Cladding typically done by metal company.		
14 01 20 71-0086 EA 10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) .....	3,811.51	690.31
Note: Cladding typically done by metal company.		
14 01 20 71-0087 EA 12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) .....	3,915.95	690.31
Note: Cladding typically done by metal company.		
14 01 20 71-0088 EA "Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable .....	8,163.01	690.31
14 01 20 71-0089 EA "Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable .....	8,163.01	690.31
14 01 20 71-0090 EA "Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable.....	11,644.21	690.31
14 01 20 71-0091 EA "Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable .....	13,384.81	690.31
14 01 20 71-0092 EA 60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	3,834.16	175.15
14 01 20 71-0093 EA 100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	4,017.26	210.19
14 01 20 71-0094 EA 200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	5,252.42	245.22
14 01 20 71-0095 EA Aluminum Handrail Spacers With Set Screw .....	208.73	172.58
14 01 20 71-0096 EA Bronze Handrail Spacers With Set Screw.....	213.55	172.58
14 01 20 71-0097 LF 1/2" x 2" Round Stainless Steel Elevator Handrail.....	144.75	40.60
14 01 20 71-0098 LF 3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish .....	139.08	40.60
14 01 20 71-0099 LF 3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish .....	165.60	40.60
14 01 20 71-0100 LF 3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish .....	183.57	40.60
14 01 20 71-0101 LF 3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish .....	210.30	40.60
14 01 20 71-0102 LF 3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish .....	168.95	40.60
14 01 20 71-0103 LF 3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish .....	192.55	40.60
14 01 20 71-0104 LF 3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish .....	300.85	40.60
14 01 20 71-0105 LF 3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish .....	338.31	40.60
14 01 20 71-0106 LF 3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	138.17	40.60
14 01 20 71-0107 LF 3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	139.62	40.60
14 01 20 71-0108 LF 3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	178.83	40.60
14 01 20 71-0109 LF 3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	167.28	40.60
14 01 20 71-0110 LF 3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	179.60	40.60
14 01 20 71-0111 LF 3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	225.57	40.60
14 01 20 71-0112 LF 3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish.....	173.12	40.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0113 LF 3/8" x 2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish.....	177.09	40.60
14 01 20 71-0114 LF 3/8" x 2-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish.....	298.03	40.60
14 01 20 71-0115 LF 3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Mirror Finish.....	194.85	40.60
14 01 20 71-0116 LF 3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish.....	298.80	40.60
14 01 20 71-0117 LF 3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish.....	338.31	40.60

## 14 20 Elevators <sup>(14)</sup>

Note: Excludes final electrical work or shaft walls.

### 14 21 Electric Traction Elevators <sup>(14 20)</sup>

#### 14 21 13 Electric Traction Freight Elevators <sup>(14 21)</sup>

##### 14 21 13 00-0001 Electric Traction Freight Elevators <sup>(14 21 13)</sup>

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002	EA	Electric Traction Freight Elevator, 4,000 LB x 200 FPM .....	414,292.08	
		For Each Opening With Bonderized Steel Door, Add	200.00	
		For Each Opening With Stainless Steel Doors, Add	500.00	
		For Each Opening With Two Speed Doors, Add	500.00	
		For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
		For Stainless Steel Cab Interior, Add	8,000.00	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	1,666.00	
		For Class "C-2" Loading, Add	2,000.00	
		For Class "C-3" Loading, Add	2,736.00	
		For Removal Of Existing Stop, Add	8,448.35	
		For Each Additional Stop, Add	35,125.06	
		For Each Floor < 6 Stops, Deduct	-29,840.62	
		For Each Additional 50 FPM, Add	6,000.00	
		For Removal Of Existing Elevator, Add	42,241.71	
14 21 13 00-0003	EA	Electric Traction Freight Elevator, 5,000 LB x 200 FPM .....	442,372.34	
		For Each Opening With Bonderized Steel Door, Add	200.00	
		For Each Opening With Stainless Steel Doors, Add	500.00	
		For Each Opening With Two Speed Doors, Add	500.00	
		For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
		For Stainless Steel Cab Interior, Add	8,000.00	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	1,666.00	
		For Class "C-2" Loading, Add	2,000.00	
		For Class "C-3" Loading, Add	2,736.00	
		For Removal Of Existing Stop, Add	8,448.35	
		For Each Additional Stop, Add	35,125.06	
		For Each Floor < 6 Stops, Deduct	-29,840.62	
		For Each Additional 50 FPM, Add	6,000.00	
		For Removal Of Existing Elevator, Add	42,241.71	
14 21 13 00-0004	EA	Electric Traction Freight Elevator, 6,000 LB x 200 FPM .....	470,452.59	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	3,332.00	
		For Class "C-2" Loading, Add	4,000.00	
		For Class "C-3" Loading, Add	5,544.00	
		For Custom Plastic Laminated Cab Interiors, Add	5,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00	
		For Stainless Steel Cab Interior, Add	9,000.00	
		For Removal Of Existing Stop, Add	8,448.35	
		For Each Additional Stop, Add	36,120.86	
		For Each Additional 50 FPM, Add	6,000.00	
		For Each Opening With Bonderized Steel Door, Add	300.00	
		For Each Opening With Stainless Steel Doors, Add	600.00	
		For Each Opening With Two Speed Doors, Add	700.00	
		For Removal Of Existing Elevator, Add	42,241.71	
		For Each Floor < 6 Stops, Deduct	-30,840.62	
14 21 13 00-0005	EA	Electric Traction Freight Elevator, 7,000 LB x 200 FPM .....	485,367.13	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	3,332.00	
		For Class "C-2" Loading, Add	4,000.00	
		For Class "C-3" Loading, Add	5,544.00	
		For Custom Plastic Laminated Cab Interiors, Add	5,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00	
		For Stainless Steel Cab Interior, Add	9,000.00	
		For Removal Of Existing Stop, Add	8,448.35	
		For Each Additional Stop, Add	36,120.86	
		For Each Additional 50 FPM, Add	6,000.00	
		For Each Opening With Bonderized Steel Door, Add	300.00	
		For Each Opening With Stainless Steel Doors, Add	600.00	
		For Each Opening With Two Speed Doors, Add	700.00	
		For Removal Of Existing Elevator, Add	42,241.71	
		For Each Floor < 6 Stops, Deduct	-30,840.62	

**14 Conveying Equipment****14 20 Elevators****14 21 Electric Traction Elevators**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

14 21 13 00-0006	EA Electric Traction Freight Elevator, 8,000 LB x 200 FPM .....	500,281.03
	For Elevator With Manual Door, Deduct	-10,000.00
	For Each Additional 50 FPM, Add	10,000.00
	For Class "C-1" Loading, Add	6,666.00
	For Class "C-2" Loading, Add	8,000.00
	For Class "C-3" Loading, Add	10,944.00
	For Removal Of Existing Stop, Add	8,448.35
	For Each Additional Stop, Add	36,120.86
	For Each Opening With Bonderized Steel Door, Add	400.00
	For Each Opening With Stainless Steel Doors, Add	700.00
	For Each Opening With Two Speed Doors, Add	800.00
	For Custom Plastic Laminated Cab Interiors, Add	6,000.00
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,000.00
	For Stainless Steel Cab Interior, Add	10,000.00
	For Removal Of Existing Elevator, Add	42,241.71
	For Each Floor < 6 Stops, Deduct	-30,840.62
14 21 13 00-0007	EA Electric Traction Freight Elevator, 10,000 LB x 200 FPM .....	517,888.30
	For Elevator With Manual Door, Deduct	-10,000.00
	For Each Additional 50 FPM, Add	10,000.00
	For Class "C-1" Loading, Add	6,666.00
	For Class "C-2" Loading, Add	8,000.00
	For Class "C-3" Loading, Add	10,944.00
	For Removal Of Existing Stop, Add	8,448.35
	For Each Additional Stop, Add	36,120.86
	For Each Opening With Bonderized Steel Door, Add	400.00
	For Each Opening With Stainless Steel Doors, Add	700.00
	For Each Opening With Two Speed Doors, Add	800.00
	For Custom Plastic Laminated Cab Interiors, Add	6,000.00
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,000.00
	For Stainless Steel Cab Interior, Add	10,000.00
	For Removal Of Existing Elevator, Add	42,241.71
	For Each Floor < 6 Stops, Deduct	-30,840.62
14 21 13 00-0008	EA Electric Traction Freight Elevator, 12,000 LB x 200 FPM .....	532,247.31
	For Elevator With Manual Door, Deduct	-10,000.00
	For Each Additional 50 FPM, Add	10,000.00
	For Class "C-1" Loading, Add	6,666.00
	For Class "C-2" Loading, Add	8,000.00
	For Class "C-3" Loading, Add	10,944.00
	For Removal Of Existing Stop, Add	8,448.35
	For Each Additional Stop, Add	36,120.86
	For Each Opening With Bonderized Steel Door, Add	400.00
	For Each Opening With Stainless Steel Doors, Add	700.00
	For Each Opening With Two Speed Doors, Add	800.00
	For Custom Plastic Laminated Cab Interiors, Add	6,000.00
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,000.00
	For Stainless Steel Cab Interior, Add	10,000.00
	For Removal Of Existing Elevator, Add	42,241.71
	For Each Floor < 6 Stops, Deduct	-30,840.62

**14 21 23 Electric Traction Passenger Elevators (14 21)****14 21 23 13 Machine Room Electric Traction Passenger Elevators (14 21 23)**

14 21 23 13-0001	Electric Traction Passenger Elevators (14 21 23 13) Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.	
14 21 23 13-0002	EA Electric Traction Passenger Elevator, 2,000 LB x 200 FPM .....	325,349.59
	For Each Opening With Bonderized Steel Door, Add	200.00
	For Each Opening With Stainless Steel Doors, Add	500.00
	For Custom Plastic Laminated Cab Interiors, Add	4,000.00
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00
	For Stainless Steel Cab Interior, Add	8,000.00
	For Each Additional 50 FPM, Add	4,125.00
	For Removal Of Existing Stop, Add	4,225.01
	For Each Additional Stop, Add	35,125.06
	For Each Floor < 6 Stops, Deduct	-20,562.53
	For Removal Of Existing Elevator, Add	31,687.61
14 21 23 13-0003	EA Electric Traction Passenger Elevator, 2,500 LB x 200 FPM .....	333,848.52
	For Each Opening With Bonderized Steel Door, Add	200.00
	For Each Opening With Stainless Steel Doors, Add	500.00
	For Custom Plastic Laminated Cab Interiors, Add	4,000.00
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00
	For Stainless Steel Cab Interior, Add	8,000.00
	For Each Additional 50 FPM, Add	4,125.00
	For Removal Of Existing Stop, Add	4,225.01
	For Each Additional Stop, Add	35,125.06
	For Each Floor < 6 Stops, Deduct	-20,562.53
	For Removal Of Existing Elevator, Add	31,687.61



<b>Conveying Equipment</b>	<b>14</b>
<b>Elevators</b>	<b>14 20</b>
<b>Electric Traction Elevators</b>	<b>14 21</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0004 EA Electric Traction Passenger Elevator, 3,000 LB x 200 FPM .....	341,142.91	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	4,125.00	
For Removal Of Existing Stop, Add	4,225.01	
For Each Additional Stop, Add	35,125.06	
For Each Floor < 6 Stops, Deduct	-20,562.53	
For Removal Of Existing Elevator, Add	31,687.61	
14 21 23 13-0005 EA Electric Traction Passenger Elevator, 3,500 LB x 200 FPM .....	343,088.81	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	4,125.00	
For Removal Of Existing Stop, Add	4,225.01	
For Each Additional Stop, Add	35,125.06	
For Each Floor < 6 Stops, Deduct	-20,562.53	
For Removal Of Existing Elevator, Add	31,687.61	
14 21 23 13-0006 EA Electric Traction Passenger Elevator, 4,000 LB x 200 FPM .....	349,837.94	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	4,125.00	
For Removal Of Existing Stop, Add	4,225.01	
For Each Additional Stop, Add	35,125.06	
For Each Floor < 6 Stops, Deduct	-20,562.53	
For Removal Of Existing Elevator, Add	31,687.61	
14 21 23 13-0007 EA Electric Traction Passenger Elevator, 4,500 LB x 200 FPM .....	356,102.83	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	4,125.00	
For Removal Of Existing Stop, Add	4,225.01	
For Each Additional Stop, Add	35,125.06	
For Each Floor < 6 Stops, Deduct	-20,562.53	
For Removal Of Existing Elevator, Add	31,687.61	
14 21 23 13-0008 EA Electric Traction Passenger Elevator, 5,000 LB x 200 FPM .....	362,571.89	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	4,125.00	
For Removal Of Existing Stop, Add	4,225.01	
For Each Additional Stop, Add	35,125.06	
For Each Floor < 6 Stops, Deduct	-20,562.53	
For Removal Of Existing Elevator, Add	31,687.61	

**14 24 Hydraulic Elevators** (14 20)

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

**14 24 13 Hydraulic Freight Elevators** (14 24)

**14 24 13 00-0001 Hydraulic Freight Elevators** (14 24 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

14 24 13 00-0002 EA Hydraulic Freight Elevator, 3,000 LB x 50 FPM .....	197,521.99	
For Each Additional Stop, Add	20,336.01	
For 2 Stops, Deduct	-15,695.97	
Note: Would be holeless hydraulic at 2 stops.		
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Each Opening With Two Speed Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	2,000.00	
For Elevator With Manual Door, Deduct	-10,000.00	
For Class "C-1" Loading, Add	1,666.00	
For Class "C-2" Loading, Add	2,000.00	
For Class "C-3" Loading, Add	2,736.00	
For Well Hole Drilling (12" Diameter Hole), Add	170.00	
Note: Includes Labor and Equipment.		
For 12" Steel Liner, Add	90.00	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Removal Of Existing Stop, Add	8,448.35	

**14 Conveying Equipment****14 20 Elevators****14 24 Hydraulic Elevators**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0003	EA		Hydraulic Freight Elevator, 3,500 LB x 50 FPM .....	203,862.67	
			For Each Additional Stop, Add	20,336.01	
			For 2 Stops, Deduct	-15,695.97	
			Note: Would be holeless hydraulic at 2 stops.		
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Each Additional 50 FPM, Add	2,000.00	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	1,666.00	
			For Class "C-2" Loading, Add	2,000.00	
			For Class "C-3" Loading, Add	2,736.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,448.35	
14 24 13 00-0004	EA		Hydraulic Freight Elevator, 4,000 LB x 50 FPM .....	210,734.26	
			For Each Additional Stop, Add	20,336.01	
			For 2 Stops, Deduct	-15,695.97	
			Note: Would be holeless hydraulic at 2 stops.		
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Each Additional 50 FPM, Add	2,000.00	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	1,666.00	
			For Class "C-2" Loading, Add	2,000.00	
			For Class "C-3" Loading, Add	2,736.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,448.35	
14 24 13 00-0005	EA		Hydraulic Freight Elevator, 5,000 LB x 50 FPM .....	215,827.06	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Each Additional 50 FPM, Add	2,000.00	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	21,336.01	
			For 2 Stops, Deduct	-16,695.97	
			Note: Would be holeless hydraulic at 2 stops.		
			For Class "C-1" Loading, Add	3,332.00	
			For Class "C-2" Loading, Add	4,000.00	
			For Class "C-3" Loading, Add	5,544.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,448.35	
14 24 13 00-0006	EA		Hydraulic Freight Elevator, 6,000 LB x 50 FPM .....	228,129.84	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	21,336.01	
			For 2 Stops, Deduct	-16,695.97	
			Note: Would be holeless hydraulic at 2 stops.		
			For Each Additional 50 FPM, Add	10,000.00	
			For Class "C-1" Loading, Add	6,666.00	
			For Class "C-2" Loading, Add	8,000.00	
			For Class "C-3" Loading, Add	10,944.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,448.35	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24	13 00-0007	EA	Hydraulic Freight Elevator, 7,000 LB x 50 FPM .....	234,026.55	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional Stop, Add</i>	21,336.01	
			<i>For 2 Stops, Deduct</i>	-16,695.97	
			<i>Note: Would be holeless hydraulic at 2 stops.</i>		
			<i>For Each Additional 50 FPM, Add</i>	10,000.00	
			<i>For Class "C-1" Loading, Add</i>	6,666.00	
			<i>For Class "C-2" Loading, Add</i>	8,000.00	
			<i>For Class "C-3" Loading, Add</i>	10,944.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" Steel Liner, Add</i>	90.00	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	8,448.35	
14 24	13 00-0008	EA	Hydraulic Freight Elevator, 8,000 LB x 50 FPM .....	242,979.03	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	500.00	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional Stop, Add</i>	21,336.01	
			<i>For 2 Stops, Deduct</i>	-16,695.97	
			<i>Note: Would be holeless hydraulic at 2 stops.</i>		
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	7,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	9,000.00	
			<i>For Each Additional 50 FPM, Add</i>	11,000.00	
			<i>For Class "C-1" Loading, Add</i>	8,330.00	
			<i>For Class "C-2" Loading, Add</i>	10,000.00	
			<i>For Class "C-3" Loading, Add</i>	13,680.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" Steel Liner, Add</i>	90.00	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	8,448.35	
14 24	13 00-0009	EA	Hydraulic Freight Elevator, 10,000 LB x 50 FPM .....	249,392.86	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	500.00	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional Stop, Add</i>	21,336.01	
			<i>For 2 Stops, Deduct</i>	-16,695.97	
			<i>Note: Would be holeless hydraulic at 2 stops.</i>		
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	7,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	9,000.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" Steel Liner, Add</i>	90.00	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	8,448.35	
			<i>For Each Additional 50 FPM, Add</i>	12,000.00	
			<i>For Class "C-1" Loading, Add</i>	11,079.00	
			<i>For Class "C-2" Loading, Add</i>	13,300.00	
			<i>For Class "C-3" Loading, Add</i>	18,194.00	
14 24	13 00-0010	EA	Hydraulic Freight Elevator, 12,000 LB x 50 FPM .....	260,472.38	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	500.00	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional Stop, Add</i>	21,336.01	
			<i>For 2 Stops, Deduct</i>	-16,695.97	
			<i>Note: Would be holeless hydraulic at 2 stops.</i>		
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	7,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	9,000.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" Steel Liner, Add</i>	90.00	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	8,448.35	
			<i>For Each Additional 50 FPM, Add</i>	12,000.00	
			<i>For Class "C-1" Loading, Add</i>	11,079.00	
			<i>For Class "C-2" Loading, Add</i>	13,300.00	
			<i>For Class "C-3" Loading, Add</i>	18,194.00	
14 24	13 00-0011		<b>Hydraulic Elevators Piston Drilling</b> <sup>(14 24 13)</sup>		
14 24	13 00-0012	VLF	Up To 6" Diameter Piston Drilling .....	90.38	
			<i>Note: Includes casing.</i>		
14 24	13 00-0013	VLF	8" To 10" Diameter Piston Drilling .....	107.92	
			<i>Note: Includes casing.</i>		

**14 Conveying Equipment****14 20 Elevators****14 24 Hydraulic Elevators**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**14 24 23 Hydraulic Passenger Elevators (14 24)**

14 24 23 00-0001	Hydraulic Passenger Elevators (14 24 23)	
	Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.	
14 24 23 00-0002	EA Hydraulic Passenger Elevator, 2,100 LB x 100 FPM .....	139,106.93
	For Each Additional Stop, Add	20,336.01
	For Each Opening With Bonderized Steel Door, Add	200.00
	For Each Opening With Stainless Steel Doors, Add	500.00
	For Custom Plastic Laminated Cab Interiors, Add	4,000.00
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00
	For Stainless Steel Cab Interior, Add	8,000.00
	For Well Hole Drilling (12" Diameter Hole), Add	170.00
	Note: Includes Labor and Equipment.	
	For 12" Steel Liner, Add	90.00
	Note: Liner for Hydraulic Elevator Well Hole if necessary.	
	For Each Additional 50 FPM, Add	4,125.00
	For Removal Of Existing Elevator, Add	21,120.86
	For Removal Of Existing Stop, Add	4,225.01
	For 2 Stops, Deduct	-10,000.00
	Note: Would be holeless hydraulic at 2 stops.	
14 24 23 00-0003	EA Hydraulic Passenger Elevator, 2,500 LB x 100 FPM .....	141,653.33
	For Each Additional Stop, Add	20,336.01
	For Each Opening With Bonderized Steel Door, Add	200.00
	For Each Opening With Stainless Steel Doors, Add	500.00
	For Custom Plastic Laminated Cab Interiors, Add	4,000.00
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00
	For Stainless Steel Cab Interior, Add	8,000.00
	For Well Hole Drilling (12" Diameter Hole), Add	170.00
	Note: Includes Labor and Equipment.	
	For 12" Steel Liner, Add	90.00
	Note: Liner for Hydraulic Elevator Well Hole if necessary.	
	For Each Additional 50 FPM, Add	4,125.00
	For Removal Of Existing Elevator, Add	21,120.86
	For Removal Of Existing Stop, Add	4,225.01
	For 2 Stops, Deduct	-10,000.00
	Note: Would be holeless hydraulic at 2 stops.	
14 24 23 00-0004	EA Hydraulic Passenger Elevator, 3,000 LB x 100 FPM .....	143,403.98
	For Each Additional Stop, Add	20,336.01
	For Each Opening With Bonderized Steel Door, Add	200.00
	For Each Opening With Stainless Steel Doors, Add	500.00
	For Custom Plastic Laminated Cab Interiors, Add	4,000.00
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00
	For Stainless Steel Cab Interior, Add	8,000.00
	For Well Hole Drilling (12" Diameter Hole), Add	170.00
	Note: Includes Labor and Equipment.	
	For 12" Steel Liner, Add	90.00
	Note: Liner for Hydraulic Elevator Well Hole if necessary.	
	For Each Additional 50 FPM, Add	4,125.00
	For Removal Of Existing Elevator, Add	21,120.86
	For Removal Of Existing Stop, Add	4,225.01
	For 2 Stops, Deduct	-10,000.00
	Note: Would be holeless hydraulic at 2 stops.	
14 24 23 00-0005	EA Hydraulic Passenger Elevator, 3,500 LB x 100 FPM .....	150,136.51
	For Each Additional Stop, Add	20,336.01
	For Each Opening With Bonderized Steel Door, Add	200.00
	For Each Opening With Stainless Steel Doors, Add	500.00
	For Custom Plastic Laminated Cab Interiors, Add	4,000.00
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00
	For Stainless Steel Cab Interior, Add	8,000.00
	For Well Hole Drilling (12" Diameter Hole), Add	170.00
	Note: Includes Labor and Equipment.	
	For 12" Steel Liner, Add	90.00
	Note: Liner for Hydraulic Elevator Well Hole if necessary.	
	For Each Additional 50 FPM, Add	4,125.00
	For Removal Of Existing Elevator, Add	21,120.86
	For Removal Of Existing Stop, Add	4,225.01
	For 2 Stops, Deduct	-10,000.00
	Note: Would be holeless hydraulic at 2 stops.	
14 24 23 00-0006	EA Hydraulic Passenger Elevator, 4,000 LB x 100 FPM .....	152,903.94
	For Each Additional Stop, Add	20,336.01
	For Each Opening With Bonderized Steel Door, Add	200.00
	For Each Opening With Stainless Steel Doors, Add	500.00
	For Custom Plastic Laminated Cab Interiors, Add	4,000.00
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00
	For Stainless Steel Cab Interior, Add	8,000.00
	For Well Hole Drilling (12" Diameter Hole), Add	170.00
	Note: Includes Labor and Equipment.	
	For 12" Steel Liner, Add	90.00
	Note: Liner for Hydraulic Elevator Well Hole if necessary.	
	For Each Additional 50 FPM, Add	4,125.00
	For Removal Of Existing Elevator, Add	21,120.86
	For Removal Of Existing Stop, Add	4,225.01
	For 2 Stops, Deduct	-10,000.00
	Note: Would be holeless hydraulic at 2 stops.	



<b>Conveying Equipment</b>	<b>14</b>	<b>14</b>
Elevators	14 20	
Hydraulic Elevators	14 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0007 EA Hydraulic Passenger Elevator, 4,500 LB x 100 FPM .....	156,628.05	
For Each Additional Stop, Add	20,336.01	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Well Hole Drilling (12" Diameter Hole), Add	170.00	
Note: Includes Labor and Equipment.		
For 12" Steel Liner, Add	90.00	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	4,125.00	
For Removal Of Existing Elevator, Add	21,120.86	
For Removal Of Existing Stop, Add	4,225.01	
For 2 Stops, Deduct	-10,000.00	
Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0008 EA Hydraulic Passenger Elevator, 5,000 LB x 100 FPM .....	160,422.20	
For Each Additional Stop, Add	20,336.01	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Each Opening With Two Speed Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Well Hole Drilling (12" Diameter Hole), Add	170.00	
Note: Includes Labor and Equipment.		
For 12" Steel Liner, Add	90.00	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	4,125.00	
For Removal Of Existing Elevator, Add	21,120.86	
For Removal Of Existing Stop, Add	4,225.01	
For 2 Stops, Deduct	-10,000.00	
Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0009 Twin Jack Holeless Hydraulic Passenger Elevator <sup>(14 24 23)</sup>		
Note: Baked enamel shaft doors and plastic laminated trimmed cab. Excludes flooring, shaft construction/alterations, pit or mechanical room construction. Connect to established utilities.		
14 24 23 00-0010 EA Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 3 Stops, 3 Openings .....	78,791.52	9,597.91
14 24 23 00-0011 EA Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 2 Stops, 2 Openings .....	59,739.77	8,200.43
<b>14 26 Limited-Use/Limited-Application Elevators <sup>(14 20)</sup></b>		
<b>14 26 00 00-0001 Small Elevators (LULA) <sup>(14 26)</sup></b>		
14 26 00 00-0002 EA Small Elevators (LULA), 1,400 LB x 30 FPM .....	86,856.53	
Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.		
For Each Additional Stop, Add	17,336.25	
For Removal Of Existing Elevator, Add	6,336.25	
<b>14 40 Lifts <sup>(14)</sup></b>		
<b>14 42 Wheelchair Lifts <sup>(14 40)</sup></b>		
<b>14 42 13 Inclined Wheelchair Lifts <sup>(14 42)</sup></b>		
<b>14 42 13 00-0001 Chair Lift-Stair Climber <sup>(14 42 13)</sup></b>		
Note: Includes landing, rails, lifting device and gates.		
14 42 13 00-0002 EA Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity .....	7,258.47	1,026.35
Note: Includes top and bottom call button, safety chair, track, and power unit.		
<b>14 42 16 Vertical Wheelchair Lifts <sup>(14 42)</sup></b>		
<b>14 42 16 00-0001 Wheelchair Lift (Shorty) <sup>(14 42 16)</sup></b>		
14 42 16 00-0002 EA 36" Vertical Travel Wheelchair Platform Scissor Lift .....	8,924.04	718.45
Note: 1000 LB capacity. Includes handrails and manual ramp.		
For Accordion Safety Skirt, Add	998.00	
For Removable Handrails, Add	100.00	
For Power Operated Ramp, Add	885.00	
14 42 16 00-0003 EA 42" Vertical Travel Wheelchair Platform Scissor Lift .....	10,976.23	898.05
Note: 1000 LB capacity. Includes handrails and manual ramp.		
For 2,000 LB Capacity, Add	600.00	
For 3,000 LB Capacity, Add	1,000.00	
For 4,000 LB Capacity, Add	1,500.00	
For Accordion Safety Skirt, Add	998.00	
For Removable Handrails, Add	100.00	
For Power Operated Ramp, Add	885.00	

**14 Conveying Equipment****14 40 Lifts****14 42 Wheelchair Lifts**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 42 16 00-0004 EA 70" Vertical Travel Wheelchair Platform Scissor Lift.....	13,087.05	1,167.47
Note: 1000 LB capacity. Includes handrails and manual ramp.		
For 2,000 LB Capacity, Add	600.00	
For 3,000 LB Capacity, Add	1,000.00	
For 4,000 LB Capacity, Add	1,500.00	
For Accordion Safety Skirt, Add	998.00	
For Removable Handrails, Add	100.00	
For Power Operated Ramp, Add	885.00	
14 42 16 00-0005 EA 84" Vertical Travel Wheelchair Platform Scissor Lift.....	14,705.01	1,347.08
Note: 1000 LB capacity. Includes handrails and manual ramp.		
For 2,000 LB Capacity, Add	600.00	
For 3,000 LB Capacity, Add	1,000.00	
For 4,000 LB Capacity, Add	1,500.00	
For Accordion Safety Skirt, Add	998.00	
For Removable Handrails, Add	100.00	
For Power Operated Ramp, Add	885.00	
14 42 16 00-0006 EA 18' Travel Wheelchair Incline Lift.....	15,203.76	641.47
Note: 500 LB capacity, interior installation.		

**14 90 Other Conveying Equipment** <sup>(14)</sup>**14 91 Facility Chutes** <sup>(14 90)</sup>**14 91 82 Trash Chutes** <sup>(14 91)</sup>**14 91 82 00-0001 Trash Chutes** <sup>(14 91 82)</sup>

14 91 82 00-0002 LF 18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	36.44	5.37
For Aluminum, Add	2.62	
For Stainless Steel, Add	9.17	
14 91 82 00-0003 LF 24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	46.60	5.37
For Aluminum, Add	3.54	
For Stainless Steel, Add	12.40	
14 91 82 00-0004 LF 30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	51.36	6.72
For Aluminum, Add	3.93	
For Stainless Steel, Add	13.75	
14 91 82 00-0005 LF 36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	77.80	6.72
For Aluminum, Add	6.47	
For Stainless Steel, Add	22.65	
14 91 82 00-0006 EA Trash Chutes, Hopper.....	730.19	37.59
For Aluminum, Add	65.45	
For Stainless Steel, Add	229.09	
14 91 82 00-0007 EA Trash Chutes, Skylight.....	375.68	73.83
For Aluminum, Add	22.77	
For Stainless Steel, Add	79.68	
14 91 82 00-0008 EA Trash Chutes, Sprinkler Unit At Top.....	269.80	80.54
For Aluminum, Add	9.96	
For Stainless Steel, Add	34.86	
14 91 82 00-0009 EA Trash Chutes, Sprinkler Unit At Intake Hopper.....	73.82	28.19
For Aluminum, Add	1.71	
For Stainless Steel, Add	5.98	
14 91 82 00-0010 EA Refuse Type Bottom Storage Hopper Unit.....	633.95	100.68
For Aluminum, Add	42.12	
For Stainless Steel, Add	147.41	
14 91 82 00-0011 EA Hopper Doors.....	1,378.97	61.50

**END OF SECTION 14**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 21 Fire Suppression

### 21 01 Operation and Maintenance of Fire Suppression <sup>(21)</sup>

#### 21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems <sup>(21 01)</sup>

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

#### 21 01 10 91 Water-Based Fire-Suppression Systems Restoration <sup>(21 01 10)</sup>

21 01 10 91-0001	EA	Relocate Sprinkler Head And Branch Piping <sup>(21 01 10 91)</sup>	
21 01 10 91-0002	EA	Relocate Existing Sprinkler Head And Branch Piping.....	52.30
Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.			

21 01 10 91-0003	EA	Purge And Refill System Sprinkler Piping <sup>(21 01 10 91)</sup>	
Note: Includes shutting off valve, draining pipe and collection of liquid, refilling with liquid and bleeding of air from system.			
21 01 10 91-0004	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades) .....	349.01
21 01 10 91-0005	EA	>100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	498.45
21 01 10 91-0006	EA	>250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	597.24
21 01 10 91-0007	EA	>500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	746.55
21 01 10 91-0008	EA	>1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	970.51
21 01 10 91-0009	LF	>2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	0.48
21 01 10 91-0010	EA	Up To 100', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades) .....	488.61
21 01 10 91-0011	EA	>100 To 250', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	697.83
21 01 10 91-0012	EA	>250 To 500', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	836.13
21 01 10 91-0013	EA	>500 To 1,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,045.16
21 01 10 91-0014	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,358.72
21 01 10 91-0015	LF	>2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades) .....	0.68
21 01 10 91-0016	EA	Up To 100', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	671.83
21 01 10 91-0017	EA	>100 To 250', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	959.52
21 01 10 91-0018	EA	>250 To 500', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,149.69
21 01 10 91-0019	EA	>500 To 1,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,437.10
21 01 10 91-0020	EA	>1,000 To 2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,868.23
21 01 10 91-0021	LF	>2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades) .....	0.94
21 01 10 91-0022	EA	Up To 100', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	906.98
21 01 10 91-0023	EA	>100 To 250', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,295.34
21 01 10 91-0024	EA	>250 To 500', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,375.23
21 01 10 91-0025	EA	>500 To 1,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,719.02
21 01 10 91-0026	EA	>1,000 To 2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	2,234.74
21 01 10 91-0027	LF	>2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1.12

#### 21 01 30 Operation and Maintenance of Fire-Suppression Equipment <sup>(21 01)</sup>

#### 21 01 30 91 Fire-Suppression Equipment Restoration <sup>(21 01 30)</sup>

21 01 30 91-0001	EA	Inspection And Recharge <sup>(21 01 30 91)</sup>	
21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide .....	187.42
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide .....	2.69
21 01 30 91-0004	EA	Inspection, Halon 1301 .....	187.42
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301 .....	64.68
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical .....	113.32
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical .....	60.64
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical .....	113.32
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical .....	5.39
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents .....	34.87
See CSI section 23 05 93 00-0046 for testing existing piping systems.			
21 01 30 91-0011	EA	Disarm/Arm System.....	61.02

#### 21 05 Common Work Results for Fire Suppression <sup>(21)</sup>

#### 21 05 13 Common Motor Requirements for Fire-Suppression Equipment

<sup>(21 05)</sup>  
Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

#### 21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping <sup>(21 05)</sup>

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

#### 21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping <sup>(21 05)</sup>

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

#### 21 05 19 Meters and Gages for Fire-Suppression Systems <sup>(21 05)</sup>

See CSI section 33 19 00 00-0000 for water utility service metering.

**21 Fire Suppression****21 05 Common Work Results for Fire Suppression****21 05 19 Meters and Gages for Fire-Suppression Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 19 00-0001			<b>Fire Sprinkler System Water Pressure Gauge</b> <small>(21 05 19)</small>		
21 05 19 00-0002	EA		2" Diameter Dial, 0-200 PSI, Water Pressure Gauge ..... Note: For fire sprinkler systems	42.68	10.79
21 05 19 00-0003	EA		2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge ..... Note: For fire sprinkler systems	44.41	10.79
21 05 19 00-0004	EA		3" Diameter Dial, 0-300 PSI, Water Pressure Gauge ..... Note: For fire sprinkler systems	52.50	10.79
21 05 19 00-0005	EA		3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge ..... Note: For fire sprinkler systems	55.82	10.79
21 05 19 00-0006	EA		4" Diameter Dial, 0-300 PSI, Water Pressure Gauge ..... Note: For fire sprinkler systems	59.15	10.79
21 05 19 00-0007			<b>Fire Service Meter Cast Iron Housing</b> <small>(21 05 19)</small>		
21 05 19 00-0008	EA		3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing..... <i>For &gt;10 To 25, Deduct</i> -12.30 <i>For &gt;25, Deduct</i> -616.11	4,245.90	165.99
21 05 19 00-0009	EA		4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing..... <i>For &gt;10 To 25, Deduct</i> -432.24 <i>For &gt;25, Deduct</i> -1,261.84	8,644.73	278.27
21 05 19 00-0010	EA		6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing..... <i>For &gt;10 To 25, Deduct</i> -586.59 <i>For &gt;25, Deduct</i> -1,708.23	11,731.77	410.85
21 05 19 00-0011	EA		8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing..... <i>For &gt;10 To 25, Deduct</i> -764.83 <i>For &gt;25, Deduct</i> -2,229.27	15,296.56	524.97
21 05 19 00-0012	EA		10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing..... <i>For &gt;10 To 25, Deduct</i> -1,076.15 <i>For &gt;25, Deduct</i> -3,148.55	21,522.91	639.10
21 05 23			<b>General-Duty Valves for Water-Based Fire-Suppression Piping</b>		
			<small>(21 05)</small> See CSI section 23 05 23 00-0000 for valves.		
21 05 23 00-0001			<b>Globe Valves</b> <small>(21 05 23)</small>		
21 05 23 00-0002			<b>Threaded, 125 LB, Bronze Body, Angle Globe Valves</b> <small>(21 05 23 00-0001)</small> Note: Non-rising stem		
21 05 23 00-0003	EA		1/2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	59.11	10.60
21 05 23 00-0004	EA		3/4" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	75.18	11.13
21 05 23 00-0005	EA		1" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	103.93	11.13
21 05 23 00-0006	EA		1-1/4" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	157.15	14.11
21 05 23 00-0007	EA		1-1/2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	185.05	16.33
21 05 23 00-0008	EA		2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	219.22	19.29
21 05 23 00-0009			<b>Butterfly Valves</b> <small>(21 05 23)</small>		
21 05 23 00-0010			<b>Grooved End Gear Operated Butterfly Valves</b> <small>(21 05 23 00-0009)</small>		
21 05 23 00-0011	EA		2-1/2" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N).....	471.73	17.28
21 05 23 00-0012	EA		3" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N).....	518.15	20.70
21 05 23 00-0013	EA		4" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N).....	543.24	27.24
21 05 23 00-0014	EA		6" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N).....	771.42	44.63
21 05 23 00-0015	EA		8" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N).....	1,110.50	62.78
21 05 23 00-0016			<b>Grooved End, Wafer Type, Ductile Iron, Gear Operated Butterfly Valves</b> <small>(21 05 23 00-0009)</small>		
21 05 23 00-0017	EA		2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	473.89	13.96
21 05 23 00-0018	EA		2-1/2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	482.51	17.28
21 05 23 00-0019	EA		3" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	532.52	20.70
21 05 23 00-0020	EA		4" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	552.23	27.24
21 05 23 00-0021	EA		6" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	769.62	44.63
21 05 23 00-0022	EA		8" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	1,144.64	62.78
21 05 23 00-0023	EA		10" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	1,772.72	84.85
21 05 23 00-0024			<b>Check Valves</b> <small>(21 05 23)</small>		
21 05 23 00-0025			<b>Bronze Body, Threaded, 150 LB, Swing Check Valves</b> <small>(21 05 23 00-0024)</small>		
21 05 23 00-0026	EA		1/2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	212.81	10.60
21 05 23 00-0027	EA		3/4" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	251.11	11.13
21 05 23 00-0028	EA		1" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	343.83	11.13
21 05 23 00-0029	EA		1-1/4" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	458.07	14.11
21 05 23 00-0030	EA		1-1/2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	601.02	16.33
21 05 23 00-0031	EA		2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	878.71	19.29
21 05 23 00-0032			<b>Flanged, Iron Body, Bronze Trim, Swing Check Valves</b> <small>(21 05 23 00-0024)</small>		
21 05 23 00-0033	EA		2-1/2" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	611.39	141.58
21 05 23 00-0034	EA		3" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	696.83	165.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0035 EA 4" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	997.34	278.27
21 05 23 00-0036 EA 6" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	1,454.36	333.08
21 05 23 00-0037 EA 8" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	2,254.92	425.60
21 05 23 00-0038 EA 10" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	3,494.29	518.12
21 05 23 00-0039 EA 12" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	4,832.11	629.14
<b>21 05 23 00-0040 Iron Body Wafer Type Check Valve (21 05 23 00-0024)</b>		
21 05 23 00-0041 EA 2-1/2" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	493.99	141.67
21 05 23 00-0042 EA 3" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	570.42	166.09
21 05 23 00-0043 EA 4" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	721.98	278.44
21 05 23 00-0044 EA 6" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	1,147.09	390.80
21 05 23 00-0045 EA 8" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	1,620.72	449.42
21 05 23 00-0046 EA 10" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	2,315.90	48.85
21 05 23 00-0047 EA 12" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	3,119.12	664.35
<b>21 05 23 00-0048 Grooved End, Check Valves (21 05 23 00-0024)</b>		
21 05 23 00-0049 EA 2-1/2" Check Valve, Grooved (Victaulic FireLock® 717).....	418.77	17.57
21 05 23 00-0050 EA 3" Check Valve, Grooved (Victaulic FireLock® 717).....	423.52	20.80
21 05 23 00-0051 EA 4" Check Valve, Grooved (Victaulic FireLock® 717).....	449.16	27.34
21 05 23 00-0052 EA 6" Check Valve, Grooved (Victaulic FireLock® 717).....	1,337.71	44.63
21 05 23 00-0053 EA 8" Check Valve, Grooved (Victaulic FireLock® 717).....	1,858.59	62.78
<b>21 05 23 00-0054 Gate Valves (21 05 23)</b>		
<b>21 05 23 00-0055 Threaded, Bronze Gate Valves (21 05 23 00-0054)</b>		
Note: Class 175		
21 05 23 00-0056 EA 1" Threaded, Bronze Gate Valve (Crane 459).....	666.02	13.25
21 05 23 00-0057 EA 1-1/4" Threaded, Bronze Gate Valve (Crane 459).....	814.13	14.11
21 05 23 00-0058 EA 1-1/2" Threaded, Bronze Gate Valve (Crane 459).....	968.77	16.33
21 05 23 00-0059 EA 2" Threaded, Bronze Gate Valve (Crane 459).....	1,209.05	19.29
<b>21 05 23 00-0060 Flanged, Cast Iron Body, Bronze Trim Gate Valves (21 05 23 00-0054)</b>		
Note: Class 175		
21 05 23 00-0061 EA 2-1/2" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	808.38	141.58
21 05 23 00-0062 EA 3" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	951.81	165.99
21 05 23 00-0063 EA 4" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	1,347.30	278.27
21 05 23 00-0064 EA 6" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	1,971.53	333.08
21 05 23 00-0065 EA 8" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	2,881.87	425.60
21 05 23 00-0066 EA 10" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	5,166.64	518.12
21 05 23 00-0067 EA 12" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	6,998.25	629.14
<b>21 05 23 00-0068 Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves (21 05 23 00-0054)</b>		
Note: Class 175		
21 05 23 00-0069 EA 2-1/2" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	1,348.91	141.58
21 05 23 00-0070 EA 3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	1,571.63	165.99
21 05 23 00-0071 EA 4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	1,911.25	278.27
21 05 23 00-0072 EA 6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	2,447.28	333.08
21 05 23 00-0073 EA 8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	3,629.17	425.60
21 05 23 00-0074 EA 10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	5,214.40	518.12
21 05 23 00-0075 EA 12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	6,731.03	629.14
<b>21 05 23 00-0076 Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves (21 05 23 00-0054)</b>		
Note: Class 250. Square operating nut actuation type.		
21 05 23 00-0077 EA 3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100).....	1,279.81	165.99
21 05 23 00-0078 EA 4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100).....	1,629.66	278.27
21 05 23 00-0079 EA 6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100).....	2,076.62	333.08
21 05 23 00-0080 EA 8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100).....	3,109.01	425.60
21 05 23 00-0081 EA 10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100).....	4,658.41	518.12
21 05 23 00-0082 EA 12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100).....	5,854.54	629.14
<b>21 05 23 00-0083 Ball Valves (21 05 23)</b>		

**21 Fire Suppression****21 05 Common Work Results for Fire Suppression****21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0084			<b>Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)</b> <sup>(21 05 23 00-0083)</sup>		
21 05 23 00-0085	EA		1" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728).....	430.62	13.25
21 05 23 00-0086	EA		1-1/4" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728).....	469.39	14.11
21 05 23 00-0087	EA		1-1/2" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728).....	555.11	16.33
21 05 23 00-0088	EA		2" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728).....	668.04	19.29
21 05 23 00-0089			<b>TESTanDRAIN® Valve</b> <sup>(21 05 23)</sup>		
21 05 23 00-0090	EA		1/4" 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600).....	216.02	12.44
21 05 23 00-0091	EA		1" Threaded TESTanDRAIN® Valve (AGF 1000).....	243.60	15.03
21 05 23 00-0092	EA		1-1/4" Threaded TESTanDRAIN® Valve (AGF 1000).....	297.56	18.99
21 05 23 00-0093	EA		1-1/2" Threaded TESTanDRAIN® Valve (AGF 1000).....	467.65	21.93
21 05 23 00-0094	EA		2" Threaded TESTanDRAIN® Valve (AGF 1000).....	490.40	25.91
21 05 23 00-0095	EA		1" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	344.89	15.03
21 05 23 00-0096	EA		1-1/4" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	397.87	18.99
21 05 23 00-0097	EA		1-1/2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	571.02	21.93
21 05 23 00-0098	EA		2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	596.51	25.91
21 05 29			<b>Hangers and Supports for Fire-Suppression Piping and Equipment</b> <sup>(21 05)</sup>		
			See CSI section 23 05 29 00-0000 for hangers and supports.		
21 05 48			<b>Vibration and Seismic Controls for Fire-Suppression Piping and Equipment</b> <sup>(21 05)</sup>		
21 05 48 13			<b>Vibration Controls for Fire-Suppression Piping and Equipment</b> <sup>(21 05 48)</sup>		
			See CSI section 23 05 48 13-0000 for vibration and seismic control.		
21 05 53			<b>Identification for Fire-Suppression Piping and Equipment</b> <sup>(21 05)</sup>		
			See CSI section 23 05 53 00-0000 for identification.		
21 07			<b>Fire-Suppression Systems Insulation</b> <sup>(21)</sup>		
21 07 16			<b>Fire-Suppression Equipment Insulation</b> <sup>(21 07)</sup>		
			See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.		
21 07 19			<b>Fire-Suppression Piping Insulation</b> <sup>(21 07)</sup>		
			See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.		
21 10			<b>Water-Based Fire-Suppression Systems</b> <sup>(21)</sup>		
			See CSI section 22 11 16 00-0368 for copper pipe, 22 11 16 00-0912 for CPVC pipe, 23 05 23 00-0064 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.		
21 11			<b>Facility Fire-Suppression Water-Service Piping</b> <sup>(21 10)</sup>		
21 11 19			<b>Fire-Department Connections</b> <sup>(21 11)</sup>		
21 11 19 00-0001			<b>Fire Department Connections</b> <sup>(21 11 19)</sup>		
21 11 19 00-0002	EA		4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass.....	873.61	278.08
			<i>For Polished Chrome, Add</i>	56.54	
21 11 19 00-0003	EA		6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass.....	1,219.21	347.61
			<i>For Polished Chrome, Add</i>	86.55	
21 11 19 00-0004	EA		4" x 3" x 3" Siamese Connection, Polished Brass.....	1,298.42	278.08
			<i>For Polished Chrome, Add</i>	109.62	
21 11 19 00-0005	EA		6" x 3" x 3" Siamese Connection, Polished Brass.....	1,717.71	347.61
			<i>For Polished Chrome, Add</i>	148.86	
21 11 19 00-0006	EA		6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass.....	1,839.57	347.61
			<i>For Polished Chrome, Add</i>	164.09	
21 11 19 00-0007	EA		Sidewalk Type Connection With Plug And Chain, Polished Brass.....	1,569.55	367.89
			<i>For Polished Chrome, Add</i>	126.55	
21 11 19 00-0008	EA		Wall Type Connection With Plug And Chain, Polished Brass.....	1,002.15	278.08
			<i>For Polished Chrome, Add</i>	72.61	
21 11 19 00-0009			<b>Wall Type Indicator Post, Wheel Operated</b> <sup>(21 11 19)</sup>		
			See CSI section 33 14 19 00-0169 for adjustable indicator post accessory for ground valves.		
21 11 19 00-0010	EA		Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773).....	1,429.35	278.27
21 11 19 00-0011			<b>Upright Indicator Post, Wheel Operated</b> <sup>(21 11 19)</sup>		
21 11 19 00-0012	EA		Upright Indicator Post With Flange For Valve (Victaulic 774).....	6,611.58	278.27
21 12			<b>Fire-Suppression Standpipes</b> <sup>(21 10)</sup>		
			See CSI section 23 21 13 23-0000 for black steel pipe.		
21 12 13			<b>Fire-Suppression Hoses and Nozzles</b> <sup>(21 12)</sup>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>21 12 13 00-0001</b> Fire Hose <sup>(21 12 13)</sup>		
<b>21 12 13 00-0002</b> Fire Hose Without Couplings <sup>(21 12 13 00-0001)</sup>		
21 12 13 00-0003 LF 1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings .....	2.26	1.75
21 12 13 00-0004 LF 2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings .....	2.63	1.75
21 12 13 00-0005 LF 2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings .....	2.39	1.75
21 12 13 00-0006 LF 3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings .....	2.79	1.75
21 12 13 00-0007 LF 1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings .....	2.54	1.75
21 12 13 00-0008 LF 2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings .....	3.14	1.75
21 12 13 00-0009 LF 1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings .....	2.62	1.75
21 12 13 00-0010 LF 2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings .....	3.33	1.75
<b>21 12 13 00-0011</b> Fire Hose With Aluminum Couplings <sup>(21 12 13 00-0001)</sup>		
21 12 13 00-0012 LF 1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	5.35	0.96
21 12 13 00-0013 LF 2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	6.67	1.13
21 12 13 00-0014 LF 3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	11.22	1.13
<b>21 12 13 00-0015</b> Fire Hose Accessories <sup>(21 12 13 00-0001)</sup>		
21 12 13 00-0016 EA Hose Coupling With 1-1/2" Pin Lug.....	124.20	28.77
21 12 13 00-0017 EA Hose Coupling With 2-1/2" Pin Lug.....	187.67	32.25
21 12 13 00-0018 EA 1-1/2" x 10" Brass Straight Nozzle.....	76.07	22.67
21 12 13 00-0019 EA 2-1/2" x 12" Brass Straight Nozzle.....	152.89	22.67
21 12 13 00-0020 EA 1-1/2" Brass Fog Type Nozzle.....	121.11	22.67
21 12 13 00-0021 EA 2-1/2" Brass Fog Type Nozzle.....	174.93	22.67
21 12 13 00-0022 EA 1-1/2" Brass 100' Hose Rack.....	260.28	95.89
21 12 13 00-0023 EA 2-1/2" Brass 100' Hose Rack.....	365.69	95.89
<b>21 12 23 Fire-Suppression Hose Valves</b> <sup>(21 12)</sup>		
<b>21 12 23 00-0001</b> Standpipe Valves <sup>(21 12 23)</sup>		
21 12 23 00-0002 EA 2-1/2" Fire Department Valve, Polished Brass With Plug And Chain.....	537.46	183.95
For Polished Chrome, Add	38.83	
21 12 23 00-0003 EA 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	843.89	183.87
For Polished Chrome, Add	84.80	
21 12 23 00-0004 EA 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	1,081.10	198.89
For Polished Chrome, Add	116.95	
21 12 23 00-0005 EA 3" x 3" x 4" Fire Department Valve, Flush, Polished Brass.....	1,285.46	183.87
For Polished Chrome, Add	151.03	
21 12 23 00-0006 EA 3" x 3" x 6" Fire Department Valve, Flush, Polished Brass.....	1,506.68	198.89
For Polished Chrome, Add	180.79	
21 12 23 00-0007 EA 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass.....	796.96	183.87
For Polished Chrome, Add	77.76	
21 12 23 00-0008 EA 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass.....	1,154.70	198.89
For Polished Chrome, Add	127.99	
21 12 23 00-0009 EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	1,466.19	189.82
For Polished Chrome, Add	141.43	
21 12 23 00-0010 EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	2,087.46	210.89
For Polished Chrome, Add	212.15	
21 12 23 00-0011 EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass .....	1,571.79	189.82
For Polished Chrome, Add	154.10	
21 12 23 00-0012 EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass .....	2,246.55	210.89
For Polished Chrome, Add	231.24	
21 12 23 00-0013 EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Square, Flush, Polished Brass.....	5,254.88	253.04
For Polished Chrome, Add	487.14	
<b>21 12 23 00-0014</b> Fire Hose Angle Valves <sup>(21 12 23)</sup>		
21 12 23 00-0015 EA 1-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve .....	201.22	23.54
21 12 23 00-0016 EA 1-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve.....	242.93	23.54
21 12 23 00-0017 EA 1-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve.....	227.77	23.54
21 12 23 00-0018 EA 1-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve .....	269.47	23.54
21 12 23 00-0019 EA 2-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve .....	359.66	39.23
21 12 23 00-0020 EA 2-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve.....	420.32	39.23
21 12 23 00-0021 EA 2-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve.....	425.38	39.23
21 12 23 00-0022 EA 2-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve .....	486.05	39.23
<b>21 12 29 Fire-Suppression Fire Hose Equipment</b> <sup>(21 12)</sup>		
<b>21 12 29 00-0001</b> Standpipe And Fire Hose Equipment <sup>(21 12 29)</sup>		
21 12 29 00-0002 EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass.....	2,016.31	455.99
21 12 29 00-0003 EA Water Motor Gong .....	701.42	132.84
21 12 29 00-0004 EA Fire Riser Flow Switch (National Fire Protection Association 13) .....	586.84	15.45
21 12 29 00-0005 EA Water Flow Supervisory (Tamper) Switch Mounted On Valve.....	217.26	26.44
<b>21 12 29 00-0006</b> Water Flow Detector <sup>(21 12 29)</sup>		

<b>21</b>	<b>21</b>	<b>Fire Suppression</b>
	<b>21 10</b>	<b>Water-Based Fire-Suppression Systems</b>
	<b>21 12</b>	<b>Fire-Suppression Standpipes</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>21 12 29 00-0007</b> <b>Pressure-Type Water Flow Detector</b> <small>(21 12 29 00-0006)</small>		
21 12 29 00-0008    EA    Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe .....	333.86	81.35
21 12 29 00-0009    EA    Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe .....	486.92	107.79
21 12 29 00-0010    EA    Pressure-Type Water Flow Detector For >4" To 8" Pipe.....	781.65	122.02
<b>21 12 29 00-0011</b> <b>Vane-Type Water Flow Detector</b> <small>(21 12 29 00-0006)</small>		
21 12 29 00-0012    EA    Vane-Type Water Flow Detector For Up To 2-1/2" Pipe .....	426.48	81.35
21 12 29 00-0013    EA    Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe .....	600.38	107.79
21 12 29 00-0014    EA    Vane-Type Water Flow Detector For >4" To 8" Pipe.....	961.52	122.02
<b>21 13</b> <b>Fire-Suppression Sprinkler Systems</b> <small>(21 10)</small>		
<b>21 13 13</b> <b>Wet-Pipe Sprinkler Systems</b> <small>(21 13)</small>		
<b>21 13 13 00-0001</b> <b>Complete Wet Pipe Sprinkler Systems</b> <small>(21 13 13)</small>		
<p>Note: Includes complete design per NFPA 13, 13D or 13R and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1396 for individual grooved pipe, 23 21 13 23-1469 for individual grooved pipe fittings.</p>		
<b>21 13 13 00-0002</b> <b>Light Hazard, Complete Wet-Pipe Sprinkler Systems</b> <small>(21 13 13 00-0001)</small>		
21 13 13 00-0003    EA    Exposed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	411.01	
<p>Note: Includes branch pipe and fittings, supports and sprinkler heads.</p>		
<p><i>For Copper Pipe, Add</i> <span style="float: right;">50.47</span></p>		
<p><i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i> <span style="float: right;">-71.02</span></p>		
<p><i>For Up To 5, Add</i> <span style="float: right;">186.76</span></p>		
<p><i>For &gt;5 To 10, Add</i> <span style="float: right;">115.74</span></p>		
<p><i>For &gt;10 To 20, Add</i> <span style="float: right;">74.64</span></p>		
<p><i>For &gt;20 To 40, Add</i> <span style="float: right;">31.73</span></p>		
<p><i>For &gt;100 To 150, Deduct</i> <span style="float: right;">-41.10</span></p>		
<p><i>For &gt;150, Deduct</i> <span style="float: right;">-82.20</span></p>		
21 13 13 00-0004    EA    Concealed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	531.98	
<p>Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.</p>		
<p><i>For Copper Pipe, Add</i> <span style="float: right;">63.33</span></p>		
<p><i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i> <span style="float: right;">-89.93</span></p>		
<p><i>For Up To 5, Add</i> <span style="float: right;">245.72</span></p>		
<p><i>For &gt;5 To 10, Add</i> <span style="float: right;">155.78</span></p>		
<p><i>For &gt;10 To 20, Add</i> <span style="float: right;">102.59</span></p>		
<p><i>For &gt;20 To 40, Add</i> <span style="float: right;">43.06</span></p>		
<p><i>For &gt;100 To 150, Deduct</i> <span style="float: right;">-53.20</span></p>		
<p><i>For &gt;150, Deduct</i> <span style="float: right;">-106.40</span></p>		
<b>21 13 13 00-0005</b> <b>Ordinary Hazard, Complete Wet-Pipe Sprinkler Systems</b> <small>(21 13 13 00-0001)</small>		
21 13 13 00-0006    EA    Exposed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	410.07	
<p>Note: Includes branch pipe and fittings, supports and sprinkler heads.</p>		
<p><i>For Copper Pipe, Add</i> <span style="float: right;">50.47</span></p>		
<p><i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i> <span style="float: right;">-70.97</span></p>		
<p><i>For Up To 5, Add</i> <span style="float: right;">186.12</span></p>		
<p><i>For &gt;5 To 10, Add</i> <span style="float: right;">115.15</span></p>		
<p><i>For &gt;10 To 20, Add</i> <span style="float: right;">74.14</span></p>		
<p><i>For &gt;20 To 40, Add</i> <span style="float: right;">31.55</span></p>		
<p><i>For &gt;100 To 150, Deduct</i> <span style="float: right;">-41.01</span></p>		
<p><i>For &gt;150, Deduct</i> <span style="float: right;">-82.01</span></p>		
21 13 13 00-0007    EA    Concealed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	527.77	
<p>Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.</p>		
<p><i>For Copper Pipe, Add</i> <span style="float: right;">62.92</span></p>		
<p><i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i> <span style="float: right;">-89.31</span></p>		
<p><i>For Up To 5, Add</i> <span style="float: right;">243.60</span></p>		
<p><i>For &gt;5 To 10, Add</i> <span style="float: right;">154.29</span></p>		
<p><i>For &gt;10 To 20, Add</i> <span style="float: right;">101.51</span></p>		
<p><i>For &gt;20 To 40, Add</i> <span style="float: right;">42.63</span></p>		
<p><i>For &gt;100 To 150, Deduct</i> <span style="float: right;">-52.78</span></p>		
<p><i>For &gt;150, Deduct</i> <span style="float: right;">-105.55</span></p>		
<b>21 13 13 00-0008</b> <b>Extra Hazard, Complete Wet-Pipe Sprinkler Systems</b> <small>(21 13 13 00-0001)</small>		
21 13 13 00-0009    EA    Exposed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	378.98	
<p>Note: Includes branch pipe and fittings, supports and sprinkler heads.</p>		
<p><i>For Copper Pipe, Add</i> <span style="float: right;">46.56</span></p>		
<p><i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i> <span style="float: right;">-65.51</span></p>		
<p><i>For Up To 5, Add</i> <span style="float: right;">172.17</span></p>		
<p><i>For &gt;5 To 10, Add</i> <span style="float: right;">106.66</span></p>		
<p><i>For &gt;10 To 20, Add</i> <span style="float: right;">68.76</span></p>		
<p><i>For &gt;20 To 40, Add</i> <span style="float: right;">29.24</span></p>		
<p><i>For &gt;100 To 150, Deduct</i> <span style="float: right;">-37.90</span></p>		
<p><i>For &gt;150, Deduct</i> <span style="float: right;">-75.80</span></p>		



<b>Fire Suppression</b>	<b>21</b>	<b>12</b>
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0010 EA Concealed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....488.76 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. <i>For Copper Pipe, Add</i> 58.18 <i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i> -82.62 <i>For Up To 5, Add</i> 225.77 <i>For &gt;5 To 10, Add</i> 143.15 <i>For &gt;10 To 20, Add</i> 94.28 <i>For &gt;20 To 40, Add</i> 39.57 <i>For &gt;100 To 150, Deduct</i> -48.88 <i>For &gt;150, Deduct</i> -97.75		
<b>21 13 13 00-0011 Wet Pipe Sprinkler Components</b> (21 13 13) Note: Excludes hydraulic calculations.		
<b>21 13 13 00-0012 Wet Pipe Alarm Check Valves</b> (21 13 13 00-0011) Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.		
21 13 13 00-0013 EA 2-1/2" Wet Pipe Alarm Check Valve .....1,556.12 111.85		
21 13 13 00-0014 EA 3" Wet Pipe Alarm Check Valve.....1,588.66 128.12		
21 13 13 00-0015 EA 4" Wet Pipe Alarm Check Valve.....1,767.63 217.62		
21 13 13 00-0016 EA 6" Wet Pipe Alarm Check Valve.....1,697.76 274.56		
21 13 13 00-0017 EA 8" Wet Pipe Alarm Check Valve.....3,051.84 347.77		
<b>21 13 13 00-0018 Wet Pipe Valve Trim</b> (21 13 13 00-0011) Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.		
21 13 13 00-0019 EA 2-1/2" Wet Pipe Valve Trim.....1,347.29 236.73		
21 13 13 00-0020 EA 3" Wet Pipe Valve Trim.....1,425.10 236.73		
21 13 13 00-0021 EA 4" Wet Pipe Valve Trim.....1,712.05 324.58		
21 13 13 00-0022 EA 6" Wet Pipe Valve Trim.....2,001.36 451.49		
21 13 13 00-0023 EA 8" Wet Pipe Valve Trim.....2,180.34 558.87		
<b>21 13 13 00-0024 Wet Pipe Sprinkler Heads</b> (21 13 13 00-0011)		
<b>21 13 13 00-0025 Upright Wet Pipe Sprinkler Heads</b> (21 13 13 00-0024)		
21 13 13 00-0026 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head ..... 64.31 9.80 <i>For &gt;25 To 50, Deduct</i> -1.96 <i>For &gt;50 To 100, Deduct</i> -5.18 <i>For &gt;100 To 500, Deduct</i> -9.02 <i>For &gt;500 To 1,000, Deduct</i> -18.24 <i>For &gt;1,000, Deduct</i> -26.09		
21 13 13 00-0027 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head..... 66.86 9.80 <i>For &gt;25 To 50, Deduct</i> -1.96 <i>For &gt;50 To 100, Deduct</i> -5.30 <i>For &gt;100 To 500, Deduct</i> -9.34 <i>For &gt;500 To 1,000, Deduct</i> -18.70 <i>For &gt;1,000, Deduct</i> -26.55		
21 13 13 00-0028 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head..... 68.49 9.80 <i>For &gt;25 To 50, Deduct</i> -1.96 <i>For &gt;50 To 100, Deduct</i> -5.39 <i>For &gt;100 To 500, Deduct</i> -9.54 <i>For &gt;500 To 1,000, Deduct</i> -19.00 <i>For &gt;1,000, Deduct</i> -26.84		
21 13 13 00-0029 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head ..... 65.59 9.80 <i>For &gt;25 To 50, Deduct</i> -1.96 <i>For &gt;50 To 100, Deduct</i> -5.24 <i>For &gt;100 To 500, Deduct</i> -9.18 <i>For &gt;500 To 1,000, Deduct</i> -18.48 <i>For &gt;1,000, Deduct</i> -26.32		
21 13 13 00-0030 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head..... 68.24 9.80 <i>For &gt;25 To 50, Deduct</i> -1.96 <i>For &gt;50 To 100, Deduct</i> -5.37 <i>For &gt;100 To 500, Deduct</i> -9.51 <i>For &gt;500 To 1,000, Deduct</i> -18.95 <i>For &gt;1,000, Deduct</i> -26.80		
21 13 13 00-0031 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head..... 69.94 9.80 <i>For &gt;25 To 50, Deduct</i> -1.96 <i>For &gt;50 To 100, Deduct</i> -5.46 <i>For &gt;100 To 500, Deduct</i> -9.72 <i>For &gt;500 To 1,000, Deduct</i> -19.26 <i>For &gt;1,000, Deduct</i> -27.10		
21 13 13 00-0032 EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head ..... 82.31 9.80 <i>For &gt;25 To 50, Deduct</i> -1.96 <i>For &gt;50 To 100, Deduct</i> -6.08 <i>For &gt;100 To 500, Deduct</i> -11.27 <i>For &gt;500 To 1,000, Deduct</i> -21.48 <i>For &gt;1,000, Deduct</i> -29.33		
21 13 13 00-0033 EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head..... 89.16 9.80 <i>For &gt;25 To 50, Deduct</i> -1.96 <i>For &gt;50 To 100, Deduct</i> -6.42 <i>For &gt;100 To 500, Deduct</i> -12.13 <i>For &gt;500 To 1,000, Deduct</i> -22.72 <i>For &gt;1,000, Deduct</i> -30.56		

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0034	EA	1/2"	NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head .....	82.31	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-6.08	
			<i>For &gt;100 To 500, Deduct</i>	-11.27	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.48	
			<i>For &gt;1,000, Deduct</i>	-29.33	
21 13 13 00-0035	EA	1/2"	NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	89.16	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-6.42	
			<i>For &gt;100 To 500, Deduct</i>	-12.13	
			<i>For &gt;500 To 1,000, Deduct</i>	-22.72	
			<i>For &gt;1,000, Deduct</i>	-30.56	
21 13 13 00-0036	EA	1/2"	NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head .....	73.45	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.63	
			<i>For &gt;100 To 500, Deduct</i>	-10.16	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.89	
			<i>For &gt;1,000, Deduct</i>	-27.74	
21 13 13 00-0037	EA	1/2"	NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	76.79	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.80	
			<i>For &gt;100 To 500, Deduct</i>	-10.58	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.49	
			<i>For &gt;1,000, Deduct</i>	-28.34	
21 13 13 00-0038	EA	3/4"	NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head .....	74.09	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-5.88	
			<i>For &gt;100 To 500, Deduct</i>	-10.35	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.75	
			<i>For &gt;1,000, Deduct</i>	-29.46	
21 13 13 00-0039	EA	3/4"	NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	78.00	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.08	
			<i>For &gt;100 To 500, Deduct</i>	-10.84	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.45	
			<i>For &gt;1,000, Deduct</i>	-30.17	
21 13 13 00-0040	EA	3/4"	NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	78.79	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.12	
			<i>For &gt;100 To 500, Deduct</i>	-10.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.59	
			<i>For &gt;1,000, Deduct</i>	-30.31	
21 13 13 00-0041	EA	3/4"	NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	74.09	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-5.88	
			<i>For &gt;100 To 500, Deduct</i>	-10.35	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.75	
			<i>For &gt;1,000, Deduct</i>	-29.46	
21 13 13 00-0042	EA	3/4"	NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	78.00	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.08	
			<i>For &gt;100 To 500, Deduct</i>	-10.84	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.45	
			<i>For &gt;1,000, Deduct</i>	-30.17	
21 13 13 00-0043	EA	3/4"	NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	78.79	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.12	
			<i>For &gt;100 To 500, Deduct</i>	-10.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.59	
			<i>For &gt;1,000, Deduct</i>	-30.31	
21 13 13 00-0044	EA	1/2"	NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head .....	71.69	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.55	
			<i>For &gt;100 To 500, Deduct</i>	-9.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.57	
			<i>For &gt;1,000, Deduct</i>	-27.42	
21 13 13 00-0045	EA	1/2"	NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head.....	74.24	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.67	
			<i>For &gt;100 To 500, Deduct</i>	-10.26	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.03	
			<i>For &gt;1,000, Deduct</i>	-27.88	
21 13 13 00-0046	EA	1/2"	NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	74.73	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.70	
			<i>For &gt;100 To 500, Deduct</i>	-10.32	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.12	
			<i>For &gt;1,000, Deduct</i>	-27.97	
21 13 13 00-0047	EA	1/2"	NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head .....	71.69	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.55	
			<i>For &gt;100 To 500, Deduct</i>	-9.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.57	
			<i>For &gt;1,000, Deduct</i>	-27.42	



<b>Fire Suppression</b>	<b>21</b>	<b>12</b>
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0048 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head.....	74.24	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.67	
For >100 To 500, Deduct	-10.26	
For >500 To 1,000, Deduct	-20.03	
For >1,000, Deduct	-27.88	
21 13 13 00-0049 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	74.73	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.70	
For >100 To 500, Deduct	-10.32	
For >500 To 1,000, Deduct	-20.12	
For >1,000, Deduct	-27.97	
21 13 13 00-0050 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head.....	74.73	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.70	
For >100 To 500, Deduct	-10.32	
For >500 To 1,000, Deduct	-20.12	
For >1,000, Deduct	-27.97	
21 13 13 00-0051 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head.....	101.48	10.89
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-7.25	
For >100 To 500, Deduct	-13.77	
For >500 To 1,000, Deduct	-25.68	
For >1,000, Deduct	-34.39	
21 13 13 00-0052 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	104.42	10.89
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-7.40	
For >100 To 500, Deduct	-14.14	
For >500 To 1,000, Deduct	-26.21	
For >1,000, Deduct	-34.92	
21 13 13 00-0053 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	104.42	10.89
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-7.40	
For >100 To 500, Deduct	-14.14	
For >500 To 1,000, Deduct	-26.21	
For >1,000, Deduct	-34.92	
21 13 13 00-0054 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head.....	81.67	10.89
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-6.26	
For >100 To 500, Deduct	-11.30	
For >500 To 1,000, Deduct	-22.11	
For >1,000, Deduct	-30.83	
21 13 13 00-0055 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	83.68	10.89
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-6.36	
For >100 To 500, Deduct	-11.55	
For >500 To 1,000, Deduct	-22.47	
For >1,000, Deduct	-31.19	
21 13 13 00-0056 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	83.68	10.89
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-6.36	
For >100 To 500, Deduct	-11.55	
For >500 To 1,000, Deduct	-22.47	
For >1,000, Deduct	-31.19	
21 13 13 00-0057 EA 1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head.....	248.50	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-14.39	
For >100 To 500, Deduct	-32.04	
For >500 To 1,000, Deduct	-51.40	
For >1,000, Deduct	-59.25	
21 13 13 00-0058 EA 3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head.....	273.60	10.89
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-15.86	
For >100 To 500, Deduct	-35.29	
For >500 To 1,000, Deduct	-56.66	
For >1,000, Deduct	-65.38	
21 13 13 00-0059 EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head.....	130.86	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-8.50	
For >100 To 500, Deduct	-17.34	
For >500 To 1,000, Deduct	-30.22	
For >1,000, Deduct	-38.07	
21 13 13 00-0060 EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	161.51	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-10.04	
For >100 To 500, Deduct	-21.17	
For >500 To 1,000, Deduct	-35.74	
For >1,000, Deduct	-43.59	
21 13 13 00-0061 EA 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head.....	289.67	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-16.45	
For >100 To 500, Deduct	-37.19	
For >500 To 1,000, Deduct	-58.81	
For >1,000, Deduct	-66.66	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0062	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	369.54	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-20.44	
			<i>For &gt;100 To 500, Deduct</i>	-47.17	
			<i>For &gt;500 To 1,000, Deduct</i>	-73.19	
			<i>For &gt;1,000, Deduct</i>	-81.03	
21 13 13 00-0063	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head .....	165.87	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-10.47	
			<i>For &gt;100 To 500, Deduct</i>	-21.82	
			<i>For &gt;500 To 1,000, Deduct</i>	-37.27	
			<i>For &gt;1,000, Deduct</i>	-45.98	
21 13 13 00-0064	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head .....	166.80	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-10.52	
			<i>For &gt;100 To 500, Deduct</i>	-21.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-37.43	
			<i>For &gt;1,000, Deduct</i>	-46.15	
<b>21 13 13 00-0065</b>			<b>Conventional Wet Pipe Sprinkler Heads</b> <small>(21 13 13 00-0024)</small>		
21 13 13 00-0066	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head .....	64.31	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.18	
			<i>For &gt;100 To 500, Deduct</i>	-9.02	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.24	
			<i>For &gt;1,000, Deduct</i>	-26.09	
21 13 13 00-0067	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head .....	66.86	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.30	
			<i>For &gt;100 To 500, Deduct</i>	-9.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.70	
			<i>For &gt;1,000, Deduct</i>	-26.55	
21 13 13 00-0068	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	68.49	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.39	
			<i>For &gt;100 To 500, Deduct</i>	-9.54	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.00	
			<i>For &gt;1,000, Deduct</i>	-26.84	
21 13 13 00-0069	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head.....	75.00	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-5.93	
			<i>For &gt;100 To 500, Deduct</i>	-10.46	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.91	
			<i>For &gt;1,000, Deduct</i>	-29.63	
21 13 13 00-0070	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head .....	78.00	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.08	
			<i>For &gt;100 To 500, Deduct</i>	-10.84	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.45	
			<i>For &gt;1,000, Deduct</i>	-30.17	
21 13 13 00-0071	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	78.46	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.10	
			<i>For &gt;100 To 500, Deduct</i>	-10.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.53	
			<i>For &gt;1,000, Deduct</i>	-30.25	
21 13 13 00-0072	EA		1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head.....	248.50	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-14.39	
			<i>For &gt;100 To 500, Deduct</i>	-32.04	
			<i>For &gt;500 To 1,000, Deduct</i>	-51.40	
			<i>For &gt;1,000, Deduct</i>	-59.25	
<b>21 13 13 00-0073</b>			<b>Pendant Wet Pipe Sprinkler Heads</b> <small>(21 13 13 00-0024)</small>		
			See CSI section 21 13 13 00-0209 for escutcheon for recessed pendant sprinkler head.		
21 13 13 00-0074	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Brass Wet Pipe Sprinkler Head.....	64.31	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.18	
			<i>For &gt;100 To 500, Deduct</i>	-9.02	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.24	
			<i>For &gt;1,000, Deduct</i>	-26.09	
21 13 13 00-0075	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Chrome Wet Pipe Sprinkler Head .....	66.86	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.30	
			<i>For &gt;100 To 500, Deduct</i>	-9.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.70	
			<i>For &gt;1,000, Deduct</i>	-26.55	
21 13 13 00-0076	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant White Polyester Coated Wet Pipe Sprinkler Head .....	68.49	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.39	
			<i>For &gt;100 To 500, Deduct</i>	-9.54	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.00	
			<i>For &gt;1,000, Deduct</i>	-26.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0077 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Brass Wet Pipe Sprinkler Head .....	74.09	10.89
<i>For &gt;25 To 50, Deduct</i>	-2.18	
<i>For &gt;50 To 100, Deduct</i>	-5.88	
<i>For &gt;100 To 500, Deduct</i>	-10.35	
<i>For &gt;500 To 1,000, Deduct</i>	-20.75	
<i>For &gt;1,000, Deduct</i>	-29.46	
21 13 13 00-0078 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	78.00	10.89
<i>For &gt;25 To 50, Deduct</i>	-2.18	
<i>For &gt;50 To 100, Deduct</i>	-6.08	
<i>For &gt;100 To 500, Deduct</i>	-10.84	
<i>For &gt;500 To 1,000, Deduct</i>	-21.45	
<i>For &gt;1,000, Deduct</i>	-30.17	
21 13 13 00-0079 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	78.79	10.89
<i>For &gt;25 To 50, Deduct</i>	-2.18	
<i>For &gt;50 To 100, Deduct</i>	-6.12	
<i>For &gt;100 To 500, Deduct</i>	-10.94	
<i>For &gt;500 To 1,000, Deduct</i>	-21.59	
<i>For &gt;1,000, Deduct</i>	-30.31	
21 13 13 00-0080 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head .....	71.69	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.55	
<i>For &gt;100 To 500, Deduct</i>	-9.94	
<i>For &gt;500 To 1,000, Deduct</i>	-19.57	
<i>For &gt;1,000, Deduct</i>	-27.42	
21 13 13 00-0081 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head.....	74.24	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.67	
<i>For &gt;100 To 500, Deduct</i>	-10.26	
<i>For &gt;500 To 1,000, Deduct</i>	-20.03	
<i>For &gt;1,000, Deduct</i>	-27.88	
21 13 13 00-0082 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	74.73	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.70	
<i>For &gt;100 To 500, Deduct</i>	-10.32	
<i>For &gt;500 To 1,000, Deduct</i>	-20.12	
<i>For &gt;1,000, Deduct</i>	-27.97	
21 13 13 00-0083 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head .....	71.69	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.55	
<i>For &gt;100 To 500, Deduct</i>	-9.94	
<i>For &gt;500 To 1,000, Deduct</i>	-19.57	
<i>For &gt;1,000, Deduct</i>	-27.42	
21 13 13 00-0084 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head.....	74.24	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.67	
<i>For &gt;100 To 500, Deduct</i>	-10.26	
<i>For &gt;500 To 1,000, Deduct</i>	-20.03	
<i>For &gt;1,000, Deduct</i>	-27.88	
21 13 13 00-0085 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	74.73	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.70	
<i>For &gt;100 To 500, Deduct</i>	-10.32	
<i>For &gt;500 To 1,000, Deduct</i>	-20.12	
<i>For &gt;1,000, Deduct</i>	-27.97	
21 13 13 00-0086 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead .....	71.69	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.55	
<i>For &gt;100 To 500, Deduct</i>	-9.94	
<i>For &gt;500 To 1,000, Deduct</i>	-19.57	
<i>For &gt;1,000, Deduct</i>	-27.42	
21 13 13 00-0087 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead .....	74.24	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.67	
<i>For &gt;100 To 500, Deduct</i>	-10.26	
<i>For &gt;500 To 1,000, Deduct</i>	-20.03	
<i>For &gt;1,000, Deduct</i>	-27.88	
21 13 13 00-0088 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead.....	74.73	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.70	
<i>For &gt;100 To 500, Deduct</i>	-10.32	
<i>For &gt;500 To 1,000, Deduct</i>	-20.12	
<i>For &gt;1,000, Deduct</i>	-27.97	
21 13 13 00-0089 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead.....	64.31	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.18	
<i>For &gt;100 To 500, Deduct</i>	-9.02	
<i>For &gt;500 To 1,000, Deduct</i>	-18.24	
<i>For &gt;1,000, Deduct</i>	-26.09	
21 13 13 00-0090 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead .....	66.86	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.30	
<i>For &gt;100 To 500, Deduct</i>	-9.34	
<i>For &gt;500 To 1,000, Deduct</i>	-18.70	
<i>For &gt;1,000, Deduct</i>	-26.55	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0091	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead.....	68.49	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.39	
			<i>For &gt;100 To 500, Deduct</i>	-9.54	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.00	
			<i>For &gt;1,000, Deduct</i>	-26.84	
21 13 13 00-0092	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head .....	65.59	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.24	
			<i>For &gt;100 To 500, Deduct</i>	-9.18	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.48	
			<i>For &gt;1,000, Deduct</i>	-26.32	
21 13 13 00-0093	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head.....	67.40	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.33	
			<i>For &gt;100 To 500, Deduct</i>	-9.41	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.80	
			<i>For &gt;1,000, Deduct</i>	-26.65	
21 13 13 00-0094	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	69.05	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.41	
			<i>For &gt;100 To 500, Deduct</i>	-9.61	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.10	
			<i>For &gt;1,000, Deduct</i>	-26.94	
21 13 13 00-0095	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head.....	76.50	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.00	
			<i>For &gt;100 To 500, Deduct</i>	-10.65	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.18	
			<i>For &gt;1,000, Deduct</i>	-29.90	
21 13 13 00-0096	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head.....	79.82	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.17	
			<i>For &gt;100 To 500, Deduct</i>	-11.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.78	
			<i>For &gt;1,000, Deduct</i>	-30.50	
21 13 13 00-0097	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	79.82	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.17	
			<i>For &gt;100 To 500, Deduct</i>	-11.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.78	
			<i>For &gt;1,000, Deduct</i>	-30.50	
21 13 13 00-0098	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head .....	73.45	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.63	
			<i>For &gt;100 To 500, Deduct</i>	-10.16	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.89	
			<i>For &gt;1,000, Deduct</i>	-27.74	
21 13 13 00-0099	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	76.79	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.80	
			<i>For &gt;100 To 500, Deduct</i>	-10.58	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.49	
			<i>For &gt;1,000, Deduct</i>	-28.34	
21 13 13 00-0100	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head .....	81.80	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-6.05	
			<i>For &gt;100 To 500, Deduct</i>	-11.21	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.39	
			<i>For &gt;1,000, Deduct</i>	-29.24	
21 13 13 00-0101	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	87.28	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-6.33	
			<i>For &gt;100 To 500, Deduct</i>	-11.89	
			<i>For &gt;500 To 1,000, Deduct</i>	-22.38	
			<i>For &gt;1,000, Deduct</i>	-30.23	
21 13 13 00-0102	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head .....	81.80	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-6.05	
			<i>For &gt;100 To 500, Deduct</i>	-11.21	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.39	
			<i>For &gt;1,000, Deduct</i>	-29.24	
21 13 13 00-0103	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	87.28	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-6.33	
			<i>For &gt;100 To 500, Deduct</i>	-11.89	
			<i>For &gt;500 To 1,000, Deduct</i>	-22.38	
			<i>For &gt;1,000, Deduct</i>	-30.23	
21 13 13 00-0104	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	69.13	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.42	
			<i>For &gt;100 To 500, Deduct</i>	-9.62	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.11	
			<i>For &gt;1,000, Deduct</i>	-26.96	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0105 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	72.00 -1.96 -5.56 -9.98 -19.63 -27.48	9.80
21 13 13 00-0106 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	73.51 -1.96 -5.64 -10.17 -19.90 -27.75	9.80
21 13 13 00-0107 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	75.30 -2.18 -5.94 -10.50 -20.96 -29.68	10.89
21 13 13 00-0108 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	78.14 -2.18 -6.09 -10.86 -21.48 -30.19	10.89
21 13 13 00-0109 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	80.89 -2.18 -6.22 -11.20 -21.97 -30.69	10.89
21 13 13 00-0110 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	70.75 -1.96 -5.50 -9.82 -19.40 -27.25	9.80
21 13 13 00-0111 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	73.57 -1.96 -5.64 -10.18 -19.91 -27.76	9.80
21 13 13 00-0112 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	75.10 -1.96 -5.72 -10.37 -20.19 -28.03	9.80
21 13 13 00-0113 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	76.50 -2.18 -6.00 -10.65 -21.18 -29.90	10.89
21 13 13 00-0114 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	79.46 -2.18 -6.15 -11.02 -21.71 -30.43	10.89
21 13 13 00-0115 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	82.32 -2.18 -6.30 -11.38 -22.23 -30.95	10.89
21 13 13 00-0116 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	115.53 -1.96 -7.74 -15.42 -27.46 -35.31	9.80

**21 Fire Suppression**  
**21 10 Water-Based Fire-Suppression Systems**  
**21 13 Fire-Suppression Sprinkler Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0117	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	115.53	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-7.74	
			<i>For &gt;100 To 500, Deduct</i>	-15.42	
			<i>For &gt;500 To 1,000, Deduct</i>	-27.46	
			<i>For &gt;1,000, Deduct</i>	-35.31	
21 13 13 00-0118	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	84.61	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.41	
			<i>For &gt;100 To 500, Deduct</i>	-11.67	
			<i>For &gt;500 To 1,000, Deduct</i>	-22.64	
			<i>For &gt;1,000, Deduct</i>	-31.36	
21 13 13 00-0119	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	86.78	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.52	
			<i>For &gt;100 To 500, Deduct</i>	-11.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-23.03	
			<i>For &gt;1,000, Deduct</i>	-31.75	
21 13 13 00-0120	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head .....	86.78	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.52	
			<i>For &gt;100 To 500, Deduct</i>	-11.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-23.03	
			<i>For &gt;1,000, Deduct</i>	-31.75	
21 13 13 00-0121	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	81.67	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.26	
			<i>For &gt;100 To 500, Deduct</i>	-11.30	
			<i>For &gt;500 To 1,000, Deduct</i>	-22.11	
			<i>For &gt;1,000, Deduct</i>	-30.83	
21 13 13 00-0122	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	83.68	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.36	
			<i>For &gt;100 To 500, Deduct</i>	-11.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-22.47	
			<i>For &gt;1,000, Deduct</i>	-31.19	
21 13 13 00-0123	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head .....	83.68	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.36	
			<i>For &gt;100 To 500, Deduct</i>	-11.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-22.47	
			<i>For &gt;1,000, Deduct</i>	-31.19	
21 13 13 00-0124	EA		1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head .....	248.50	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-14.39	
			<i>For &gt;100 To 500, Deduct</i>	-32.04	
			<i>For &gt;500 To 1,000, Deduct</i>	-51.40	
			<i>For &gt;1,000, Deduct</i>	-59.25	
21 13 13 00-0125	EA		3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head .....	273.60	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-15.86	
			<i>For &gt;100 To 500, Deduct</i>	-35.29	
			<i>For &gt;500 To 1,000, Deduct</i>	-56.66	
			<i>For &gt;1,000, Deduct</i>	-65.38	
21 13 13 00-0126	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head .....	130.86	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-8.50	
			<i>For &gt;100 To 500, Deduct</i>	-17.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-30.22	
			<i>For &gt;1,000, Deduct</i>	-38.07	
21 13 13 00-0127	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	161.51	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-10.04	
			<i>For &gt;100 To 500, Deduct</i>	-21.17	
			<i>For &gt;500 To 1,000, Deduct</i>	-35.74	
			<i>For &gt;1,000, Deduct</i>	-43.59	
21 13 13 00-0128	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head .....	289.67	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-16.45	
			<i>For &gt;100 To 500, Deduct</i>	-37.19	
			<i>For &gt;500 To 1,000, Deduct</i>	-58.81	
			<i>For &gt;1,000, Deduct</i>	-66.66	
21 13 13 00-0129	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	369.54	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-20.44	
			<i>For &gt;100 To 500, Deduct</i>	-47.17	
			<i>For &gt;500 To 1,000, Deduct</i>	-73.19	
			<i>For &gt;1,000, Deduct</i>	-81.03	
21 13 13 00-0130	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head .....	165.87	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-10.47	
			<i>For &gt;100 To 500, Deduct</i>	-21.82	
			<i>For &gt;500 To 1,000, Deduct</i>	-37.27	
			<i>For &gt;1,000, Deduct</i>	-45.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0131 EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	166.80	10.89
<i>For &gt;25 To 50, Deduct</i>	-2.18	
<i>For &gt;50 To 100, Deduct</i>	-10.52	
<i>For &gt;100 To 500, Deduct</i>	-21.94	
<i>For &gt;500 To 1,000, Deduct</i>	-37.43	
<i>For &gt;1,000, Deduct</i>	-46.15	
<b>21 13 13 00-0132 Sidewall Wet Pipe Sprinkler Heads</b> <small>(21 13 13 00-0024)</small>		
<b>21 13 13 00-0133 Horizontal Sidewall Wet-Pipe Sprinkler Heads</b> <small>(21 13 13 00-0132)</small>		
21 13 13 00-0134 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	68.13	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.37	
<i>For &gt;100 To 500, Deduct</i>	-9.50	
<i>For &gt;500 To 1,000, Deduct</i>	-18.93	
<i>For &gt;1,000, Deduct</i>	-26.78	
21 13 13 00-0135 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	70.17	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.47	
<i>For &gt;100 To 500, Deduct</i>	-9.75	
<i>For &gt;500 To 1,000, Deduct</i>	-19.30	
<i>For &gt;1,000, Deduct</i>	-27.15	
21 13 13 00-0136 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head.....	73.41	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.63	
<i>For &gt;100 To 500, Deduct</i>	-10.16	
<i>For &gt;500 To 1,000, Deduct</i>	-19.88	
<i>For &gt;1,000, Deduct</i>	-27.73	
21 13 13 00-0137 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	69.28	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.43	
<i>For &gt;100 To 500, Deduct</i>	-9.64	
<i>For &gt;500 To 1,000, Deduct</i>	-19.14	
<i>For &gt;1,000, Deduct</i>	-26.99	
21 13 13 00-0138 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	71.36	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.53	
<i>For &gt;100 To 500, Deduct</i>	-9.90	
<i>For &gt;500 To 1,000, Deduct</i>	-19.51	
<i>For &gt;1,000, Deduct</i>	-27.36	
21 13 13 00-0139 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head .....	74.66	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.69	
<i>For &gt;100 To 500, Deduct</i>	-10.31	
<i>For &gt;500 To 1,000, Deduct</i>	-20.11	
<i>For &gt;1,000, Deduct</i>	-27.95	
21 13 13 00-0140 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	76.79	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.80	
<i>For &gt;100 To 500, Deduct</i>	-10.58	
<i>For &gt;500 To 1,000, Deduct</i>	-20.49	
<i>For &gt;1,000, Deduct</i>	-28.34	
21 13 13 00-0141 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	80.12	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-5.97	
<i>For &gt;100 To 500, Deduct</i>	-11.00	
<i>For &gt;500 To 1,000, Deduct</i>	-21.09	
<i>For &gt;1,000, Deduct</i>	-28.94	
21 13 13 00-0142 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	82.84	10.89
<i>For &gt;25 To 50, Deduct</i>	-2.18	
<i>For &gt;50 To 100, Deduct</i>	-6.32	
<i>For &gt;100 To 500, Deduct</i>	-11.44	
<i>For &gt;500 To 1,000, Deduct</i>	-22.32	
<i>For &gt;1,000, Deduct</i>	-31.04	
21 13 13 00-0143 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	87.83	10.89
<i>For &gt;25 To 50, Deduct</i>	-2.18	
<i>For &gt;50 To 100, Deduct</i>	-6.57	
<i>For &gt;100 To 500, Deduct</i>	-12.07	
<i>For &gt;500 To 1,000, Deduct</i>	-23.22	
<i>For &gt;1,000, Deduct</i>	-31.94	
21 13 13 00-0144 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	83.98	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-6.16	
<i>For &gt;100 To 500, Deduct</i>	-11.48	
<i>For &gt;500 To 1,000, Deduct</i>	-21.79	
<i>For &gt;1,000, Deduct</i>	-29.63	
21 13 13 00-0145 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	87.28	9.80
<i>For &gt;25 To 50, Deduct</i>	-1.96	
<i>For &gt;50 To 100, Deduct</i>	-6.33	
<i>For &gt;100 To 500, Deduct</i>	-11.89	
<i>For &gt;500 To 1,000, Deduct</i>	-22.38	
<i>For &gt;1,000, Deduct</i>	-30.23	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0146	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	83.98	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-6.16	
			<i>For &gt;100 To 500, Deduct</i>	-11.48	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.79	
			<i>For &gt;1,000, Deduct</i>	-29.63	
21 13 13 00-0147	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	87.28	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-6.33	
			<i>For &gt;100 To 500, Deduct</i>	-11.89	
			<i>For &gt;500 To 1,000, Deduct</i>	-22.38	
			<i>For &gt;1,000, Deduct</i>	-30.23	
21 13 13 00-0148	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	66.39	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.28	
			<i>For &gt;100 To 500, Deduct</i>	-9.28	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.62	
			<i>For &gt;1,000, Deduct</i>	-26.47	
21 13 13 00-0149	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	68.08	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.37	
			<i>For &gt;100 To 500, Deduct</i>	-9.49	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.92	
			<i>For &gt;1,000, Deduct</i>	-26.77	
21 13 13 00-0150	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	70.18	9.80
			<i>For &gt;25 To 50, Deduct</i>	-1.96	
			<i>For &gt;50 To 100, Deduct</i>	-5.47	
			<i>For &gt;100 To 500, Deduct</i>	-9.75	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.30	
			<i>For &gt;1,000, Deduct</i>	-27.15	
21 13 13 00-0151	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	72.73	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-5.82	
			<i>For &gt;100 To 500, Deduct</i>	-10.18	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.50	
			<i>For &gt;1,000, Deduct</i>	-29.22	
21 13 13 00-0152	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	74.54	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-5.91	
			<i>For &gt;100 To 500, Deduct</i>	-10.41	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.83	
			<i>For &gt;1,000, Deduct</i>	-29.55	
21 13 13 00-0153	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	76.50	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.00	
			<i>For &gt;100 To 500, Deduct</i>	-10.65	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.18	
			<i>For &gt;1,000, Deduct</i>	-29.90	
21 13 13 00-0154	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	74.16	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-5.89	
			<i>For &gt;100 To 500, Deduct</i>	-10.36	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.76	
			<i>For &gt;1,000, Deduct</i>	-29.48	
21 13 13 00-0155	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	76.05	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-5.98	
			<i>For &gt;100 To 500, Deduct</i>	-10.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.10	
			<i>For &gt;1,000, Deduct</i>	-29.82	
21 13 13 00-0156	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	78.08	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.08	
			<i>For &gt;100 To 500, Deduct</i>	-10.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.46	
			<i>For &gt;1,000, Deduct</i>	-30.18	
21 13 13 00-0157	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	78.11	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.09	
			<i>For &gt;100 To 500, Deduct</i>	-10.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.47	
			<i>For &gt;1,000, Deduct</i>	-30.19	
21 13 13 00-0158	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	80.89	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-6.22	
			<i>For &gt;100 To 500, Deduct</i>	-11.20	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.97	
			<i>For &gt;1,000, Deduct</i>	-30.69	



<b>Fire Suppression</b>	<b>21</b>	
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	<b>12</b>
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0159 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	80.89	10.89
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-6.22	
For >100 To 500, Deduct	-11.20	
For >500 To 1,000, Deduct	-21.97	
For >1,000, Deduct	-30.69	
21 13 13 00-0160 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	133.95	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-8.66	
For >100 To 500, Deduct	-17.72	
For >500 To 1,000, Deduct	-30.78	
For >1,000, Deduct	-38.63	
21 13 13 00-0161 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head.....	133.95	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-8.66	
For >100 To 500, Deduct	-17.72	
For >500 To 1,000, Deduct	-30.78	
For >1,000, Deduct	-38.63	
21 13 13 00-0162 EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	67.09	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.32	
For >100 To 500, Deduct	-9.37	
For >500 To 1,000, Deduct	-18.75	
For >1,000, Deduct	-26.59	
21 13 13 00-0163 EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	67.09	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.32	
For >100 To 500, Deduct	-9.37	
For >500 To 1,000, Deduct	-18.75	
For >1,000, Deduct	-26.59	
21 13 13 00-0164 EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head.....	67.09	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.32	
For >100 To 500, Deduct	-9.37	
For >500 To 1,000, Deduct	-18.75	
For >1,000, Deduct	-26.59	
<b>21 13 13 00-0165 Vertical Sidewall Wet-Pipe Sprinkler Heads</b> <small>(21 13 13 00-0132)</small>		
21 13 13 00-0166 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head.....	70.78	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.50	
For >100 To 500, Deduct	-9.83	
For >500 To 1,000, Deduct	-19.41	
For >1,000, Deduct	-27.26	
21 13 13 00-0167 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head.....	73.33	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.63	
For >100 To 500, Deduct	-10.15	
For >500 To 1,000, Deduct	-19.87	
For >1,000, Deduct	-27.71	
21 13 13 00-0168 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head.....	74.43	9.80
For >25 To 50, Deduct	-1.96	
For >50 To 100, Deduct	-5.68	
For >100 To 500, Deduct	-10.28	
For >500 To 1,000, Deduct	-20.07	
For >1,000, Deduct	-27.91	
<b>21 13 13 00-0169 Concealed Wet Pipe Sprinkler Heads</b> <small>(21 13 13 00-0024)</small>		
<b>21 13 13 00-0170 Concealed Pendant Wet-Pipe Sprinkler Heads</b> <small>(21 13 13 00-0169)</small>		
21 13 13 00-0171 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead.....	102.48	13.08
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.62	
For >50 To 100, Deduct	-7.74	
For >100 To 500, Deduct	-14.12	
For >500 To 1,000, Deduct	-27.34	
For >1,000, Deduct	-37.80	
21 13 13 00-0172 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	72.52	13.08
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.62	
For >50 To 100, Deduct	-6.24	
For >100 To 500, Deduct	-10.37	
For >500 To 1,000, Deduct	-21.94	
For >1,000, Deduct	-32.40	
21 13 13 00-0173 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	73.62	13.08
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.62	
For >50 To 100, Deduct	-6.30	
For >100 To 500, Deduct	-10.51	
For >500 To 1,000, Deduct	-22.14	
For >1,000, Deduct	-32.60	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0174	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	92.84	14.17
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.83	
			For >50 To 100, Deduct	-7.48	
			For >100 To 500, Deduct	-13.02	
			For >500 To 1,000, Deduct	-26.35	
			For >1,000, Deduct	-37.68	
21 13 13 00-0175	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	88.47	13.08
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.62	
			For >50 To 100, Deduct	-7.04	
			For >100 To 500, Deduct	-12.37	
			For >500 To 1,000, Deduct	-24.82	
			For >1,000, Deduct	-35.28	
21 13 13 00-0176	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	88.47	13.08
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.62	
			For >50 To 100, Deduct	-7.04	
			For >100 To 500, Deduct	-12.37	
			For >500 To 1,000, Deduct	-24.82	
			For >1,000, Deduct	-35.28	
21 13 13 00-0177	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	92.84	14.17
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.83	
			For >50 To 100, Deduct	-7.48	
			For >100 To 500, Deduct	-13.02	
			For >500 To 1,000, Deduct	-26.35	
			For >1,000, Deduct	-37.68	
21 13 13 00-0178	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	81.46	13.08
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.62	
			For >50 To 100, Deduct	-6.69	
			For >100 To 500, Deduct	-11.49	
			For >500 To 1,000, Deduct	-23.55	
			For >1,000, Deduct	-34.01	
21 13 13 00-0179	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	88.47	13.08
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.62	
			For >50 To 100, Deduct	-7.04	
			For >100 To 500, Deduct	-12.37	
			For >500 To 1,000, Deduct	-24.82	
			For >1,000, Deduct	-35.28	
21 13 13 00-0180	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	88.47	13.08
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.62	
			For >50 To 100, Deduct	-7.04	
			For >100 To 500, Deduct	-12.37	
			For >500 To 1,000, Deduct	-24.82	
			For >1,000, Deduct	-35.28	
21 13 13 00-0181	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	83.12	13.08
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.62	
			For >50 To 100, Deduct	-6.77	
			For >100 To 500, Deduct	-11.70	
			For >500 To 1,000, Deduct	-23.85	
			For >1,000, Deduct	-34.31	
21 13 13 00-0182	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head.....	138.95	15.26
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-3.05	
			For >50 To 100, Deduct	-10.00	
			For >100 To 500, Deduct	-18.89	
			For >500 To 1,000, Deduct	-35.38	
			For >1,000, Deduct	-47.59	
21 13 13 00-0183	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	77.97	13.08
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.62	
			For >50 To 100, Deduct	-6.51	
			For >100 To 500, Deduct	-11.05	
			For >500 To 1,000, Deduct	-22.93	
			For >1,000, Deduct	-33.39	
21 13 13 00-0184	EA		3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	81.89	14.17
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.83	
			For >50 To 100, Deduct	-6.93	
			For >100 To 500, Deduct	-11.65	
			For >500 To 1,000, Deduct	-24.37	
			For >1,000, Deduct	-35.71	
21 13 13 00-0185	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	78.95	13.08
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.62	
			For >50 To 100, Deduct	-6.56	
			For >100 To 500, Deduct	-11.18	
			For >500 To 1,000, Deduct	-23.10	
			For >1,000, Deduct	-33.56	



<b>Fire Suppression</b>	<b>21</b>	<b>12</b>
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0186	EA		3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	83.32	14.17
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.83	
			For >50 To 100, Deduct	-7.00	
			For >100 To 500, Deduct	-11.83	
			For >500 To 1,000, Deduct	-24.63	
			For >1,000, Deduct	-35.97	
21 13 13 00-0187	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	93.30	14.17
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.83	
			For >50 To 100, Deduct	-7.50	
			For >100 To 500, Deduct	-13.08	
			For >500 To 1,000, Deduct	-26.43	
			For >1,000, Deduct	-37.76	
21 13 13 00-0188	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Coverplate.....	161.67	15.26
			For >25 To 50, Deduct	-3.05	
			For >50 To 100, Deduct	-11.13	
			For >100 To 500, Deduct	-21.73	
			For >500 To 1,000, Deduct	-39.47	
			For >1,000, Deduct	-51.68	
21 13 13 00-0189	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Coverplate.....	161.67	15.26
			For >25 To 50, Deduct	-3.05	
			For >50 To 100, Deduct	-11.13	
			For >100 To 500, Deduct	-21.73	
			For >500 To 1,000, Deduct	-39.47	
			For >1,000, Deduct	-51.68	
<b>21 13 13 00-0190</b>			<b>Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads (21 13 13 00-0169)</b>		
21 13 13 00-0191	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	110.81	13.08
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.62	
			For >50 To 100, Deduct	-8.16	
			For >100 To 500, Deduct	-15.16	
			For >500 To 1,000, Deduct	-28.84	
			For >1,000, Deduct	-39.30	
21 13 13 00-0192	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	124.93	14.17
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.83	
			For >50 To 100, Deduct	-9.08	
			For >100 To 500, Deduct	-17.03	
			For >500 To 1,000, Deduct	-32.12	
			For >1,000, Deduct	-43.46	
21 13 13 00-0193	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	86.45	13.08
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.62	
			For >50 To 100, Deduct	-6.94	
			For >100 To 500, Deduct	-12.11	
			For >500 To 1,000, Deduct	-24.45	
			For >1,000, Deduct	-34.91	
21 13 13 00-0194	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	87.11	14.17
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.83	
			For >50 To 100, Deduct	-7.19	
			For >100 To 500, Deduct	-12.31	
			For >500 To 1,000, Deduct	-25.31	
			For >1,000, Deduct	-36.65	
<b>21 13 13 00-0195</b>			<b>Institutional Tamper Resistant Wet Pipe Sprinkler Heads (21 13 13 00-0024)</b>		
21 13 13 00-0196	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head.....	270.20	10.89
			Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
			For >25 To 50, Deduct	-2.18	
			For >50 To 100, Deduct	-15.69	
			For >100 To 500, Deduct	-34.86	
			For >500 To 1,000, Deduct	-56.05	
			For >1,000, Deduct	-64.76	
21 13 13 00-0197	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	263.65	10.89
			Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
			For >25 To 50, Deduct	-2.18	
			For >50 To 100, Deduct	-15.36	
			For >100 To 500, Deduct	-34.05	
			For >500 To 1,000, Deduct	-54.87	
			For >1,000, Deduct	-63.59	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0198	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head.....	112.88	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-7.82	
			<i>For &gt;100 To 500, Deduct</i>	-15.20	
			<i>For &gt;500 To 1,000, Deduct</i>	-27.73	
			<i>For &gt;1,000, Deduct</i>	-36.45	
21 13 13 00-0199	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	126.46	10.89
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-8.50	
			<i>For &gt;100 To 500, Deduct</i>	-16.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-30.17	
			<i>For &gt;1,000, Deduct</i>	-38.89	
21 13 13 00-0200			<b>Wet Pipe Sprinkler Head Accessories</b> (21 13 13 00-0011)		
21 13 13 00-0201			<b>Sprinkler Adjustable Steel Drop Nipple</b> (21 13 13 00-0200)		
21 13 13 00-0202	EA		1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150).....	44.85	11.22
			<i>For &gt;25 To 50, Deduct</i>	-0.94	
			<i>For &gt;50 To 100, Deduct</i>	-3.18	
			<i>For &gt;100 To 500, Deduct</i>	-6.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-11.25	
			<i>For &gt;1,000, Deduct</i>	-15.00	
21 13 13 00-0203	EA		1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150).....	44.85	11.22
			<i>For &gt;25 To 50, Deduct</i>	-0.94	
			<i>For &gt;50 To 100, Deduct</i>	-3.18	
			<i>For &gt;100 To 500, Deduct</i>	-6.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-11.25	
			<i>For &gt;1,000, Deduct</i>	-15.00	
21 13 13 00-0204	EA		1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150).....	45.39	11.22
			<i>For &gt;25 To 50, Deduct</i>	-0.94	
			<i>For &gt;50 To 100, Deduct</i>	-3.21	
			<i>For &gt;100 To 500, Deduct</i>	-6.14	
			<i>For &gt;500 To 1,000, Deduct</i>	-11.35	
			<i>For &gt;1,000, Deduct</i>	-15.09	
21 13 13 00-0205	EA		1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150).....	39.89	11.22
			<i>For &gt;25 To 50, Deduct</i>	-0.94	
			<i>For &gt;50 To 100, Deduct</i>	-2.93	
			<i>For &gt;100 To 500, Deduct</i>	-5.45	
			<i>For &gt;500 To 1,000, Deduct</i>	-10.36	
			<i>For &gt;1,000, Deduct</i>	-14.10	
21 13 13 00-0206	EA		1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150).....	39.89	11.22
			<i>For &gt;25 To 50, Deduct</i>	-0.94	
			<i>For &gt;50 To 100, Deduct</i>	-2.93	
			<i>For &gt;100 To 500, Deduct</i>	-5.45	
			<i>For &gt;500 To 1,000, Deduct</i>	-10.36	
			<i>For &gt;1,000, Deduct</i>	-14.10	
21 13 13 00-0207	EA		1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150).....	39.89	11.22
			<i>For &gt;25 To 50, Deduct</i>	-0.94	
			<i>For &gt;50 To 100, Deduct</i>	-2.93	
			<i>For &gt;100 To 500, Deduct</i>	-5.45	
			<i>For &gt;500 To 1,000, Deduct</i>	-10.36	
			<i>For &gt;1,000, Deduct</i>	-14.10	
21 13 13 00-0208	EA		1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175).....	44.60	12.21
			<i>For &gt;25 To 50, Deduct</i>	-1.02	
			<i>For &gt;50 To 100, Deduct</i>	-3.25	
			<i>For &gt;100 To 500, Deduct</i>	-6.08	
			<i>For &gt;500 To 1,000, Deduct</i>	-11.49	
			<i>For &gt;1,000, Deduct</i>	-15.55	
21 13 13 00-0209			<b>Sprinkler Head Escutcheon</b> (21 13 13 00-0200)		
21 13 13 00-0210	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	17.26	3.92
			<i>For &gt;25 To 50, Deduct</i>	-0.33	
			<i>For &gt;50 To 100, Deduct</i>	-1.19	
			<i>For &gt;100 To 500, Deduct</i>	-2.32	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.22	
			<i>For &gt;1,000, Deduct</i>	-5.53	
21 13 13 00-0211	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	11.85	3.92
			<i>For &gt;25 To 50, Deduct</i>	-0.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.92	
			<i>For &gt;100 To 500, Deduct</i>	-1.64	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.24	
			<i>For &gt;1,000, Deduct</i>	-4.55	





<b>Fire Suppression</b>	<b>21</b>	<b>12</b>
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0212 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	11.85	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.92	
For >100 To 500, Deduct	-1.64	
For >500 To 1,000, Deduct	-3.24	
For >1,000, Deduct	-4.55	
21 13 13 00-0213 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	17.26	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-1.19	
For >100 To 500, Deduct	-2.32	
For >500 To 1,000, Deduct	-4.22	
For >1,000, Deduct	-5.53	
21 13 13 00-0214 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	11.85	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.92	
For >100 To 500, Deduct	-1.64	
For >500 To 1,000, Deduct	-3.24	
For >1,000, Deduct	-4.55	
21 13 13 00-0215 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	11.85	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.92	
For >100 To 500, Deduct	-1.64	
For >500 To 1,000, Deduct	-3.24	
For >1,000, Deduct	-4.55	
21 13 13 00-0216 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	16.28	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-1.14	
For >100 To 500, Deduct	-2.20	
For >500 To 1,000, Deduct	-4.04	
For >1,000, Deduct	-5.35	
21 13 13 00-0217 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	11.85	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.92	
For >100 To 500, Deduct	-1.64	
For >500 To 1,000, Deduct	-3.24	
For >1,000, Deduct	-4.55	
21 13 13 00-0218 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	11.85	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.92	
For >100 To 500, Deduct	-1.64	
For >500 To 1,000, Deduct	-3.24	
For >1,000, Deduct	-4.55	
21 13 13 00-0219 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	16.28	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-1.14	
For >100 To 500, Deduct	-2.20	
For >500 To 1,000, Deduct	-4.04	
For >1,000, Deduct	-5.35	
21 13 13 00-0220 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	11.85	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.92	
For >100 To 500, Deduct	-1.64	
For >500 To 1,000, Deduct	-3.24	
For >1,000, Deduct	-4.55	
21 13 13 00-0221 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	11.85	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.92	
For >100 To 500, Deduct	-1.64	
For >500 To 1,000, Deduct	-3.24	
For >1,000, Deduct	-4.55	
21 13 13 00-0222 EA 3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon.....	16.77	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-1.17	
For >100 To 500, Deduct	-2.26	
For >500 To 1,000, Deduct	-4.13	
For >1,000, Deduct	-5.44	
21 13 13 00-0223 EA 3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon.....	16.77	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-1.17	
For >100 To 500, Deduct	-2.26	
For >500 To 1,000, Deduct	-4.13	
For >1,000, Deduct	-5.44	
21 13 13 00-0224 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon.....	6.53	2.88
For >25 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-0.54	
For >100 To 500, Deduct	-0.93	
For >500 To 1,000, Deduct	-1.92	
For >1,000, Deduct	-2.79	
21 13 13 00-0225 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon.....	5.85	2.88
For >25 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-0.51	
For >100 To 500, Deduct	-0.84	
For >500 To 1,000, Deduct	-1.79	
For >1,000, Deduct	-2.67	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0226	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon.....	6.03	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.52	
			<i>For &gt;100 To 500, Deduct</i>	-0.86	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.83	
			<i>For &gt;1,000, Deduct</i>	-2.70	
21 13 13 00-0227	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon.....	6.65	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.55	
			<i>For &gt;100 To 500, Deduct</i>	-0.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.94	
			<i>For &gt;1,000, Deduct</i>	-2.81	
21 13 13 00-0228	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon .....	5.97	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.52	
			<i>For &gt;100 To 500, Deduct</i>	-0.86	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.82	
			<i>For &gt;1,000, Deduct</i>	-2.69	
21 13 13 00-0229	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon.....	5.97	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.52	
			<i>For &gt;100 To 500, Deduct</i>	-0.86	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.82	
			<i>For &gt;1,000, Deduct</i>	-2.69	
21 13 13 00-0230	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon.....	7.36	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.59	
			<i>For &gt;100 To 500, Deduct</i>	-1.03	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.07	
			<i>For &gt;1,000, Deduct</i>	-2.94	
21 13 13 00-0231	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon .....	5.95	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.52	
			<i>For &gt;100 To 500, Deduct</i>	-0.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.81	
			<i>For &gt;1,000, Deduct</i>	-2.68	
21 13 13 00-0232	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon.....	5.95	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.52	
			<i>For &gt;100 To 500, Deduct</i>	-0.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.81	
			<i>For &gt;1,000, Deduct</i>	-2.68	
21 13 13 00-0233	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon.....	9.88	4.03
			<i>For &gt;25 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.80	
			<i>For &gt;100 To 500, Deduct</i>	-1.39	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.82	
			<i>For &gt;1,000, Deduct</i>	-4.04	
21 13 13 00-0234	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	9.51	4.03
			<i>For &gt;25 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.78	
			<i>For &gt;100 To 500, Deduct</i>	-1.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.75	
			<i>For &gt;1,000, Deduct</i>	-3.97	
21 13 13 00-0235	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon.....	9.63	4.03
			<i>For &gt;25 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.79	
			<i>For &gt;100 To 500, Deduct</i>	-1.36	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.77	
			<i>For &gt;1,000, Deduct</i>	-3.99	
21 13 13 00-0236	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon.....	10.00	4.03
			<i>For &gt;25 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.81	
			<i>For &gt;100 To 500, Deduct</i>	-1.40	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.84	
			<i>For &gt;1,000, Deduct</i>	-4.06	
21 13 13 00-0237	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	9.63	4.03
			<i>For &gt;25 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.79	
			<i>For &gt;100 To 500, Deduct</i>	-1.36	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.77	
			<i>For &gt;1,000, Deduct</i>	-3.99	
21 13 13 00-0238	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon.....	9.88	4.03
			<i>For &gt;25 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.80	
			<i>For &gt;100 To 500, Deduct</i>	-1.39	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.82	
			<i>For &gt;1,000, Deduct</i>	-4.04	



<b>Fire Suppression</b>	<b>21</b>	<b>12</b>
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0239 EA Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head .....	21.23	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-1.39	
For >100 To 500, Deduct	-2.82	
For >500 To 1,000, Deduct	-4.93	
For >1,000, Deduct	-6.24	
21 13 13 00-0240 EA Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head .....	21.23	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-1.39	
For >100 To 500, Deduct	-2.82	
For >500 To 1,000, Deduct	-4.93	
For >1,000, Deduct	-6.24	
21 13 13 00-0241 EA Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head .....	21.23	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-1.39	
For >100 To 500, Deduct	-2.82	
For >500 To 1,000, Deduct	-4.93	
For >1,000, Deduct	-6.24	
21 13 13 00-0242 EA Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head .....	21.23	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-1.39	
For >100 To 500, Deduct	-2.82	
For >500 To 1,000, Deduct	-4.93	
For >1,000, Deduct	-6.24	
21 13 13 00-0243 EA Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head .....	21.23	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-1.39	
For >100 To 500, Deduct	-2.82	
For >500 To 1,000, Deduct	-4.93	
For >1,000, Deduct	-6.24	
21 13 13 00-0244 EA White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head .....	21.23	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-1.39	
For >100 To 500, Deduct	-2.82	
For >500 To 1,000, Deduct	-4.93	
For >1,000, Deduct	-6.24	
21 13 13 00-0245 EA 2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head .....	24.58	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-1.56	
For >100 To 500, Deduct	-3.24	
For >500 To 1,000, Deduct	-5.54	
For >1,000, Deduct	-6.84	
21 13 13 00-0246 EA 2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head .....	25.36	3.92
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-1.60	
For >100 To 500, Deduct	-3.33	
For >500 To 1,000, Deduct	-5.68	
For >1,000, Deduct	-6.98	
<b>21 13 13 00-0247 Coverplate For Sprinkler Heads (21 13 13 00-0200)</b>		
21 13 13 00-0248 EA Chrome Coverplate For Concealed Pendent Sprinkler Head .....	51.07	4.44
For >25 To 50, Deduct	-0.37	
For >50 To 100, Deduct	-2.92	
For >100 To 500, Deduct	-6.57	
For >500 To 1,000, Deduct	-10.45	
For >1,000, Deduct	-11.93	
21 13 13 00-0249 EA White Coverplate For Concealed Pendent Sprinkler Head .....	24.42	4.44
For >25 To 50, Deduct	-0.37	
For >50 To 100, Deduct	-1.59	
For >100 To 500, Deduct	-3.24	
For >500 To 1,000, Deduct	-5.66	
For >1,000, Deduct	-7.14	
21 13 13 00-0250 EA Specialty Coverplate For Concealed Pendent Sprinkler Head .....	35.98	4.44
For >25 To 50, Deduct	-0.37	
For >50 To 100, Deduct	-2.17	
For >100 To 500, Deduct	-4.68	
For >500 To 1,000, Deduct	-7.74	
For >1,000, Deduct	-9.22	
21 13 13 00-0251 EA Brass Coverplate For Concealed Sidewall Sprinkler Head .....	32.98	4.44
For >25 To 50, Deduct	-0.37	
For >50 To 100, Deduct	-2.02	
For >100 To 500, Deduct	-4.31	
For >500 To 1,000, Deduct	-7.20	
For >1,000, Deduct	-8.68	
21 13 13 00-0252 EA Chrome Coverplate For Concealed Sidewall Sprinkler Head .....	26.18	4.44
For >25 To 50, Deduct	-0.37	
For >50 To 100, Deduct	-1.68	
For >100 To 500, Deduct	-3.46	
For >500 To 1,000, Deduct	-5.97	
For >1,000, Deduct	-7.45	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0253	EA		White Coverplate For Concealed Sidewall Sprinkler Head.....	26.18	4.44
			<i>For &gt;25 To 50, Deduct</i>	-0.37	
			<i>For &gt;50 To 100, Deduct</i>	-1.68	
			<i>For &gt;100 To 500, Deduct</i>	-3.46	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.97	
			<i>For &gt;1,000, Deduct</i>	-7.45	
21 13 13 00-0254	EA		Off-White Coverplate For Concealed Sidewall Sprinkler Head.....	32.98	4.44
			<i>For &gt;25 To 50, Deduct</i>	-0.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.02	
			<i>For &gt;100 To 500, Deduct</i>	-4.31	
			<i>For &gt;500 To 1,000, Deduct</i>	-7.20	
			<i>For &gt;1,000, Deduct</i>	-8.68	
21 13 13 00-0255	EA		Black Painted Coverplate For Concealed Sidewall Sprinkler Head.....	32.98	4.44
			<i>For &gt;25 To 50, Deduct</i>	-0.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.02	
			<i>For &gt;100 To 500, Deduct</i>	-4.31	
			<i>For &gt;500 To 1,000, Deduct</i>	-7.20	
			<i>For &gt;1,000, Deduct</i>	-8.68	
21 13 13 00-0256	EA		Black Plated Coverplate For Concealed Sidewall Sprinkler Head.....	38.37	4.44
			<i>For &gt;25 To 50, Deduct</i>	-0.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.29	
			<i>For &gt;100 To 500, Deduct</i>	-4.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-8.17	
			<i>For &gt;1,000, Deduct</i>	-9.65	
21 13 13 00-0257	EA		Bright Brass Coverplate For Concealed Sidewall Sprinkler Head.....	38.37	4.44
			<i>For &gt;25 To 50, Deduct</i>	-0.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.29	
			<i>For &gt;100 To 500, Deduct</i>	-4.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-8.17	
			<i>For &gt;1,000, Deduct</i>	-9.65	
21 13 13 00-0258	EA		Satin Chrome Coverplate For Concealed Sidewall Sprinkler Head.....	38.37	4.44
			<i>For &gt;25 To 50, Deduct</i>	-0.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.29	
			<i>For &gt;100 To 500, Deduct</i>	-4.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-8.17	
			<i>For &gt;1,000, Deduct</i>	-9.65	
21 13 13 00-0259	EA		Specialty Coverplate For Concealed Sidewall Sprinkler Head.....	33.01	4.44
			<i>For &gt;25 To 50, Deduct</i>	-0.37	
			<i>For &gt;50 To 100, Deduct</i>	-2.02	
			<i>For &gt;100 To 500, Deduct</i>	-4.31	
			<i>For &gt;500 To 1,000, Deduct</i>	-7.20	
			<i>For &gt;1,000, Deduct</i>	-8.68	
21 13 13 00-0260	EA		White Coverplate For Quick Release Concealed Sidewall Sprinkler Head.....	56.73	5.23
			<i>For &gt;25 To 50, Deduct</i>	-0.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.27	
			<i>For &gt;100 To 500, Deduct</i>	-7.31	
			<i>For &gt;500 To 1,000, Deduct</i>	-11.69	
			<i>For &gt;1,000, Deduct</i>	-13.43	
<b>21 13 13 00-0261</b>			<b>Sprinkler Escutcheon Extension Tube</b> <small>(21 13 13 00-0200)</small>		
21 13 13 00-0262	EA		2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	12.80	2.62
			Note: For use with 2 piece escutcheons		
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.86	
			<i>For &gt;100 To 500, Deduct</i>	-1.71	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.05	
			<i>For &gt;1,000, Deduct</i>	-3.92	
21 13 13 00-0263	EA		2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	16.77	2.75
			Note: For use with 2 piece escutcheons		
			<i>For &gt;25 To 50, Deduct</i>	-0.23	
			<i>For &gt;50 To 100, Deduct</i>	-1.07	
			<i>For &gt;100 To 500, Deduct</i>	-2.21	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.80	
			<i>For &gt;1,000, Deduct</i>	-4.71	
21 13 13 00-0264	EA		2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	21.22	2.88
			Note: For use with 2 piece escutcheons		
			<i>For &gt;25 To 50, Deduct</i>	-0.24	
			<i>For &gt;50 To 100, Deduct</i>	-1.30	
			<i>For &gt;100 To 500, Deduct</i>	-2.77	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.64	
			<i>For &gt;1,000, Deduct</i>	-5.60	
21 13 13 00-0265	EA		2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	25.18	3.01
			Note: For use with 2 piece escutcheons		
			<i>For &gt;25 To 50, Deduct</i>	-0.25	
			<i>For &gt;50 To 100, Deduct</i>	-1.51	
			<i>For &gt;100 To 500, Deduct</i>	-3.27	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.38	
			<i>For &gt;1,000, Deduct</i>	-6.39	

**21 13 13 00-0266 Sprinkler Head Guards** (21 13 13 00-0200)



<b>Fire Suppression</b>	<b>21</b>	<b>12</b>
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0267 EA Universal Sprinkler Head Guard, C-1 .....	18.45	7.85
For >25 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.58	
For >100 To 500, Deduct	-2.63	
For >500 To 1,000, Deduct	-5.54	
For >1,000, Deduct	-8.16	
21 13 13 00-0268 EA Dry Pendent Sprinkler Head Guard, C-2 .....	20.53	7.85
For >25 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.68	
For >100 To 500, Deduct	-2.89	
For >500 To 1,000, Deduct	-5.92	
For >1,000, Deduct	-8.54	
21 13 13 00-0269 EA Upright Sprinkler Head Guard With Water Shield, C-3 .....	24.08	7.85
For >25 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.86	
For >100 To 500, Deduct	-3.34	
For >500 To 1,000, Deduct	-6.56	
For >1,000, Deduct	-9.17	
21 13 13 00-0270 EA Pendent Sprinkler Head Guard With Water Shield, C-5 .....	28.46	7.85
For >25 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-2.08	
For >100 To 500, Deduct	-3.88	
For >500 To 1,000, Deduct	-7.35	
For >1,000, Deduct	-9.96	
21 13 13 00-0271 EA Universal Sprinkler Head Guard, D-1 .....	20.45	7.85
For >25 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.68	
For >100 To 500, Deduct	-2.88	
For >500 To 1,000, Deduct	-5.90	
For >1,000, Deduct	-8.52	
21 13 13 00-0272 EA Upright Sprinkler Head Guard With Water Shield, D-3 .....	21.80	7.85
For >25 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.74	
For >100 To 500, Deduct	-3.05	
For >500 To 1,000, Deduct	-6.15	
For >1,000, Deduct	-8.76	
21 13 13 00-0273 EA Pendent Sprinkler Head Guard With Large Water Shield, D-4 .....	31.84	7.85
For >25 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-2.25	
For >100 To 500, Deduct	-4.31	
For >500 To 1,000, Deduct	-7.95	
For >1,000, Deduct	-10.57	
21 13 13 00-0274 EA Pendent Sprinkler Head Guard With Small Water Shield, D-5.....	29.83	7.85
For >25 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-2.15	
For >100 To 500, Deduct	-4.06	
For >500 To 1,000, Deduct	-7.59	
For >1,000, Deduct	-10.21	
<b>21 13 13 00-0275 Replacement Sprinkler Escutcheon (21 13 13 00-0200)</b>		
21 13 13 00-0276 EA Push On, Brass Replacement Sprinkler Escutcheon.....	9.00	2.88
For >25 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-0.67	
For >100 To 500, Deduct	-1.23	
For >500 To 1,000, Deduct	-2.36	
For >1,000, Deduct	-3.23	
21 13 13 00-0277 EA Push On, Chrome Replacement Sprinkler Escutcheon .....	8.94	2.88
For >25 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-0.67	
For >100 To 500, Deduct	-1.23	
For >500 To 1,000, Deduct	-2.35	
For >1,000, Deduct	-3.22	
21 13 13 00-0278 EA Push On, White Replacement Sprinkler Escutcheon.....	8.94	2.88
For >25 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-0.67	
For >100 To 500, Deduct	-1.23	
For >500 To 1,000, Deduct	-2.35	
For >1,000, Deduct	-3.22	
21 13 13 00-0279 EA Flush, Brass Replacement Sprinkler Escutcheon.....	8.94	2.88
For >25 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-0.67	
For >100 To 500, Deduct	-1.23	
For >500 To 1,000, Deduct	-2.35	
For >1,000, Deduct	-3.22	
21 13 13 00-0280 EA Flush, Chrome Replacement Sprinkler Escutcheon .....	8.94	2.88
For >25 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-0.67	
For >100 To 500, Deduct	-1.23	
For >500 To 1,000, Deduct	-2.35	
For >1,000, Deduct	-3.22	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0281	EA		Flush, White Replacement Sprinkler Escutcheon .....	10.98	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.77	
			<i>For &gt;100 To 500, Deduct</i>	-1.48	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.72	
			<i>For &gt;1,000, Deduct</i>	-3.59	
21 13 13 00-0282	EA		Deep, Brass Replacement Sprinkler Escutcheon .....	8.94	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.67	
			<i>For &gt;100 To 500, Deduct</i>	-1.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.35	
			<i>For &gt;1,000, Deduct</i>	-3.22	
21 13 13 00-0283	EA		Deep, Chrome Replacement Sprinkler Escutcheon .....	8.94	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.67	
			<i>For &gt;100 To 500, Deduct</i>	-1.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.35	
			<i>For &gt;1,000, Deduct</i>	-3.22	
21 13 13 00-0284	EA		Deep, White Replacement Sprinkler Escutcheon .....	8.94	2.88
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.67	
			<i>For &gt;100 To 500, Deduct</i>	-1.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.35	
			<i>For &gt;1,000, Deduct</i>	-3.22	
<b>21 13 13 00-0285</b>			<b>Pendent Shield And O-Ring Assembly</b> <small>(21 13 13 00-0200)</small>		
21 13 13 00-0286	EA		Pendent Shield And O-Ring Assembly .....	14.22	5.76
			<i>For &gt;25 To 50, Deduct</i>	-0.44	
			<i>For &gt;50 To 100, Deduct</i>	-1.15	
			<i>For &gt;100 To 500, Deduct</i>	-2.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.04	
			<i>For &gt;1,000, Deduct</i>	-5.78	
<b>21 13 13 00-0287</b>			<b>Replacement Insulating Sealing Assembly</b> <small>(21 13 13 00-0200)</small>		
21 13 13 00-0288	EA		Insulating Sealing Assembly .....	59.27	13.08
			<i>For &gt;100 To 500, Deduct</i>	-8.06	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.11	
<b>21 13 13 00-0289</b>			<b>Flexible Sprinkler Piping</b> <small>(21 13 13 00-0011)</small>		
			Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0290	EA		2' Long Stainless Steel Flexible Sprinkler Piping .....	65.75	13.51
			Note: Includes ceiling mounting bracket.		
			<i>For &gt;25 To 50, Deduct</i>	-1.36	
			<i>For &gt;50 To 100, Deduct</i>	-4.65	
			<i>For &gt;100 To 500, Deduct</i>	-8.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-16.47	
			<i>For &gt;1,000, Deduct</i>	-21.91	
21 13 13 00-0291	EA		3' Long Stainless Steel Flexible Sprinkler Piping .....	73.06	13.94
			Note: Includes ceiling mounting bracket.		
			<i>For &gt;25 To 50, Deduct</i>	-1.43	
			<i>For &gt;50 To 100, Deduct</i>	-5.09	
			<i>For &gt;100 To 500, Deduct</i>	-9.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.03	
			<i>For &gt;1,000, Deduct</i>	-23.76	
21 13 13 00-0292	EA		4' Long Stainless Steel Flexible Sprinkler Piping .....	80.48	14.82
			Note: Includes ceiling mounting bracket.		
			<i>For &gt;25 To 50, Deduct</i>	-1.51	
			<i>For &gt;50 To 100, Deduct</i>	-5.54	
			<i>For &gt;100 To 500, Deduct</i>	-10.82	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.63	
			<i>For &gt;1,000, Deduct</i>	-25.69	
21 13 13 00-0293	EA		5' Long Stainless Steel Flexible Sprinkler Piping .....	88.13	15.69
			Note: Includes ceiling mounting bracket.		
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-6.01	
			<i>For &gt;100 To 500, Deduct</i>	-11.82	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.31	
			<i>For &gt;1,000, Deduct</i>	-27.72	
21 13 13 00-0294	EA		6' Long Stainless Steel Flexible Sprinkler Piping .....	95.98	17.44
			Note: Includes ceiling mounting bracket.		
			<i>For &gt;25 To 50, Deduct</i>	-1.70	
			<i>For &gt;50 To 100, Deduct</i>	-6.50	
			<i>For &gt;100 To 500, Deduct</i>	-12.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-23.06	
			<i>For &gt;1,000, Deduct</i>	-29.87	
<b>21 13 13 00-0295</b>			<b>Sprinkler Emergency Cabinets</b> <small>(21 13 13 00-0011)</small>		
21 13 13 00-0296	EA		3 Capacity Emergency Sprinkler Cabinet, A4 .....	90.91	
21 13 13 00-0297	EA		6 Capacity Emergency Sprinkler Cabinet, A4 .....	95.26	
21 13 13 00-0298	EA		12 Capacity Emergency Sprinkler Cabinet, A4 .....	101.51	
21 13 13 00-0299	EA		12 Capacity Emergency Sprinkler Cabinet, A3 .....	321.34	



<b>Fire Suppression</b>	<b>21</b>	<b>12</b>
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0300 EA Sprinkler Wrench, RC1 .....	156.51	
21 13 13 00-0301 EA Sprinkler Wrench, FC .....	155.90	
21 13 13 00-0302 EA Sprinkler Wrench, W2 .....	51.76	
<b>21 13 16 Dry-Pipe Sprinkler Systems (21 13)</b>		
<b>21 13 16 00-0001 Complete Dry Pipe Sprinkler Systems (21 13 16)</b>		
Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1396 for individual grooved pipe, 23 21 13 23-1469 for individual grooved pipe fittings.		
<b>21 13 16 00-0002 Light Hazard, Dry-Pipe Sprinkler Systems (21 13 16 00-0001)</b>		
21 13 16 00-0003 EA Exposed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head .....	444.97	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
<i>For Up To 5, Add</i>	202.47	
<i>For &gt;5 To 10, Add</i>	105.69	
<i>For &gt;10 To 20, Add</i>	81.21	
<i>For &gt;20 To 40, Add</i>	34.49	
<i>For &gt;100 To 150, Deduct</i>	-44.50	
<i>For &gt;150, Deduct</i>	-88.99	
<i>For Copper Pipe, Add</i>	54.51	
<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-76.76	
21 13 16 00-0004 EA Concealed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head .....	550.15	
Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
<i>For Up To 5, Add</i>	253.26	
<i>For &gt;5 To 10, Add</i>	138.02	
<i>For &gt;10 To 20, Add</i>	104.82	
<i>For &gt;20 To 40, Add</i>	44.11	
<i>For &gt;100 To 150, Deduct</i>	-55.02	
<i>For &gt;150, Deduct</i>	-110.03	
<i>For Copper Pipe, Add</i>	65.92	
<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-93.43	
<b>21 13 16 00-0005 Ordinary Hazard, Dry-Pipe Sprinkler Systems (21 13 16 00-0001)</b>		
21 13 16 00-0006 EA Exposed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head .....	453.64	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
<i>For Up To 5, Add</i>	205.63	
<i>For &gt;5 To 10, Add</i>	105.80	
<i>For &gt;10 To 20, Add</i>	81.62	
<i>For &gt;20 To 40, Add</i>	34.77	
<i>For &gt;100 To 150, Deduct</i>	-45.36	
<i>For &gt;150, Deduct</i>	-90.73	
<i>For Copper Pipe, Add</i>	55.96	
<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-78.64	
21 13 16 00-0007 EA Concealed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head .....	555.82	
Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
<i>For Up To 5, Add</i>	255.13	
<i>For &gt;5 To 10, Add</i>	137.59	
<i>For &gt;10 To 20, Add</i>	104.79	
<i>For &gt;20 To 40, Add</i>	44.19	
<i>For &gt;100 To 150, Deduct</i>	-55.58	
<i>For &gt;150, Deduct</i>	-111.16	
<i>For Copper Pipe, Add</i>	66.97	
<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-94.76	
<b>21 13 16 00-0008 Extra Hazard, Dry-Pipe Sprinkler Systems (21 13 16 00-0001)</b>		
21 13 16 00-0009 EA Exposed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head .....	426.05	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
<i>For Up To 5, Add</i>	192.95	
<i>For &gt;5 To 10, Add</i>	98.92	
<i>For &gt;10 To 20, Add</i>	76.39	
<i>For &gt;20 To 40, Add</i>	32.57	
<i>For &gt;100 To 150, Deduct</i>	-42.61	
<i>For &gt;150, Deduct</i>	-85.21	
<i>For Copper Pipe, Add</i>	52.64	
<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-73.95	
21 13 16 00-0010 EA Concealed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head .....	517.38	
Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
<i>For Up To 5, Add</i>	237.51	
<i>For &gt;5 To 10, Add</i>	128.12	
<i>For &gt;10 To 20, Add</i>	97.57	
<i>For &gt;20 To 40, Add</i>	41.15	
<i>For &gt;100 To 150, Deduct</i>	-51.74	
<i>For &gt;150, Deduct</i>	-103.48	
<i>For Copper Pipe, Add</i>	62.33	
<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-88.20	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
21 13 16 00-0011		<b>Dry-Pipe Sprinkler System Equipment</b> <small>(21 13 16 00-0001)</small>		
21 13 16 00-0012	EA	Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge .....	2,353.04	265.13
21 13 16 00-0013	EA	Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge .....	2,461.86	265.13
21 13 16 00-0014	EA	Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge .....	2,553.69	265.13
21 13 16 00-0015	EA	Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge .....	2,910.77	265.13
21 13 16 00-0016		<b>Dry Pipe Sprinkler System Components</b> <small>(21 13 16)</small>		
		Note: Excludes hydraulic calculations.		
21 13 16 00-0017		<b>Dry Pipe Valves</b> <small>(21 13 16 00-0016)</small>		
		Note: Excludes trim package See CSI section 21 13 16 00-0022 for Dry Pipe Valve Trim.		
21 13 16 00-0018	EA	2-1/2" Dry Pipe Valve.....	3,289.04	111.85
21 13 16 00-0019	EA	3" Dry Pipe Valve.....	3,661.03	128.12
21 13 16 00-0020	EA	4" Dry Pipe Valve.....	4,064.45	217.62
21 13 16 00-0021	EA	6" Dry Pipe Valve.....	5,154.64	274.56
21 13 16 00-0022		<b>Dry Pipe Valve Trim</b> <small>(21 13 16 00-0016)</small>		
		Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0023	EA	2-1/2" Dry Pipe Valve Trim.....	1,568.80	236.73
21 13 16 00-0024	EA	3" Dry Pipe Valve Trim.....	1,568.80	236.73
21 13 16 00-0025	EA	4" Dry Pipe Valve Trim.....	1,800.97	324.58
21 13 16 00-0026	EA	6" Dry Pipe Valve Trim.....	2,012.48	451.49
21 13 16 00-0027		<b>Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response</b> <small>(21 13 16 00-0016)</small>		
21 13 16 00-0028	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....	194.52	17.26
		For >25 To 50, Deduct	-2.62	
		For >50 To 100, Deduct	-12.34	
		For >100 To 500, Deduct	-25.62	
		For >500 To 1,000, Deduct	-43.90	
		For >1,000, Deduct	-54.36	
21 13 16 00-0029	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	202.71	17.26
		For >25 To 50, Deduct	-2.62	
		For >50 To 100, Deduct	-12.75	
		For >100 To 500, Deduct	-26.65	
		For >500 To 1,000, Deduct	-45.38	
		For >1,000, Deduct	-55.84	
21 13 16 00-0030	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	210.91	17.26
		For >25 To 50, Deduct	-2.62	
		For >50 To 100, Deduct	-13.16	
		For >100 To 500, Deduct	-27.67	
		For >500 To 1,000, Deduct	-46.85	
		For >1,000, Deduct	-57.31	
21 13 16 00-0031	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	219.12	17.26
		For >25 To 50, Deduct	-2.62	
		For >50 To 100, Deduct	-13.57	
		For >100 To 500, Deduct	-28.70	
		For >500 To 1,000, Deduct	-48.33	
		For >1,000, Deduct	-58.79	
21 13 16 00-0032	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	227.32	17.26
		For >25 To 50, Deduct	-2.62	
		For >50 To 100, Deduct	-13.98	
		For >100 To 500, Deduct	-29.72	
		For >500 To 1,000, Deduct	-49.81	
		For >1,000, Deduct	-60.27	
21 13 16 00-0033	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	235.52	17.26
		For >25 To 50, Deduct	-2.62	
		For >50 To 100, Deduct	-14.39	
		For >100 To 500, Deduct	-30.75	
		For >500 To 1,000, Deduct	-51.28	
		For >1,000, Deduct	-61.74	
21 13 16 00-0034	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	243.71	17.26
		For >25 To 50, Deduct	-2.62	
		For >50 To 100, Deduct	-14.80	
		For >100 To 500, Deduct	-31.77	
		For >500 To 1,000, Deduct	-52.76	
		For >1,000, Deduct	-63.22	
21 13 16 00-0035	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	251.93	17.26
		For >25 To 50, Deduct	-2.62	
		For >50 To 100, Deduct	-15.21	
		For >100 To 500, Deduct	-32.80	
		For >500 To 1,000, Deduct	-54.24	
		For >1,000, Deduct	-64.70	
21 13 16 00-0036	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	260.11	17.26
		For >25 To 50, Deduct	-2.62	
		For >50 To 100, Deduct	-15.62	
		For >100 To 500, Deduct	-33.82	
		For >500 To 1,000, Deduct	-55.71	
		For >1,000, Deduct	-66.17	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0037 EA 30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....	268.31	17.26
<i>For &gt;25 To 50, Deduct</i>	-2.62	
<i>For &gt;50 To 100, Deduct</i>	-16.03	
<i>For &gt;100 To 500, Deduct</i>	-34.85	
<i>For &gt;500 To 1,000, Deduct</i>	-57.19	
<i>For &gt;1,000, Deduct</i>	-67.65	
21 13 16 00-0038 EA 33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....	276.52	17.26
<i>For &gt;25 To 50, Deduct</i>	-2.62	
<i>For &gt;50 To 100, Deduct</i>	-16.44	
<i>For &gt;100 To 500, Deduct</i>	-35.87	
<i>For &gt;500 To 1,000, Deduct</i>	-58.66	
<i>For &gt;1,000, Deduct</i>	-69.12	
21 13 16 00-0039 EA 36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....	284.72	17.26
<i>For &gt;25 To 50, Deduct</i>	-2.62	
<i>For &gt;50 To 100, Deduct</i>	-16.85	
<i>For &gt;100 To 500, Deduct</i>	-36.90	
<i>For &gt;500 To 1,000, Deduct</i>	-60.14	
<i>For &gt;1,000, Deduct</i>	-70.60	
21 13 16 00-0040 EA 39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....	292.94	17.26
<i>For &gt;25 To 50, Deduct</i>	-2.62	
<i>For &gt;50 To 100, Deduct</i>	-17.26	
<i>For &gt;100 To 500, Deduct</i>	-37.93	
<i>For &gt;500 To 1,000, Deduct</i>	-61.62	
<i>For &gt;1,000, Deduct</i>	-72.08	
21 13 16 00-0041 EA 42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....	301.12	17.26
<i>For &gt;25 To 50, Deduct</i>	-2.62	
<i>For &gt;50 To 100, Deduct</i>	-17.67	
<i>For &gt;100 To 500, Deduct</i>	-38.95	
<i>For &gt;500 To 1,000, Deduct</i>	-63.09	
<i>For &gt;1,000, Deduct</i>	-73.55	
21 13 16 00-0042 EA 45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	309.33	17.26
<i>For &gt;25 To 50, Deduct</i>	-2.62	
<i>For &gt;50 To 100, Deduct</i>	-18.08	
<i>For &gt;100 To 500, Deduct</i>	-39.97	
<i>For &gt;500 To 1,000, Deduct</i>	-64.57	
<i>For &gt;1,000, Deduct</i>	-75.03	
<b>21 13 16 00-0043 Sidewall Dry Pipe Sprinkler Heads, Quick Response <small>(21 13 16 00-0016)</small></b>		
21 13 16 00-0044 EA 3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	192.54	17.26
<i>For &gt;25 To 50, Deduct</i>	-2.62	
<i>For &gt;50 To 100, Deduct</i>	-12.24	
<i>For &gt;100 To 500, Deduct</i>	-25.38	
<i>For &gt;500 To 1,000, Deduct</i>	-43.55	
<i>For &gt;1,000, Deduct</i>	-54.01	
21 13 16 00-0045 EA 6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	200.75	17.26
<i>For &gt;25 To 50, Deduct</i>	-2.62	
<i>For &gt;50 To 100, Deduct</i>	-12.65	
<i>For &gt;100 To 500, Deduct</i>	-26.40	
<i>For &gt;500 To 1,000, Deduct</i>	-45.03	
<i>For &gt;1,000, Deduct</i>	-55.49	
21 13 16 00-0046 EA 9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	208.97	17.26
<i>For &gt;25 To 50, Deduct</i>	-2.62	
<i>For &gt;50 To 100, Deduct</i>	-13.06	
<i>For &gt;100 To 500, Deduct</i>	-27.43	
<i>For &gt;500 To 1,000, Deduct</i>	-46.51	
<i>For &gt;1,000, Deduct</i>	-56.97	
21 13 16 00-0047 EA 12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	217.14	17.26
<i>For &gt;25 To 50, Deduct</i>	-2.62	
<i>For &gt;50 To 100, Deduct</i>	-13.47	
<i>For &gt;100 To 500, Deduct</i>	-28.45	
<i>For &gt;500 To 1,000, Deduct</i>	-47.98	
<i>For &gt;1,000, Deduct</i>	-58.44	
21 13 16 00-0048 EA 15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	225.35	17.26
<i>For &gt;25 To 50, Deduct</i>	-2.62	
<i>For &gt;50 To 100, Deduct</i>	-13.88	
<i>For &gt;100 To 500, Deduct</i>	-29.48	
<i>For &gt;500 To 1,000, Deduct</i>	-49.45	
<i>For &gt;1,000, Deduct</i>	-59.91	
21 13 16 00-0049 EA 18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	233.54	17.26
<i>For &gt;25 To 50, Deduct</i>	-2.62	
<i>For &gt;50 To 100, Deduct</i>	-14.29	
<i>For &gt;100 To 500, Deduct</i>	-30.50	
<i>For &gt;500 To 1,000, Deduct</i>	-50.93	
<i>For &gt;1,000, Deduct</i>	-61.39	
21 13 16 00-0050 EA 21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	241.76	17.26
<i>For &gt;25 To 50, Deduct</i>	-2.62	
<i>For &gt;50 To 100, Deduct</i>	-14.70	
<i>For &gt;100 To 500, Deduct</i>	-31.53	
<i>For &gt;500 To 1,000, Deduct</i>	-52.41	
<i>For &gt;1,000, Deduct</i>	-62.87	

**21 Fire Suppression**  
**21 10 Water-Based Fire-Suppression Systems**  
**21 13 Fire-Suppression Sprinkler Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0051	EA	24"	To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	249.96	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.62	
			<i>For &gt;50 To 100, Deduct</i>	-15.11	
			<i>For &gt;100 To 500, Deduct</i>	-32.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-53.88	
			<i>For &gt;1,000, Deduct</i>	-64.34	
21 13 16 00-0052	EA	27"	To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	258.14	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.62	
			<i>For &gt;50 To 100, Deduct</i>	-15.52	
			<i>For &gt;100 To 500, Deduct</i>	-33.58	
			<i>For &gt;500 To 1,000, Deduct</i>	-55.36	
			<i>For &gt;1,000, Deduct</i>	-65.82	
21 13 16 00-0053	EA	30"	To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	266.34	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.62	
			<i>For &gt;50 To 100, Deduct</i>	-15.93	
			<i>For &gt;100 To 500, Deduct</i>	-34.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-56.83	
			<i>For &gt;1,000, Deduct</i>	-67.29	
21 13 16 00-0054	EA	33"	To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	274.55	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.62	
			<i>For &gt;50 To 100, Deduct</i>	-16.34	
			<i>For &gt;100 To 500, Deduct</i>	-35.63	
			<i>For &gt;500 To 1,000, Deduct</i>	-58.31	
			<i>For &gt;1,000, Deduct</i>	-68.77	
21 13 16 00-0055	EA	36"	To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	282.75	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.62	
			<i>For &gt;50 To 100, Deduct</i>	-16.75	
			<i>For &gt;100 To 500, Deduct</i>	-36.65	
			<i>For &gt;500 To 1,000, Deduct</i>	-59.79	
			<i>For &gt;1,000, Deduct</i>	-70.25	
21 13 16 00-0056	EA	39"	To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	307.36	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.62	
			<i>For &gt;50 To 100, Deduct</i>	-17.98	
			<i>For &gt;100 To 500, Deduct</i>	-39.73	
			<i>For &gt;500 To 1,000, Deduct</i>	-64.22	
			<i>For &gt;1,000, Deduct</i>	-74.68	
21 13 16 00-0057	EA	42"	To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	315.56	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.62	
			<i>For &gt;50 To 100, Deduct</i>	-18.39	
			<i>For &gt;100 To 500, Deduct</i>	-40.75	
			<i>For &gt;500 To 1,000, Deduct</i>	-65.69	
			<i>For &gt;1,000, Deduct</i>	-76.15	
21 13 16 00-0058	EA	45"	To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	318.83	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.62	
			<i>For &gt;50 To 100, Deduct</i>	-18.56	
			<i>For &gt;100 To 500, Deduct</i>	-41.16	
			<i>For &gt;500 To 1,000, Deduct</i>	-66.28	
			<i>For &gt;1,000, Deduct</i>	-76.74	
<b>21 13 16 00-0059</b>			<b>Pendent Dry Pipe Sprinkler Head, Early Suppression, Fast Response</b> <small>(21 13 16 00-0016)</small>		
21 13 16 00-0060	EA	23"	Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	891.90	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.83	
			<i>For &gt;50 To 100, Deduct</i>	-47.43	
			<i>For &gt;100 To 500, Deduct</i>	-112.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-170.18	
			<i>For &gt;1,000, Deduct</i>	-181.51	
21 13 16 00-0061	EA	30"	Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	891.90	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.83	
			<i>For &gt;50 To 100, Deduct</i>	-47.43	
			<i>For &gt;100 To 500, Deduct</i>	-112.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-170.18	
			<i>For &gt;1,000, Deduct</i>	-181.51	
21 13 16 00-0062	EA	36"	Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	891.90	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.83	
			<i>For &gt;50 To 100, Deduct</i>	-47.43	
			<i>For &gt;100 To 500, Deduct</i>	-112.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-170.18	
			<i>For &gt;1,000, Deduct</i>	-181.51	
21 13 16 00-0063	EA	36"	Length, 1-1/4" ISO Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	891.90	17.26
			<i>For &gt;25 To 50, Deduct</i>	-2.83	
			<i>For &gt;50 To 100, Deduct</i>	-47.43	
			<i>For &gt;100 To 500, Deduct</i>	-112.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-170.18	
			<i>For &gt;1,000, Deduct</i>	-181.51	

**21 13 19 Preaction Sprinkler Systems** (21 13)



<b>Fire Suppression</b>	<b>21</b>	<b>12</b>
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>21 13 19 00-0001 Complete Preaction Sprinkler Systems</b> <small>(21 13 19)</small>		
<small>Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. See CSI section 23 21 13 23-1396 for individual grooved pipe, 23 21 13 23-1469 for individual grooved pipe fittings.</small>		
<b>21 13 19 00-0002 Ordinary Hazard, Preaction Sprinkler Systems</b> <small>(21 13 19 00-0001)</small>		
21 13 19 00-0003 EA Exposed Piping, Ordinary Hazard, Preaction Sprinkler System, Per Head .....	424.09	
<small>Note: Includes branch pipe and fittings, supports and sprinkler heads.</small>		
<i>For Up To 5, Add</i>	193.81	
<i>For &gt;5 To 10, Add</i>	121.08	
<i>For &gt;10 To 20, Add</i>	78.67	
<i>For &gt;20 To 40, Add</i>	33.29	
<i>For &gt;100 To 150, Deduct</i>	-42.41	
<i>For &gt;150, Deduct</i>	-84.82	
<b>21 13 19 00-0004 Extra Hazard, Preaction Sprinkler Systems</b> <small>(21 13 19 00-0001)</small>		
21 13 19 00-0005 EA Exposed Piping, Extra Hazard, Preaction Sprinkler System, Per Head .....	394.81	
<small>Note: Includes branch pipe and fittings, supports and sprinkler heads.</small>		
<i>For Up To 5, Add</i>	180.45	
<i>For &gt;5 To 10, Add</i>	112.75	
<i>For &gt;10 To 20, Add</i>	73.27	
<i>For &gt;20 To 40, Add</i>	31.00	
<i>For &gt;100 To 150, Deduct</i>	-39.48	
<i>For &gt;150, Deduct</i>	-78.96	
<b>21 13 26 Deluge Fire-Suppression Sprinkler Systems</b> <small>(21 13)</small>		
<b>21 13 26 00-0001 Deluge Fire-Suppression Sprinkler Systems Equipment</b> <small>(21 13 26)</small>		
<b>21 13 26 00-0002 Deluge Valves With Required Trim And Release Equipment</b> <small>(21 13 26 00-0001)</small>		
21 13 26 00-0003 EA 3" Deluge Valve With Trim And Release Equipment .....	5,901.91	484.33
21 13 26 00-0004 EA 4" Deluge Valve With Trim And Release Equipment .....	6,769.17	544.82
21 13 26 00-0005 EA 6" Deluge Valve With Trim And Release Equipment .....	8,373.81	792.49
<b>21 13 39 Foam-Water Systems</b> <small>(21 13)</small>		
<b>21 13 39 00-0001 Foam Control Valves And Monitors</b> <small>(21 13 39)</small>		
<b>21 13 39 00-0002 Control Valves</b> <small>(21 13 39 00-0001)</small>		
21 13 39 00-0003 EA 3" Foam Control Valve.....	2,758.54	484.33
<b>21 13 39 00-0004 Supply Valves</b> <small>(21 13 39 00-0001)</small>		
21 13 39 00-0005 EA 2-1/2" Foam Supply Valve .....	2,481.84	544.82
<b>21 13 39 00-0006 Proportioners</b> <small>(21 13 39 00-0001)</small>		
21 13 39 00-0007 EA 8" Foam Proportioner.....	2,030.02	792.49
<b>21 13 39 00-0008 Monitors</b> <small>(21 13 39 00-0001)</small>		
21 13 39 00-0009 EA Oscillating Foam Monitor .....	2,883.90	108.97
<b>21 13 41 Fire-Suppression Sprinkler Piping</b> <small>(21 13)</small>		
<small>See CSI section 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0798 for flanged black steel pipe fittings, 23 21 13 23-1396 for grooved pipe, 23 21 13 23-1469 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.</small>		
<b>21 13 41 00-0001 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe</b> <small>(21 13 41)</small>		
<small>Note: SDR 13.5</small>		
<b>21 13 41 00-0002 Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0003 LF 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	4.94	1.39
21 13 41 00-0004 LF 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	5.99	1.48
21 13 41 00-0005 LF 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	7.62	1.66
21 13 41 00-0006 LF 1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	9.41	1.83
21 13 41 00-0007 LF 2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	12.21	2.01
21 13 41 00-0008 LF 2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	16.90	2.26
21 13 41 00-0009 LF 3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	23.77	2.71
<b>21 13 41 00-0010 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0011 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	22.82	8.37

<b>21</b>	<b>Fire Suppression</b>
<b>21 10</b>	<b>Water-Based Fire-Suppression Systems</b>
<b>21 13</b>	<b>Fire-Suppression Sprinkler Systems</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0012 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	30.37	10.46
21 13 41 00-0013 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	38.00	13.08
21 13 41 00-0014 EA 1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	43.65	14.47
21 13 41 00-0015 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	49.66	16.22
21 13 41 00-0016 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	63.72	18.40
21 13 41 00-0017 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	78.47	21.79
<b>21 13 41 00-0018 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0019 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	23.49	8.37
21 13 41 00-0020 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	29.30	10.46
21 13 41 00-0021 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	37.19	13.08
21 13 41 00-0022 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	42.36	14.47
21 13 41 00-0023 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	48.04	16.22
21 13 41 00-0024 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	59.65	18.40
21 13 41 00-0025 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	73.99	21.79
<b>21 13 41 00-0026 Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0027 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	33.95	12.55
21 13 41 00-0028 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	44.48	15.78
21 13 41 00-0029 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	56.81	19.70
21 13 41 00-0030 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	65.65	21.79
21 13 41 00-0031 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	77.36	24.23
21 13 41 00-0032 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	96.16	27.64
21 13 41 00-0033 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	113.60	32.60
<b>21 13 41 00-0034 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0035 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	41.03	14.73
21 13 41 00-0036 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	53.79	18.40
21 13 41 00-0037 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	60.36	20.32
21 13 41 00-0038 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	72.00	22.67
21 13 41 00-0039 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	85.50	25.80
21 13 41 00-0040 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	100.53	30.42
<b>21 13 41 00-0041 Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0042 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	45.91	16.74
21 13 41 00-0043 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	57.55	21.01
21 13 41 00-0044 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	72.60	26.24
21 13 41 00-0045 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	82.15	29.03
21 13 41 00-0046 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	96.76	32.34
21 13 41 00-0047 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	126.63	36.78
<b>21 13 41 00-0048 Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0049 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	15.76	5.58
21 13 41 00-0050 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	21.11	7.49
21 13 41 00-0051 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	28.05	9.85
21 13 41 00-0052 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	32.14	10.89
21 13 41 00-0053 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	37.03	12.12
21 13 41 00-0054 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	44.77	13.77
21 13 41 00-0055 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	54.16	16.30
<b>21 13 41 00-0056 Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0057 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	8.07	2.79
21 13 41 00-0058 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	12.81	4.53
21 13 41 00-0059 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	14.80	4.88
21 13 41 00-0060 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	17.06	5.40
21 13 41 00-0061 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	20.39	6.10
21 13 41 00-0062 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	24.79	6.89
21 13 41 00-0063 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	32.61	8.20
<b>21 13 41 00-0064 Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0065 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	22.08	8.28
21 13 41 00-0066 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	29.33	10.81
21 13 41 00-0067 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	32.41	11.94
21 13 41 00-0068 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	37.06	13.34
21 13 41 00-0069 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	44.31	15.17
21 13 41 00-0070 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	54.39	17.95



<b>Fire Suppression</b>	<b>21</b>	<b>12</b>
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>21 13 41 00-0071</b>	<b>Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>	
21 13 41 00-0072 EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping.....	20.08 6.10
21 13 41 00-0073 EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping.....	25.68 8.28
<b>21 13 41 00-0074</b>	<b>Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>	
21 13 41 00-0075 EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	20.08 6.10
21 13 41 00-0076 EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	25.68 8.28
<b>21 13 41 00-0077</b>	<b>Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>	
21 13 41 00-0078 EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	23.24 7.49
21 13 41 00-0079 EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	29.81 9.41
21 13 41 00-0080 EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	31.16 9.41
<b>21 13 41 00-0081</b>	<b>Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>	
21 13 41 00-0082 EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	38.08 12.55
21 13 41 00-0083 EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	46.65 15.78
21 13 41 00-0084 EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	61.23 19.70
21 13 41 00-0085 EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	70.33 21.79
21 13 41 00-0086 EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	83.05 24.23

## 21 20 Fire-Extinguishing Systems (21)

### 21 21 Carbon-Dioxide Fire-Extinguishing Systems (21 20)

#### 21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment (21 21)

##### 21 21 16 00-0001 Carbon Dioxide Cylinders (21 21 16)

21 21 16 00-0002 EA	Carbon Dioxide Simplex Cylinder, 75 LB.....	2,075.23	214.81
21 21 16 00-0003 EA	Carbon Dioxide Duplex Cylinder, 75 LB (Each).....	4,150.45	429.62
21 21 16 00-0004 EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket.....	296.85	110.78
21 21 16 00-0005 EA	Carbon Dioxide Cylinder, Dispersion Nozzle.....	134.17	39.25
21 21 16 00-0006 LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing.....	34.39	15.91

### 21 22 Clean-Agent Fire-Extinguishing Systems (21 20)

#### 21 22 16 Clean-Agent Fire-Extinguishing Equipment (21 22)

##### 21 22 16 00-0001 Ansul Fire Control Systems (21 22 16)

##### 21 22 16 00-0002 Sapphire® Fire Suppression Systems (21 22 16 00-0001)

Note: ANSUL® SAPPHIRE® fire suppression systems use 3MTM NovecTM 1230 fire protection fluid for total flooding applications.

##### 21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems (21 22 16 00-0002)

21 22 16 00-0004 EA	20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635).....	1,484.91	73.24
	Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0005 EA	40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636).....	1,693.58	73.24
	Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0006 EA	80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637).....	1,721.01	73.24
	Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0007 EA	140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638).....	2,443.23	97.64
	Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0008 EA	280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639).....	2,581.17	97.64
	Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0009 EA	390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640).....	2,758.15	122.06
	Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0010 EA	450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641).....	2,926.34	122.06
	Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0011 EA	850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586).....	4,415.96	146.46
	Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.		

<b>21</b>	<b>Fire Suppression</b>
<b>21 20</b>	<b>Fire-Extinguishing Systems</b>
<b>21 22</b>	<b>Clean-Agent Fire-Extinguishing Systems</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0012	LB		Sapphire Agent, Fire Protection Fluid, Factory Filled (Novec 1230) ..... Note: Add to empty tank cost.	37.27	146.46
<b>21 22 16 00-0013</b>			<b>Nozzles, Sapphire® Fire Suppression Systems</b> (21 22 16 00-0002)		
21 22 16 00-0014	EA		1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515).....	141.89	12.21
21 22 16 00-0015	EA		3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516).....	145.44	12.21
21 22 16 00-0016	EA		1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517).....	154.35	12.21
21 22 16 00-0017	EA		1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518).....	160.58	12.21
21 22 16 00-0018	EA		1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519).....	169.48	12.21
21 22 16 00-0019	EA		2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520).....	196.17	12.21
21 22 16 00-0020	EA		1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602).....	141.89	12.21
21 22 16 00-0021	EA		3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603).....	145.44	12.21
21 22 16 00-0022	EA		1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604).....	154.35	12.21
21 22 16 00-0023	EA		1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605).....	160.58	12.21
21 22 16 00-0024	EA		1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606).....	169.48	12.21
21 22 16 00-0025	EA		2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607).....	196.17	12.21
<b>21 22 16 00-0026</b>			<b>Actuation Attachments, Sapphire® Fire Suppression System</b> (21 22 16 00-0002)		
21 22 16 00-0027	EA		7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810).....	12.81	3.66
21 22 16 00-0028	EA		7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811).....	14.34	3.66
21 22 16 00-0029	EA		1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338).....	19.59	8.55
21 22 16 00-0030	EA		16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597).....	46.05	10.94
21 22 16 00-0031	EA		32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142).....	68.14	10.94
21 22 16 00-0032	EA		42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815).....	82.23	10.94
21 22 16 00-0033	EA		24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336).....	40.96	10.94
21 22 16 00-0034	EA		Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	285.16	97.64
21 22 16 00-0035	EA		Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549).....	274.60	73.24
21 22 16 00-0036	EA		Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	616.22	97.64
<b>21 22 16 00-0037</b>			<b>Nameplates, Sapphire® Fire Suppression Systems</b> (21 22 16 00-0002)		
21 22 16 00-0038	EA		Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580).....	45.78	12.21
21 22 16 00-0039	EA		Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581).....	49.79	12.21
<b>21 22 16 00-0040</b>			<b>Cylinder Bracketing, Sapphire® Fire Suppression Systems</b> (21 22 16 00-0002)		
21 22 16 00-0041	EA		Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085).....	140.88	36.61
21 22 16 00-0042	EA		Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085).....	148.88	36.61
21 22 16 00-0043	EA		Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336).....	159.12	36.61
<b>21 22 16 00-0044</b>			<b>Check Valves, Sapphire® Fire Suppression Systems</b> (21 22 16 00-0002)		
21 22 16 00-0045	EA		1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566).....	379.24	38.86
21 22 16 00-0046	EA		2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568).....	532.94	66.69
<b>21 22 16 00-0047</b>			<b>Discharge Hose, Sapphire® Fire Suppression Systems</b> (21 22 16 00-0002)		
21 22 16 00-0048	EA		1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539).....	119.12	24.42
21 22 16 00-0049	EA		2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538).....	446.63	24.42
21 22 16 00-0050	EA		3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990).....	376.31	24.42
21 22 16 00-0051	EA		3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841).....	1,644.08	97.64
<b>21 22 16 00-0052</b>			<b>Swivel Adaptors, Sapphire® Fire Suppression Systems</b> (21 22 16 00-0002)		
21 22 16 00-0053	EA		1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557).....	42.76	17.09
21 22 16 00-0054	EA		2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558).....	76.03	17.09
21 22 16 00-0055	EA		3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471).....	211.31	12.21
21 22 16 00-0056	EA		3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470).....	273.10	12.21
<b>21 22 16 00-0057</b>			<b>Pressure Switches, Sapphire® Fire Suppression Systems</b> (21 22 16 00-0002)		
21 22 16 00-0058	EA		Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585).....	156.82	48.82
21 22 16 00-0059	EA		Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156).....	157.59	20.50
21 22 16 00-0060	EA		Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250).....	485.02	85.43
<b>21 22 16 00-0061</b>			<b>Level Indicators, Sapphire® Fire Suppression Systems</b> (21 22 16 00-0002)		
21 22 16 00-0062	EA		Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277).....	566.34	17.09
21 22 16 00-0063	EA		Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278).....	593.05	17.09
21 22 16 00-0064	EA		Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589).....	635.27	24.42
<b>21 22 16 00-0065</b>			<b>Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems</b> (21 22 16 00-0002)		
21 22 16 00-0066	EA		Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342).....	43.53	14.65
21 22 16 00-0067	EA		Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642).....	54.54	17.09



<b>Fire Suppression</b>	<b>21</b>	<b>12</b>
<b>Fire-Extinguishing Systems</b>	<b>21 20</b>	
<b>Clean-Agent Fire-Extinguishing Systems</b>	<b>21 22</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0068 EA Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579) .....	182.23	73.24
21 22 16 00-0069 EA 1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576) .....	212.76	73.24
21 22 16 00-0070 EA 2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592) .....	238.12	73.24
21 22 16 00-0071 EA 3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891) .....	320.00	73.24
<b>21 22 16 00-0072 Replacement Parts, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0073 EA O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559) .....	51.85	19.53
21 22 16 00-0074 EA Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553) .....	85.38	12.21
21 22 16 00-0075 EA Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053) .....	115.13	24.42
21 22 16 00-0076 EA Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543) .....	303.86	97.64
21 22 16 00-0077 EA Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551) .....	459.59	97.64
21 22 16 00-0078 EA 1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535) .....	1,551.52	97.64
<b>21 22 16 00-0079 Inergen® Fire Suppression System (21 22 16 00-0001)</b>		
<b>21 22 16 00-0080 Actuation Attachments, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0081 EA Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082) .....	166.74	24.18
21 22 16 00-0082 EA Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958) .....	193.87	25.99
21 22 16 00-0083 EA Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309) .....	346.85	47.04
21 22 16 00-0084 EA Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876) .....	697.58	107.13
<b>21 22 16 00-0085 Check Valves, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0086 EA 2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794) .....	1,679.95	141.39
<b>21 22 16 00-0087 Components, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0088 EA 1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378) .....	49.54	7.41
21 22 16 00-0089 EA Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700) .....	582.52	79.45
21 22 16 00-0090 EA 30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169) .....	1,813.37	248.58
21 22 16 00-0091 EA 60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170) .....	1,728.36	253.24
<b>21 22 16 00-0092 Cylinders, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093 EA 200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147) .....	1,512.23	227.50
21 22 16 00-0094 EA 250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148) .....	1,715.43	257.75
21 22 16 00-0095 EA 350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620) .....	2,454.58	334.01
21 22 16 00-0096 EA 435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150) .....	2,456.65	408.16
21 22 16 00-0097 EA 250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257) .....	1,774.47	287.39
21 22 16 00-0098 EA 350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621) .....	2,514.06	363.77
21 22 16 00-0099 EA 435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259) .....	2,595.15	438.60
<b>21 22 16 00-0100 Inspection/Maintenance Devices, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0101 EA CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657) .....	57.08	8.27
21 22 16 00-0102 EA CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181) .....	57.08	8.27
21 22 16 00-0103 EA CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954) .....	68.84	9.19
21 22 16 00-0104 EA Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923) .....	1,087.62	157.87
<b>21 22 16 00-0105 Multiple Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0106 EA 13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502) .....	18.31	2.42
Note: For single row 435 cubic foot cylinders.		
21 22 16 00-0107 EA 27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503) .....	25.99	3.45
Note: For double row 435 cubic foot cylinders.		
<b>21 22 16 00-0108 Nameplates, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0109 EA Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265) .....	20.19	2.70
21 22 16 00-0110 EA Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266) .....	18.66	2.70
<b>21 22 16 00-0111 Nozzle Deflector Shields, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0112 EA 1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708) .....	81.15	11.65
21 22 16 00-0113 EA 3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711) .....	85.15	12.20
21 22 16 00-0114 EA 1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714) .....	98.93	14.09
21 22 16 00-0115 EA 1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717) .....	110.28	15.91
21 22 16 00-0116 EA 1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720) .....	126.50	18.29
<b>21 22 16 00-0117 Nozzles, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0118 EA 1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908) .....	124.29	18.03
21 22 16 00-0119 EA 3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723) .....	128.94	18.57
21 22 16 00-0120 EA 1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362) .....	118.94	17.19
21 22 16 00-0121 EA 3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363) .....	121.82	18.57
21 22 16 00-0122 EA 1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364) .....	141.41	20.42



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TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

21 22 16 00-0123	EA	1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365).....	151.17	21.74
21 22 16 00-0124	EA	1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366).....	162.74	23.33
21 22 16 00-0125	EA	2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155).....	280.14	40.83
21 22 16 00-0126	EA	2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156).....	370.39	53.56
21 22 16 00-0127	EA	3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137).....	403.77	58.87
21 22 16 00-0128	EA	1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138).....	144.74	21.20
21 22 16 00-0129	EA	3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139).....	170.73	24.82
21 22 16 00-0130	EA	1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140).....	140.51	20.42
21 22 16 00-0131	EA	3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141).....	150.08	21.64
21 22 16 00-0132	EA	1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142).....	151.40	21.74
21 22 16 00-0133	EA	1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143).....	182.76	26.41
21 22 16 00-0134	EA	1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157).....	196.98	28.63
21 22 16 00-0135	EA	2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144).....	302.37	43.95
21 22 16 00-0136	EA	2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145).....	353.05	51.45
21 22 16 00-0137	EA	3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146).....	386.85	56.21
<b>21 22 16 00-0138</b>		<b>Pressure Reducers, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0139	EA	1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677).....	162.74	23.33
21 22 16 00-0140	EA	3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678).....	199.67	29.06
21 22 16 00-0141	EA	1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679).....	214.77	31.29
21 22 16 00-0142	EA	1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680).....	302.37	43.95
21 22 16 00-0143	EA	1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681).....	330.37	48.15
21 22 16 00-0144	EA	2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682).....	388.18	56.21
21 22 16 00-0145	EA	2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057).....	451.32	65.92
21 22 16 00-0146	EA	3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058).....	533.58	77.96
21 22 16 00-0147	EA	2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823).....	680.54	153.80
21 22 16 00-0148	EA	3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824).....	876.21	180.32
21 22 16 00-0149	EA	4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825).....	1,121.02	302.30
21 22 16 00-0150	EA	2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847).....	663.62	153.80
21 22 16 00-0151	EA	3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848).....	734.57	107.42
21 22 16 00-0152	EA	4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849).....	1,121.02	302.30
21 22 16 00-0153	EA	2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853).....	677.86	153.80
21 22 16 00-0154	EA	3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854).....	763.48	111.64
21 22 16 00-0155	EA	4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855).....	1,099.66	302.30
<b>21 22 16 00-0156</b>		<b>Pressure Switches, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0157	EA	3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344).....	764.45	117.21
<b>21 22 16 00-0158</b>		<b>Releasing Device Equipment, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0159	EA	12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728).....	1,253.47	181.83
21 22 16 00-0160	EA	24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492).....	1,784.03	242.30
21 22 16 00-0161	EA	120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525).....	1,891.24	246.48
21 22 16 00-0162	EA	Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310).....	88.48	12.53
21 22 16 00-0163	EA	LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373).....	103.79	16.60
21 22 16 00-0164	EA	Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939).....	1,012.99	129.73
<b>21 22 16 00-0165</b>		<b>Replacement Orifice Plates, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0166	EA	1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095).....	110.74	12.32
21 22 16 00-0167	EA	3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096).....	116.07	12.97
21 22 16 00-0168	EA	1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097).....	121.86	13.19
21 22 16 00-0169	EA	1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098).....	130.75	13.63
21 22 16 00-0170	EA	1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099).....	136.09	14.95
21 22 16 00-0171	EA	2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100).....	136.75	16.16
21 22 16 00-0172	EA	2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984).....	300.13	43.31
21 22 16 00-0173	EA	3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985).....	302.81	43.76
21 22 16 00-0174	EA	4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986).....	388.18	56.06
<b>21 22 16 00-0175</b>		<b>Single Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0176	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704).....	141.41	20.42
21 22 16 00-0177	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705).....	194.23	46.67
		Note: Includes saddle, padding and fasteners.		
<b>21 22 16 00-0178</b>		<b>Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0179	EA	2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856).....	367.90	30.18
		Note: Includes gasket and fasteners.		
21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857).....	309.93	45.06
		Note: Includes gasket and fasteners.		





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21 22 16 00-0181 EA 4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858) .....	628.04	302.30
Note: Includes gasket and fasteners.		
21 22 16 00-0182 EA 2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859) .....	194.32	28.18
Note: Includes gasket and fasteners.		
21 22 16 00-0183 EA 3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860) .....	228.10	32.88
Note: Includes gasket and fasteners.		
21 22 16 00-0184 EA 4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861) .....	623.55	302.30
Note: Includes gasket and fasteners.		
21 22 16 00-0185 EA 2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862) .....	202.31	29.52
Note: Includes gasket and fasteners.		
21 22 16 00-0186 EA 3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863) .....	237.01	34.40
Note: Includes gasket and fasteners.		
21 22 16 00-0187 EA 4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864) .....	645.79	302.30
Note: Includes gasket and fasteners.		
21 22 16 00-0188 EA 2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828) .....	39.54	2.24
Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0189 EA 3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829) .....	39.98	2.46
Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0190 EA 4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830) .....	43.07	2.91
Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
<b>21 22 16 00-0191 Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System</b>		
<i>(21 22 16 00-0079)</i>		
21 22 16 00-0192 EA Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508) .....	24.77	3.59
21 22 16 00-0193 EA Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027) .....	203.66	27.27
21 22 16 00-0194 EA 85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592) .....	152.07	27.27
Note: Includes upright, left, right and center.		
<b>21 22 16 00-0195 Autopulse® Fire Detection And Control Equipment</b>		
<i>(21 22 16 00-0001)</i>		
<b>21 22 16 00-0196 Accessory Switches, Autopulse® Fire Detection And Control Equipment</b>		
<i>(21 22 16 00-0195)</i>		
21 22 16 00-0197 EA Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495) .....	159.63	23.53
21 22 16 00-0198 EA Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494) .....	181.43	26.82
21 22 16 00-0199 EA Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497) .....	230.76	34.08
21 22 16 00-0200 EA Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496) .....	248.56	36.72
21 22 16 00-0201 EA Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499) .....	311.25	46.18
21 22 16 00-0202 EA Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498) .....	331.27	49.03
21 22 16 00-0203 EA Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956) .....	634.97	94.55
21 22 16 00-0204 EA Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490) .....	51.11	7.04
<b>21 22 16 00-0205 Alarm Devices, Autopulse® Fire Detection And Control Equipment</b>		
<i>(21 22 16 00-0195)</i>		
21 22 16 00-0206 EA Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698) .....	138.29	20.45
21 22 16 00-0207 EA Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699) .....	202.76	29.91
21 22 16 00-0208 EA Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702) .....	18.49	2.72
<b>21 22 16 00-0209 Annunciators, Autopulse® Fire Detection And Control Equipment</b>		
<i>(21 22 16 00-0195)</i>		
21 22 16 00-0210 EA 80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492) .....	1,593.37	237.24
21 22 16 00-0211 EA 16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496) .....	1,335.71	198.76
21 22 16 00-0212 EA 16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497) .....	1,036.89	154.35
21 22 16 00-0213 EA 32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500) .....	903.08	134.34
21 22 16 00-0214 EA Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501) .....	903.08	134.34
21 22 16 00-0215 EA Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502) .....	723.44	107.52
21 22 16 00-0216 EA Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650) .....	1,335.71	198.76
21 22 16 00-0217 EA 24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651) .....	271.67	40.24
21 22 16 00-0218 EA 48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652) .....	340.59	50.57
21 22 16 00-0219 EA 8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653) .....	682.97	101.58
21 22 16 00-0220 EA Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660) .....	115.39	17.04
21 22 16 00-0221 EA Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576) .....	156.95	23.53
Note: For up to 4 LDM modules.		
21 22 16 00-0222 EA Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657) .....	271.68	40.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>21 22 16 00-0223</b> <b>Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0224 EA CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586) .....	211.20	32.76
21 22 16 00-0225 EA REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639) .....	13.07	2.24
21 22 16 00-0226 EA REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640) .....	90.94	2.72
21 22 16 00-0227 EA REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765) .....	14.14	2.72
<b>21 22 16 00-0228</b> <b>Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0229 EA Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564) .....	469.52	73.44
21 22 16 00-0230 EA Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566) .....	281.46	43.76
<b>21 22 16 00-0231</b> <b>Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0232 EA 7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692) .....	207.28	28.14
21 22 16 00-0233 EA 12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693) .....	433.51	59.58
21 22 16 00-0234 EA 18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694) .....	489.23	67.50
21 22 16 00-0235 EA 25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695) .....	639.14	82.23
21 22 16 00-0236 EA 55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997) .....	1,030.89	142.70
21 22 16 00-0237 EA BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578) .....	154.30	22.65
21 22 16 00-0238 EA BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079) .....	275.68	40.89
Note: Holds six XP5 modules or 25AH battery pack.		
21 22 16 00-0239 EA BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410) .....	560.70	83.33
Note: For mounting in BB-55 battery box.		
21 22 16 00-0240 EA Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207) .....	1,630.06	242.74
Note: For mounting in BB-55 battery box.		
21 22 16 00-0241 EA 120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563) .....	1,192.08	177.43
<b>21 22 16 00-0242</b> <b>Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0243 EA Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097) .....	125.61	18.80
21 22 16 00-0244 EA Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098) .....	117.38	18.69
21 22 16 00-0245 EA Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480) .....	159.17	26.82
21 22 16 00-0246 EA 2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100) .....	236.11	34.96
21 22 16 00-0247 EA NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101) .....	183.63	28.36
21 22 16 00-0248 EA Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102) .....	172.52	27.27
21 22 16 00-0249 EA Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487) .....	27.48	4.35
21 22 16 00-0250 EA Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125) .....	101.38	15.39
21 22 16 00-0251 EA Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066) .....	101.38	14.95
21 22 16 00-0252 EA HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067) .....	36.36	12.32
21 22 16 00-0253 EA Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138) .....	9.32	1.36
Note: Converts BX501 to low profile base.		
21 22 16 00-0254 EA Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945) .....	97.59	14.40
21 22 16 00-0255 EA EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699) .....	57.18	8.49
21 22 16 00-0256 EA XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078) .....	154.73	22.43
21 22 16 00-0257 EA BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080) .....	80.92	11.87
<b>21 22 16 00-0258</b> <b>Manual Pull Stations, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0259 EA Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661) .....	23.29	3.19
21 22 16 00-0260 EA Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336) .....	14.43	1.75



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0261		<b>Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0262	EA	Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470) ..... Note: Includes municipal box and remote station connection.	202.76	29.91
21 22 16 00-0263	EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471) .....	609.63	85.97
21 22 16 00-0264	EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411) .....	1,164.09	173.26
21 22 16 00-0265	EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635).....	31.04	4.49
21 22 16 00-0266		<b>Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0001)</small>		
21 22 16 00-0267		<b>Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0268	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482).....	157.73	21.11
21 22 16 00-0269	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379).....	343.95	31.82
21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374) .....	877.33	123.12
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375) .....	877.33	123.12
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376) .....	1,318.18	184.69
		Note: Includes housing and battery cab.		
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377) .....	1,318.18	184.69
		Note: Includes housing and battery cab.		
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378) .....	1,924.98	235.26
21 22 16 00-0275		<b>Blank Plates, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459) .....	28.29	3.96
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458) .....	42.63	3.96
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484) .....	61.90	7.48
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446) .....	96.34	8.36
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447) .....	121.29	16.71
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480) .....	224.48	21.11
21 22 16 00-0282		<b>Detectors, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350)..... Note: Includes 3 blank plates.	6,627.86	1,033.39
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354) .....	8,455.55	1,275.24
		Note: Includes centrally mounted LCD programmer module and standard display.		
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356) .....	7,645.97	1,165.31
		Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357) .....	10,629.96	1,539.09
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358) .....	11,191.70	1,627.04
21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359) .....	10,747.03	1,561.07
		Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.		
21 22 16 00-0289	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360) .....	11,350.19	1,649.02
		Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.		
21 22 16 00-0290	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361) .....	11,674.90	1,714.98
		Note: Includes 2 blank plates and scan display module at far right.		
21 22 16 00-0291	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363).....	12,181.75	1,802.94
		Note: Includes 2 blank plates and scanner display.		
21 22 16 00-0292	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365).....	12,804.03	1,890.88
		Note: Includes centrally mounted programmer module.		
21 22 16 00-0293	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367).....	13,350.94	1,978.83
		Note: Includes centrally mounted LCD programmer module and scanner display module.		
21 22 16 00-0294	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369).....	12,546.04	1,802.94
		Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0295		<b>Displays, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381)..... Note: Includes a remote termination card and 7 relays.	2,014.58	241.85
21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385)..... Note: Includes a remote termination card and 7 relays.	2,024.38	241.85
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383)..... Note: Includes a remote termination card without relays.	1,824.48	219.87
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387) .....	1,835.86	219.87
		Note: Includes a remote termination card.		
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389)..... Note: Includes a remote termination card and 12 relays.	2,269.04	263.85
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391).....	1,928.35	228.67

**21 Fire Suppression****21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0302	EA		VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393).....	2,111.02	256.81
<b>21 22 16 00-0303</b>			<b>Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0304	EA		LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370) .....	5,069.12	725.57
21 22 16 00-0305	EA		LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372) .....	4,174.33	580.46
21 22 16 00-0306	EA		Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380) .....	1,476.30	219.87
21 22 16 00-0307	EA		VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395) .....	1,062.37	142.92
21 22 16 00-0308	EA		System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399) .....	1,479.98	192.60
21 22 16 00-0309	EA		PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442).....	2,209.22	237.46
			Note: Interface connects PC and LaserPLUS system.		
21 22 16 00-0310	EA		Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443) .....	279.14	35.62
21 22 16 00-0311	EA		Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444) .....	1,866.11	219.87
21 22 16 00-0312	EA		Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460) .....	1,333.60	182.49
21 22 16 00-0313	EA		VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463) .....	1,047.31	140.71
21 22 16 00-0314	EA		Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461).....	1,335.73	182.49
21 22 16 00-0315	EA		Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464).....	1,333.60	182.49
21 22 16 00-0316	EA		Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487) .....	1,318.39	171.50
21 22 16 00-0317	EA		Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466).....	156.96	15.39
21 22 16 00-0318	EA		Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467).....	6,370.52	844.30
21 22 16 00-0319	EA		Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470) .....	11,100.85	1,477.52
21 22 16 00-0320	EA		Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475) .....	867.31	109.94
21 22 16 00-0321	EA		Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477) .....	19.73	2.20
21 22 16 00-0322	EA		Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478).....	11.11	0.44
21 22 16 00-0323	EA		US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481) .....	477.89	63.76
21 22 16 00-0324	EA		Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483).....	578.98	77.39
21 22 16 00-0325	EA		Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486) .....	835.80	112.14
21 22 16 00-0326	EA		RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488) .....	123.16	16.71
21 22 16 00-0327	EA		Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502).....	19.27	3.52
<b>21 22 16 00-0328</b>			<b>Labels And Decals, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0329	EA		Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509) .....	17.48	2.64
21 22 16 00-0330	EA		Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505).....	18.38	3.07
21 22 16 00-0331	EA		Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506) .....	28.29	3.96
21 22 16 00-0332	EA		Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507) .....	28.34	3.96
21 22 16 00-0333	EA		Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508) .....	102.73	14.95
<b>21 22 16 00-0334</b>			<b>Mounting Hardware, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0335	EA		Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456) .....	253.52	31.66
21 22 16 00-0336	EA		Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472) .....	341.55	42.21
21 22 16 00-0337	EA		Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471) .....	349.55	46.18
21 22 16 00-0338	EA		Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457) .....	848.53	65.96
21 22 16 00-0339	EA		Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445).....	1,250.62	145.12
<b>21 22 16 00-0340</b>			<b>Pipe And Fittings, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0341	LF		3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491) .....	4.80	1.39
21 22 16 00-0342	EA		3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497) .....	8.08	2.79
21 22 16 00-0343	EA		3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494) .....	22.00	8.37
21 22 16 00-0344	EA		3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493) .....	22.81	8.37
21 22 16 00-0345	EA		3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495) .....	15.77	5.58
21 22 16 00-0346	EA		3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496) .....	25.60	8.37
21 22 16 00-0347	EA		3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498) .....	33.90	12.55
21 22 16 00-0348	EA		3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499) .....	42.70	14.73
21 22 16 00-0349	LF		1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500).....	4.63	1.59
21 22 16 00-0350	EA		Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479).....	18.43	4.84



<b>Fire Suppression</b>	<b>21</b>	
<b>Fire-Extinguishing Systems</b>	<b>21 20</b>	<b>12</b>
<b>Clean-Agent Fire-Extinguishing Systems</b>	<b>21 22</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0351	EA		Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503) .....	22.40	3.52
21 22 16 00-0352	EA		Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504) .....	32.11	4.84
<b>21 22 16 00-0353</b>			<b>Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0354	EA		VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396) .....	1,463.00	168.86
			Note: Remote box includes 7 relays for VLP/VLC.		
21 22 16 00-0355	EA		VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490).....	1,492.23	194.37
21 22 16 00-0356	EA		12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485).....	903.28	118.73
21 22 16 00-0357	EA		RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489).....	1,032.05	134.12
21 22 16 00-0358	EA		VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397) .....	1,463.00	168.86
			Note: Remote box includes 7 relays for VLS.		
21 22 16 00-0359	EA		VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398) .....	1,765.02	194.37
			Note: Remote box includes 12 relays for VLS.		
21 22 16 00-0360	EA		Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468).....	500.89	59.80
21 22 16 00-0361	EA		Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469).....	753.45	91.46
21 22 16 00-0362	EA		7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474).....	1,419.79	189.09
21 22 16 00-0363	EA		12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476).....	2,082.83	277.04
<b>21 22 16 00-0364</b>			<b>Preferred® Low Pressure CO2 System</b> <small>(21 22 16 00-0001)</small>		
<b>21 22 16 00-0365</b>			<b>Manual Pull Stations, Preferred® Low Pressure CO2 System</b> <small>(21 22 16 00-0364)</small>		
21 22 16 00-0366	EA		Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658) .....	112.46	15.39
			Note: Excludes FMM-101.		
21 22 16 00-0367	EA		Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659).....	84.12	11.43
<b>21 22 16 00-0368</b>			<b>Industrial Fire Control System</b> <small>(21 22 16 00-0001)</small>		
<b>21 22 16 00-0369</b>			<b>Alarm Devices, Industrial Fire Control System</b> <small>(21 22 16 00-0368)</small>		
21 22 16 00-0370	EA		Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947) .....	2,723.43	405.66
21 22 16 00-0371	EA		6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751).....	83.16	9.32
21 22 16 00-0372	EA		24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697) .....	82.26	12.10
21 22 16 00-0373	EA		Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700) .....	49.00	7.26
21 22 16 00-0374	EA		Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701) .....	20.02	2.94
<b>21 22 16 00-0375</b>			<b>Manual Pull Stations, Industrial Fire Control System</b> <small>(21 22 16 00-0368)</small>		
21 22 16 00-0376	EA		SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655).....	92.93	12.75
21 22 16 00-0377	EA		DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656).....	131.02	18.03
21 22 16 00-0378	EA		Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657) .....	1,023.00	141.60
21 22 16 00-0379	EA		Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660).....	29.74	4.09
21 22 16 00-0380	EA		Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654).....	13.34	1.82
<b>21 22 16 00-0381</b>			<b>Marine Fire Control System</b> <small>(21 22 16 00-0001)</small>		
<b>21 22 16 00-0382</b>			<b>Alarm Devices, Marine Fire Control System</b> <small>(21 22 16 00-0381)</small>		
21 22 16 00-0383	EA		Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747) .....	53.90	7.39
21 22 16 00-0384	EA		6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805) .....	99.35	14.29
21 22 16 00-0385	EA		10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806) .....	99.35	14.29
<b>21 22 16 00-0386</b>			<b>FM200 System Equipment</b> <small>(21 22 16)</small>		
21 22 16 00-0387	EA		26 LB Cylinder, Filled, For FM200 Fire Protection system.....	3,350.72	106.07
21 22 16 00-0388	EA		44 LB Cylinder, Filled, For FM200 Fire Protection system.....	4,808.08	121.45
21 22 16 00-0389	EA		63 LB Cylinder, Filled, For FM200 Fire Protection system.....	5,707.54	143.19
21 22 16 00-0390	EA		101 LB Cylinder, Filled, For FM200 Fire Protection system.....	7,567.64	169.71
21 22 16 00-0391	EA		196 LB Cylinder, Filled, For FM200 Fire Protection system.....	11,837.29	212.14
21 22 16 00-0392	EA		Electro/Mechanical Release, For FM200 Fire Protection system .....	709.61	212.14
21 22 16 00-0393	EA		Manual Pull Station, For FM200 Fire Protection system .....	248.05	70.54
21 22 16 00-0394	EA		Pneumatic Damper Release, For FM200 Fire Protection system.....	308.18	53.04
21 22 16 00-0395	LB		FM200 Gas .....	25.93	
21 22 16 00-0396	EA		Master Cylinder, For FM200 Fire Protection system.....	5,485.69	57.06
21 22 16 00-0397	EA		Shuttle Check Valve, For FM200 Fire Protection system .....	776.83	79.76
21 22 16 00-0398	EA		Flex Head Cylinder, For FM200 Fire Protection system .....	773.21	85.50
21 22 16 00-0399	EA		Nozzles, For FM200 Fire Protection system.....	191.24	30.23
21 22 16 00-0400	EA		Cylinder Support, For FM200 Fire Protection system.....	220.76	57.06
21 22 16 00-0401	EA		Solenoid Valve, For FM200 Fire Protection system.....	1,005.68	85.50
21 22 16 00-0402	EA		Battery Back-Up, For FM200 Fire Protection system.....	732.99	225.50
21 22 16 00-0403	EA		Control Panel, Single Zone, For FM200 Fire Protection system .....	3,938.22	423.64
21 22 16 00-0404	EA		Control Panel, Multi Zone, For FM200 Fire Protection system .....	6,356.88	848.24

<b>21</b>	<b>Fire Suppression</b>
<b>21 20</b>	<b>Fire-Extinguishing Systems</b>
<b>21 22</b>	<b>Clean-Agent Fire-Extinguishing Systems</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

21 22 16 00-0405	EA	Smoke Or Heat Detector, For FM200 Fire Protection system.....	308.62	85.50
21 22 16 00-0406	EA	Annunciator, For FM200 Fire Protection system.....	3,192.69	321.07
21 22 16 00-0407	EA	Pressure Switch, For FM200 Fire Protection system.....	336.04	85.50
21 22 16 00-0408	EA	Alarm Horn, For FM200 Fire Protection system.....	305.97	85.50
21 22 16 00-0409	EA	Testing, For FM200 Fire Protection system.....	1,431.99	
21 22 16 00-0410	EA	Abort Switch, For FM200 Fire Protection system.....	214.44	39.77

## 21 23 Wet-Chemical Fire-Extinguishing Systems (21 20)

### 21 23 16 Wet-Chemical Fire-Extinguishing Equipment (21 23)

21 23 16 00-0001 Kidde Fire Systems (21 23 16)  
Note: Kidde or equal.

21 23 16 00-0002 Cylinders And Hardware (21 23 16 00-0001)

21 23 16 00-0003	EA	125 Cylinder And Valve Assembly With 1.25 Gallon Of Wet Agent.....	964.39	87.87
21 23 16 00-0004	EA	260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent.....	1,105.44	109.45
21 23 16 00-0005	EA	400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent.....	1,354.26	135.04
21 23 16 00-0006	EA	600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent.....	1,598.97	160.23
21 23 16 00-0007	EA	Discharge Adapter Kit (One Required Per Cylinder).....	54.16	4.59
21 23 16 00-0008	EA	System Valve Actuator.....	193.99	18.26
21 23 16 00-0009	EA	Vent Plug.....	36.31	3.71
21 23 16 00-0010	EA	Gauge Shield.....	86.66	9.77
21 23 16 00-0011	EA	125 Cylinder Wall Mounting Bracket.....	99.86	9.77
21 23 16 00-0012	EA	260 Cylinder Wall Mounting Bracket.....	105.86	10.35
21 23 16 00-0013	EA	400S And M Cylinder Wall Mounting Bracket.....	201.27	19.53
21 23 16 00-0014	EA	600 And 400M Cylinder Shelf Bracket.....	196.90	22.17
21 23 16 00-0015	EA	600 And 400M Cylinder Floor Mounting Kit.....	257.33	22.22
21 23 16 00-0016	EA	125 And 260 Cylinder Replacement Bracket Strap.....	34.70	
21 23 16 00-0017	EA	400 And 600 Cylinder Replacement Bracket Strap.....	36.62	

21 23 16 00-0018 Nozzles And Accessories (21 23 16 00-0001)

21 23 16 00-0019	EA	ADP, F, GRW Or R Nozzle.....	89.50	8.98
21 23 16 00-0020	EA	LPF Or DM Nozzle.....	97.53	8.98
21 23 16 00-0021	EA	LPR Nozzle.....	114.08	8.98
21 23 16 00-0022	EA	3/8" Swivel Adapter For Nozzles.....	67.27	6.35
21 23 16 00-0023	EA	Removal And Replacement Of Nozzle Seals.....	10.59	
21 23 16 00-0024	EA	Chrome Nozzle Disc Cap.....	6.53	0.58
21 23 16 00-0025	EA	LPR Nozzle Disc Cap.....	33.21	8.93

21 23 16 00-0026 Control Systems (21 23 16 00-0001)

21 23 16 00-0027	EA	XV Control System.....	1,097.27	58.59
Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.				
21 23 16 00-0028	EA	7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System).....	92.41	9.77
21 23 16 00-0029	EA	24" High Pressure Hose.....	109.68	9.77
21 23 16 00-0030	EA	60" High Pressure Hose.....	148.04	9.77
21 23 16 00-0031	EA	XV Solenoid Kit (Electric Actuator), 24 Volt DC.....	213.59	19.53
21 23 16 00-0032	EA	XV Microswitch Kit, SPDT.....	70.15	9.17
21 23 16 00-0033	EA	XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release.....	75.90	9.17
21 23 16 00-0034	EA	EMT Connector Kit (EMT Connector And O-Ring).....	29.99	7.32
21 23 16 00-0035	EA	KRS-50 Control Box Assembly.....	616.55	37.83
Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.				
21 23 16 00-0036	EA	SPDT Microswitch For KRS-50.....	93.83	9.17
21 23 16 00-0037	EA	DPDT Microswitch For KRS-50.....	169.97	15.92
21 23 16 00-0038	EA	SPDT Pressure Switch (Fire Department Tie-In).....	521.26	51.07

21 23 16 00-0039 Mechanical Actuation Components (21 23 16 00-0001)

21 23 16 00-0040	EA	Universal Detector Link Housing Kit, Mechanical Actuation Systems.....	56.59	14.65
Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.				
21 23 16 00-0041	EA	XV Low Profile Link Detector Housing Kit.....	79.16	14.65
Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.				
21 23 16 00-0042	EA	XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip.....	219.00	9.77
21 23 16 00-0043	EA	XV Remote Manual Release, Pull-To-Trip.....	167.22	9.77
21 23 16 00-0044	EA	Corner Pulley, Mechanical Actuation Systems.....	26.14	2.64
21 23 16 00-0045	EA	Double Tee Pulley, Mechanical Actuation Systems.....	367.83	16.11
21 23 16 00-0046	EA	In-Line Tee Pulley, Mechanical Actuation Systems.....	43.86	4.29
21 23 16 00-0047	EA	Corner Pulley / Quik-Seal Adapter Combination.....	88.41	4.88
21 23 16 00-0048	LF	1/16" Cable, Mechanical Actuation Systems.....	2.46	0.98
21 23 16 00-0049	EA	Cable Clamp.....	12.49	0.48
21 23 16 00-0050	EA	Cable Crimp Sleeve, Mechanical Actuation Systems.....	1.66	0.39
21 23 16 00-0051	EA	"S" Hook, Mechanical Actuation Systems.....	1.59	0.39
21 23 16 00-0052	EA	1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems.....	93.60	9.08

21 23 16 00-0053 Mechanical Detection Links (21 23 16 00-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0054 EA KGS Standard Response Link.....	19.09	4.88
21 23 16 00-0055 EA KGS Rapid Response Link.....	28.40	4.88
21 23 16 00-0056 EA KFA Type "A" Fusible Link.....	24.22	4.88
21 23 16 00-0057 EA KML Type "ML" Fusible Link.....	23.20	4.88
21 23 16 00-0058 EA 500 Degree, KML Type "ML" Fusible Link.....	34.70	4.88
<b>21 23 16 00-0059 Gas Valves</b> <small>(21 23 16 00-0001)</small>		
21 23 16 00-0060 EA 3/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	429.23	21.09
21 23 16 00-0061 EA 1" NPT Mechanical Cable Operated Gas Shut-off Valve.....	466.34	25.97
21 23 16 00-0062 EA 1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	534.67	32.81
21 23 16 00-0063 EA 1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	586.23	37.78
21 23 16 00-0064 EA 2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	632.08	44.63
21 23 16 00-0065 EA 2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	1,050.69	65.22
21 23 16 00-0066 EA 3" NPT Mechanical Cable Operated Gas Shut-off Valve.....	1,172.47	75.47
21 23 16 00-0067 EA Pneumatic Release (Single Unit).....	487.63	23.82
21 23 16 00-0068 EA Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve.....	56.85	
21 23 16 00-0069 EA 1/2" Electric Solenoid Gas Shut-off Valve.....	448.77	19.63
21 23 16 00-0070 EA 3/4" Electric Solenoid Gas Shut-off Valve.....	451.72	21.09
21 23 16 00-0071 EA 1" Electric Solenoid Gas Shut-off Valve.....	699.23	25.97
21 23 16 00-0072 EA 1-1/4" Electric Solenoid Gas Shut-off Valve.....	738.65	32.81
21 23 16 00-0073 EA 1-1/2" Electric Solenoid Gas Shut-off Valve.....	848.02	37.78
21 23 16 00-0074 EA 2" Electric Solenoid Gas Shut-off Valve.....	1,091.43	44.63
21 23 16 00-0075 EA 2-1/2" Electric Solenoid Gas Shut-off Valve.....	1,807.16	65.22
21 23 16 00-0076 EA 3" Electric Solenoid Gas Shut-off Valve.....	2,272.65	75.47
21 23 16 00-0077 EA Manual Reset Relay.....	589.78	98.12
<b>21 23 16 00-0078 Liquid Tight Sealing Adapters</b> <small>(21 23 16 00-0001)</small>		
21 23 16 00-0079 EA 3/8" Tubing, Compression Seal Adapter.....	48.34	4.10
21 23 16 00-0080 EA 1/2" Tubing, 1/4" Pipe, Compression Seal Adapter.....	47.47	4.50
21 23 16 00-0081 EA 5/8" Tubing, 3/8" Pipe, Compression Seal Adapter.....	55.69	5.37
21 23 16 00-0082 EA 3/4" Tubing, 1/2" Pipe, Compression Seal Adapter.....	64.44	5.76
21 23 16 00-0083 EA 1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter.....	55.69	5.37
21 23 16 00-0084 EA 3/8" NPT Female, Quik-Seal Adapter.....	47.47	4.50
21 23 16 00-0085 EA 1/2" NPT Female, Quik-Seal Adapter.....	47.47	4.50
21 23 16 00-0086 EA 3/4" NPT Female, Quik-Seal Adapter.....	77.84	7.62
21 23 16 00-0087 EA 1" NPT Female, Quik-Seal Adapter.....	103.65	10.06
21 23 16 00-0088 EA Quik-Patch For Hole Patching Up To 1-1/8" Diameter.....	47.47	
<b>21 23 16 00-0089 Pressure Operated Releasing Systems</b> <small>(21 23 16 00-0001)</small>		
21 23 16 00-0090 EA KRS-100 Nitrogen Cylinder.....	346.43	29.49
21 23 16 00-0091 EA KRS-100 Actuator Assembly.....	309.07	30.07
21 23 16 00-0092 EA KRS-100 Mounting Bracket.....	249.24	7.42
21 23 16 00-0093 EA KRS-700S Nitrogen Cylinder.....	887.98	85.05
21 23 16 00-0094 EA KRS-700 Mounting Bracket.....	188.98	18.17
21 23 16 00-0095 EA KRS-700S Discharge Adapter Kit.....	289.99	18.17
21 23 16 00-0096 EA Check Valve, Pressure Operated Releasing Systems.....	289.15	12.89
21 23 16 00-0097 EA Vent Check, Pressure Operated Releasing Systems.....	87.16	8.21
21 23 16 00-0098 EA Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly.....	11.55	
21 23 16 00-0099 EA 3 Pole, Double Throw Pressure Switch.....	711.67	68.35
<b>21 23 16 00-0100 Pyro-Chem Kitchen Fire Suppression Systems</b> <small>(21 23 16)</small>		
<b>21 23 16 00-0101 Cylinders, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0102 EA 3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194).....	731.80	69.32
21 23 16 00-0103 EA 4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193).....	1,054.12	99.89
21 23 16 00-0104 EA 6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196).....	1,385.05	136.60
21 23 16 00-0105 EA Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053).....	150.26	16.31
21 23 16 00-0106 EA Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208).....	989.23	106.62
21 23 16 00-0107 EA Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966).....	603.99	65.03
<b>21 23 16 00-0108 Fusible Links, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0109 EA 165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522).....	19.50	2.15
21 23 16 00-0110 EA 212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523).....	19.50	2.15
21 23 16 00-0111 EA 280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524).....	19.96	2.15
21 23 16 00-0112 EA 360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525).....	19.50	2.15
21 23 16 00-0113 EA 450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526).....	19.50	2.15
21 23 16 00-0114 EA 500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527).....	21.18	2.15
21 23 16 00-0115 EA Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131).....	33.78	3.61
21 23 16 00-0116 EA Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132).....	43.86	4.79
21 23 16 00-0117 EA Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876).....	56.52	24.71
21 23 16 00-0118 EA 225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6).....	423.36	54.97
<b>21 23 16 00-0119 Gas Valves, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0120 EA 3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593).....	349.92	21.09

**21 Fire Suppression****21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0121	EA		1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594) .....	398.86	25.97
21 23 16 00-0122	EA		1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595) .....	431.24	32.81
21 23 16 00-0123	EA		1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596) .....	474.61	37.69
21 23 16 00-0124	EA		2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049) .....	546.14	44.53
21 23 16 00-0125	EA		2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185) .....	1,266.33	65.13
21 23 16 00-0126	EA		3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186) .....	1,352.16	75.38
21 23 16 00-0127	EA		3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358) .....	275.28	21.09
21 23 16 00-0128	EA		1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359) .....	467.90	25.97
21 23 16 00-0129	EA		1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360) .....	489.07	32.81
21 23 16 00-0130	EA		1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361) .....	556.69	37.69
21 23 16 00-0131	EA		2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362) .....	770.02	44.53
21 23 16 00-0132	EA		2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363) .....	1,486.46	65.13
21 23 16 00-0133	EA		3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643) .....	1,568.59	75.38
<b>21 23 16 00-0134</b>			<b>Nozzles, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0135	EA		Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem) .....	69.89	7.23
21 23 16 00-0136	EA		Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem) .....	99.09	9.17
21 23 16 00-0137	EA		Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem) .....	378.85	9.17
<b>21 23 16 00-0138</b>			<b>Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0139	EA		Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059) .....	25.81	2.83
21 23 16 00-0140	EA		PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104) .....	845.72	91.68
21 23 16 00-0141	EA		PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690) .....	1,077.73	117.27
<b>21 23 16 00-0142</b>			<b>Circuit Monitors, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0143	EA		24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303) .....	552.86	60.05
21 23 16 00-0144	EA		120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302) .....	667.07	72.35
<b>21 23 16 00-0145</b>			<b>Control Heads, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0146	EA		Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203) .....	609.97	66.20
21 23 16 00-0147	EA		Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200) .....	636.66	69.22
21 23 16 00-0148	EA		24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201) .....	829.28	90.03
21 23 16 00-0149	EA		120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202) .....	951.34	103.50
21 23 16 00-0150	EA		Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853) .....	77.27	8.40
<b>21 23 16 00-0151</b>			<b>Corner Pulleys/Tees, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0152	EA		Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670) .....	19.22	1.37
21 23 16 00-0153	EA		Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250) .....	19.84	1.75
21 23 16 00-0154	EA		Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166) .....	61.96	6.73
21 23 16 00-0155	EA		Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272) .....	0.79	
<b>21 23 16 00-0156</b>			<b>Switches, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0157	EA		SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227) .....	67.38	7.32
21 23 16 00-0158	EA		DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237) .....	134.95	14.55
21 23 16 00-0159	EA		Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978) .....	285.58	30.86
<b>21 23 16 00-0160</b>			<b>Wire Rope/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0161	LF		1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821) .....	1.39	0.29
21 23 16 00-0162	EA		Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122) .....	0.84	0.29
21 23 16 00-0163	EA		High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551) .....	3.35	0.39
21 23 16 00-0164	EA		"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121) .....	0.58	
<b>21 23 16 00-0165</b>			<b>Replacement Parts, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0166	EA		Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698) .....	64.03	7.03
21 23 16 00-0167	EA		Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831) .....	66.84	7.32
21 23 16 00-0168	EA		Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705) .....	7.83	0.88
21 23 16 00-0169	EA		225 psi, Wet Gage, Kitchen Fire Suppression Systems (Pyro-Chem 551236) .....	91.85	9.57
21 23 16 00-0170	EA		Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716) .....	12.87	1.37
21 23 16 00-0171	EA		Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707) .....	17.93	1.96
21 23 16 00-0172	EA		Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715) .....	7.83	0.88
21 23 16 00-0173	EA		Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528) .....	11.03	1.17
21 23 16 00-0174	EA		Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529) .....	10.79	1.17
21 23 16 00-0175	EA		Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530) .....	3.09	0.29
21 23 16 00-0176	EA		Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257) .....	5.22	
21 23 16 00-0177	EA		O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063) .....	99.86	
21 23 16 00-0178	EA		3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024) .....	678.85	
21 23 16 00-0179	EA		4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902) .....	881.95	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0180 EA 6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901) .....	1,018.96	
<b>21 23 16 00-0181 Accessories, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0182 EA 3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857) .....	31.35	3.32
21 23 16 00-0183 EA 1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859) .....	32.48	3.52
21 23 16 00-0184 EA Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788) .....	62.53	6.73
21 23 16 00-0185 EA Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240).....	88.48	
21 23 16 00-0186 EA 3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188).....	190.19	
<b>21 23 16 00-0187 Pull Stations/Accessories, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0188 EA Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074) .....	126.36	13.77
21 23 16 00-0189 EA Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166) .....	135.72	19.33
21 23 16 00-0190 EA Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088).....	33.78	3.61
21 23 16 00-0191 EA Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661) .....	4.62	1.27
<b>21 23 16 00-0192 Asco Gas Valve Control Panels</b> <small>(21 23 16)</small>		
21 23 16 00-0193 EA Relay Control Panel For AC Solenoid Valves (Asco 108D90C).....	2,326.94	214.81
21 23 16 00-0194 EA Relay Control Panel For DC Solenoid Valves (Asco 108D10C) .....	2,405.72	214.81
21 23 16 00-0195 EA Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89) .....	786.66	48.82
21 23 16 00-0196 EA Emergency Stop Station For Relay Control Panel (Asco 173A19) .....	735.20	48.82
<b>21 24 Dry-Chemical Fire-Extinguishing Systems</b> <small>(21 20)</small>		
<b>21 24 16 Dry-Chemical Fire-Extinguishing Equipment</b> <small>(21 24)</small>		
<b>21 24 16 00-0001 Amerex KP Restaurant Fire Suppression Systems</b> <small>(21 24 16)</small>		
<small>Note: Amerex or equal.</small>		
21 24 16 00-0002 EA 3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	596.35	75.77
21 24 16 00-0003 EA 6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	833.41	95.52
21 24 16 00-0004 EA Recharge - KP Liquid Agent (3.75 Gallon).....	197.94	
21 24 16 00-0005 EA Recharge - KP Liquid Agent (6 Gallon).....	347.95	
21 24 16 00-0006 EA 3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet.....	138.56	15.90
21 24 16 00-0007 EA 6 Gallon, Bracket Assembly Agent Cylinder .....	80.72	9.23
21 24 16 00-0008 EA 6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit .....	35.00	
21 24 16 00-0009 EA 6 Gallon, Pneumatic Actuator, Agent Cylinder.....	138.56	15.90
21 24 16 00-0010 EA MRM Actuator (Less N2 Cylinder And Enclosure) .....	347.95	39.87
21 24 16 00-0011 EA Painted Steel, MRM Enclosure .....	185.43	21.21
21 24 16 00-0012 EA Stainless Steel, MRM Enclosure.....	227.19	21.21
21 24 16 00-0013 EA Stainless Steel, Single Cylinder System Cabinet.....	552.14	63.29
21 24 16 00-0014 EA N2 - 1/4" x 16" Actuation Hose .....	41.67	4.78
21 24 16 00-0015 EA 10 CU. Inch, Nitrogen Cylinder .....	185.43	21.21
<small>Note: Use For 1-10 Agent Cylinders</small>		
21 24 16 00-0016 EA Vent Check .....	33.34	3.82
21 24 16 00-0017 EA Detector .....	25.00	2.86
<small>Note: Includes bracket, linkage and conduit fittings.</small>		
21 24 16 00-0018 EA 280 To 450 Degree F, Fusible Link.....	9.38	1.06
21 24 16 00-0019 EA Test Link.....	2.87	
21 24 16 00-0020 EA Corner Pulley.....	12.92	1.48
21 24 16 00-0021 EA 1/16", 500 Foot Spool, Cable.....	208.35	23.86
21 24 16 00-0022 EA Pulley Tee.....	93.75	10.71
21 24 16 00-0023 EA Manual Pull Station (Standard).....	83.33	9.54
21 24 16 00-0024 EA Manual Pull Station, Adapter Kit (Recess Standard Pull Station) .....	39.09	4.45
21 24 16 00-0025 EA Manual Pull Station (Oversized) .....	92.92	10.60
21 24 16 00-0026 EA Conduit Offset.....	18.54	2.12
21 24 16 00-0027 EA 3/8" Pipe Thread, Seal (Quick-Seal) .....	25.54	2.97
21 24 16 00-0028 EA 1/2" Pipe Thread, Seal (Quick-Seal) .....	20.84	2.44
21 24 16 00-0029 EA 3/8" Pipe Compression Seal.....	34.79	4.03
21 24 16 00-0030 EA 1/2" Pipe Compression Seal .....	34.79	4.03
21 24 16 00-0031 EA Cap, Nozzle Blow-Off (Standard).....	9.51	2.76
21 24 16 00-0032 EA Cap, Nozzle Blow-Off (High Temperature) .....	23.16	2.76
21 24 16 00-0033 EA 2 Flow Points, Fryer/Griddle Nozzle .....	41.67	4.78
21 24 16 00-0034 EA 1 Flow Point Each, Appliance, Plenum Nozzle .....	41.67	4.78
21 24 16 00-0035 EA Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each.....	41.67	4.78
21 24 16 00-0036 EA 1/2 Flow Points Each, Upright Charbroiler Nozzle .....	41.67	4.78
21 24 16 00-0037 EA 2 Flow Points Each, Duct (Only) Nozzle .....	41.67	4.78
21 24 16 00-0038 EA 2 Flow Points Each, Four Burner Range Nozzle.....	59.92	6.89
21 24 16 00-0039 EA 3/4" Or 1" Mechanical Gas Valve.....	334.05	28.10
21 24 16 00-0040 EA 1-1/4" Or 1-1/2" Mechanical Gas Valve .....	391.62	40.81
21 24 16 00-0041 EA 2" Mechanical Gas Valve.....	488.37	48.24
21 24 16 00-0042 EA Manual Reset Relay (Required With Every Electric Gas Valve) .....	525.04	60.12
21 24 16 00-0043 EA SPDT Microswitch With 18" Leads .....	27.63	3.18
21 24 16 00-0044 EA Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve .....	44.59	5.09
21 24 16 00-0045 EA Gas Valve Trip Assembly.....	93.75	10.71
<b>21 24 16 00-0046 Range Guard Fire Suppression Systems</b> <small>(21 24 16)</small>		
<small>Note: Range Guard or equal.</small>		

**21 Fire Suppression****21 20 Fire-Extinguishing Systems****21 24 Dry-Chemical Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0047	EA		1-1/4 Gallon Charged Cylinder With Valve .....	632.77	81.92
21 24 16 00-0048	EA		2-1/2 Gallon Charged Cylinder With Valve .....	789.87	102.23
21 24 16 00-0049	EA		4 Gallon Charged Cylinder With Valve.....	975.15	126.25
21 24 16 00-0050	EA		6 Gallon Charged Cylinder With Valve.....	1,158.27	149.88
21 24 16 00-0051	EA		Vent Plug .....	26.57	3.42
21 24 16 00-0052	EA		Discharge Adapter Kit .....	34.24	
21 24 16 00-0053	EA		1-1/4 Gallon Wall Bracket .....	70.43	9.08
21 24 16 00-0054	EA		2-1/2 Gallon Wall Bracket .....	74.54	9.67
21 24 16 00-0055	EA		4 Gallon Wall Bracket .....	140.78	18.26
21 24 16 00-0056	EA		6 Gallon Wall Bracket .....	156.02	20.21
21 24 16 00-0057	EA		Mechanical Control Head, No Microswitch .....	550.43	71.28
21 24 16 00-0058	EA		Mechanical Control Head, 1 Microswitch.....	574.27	74.30
21 24 16 00-0059	EA		Mechanical Control Head, 2 Microswitches .....	658.77	85.24
21 24 16 00-0060	EA		Tandem Control Head.....	500.59	64.84
21 24 16 00-0061	EA		Electric Control Head, 120 Volt AC / 24 Volt DC.....	847.31	109.65
21 24 16 00-0062	EA		Mechanical Control Box.....	377.06	48.82
21 24 16 00-0063	EA		Tandem Control Box.....	377.06	48.82
21 24 16 00-0064	EA		Mechanical Control Box Adapter.....	110.52	14.35
21 24 16 00-0065	EA		A+ Control head With 1 Pressure Operated Actuator .....	332.12	42.96
21 24 16 00-0066	EA		Pressure Operated Actuator .....	136.52	17.67
21 24 16 00-0067	EA		BMCS-1 Nitrogen Cylinder.....	221.04	28.61
21 24 16 00-0068	EA		BMCS-1 Actuator Assembly .....	225.37	29.19
21 24 16 00-0069	EA		BMCS-1 Mounting Bracket .....	55.26	7.13
21 24 16 00-0070	EA		BMCS-7 Nitrogen Cylinder.....	637.79	82.51
21 24 16 00-0071	EA		BMCS-7 Mounting Bracket .....	136.52	17.67
21 24 16 00-0072	EA		BMCS-7 Discharge Adapter Kit.....	136.52	17.67
21 24 16 00-0073	EA		Check Valve.....	113.35	20.99
21 24 16 00-0074	EA		Vent Check For Use With BMCS Systems .....	61.76	8.00
21 24 16 00-0075	EA		Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator .....	26.88	3.48
21 24 16 00-0076	EA		Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly.....	7.07	
21 24 16 00-0077	EA		Pneumatic Control Head For Slave Cylinders.....	140.86	18.26
21 24 16 00-0078	EA		Nozzles; ADP, F, R And GRW .....	64.57	8.40
21 24 16 00-0079	EA		Nozzles; DM And LPF.....	71.94	9.27
21 24 16 00-0080	EA		Swivel Adapter.....	45.50	5.86
21 24 16 00-0081	EA		Corner Pulley .....	19.50	2.54
21 24 16 00-0082	LF		1/16" Stainless Steel Cable.....	0.83	0.29
21 24 16 00-0083	EA		Cable Crimp Sleeve.....	1.02	0.29
21 24 16 00-0084	EA		"S" Hook.....	0.80	0.19
21 24 16 00-0085	EA		Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT.....	67.16	8.69
21 24 16 00-0086	EA		Cable Clamp.....	5.99	0.78
21 24 16 00-0087	EA		Nico Sleeves - 1/16" Cable .....	0.81	0.19
21 24 16 00-0088	EA		3/8" Cable Anchor.....	70.97	9.17
21 24 16 00-0089	EA		1/2" Cable Anchor.....	70.97	9.17
21 24 16 00-0090	EA		Mechanical Remote Manual Release (Pull Cable).....	114.80	14.84
21 24 16 00-0091	EA		Tee Pulley, Use For Mechanical Pull And Gas Valve .....	122.51	15.82
21 24 16 00-0092	EA		Surface Remote Manual Release, End-of-line.....	143.52	18.55
21 24 16 00-0093	EA		Surface Remote Manual Release, In line Conservation Kit .....	44.97	5.86
21 24 16 00-0094	EA		Surface Remote Manual Release, In line And End Of Line .....	188.44	24.31
21 24 16 00-0095	EA		Recessed Remote Manual Release, End-of-line .....	143.52	18.55
21 24 16 00-0096	EA		Recessed Remote Manual Release, In Line Kit.....	171.11	22.17
21 24 16 00-0097	EA		Pulley Tee, Remote In Line Only .....	30.76	4.00
21 24 16 00-0098	EA		Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve.....	34.15	4.40
21 24 16 00-0099	EA		Fusible Link 165F To 360F .....	11.18	1.46
21 24 16 00-0100	EA		Fusible Link 500F.....	17.85	1.46
21 24 16 00-0101	EA		Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves .....	34.14	4.40
21 24 16 00-0102	EA		Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve .....	24.90	4.40
21 24 16 00-0103	EA		Quartzoid Link 400 F.....	184.11	23.82
21 24 16 00-0104	EA		Quartzoid Link 500 F.....	184.11	23.82
21 24 16 00-0105	EA		SPDT Micro Switch For Use With A Plus Control Box .....	65.99	8.50
21 24 16 00-0106	EA		DPDT Micro Switch For Use With A Plus Control Box .....	114.79	14.84
21 24 16 00-0107	EA		SPDT Micro Switch For Use With A Mechanical Control Box.....	68.22	8.79
21 24 16 00-0108	EA		DPDT Micro Switch For Use With A Mechanical Control Box.....	118.24	15.33
21 24 16 00-0109	EA		SPDT Micro Switch For Use With PRCB .....	86.64	11.23
21 24 16 00-0110	EA		DPDT Micro Switch For Use With PRCB .....	124.98	16.11
21 24 16 00-0111	EA		Pressure Switch, SPDT (Fire Dept. Tie In) .....	366.05	47.36
21 24 16 00-0112	EA		Circuit Monitor 12 Or 24 Volt DC.....	164.61	21.29
21 24 16 00-0113	EA		Circuit Monitor 120 Volt AC.....	164.61	21.29
21 24 16 00-0114	EA		Electric Manual Pull Station .....	120.21	15.52
21 24 16 00-0115	EA		6", 24 Volt DC, Motor Bell.....	67.15	8.69
21 24 16 00-0116	EA		10", 115 Volt AC Motor Bell .....	95.31	12.30
21 24 16 00-0117	EA		Fuse, 1.2 For ECH .....	7.72	0.98
21 24 16 00-0118	EA		Indicator Lamp 12 Or 24 Volt DC.....	34.15	4.40
21 24 16 00-0119	EA		Indicator Lamp 120 Volt AC .....	34.15	4.40
21 24 16 00-0120	EA		B-10 Manual Station Dual Action, SPDT.....	125.62	16.21
21 24 16 00-0121	EA		B-11 Manual Station Dual Action, DPDT .....	138.62	17.96
21 24 16 00-0122	EA		Break Rods For B10/B11 Manual Pull Station .....	3.52	1.27
21 24 16 00-0123	EA		Spare Key For B10/B11 Manual Stations .....	17.33	2.25
21 24 16 00-0124	EA		MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill .....	186.26	24.11
21 24 16 00-0125	EA		Suppression Abort Station .....	197.11	25.48
21 24 16 00-0126	EA		Suppression Abort Station With Surface Mount Back Box.....	229.59	29.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0127 EA Surface Mount Back Box .....	75.81	9.77
21 24 16 00-0128 EA Single Hazard Control Unit, 120 Volt AC IP .....	1,407.86	181.90
21 24 16 00-0129 EA Single Hazard Control Unit, 240 Volt AC IP .....	1,407.86	181.90
21 24 16 00-0130 EA 1 Lead Acid Battery; 24 Volt DC, 1.2 A.H. ....	116.96	15.13
21 24 16 00-0131 EA Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W) .....	4.47	0.69
21 24 16 00-0132 EA Spare Scorpio Circuit Board .....	1,017.94	
21 24 16 00-0133 EA Extra Scorpio Key .....	17.33	
21 24 16 00-0134 EA Extra Scorpio Manual .....	10.83	
21 24 16 00-0135 EA Compression Seal Adapter 3/8" Pipe .....	29.45	3.81
21 24 16 00-0136 EA Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe .....	31.98	4.10
21 24 16 00-0137 EA Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe .....	38.47	4.98
21 24 16 00-0138 EA Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe .....	41.15	5.27
21 24 16 00-0139 EA Quik Seal Adapter 3/8" NPT Female .....	31.98	4.10
21 24 16 00-0140 EA Quik Seal Adapter 1/2" NPT Female .....	31.98	4.10
21 24 16 00-0141 EA Quik Seal Adapter 3/4" NPT Female .....	54.71	7.13
21 24 16 00-0142 EA Quik Seal Adapter 1" NPT Female .....	72.55	9.37
21 24 16 00-0143 EA Quik Patch (Up To 1-1/8" Diameter) .....	31.98	4.10
21 24 16 00-0144 EA 1-1/4 Gallon Karbaloy Charge .....	71.18	
21 24 16 00-0145 EA 2-1/2 Gallon Karbaloy Charge .....	122.36	
21 24 16 00-0146 EA 4 Gallon Karbaloy Charge .....	184.96	
21 24 16 00-0147 EA 6 Gallon Karbaloy Charge .....	270.65	
21 24 16 00-0148 EA Inlet Flushing Adapter .....	53.06	6.83
21 24 16 00-0149 EA 1/2" Flushing Adapter (Outlet) .....	53.06	6.83
21 24 16 00-0150 EA 1/8" Flushing Adapter (Outlet) .....	53.06	6.83
21 24 16 00-0151 EA 1/4" Flushing Adapter (Outlet) .....	53.06	6.83
21 24 16 00-0152 EA 3/8" Flushing Adapter (Outlet) .....	53.06	6.83
21 24 16 00-0153 EA Recharge Adapter (Old Style Cylinder Valve Assembly Only) .....	73.64	
21 24 16 00-0154 EA Instruction Label (In Case Of Fire) - MCB .....	5.86	
21 24 16 00-0155 EA Caution Sign (Turn On Fan) .....	7.06	
21 24 16 00-0156 EA Inspection Label (Authorized installers only) .....	4.89	
21 24 16 00-0157 EA Label, Warning, A+ Control Box .....	3.45	
21 24 16 00-0158 EA Wet Chemical System Kits, RG-1.25G Kit; #23315 .....	931.30	120.39
21 24 16 00-0159 EA Wet Chemical System Kits, RG-2.5G Kit; #23316 .....	1,087.26	140.50
21 24 16 00-0160 EA Wet Chemical System Kits, RG-4GS Kit; #23317 .....	1,353.68	174.97
21 24 16 00-0161 EA Wet Chemical System Kits, RG-4GT Kit; #23318 .....	1,353.68	174.97
21 24 16 00-0162 EA Wet Chemical System Kits, RG-6G Kit; #23319 .....	1,702.37	219.99
21 24 16 00-0163 EA Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320 .....	806.78	104.28
21 24 16 00-0164 EA Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321 .....	758.05	97.93
21 24 16 00-0165 EA Wet Chemical System Kits, A Plus Control Box Kit; #23322 .....	612.94	79.18
21 24 16 00-0166 EA Wet Chemical System Kits, Valve Rebuild Kit; #23210 .....	1,061.26	137.19
21 24 16 00-0167 EA Wet Chemical System Kits, BMCS-1 Package; #23208 .....	972.46	125.66

## 21 30 Fire Pumps <sup>(21)</sup>

### 21 31 Centrifugal Fire Pumps <sup>(21 30)</sup>

#### 21 31 13 Electric-Drive, Centrifugal Fire Pumps <sup>(21 31)</sup>

##### 21 31 13 00-0001 Electric-Drive Fire Pumps <sup>(21 31 13)</sup>

Note: Includes fire pump, motor, motor starter, alarm panel, automatic transfer switch, and controller.

21 31 13 00-0002 EA 20 HP Electric Fire Pump .....	55,286.43	1,727.22
<i>For Duplex Pumping System, Add</i>	<i>53,559.22</i>	
21 31 13 00-0003 EA 30 HP Electric Fire Pump .....	64,606.37	1,943.11
<i>For Duplex Pumping System, Add</i>	<i>62,807.19</i>	
21 31 13 00-0004 EA 40 HP Electric Fire Pump .....	88,318.18	2,159.02
<i>For Duplex Pumping System, Add</i>	<i>86,319.09</i>	
21 31 13 00-0005 EA 50 HP Electric Fire Pump .....	109,011.11	2,425.56
<i>For Duplex Pumping System, Add</i>	<i>106,585.56</i>	
21 31 13 00-0006 EA 75 HP Electric Fire Pump .....	121,728.14	2,646.07
<i>For Duplex Pumping System, Add</i>	<i>119,082.07</i>	

#### 21 31 16 Diesel-Drive, Centrifugal Fire Pumps <sup>(21 31)</sup>

##### 21 31 16 00-0001 Diesel-Drive Fire Pumps <sup>(21 31 16)</sup>

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump, motor, motor starter, alarm panel, and controller.

21 31 16 00-0002 EA 30 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	81,735.87	1,984.55
21 31 16 00-0003 EA 40 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	92,486.72	2,205.05
21 31 16 00-0004 EA 50 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	97,107.93	2,425.56
21 31 16 00-0005 EA 75 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	110,579.59	2,646.07
21 31 16 00-0006 EA 150 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	117,195.15	3,087.08
21 31 16 00-0007 EA 175 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	125,735.06	3,969.10
21 31 16 00-0008 EA 200 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	136,416.11	4,410.12
21 31 16 00-0009 EA 250 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	155,998.15	5,027.53
21 31 16 00-0010 EA 300 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	187,231.53	5,424.44
21 31 16 00-0011 EA 350 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	219,795.69	6,174.16
21 31 16 00-0012 EA 400 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	261,333.44	6,615.17
21 31 16 00-0013 EA 500 HP Diesel Driven Fire Pump, NFPA-20 Specific .....	294,531.41	7,056.19

21	<b>21</b>	<b>Fire Suppression</b>
	<b>21 30</b>	<b>Fire Pumps</b>
	21 34	Fire Pump Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 34 Fire Pump Accessories (21 30)

**21 34 13 Pressure Maintenance Pumps** (21 34)

21 34 13 00-0001 Jockey Pumps (21 34 13)

Note: Includes pump and controller.

21 34 13 00-0002	EA	Up To 3 HP, 1" Pipe Connection, Jockey Pump And Controller .....	5,600.37	441.01
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**END OF SECTION 21**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

### 22 01 Operation and Maintenance of Plumbing<sup>(22)</sup>

#### 22 01 10 Operation and Maintenance of Plumbing Piping and Pumps<sup>(22 01)</sup>

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

#### 22 01 10 61 Plumbing Piping Repairs<sup>(22 01 10)</sup>

##### 22 01 10 61-0001 Pipe Repair Clamps<sup>(22 01 10 61)</sup>

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	41.45
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	43.06
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	47.33
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	50.45
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	54.57
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	69.50
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	87.99
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	101.91
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	116.73
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	65.75
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	69.20
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	76.60
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	84.18
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	92.74
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	119.72
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	144.57
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	164.16
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	185.99
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	93.71
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	97.35
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	107.56
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	117.97
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	133.18
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	162.58
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	189.92
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	228.59
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	282.02
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	289.01
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	309.87

#### 22 01 40 Operation and Maintenance of Plumbing Fixtures<sup>(22 01)</sup>

##### 22 01 40 81 Plumbing Fixtures Replacement<sup>(22 01 40)</sup>

##### 22 01 40 81-0001 Removal And Replacement Of Fixture And/Or Trim<sup>(22 01 40 81)</sup>

Note: Includes removal of existing item(s) and installation of new item(s).

22 01 40 81-0002	EA	Removal And Replacement Of 3/8" To 1/2" Compression Shut-off Valve With 15" Polybutylene Supply Tube	55.45
22 01 40 81-0003	EA	Removal And Replacement Of 3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory	18.70
22 01 40 81-0004	EA	Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair	27.09

**22 Plumbing****22 01 Operation and Maintenance of Plumbing****22 01 40 Operation and Maintenance of Plumbing Fixtures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 01 40 81-0005	EA	Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line.....	37.69	
22 01 40 81-0006	EA	Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line.....	58.66	
22 01 40 81-0007	EA	Removal And Replacement Of Shower Head, Polished Chrome .....	38.96	
22 01 40 81-0008	EA	Removal And Replacement Of Shower Arm.....	37.71	
22 01 40 81-0009	EA	Removal And Replacement Of Shower Head.....	44.60	
22 01 40 81-0010	EA	Removal And Replacement Of Shower Knob.....	35.03	
22 01 40 81-0011	EA	Removal And Replacement Of Shower and Tub Control Trim.....	107.82	
		Note: Excludes balancing valve.		
22 01 40 81-0012	EA	Removal And Replacement Of Sink Basket Strainer .....	30.20	
22 01 40 81-0013	EA	Removal And Replacement Of 1-1/2" Sink Drain Without Stopper.....	15.94	
22 01 40 81-0014	EA	Removal And Replacement Of 4-1/2" Sink Drain Without Stopper.....	16.77	
22 01 40 81-0015	EA	Removal And Replacement Of 1-1/2" Sink Drain With Stopper.....	15.94	
22 01 40 81-0016	EA	Removal And Replacement Of 1" Sink Rubber Stopper.....	8.38	
22 01 40 81-0017	EA	Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" x 8".....	24.69	
22 01 40 81-0018	EA	Removal And Replacement Of Sink Trap, Adjustable, 1-1/2".....	41.83	
22 01 40 81-0019	EA	Removal And Replacement Of Lavatory Pop-Up Rod.....	28.77	
22 01 40 81-0020	EA	Removal And Replacement Of Lavatory Pop-up Drain Stopper.....	29.09	
22 01 40 81-0021	EA	Removal And Replacement Of Faucet Handle.....	32.74	
22 01 40 81-0022	EA	Removal And Replacement Of Faucet O-Ring.....	24.67	
22 01 40 81-0023	EA	Removal And Replacement Of 1-1/2" Faucet Hole Cover.....	19.01	
22 01 40 81-0024	EA	Removal And Replacement Of Toilet Ballcock.....	35.76	
22 01 40 81-0025	EA	Removal And Replacement Of Toilet Bowl Ring, Flat Wax.....	6.81	
		Note: Excludes removal of toilet.		
22 01 40 81-0026	EA	Removal And Replacement Of Toilet Tank.....	143.55	
22 01 40 81-0027	EA	Removal And Replacement Of 10" Toilet Bowl.....	178.26	
22 01 40 81-0028	EA	Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl.....	192.36	
22 01 40 81-0029	EA	Removal And Replacement Of 12" Toilet Bowl.....	205.97	
22 01 40 81-0030	EA	Removal And Replacement Of 18", Elongated, Toilet Bowl.....	183.00	
22 01 40 81-0031	EA	Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers.....	21.77	
22 01 40 81-0032	EA	Removal And Replacement Of Toilet Flapper With Chain.....	16.52	
22 01 40 81-0033	EA	Removal And Replacement Of Toilet Flush Tank Lever.....	17.67	
22 01 40 81-0034	EA	Removal And Replacement Of Toilet Tank Arm Lever.....	11.43	
22 01 40 81-0035	EA	Removal And Replacement Of Elongated Toilet Seat With Lid.....	96.11	
22 01 40 81-0036	EA	Removal And Replacement Of Elongated Toilet Seat Without Lid.....	94.39	
22 01 40 81-0037	EA	Removal And Replacement Of Handicap Toilet Seat, Complete With Rails.....	141.16	
22 01 40 81-0038	EA	Removal And Replacement Of Diverter Tub Spout.....	55.24	
22 01 40 81-0039	EA	Removal And Replacement Of Tub Spout.....	38.91	
22 01 40 81-0040	EA	Removal And Replacement Of 2" Tub Stopper.....	9.98	
22 01 40 81-0041	EA	Removal And Replacement Of Tub Waste/Overflow.....	69.49	
22 01 40 81-0042	EA	Removal And Replacement Of Tub Stem Bonnet Assembly.....	35.18	
22 01 40 81-0043	EA	Removal And Replacement Of Faucet Bonnet.....	39.02	
22 01 40 81-0044	EA	Removal And Replacement Of Faucet Diverter Stem.....	24.40	
22 01 40 81-0045	EA	Removal And Replacement Of Faucet Diverter Stem And Bonnet.....	32.49	
22 01 40 81-0046	EA	Removal And Replacement Of Faucet Spout.....	37.14	
22 01 40 81-0047	EA	Removal And Replacement Of Faucet Stem.....	27.19	
22 01 40 81-0048	EA	Removal And Replacement Of Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard.....	194.76	
22 01 40 81-0049	EA	Removal And Replacement Of Brass, Chrome Plated Drinking Fountain Bubbler Valve.....	244.78	
22 01 40 81-0050	EA	Removal And Replacement Of Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve.....	148.78	

**22 05 Common Work Results for Plumbing** <sup>(22)</sup>**22 05 13 Common Motor Requirements for Plumbing Equipment** <sup>(22 05)</sup>

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

**22 05 16 Expansion Fittings and Loops for Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

**22 05 17 Sleeves and Sleeve Seals for Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

**22 05 19 Meters and Gages for Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

**22 05 23 General-Duty Valves for Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 05 23 00-0000 for valves.

**22 05 29 Hangers and Supports for Plumbing Piping and Equipment** <sup>(22 05)</sup>

See CSI section 23 05 29 00-0000 for hangers and supports.

**22 05 33 Heat Tracing for Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 83 13 00-0000 for heat tracing cables.

**22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment** <sup>(22 05)</sup>**22 05 48 13 Vibration Controls for Plumbing Piping and Equipment** <sup>(22 05 48)</sup>

See CSI section 23 05 48 13-0000 for vibration and seismic control.



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**22 05 53 Identification for Plumbing Piping and Equipment** (22 05)

See CSI section 23 05 53 00-0000 for identification.

**22 05 76 Facility Drainage Piping Cleanouts** (22 05)

**22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover** (22 05 76)

Note: For floor installation.

**22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover** (22 05 76 00-0001)

22 05 76 00-0003	EA 2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	664.37	
	For Carpet Flange, Add	58.50	
	For Carpet Marker, Add	16.00	
	For Wide Flange, Add	97.00	
	For Satin Bronze Top, Deduct	-24.00	
	For Vandal Proof, Add	19.50	
	For Galvanized Ferrule, Add	45.00	
22 05 76 00-0004	EA 3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	715.87	70.72
	For Carpet Flange, Add	58.50	
	For Carpet Marker, Add	16.00	
	For Wide Flange, Add	97.00	
	For Satin Bronze Top, Deduct	-24.00	
	For Vandal Proof, Add	19.50	
	For Galvanized Ferrule, Add	45.00	
22 05 76 00-0005	EA 4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	894.45	85.46
	For Carpet Flange, Add	58.50	
	For Carpet Marker, Add	16.00	
	For Wide Flange, Add	97.00	
	For Satin Bronze Top, Deduct	-24.00	
	For Vandal Proof, Add	19.50	
	For Galvanized Ferrule, Add	45.00	
22 05 76 00-0006	EA 5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,289.44	95.63
	For Carpet Flange, Add	58.50	
	For Carpet Marker, Add	16.00	
	For Wide Flange, Add	97.00	
	For Satin Bronze Top, Deduct	-24.00	
	For Vandal Proof, Add	19.50	
	For Galvanized Ferrule, Add	45.00	
22 05 76 00-0007	EA 6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,590.16	103.58
	For Carpet Flange, Add	58.50	
	For Carpet Marker, Add	16.00	
	For Wide Flange, Add	97.00	
	For Satin Bronze Top, Deduct	-24.00	
	For Vandal Proof, Add	19.50	
	For Galvanized Ferrule, Add	45.00	

**22 05 76 00-0008 Cast Iron Heavy Duty Cleanout With Plug And Round Cover** (22 05 76 00-0001)

22 05 76 00-0009	EA 2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	767.49	
	For Carpet Flange, Add	58.50	
	For Carpet Marker, Add	16.00	
	For Wide Flange, Add	97.00	
	For Satin Bronze Top, Deduct	-24.00	
	For Vandal Proof, Add	19.50	
	For Galvanized Ferrule, Add	45.00	
22 05 76 00-0010	EA 3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	820.54	70.61
	For Carpet Flange, Add	58.50	
	For Carpet Marker, Add	16.00	
	For Wide Flange, Add	97.00	
	For Satin Bronze Top, Deduct	-24.00	
	For Vandal Proof, Add	19.50	
	For Galvanized Ferrule, Add	45.00	
22 05 76 00-0011	EA 4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	999.20	85.46
	For Carpet Flange, Add	58.50	
	For Carpet Marker, Add	16.00	
	For Wide Flange, Add	97.00	
	For Satin Bronze Top, Deduct	-24.00	
	For Vandal Proof, Add	19.50	
	For Galvanized Ferrule, Add	45.00	
22 05 76 00-0012	EA 5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,394.24	95.63
	For Carpet Flange, Add	58.50	
	For Carpet Marker, Add	16.00	
	For Wide Flange, Add	97.00	
	For Satin Bronze Top, Deduct	-24.00	
	For Vandal Proof, Add	19.50	
	For Galvanized Ferrule, Add	45.00	
22 05 76 00-0013	EA 6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,694.88	103.58
	For Carpet Flange, Add	58.50	
	For Carpet Marker, Add	16.00	
	For Wide Flange, Add	97.00	
	For Satin Bronze Top, Deduct	-24.00	
	For Vandal Proof, Add	19.50	
	For Galvanized Ferrule, Add	45.00	

**22 05 76 00-0014 Wall Cover For Cleanout** (22 05 76)

Note: Cover and screw only.

**22 Plumbing****22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0015			<b>Round Access Cover, Bronze Polished Top</b> (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0016	EA		4-1/4" Diameter Wall Cover For Cleanout, Screwed .....	97.54	17.70
			For Stainless Steel, Add	9.00	
			For Vandal Proof Screws, Add	19.50	
22 05 76 00-0017	EA		5-1/2" Diameter Wall Cover For Cleanout, Screwed .....	104.61	21.21
			For Stainless Steel, Add	9.00	
			For Vandal Proof Screws, Add	19.50	
22 05 76 00-0018	EA		7" Diameter Wall Cover For Cleanout, Screwed .....	134.46	23.86
			For Stainless Steel, Add	9.00	
			For Vandal Proof Screws, Add	19.50	
22 05 76 00-0019	EA		9-1/4" Diameter Wall Cover For Cleanout, Screwed .....	231.42	26.51
			For Stainless Steel, Add	9.00	
			For Vandal Proof Screws, Add	19.50	
22 05 76 00-0020	EA		11-1/4" Diameter Wall Cover For Cleanout, Screwed .....	351.30	29.16
			For Stainless Steel, Add	9.00	
			For Vandal Proof Screws, Add	19.50	
22 05 76 00-0021			<b>Square Wall Access Panel, Bronze Polished Top</b> (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0022	EA		7" x 7" Bronze Wall Or Floor Access Cover .....	534.03	17.70
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0023	EA		9" x 9" Bronze Wall Or Floor Access Cover .....	771.29	18.56
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0024	EA		10" x 10" Bronze Wall Or Floor Access Cover .....	824.21	19.62
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0025	EA		14" x 14" Bronze Wall Or Floor Access Cover .....	921.85	22.27
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0026			<b>Secured Square Wall Access Panel, Bronze Polished Top</b> (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0027	EA		6" x 6" Bronze Secured Wall Access Panel .....	543.78	17.70
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0028	EA		8" x 8" Bronze Secured Wall Access Panel .....	785.65	18.56
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0029	EA		10" x 10" Bronze Secured Wall Access Panel .....	839.56	19.62
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0030	EA		12" x 12" Bronze Secured Wall Access Panel .....	939.01	22.27
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0031			<b>Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated</b> (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0032	EA		6" x 6" Bronze Secured Hinged Access Panel, Scoriated .....	527.31	17.70
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0033	EA		8" x 8" Bronze Secured Hinged Access Panel, Scoriated .....	731.51	18.56
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0034	EA		10" x 10" Bronze Secured Hinged Access Panel, Scoriated .....	1,039.64	19.62
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0035	EA		12" x 12" Bronze Secured Hinged Access Panel, Scoriated .....	1,259.14	22.27
			For Vandal Proof Screws, Add	19.50	
			For Nickel Bronze, Add	22.50	
22 05 76 00-0036			<b>Cast Iron Cleanout Tee</b> (22 05 76)		
22 05 76 00-0037			<b>Cast Iron Cleanout Tee And Round Access Cover</b> (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0038	EA		2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover .....	478.93	56.40
			For Galvanized Cast Iron Parts, Add	45.00	
			For Vandal Proof Screws, Add	18.00	
22 05 76 00-0039	EA		3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover .....	545.61	70.61
			For Galvanized Cast Iron Parts, Add	45.00	
			For Vandal Proof Screws, Add	18.00	
22 05 76 00-0040	EA		4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover .....	714.15	85.46
			For Galvanized Cast Iron Parts, Add	45.00	
			For Vandal Proof Screws, Add	18.00	
22 05 76 00-0041	EA		6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover .....	1,732.37	103.58
			For Galvanized Cast Iron Parts, Add	45.00	
			For Vandal Proof Screws, Add	18.00	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover</b> (22 05 76 00-0036)		
Note: Satin smooth secured cover.		
22 05 76 00-0043 EA 2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	845.07	56.40
For Galvanized Cast Iron Parts, Add	45.00	
For Vandal Proof Screws, Add	18.00	
22 05 76 00-0044 EA 3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	911.75	70.61
For Galvanized Cast Iron Parts, Add	45.00	
For Vandal Proof Screws, Add	18.00	
22 05 76 00-0045 EA 4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	1,055.99	85.46
For Galvanized Cast Iron Parts, Add	45.00	
For Vandal Proof Screws, Add	18.00	
22 05 76 00-0046 EA 6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	2,226.92	103.58
For Galvanized Cast Iron Parts, Add	45.00	
For Vandal Proof Screws, Add	18.00	
<b>22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug</b> (22 05 76 00-0036)		
22 05 76 00-0048 EA 2" Cleanout Tee With Cast Bronze Screw Plug.....	392.49	46.12
22 05 76 00-0049 EA 3" Cleanout Tee With Cast Bronze Screw Plug.....	439.15	50.36
22 05 76 00-0050 EA 4" Cleanout Tee With Cast Bronze Screw Plug.....	585.51	66.27
22 05 76 00-0051 EA 5" Cleanout Tee With Cast Bronze Screw Plug.....	885.85	78.46
22 05 76 00-0052 EA 6" Cleanout Tee With Cast Bronze Screw Plug.....	1,521.92	92.77
<b>22 05 76 00-0053 Removable Cleanout Plug</b> (22 05 76)		
<b>22 05 76 00-0054 Threaded Bronze Plugs</b> (22 05 76 00-0053)		
22 05 76 00-0055 EA 1-1/4", 1-1/2" Or 2" Threaded Bronze Plug.....	78.07	13.25
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0056 EA 2-1/2" Threaded Bronze Plug.....	94.23	14.42
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0057 EA 3" Threaded Bronze Plug.....	165.22	15.90
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0058 EA 3-1/2" Threaded Bronze Plug.....	184.57	18.56
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0059 EA 4" Threaded Bronze Plug.....	208.60	21.21
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0060 EA 5" Threaded Bronze Plug.....	295.79	23.86
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0061 EA 6" Threaded Bronze Plug.....	439.13	26.51
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0062 EA 8" Threaded Bronze Plug.....	748.49	29.16
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0063 EA 10" Threaded Bronze Plug.....	1,081.32	31.81
For Plug Tapped For Center Screw, Add	9.50	
<b>22 05 76 00-0064 Threaded Brass Plugs</b> (22 05 76 00-0053)		
22 05 76 00-0065 EA 1-1/2" Threaded Brass Plug, Raised Head.....	29.84	13.25
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0066 EA 2" Threaded Brass Plug, Raised Head.....	30.41	13.25
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0067 EA 2-1/2" Threaded Brass Plug, Raised Head.....	33.19	14.42
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0068 EA 3" Threaded Brass Plug, Raised Head.....	37.64	15.90
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0069 EA 3-1/2" Threaded Brass Plug, Raised Head.....	44.51	18.56
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0070 EA 4" Threaded Brass Plug, Raised Head.....	52.43	21.21
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0071 EA 4-1/2" Threaded Brass Plug, Raised Head.....	56.37	22.33
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0072 EA 5" Threaded Brass Plug, Raised Head.....	60.68	23.86
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0073 EA 6" Threaded Brass Plug, Raised Head.....	80.02	26.50
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0074 EA 1-1/2" Threaded Brass Plug, Countersunk Head.....	29.38	13.25
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0075 EA 2" Threaded Brass Plug, Countersunk Head.....	30.02	13.25
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0076 EA 2-1/2" Threaded Brass Plug, Countersunk Head.....	34.45	14.42
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0077 EA 3" Threaded Brass Plug, Countersunk Head.....	37.82	15.90
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0078 EA 3-1/2" Threaded Brass Plug, Countersunk Head.....	43.96	18.56
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0079 EA 4" Threaded Brass Plug, Countersunk Head.....	51.57	21.21
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0080 EA 5" Threaded Brass Plug, Countersunk Head.....	60.21	23.86
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0081 EA 6" Threaded Brass Plug, Countersunk Head.....	72.49	26.51
For Plug Tapped For Center Screw, Add	9.50	

**22 Plumbing****22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**22 07 Plumbing Insulation (22)****22 07 16 Plumbing Equipment Insulation (22 07)****22 07 16 00-0001 Lavatory Insulation (22 07 16)**

22 07 16 00-0002 EA Neoprene Insulation Kit For Under Lavatories .....314.16 24.16

**22 07 19 Plumbing Piping Insulation (22 07)****22 07 19 00-0001 Fiberglass (Glass Fiber) Pipe Insulation (22 07 19)**

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

**22 07 19 00-0002 1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)**

22 07 19 00-0003	LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	7.93	2.36
		For Single Layer Of Felt Finish, Add	0.16	
		For Work In Restricted Working Space, Add	1.92	
22 07 19 00-0004	LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	8.10	2.36
		For Single Layer Of Felt Finish, Add	0.18	
		For Work In Restricted Working Space, Add	1.92	
22 07 19 00-0005	LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	8.60	2.47
		For Single Layer Of Felt Finish, Add	0.19	
		For Work In Restricted Working Space, Add	2.03	
22 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	8.92	2.58
		For Single Layer Of Felt Finish, Add	0.21	
		For Work In Restricted Working Space, Add	2.07	
22 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	9.17	2.58
		For Single Layer Of Felt Finish, Add	0.22	
		For Work In Restricted Working Space, Add	2.11	
22 07 19 00-0008	LF	2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	9.71	2.68
		For Single Layer Of Felt Finish, Add	0.24	
		For Work In Restricted Working Space, Add	2.22	
22 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	10.17	2.79
		For Single Layer Of Felt Finish, Add	0.28	
		For Work In Restricted Working Space, Add	2.26	
22 07 19 00-0010	LF	3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	10.74	2.90
		For Single Layer Of Felt Finish, Add	0.31	
		For Work In Restricted Working Space, Add	2.34	
22 07 19 00-0011	LF	4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	12.20	3.11
		For Single Layer Of Felt Finish, Add	0.40	
		For Work In Restricted Working Space, Add	2.53	
22 07 19 00-0012	LF	6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	14.41	3.65
		For Single Layer Of Felt Finish, Add	0.48	
		For Work In Restricted Working Space, Add	2.95	

**22 07 19 00-0013 1" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)**

22 07 19 00-0014	LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	10.65	3.22
		For Single Layer Of Felt Finish, Add	0.19	
		For Work In Restricted Working Space, Add	2.65	
22 07 19 00-0015	LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	10.92	3.22
		For Single Layer Of Felt Finish, Add	0.22	
		For Work In Restricted Working Space, Add	2.65	
22 07 19 00-0016	LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	11.09	3.22
		For Single Layer Of Felt Finish, Add	0.22	
		For Work In Restricted Working Space, Add	2.69	
22 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	11.50	3.32
		For Single Layer Of Felt Finish, Add	0.25	
		For Work In Restricted Working Space, Add	2.72	
22 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	11.81	3.32
		For Single Layer Of Felt Finish, Add	0.27	
		For Work In Restricted Working Space, Add	2.76	
22 07 19 00-0019	LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	12.30	3.44
		For Single Layer Of Felt Finish, Add	0.30	
		For Work In Restricted Working Space, Add	2.84	
22 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	12.98	3.65
		For Single Layer Of Felt Finish, Add	0.33	
		For Work In Restricted Working Space, Add	2.95	
22 07 19 00-0021	LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	13.63	3.76
		For Single Layer Of Felt Finish, Add	0.37	
		For Work In Restricted Working Space, Add	3.03	
22 07 19 00-0022	LF	4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	15.42	3.97
		For Single Layer Of Felt Finish, Add	0.48	
		For Work In Restricted Working Space, Add	3.26	
22 07 19 00-0023	LF	6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	17.84	4.61
		For Single Layer Of Felt Finish, Add	0.59	
		For Work In Restricted Working Space, Add	3.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0024 LF 8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.03	5.15
<i>For Single Layer Of Felt Finish, Add</i>	0.84	
<i>For Work In Restricted Working Space, Add</i>	4.22	
22 07 19 00-0025 LF 10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.92	6.12
<i>For Single Layer Of Felt Finish, Add</i>	0.98	
<i>For Work In Restricted Working Space, Add</i>	4.98	
22 07 19 00-0026 LF 12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.74	6.98
<i>For Single Layer Of Felt Finish, Add</i>	1.11	
<i>For Work In Restricted Working Space, Add</i>	5.75	
22 07 19 00-0027 LF 14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.10	7.63
<i>For Single Layer Of Felt Finish, Add</i>	1.29	
<i>For Work In Restricted Working Space, Add</i>	5.95	
<b>22 07 19 00-0028 1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0029 LF 1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.92	3.31
<i>For Single Layer Of Felt Finish, Add</i>	0.39	
<i>For Work In Restricted Working Space, Add</i>	2.76	
22 07 19 00-0030 LF 3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.08	3.31
<i>For Single Layer Of Felt Finish, Add</i>	0.41	
<i>For Work In Restricted Working Space, Add</i>	2.76	
22 07 19 00-0031 LF 1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.82	3.51
<i>For Single Layer Of Felt Finish, Add</i>	0.43	
<i>For Work In Restricted Working Space, Add</i>	2.92	
22 07 19 00-0032 LF 1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.32	3.59
<i>For Single Layer Of Felt Finish, Add</i>	0.46	
<i>For Work In Restricted Working Space, Add</i>	2.98	
22 07 19 00-0033 LF 1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.74	3.65
<i>For Single Layer Of Felt Finish, Add</i>	0.49	
<i>For Work In Restricted Working Space, Add</i>	3.03	
22 07 19 00-0034 LF 2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.72	3.84
<i>For Single Layer Of Felt Finish, Add</i>	0.53	
<i>For Work In Restricted Working Space, Add</i>	3.20	
22 07 19 00-0035 LF 2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.40	3.91
<i>For Single Layer Of Felt Finish, Add</i>	0.58	
<i>For Work In Restricted Working Space, Add</i>	3.25	
22 07 19 00-0036 LF 3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.93	4.05
<i>For Single Layer Of Felt Finish, Add</i>	0.60	
<i>For Work In Restricted Working Space, Add</i>	3.36	
22 07 19 00-0037 LF 4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.69	4.38
<i>For Single Layer Of Felt Finish, Add</i>	0.69	
<i>For Work In Restricted Working Space, Add</i>	3.64	
22 07 19 00-0038 LF 6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.63	5.11
<i>For Single Layer Of Felt Finish, Add</i>	0.79	
<i>For Work In Restricted Working Space, Add</i>	4.24	
22 07 19 00-0039 LF 8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.31	5.39
<i>For Single Layer Of Felt Finish, Add</i>	0.98	
<i>For Work In Restricted Working Space, Add</i>	4.48	
22 07 19 00-0040 LF 10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.70	6.45
<i>For Single Layer Of Felt Finish, Add</i>	1.24	
<i>For Work In Restricted Working Space, Add</i>	5.36	
22 07 19 00-0041 LF 12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.70	7.52
<i>For Single Layer Of Felt Finish, Add</i>	1.35	
<i>For Work In Restricted Working Space, Add</i>	6.24	
22 07 19 00-0042 LF 14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.73	8.23
<i>For Single Layer Of Felt Finish, Add</i>	1.57	
<i>For Work In Restricted Working Space, Add</i>	6.84	
<b>22 07 19 00-0043 2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0044 LF 1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.93	3.65
<i>For Single Layer Of Felt Finish, Add</i>	0.61	
<i>For Work In Restricted Working Space, Add</i>	3.03	
22 07 19 00-0045 LF 3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.13	3.65
<i>For Single Layer Of Felt Finish, Add</i>	0.63	
<i>For Work In Restricted Working Space, Add</i>	3.03	
22 07 19 00-0046 LF 1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.69	3.76
<i>For Single Layer Of Felt Finish, Add</i>	0.68	
<i>For Work In Restricted Working Space, Add</i>	3.07	
22 07 19 00-0047 LF 1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.18	3.76
<i>For Single Layer Of Felt Finish, Add</i>	0.72	
<i>For Work In Restricted Working Space, Add</i>	3.11	
22 07 19 00-0048 LF 1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.69	3.87
<i>For Single Layer Of Felt Finish, Add</i>	0.76	
<i>For Work In Restricted Working Space, Add</i>	3.14	
22 07 19 00-0049 LF 2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.35	3.97
<i>For Single Layer Of Felt Finish, Add</i>	0.79	
<i>For Work In Restricted Working Space, Add</i>	3.26	
22 07 19 00-0050 LF 2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.29	4.08
<i>For Single Layer Of Felt Finish, Add</i>	0.85	
<i>For Work In Restricted Working Space, Add</i>	3.37	
22 07 19 00-0051 LF 3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.31	4.29
<i>For Single Layer Of Felt Finish, Add</i>	0.91	
<i>For Work In Restricted Working Space, Add</i>	3.49	

**22 Plumbing**  
**22 07 Plumbing Insulation**  
**22 07 19 Plumbing Piping Insulation**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0052	LF		4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.21	4.51
			<i>For Single Layer Of Felt Finish, Add</i>	1.04	
			<i>For Work In Restricted Working Space, Add</i>	3.68	
22 07 19 00-0053	LF		6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.27	5.29
			<i>For Single Layer Of Felt Finish, Add</i>	1.21	
			<i>For Work In Restricted Working Space, Add</i>	4.42	
22 07 19 00-0054	LF		8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.82	5.59
			<i>For Single Layer Of Felt Finish, Add</i>	1.50	
			<i>For Work In Restricted Working Space, Add</i>	4.66	
22 07 19 00-0055	LF		10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.69	6.69
			<i>For Single Layer Of Felt Finish, Add</i>	1.79	
			<i>For Work In Restricted Working Space, Add</i>	5.58	
22 07 19 00-0056	LF		12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	41.03	8.02
			<i>For Single Layer Of Felt Finish, Add</i>	1.97	
			<i>For Work In Restricted Working Space, Add</i>	6.68	
22 07 19 00-0057	LF		14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	52.29	8.74
			<i>For Single Layer Of Felt Finish, Add</i>	2.23	
			<i>For Work In Restricted Working Space, Add</i>	9.32	
22 07 19 00-0058	LF		16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	55.23	10.26
			<i>For Single Layer Of Felt Finish, Add</i>	2.54	
			<i>For Work In Restricted Working Space, Add</i>	9.32	
22 07 19 00-0059	LF		18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	61.32	10.77
			<i>For Single Layer Of Felt Finish, Add</i>	3.01	
			<i>For Work In Restricted Working Space, Add</i>	9.78	
22 07 19 00-0060	LF		20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	69.50	12.30
			<i>For Single Layer Of Felt Finish, Add</i>	3.38	
			<i>For Work In Restricted Working Space, Add</i>	11.19	
22 07 19 00-0061	LF		24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	80.75	14.87
			<i>For Single Layer Of Felt Finish, Add</i>	3.75	
			<i>For Work In Restricted Working Space, Add</i>	13.51	
<b>22 07 19 00-0062</b>			<b>2-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0063	LF		1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.77	4.29
			<i>For Single Layer Of Felt Finish, Add</i>	0.85	
			<i>For Work In Restricted Working Space, Add</i>	3.50	
22 07 19 00-0064	LF		3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.05	4.29
			<i>For Single Layer Of Felt Finish, Add</i>	0.88	
			<i>For Work In Restricted Working Space, Add</i>	3.50	
22 07 19 00-0065	LF		1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.84	4.29
			<i>For Single Layer Of Felt Finish, Add</i>	0.95	
			<i>For Work In Restricted Working Space, Add</i>	3.55	
22 07 19 00-0066	LF		1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.43	4.40
			<i>For Single Layer Of Felt Finish, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	3.58	
22 07 19 00-0067	LF		1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.05	4.40
			<i>For Single Layer Of Felt Finish, Add</i>	1.05	
			<i>For Work In Restricted Working Space, Add</i>	3.60	
22 07 19 00-0068	LF		2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.96	4.61
			<i>For Single Layer Of Felt Finish, Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	3.75	
22 07 19 00-0069	LF		2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.26	4.72
			<i>For Single Layer Of Felt Finish, Add</i>	1.19	
			<i>For Work In Restricted Working Space, Add</i>	3.88	
22 07 19 00-0070	LF		3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.44	4.94
			<i>For Single Layer Of Felt Finish, Add</i>	1.27	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 07 19 00-0071	LF		4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.15	5.15
			<i>For Single Layer Of Felt Finish, Add</i>	1.47	
			<i>For Work In Restricted Working Space, Add</i>	4.24	
22 07 19 00-0072	LF		6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.27	5.47
			<i>For Single Layer Of Felt Finish, Add</i>	1.70	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
22 07 19 00-0073	LF		8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	43.12	6.55
			<i>For Single Layer Of Felt Finish, Add</i>	2.65	
			<i>For Work In Restricted Working Space, Add</i>	5.37	
22 07 19 00-0074	LF		10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	51.51	7.52
			<i>For Single Layer Of Felt Finish, Add</i>	3.24	
			<i>For Work In Restricted Working Space, Add</i>	6.19	
22 07 19 00-0075	LF		12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	58.53	9.34
			<i>For Single Layer Of Felt Finish, Add</i>	3.45	
			<i>For Work In Restricted Working Space, Add</i>	7.70	
22 07 19 00-0076	LF		14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	66.19	10.31
			<i>For Single Layer Of Felt Finish, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	8.40	
22 07 19 00-0077	LF		16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	77.87	13.10
			<i>For Single Layer Of Felt Finish, Add</i>	4.42	
			<i>For Work In Restricted Working Space, Add</i>	10.73	
22 07 19 00-0078	LF		18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	83.75	13.74
			<i>For Single Layer Of Felt Finish, Add</i>	4.85	
			<i>For Work In Restricted Working Space, Add</i>	11.27	
22 07 19 00-0079	LF		20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	95.05	15.68
			<i>For Single Layer Of Felt Finish, Add</i>	5.47	
			<i>For Work In Restricted Working Space, Add</i>	12.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0080 LF 24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	111.78	18.94
<i>For Single Layer Of Felt Finish, Add</i>	6.29	
<i>For Work In Restricted Working Space, Add</i>	15.56	
<b>22 07 19 00-0081 3" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0082 LF 1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.80	4.75
<i>For Single Layer Of Felt Finish, Add</i>	0.94	
<i>For Work In Restricted Working Space, Add</i>	3.87	
22 07 19 00-0083 LF 3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.11	4.75
<i>For Single Layer Of Felt Finish, Add</i>	0.97	
<i>For Work In Restricted Working Space, Add</i>	3.87	
22 07 19 00-0084 LF 1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.92	4.79
<i>For Single Layer Of Felt Finish, Add</i>	1.04	
<i>For Work In Restricted Working Space, Add</i>	3.91	
22 07 19 00-0085 LF 1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.55	4.82
<i>For Single Layer Of Felt Finish, Add</i>	1.10	
<i>For Work In Restricted Working Space, Add</i>	3.93	
22 07 19 00-0086 LF 1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.27	4.88
<i>For Single Layer Of Felt Finish, Add</i>	1.16	
<i>For Work In Restricted Working Space, Add</i>	3.98	
22 07 19 00-0087 LF 2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.22	5.06
<i>For Single Layer Of Felt Finish, Add</i>	1.21	
<i>For Work In Restricted Working Space, Add</i>	4.12	
22 07 19 00-0088 LF 2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.64	5.23
<i>For Single Layer Of Felt Finish, Add</i>	1.31	
<i>For Work In Restricted Working Space, Add</i>	4.26	
22 07 19 00-0089 LF 3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.94	5.42
<i>For Single Layer Of Felt Finish, Add</i>	1.39	
<i>For Work In Restricted Working Space, Add</i>	4.42	
22 07 19 00-0090 LF 4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.93	5.72
<i>For Single Layer Of Felt Finish, Add</i>	1.62	
<i>For Work In Restricted Working Space, Add</i>	4.66	
22 07 19 00-0091 LF 6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.45	6.50
<i>For Single Layer Of Felt Finish, Add</i>	1.87	
<i>For Work In Restricted Working Space, Add</i>	5.30	
22 07 19 00-0092 LF 8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	47.36	7.23
<i>For Single Layer Of Felt Finish, Add</i>	2.91	
<i>For Work In Restricted Working Space, Add</i>	5.90	
22 07 19 00-0093 LF 10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	56.59	8.35
<i>For Single Layer Of Felt Finish, Add</i>	3.56	
<i>For Work In Restricted Working Space, Add</i>	6.81	
22 07 19 00-0094 LF 12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	64.30	10.38
<i>For Single Layer Of Felt Finish, Add</i>	3.79	
<i>For Work In Restricted Working Space, Add</i>	8.46	
22 07 19 00-0095 LF 14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	72.72	11.33
<i>For Single Layer Of Felt Finish, Add</i>	4.40	
<i>For Work In Restricted Working Space, Add</i>	9.24	
22 07 19 00-0096 LF 16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	85.54	14.48
<i>For Single Layer Of Felt Finish, Add</i>	4.85	
<i>For Work In Restricted Working Space, Add</i>	11.81	
22 07 19 00-0097 LF 18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	92.00	15.21
<i>For Single Layer Of Felt Finish, Add</i>	5.32	
<i>For Work In Restricted Working Space, Add</i>	12.40	
22 07 19 00-0098 LF 20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	104.44	17.39
<i>For Single Layer Of Felt Finish, Add</i>	6.00	
<i>For Work In Restricted Working Space, Add</i>	14.18	
22 07 19 00-0099 LF 24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	122.81	20.99
<i>For Single Layer Of Felt Finish, Add</i>	6.90	
<i>For Work In Restricted Working Space, Add</i>	17.12	
<b>22 07 19 00-0100 3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0101 LF 1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.50	5.15
<i>For Single Layer Of Felt Finish, Add</i>	0.98	
<i>For Work In Restricted Working Space, Add</i>	4.24	
22 07 19 00-0102 LF 3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.86	5.15
<i>For Single Layer Of Felt Finish, Add</i>	1.02	
<i>For Work In Restricted Working Space, Add</i>	4.24	
22 07 19 00-0103 LF 1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.03	5.15
<i>For Single Layer Of Felt Finish, Add</i>	1.14	
<i>For Work In Restricted Working Space, Add</i>	4.26	
22 07 19 00-0104 LF 1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.72	5.26
<i>For Single Layer Of Felt Finish, Add</i>	1.20	
<i>For Work In Restricted Working Space, Add</i>	4.29	
22 07 19 00-0105 LF 1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.54	5.26
<i>For Single Layer Of Felt Finish, Add</i>	1.27	
<i>For Work In Restricted Working Space, Add</i>	4.35	
22 07 19 00-0106 LF 2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.52	5.47
<i>For Single Layer Of Felt Finish, Add</i>	1.32	
<i>For Work In Restricted Working Space, Add</i>	4.49	
22 07 19 00-0107 LF 2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.07	5.69
<i>For Single Layer Of Felt Finish, Add</i>	1.42	
<i>For Work In Restricted Working Space, Add</i>	4.65	

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0108	LF		3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	30.40	5.90
			<i>For Single Layer Of Felt Finish, Add</i>	1.51	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
22 07 19 00-0109	LF		4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	33.80	6.23
			<i>For Single Layer Of Felt Finish, Add</i>	1.77	
			<i>For Work In Restricted Working Space, Add</i>	5.09	
22 07 19 00-0110	LF		6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	38.71	7.08
			<i>For Single Layer Of Felt Finish, Add</i>	2.04	
			<i>For Work In Restricted Working Space, Add</i>	5.78	
22 07 19 00-0111	LF		8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	51.71	7.84
			<i>For Single Layer Of Felt Finish, Add</i>	3.18	
			<i>For Work In Restricted Working Space, Add</i>	6.44	
22 07 19 00-0112	LF		10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	61.81	9.02
			<i>For Single Layer Of Felt Finish, Add</i>	3.89	
			<i>For Work In Restricted Working Space, Add</i>	7.43	
22 07 19 00-0113	LF		12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	70.23	11.27
			<i>For Single Layer Of Felt Finish, Add</i>	4.14	
			<i>For Work In Restricted Working Space, Add</i>	9.23	
22 07 19 00-0114	LF		14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	79.45	12.34
			<i>For Single Layer Of Felt Finish, Add</i>	4.81	
			<i>For Work In Restricted Working Space, Add</i>	10.08	
22 07 19 00-0115	LF		16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	93.46	15.68
			<i>For Single Layer Of Felt Finish, Add</i>	5.30	
			<i>For Work In Restricted Working Space, Add</i>	12.88	
22 07 19 00-0116	LF		18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	100.49	16.53
			<i>For Single Layer Of Felt Finish, Add</i>	5.82	
			<i>For Work In Restricted Working Space, Add</i>	13.52	
22 07 19 00-0117	LF		20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	114.11	18.89
			<i>For Single Layer Of Felt Finish, Add</i>	6.57	
			<i>For Work In Restricted Working Space, Add</i>	15.47	
22 07 19 00-0118	LF		24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	134.14	22.76
			<i>For Single Layer Of Felt Finish, Add</i>	7.55	
			<i>For Work In Restricted Working Space, Add</i>	18.68	
<b>22 07 19 00-0119</b>			<b>4" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0120	LF		1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	26.64	5.79
			<i>For Single Layer Of Felt Finish, Add</i>	1.15	
			<i>For Work In Restricted Working Space, Add</i>	4.70	
22 07 19 00-0121	LF		3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	27.03	5.79
			<i>For Single Layer Of Felt Finish, Add</i>	1.19	
			<i>For Work In Restricted Working Space, Add</i>	4.70	
22 07 19 00-0122	LF		1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	28.12	5.79
			<i>For Single Layer Of Felt Finish, Add</i>	1.28	
			<i>For Work In Restricted Working Space, Add</i>	4.79	
22 07 19 00-0123	LF		1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	28.99	5.90
			<i>For Single Layer Of Felt Finish, Add</i>	1.35	
			<i>For Work In Restricted Working Space, Add</i>	4.84	
22 07 19 00-0124	LF		1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	30.19	6.12
			<i>For Single Layer Of Felt Finish, Add</i>	1.42	
			<i>For Work In Restricted Working Space, Add</i>	4.99	
22 07 19 00-0125	LF		2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	31.29	6.34
			<i>For Single Layer Of Felt Finish, Add</i>	1.48	
			<i>For Work In Restricted Working Space, Add</i>	5.15	
22 07 19 00-0126	LF		2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	32.70	6.34
			<i>For Single Layer Of Felt Finish, Add</i>	1.60	
			<i>For Work In Restricted Working Space, Add</i>	5.23	
22 07 19 00-0127	LF		3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	34.33	6.66
			<i>For Single Layer Of Felt Finish, Add</i>	1.71	
			<i>For Work In Restricted Working Space, Add</i>	5.42	
22 07 19 00-0128	LF		4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	37.99	6.98
			<i>For Single Layer Of Felt Finish, Add</i>	1.99	
			<i>For Work In Restricted Working Space, Add</i>	5.72	
22 07 19 00-0129	LF		6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	43.53	7.95
			<i>For Single Layer Of Felt Finish, Add</i>	2.30	
			<i>For Work In Restricted Working Space, Add</i>	6.49	
22 07 19 00-0130	LF		8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	58.19	8.58
			<i>For Single Layer Of Felt Finish, Add</i>	3.58	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
22 07 19 00-0131	LF		10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	69.55	10.20
			<i>For Single Layer Of Felt Finish, Add</i>	4.38	
			<i>For Work In Restricted Working Space, Add</i>	8.36	
22 07 19 00-0132	LF		12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	79.02	12.66
			<i>For Single Layer Of Felt Finish, Add</i>	4.66	
			<i>For Work In Restricted Working Space, Add</i>	10.39	
22 07 19 00-0133	LF		14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	89.40	13.85
			<i>For Single Layer Of Felt Finish, Add</i>	5.42	
			<i>For Work In Restricted Working Space, Add</i>	11.35	
22 07 19 00-0134	LF		16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	105.18	17.71
			<i>For Single Layer Of Felt Finish, Add</i>	5.97	
			<i>For Work In Restricted Working Space, Add</i>	14.51	
22 07 19 00-0135	LF		18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	113.01	18.57
			<i>For Single Layer Of Felt Finish, Add</i>	6.55	
			<i>For Work In Restricted Working Space, Add</i>	15.20	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 07	19 00-0136	LF	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.73 7.22 17.40	21.26
	22 07	19 00-0137	LF	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.94 8.49 21.02	25.66
	22 07	19 00-0138		<b>Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell</b> <small>(22 07 19)</small> Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
	22 07	19 00-0139		<b>1" Thick Foamglas Pipe Insulation</b> <small>(22 07 19 00-0138)</small>		
	22 07	19 00-0140	LF	1/2" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.70 4.76	5.24
	22 07	19 00-0141	LF	3/4" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.42 4.76	5.24
	22 07	19 00-0142	LF	1" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	20.37 4.83	5.31
	22 07	19 00-0143	LF	1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.85 4.90	5.39
	22 07	19 00-0144	LF	1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	21.56 4.97	5.46
	22 07	19 00-0145	LF	2" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.94 5.11	5.61
	22 07	19 00-0146	LF	2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	24.67 5.32	5.85
	22 07	19 00-0147	LF	3" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	26.53 5.45	6.00
	22 07	19 00-0148	LF	4" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	30.56 5.87	6.45
	22 07	19 00-0149	LF	6" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	38.71 6.62	7.27
	22 07	19 00-0150		<b>1-1/2" Thick Foamglas Pipe Insulation</b> <small>(22 07 19 00-0138)</small>		
	22 07	19 00-0151	LF	1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.03 5.11	5.80
	22 07	19 00-0152	LF	3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.48 5.11	5.80
	22 07	19 00-0153	LF	1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.16 5.18	5.88
	22 07	19 00-0154	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.72 5.24	5.95
	22 07	19 00-0155	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	24.23 5.31	6.04
	22 07	19 00-0156	LF	2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	26.23 5.49	6.24
	22 07	19 00-0157	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	29.57 5.70	6.48
	22 07	19 00-0158	LF	3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	32.55 5.87	6.67
	22 07	19 00-0159	LF	4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	36.78 6.25	7.09
	22 07	19 00-0160	LF	6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	43.25 7.07	8.04
	22 07	19 00-0161	LF	8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	48.37 7.89	8.97
	22 07	19 00-0162	LF	10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	58.57 9.09	10.34
	22 07	19 00-0163	LF	12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	69.61 11.30	12.84
	22 07	19 00-0164	LF	14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	77.29 12.28	13.52
	22 07	19 00-0165	LF	16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	85.13 13.72	15.09
	22 07	19 00-0166	LF	18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	96.62 16.23	17.85
	22 07	19 00-0167	LF	20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	107.91 17.97	19.77
	22 07	19 00-0168	LF	24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation ..... <i>For Work In Restricted Working Space, Add</i>	134.21 19.91	21.90
	22 07	19 00-0169		<b>2" Thick Foamglas Pipe Insulation</b> <small>(22 07 19 00-0138)</small>		
	22 07	19 00-0170	LF	1/2" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	24.70 5.45	6.00
	22 07	19 00-0171	LF	3/4" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	25.41 5.45	6.00
	22 07	19 00-0172	LF	1" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	26.33 5.52	6.06

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0173 LF 1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation .....	27.67	6.16
<i>For Work In Restricted Working Space, Add</i>	5.59	
22 07 19 00-0174 LF 1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation .....	29.02	6.23
<i>For Work In Restricted Working Space, Add</i>	5.66	
22 07 19 00-0175 LF 2" Diameter Pipe, 2" Thick Foamglas Insulation .....	32.34	6.45
<i>For Work In Restricted Working Space, Add</i>	5.87	
22 07 19 00-0176 LF 2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation .....	33.91	6.69
<i>For Work In Restricted Working Space, Add</i>	6.08	
22 07 19 00-0177 LF 3" Diameter Pipe, 2" Thick Foamglas Insulation .....	36.34	6.90
<i>For Work In Restricted Working Space, Add</i>	6.28	
22 07 19 00-0178 LF 4" Diameter Pipe, 2" Thick Foamglas Insulation .....	40.83	7.29
<i>For Work In Restricted Working Space, Add</i>	6.62	
22 07 19 00-0179 LF 6" Diameter Pipe, 2" Thick Foamglas Insulation .....	48.75	8.28
<i>For Work In Restricted Working Space, Add</i>	7.52	
22 07 19 00-0180 LF 8" Diameter Pipe, 2" Thick Foamglas Insulation .....	54.28	9.23
<i>For Work In Restricted Working Space, Add</i>	8.39	
22 07 19 00-0181 LF 10" Diameter Pipe, 2" Thick Foamglas Insulation .....	65.96	10.64
<i>For Work In Restricted Working Space, Add</i>	9.68	
22 07 19 00-0182 LF 12" Diameter Pipe, 2" Thick Foamglas Insulation .....	81.71	13.23
<i>For Work In Restricted Working Space, Add</i>	12.02	
22 07 19 00-0183 LF 14" Diameter Pipe, 2" Thick Foamglas Insulation .....	87.34	14.44
<i>For Work In Restricted Working Space, Add</i>	13.12	
22 07 19 00-0184 LF 16" Diameter Pipe, 2" Thick Foamglas Insulation .....	103.50	18.46
<i>For Work In Restricted Working Space, Add</i>	16.78	
22 07 19 00-0185 LF 18" Diameter Pipe, 2" Thick Foamglas Insulation .....	112.71	19.37
<i>For Work In Restricted Working Space, Add</i>	17.61	
22 07 19 00-0186 LF 20" Diameter Pipe, 2" Thick Foamglas Insulation .....	124.81	22.14
<i>For Work In Restricted Working Space, Add</i>	20.13	
22 07 19 00-0187 LF 24" Diameter Pipe, 2" Thick Foamglas Insulation .....	156.37	26.75
<i>For Work In Restricted Working Space, Add</i>	24.32	
<b>22 07 19 00-0188 2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)</b>		
22 07 19 00-0189 LF 1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	29.87	6.51
<i>For Work In Restricted Working Space, Add</i>	5.91	
22 07 19 00-0190 LF 3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	31.06	6.50
<i>For Work In Restricted Working Space, Add</i>	5.91	
22 07 19 00-0191 LF 1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	32.59	6.60
<i>For Work In Restricted Working Space, Add</i>	6.01	
22 07 19 00-0192 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	33.94	6.66
<i>For Work In Restricted Working Space, Add</i>	6.05	
22 07 19 00-0193 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	35.31	6.71
<i>For Work In Restricted Working Space, Add</i>	6.10	
22 07 19 00-0194 LF 2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	37.82	6.98
<i>For Work In Restricted Working Space, Add</i>	6.35	
22 07 19 00-0195 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	40.21	7.22
<i>For Work In Restricted Working Space, Add</i>	6.57	
22 07 19 00-0196 LF 3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	43.61	7.48
<i>For Work In Restricted Working Space, Add</i>	6.80	
22 07 19 00-0197 LF 4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	48.80	7.88
<i>For Work In Restricted Working Space, Add</i>	7.17	
22 07 19 00-0198 LF 6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	58.28	8.97
<i>For Work In Restricted Working Space, Add</i>	8.15	
22 07 19 00-0199 LF 8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	64.93	9.99
<i>For Work In Restricted Working Space, Add</i>	9.08	
22 07 19 00-0200 LF 10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	74.10	11.51
<i>For Work In Restricted Working Space, Add</i>	10.47	
22 07 19 00-0201 LF 12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	92.27	14.32
<i>For Work In Restricted Working Space, Add</i>	13.02	
22 07 19 00-0202 LF 14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	96.32	15.63
<i>For Work In Restricted Working Space, Add</i>	14.21	
22 07 19 00-0203 LF 16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	113.80	19.98
<i>For Work In Restricted Working Space, Add</i>	18.16	
22 07 19 00-0204 LF 18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	123.63	20.97
<i>For Work In Restricted Working Space, Add</i>	19.07	
22 07 19 00-0205 LF 20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	142.13	23.97
<i>For Work In Restricted Working Space, Add</i>	21.80	
22 07 19 00-0206 LF 24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	177.85	28.97
<i>For Work In Restricted Working Space, Add</i>	26.33	
<b>22 07 19 00-0207 3" Thick Foamglas Pipe Insulation (22 07 19 00-0138)</b>		
22 07 19 00-0208 LF 1/2" Diameter Pipe, 3" Thick Foamglas Insulation .....	35.95	6.91
<i>For Work In Restricted Working Space, Add</i>	6.29	
22 07 19 00-0209 LF 3/4" Diameter Pipe, 3" Thick Foamglas Insulation .....	36.67	6.91
<i>For Work In Restricted Working Space, Add</i>	6.29	
22 07 19 00-0210 LF 1" Diameter Pipe, 3" Thick Foamglas Insulation .....	37.74	7.03
<i>For Work In Restricted Working Space, Add</i>	6.39	
22 07 19 00-0211 LF 1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation .....	38.61	7.07
<i>For Work In Restricted Working Space, Add</i>	6.44	
22 07 19 00-0212 LF 1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation .....	39.52	7.14
<i>For Work In Restricted Working Space, Add</i>	6.49	
22 07 19 00-0213 LF 2" Diameter Pipe, 3" Thick Foamglas Insulation .....	42.44	7.42
<i>For Work In Restricted Working Space, Add</i>	6.76	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0214 LF 2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation.....	45.23	7.69
<i>For Work In Restricted Working Space, Add</i>	6.98	
22 07 19 00-0215 LF 3" Diameter Pipe, 3" Thick Foamglas Insulation.....	51.28	7.96
<i>For Work In Restricted Working Space, Add</i>	7.23	
22 07 19 00-0216 LF 4" Diameter Pipe, 3" Thick Foamglas Insulation.....	58.44	8.38
<i>For Work In Restricted Working Space, Add</i>	7.62	
22 07 19 00-0217 LF 6" Diameter Pipe, 3" Thick Foamglas Insulation.....	64.03	9.53
<i>For Work In Restricted Working Space, Add</i>	8.66	
22 07 19 00-0218 LF 8" Diameter Pipe, 3" Thick Foamglas Insulation.....	72.32	10.63
<i>For Work In Restricted Working Space, Add</i>	9.67	
22 07 19 00-0219 LF 10" Diameter Pipe, 3" Thick Foamglas Insulation.....	86.22	12.26
<i>For Work In Restricted Working Space, Add</i>	11.14	
22 07 19 00-0220 LF 12" Diameter Pipe, 3" Thick Foamglas Insulation.....	100.27	15.23
<i>For Work In Restricted Working Space, Add</i>	13.85	
22 07 19 00-0221 LF 14" Diameter Pipe, 3" Thick Foamglas Insulation.....	107.39	16.63
<i>For Work In Restricted Working Space, Add</i>	15.12	
22 07 19 00-0222 LF 16" Diameter Pipe, 3" Thick Foamglas Insulation.....	128.38	21.26
<i>For Work In Restricted Working Space, Add</i>	19.32	
22 07 19 00-0223 LF 18" Diameter Pipe, 3" Thick Foamglas Insulation.....	137.38	22.31
<i>For Work In Restricted Working Space, Add</i>	20.29	
22 07 19 00-0224 LF 20" Diameter Pipe, 3" Thick Foamglas Insulation.....	160.92	25.51
<i>For Work In Restricted Working Space, Add</i>	23.19	
22 07 19 00-0225 LF 24" Diameter Pipe, 3" Thick Foamglas Insulation.....	196.69	30.82
<i>For Work In Restricted Working Space, Add</i>	28.01	
 <b>22 07 19 00-0226 3-1/2" Thick Foamglas Pipe Insulation</b> (22 07 19 00-0138)		
22 07 19 00-0227 LF 1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	43.31	8.38
<i>For Work In Restricted Working Space, Add</i>	7.62	
22 07 19 00-0228 LF 3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	44.21	8.38
<i>For Work In Restricted Working Space, Add</i>	7.62	
22 07 19 00-0229 LF 1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	45.29	8.44
<i>For Work In Restricted Working Space, Add</i>	7.67	
22 07 19 00-0230 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	46.35	8.49
<i>For Work In Restricted Working Space, Add</i>	7.72	
22 07 19 00-0231 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	47.58	8.60
<i>For Work In Restricted Working Space, Add</i>	7.82	
22 07 19 00-0232 LF 2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	52.30	8.90
<i>For Work In Restricted Working Space, Add</i>	8.09	
22 07 19 00-0233 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	57.06	9.21
<i>For Work In Restricted Working Space, Add</i>	8.37	
22 07 19 00-0234 LF 3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	60.25	9.53
<i>For Work In Restricted Working Space, Add</i>	8.66	
22 07 19 00-0235 LF 4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	64.51	10.08
<i>For Work In Restricted Working Space, Add</i>	9.16	
22 07 19 00-0236 LF 6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	74.26	11.44
<i>For Work In Restricted Working Space, Add</i>	10.40	
22 07 19 00-0237 LF 8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	84.40	12.74
<i>For Work In Restricted Working Space, Add</i>	11.58	
22 07 19 00-0238 LF 10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	100.90	14.71
<i>For Work In Restricted Working Space, Add</i>	13.37	
22 07 19 00-0239 LF 12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	119.31	18.28
<i>For Work In Restricted Working Space, Add</i>	16.62	
22 07 19 00-0240 LF 14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	124.54	19.96
<i>For Work In Restricted Working Space, Add</i>	18.14	
22 07 19 00-0241 LF 16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	149.44	25.51
<i>For Work In Restricted Working Space, Add</i>	23.19	
22 07 19 00-0242 LF 18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	164.14	26.79
<i>For Work In Restricted Working Space, Add</i>	24.35	
22 07 19 00-0243 LF 20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	186.88	30.63
<i>For Work In Restricted Working Space, Add</i>	27.85	
22 07 19 00-0244 LF 24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	229.44	36.98
<i>For Work In Restricted Working Space, Add</i>	33.62	
 <b>22 07 19 00-0245 4" Thick Foamglas Pipe Insulation</b> (22 07 19 00-0138)		
22 07 19 00-0246 LF 1/2" Diameter Pipe, 4" Thick Foamglas Insulation.....	52.74	10.31
<i>For Work In Restricted Working Space, Add</i>	9.37	
22 07 19 00-0247 LF 3/4" Diameter Pipe, 4" Thick Foamglas Insulation.....	53.91	10.31
<i>For Work In Restricted Working Space, Add</i>	9.37	
22 07 19 00-0248 LF 1" Diameter Pipe, 4" Thick Foamglas Insulation.....	55.61	10.48
<i>For Work In Restricted Working Space, Add</i>	9.53	
22 07 19 00-0249 LF 1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation.....	57.15	10.61
<i>For Work In Restricted Working Space, Add</i>	9.64	
22 07 19 00-0250 LF 1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation.....	59.32	10.94
<i>For Work In Restricted Working Space, Add</i>	9.94	
22 07 19 00-0251 LF 2" Diameter Pipe, 4" Thick Foamglas Insulation.....	64.05	11.27
<i>For Work In Restricted Working Space, Add</i>	10.25	
22 07 19 00-0252 LF 2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation.....	68.26	11.45
<i>For Work In Restricted Working Space, Add</i>	10.41	
22 07 19 00-0253 LF 3" Diameter Pipe, 4" Thick Foamglas Insulation.....	71.66	11.88
<i>For Work In Restricted Working Space, Add</i>	10.79	
22 07 19 00-0254 LF 4" Diameter Pipe, 4" Thick Foamglas Insulation.....	78.33	13.24
<i>For Work In Restricted Working Space, Add</i>	12.04	

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0255 LF 6" Diameter Pipe, 4" Thick Foamglas Insulation .....	90.53	14.21
<i>For Work In Restricted Working Space, Add</i>	12.92	
22 07 19 00-0256 LF 8" Diameter Pipe, 4" Thick Foamglas Insulation .....	102.16	15.41
<i>For Work In Restricted Working Space, Add</i>	14.01	
22 07 19 00-0257 LF 10" Diameter Pipe, 4" Thick Foamglas Insulation .....	117.06	18.32
<i>For Work In Restricted Working Space, Add</i>	16.65	
22 07 19 00-0258 LF 12" Diameter Pipe, 4" Thick Foamglas Insulation .....	136.85	22.75
<i>For Work In Restricted Working Space, Add</i>	20.68	
22 07 19 00-0259 LF 14" Diameter Pipe, 4" Thick Foamglas Insulation .....	148.82	24.84
<i>For Work In Restricted Working Space, Add</i>	22.59	
22 07 19 00-0260 LF 16" Diameter Pipe, 4" Thick Foamglas Insulation .....	176.80	31.76
<i>For Work In Restricted Working Space, Add</i>	28.88	
22 07 19 00-0261 LF 18" Diameter Pipe, 4" Thick Foamglas Insulation .....	196.56	33.29
<i>For Work In Restricted Working Space, Add</i>	30.26	
22 07 19 00-0262 LF 20" Diameter Pipe, 4" Thick Foamglas Insulation .....	220.39	38.10
<i>For Work In Restricted Working Space, Add</i>	34.64	
22 07 19 00-0263 LF 24" Diameter Pipe, 4" Thick Foamglas Insulation .....	279.38	46.03
<i>For Work In Restricted Working Space, Add</i>	41.84	
<b>22 07 19 00-0264 Polyisocyanurate Pipe Insulation (22 07 19)</b>		
Note: Dow Trymer insulation with Saran vapor wrap. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
<b>22 07 19 00-0265 1" Thick Polyisocyanurate Pipe Insulation (22 07 19 00-0264)</b>		
22 07 19 00-0266 LF 2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation .....	16.58	3.11
22 07 19 00-0267 LF 2-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation .....	17.88	3.32
22 07 19 00-0268 LF 3" Diameter Pipe, 1" Thick Polyisocyanurate Insulation .....	19.24	3.55
22 07 19 00-0269 LF 4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation .....	22.73	4.19
22 07 19 00-0270 LF 6" Diameter Pipe, 1" Thick Polyisocyanurate Insulation .....	28.77	5.26
22 07 19 00-0271 LF 8" Diameter Pipe, 1" Thick Polyisocyanurate Insulation .....	34.60	6.23
22 07 19 00-0272 LF 10" Diameter Pipe, 1" Thick Polyisocyanurate Insulation .....	39.67	6.98
<b>22 07 19 00-0273 1-1/2" Thick Polyisocyanurate Pipe Insulation (22 07 19 00-0264)</b>		
22 07 19 00-0274 LF 2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	19.06	3.32
22 07 19 00-0275 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	20.69	3.55
22 07 19 00-0276 LF 3" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	22.29	3.65
22 07 19 00-0277 LF 4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	26.38	4.51
22 07 19 00-0278 LF 6" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	33.74	5.69
22 07 19 00-0279 LF 8" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	41.05	6.98
22 07 19 00-0280 LF 10" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	47.31	7.84
<b>22 07 19 00-0281 2" Thick Polyisocyanurate Pipe Insulation (22 07 19 00-0264)</b>		
22 07 19 00-0282 LF 2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation .....	24.00	3.55
22 07 19 00-0283 LF 2-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation .....	26.03	3.76
22 07 19 00-0284 LF 3" Diameter Pipe, 2" Thick Polyisocyanurate Insulation .....	27.41	3.97
22 07 19 00-0285 LF 4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation .....	32.61	4.84
22 07 19 00-0286 LF 6" Diameter Pipe, 2" Thick Polyisocyanurate Insulation .....	39.58	6.23
22 07 19 00-0287 LF 8" Diameter Pipe, 2" Thick Polyisocyanurate Insulation .....	51.89	7.84
22 07 19 00-0288 LF 10" Diameter Pipe, 2" Thick Polyisocyanurate Insulation .....	55.00	9.02
<b>22 07 19 00-0289 Flexible Polyethylene Tubing Closed Cell Foam Insulation (22 07 19)</b>		
Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
<b>22 07 19 00-0290 3/8" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0289)</b>		
22 07 19 00-0291 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	6.92	3.21
<i>For Work In Restricted Working Space, Add</i>	1.93	
22 07 19 00-0292 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	6.93	3.21
<i>For Work In Restricted Working Space, Add</i>	1.93	
22 07 19 00-0293 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	7.23	3.32
<i>For Work In Restricted Working Space, Add</i>	2.00	
22 07 19 00-0294 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	7.52	3.44
<i>For Work In Restricted Working Space, Add</i>	2.06	
22 07 19 00-0295 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	7.82	3.50
<i>For Work In Restricted Working Space, Add</i>	2.10	
22 07 19 00-0296 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	8.16	3.56
<i>For Work In Restricted Working Space, Add</i>	2.13	
22 07 19 00-0297 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	8.31	3.56
<i>For Work In Restricted Working Space, Add</i>	2.14	
22 07 19 00-0298 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	8.72	3.56
<i>For Work In Restricted Working Space, Add</i>	2.15	
22 07 19 00-0299 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	9.50	3.66
<i>For Work In Restricted Working Space, Add</i>	2.21	
22 07 19 00-0300 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	9.84	3.73
<i>For Work In Restricted Working Space, Add</i>	2.25	



	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 07 19 00-0301</b>		<b>1/2" Wall Flexible Polyethylene Tubing Foam Insulation</b> (22 07 19 00-0289)		
	22 07 19 00-0302	LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.71	3.50
		<i>For Work In Restricted Working Space, Add</i>	2.10	
	22 07 19 00-0303	LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.80	3.50
		<i>For Work In Restricted Working Space, Add</i>	2.11	
	22 07 19 00-0304	LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.93	3.56
		<i>For Work In Restricted Working Space, Add</i>	2.13	
	22 07 19 00-0305	LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.10	3.58
		<i>For Work In Restricted Working Space, Add</i>	2.15	
	22 07 19 00-0306	LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.54	3.66
		<i>For Work In Restricted Working Space, Add</i>	2.20	
	22 07 19 00-0307	LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	8.90	3.73
		<i>For Work In Restricted Working Space, Add</i>	2.23	
	22 07 19 00-0308	LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	9.34	3.78
		<i>For Work In Restricted Working Space, Add</i>	2.27	
	22 07 19 00-0309	LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.86	3.83
		<i>For Work In Restricted Working Space, Add</i>	2.30	
	22 07 19 00-0310	LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	10.76	3.95
		<i>For Work In Restricted Working Space, Add</i>	2.37	
	22 07 19 00-0311	LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.71	4.00
		<i>For Work In Restricted Working Space, Add</i>	2.40	
	22 07 19 00-0312	LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	12.62	4.06
		<i>For Work In Restricted Working Space, Add</i>	2.44	
	22 07 19 00-0313	LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	13.14	4.11
		<i>For Work In Restricted Working Space, Add</i>	2.47	
<b>22 07 19 00-0314</b>		<b>3/4" Wall Flexible Polyethylene Tubing Foam Insulation</b> (22 07 19 00-0289)		
	22 07 19 00-0315	LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.62	3.78
		<i>For Work In Restricted Working Space, Add</i>	2.27	
	22 07 19 00-0316	LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.73	3.83
		<i>For Work In Restricted Working Space, Add</i>	2.30	
	22 07 19 00-0317	LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.33	3.95
		<i>For Work In Restricted Working Space, Add</i>	2.37	
	22 07 19 00-0318	LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.60	4.00
		<i>For Work In Restricted Working Space, Add</i>	2.40	
	22 07 19 00-0319	LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.35	4.11
		<i>For Work In Restricted Working Space, Add</i>	2.47	
	22 07 19 00-0320	LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	11.14	4.18
		<i>For Work In Restricted Working Space, Add</i>	2.50	
	22 07 19 00-0321	LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	11.49	4.20
		<i>For Work In Restricted Working Space, Add</i>	2.52	
	22 07 19 00-0322	LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.96	4.23
		<i>For Work In Restricted Working Space, Add</i>	2.54	
	22 07 19 00-0323	LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	14.96	4.33
		<i>For Work In Restricted Working Space, Add</i>	2.60	
	22 07 19 00-0324	LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	15.07	4.40
		<i>For Work In Restricted Working Space, Add</i>	2.64	
	22 07 19 00-0325	LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	16.51	4.45
		<i>For Work In Restricted Working Space, Add</i>	2.67	
	22 07 19 00-0326	LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	17.11	4.51
		<i>For Work In Restricted Working Space, Add</i>	2.71	
<b>22 07 19 00-0327</b>		<b>1" Wall Flexible Polyethylene Tubing Foam Insulation</b> (22 07 19 00-0289)		
	22 07 19 00-0328	LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.85	4.18
		<i>For Work In Restricted Working Space, Add</i>	2.50	
	22 07 19 00-0329	LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.12	4.23
		<i>For Work In Restricted Working Space, Add</i>	2.54	
	22 07 19 00-0330	LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.99	4.33
		<i>For Work In Restricted Working Space, Add</i>	2.60	
	22 07 19 00-0331	LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.25	4.40
		<i>For Work In Restricted Working Space, Add</i>	2.64	
	22 07 19 00-0332	LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.57	4.51
		<i>For Work In Restricted Working Space, Add</i>	2.71	
	22 07 19 00-0333	LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	13.21	4.62
		<i>For Work In Restricted Working Space, Add</i>	2.77	
	22 07 19 00-0334	LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	13.47	4.68
		<i>For Work In Restricted Working Space, Add</i>	2.81	
	22 07 19 00-0335	LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.76	4.73
		<i>For Work In Restricted Working Space, Add</i>	2.84	
	22 07 19 00-0336	LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	15.66	4.86
		<i>For Work In Restricted Working Space, Add</i>	2.91	
	22 07 19 00-0337	LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	16.46	4.91
		<i>For Work In Restricted Working Space, Add</i>	2.94	
<b>22 07 19 00-0338</b>		<b>Flexible Elastomeric Tubing Closed Cell Foam Insulation</b> (22 07 19)		
		Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
<b>22 07 19 00-0339</b>		<b>3/8" Wall Flexible Elastomeric Tubing Foam Insulation</b> (22 07 19 00-0338)		
	22 07 19 00-0340	LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.23	3.21
		<i>For Work In Restricted Working Space, Add</i>	1.93	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0341	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.36	3.21	
		<i>For Work In Restricted Working Space, Add</i>	1.93		
22 07 19 00-0342	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.66	3.32	
		<i>For Work In Restricted Working Space, Add</i>	2.00		
22 07 19 00-0343	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.84	3.38	
		<i>For Work In Restricted Working Space, Add</i>	2.03		
22 07 19 00-0344	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.04	3.44	
		<i>For Work In Restricted Working Space, Add</i>	2.06		
22 07 19 00-0345	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	8.30	3.50	
		<i>For Work In Restricted Working Space, Add</i>	2.10		
22 07 19 00-0346	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	8.53	3.56	
		<i>For Work In Restricted Working Space, Add</i>	2.13		
22 07 19 00-0347	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	8.78	3.56	
		<i>For Work In Restricted Working Space, Add</i>	2.14		
22 07 19 00-0348	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	8.99	3.56	
		<i>For Work In Restricted Working Space, Add</i>	2.15		
22 07 19 00-0349	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.20	3.61	
		<i>For Work In Restricted Working Space, Add</i>	2.16		
22 07 19 00-0350	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	9.51	3.66	
		<i>For Work In Restricted Working Space, Add</i>	2.20		
22 07 19 00-0351	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	9.78	3.66	
		<i>For Work In Restricted Working Space, Add</i>	2.21		
22 07 19 00-0352	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	9.96	3.73	
		<i>For Work In Restricted Working Space, Add</i>	2.23		
22 07 19 00-0353	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	10.25	3.73	
		<i>For Work In Restricted Working Space, Add</i>	2.25		
22 07 19 00-0354	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	10.86	3.78	
		<i>For Work In Restricted Working Space, Add</i>	2.27		
22 07 19 00-0355	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	11.57	3.83	
		<i>For Work In Restricted Working Space, Add</i>	2.30		
22 07 19 00-0356	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	12.35	3.86	
		<i>For Work In Restricted Working Space, Add</i>	2.32		
<b>22 07 19 00-0357</b>		<b>1/2" Wall Flexible Elastomeric Tubing Foam Insulation</b> <small>(22 07 19 00-0338)</small>			
22 07 19 00-0358	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.20	3.50	
		<i>For Work In Restricted Working Space, Add</i>	2.10		
22 07 19 00-0359	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.32	3.50	
		<i>For Work In Restricted Working Space, Add</i>	2.11		
22 07 19 00-0360	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.45	3.56	
		<i>For Work In Restricted Working Space, Add</i>	2.13		
22 07 19 00-0361	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.65	3.56	
		<i>For Work In Restricted Working Space, Add</i>	2.14		
22 07 19 00-0362	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.80	3.56	
		<i>For Work In Restricted Working Space, Add</i>	2.15		
22 07 19 00-0363	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	9.17	3.66	
		<i>For Work In Restricted Working Space, Add</i>	2.20		
22 07 19 00-0364	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	9.53	3.73	
		<i>For Work In Restricted Working Space, Add</i>	2.23		
22 07 19 00-0365	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	9.85	3.78	
		<i>For Work In Restricted Working Space, Add</i>	2.27		
22 07 19 00-0366	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	10.17	3.81	
		<i>For Work In Restricted Working Space, Add</i>	2.28		
22 07 19 00-0367	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	10.44	3.83	
		<i>For Work In Restricted Working Space, Add</i>	2.30		
22 07 19 00-0368	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	11.46	3.90	
		<i>For Work In Restricted Working Space, Add</i>	2.34		
22 07 19 00-0369	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	12.06	3.95	
		<i>For Work In Restricted Working Space, Add</i>	2.37		
22 07 19 00-0370	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	12.53	3.98	
		<i>For Work In Restricted Working Space, Add</i>	2.39		
22 07 19 00-0371	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	12.91	4.00	
		<i>For Work In Restricted Working Space, Add</i>	2.40		
22 07 19 00-0372	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	13.19	4.04	
		<i>For Work In Restricted Working Space, Add</i>	2.42		
22 07 19 00-0373	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	13.44	4.06	
		<i>For Work In Restricted Working Space, Add</i>	2.44		
22 07 19 00-0374	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	14.60	4.11	
		<i>For Work In Restricted Working Space, Add</i>	2.47		
22 07 19 00-0375	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	14.88	4.14	
		<i>For Work In Restricted Working Space, Add</i>	2.49		
22 07 19 00-0376	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	16.02	4.18	
		<i>For Work In Restricted Working Space, Add</i>	2.50		
22 07 19 00-0377	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	17.35	4.28	
		<i>For Work In Restricted Working Space, Add</i>	2.57		
22 07 19 00-0378	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	18.85	4.40	
		<i>For Work In Restricted Working Space, Add</i>	2.64		
<b>22 07 19 00-0379</b>		<b>3/4" Wall Flexible Elastomeric Tubing Foam Insulation</b> <small>(22 07 19 00-0338)</small>			
22 07 19 00-0380	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.50	3.78	
		<i>For Work In Restricted Working Space, Add</i>	2.27		
22 07 19 00-0381	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.78	3.83	
		<i>For Work In Restricted Working Space, Add</i>	2.30		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0382 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.19	3.95
<i>For Work In Restricted Working Space, Add</i>	2.37	
22 07 19 00-0383 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.45	3.98
<i>For Work In Restricted Working Space, Add</i>	2.39	
22 07 19 00-0384 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.55	4.00
<i>For Work In Restricted Working Space, Add</i>	2.40	
22 07 19 00-0385 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	11.16	4.11
<i>For Work In Restricted Working Space, Add</i>	2.47	
22 07 19 00-0386 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	11.67	4.18
<i>For Work In Restricted Working Space, Add</i>	2.50	
22 07 19 00-0387 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	12.16	4.23
<i>For Work In Restricted Working Space, Add</i>	2.54	
22 07 19 00-0388 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	12.30	4.23
<i>For Work In Restricted Working Space, Add</i>	2.54	
22 07 19 00-0389 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	12.49	4.26
<i>For Work In Restricted Working Space, Add</i>	2.56	
22 07 19 00-0390 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	13.08	4.28
<i>For Work In Restricted Working Space, Add</i>	2.57	
22 07 19 00-0391 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	13.40	4.33
<i>For Work In Restricted Working Space, Add</i>	2.60	
22 07 19 00-0392 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	14.08	4.37
<i>For Work In Restricted Working Space, Add</i>	2.62	
22 07 19 00-0393 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	14.56	4.40
<i>For Work In Restricted Working Space, Add</i>	2.64	
22 07 19 00-0394 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	15.28	4.43
<i>For Work In Restricted Working Space, Add</i>	2.66	
22 07 19 00-0395 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	15.55	4.45
<i>For Work In Restricted Working Space, Add</i>	2.67	
22 07 19 00-0396 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	16.64	4.51
<i>For Work In Restricted Working Space, Add</i>	2.71	
22 07 19 00-0397 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	17.50	4.54
<i>For Work In Restricted Working Space, Add</i>	2.72	
22 07 19 00-0398 LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	18.97	4.56
<i>For Work In Restricted Working Space, Add</i>	2.74	
22 07 19 00-0399 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	20.50	4.62
<i>For Work In Restricted Working Space, Add</i>	2.77	
22 07 19 00-0400 LF 8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	22.36	4.73
<i>For Work In Restricted Working Space, Add</i>	2.84	
<b>22 07 19 00-0401 1" Wall Flexible Elastomeric Tubing Foam Insulation</b> <small>(22 07 19 00-0398)</small>		
22 07 19 00-0402 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.18	4.16
<i>For Work In Restricted Working Space, Add</i>	2.50	
22 07 19 00-0403 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.54	4.23
<i>For Work In Restricted Working Space, Add</i>	2.54	
22 07 19 00-0404 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.97	4.33
<i>For Work In Restricted Working Space, Add</i>	2.60	
22 07 19 00-0405 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.35	4.37
<i>For Work In Restricted Working Space, Add</i>	2.62	
22 07 19 00-0406 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.69	4.40
<i>For Work In Restricted Working Space, Add</i>	2.64	
22 07 19 00-0407 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	13.25	4.51
<i>For Work In Restricted Working Space, Add</i>	2.71	
22 07 19 00-0408 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	14.15	4.62
<i>For Work In Restricted Working Space, Add</i>	2.77	
22 07 19 00-0409 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	14.61	4.62
<i>For Work In Restricted Working Space, Add</i>	2.81	
22 07 19 00-0410 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	15.23	4.68
<i>For Work In Restricted Working Space, Add</i>	2.83	
22 07 19 00-0411 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	15.45	4.73
<i>For Work In Restricted Working Space, Add</i>	2.84	
22 07 19 00-0412 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	16.79	4.80
<i>For Work In Restricted Working Space, Add</i>	2.88	
22 07 19 00-0413 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	17.83	4.86
<i>For Work In Restricted Working Space, Add</i>	2.91	
22 07 19 00-0414 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	19.16	4.89
<i>For Work In Restricted Working Space, Add</i>	2.93	
22 07 19 00-0415 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	19.54	4.91
<i>For Work In Restricted Working Space, Add</i>	2.94	
22 07 19 00-0416 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	20.23	4.94
<i>For Work In Restricted Working Space, Add</i>	2.96	
22 07 19 00-0417 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	20.57	4.96
<i>For Work In Restricted Working Space, Add</i>	2.98	
22 07 19 00-0418 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	23.10	5.08
<i>For Work In Restricted Working Space, Add</i>	3.04	
22 07 19 00-0419 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	24.82	5.13
<i>For Work In Restricted Working Space, Add</i>	3.08	
22 07 19 00-0420 LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	27.35	5.19
<i>For Work In Restricted Working Space, Add</i>	3.11	
22 07 19 00-0421 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	30.03	5.30
<i>For Work In Restricted Working Space, Add</i>	3.18	
<b>22 07 19 00-0422 1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation</b> <small>(22 07 19 00-0398)</small>		

**22 Plumbing**  
**22 07 Plumbing Insulation**  
**22 07 19 Plumbing Piping Insulation**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0423	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	17.42	4.67	
		<i>For Work In Restricted Working Space, Add</i>	2.80		
22 07 19 00-0424	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	17.86	4.77	
		<i>For Work In Restricted Working Space, Add</i>	2.87		
22 07 19 00-0425	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	18.26	4.80	
		<i>For Work In Restricted Working Space, Add</i>	2.88		
22 07 19 00-0426	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	18.64	4.85	
		<i>For Work In Restricted Working Space, Add</i>	2.90		
22 07 19 00-0427	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	19.17	4.95	
		<i>For Work In Restricted Working Space, Add</i>	2.96		
22 07 19 00-0428	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	20.05	5.13	
		<i>For Work In Restricted Working Space, Add</i>	3.08		
22 07 19 00-0429	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	21.29	5.06	
		<i>For Work In Restricted Working Space, Add</i>	3.10		
22 07 19 00-0430	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	22.38	5.18	
		<i>For Work In Restricted Working Space, Add</i>	3.14		
22 07 19 00-0431	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	23.04	5.30	
		<i>For Work In Restricted Working Space, Add</i>	3.18		
22 07 19 00-0432	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	25.12	5.37	
		<i>For Work In Restricted Working Space, Add</i>	3.21		
22 07 19 00-0433	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	27.10	5.43	
		<i>For Work In Restricted Working Space, Add</i>	3.25		
22 07 19 00-0434	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	28.03	5.45	
		<i>For Work In Restricted Working Space, Add</i>	3.26		
22 07 19 00-0435	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	28.96	5.46	
		<i>For Work In Restricted Working Space, Add</i>	3.29		
22 07 19 00-0436	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	30.04	5.50	
		<i>For Work In Restricted Working Space, Add</i>	3.30		
22 07 19 00-0437	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	30.72	5.52	
		<i>For Work In Restricted Working Space, Add</i>	3.31		
22 07 19 00-0438	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	34.41	5.72	
		<i>For Work In Restricted Working Space, Add</i>	3.42		
22 07 19 00-0439	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	36.40	5.80	
		<i>For Work In Restricted Working Space, Add</i>	3.48		
22 07 19 00-0440	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	41.20	5.89	
		<i>For Work In Restricted Working Space, Add</i>	3.54		
22 07 19 00-0441	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	45.96	6.07	
		<i>For Work In Restricted Working Space, Add</i>	3.64		
<b>22 07 19 00-0442</b>		<b>2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0338)</b>			
22 07 19 00-0443	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	25.53	5.15	
		<i>For Work In Restricted Working Space, Add</i>	3.09		
22 07 19 00-0444	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	26.56	5.23	
		<i>For Work In Restricted Working Space, Add</i>	3.16		
22 07 19 00-0445	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	28.36	5.27	
		<i>For Work In Restricted Working Space, Add</i>	3.17		
22 07 19 00-0446	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	28.97	5.31	
		<i>For Work In Restricted Working Space, Add</i>	3.18		
22 07 19 00-0447	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	30.46	5.42	
		<i>For Work In Restricted Working Space, Add</i>	3.25		
22 07 19 00-0448	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	32.28	5.68	
		<i>For Work In Restricted Working Space, Add</i>	3.40		
22 07 19 00-0449	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	33.38	5.54	
		<i>For Work In Restricted Working Space, Add</i>	3.43		
22 07 19 00-0450	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	35.33	5.73	
		<i>For Work In Restricted Working Space, Add</i>	3.49		
22 07 19 00-0451	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	37.19	5.92	
		<i>For Work In Restricted Working Space, Add</i>	3.56		
22 07 19 00-0452	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	38.45	6.00	
		<i>For Work In Restricted Working Space, Add</i>	3.59		
22 07 19 00-0453	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	41.03	6.07	
		<i>For Work In Restricted Working Space, Add</i>	3.62		
22 07 19 00-0454	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	41.34	6.08	
		<i>For Work In Restricted Working Space, Add</i>	3.65		
22 07 19 00-0455	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	43.76	6.09	
		<i>For Work In Restricted Working Space, Add</i>	3.67		
22 07 19 00-0456	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	45.43	6.12	
		<i>For Work In Restricted Working Space, Add</i>	3.68		
22 07 19 00-0457	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	47.22	6.16	
		<i>For Work In Restricted Working Space, Add</i>	3.69		
22 07 19 00-0458	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	53.14	6.44	
		<i>For Work In Restricted Working Space, Add</i>	3.85		
22 07 19 00-0459	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	56.59	6.57	
		<i>For Work In Restricted Working Space, Add</i>	3.94		
22 07 19 00-0460	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	57.60	6.70	
		<i>For Work In Restricted Working Space, Add</i>	4.02		
22 07 19 00-0461	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	64.75	6.97	
		<i>For Work In Restricted Working Space, Add</i>	4.18		

**22 07 19 00-0462 Flexible Polyolefin Tubing Closed Cell Foam Insulation (22 07 19)**  
 Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 07 19 00-0463</b> <b>3/8" Wall Flexible Polyolefin Tubing Foam Insulation</b> <small>(22 07 19 00-0462)</small>		
22 07 19 00-0464    LF   1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	6.94	3.21
For Work In Restricted Working Space, Add	1.93	
22 07 19 00-0465    LF   3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.02	3.21
For Work In Restricted Working Space, Add	1.93	
22 07 19 00-0466    LF   1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.28	3.32
For Work In Restricted Working Space, Add	2.00	
22 07 19 00-0467    LF   3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.59	3.44
For Work In Restricted Working Space, Add	2.06	
22 07 19 00-0468    LF   1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.80	3.50
For Work In Restricted Working Space, Add	2.10	
22 07 19 00-0469    LF   1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	8.14	3.56
For Work In Restricted Working Space, Add	2.13	
22 07 19 00-0470    LF   1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	8.41	3.56
For Work In Restricted Working Space, Add	2.14	
22 07 19 00-0471    LF   2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.60	3.66
For Work In Restricted Working Space, Add	2.15	
22 07 19 00-0472    LF   2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	9.45	3.66
For Work In Restricted Working Space, Add	2.21	
22 07 19 00-0473    LF   3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.22	3.73
For Work In Restricted Working Space, Add	2.25	
22 07 19 00-0474    LF   4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.16	3.83
For Work In Restricted Working Space, Add	2.30	
<b>22 07 19 00-0475</b> <b>1/2" Wall Flexible Polyolefin Tubing Foam Insulation</b> <small>(22 07 19 00-0462)</small>		
22 07 19 00-0476    LF   1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.77	3.50
For Work In Restricted Working Space, Add	2.10	
22 07 19 00-0477    LF   3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.85	3.50
For Work In Restricted Working Space, Add	2.11	
22 07 19 00-0478    LF   1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.00	3.56
For Work In Restricted Working Space, Add	2.13	
22 07 19 00-0479    LF   3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.22	3.56
For Work In Restricted Working Space, Add	2.15	
22 07 19 00-0480    LF   1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.48	3.66
For Work In Restricted Working Space, Add	2.20	
22 07 19 00-0481    LF   1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	8.86	3.73
For Work In Restricted Working Space, Add	2.23	
22 07 19 00-0482    LF   1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	9.29	3.78
For Work In Restricted Working Space, Add	2.27	
22 07 19 00-0483    LF   2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.70	3.83
For Work In Restricted Working Space, Add	2.30	
22 07 19 00-0484    LF   2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	10.61	3.95
For Work In Restricted Working Space, Add	2.37	
22 07 19 00-0485    LF   3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	11.42	4.00
For Work In Restricted Working Space, Add	2.40	
22 07 19 00-0486    LF   4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.95	4.11
For Work In Restricted Working Space, Add	2.47	
<b>22 07 19 00-0487</b> <b>3/4" Wall Flexible Polyolefin Tubing Foam Insulation</b> <small>(22 07 19 00-0462)</small>		
22 07 19 00-0488    LF   1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.73	3.78
For Work In Restricted Working Space, Add	2.27	
22 07 19 00-0489    LF   3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.03	3.83
For Work In Restricted Working Space, Add	2.30	
22 07 19 00-0490    LF   1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.39	3.95
For Work In Restricted Working Space, Add	2.37	
22 07 19 00-0491    LF   3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.94	4.00
For Work In Restricted Working Space, Add	2.40	
22 07 19 00-0492    LF   1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.46	4.11
For Work In Restricted Working Space, Add	2.47	
22 07 19 00-0493    LF   1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	11.36	4.18
For Work In Restricted Working Space, Add	2.50	
22 07 19 00-0494    LF   1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	11.93	4.18
For Work In Restricted Working Space, Add	2.52	
22 07 19 00-0495    LF   2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.60	4.23
For Work In Restricted Working Space, Add	2.54	
22 07 19 00-0496    LF   2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	13.88	4.33
For Work In Restricted Working Space, Add	2.60	
22 07 19 00-0497    LF   3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	15.05	4.40
For Work In Restricted Working Space, Add	2.64	
22 07 19 00-0498    LF   4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	17.28	4.51
For Work In Restricted Working Space, Add	2.71	
<b>22 07 19 00-0499</b> <b>1" Wall Flexible Polyolefin Tubing Foam Insulation</b> <small>(22 07 19 00-0462)</small>		
22 07 19 00-0500    LF   1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.39	4.18
For Work In Restricted Working Space, Add	2.50	
22 07 19 00-0501    LF   3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.55	4.23
For Work In Restricted Working Space, Add	2.54	
22 07 19 00-0502    LF   1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.91	4.33
For Work In Restricted Working Space, Add	2.60	

**22 Plumbing**  
**22 07 Plumbing Insulation**  
**22 07 19 Plumbing Piping Insulation**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0503 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.71 2.64	4.40
22 07 19 00-0504 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.38 2.71	4.51
22 07 19 00-0505 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.06 2.77	4.62
22 07 19 00-0506 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.72 2.81	4.62
22 07 19 00-0507 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.20 2.84	4.73
22 07 19 00-0508 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	17.17 2.91	4.86
22 07 19 00-0509 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	18.58 2.94	4.91
<b>22 07 19 00-0510 Insulation Protective Jacketing</b> <small>(22 07 19)</small> Note: Jacketing only and to be added to insulation prices when required.		
<b>22 07 19 00-0511 Aluminum Insulation Protective Jacketing With Bands</b> <small>(22 07 19 00-0510)</small>		
<b>22 07 19 00-0512 Aluminum Roll, Insulation Protective Jacketing With Bands</b> <small>(22 07 19 00-0511)</small>		
22 07 19 00-0513 SF 0.006" Aluminum Insulation Jacket With Bands.....	16.27	6.87
22 07 19 00-0514 SF 0.010" Aluminum Insulation Jacket With Bands.....	16.59	6.87
22 07 19 00-0515 SF 0.016" Aluminum Insulation Jacket With Bands.....	16.89	6.87
22 07 19 00-0516 SF 0.020" Aluminum Insulation Jacket With Bands.....	17.17	6.87
22 07 19 00-0517 SF 0.024" Aluminum Insulation Jacket With Bands.....	17.43	6.87
<b>22 07 19 00-0518 16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands</b> <small>(22 07 19 00-0511)</small>		
22 07 19 00-0519 LF 1/2" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.19 0.00 0.01	1.95
22 07 19 00-0520 LF 3/4" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.48 0.00 0.01	1.99
22 07 19 00-0521 LF 1" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.78 0.01 0.02	2.05
22 07 19 00-0522 LF 1-1/4" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.10 0.01 0.02	2.10
22 07 19 00-0523 LF 1-1/2" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.33 0.01 0.02	2.13
22 07 19 00-0524 LF 1-3/4" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.57 0.01 0.02	2.16
22 07 19 00-0525 LF 2" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.85 0.01 0.03	2.21
22 07 19 00-0526 LF 2-1/4" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.17 0.01 0.03	2.25
22 07 19 00-0527 LF 2-1/2" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.48 0.01 0.03	2.30
22 07 19 00-0528 LF 2-3/4" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.74 0.01 0.04	2.34
22 07 19 00-0529 LF 3" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.07 0.02 0.04	2.39
22 07 19 00-0530 LF 3-1/4" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.40 0.02 0.04	2.44
22 07 19 00-0531 LF 3-1/2" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.74 0.02 0.04	2.50
22 07 19 00-0532 LF 3-3/4" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.04 0.02 0.05	2.54
22 07 19 00-0533 LF 4" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.39 0.02 0.05	2.60
22 07 19 00-0534 LF 4-1/4" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.76 0.02 0.05	2.67
22 07 19 00-0535 LF 4-1/2" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.16 0.02 0.06	2.73
22 07 19 00-0536 LF 4-3/4" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.48 0.02 0.06	2.79





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0537 LF 5" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.89 0.02 0.06	2.86
22 07 19 00-0538 LF 5-1/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.33 0.03 0.06	2.94
22 07 19 00-0539 LF 5-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.68 0.03 0.07	3.00
22 07 19 00-0540 LF 5-3/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.16 0.03 0.07	3.09
22 07 19 00-0541 LF 6" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.63 0.03 0.07	3.18
22 07 19 00-0542 LF 6-1/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.94 0.03 0.08	3.22
22 07 19 00-0543 LF 6-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.24 0.03 0.08	3.27
22 07 19 00-0544 LF 7" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.76 0.03 0.08	3.35
22 07 19 00-0545 LF 7-1/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.20 0.03 0.09	3.44
22 07 19 00-0546 LF 7-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.53 0.04 0.09	3.50
22 07 19 00-0547 LF 8" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.99 0.04 0.09	3.56
22 07 19 00-0548 LF 8-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.46 0.04 0.10	3.61
22 07 19 00-0549 LF 9" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.05 0.04 0.11	3.70
22 07 19 00-0550 LF 9-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.55 0.04 0.11	3.77
22 07 19 00-0551 LF 10" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.04 0.05 0.12	3.84
22 07 19 00-0552 LF 10-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.55 0.05 0.12	3.90
22 07 19 00-0553 LF 11" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.21 0.05 0.13	4.01
22 07 19 00-0554 LF 11-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.76 0.05 0.14	4.09
22 07 19 00-0555 LF 12" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.29 0.06 0.14	4.17
22 07 19 00-0556 LF 12-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.02 0.06 0.15	4.29
22 07 19 00-0557 LF 13" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.42 0.06 0.15	4.34
22 07 19 00-0558 LF 14" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.06 0.07 0.16	4.38
22 07 19 00-0559 LF 15" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.87 0.07 0.17	4.47
22 07 19 00-0560 LF 16" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.53 0.07 0.19	4.52
22 07 19 00-0561 LF 17" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.37 0.08 0.20	4.61
22 07 19 00-0562 LF 18" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.88 0.08 0.21	4.66
22 07 19 00-0563 LF 19" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.89 0.09 0.22	4.78
22 07 19 00-0564 LF 20" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.57 0.09 0.23	4.83

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0565 LF 21" ID, 0.016" Aluminum Insulation Jacketing.....	29.47	4.94
For Stucco Embossed, Add	0.10	
For Corrugated, Add	0.24	
22 07 19 00-0566 LF 22" ID, 0.016" Aluminum Insulation Jacketing.....	30.14	5.00
For Stucco Embossed, Add	0.10	
For Corrugated, Add	0.25	
22 07 19 00-0567 LF 23" ID, 0.016" Aluminum Insulation Jacketing.....	31.09	5.11
For Stucco Embossed, Add	0.11	
For Corrugated, Add	0.27	
22 07 19 00-0568 LF 24" ID, 0.016" Aluminum Insulation Jacketing.....	31.78	5.18
For Stucco Embossed, Add	0.11	
For Corrugated, Add	0.28	
<b>22 07 19 00-0569 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0511)</b>		
22 07 19 00-0570 LF 1/2" ID, 0.020" Aluminum Insulation Jacketing.....	9.06	2.15
For Stucco Embossed, Add	0.00	
For Corrugated, Add	0.01	
22 07 19 00-0571 LF 3/4" ID, 0.020" Aluminum Insulation Jacketing.....	9.40	2.20
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	
22 07 19 00-0572 LF 1" ID, 0.020" Aluminum Insulation Jacketing.....	9.77	2.25
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	
22 07 19 00-0573 LF 1-1/4" ID, 0.020" Aluminum Insulation Jacketing.....	10.13	2.31
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	
22 07 19 00-0574 LF 1-1/2" ID, 0.020" Aluminum Insulation Jacketing.....	10.40	2.34
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.03	
22 07 19 00-0575 LF 1-3/4" ID, 0.020" Aluminum Insulation Jacketing.....	10.69	2.38
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.03	
22 07 19 00-0576 LF 2" ID, 0.020" Aluminum Insulation Jacketing.....	11.03	2.42
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.03	
22 07 19 00-0577 LF 2-1/4" ID, 0.020" Aluminum Insulation Jacketing.....	11.37	2.47
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.04	
22 07 19 00-0578 LF 2-1/2" ID, 0.020" Aluminum Insulation Jacketing.....	11.74	2.53
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.04	
22 07 19 00-0579 LF 2-3/4" ID, 0.020" Aluminum Insulation Jacketing.....	12.05	2.57
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.04	
22 07 19 00-0580 LF 3" ID, 0.020" Aluminum Insulation Jacketing.....	12.44	2.62
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0581 LF 3-1/4" ID, 0.020" Aluminum Insulation Jacketing.....	12.83	2.68
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0582 LF 3-1/2" ID, 0.020" Aluminum Insulation Jacketing.....	13.21	2.75
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.06	
22 07 19 00-0583 LF 3-3/4" ID, 0.020" Aluminum Insulation Jacketing.....	13.55	2.79
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.06	
22 07 19 00-0584 LF 4" ID, 0.020" Aluminum Insulation Jacketing.....	13.97	2.86
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.06	
22 07 19 00-0585 LF 4-1/4" ID, 0.020" Aluminum Insulation Jacketing.....	14.40	2.93
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0586 LF 4-1/2" ID, 0.020" Aluminum Insulation Jacketing.....	14.86	3.01
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0587 LF 4-3/4" ID, 0.020" Aluminum Insulation Jacketing.....	15.23	3.06
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0588 LF 5" ID, 0.020" Aluminum Insulation Jacketing.....	15.69	3.15
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0589 LF 5-1/4" ID, 0.020" Aluminum Insulation Jacketing.....	16.20	3.23
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0590 LF 5-1/2" ID, 0.020" Aluminum Insulation Jacketing.....	16.61	3.30
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0591 LF 5-3/4" ID, 0.020" Aluminum Insulation Jacketing.....	17.14	3.40
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.09	
22 07 19 00-0592 LF 6" ID, 0.020" Aluminum Insulation Jacketing.....	17.68	3.50
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0593 LF 6-1/4" ID, 0.020" Aluminum Insulation Jacketing .....	18.04	3.56
<i>For Stucco Embossed, Add</i>	0.04	
<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0594 LF 6-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	18.41	3.61
<i>For Stucco Embossed, Add</i>	0.04	
<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0595 LF 7" ID, 0.020" Aluminum Insulation Jacketing .....	19.01	3.69
<i>For Stucco Embossed, Add</i>	0.04	
<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0596 LF 7-1/4" ID, 0.020" Aluminum Insulation Jacketing .....	19.50	3.78
<i>For Stucco Embossed, Add</i>	0.04	
<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0597 LF 7-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	19.89	3.84
<i>For Stucco Embossed, Add</i>	0.05	
<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0598 LF 8" ID, 0.020" Aluminum Insulation Jacketing .....	20.45	3.91
<i>For Stucco Embossed, Add</i>	0.05	
<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0599 LF 8-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	20.98	3.97
<i>For Stucco Embossed, Add</i>	0.05	
<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0600 LF 9" ID, 0.020" Aluminum Insulation Jacketing .....	21.68	4.07
<i>For Stucco Embossed, Add</i>	0.05	
<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0601 LF 9-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	22.26	4.14
<i>For Stucco Embossed, Add</i>	0.06	
<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0602 LF 10" ID, 0.020" Aluminum Insulation Jacketing .....	22.85	4.22
<i>For Stucco Embossed, Add</i>	0.06	
<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0603 LF 10-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	23.44	4.29
<i>For Stucco Embossed, Add</i>	0.06	
<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0604 LF 11" ID, 0.0106 Aluminum Insulation Jacketing .....	24.21	4.41
<i>For Stucco Embossed, Add</i>	0.07	
<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0605 LF 11-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	24.84	4.50
<i>For Stucco Embossed, Add</i>	0.07	
<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0606 LF 12" ID, 0.020" Aluminum Insulation Jacketing .....	25.49	4.58
<i>For Stucco Embossed, Add</i>	0.07	
<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0607 LF 12-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	26.31	4.72
<i>For Stucco Embossed, Add</i>	0.07	
<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0608 LF 13" ID, 0.020" Aluminum Insulation Jacketing .....	26.79	4.78
<i>For Stucco Embossed, Add</i>	0.08	
<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0609 LF 14" ID, 0.020" Aluminum Insulation Jacketing .....	27.58	4.82
<i>For Stucco Embossed, Add</i>	0.08	
<i>For Corrugated, Add</i>	0.21	
22 07 19 00-0610 LF 15" ID, 0.020" Aluminum Insulation Jacketing .....	28.56	4.92
<i>For Stucco Embossed, Add</i>	0.09	
<i>For Corrugated, Add</i>	0.22	
22 07 19 00-0611 LF 16" ID, 0.020" Aluminum Insulation Jacketing .....	29.35	4.98
<i>For Stucco Embossed, Add</i>	0.09	
<i>For Corrugated, Add</i>	0.24	
22 07 19 00-0612 LF 17" ID, 0.020" Aluminum Insulation Jacketing .....	30.35	5.08
<i>For Stucco Embossed, Add</i>	0.10	
<i>For Corrugated, Add</i>	0.25	
22 07 19 00-0613 LF 18" ID, 0.020" Aluminum Insulation Jacketing .....	30.95	5.14
<i>For Stucco Embossed, Add</i>	0.10	
<i>For Corrugated, Add</i>	0.26	
22 07 19 00-0614 LF 19" ID, 0.020" Aluminum Insulation Jacketing .....	32.18	5.25
<i>For Stucco Embossed, Add</i>	0.11	
<i>For Corrugated, Add</i>	0.28	
22 07 19 00-0615 LF 20" ID, 0.020" Aluminum Insulation Jacketing .....	33.01	5.31
<i>For Stucco Embossed, Add</i>	0.12	
<i>For Corrugated, Add</i>	0.29	
22 07 19 00-0616 LF 21" ID, 0.020" Aluminum Insulation Jacketing .....	34.07	5.43
<i>For Stucco Embossed, Add</i>	0.12	
<i>For Corrugated, Add</i>	0.31	
22 07 19 00-0617 LF 22" ID, 0.020" Aluminum Insulation Jacketing .....	34.89	5.49
<i>For Stucco Embossed, Add</i>	0.13	
<i>For Corrugated, Add</i>	0.32	
22 07 19 00-0618 LF 23" ID, 0.020" Aluminum Insulation Jacketing .....	36.01	5.62
<i>For Stucco Embossed, Add</i>	0.14	
<i>For Corrugated, Add</i>	0.34	
22 07 19 00-0619 LF 24" ID, 0.020" Aluminum Insulation Jacketing .....	36.85	5.69
<i>For Stucco Embossed, Add</i>	0.14	
<i>For Corrugated, Add</i>	0.35	

22 07 19 00-0620 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0511)

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0621 LF 1/2" ID, 0.024" Aluminum Insulation Jacketing.....	9.95	2.34
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.01	
22 07 19 00-0622 LF 3/4" ID, 0.024" Aluminum Insulation Jacketing.....	10.34	2.40
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	
22 07 19 00-0623 LF 1" ID, 0.024" Aluminum Insulation Jacketing.....	10.73	2.46
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	
22 07 19 00-0624 LF 1-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	11.14	2.52
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.03	
22 07 19 00-0625 LF 1-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	11.47	2.55
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.03	
22 07 19 00-0626 LF 1-3/4" ID, 0.024" Aluminum Insulation Jacketing.....	11.79	2.59
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.04	
22 07 19 00-0627 LF 2" ID, 0.024" Aluminum Insulation Jacketing.....	12.17	2.64
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.04	
22 07 19 00-0628 LF 2-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	12.56	2.70
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.04	
22 07 19 00-0629 LF 2-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	12.98	2.76
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0630 LF 2-3/4" ID, 0.024" Aluminum Insulation Jacketing.....	13.34	2.80
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0631 LF 3" ID, 0.024" Aluminum Insulation Jacketing.....	13.78	2.86
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.06	
22 07 19 00-0632 LF 3-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	14.21	2.93
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.06	
22 07 19 00-0633 LF 3-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	14.65	2.99
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0634 LF 3-3/4" ID, 0.024" Aluminum Insulation Jacketing.....	15.04	3.05
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0635 LF 4" ID, 0.024" Aluminum Insulation Jacketing.....	15.50	3.12
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0636 LF 4-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	15.98	3.20
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0637 LF 4-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	16.50	3.28
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0638 LF 4-3/4" ID, 0.024" Aluminum Insulation Jacketing.....	16.94	3.34
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.09	
22 07 19 00-0639 LF 5" ID, 0.024" Aluminum Insulation Jacketing.....	17.46	3.44
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.09	
22 07 19 00-0640 LF 5-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	18.00	3.53
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.10	
22 07 19 00-0641 LF 5-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	18.48	3.61
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.10	
22 07 19 00-0642 LF 5-3/4" ID, 0.024" Aluminum Insulation Jacketing.....	19.08	3.71
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.11	
22 07 19 00-0643 LF 6" ID, 0.024" Aluminum Insulation Jacketing.....	19.69	3.82
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.11	
22 07 19 00-0644 LF 6-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	20.08	3.88
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.11	
22 07 19 00-0645 LF 6-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	20.50	3.93
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.12	
22 07 19 00-0646 LF 7" ID, 0.024" Aluminum Insulation Jacketing.....	21.18	4.03
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.13	
22 07 19 00-0647 LF 7-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	21.74	4.12
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.13	
22 07 19 00-0648 LF 7-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	22.17	4.19
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0649 LF 8" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.82 0.06 0.14	4.26
22 07 19 00-0650 LF 8-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.43 0.06 0.15	4.33
22 07 19 00-0651 LF 9" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.22 0.06 0.16	4.44
22 07 19 00-0652 LF 9-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.89 0.07 0.17	4.52
22 07 19 00-0653 LF 10" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.56 0.07 0.18	4.60
22 07 19 00-0654 LF 10-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.24 0.08 0.19	4.68
22 07 19 00-0655 LF 11" ID, 0.0106 Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.10 0.08 0.20	4.82
22 07 19 00-0656 LF 11-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.82 0.08 0.21	4.91
22 07 19 00-0657 LF 12" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.55 0.09 0.21	5.01
22 07 19 00-0658 LF 12-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.49 0.09 0.22	5.15
22 07 19 00-0659 LF 13" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.05 0.09 0.23	5.21
22 07 19 00-0660 LF 14" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.97 0.10 0.25	5.26
22 07 19 00-0661 LF 15" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.08 0.11 0.27	5.37
22 07 19 00-0662 LF 16" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.02 0.11 0.28	5.42
22 07 19 00-0663 LF 17" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.16 0.12 0.30	5.54
22 07 19 00-0664 LF 18" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.88 0.12 0.31	5.60
22 07 19 00-0665 LF 19" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.29 0.13 0.33	5.72
22 07 19 00-0666 LF 20" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.26 0.14 0.35	5.79
22 07 19 00-0667 LF 21" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.47 0.15 0.37	5.92
22 07 19 00-0668 LF 22" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	39.43 0.15 0.39	5.99
22 07 19 00-0669 LF 23" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	40.71 0.16 0.40	6.14
22 07 19 00-0670 LF 24" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	41.68 0.17 0.42	6.21
<b>22 07 19 00-0671 32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0511)</b>		
22 07 19 00-0672 LF 1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.16 0.01 0.02	2.60
22 07 19 00-0673 LF 3/4" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.63 0.01 0.03	2.66
22 07 19 00-0674 LF 1" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.11 0.01 0.03	2.72
22 07 19 00-0675 LF 1-1/4" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.60 0.01 0.04	2.79
22 07 19 00-0676 LF 1-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.00 0.02 0.04	2.83

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0677 LF 1-3/4" ID, 0.032" Aluminum Insulation Jacketing .....	13.39	2.87
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0678 LF 2" ID, 0.032" Aluminum Insulation Jacketing.....	13.87	2.93
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0679 LF 2-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	14.34	2.99
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.06	
22 07 19 00-0680 LF 2-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	14.86	3.05
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0681 LF 2-3/4" ID, 0.032" Aluminum Insulation Jacketing .....	15.28	3.10
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0682 LF 3" ID, 0.032" Aluminum Insulation Jacketing.....	15.81	3.17
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0683 LF 3-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	16.33	3.24
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0684 LF 3-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	16.86	3.32
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.09	
22 07 19 00-0685 LF 3-3/4" ID, 0.032" Aluminum Insulation Jacketing .....	17.33	3.37
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.10	
22 07 19 00-0686 LF 4" ID, 0.032" Aluminum Insulation Jacketing.....	17.88	3.47
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.10	
22 07 19 00-0687 LF 4-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	18.45	3.55
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.11	
22 07 19 00-0688 LF 4-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	19.08	3.64
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.11	
22 07 19 00-0689 LF 4-3/4" ID, 0.032" Aluminum Insulation Jacketing .....	19.59	3.71
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.12	
22 07 19 00-0690 LF 5" ID, 0.032" Aluminum Insulation Jacketing.....	20.22	3.81
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.12	
22 07 19 00-0691 LF 5-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	20.87	3.91
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.13	
22 07 19 00-0692 LF 5-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	21.43	3.99
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.14	
22 07 19 00-0693 LF 5-3/4" ID, 0.032" Aluminum Insulation Jacketing .....	22.13	4.11
For Stucco Embossed, Add	0.06	
For Corrugated, Add	0.14	
22 07 19 00-0694 LF 6" ID, 0.032" Aluminum Insulation Jacketing.....	22.85	4.23
For Stucco Embossed, Add	0.06	
For Corrugated, Add	0.15	
22 07 19 00-0695 LF 6-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	23.34	4.29
For Stucco Embossed, Add	0.06	
For Corrugated, Add	0.15	
22 07 19 00-0696 LF 6-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	23.83	4.36
For Stucco Embossed, Add	0.06	
For Corrugated, Add	0.16	
22 07 19 00-0697 LF 7" ID, 0.032" Aluminum Insulation Jacketing.....	24.67	4.46
For Stucco Embossed, Add	0.07	
For Corrugated, Add	0.17	
22 07 19 00-0698 LF 7-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	25.32	4.57
For Stucco Embossed, Add	0.07	
For Corrugated, Add	0.18	
22 07 19 00-0699 LF 7-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	25.86	4.64
For Stucco Embossed, Add	0.07	
For Corrugated, Add	0.18	
22 07 19 00-0700 LF 8" ID, 0.032" Aluminum Insulation Jacketing.....	26.63	4.72
For Stucco Embossed, Add	0.08	
For Corrugated, Add	0.19	
22 07 19 00-0701 LF 8-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	27.39	4.80
For Stucco Embossed, Add	0.08	
For Corrugated, Add	0.21	
22 07 19 00-0702 LF 9" ID, 0.032" Aluminum Insulation Jacketing.....	28.36	4.93
For Stucco Embossed, Add	0.09	
For Corrugated, Add	0.22	
22 07 19 00-0703 LF 9-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	29.18	5.01
For Stucco Embossed, Add	0.09	
For Corrugated, Add	0.23	
22 07 19 00-0704 LF 10" ID, 0.032" Aluminum Insulation Jacketing.....	30.00	5.10
For Stucco Embossed, Add	0.10	
For Corrugated, Add	0.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0705 LF 10-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.82 0.10 0.25	5.19
22 07 19 00-0706 LF 11" ID, 0.0106 Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.87 0.11 0.26	5.34
22 07 19 00-0707 LF 11-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.77 0.11 0.28	5.44
22 07 19 00-0708 LF 12" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.64 0.11 0.29	5.54
22 07 19 00-0709 LF 12-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.77 0.12 0.30	5.71
22 07 19 00-0710 LF 13" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.46 0.12 0.31	5.77
22 07 19 00-0711 LF 14" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.64 0.13 0.33	5.82
22 07 19 00-0712 LF 15" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.04 0.14 0.36	5.95
22 07 19 00-0713 LF 16" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	39.24 0.15 0.38	6.01
22 07 19 00-0714 LF 17" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	40.67 0.16 0.40	6.15
22 07 19 00-0715 LF 18" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	41.57 0.17 0.42	6.21
22 07 19 00-0716 LF 19" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	43.36 0.18 0.45	6.35
22 07 19 00-0717 LF 20" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	44.59 0.19 0.47	6.42
22 07 19 00-0718 LF 21" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	46.08 0.20 0.50	6.57
22 07 19 00-0719 LF 22" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	47.32 0.21 0.52	6.64
22 07 19 00-0720 LF 23" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	48.90 0.22 0.54	6.80
22 07 19 00-0721 LF 24" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	50.13 0.23 0.57	6.88
<b>22 07 19 00-0722 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0511)</small></b>		
22 07 19 00-0723 LF 1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.92 0.01 0.02	2.98
22 07 19 00-0724 LF 3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.48 0.01 0.03	3.05
22 07 19 00-0725 LF 1" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.06 0.02 0.04	3.13
22 07 19 00-0726 LF 1-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.64 0.02 0.05	3.20
22 07 19 00-0727 LF 1-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.13 0.02 0.05	3.25
22 07 19 00-0728 LF 1-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.62 0.02 0.06	3.30
22 07 19 00-0729 LF 2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.18 0.03 0.07	3.36
22 07 19 00-0730 LF 2-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.75 0.03 0.07	3.44
22 07 19 00-0731 LF 2-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.36 0.03 0.08	3.52
22 07 19 00-0732 LF 2-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.89 0.04 0.09	3.57

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0733	LF		3" ID, 0.040" Aluminum Insulation Jacketing.....	18.52	3.65
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0734	LF		3-1/4" ID, 0.040" Aluminum Insulation Jacketing .....	19.14	3.74
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0735	LF		3-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	19.78	3.82
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0736	LF		3-3/4" ID, 0.040" Aluminum Insulation Jacketing .....	20.32	3.89
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0737	LF		4" ID, 0.040" Aluminum Insulation Jacketing.....	21.00	3.98
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0738	LF		4-1/4" ID, 0.040" Aluminum Insulation Jacketing .....	21.68	4.08
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0739	LF		4-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	22.41	4.18
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0740	LF		4-3/4" ID, 0.040" Aluminum Insulation Jacketing .....	23.04	4.26
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0741	LF		5" ID, 0.040" Aluminum Insulation Jacketing.....	23.78	4.38
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0742	LF		5-1/4" ID, 0.040" Aluminum Insulation Jacketing .....	24.55	4.50
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0743	LF		5-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	25.21	4.59
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0744	LF		5-3/4" ID, 0.040" Aluminum Insulation Jacketing .....	26.07	4.72
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0745	LF		6" ID, 0.040" Aluminum Insulation Jacketing.....	26.91	4.87
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0746	LF		6-1/4" ID, 0.040" Aluminum Insulation Jacketing .....	27.49	4.94
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0747	LF		6-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	28.08	5.02
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.20	
22 07 19 00-0748	LF		7" ID, 0.040" Aluminum Insulation Jacketing.....	29.09	5.13
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.21	
22 07 19 00-0749	LF		7-1/4" ID, 0.040" Aluminum Insulation Jacketing .....	29.88	5.26
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.22	
22 07 19 00-0750	LF		7-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	30.51	5.34
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.23	
22 07 19 00-0751	LF		8" ID, 0.040" Aluminum Insulation Jacketing.....	31.44	5.43
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.24	
22 07 19 00-0752	LF		8-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	32.37	5.52
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.26	
22 07 19 00-0753	LF		9" ID, 0.040" Aluminum Insulation Jacketing.....	33.52	5.66
			<i>For Stucco Embossed, Add</i>	0.11	
			<i>For Corrugated, Add</i>	0.27	
22 07 19 00-0754	LF		9-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	34.52	5.76
			<i>For Stucco Embossed, Add</i>	0.11	
			<i>For Corrugated, Add</i>	0.29	
22 07 19 00-0755	LF		10" ID, 0.040" Aluminum Insulation Jacketing.....	35.51	5.86
			<i>For Stucco Embossed, Add</i>	0.12	
			<i>For Corrugated, Add</i>	0.30	
22 07 19 00-0756	LF		10-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	36.51	5.97
			<i>For Stucco Embossed, Add</i>	0.13	
			<i>For Corrugated, Add</i>	0.32	
22 07 19 00-0757	LF		11" ID, 0.0106 Aluminum Insulation Jacketing.....	37.76	6.14
			<i>For Stucco Embossed, Add</i>	0.13	
			<i>For Corrugated, Add</i>	0.33	
22 07 19 00-0758	LF		11-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	38.83	6.26
			<i>For Stucco Embossed, Add</i>	0.14	
			<i>For Corrugated, Add</i>	0.35	
22 07 19 00-0759	LF		12" ID, 0.040" Aluminum Insulation Jacketing.....	39.91	6.38
			<i>For Stucco Embossed, Add</i>	0.14	
			<i>For Corrugated, Add</i>	0.36	
22 07 19 00-0760	LF		12-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	41.24	6.57
			<i>For Stucco Embossed, Add</i>	0.15	
			<i>For Corrugated, Add</i>	0.37	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0761 LF 13" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	42.09 0.16 0.39	6.64
22 07 19 00-0762 LF 14" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	43.55 0.17 0.42	6.70
22 07 19 00-0763 LF 15" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	45.25 0.18 0.45	6.84
22 07 19 00-0764 LF 16" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	46.72 0.19 0.48	6.91
22 07 19 00-0765 LF 17" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	48.47 0.20 0.51	7.06
22 07 19 00-0766 LF 18" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	49.57 0.21 0.53	7.14
22 07 19 00-0767 LF 19" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	51.75 0.23 0.56	7.30
22 07 19 00-0768 LF 20" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	53.27 0.24 0.59	7.38
22 07 19 00-0769 LF 21" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	55.09 0.25 0.62	7.56
22 07 19 00-0770 LF 22" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	56.60 0.26 0.65	7.64
22 07 19 00-0771 LF 23" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	58.51 0.27 0.68	7.82
22 07 19 00-0772 LF 24" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	60.04 0.28 0.71	7.92

**22 07 19 00-0773 Aluminum Insulation Protective Jacketing For Fittings (22 07 19 00-0511)**

22 07 19 00-0774 EA 1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	17.97	3.06
22 07 19 00-0775 EA 1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	18.42	3.18
22 07 19 00-0776 EA 2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	20.40	3.30
22 07 19 00-0777 EA 2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	20.60	3.35
22 07 19 00-0778 EA 2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	20.81	3.41
22 07 19 00-0779 EA 2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	21.14	3.50
22 07 19 00-0780 EA 3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	22.10	3.58
22 07 19 00-0781 EA 3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	22.46	3.67
22 07 19 00-0782 EA 3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	24.14	3.74
22 07 19 00-0783 EA 3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	24.64	3.80
22 07 19 00-0784 EA 4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	25.50	3.90
22 07 19 00-0785 EA 4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	26.07	3.98
22 07 19 00-0786 EA 4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	26.36	4.05
22 07 19 00-0787 EA 4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	26.67	4.13
22 07 19 00-0788 EA 5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	28.28	4.21
22 07 19 00-0789 EA 5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	30.39	4.29
22 07 19 00-0790 EA 5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	34.16	4.42
22 07 19 00-0791 EA 5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	34.53	4.52
22 07 19 00-0792 EA 6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	32.71	4.66
22 07 19 00-0793 EA 6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	33.12	4.78
22 07 19 00-0794 EA 6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	36.65	4.94
22 07 19 00-0795 EA 7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	40.72	5.05
22 07 19 00-0796 EA 7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	40.96	5.11
22 07 19 00-0797 EA 7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	50.86	5.18
22 07 19 00-0798 EA 8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	43.43	5.24
22 07 19 00-0799 EA 8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	63.03	5.37
22 07 19 00-0800 EA 9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	63.58	5.50
22 07 19 00-0801 EA 9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	52.87	5.58
22 07 19 00-0802 EA 10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	53.17	5.65
22 07 19 00-0803 EA 10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	54.13	5.72
22 07 19 00-0804 EA 11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	54.44	5.80
22 07 19 00-0805 EA 11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	59.36	5.96
22 07 19 00-0806 EA 12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	59.69	6.04
22 07 19 00-0807 EA 12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	88.09	6.23
22 07 19 00-0808 EA 13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	88.46	6.32
22 07 19 00-0809 EA 14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	110.77	6.51
22 07 19 00-0810 EA 15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	115.44	6.71
22 07 19 00-0811 EA 16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	123.91	6.82
22 07 19 00-0812 EA 2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	19.56	3.41
22 07 19 00-0813 EA 2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	19.89	3.50
22 07 19 00-0814 EA 3" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	21.02	3.58
22 07 19 00-0815 EA 3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	21.38	3.67
22 07 19 00-0816 EA 3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing.....	22.58	3.74
22 07 19 00-0817 EA 3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	22.84	3.80



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 07 19 00-0818	EA	4"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	23.39	3.90
22 07 19 00-0819	EA	4-1/4"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	24.78	3.98
22 07 19 00-0820	EA	4-1/2"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	25.07	4.05
22 07 19 00-0821	EA	4-3/4"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	25.38	4.13
22 07 19 00-0822	EA	5"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	27.24	4.21
22 07 19 00-0823	EA	5-1/4"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	27.59	4.29
22 07 19 00-0824	EA	5-1/2"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	28.63	4.42
22 07 19 00-0825	EA	6"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	29.59	4.66
22 07 19 00-0826	EA	6-1/2"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	34.83	4.94
22 07 19 00-0827	EA	7"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	35.29	5.05
22 07 19 00-0828	EA	7-1/2"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	35.91	5.18
22 07 19 00-0829	EA	8"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	36.16	5.24
22 07 19 00-0830	EA	8-1/2"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	40.40	5.37
22 07 19 00-0831	EA	9"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	40.95	5.50
22 07 19 00-0832	EA	9-1/2"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	48.57	5.58
22 07 19 00-0833	EA	10"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	48.87	5.65
22 07 19 00-0834	EA	10-1/2"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	47.47	5.72
22 07 19 00-0835	EA	11"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	47.78	5.80
22 07 19 00-0836	EA	11-1/2"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	53.38	5.96
22 07 19 00-0837	EA	12"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	53.71	6.04
22 07 19 00-0838	EA	13"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	59.91	6.32
22 07 19 00-0839	EA	14"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	68.54	6.51
22 07 19 00-0840	EA	15"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	92.34	6.71
22 07 19 00-0841	EA	16"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	98.27	6.82
22 07 19 00-0842	EA	17"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	97.04	6.92
22 07 19 00-0843	EA	18"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	107.25	7.04
22 07 19 00-0844	EA	19"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	125.24	7.15
22 07 19 00-0845	EA	20"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	122.54	7.27
22 07 19 00-0846	EA	21"	ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	130.48	7.40
22 07 19 00-0847	EA	2-1/2"	ID, Aluminum Tee Insulation Jacketing .....	60.23	4.88
22 07 19 00-0848	EA	2-3/4"	ID, Aluminum Tee Insulation Jacketing .....	60.69	5.00
22 07 19 00-0849	EA	3"	ID, Aluminum Tee Insulation Jacketing .....	66.45	5.11
22 07 19 00-0850	EA	3-1/4"	ID, Aluminum Tee Insulation Jacketing .....	66.94	5.24
22 07 19 00-0851	EA	3-1/2"	ID, Aluminum Tee Insulation Jacketing .....	69.68	5.37
22 07 19 00-0852	EA	4"	ID, Aluminum Tee Insulation Jacketing .....	70.75	5.50
22 07 19 00-0853	EA	4-1/4"	ID, Aluminum Tee Insulation Jacketing .....	74.14	5.65
22 07 19 00-0854	EA	4-1/2"	ID, Aluminum Tee Insulation Jacketing .....	74.32	5.80
22 07 19 00-0855	EA	4-3/4"	ID, Aluminum Tee Insulation Jacketing .....	74.97	5.96
22 07 19 00-0856	EA	5"	ID, Aluminum Tee Insulation Jacketing .....	77.56	6.14
22 07 19 00-0857	EA	5-1/4"	ID, Aluminum Tee Insulation Jacketing .....	78.28	6.32
22 07 19 00-0858	EA	5-1/2"	ID, Aluminum Tee Insulation Jacketing .....	81.39	6.51
22 07 19 00-0859	EA	6"	ID, Aluminum Tee Insulation Jacketing .....	82.21	6.71
22 07 19 00-0860	EA	6-1/2"	ID, Aluminum Tee Insulation Jacketing .....	89.45	7.15
22 07 19 00-0861	EA	7"	ID, Aluminum Tee Insulation Jacketing .....	90.44	7.40
22 07 19 00-0862	EA	7-1/2"	ID, Aluminum Tee Insulation Jacketing .....	98.31	7.67
22 07 19 00-0863	EA	8"	ID, Aluminum Tee Insulation Jacketing .....	99.44	7.95
22 07 19 00-0864	EA	8-1/2"	ID, Aluminum Tee Insulation Jacketing .....	102.45	8.26
22 07 19 00-0865	EA	9"	ID, Aluminum Tee Insulation Jacketing .....	103.77	8.58
22 07 19 00-0866	EA	9-1/2"	ID, Aluminum Tee Insulation Jacketing .....	86.57	8.76
22 07 19 00-0867	EA	10"	ID, Aluminum Tee Insulation Jacketing .....	87.30	8.95
22 07 19 00-0868	EA	10-1/2"	ID, Aluminum Tee Insulation Jacketing .....	91.43	9.14
22 07 19 00-0869	EA	11"	ID, Aluminum Tee Insulation Jacketing .....	92.22	9.34
22 07 19 00-0870	EA	11-1/2"	ID, Aluminum Tee Insulation Jacketing .....	96.04	9.54
22 07 19 00-0871	EA	12"	ID, Aluminum Tee Insulation Jacketing .....	96.91	9.76
22 07 19 00-0872	EA	13"	ID, Aluminum Tee Insulation Jacketing .....	100.69	9.98
22 07 19 00-0873	EA	14"	ID, Aluminum Tee Insulation Jacketing .....	104.62	10.23
22 07 19 00-0874	EA	15"	ID, Aluminum Tee Insulation Jacketing .....	110.82	10.48
22 07 19 00-0875	EA	16"	ID, Aluminum Tee Insulation Jacketing .....	113.60	10.74
22 07 19 00-0876	EA	17"	ID, Aluminum Tee Insulation Jacketing .....	125.28	11.01
22 07 19 00-0877	EA	18"	ID, Aluminum Tee Insulation Jacketing .....	129.60	11.30
22 07 19 00-0878	EA	19"	ID, Aluminum Tee Insulation Jacketing .....	139.75	11.61
22 07 19 00-0879	EA	20"	ID, Aluminum Tee Insulation Jacketing .....	143.08	11.93
22 07 19 00-0880	EA	22"	ID, Aluminum Tee Insulation Jacketing .....	170.39	12.27
22 07 19 00-0881	EA	23"	ID, Aluminum Tee Insulation Jacketing .....	175.20	12.63
22 07 19 00-0882	EA	24"	ID, Aluminum Tee Insulation Jacketing .....	183.35	13.85

22 07 19 00-0883 Stainless Steel Insulation Protective Jacketing With Bands (22 07 19 00-0510)

22 07 19 00-0884 Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0883)

22 07 19 00-0885	SF	0.010"	Stainless Steel Insulation Jacket With Bands .....	19.92	8.05
22 07 19 00-0886	SF	0.016"	Stainless Steel Insulation Jacket With Bands .....	24.41	9.66

22 07 19 00-0887 10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0883)

22 07 19 00-0888	LF	2-1/2"	ID, 0.010" Stainless Steel Insulation Jacketing .....	10.47	1.71
22 07 19 00-0889	LF	2-3/4"	ID, 0.010" Stainless Steel Insulation Jacketing .....	10.93	1.75
22 07 19 00-0890	LF	3"	ID, 0.010" Stainless Steel Insulation Jacketing .....	11.38	1.79
22 07 19 00-0891	LF	3-1/4"	ID, 0.010" Stainless Steel Insulation Jacketing .....	11.87	1.82



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0892	LF			3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	12.35	1.86
22 07 19 00-0893	LF			3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing .....	12.84	1.90
22 07 19 00-0894	LF			4" ID, 0.010" Stainless Steel Insulation Jacketing.....	13.33	1.95
22 07 19 00-0895	LF			4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing .....	13.83	1.99
22 07 19 00-0896	LF			4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	14.33	2.05
22 07 19 00-0897	LF			5" ID, 0.010" Stainless Steel Insulation Jacketing.....	15.38	2.15
22 07 19 00-0898	LF			5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	16.48	2.26
22 07 19 00-0899	LF			6" ID, 0.010" Stainless Steel Insulation Jacketing.....	17.61	2.39
22 07 19 00-0900	LF			6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	18.52	2.46
22 07 19 00-0901	LF			7" ID, 0.010" Stainless Steel Insulation Jacketing.....	19.46	2.53
22 07 19 00-0902	LF			7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	20.47	2.62
22 07 19 00-0903	LF			8" ID, 0.010" Stainless Steel Insulation Jacketing.....	21.30	2.67
22 07 19 00-0904	LF			8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	22.14	2.72
22 07 19 00-0905	LF			9" ID, 0.010" Stainless Steel Insulation Jacketing.....	22.99	2.77
22 07 19 00-0906	LF			9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	23.85	2.82
22 07 19 00-0907	LF			10" ID, 0.010" Stainless Steel Insulation Jacketing.....	24.72	2.88
22 07 19 00-0908	LF			10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	25.60	2.94
22 07 19 00-0909	LF			11" ID, 0.010" Stainless Steel Insulation Jacketing.....	26.48	3.00
22 07 19 00-0910	LF			12" ID, 0.010" Stainless Steel Insulation Jacketing.....	28.27	3.13
22 07 19 00-0911	LF			13" ID, 0.010" Stainless Steel Insulation Jacketing.....	30.05	3.25
22 07 19 00-0912	LF			14" ID, 0.010" Stainless Steel Insulation Jacketing.....	31.52	3.30
22 07 19 00-0913				<b>16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands</b> <small>(22 07 19 00-0883)</small>		
22 07 19 00-0914	LF			2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	14.36	2.29
22 07 19 00-0915	LF			2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing .....	15.01	2.33
22 07 19 00-0916	LF			3" ID, 0.016" Stainless Steel Insulation Jacketing.....	15.66	2.38
22 07 19 00-0917	LF			3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing .....	16.34	2.43
22 07 19 00-0918	LF			3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	17.01	2.48
22 07 19 00-0919	LF			3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing .....	17.69	2.54
22 07 19 00-0920	LF			4" ID, 0.016" Stainless Steel Insulation Jacketing.....	18.39	2.60
22 07 19 00-0921	LF			4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing .....	19.09	2.66
22 07 19 00-0922	LF			4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	19.80	2.72
22 07 19 00-0923	LF			5" ID, 0.016" Stainless Steel Insulation Jacketing.....	21.28	2.85
22 07 19 00-0924	LF			5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	22.81	3.00
22 07 19 00-0925	LF			6" ID, 0.016" Stainless Steel Insulation Jacketing.....	24.40	3.17
22 07 19 00-0926	LF			6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	25.69	3.26
22 07 19 00-0927	LF			7" ID, 0.016" Stainless Steel Insulation Jacketing.....	27.01	3.35
22 07 19 00-0928	LF			7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	28.42	3.49
22 07 19 00-0929	LF			8" ID, 0.016" Stainless Steel Insulation Jacketing.....	29.59	3.55
22 07 19 00-0930	LF			8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	30.80	3.62
22 07 19 00-0931	LF			9" ID, 0.016" Stainless Steel Insulation Jacketing.....	32.02	3.69
22 07 19 00-0932	LF			9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	33.23	3.76
22 07 19 00-0933	LF			10" ID, 0.016" Stainless Steel Insulation Jacketing.....	34.45	3.83
22 07 19 00-0934	LF			10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	35.71	3.91
22 07 19 00-0935	LF			11" ID, 0.016" Stainless Steel Insulation Jacketing.....	36.96	3.99
22 07 19 00-0936	LF			12" ID, 0.016" Stainless Steel Insulation Jacketing.....	39.49	4.17
22 07 19 00-0937	LF			13" ID, 0.016" Stainless Steel Insulation Jacketing.....	42.00	4.32
22 07 19 00-0938	LF			14" ID, 0.016" Stainless Steel Insulation Jacketing.....	44.10	4.39
22 07 19 00-0939				<b>Type 316 Stainless Steel Insulation Protective Jacketing For Fittings</b> <small>(22 07 19 00-0883)</small>		
22 07 19 00-0940	EA			2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	29.52	3.41
22 07 19 00-0941	EA			2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	29.85	3.50
22 07 19 00-0942	EA			3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	30.94	3.58
22 07 19 00-0943	EA			3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	31.30	3.67
22 07 19 00-0944	EA			3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	32.40	3.74
22 07 19 00-0945	EA			3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	33.65	3.80
22 07 19 00-0946	EA			4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	35.90	3.90
22 07 19 00-0947	EA			4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	42.87	3.98
22 07 19 00-0948	EA			4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	43.16	4.05
22 07 19 00-0949	EA			5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	44.41	4.21
22 07 19 00-0950	EA			5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	58.82	4.42
22 07 19 00-0951	EA			6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	63.80	4.66
22 07 19 00-0952	EA			6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	81.86	4.94
22 07 19 00-0953	EA			7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	82.32	5.05
22 07 19 00-0954	EA			7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	93.22	5.18
22 07 19 00-0955	EA			8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	94.00	5.37
22 07 19 00-0956	EA			8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	96.46	5.37
22 07 19 00-0957	EA			9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	136.09	5.50
22 07 19 00-0958	EA			9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	134.38	5.58
22 07 19 00-0959	EA			10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	134.68	5.65
22 07 19 00-0960	EA			10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	157.01	5.72
22 07 19 00-0961	EA			11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	151.22	5.80
22 07 19 00-0962	EA			12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	169.52	6.04
22 07 19 00-0963	EA			13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	226.61	6.32
22 07 19 00-0964	EA			14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing .....	228.74	6.51
22 07 19 00-0965	EA			2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	26.88	3.41
22 07 19 00-0966	EA			2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	27.21	3.50



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 07 19 00-0967	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	28.57	3.58
22 07 19 00-0968	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	28.93	3.67
22 07 19 00-0969	EA	3-1/2" ID Stainless Steel 45 Degree Elbow Insulation Jacketing .....	29.37	3.74
22 07 19 00-0970	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	29.63	3.80
22 07 19 00-0971	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	34.17	3.90
22 07 19 00-0972	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	41.95	3.98
22 07 19 00-0973	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	42.24	4.05
22 07 19 00-0974	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	42.55	4.13
22 07 19 00-0975	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	43.32	4.21
22 07 19 00-0976	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	44.20	4.42
22 07 19 00-0977	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	50.09	4.66
22 07 19 00-0978	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	51.17	4.94
22 07 19 00-0979	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	73.37	5.05
22 07 19 00-0980	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	74.94	5.18
22 07 19 00-0981	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	75.19	5.24
22 07 19 00-0982	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	84.96	5.37
22 07 19 00-0983	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	85.51	5.50
22 07 19 00-0984	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	96.84	5.58
22 07 19 00-0985	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	97.14	5.65
22 07 19 00-0986	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing .....	112.48	5.72
22 07 19 00-0987	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	112.79	5.80
22 07 19 00-0988	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	121.47	6.04
22 07 19 00-0989	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	139.73	6.32

22 07 19 00-0990 Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0510)

22 07 19 00-0991 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0990)

22 07 19 00-0992	LF	1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	7.37	1.59
22 07 19 00-0993	LF	2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	7.95	1.65
22 07 19 00-0994	LF	2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	8.47	1.71
22 07 19 00-0995	LF	3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	9.08	1.79
22 07 19 00-0996	LF	3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	9.65	1.86
22 07 19 00-0997	LF	4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	10.29	1.95
22 07 19 00-0998	LF	4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	10.95	2.05
22 07 19 00-0999	LF	5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	11.60	2.15
22 07 19 00-1000	LF	5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	12.36	2.26
22 07 19 00-1001	LF	6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	13.15	2.39
22 07 19 00-1002	LF	6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	13.72	2.46
22 07 19 00-1003	LF	7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	14.26	2.53
22 07 19 00-1004	LF	7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	14.97	2.62
22 07 19 00-1005	LF	8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	15.42	2.67
22 07 19 00-1006	LF	8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	15.91	2.72
22 07 19 00-1007	LF	9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	16.41	2.77
22 07 19 00-1008	LF	9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	16.93	2.82
22 07 19 00-1009	LF	10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	17.41	2.88
22 07 19 00-1010	LF	10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	17.94	2.94
22 07 19 00-1011	LF	11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	18.48	3.00
22 07 19 00-1012	LF	11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	19.03	3.06
22 07 19 00-1013	LF	12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	19.54	3.13
22 07 19 00-1014	LF	12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	20.16	3.20
22 07 19 00-1015	LF	13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	20.62	3.25
22 07 19 00-1016	LF	13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	20.92	3.25
22 07 19 00-1017	LF	14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	21.41	3.30
22 07 19 00-1018	LF	15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	22.20	3.35
22 07 19 00-1019	LF	16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	22.95	3.41
22 07 19 00-1020	LF	17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	23.76	3.47
22 07 19 00-1021	LF	18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	24.58	3.52
22 07 19 00-1022	LF	19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	25.37	3.58
22 07 19 00-1023	LF	20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	26.19	3.64
22 07 19 00-1024	LF	21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	26.99	3.70
22 07 19 00-1025	LF	22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	27.84	3.77
22 07 19 00-1026	LF	23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	28.64	3.84
22 07 19 00-1027	LF	24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	29.52	3.90
22 07 19 00-1028	LF	25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	30.40	3.98
22 07 19 00-1029	LF	26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	31.24	4.05
22 07 19 00-1030	LF	27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	32.13	4.13
22 07 19 00-1031	LF	28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	33.00	4.21
22 07 19 00-1032	LF	29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	33.94	4.29
22 07 19 00-1033	LF	30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	34.88	4.38

22 07 19 00-1034 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0990)

22 07 19 00-1035	LF	2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	8.58	1.65
22 07 19 00-1036	LF	2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	9.26	1.71
22 07 19 00-1037	LF	3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	10.01	1.79
22 07 19 00-1038	LF	3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	10.70	1.86
22 07 19 00-1039	LF	4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	11.46	1.95
22 07 19 00-1040	LF	4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	12.25	2.05
22 07 19 00-1041	LF	5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	13.07	2.15
22 07 19 00-1042	LF	5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	13.95	2.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1043 LF 6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	14.87	2.39
22 07 19 00-1044 LF 6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	15.56	2.46
22 07 19 00-1045 LF 7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	16.27	2.53
22 07 19 00-1046 LF 7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	17.12	2.62
22 07 19 00-1047 LF 8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	17.73	2.67
22 07 19 00-1048 LF 8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	18.35	2.72
22 07 19 00-1049 LF 9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	18.98	2.77
22 07 19 00-1050 LF 9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	19.62	2.82
22 07 19 00-1051 LF 10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	20.27	2.88
22 07 19 00-1052 LF 10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	20.93	2.94
22 07 19 00-1053 LF 11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	21.59	3.00
22 07 19 00-1054 LF 11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	22.27	3.06
22 07 19 00-1055 LF 12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	22.95	3.13
22 07 19 00-1056 LF 12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	23.69	3.20
22 07 19 00-1057 LF 13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	24.32	3.25
22 07 19 00-1058 LF 13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	24.74	3.25
22 07 19 00-1059 LF 14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	25.36	3.30
22 07 19 00-1060 LF 15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	26.40	3.35
22 07 19 00-1061 LF 16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	27.45	3.41
22 07 19 00-1062 LF 17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	28.51	3.47
22 07 19 00-1063 LF 18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	29.62	3.52
22 07 19 00-1064 LF 19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	30.70	3.58
22 07 19 00-1065 LF 20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	31.78	3.64
22 07 19 00-1066 LF 21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	32.87	3.70
22 07 19 00-1067 LF 22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	33.97	3.77
22 07 19 00-1068 LF 23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	35.07	3.84
22 07 19 00-1069 LF 24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	36.20	3.90
22 07 19 00-1070 LF 25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	37.37	3.98
22 07 19 00-1071 LF 26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	38.50	4.05
22 07 19 00-1072 LF 27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	39.65	4.13
22 07 19 00-1073 LF 28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	40.81	4.21
22 07 19 00-1074 LF 29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	42.00	4.29
22 07 19 00-1075 LF 30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	43.19	4.38

**22 07 19 00-1076 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings** (22 07 19 00-0990)

22 07 19 00-1077 EA 1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	15.03	3.18
22 07 19 00-1078 EA 2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	16.08	3.30
22 07 19 00-1079 EA 2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	16.61	3.35
22 07 19 00-1080 EA 2-1/2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	17.16	3.41
22 07 19 00-1081 EA 2-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	17.78	3.50
22 07 19 00-1082 EA 3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	18.35	3.58
22 07 19 00-1083 EA 3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	19.39	3.70
22 07 19 00-1084 EA 3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	20.32	3.80
22 07 19 00-1085 EA 4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	22.09	3.90
22 07 19 00-1086 EA 4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	24.17	4.09
22 07 19 00-1087 EA 5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	26.29	4.29
22 07 19 00-1088 EA 5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	30.09	4.52
22 07 19 00-1089 EA 6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	39.11	4.78
22 07 19 00-1090 EA 6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	40.83	4.94
22 07 19 00-1091 EA 7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	46.63	5.05
22 07 19 00-1092 EA 7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	48.41	5.18
22 07 19 00-1093 EA 8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	57.13	5.37
22 07 19 00-1094 EA 9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	69.93	5.58
22 07 19 00-1095 EA 10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	76.38	5.80
22 07 19 00-1096 EA 11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	85.13	6.04
22 07 19 00-1097 EA 12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	102.20	6.32
22 07 19 00-1098 EA 14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	113.97	6.51
22 07 19 00-1099 EA 15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	121.34	6.71
22 07 19 00-1100 EA 16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	130.41	6.82
22 07 19 00-1101 EA 17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	142.15	6.92
22 07 19 00-1102 EA 18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	175.79	7.04
22 07 19 00-1103 EA 19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	229.05	7.15
22 07 19 00-1104 EA 20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	286.70	7.27
22 07 19 00-1105 EA 1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	15.03	3.18
22 07 19 00-1106 EA 2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	16.08	3.30
22 07 19 00-1107 EA 2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	16.61	3.35
22 07 19 00-1108 EA 2-1/2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	17.16	3.41
22 07 19 00-1109 EA 2-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	17.78	3.50
22 07 19 00-1110 EA 3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	18.35	3.58
22 07 19 00-1111 EA 3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	19.39	3.70
22 07 19 00-1112 EA 3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	20.32	3.80
22 07 19 00-1113 EA 4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	22.09	3.90
22 07 19 00-1114 EA 4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	24.17	4.09
22 07 19 00-1115 EA 5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	26.29	4.29
22 07 19 00-1116 EA 5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	30.09	4.52
22 07 19 00-1117 EA 6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	39.11	4.78
22 07 19 00-1118 EA 6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	40.83	4.94
22 07 19 00-1119 EA 7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	46.63	5.05
22 07 19 00-1120 EA 7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	48.41	5.18
22 07 19 00-1121 EA 8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	57.13	5.37



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1122	EA		9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	69.93	5.58
22 07 19 00-1123	EA		10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	76.34	5.80
22 07 19 00-1124	EA		11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	82.78	6.04
22 07 19 00-1125	EA		12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	90.65	6.32
22 07 19 00-1126	EA		14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	100.74	6.51
22 07 19 00-1127	EA		15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	107.02	6.71
22 07 19 00-1128	EA		16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	118.82	6.82
22 07 19 00-1129	EA		17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	130.81	6.92
22 07 19 00-1130	EA		18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	154.16	7.04
22 07 19 00-1131	EA		19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	200.49	7.15
22 07 19 00-1132	EA		20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	223.78	7.27
22 07 19 00-1133	EA		1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	22.26	4.47
22 07 19 00-1134	EA		2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	23.23	4.56
22 07 19 00-1135	EA		2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	24.26	4.71
22 07 19 00-1136	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	25.39	4.88
22 07 19 00-1137	EA		2-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	26.68	5.05
22 07 19 00-1138	EA		3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	27.95	5.24
22 07 19 00-1139	EA		3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	29.80	5.44
22 07 19 00-1140	EA		3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	31.76	5.65
22 07 19 00-1141	EA		4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	34.37	5.88
22 07 19 00-1142	EA		4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	38.02	6.14
22 07 19 00-1143	EA		5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	41.85	6.41
22 07 19 00-1144	EA		5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	48.81	6.82
22 07 19 00-1145	EA		6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	56.94	7.15
22 07 19 00-1146	EA		6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	64.14	7.27
22 07 19 00-1147	EA		7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	86.75	7.54
22 07 19 00-1148	EA		7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	93.88	7.95
22 07 19 00-1149	EA		8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	108.55	8.26
22 07 19 00-1150	EA		9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	123.39	8.58
22 07 19 00-1151	EA		10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	125.87	8.95
22 07 19 00-1152	EA		11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	136.64	9.14
22 07 19 00-1153	EA		12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	147.42	9.34
22 07 19 00-1154	EA		14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	158.33	9.54
22 07 19 00-1155	EA		15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	169.16	9.76
22 07 19 00-1156	EA		16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	180.09	9.98
22 07 19 00-1157	EA		17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	190.96	10.23
22 07 19 00-1158	EA		18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	207.08	10.48
22 07 19 00-1159	EA		19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	223.16	10.74
22 07 19 00-1160	EA		20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	242.62	11.01
22 07 19 00-1161	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	30.54	3.06
22 07 19 00-1162	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	30.54	3.06
22 07 19 00-1163	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	35.86	3.18
22 07 19 00-1164	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	35.86	3.18
22 07 19 00-1165	EA		2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	49.72	3.30
22 07 19 00-1166	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	54.27	3.44
22 07 19 00-1167	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	59.72	3.58
22 07 19 00-1168	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	67.48	3.74
22 07 19 00-1169	EA		4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	74.17	3.90
22 07 19 00-1170	EA		5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	89.97	4.29
22 07 19 00-1171	EA		6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	126.60	4.78
22 07 19 00-1172	EA		8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	138.57	5.37
22 07 19 00-1173	EA		10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	172.71	5.72
22 07 19 00-1174	EA		12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	240.72	6.32
22 07 19 00-1175	EA		14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	242.27	6.61
22 07 19 00-1176	EA		16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	320.80	6.82
22 07 19 00-1177	EA		18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	431.86	7.04
22 07 19 00-1178	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	28.52	3.06
22 07 19 00-1179	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	28.52	3.06
22 07 19 00-1180	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	33.43	3.18
22 07 19 00-1181	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	33.43	3.18
22 07 19 00-1182	EA		2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	45.73	3.30
22 07 19 00-1183	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	49.82	3.44
22 07 19 00-1184	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	54.85	3.58
22 07 19 00-1185	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	57.70	3.74
22 07 19 00-1186	EA		4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	67.70	3.90
22 07 19 00-1187	EA		5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	81.94	4.29
22 07 19 00-1188	EA		6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	114.80	4.78
22 07 19 00-1189	EA		8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	125.63	5.37
22 07 19 00-1190	EA		10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	156.25	5.72
22 07 19 00-1191	EA		12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	217.16	6.32
22 07 19 00-1192	EA		14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	276.04	6.61
22 07 19 00-1193	EA		16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	329.66	6.82
22 07 19 00-1194	EA		18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	385.08	7.04
22 07 19 00-1195	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	42.28	4.61
22 07 19 00-1196	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	42.28	4.61
22 07 19 00-1197	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	49.15	4.78
22 07 19 00-1198	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	49.15	4.78
22 07 19 00-1199	EA		2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	67.17	4.94
22 07 19 00-1200	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	73.20	5.11
22 07 19 00-1201	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	80.48	5.37
22 07 19 00-1202	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	84.84	5.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1203 EA 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	99.89	5.88
22 07 19 00-1204 EA 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	109.77	6.41
22 07 19 00-1205 EA 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	153.08	7.15
22 07 19 00-1206 EA 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	166.70	7.95
22 07 19 00-1207 EA 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	229.15	8.58
22 07 19 00-1208 EA 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	317.35	9.34
22 07 19 00-1209 EA 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	378.17	9.98
22 07 19 00-1210 EA 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	446.61	10.23
22 07 19 00-1211 EA 18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	488.85	10.48
<b>22 07 19 00-1212 Flexible Elastomeric Unicellular Insulation</b> <small>(22 07 19)</small>		
Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
<b>22 07 19 00-1213 3/8" Wall Flexible Elastomeric Unicellular Insulation</b> <small>(22 07 19 00-1212)</small>		
22 07 19 00-1214 LF 3/8" I.D. (1/2" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation .....	7.84	3.21
<i>For Work In Restricted Working Space, Add</i>		
	1.93	
22 07 19 00-1215 LF 1/2" I.D. (5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation .....	8.29	3.32
<i>For Work In Restricted Working Space, Add</i>		
	2.00	
22 07 19 00-1216 LF 3/4" I.D. (7/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation .....	8.70	3.45
<i>For Work In Restricted Working Space, Add</i>		
	2.06	
22 07 19 00-1217 LF 1" I.D. (1-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation .....	9.05	3.50
<i>For Work In Restricted Working Space, Add</i>		
	2.10	
22 07 19 00-1218 LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation .....	9.43	3.56
<i>For Work In Restricted Working Space, Add</i>		
	2.13	
22 07 19 00-1219 LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation .....	10.03	3.58
<i>For Work In Restricted Working Space, Add</i>		
	2.14	
22 07 19 00-1220 LF 2" I.D. (2-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation .....	10.77	3.67
<i>For Work In Restricted Working Space, Add</i>		
	2.20	
22 07 19 00-1221 LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation .....	12.58	3.70
<i>For Work In Restricted Working Space, Add</i>		
	2.21	
22 07 19 00-1222 LF 3" I.D. (3-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation .....	13.88	3.75
<i>For Work In Restricted Working Space, Add</i>		
	2.25	
<b>22 07 19 00-1223 1/2" Wall Flexible Elastomeric Unicellular Insulation</b> <small>(22 07 19 00-1212)</small>		
22 07 19 00-1224 LF 3/8" I.D. (1/2" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation .....	9.03	3.45
<i>For Work In Restricted Working Space, Add</i>		
	2.07	
22 07 19 00-1225 LF 1/2" I.D. (5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation .....	9.46	3.56
<i>For Work In Restricted Working Space, Add</i>		
	2.13	
22 07 19 00-1226 LF 3/4" I.D. (7/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation .....	9.80	3.56
<i>For Work In Restricted Working Space, Add</i>		
	2.15	
22 07 19 00-1227 LF 1" I.D. (1-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation .....	10.28	3.66
<i>For Work In Restricted Working Space, Add</i>		
	2.20	
22 07 19 00-1228 LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation .....	10.67	3.73
<i>For Work In Restricted Working Space, Add</i>		
	2.23	
22 07 19 00-1229 LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation .....	11.29	3.78
<i>For Work In Restricted Working Space, Add</i>		
	2.27	
22 07 19 00-1230 LF 2" I.D. (2-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation .....	12.44	3.83
<i>For Work In Restricted Working Space, Add</i>		
	2.30	
22 07 19 00-1231 LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation .....	14.32	3.95
<i>For Work In Restricted Working Space, Add</i>		
	2.37	
22 07 19 00-1232 LF 3" I.D. (3-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation .....	15.57	4.00
<i>For Work In Restricted Working Space, Add</i>		
	2.40	
22 07 19 00-1233 LF 3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation .....	18.09	4.06
<i>For Work In Restricted Working Space, Add</i>		
	2.44	
22 07 19 00-1234 LF 4" I.D. (4-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation .....	19.26	4.11
<i>For Work In Restricted Working Space, Add</i>		
	2.47	
<b>22 07 19 00-1235 3/4" Wall Flexible Elastomeric Unicellular Insulation</b> <small>(22 07 19 00-1212)</small>		
22 07 19 00-1236 LF 3/8" I.D. (1/2" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation .....	10.81	3.76
<i>For Work In Restricted Working Space, Add</i>		
	2.25	
22 07 19 00-1237 LF 1/2" I.D. (5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation .....	11.48	3.95
<i>For Work In Restricted Working Space, Add</i>		
	2.37	
22 07 19 00-1238 LF 3/4" I.D. (7/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation .....	12.30	4.00
<i>For Work In Restricted Working Space, Add</i>		
	2.40	
22 07 19 00-1239 LF 1" I.D. (1-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation .....	13.47	4.12
<i>For Work In Restricted Working Space, Add</i>		
	2.47	
22 07 19 00-1240 LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation .....	14.32	4.18
<i>For Work In Restricted Working Space, Add</i>		
	2.50	
22 07 19 00-1241 LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation .....	16.41	4.23
<i>For Work In Restricted Working Space, Add</i>		
	2.54	
22 07 19 00-1242 LF 2" I.D. (2-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation .....	18.18	4.26
<i>For Work In Restricted Working Space, Add</i>		
	2.56	
22 07 19 00-1243 LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation .....	20.89	4.35
<i>For Work In Restricted Working Space, Add</i>		
	2.60	
22 07 19 00-1244 LF 3" I.D. (3-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation .....	22.75	4.40
<i>For Work In Restricted Working Space, Add</i>		
	2.64	
22 07 19 00-1245 LF 3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation .....	25.83	4.45
<i>For Work In Restricted Working Space, Add</i>		
	2.67	
22 07 19 00-1246 LF 4" I.D. (4-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation .....	27.25	4.51
<i>For Work In Restricted Working Space, Add</i>		
	2.71	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>22 07 19 00-1247</b>	<b>1" Wall Flexible Elastomeric Unicellular Insulation</b> (22 07 19 00-1212)		
22 07 19 00-1248	LF 3/8" I.D. (1/2" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation .....	14.37	4.18
	<i>For Work In Restricted Working Space, Add</i>	2.50	
22 07 19 00-1249	LF 1/2" I.D. (5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation .....	15.10	4.35
	<i>For Work In Restricted Working Space, Add</i>	2.60	
22 07 19 00-1250	LF 3/4" I.D. (7/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation .....	16.71	4.40
	<i>For Work In Restricted Working Space, Add</i>	2.64	
22 07 19 00-1251	LF 1" I.D. (1-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation .....	18.64	4.51
	<i>For Work In Restricted Working Space, Add</i>	2.71	
22 07 19 00-1252	LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation .....	20.39	4.62
	<i>For Work In Restricted Working Space, Add</i>	2.77	
22 07 19 00-1253	LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation .....	21.71	4.68
	<i>For Work In Restricted Working Space, Add</i>	2.81	
22 07 19 00-1254	LF 2" I.D. (2-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation .....	24.34	4.73
	<i>For Work In Restricted Working Space, Add</i>	2.84	
22 07 19 00-1255	LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation .....	30.68	4.86
	<i>For Work In Restricted Working Space, Add</i>	2.91	
22 07 19 00-1256	LF 3" I.D. (3-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation .....	35.25	4.91
	<i>For Work In Restricted Working Space, Add</i>	2.94	
22 07 19 00-1257	LF 3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation .....	37.72	4.96
	<i>For Work In Restricted Working Space, Add</i>	2.98	
22 07 19 00-1258	LF 4" I.D. (4-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation .....	42.79	5.08
	<i>For Work In Restricted Working Space, Add</i>	3.04	
<b>22 07 19 00-1259</b>	<b>Insulation Foam Rubber</b> (22 07 19)		
<b>22 07 19 00-1260</b>	<b>Covering 4x6 Sheet</b> (22 07 19 00-1259)		
22 07 19 00-1261	SF 1" Thick Foam Rubber Sheet Insulation.....	21.86	7.63

## 22 10 Plumbing Piping (22)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

## 22 11 Facility Water Distribution (22 10)

### 22 11 16 Domestic Water Piping (22 11)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

<b>22 11 16 00-0001</b>	<b>Galvanized Steel Pipe Assemblies</b> (22 11 16)		
	Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
22 11 16 00-0002	LF 1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	17.41	3.90
	Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	<i>For ASTM 120, Deduct</i>	-0.67	
	<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	4.60	
	<i>For Work In Restricted Working Space, Add</i>	3.89	
22 11 16 00-0003	LF 3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	19.26	4.19
	Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	<i>For ASTM 120, Deduct</i>	-0.83	
	<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	5.24	
	<i>For Work In Restricted Working Space, Add</i>	4.11	
22 11 16 00-0004	LF 1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	22.05	4.59
	Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	<i>For ASTM 120, Deduct</i>	-1.11	
	<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	6.26	
	<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0005	LF 1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	26.13	4.79
	Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	<i>For ASTM 120, Deduct</i>	-1.59	
	<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	7.87	
	<i>For Work In Restricted Working Space, Add</i>	4.67	
22 11 16 00-0006	LF 1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	28.35	5.67
	Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	<i>For ASTM 120, Deduct</i>	-1.82	
	<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	8.70	
	<i>For Work In Restricted Working Space, Add</i>	4.87	
22 11 16 00-0007	LF 2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	34.61	6.83
	Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	<i>For ASTM 120, Deduct</i>	-2.42	
	<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	10.96	
	<i>For Work In Restricted Working Space, Add</i>	5.54	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0008	LF			2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 52.55 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> -4.64 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 18.24 <i>For Work In Restricted Working Space, Add</i> 6.49		8.10
22 11 16 00-0009	LF			3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 64.65 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> -5.76 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 22.54 <i>For Work In Restricted Working Space, Add</i> 7.87		10.84
22 11 16 00-0010	LF			4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 104.51 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> -11.37 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 39.84 <i>For Work In Restricted Working Space, Add</i> 8.62		12.30
22 11 16 00-0011	LF			5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 192.06 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> -23.60 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 77.74 <i>For Work In Restricted Working Space, Add</i> 10.42		15.73
22 11 16 00-0012	LF			6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 233.53 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> -29.11 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 95.22 <i>For Work In Restricted Working Space, Add</i> 11.84		18.60
22 11 16 00-0013				<b>Galvanized Steel Pipe And Threaded Fittings</b> (22 11 16) Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
22 11 16 00-0014				<b>Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe</b> (22 11 16 00-0013) Note: ASTM A-53. Includes coupling. Welded pipe has a weld bead on the inside.		
22 11 16 00-0015	LF			1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 8.27 <i>For ASTM 120, Deduct</i> -0.35 <i>For Schedule 80 Pipe, Add</i> 1.72 <i>For Work In Restricted Working Space, Add</i> 1.78		3.90
22 11 16 00-0016	LF			3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 9.41 <i>For ASTM 120, Deduct</i> -0.47 <i>For Schedule 80 Pipe, Add</i> 2.12 <i>For Work In Restricted Working Space, Add</i> 1.89		4.19
22 11 16 00-0017	LF			1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 11.43 <i>For ASTM 120, Deduct</i> -0.69 <i>For Schedule 80 Pipe, Add</i> 2.89 <i>For Work In Restricted Working Space, Add</i> 2.05		4.59
22 11 16 00-0018	LF			1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 13.47 <i>For ASTM 120, Deduct</i> -0.94 <i>For Schedule 80 Pipe, Add</i> 3.72 <i>For Work In Restricted Working Space, Add</i> 2.17		4.79
22 11 16 00-0019	LF			1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 15.95 <i>For ASTM 120, Deduct</i> -1.12 <i>For Schedule 80 Pipe, Add</i> 4.43 <i>For Work In Restricted Working Space, Add</i> 2.55		5.67
22 11 16 00-0020	LF			2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 20.30 <i>For ASTM 120, Deduct</i> -1.50 <i>For Schedule 80 Pipe, Add</i> 5.84 <i>For Work In Restricted Working Space, Add</i> 3.08		6.83
22 11 16 00-0021	LF			2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 28.11 <i>For ASTM 120, Deduct</i> -2.39 <i>For Schedule 80 Pipe, Add</i> 8.85 <i>For Work In Restricted Working Space, Add</i> 3.66		8.10
22 11 16 00-0022	LF			3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 37.08 <i>For ASTM 120, Deduct</i> -3.12 <i>For Schedule 80 Pipe, Add</i> 11.62 <i>For Work In Restricted Working Space, Add</i> 4.88		10.84
22 11 16 00-0023	LF			4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 48.13 <i>For ASTM 120, Deduct</i> -4.44 <i>For Schedule 80 Pipe, Add</i> 16.07 <i>For Work In Restricted Working Space, Add</i> 5.55		12.30
22 11 16 00-0024	LF			5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 63.28 <i>For ASTM 120, Deduct</i> -5.96 <i>For Schedule 80 Pipe, Add</i> 21.43 <i>For Work In Restricted Working Space, Add</i> 7.07		15.73
22 11 16 00-0025	LF			6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 79.39 <i>For ASTM 120, Deduct</i> -7.73 <i>For Schedule 80 Pipe, Add</i> 27.52 <i>For Work In Restricted Working Space, Add</i> 8.36		18.60
22 11 16 00-0026	LF			8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 89.33 <i>For ASTM 120, Deduct</i> -8.35 <i>For Schedule 80 Pipe, Add</i> 30.09 <i>For Work In Restricted Working Space, Add</i> 10.10		22.48



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0027	<b>Seamless, Threaded And Coupled, Galvanized Steel Pipe</b> (22 11 16 00-0013) Note: ASTM A-53. Includes coupling.		
22 11 16 00-0028	LF 1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	9.89	3.90
	For ASTM 120, Deduct	-0.60	
	For Schedule 80 Pipe, Add	2.50	
	For Work In Restricted Working Space, Add	1.78	
22 11 16 00-0029	LF 3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	11.06	4.19
	For ASTM 120, Deduct	-0.71	
	For Schedule 80 Pipe, Add	2.91	
	For Work In Restricted Working Space, Add	1.89	
22 11 16 00-0030	LF 1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	12.35	4.59
	For ASTM 120, Deduct	-0.83	
	For Schedule 80 Pipe, Add	3.34	
	For Work In Restricted Working Space, Add	2.05	
22 11 16 00-0031	LF 1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	14.18	4.79
	For ASTM 120, Deduct	-1.04	
	For Schedule 80 Pipe, Add	4.06	
	For Work In Restricted Working Space, Add	2.17	
22 11 16 00-0032	LF 1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	16.43	5.67
	For ASTM 120, Deduct	-1.19	
	For Schedule 80 Pipe, Add	4.66	
	For Work In Restricted Working Space, Add	2.55	
22 11 16 00-0033	LF 2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	19.32	6.83
	For ASTM 120, Deduct	-1.36	
	For Schedule 80 Pipe, Add	5.37	
	For Work In Restricted Working Space, Add	3.08	
22 11 16 00-0034	LF 2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	27.34	8.10
	For ASTM 120, Deduct	-2.27	
	For Schedule 80 Pipe, Add	8.48	
	For Work In Restricted Working Space, Add	3.66	
22 11 16 00-0035	LF 3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	34.77	10.84
	For ASTM 120, Deduct	-2.78	
	For Schedule 80 Pipe, Add	10.51	
	For Work In Restricted Working Space, Add	4.88	
22 11 16 00-0036	LF 4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	44.96	12.30
	For ASTM 120, Deduct	-3.97	
	For Schedule 80 Pipe, Add	14.55	
	For Work In Restricted Working Space, Add	5.55	
22 11 16 00-0037	LF 5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	58.07	15.73
	For ASTM 120, Deduct	-5.18	
	For Schedule 80 Pipe, Add	18.92	
	For Work In Restricted Working Space, Add	7.07	
22 11 16 00-0038	LF 6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	72.01	18.60
	For ASTM 120, Deduct	-6.62	
	For Schedule 80 Pipe, Add	23.98	
	For Work In Restricted Working Space, Add	8.36	
22 11 16 00-0039	<b>Galvanized Malleable Iron 90 Degree Elbows</b> (22 11 16 00-0013)		
22 11 16 00-0040	EA 1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	32.41	17.38
	For ASTM 120, Deduct	-0.96	
	For 300 LB Rating, Add	23.22	
	For Work In Restricted Working Space, Add	7.81	
22 11 16 00-0041	EA 3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	36.96	19.44
	For ASTM 120, Deduct	-1.17	
	For 300 LB Rating, Add	28.34	
	For Work In Restricted Working Space, Add	8.74	
22 11 16 00-0042	EA 1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	47.04	21.67
	For ASTM 120, Deduct	-2.17	
	For 300 LB Rating, Add	51.22	
	For Work In Restricted Working Space, Add	9.77	
22 11 16 00-0043	EA 1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow .....	59.74	24.61
	For ASTM 120, Deduct	-3.44	
	For 300 LB Rating, Add	80.07	
	For Work In Restricted Working Space, Add	11.05	
22 11 16 00-0044	EA 1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow .....	71.43	27.73
	For ASTM 120, Deduct	-4.48	
	For 300 LB Rating, Add	104.09	
	For Work In Restricted Working Space, Add	12.47	
22 11 16 00-0045	EA 2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	101.73	35.25
	For ASTM 120, Deduct	-7.34	
	For 300 LB Rating, Add	169.60	
	For Work In Restricted Working Space, Add	15.83	
22 11 16 00-0046	EA 2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow .....	206.20	52.14
	For ASTM 120, Deduct	-19.21	
	For 300 LB Rating, Add	440.19	
	For Work In Restricted Working Space, Add	23.43	
22 11 16 00-0047	EA 3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	313.96	68.55
	For ASTM 120, Deduct	-31.68	
	For 300 LB Rating, Add	724.18	
	For Work In Restricted Working Space, Add	30.83	
22 11 16 00-0048	EA 4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	480.40	71.98
	For ASTM 120, Deduct	-55.87	
	For 300 LB Rating, Add	1,272.84	
	For Work In Restricted Working Space, Add	32.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0049 EA 5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow .....	1,721.11	75.12
<i>For ASTM 120, Deduct</i>	-241.27	
<i>For 300 LB Rating, Add</i>	5,475.59	
<i>For Work In Restricted Working Space, Add</i>	33.79	
22 11 16 00-0050 EA 6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow .....	1,600.59	78.55
<i>For ASTM 120, Deduct</i>	-222.43	
<i>For 300 LB Rating, Add</i>	5,048.72	
<i>For Work In Restricted Working Space, Add</i>	35.33	
22 11 16 00-0051 EA 8", 150 LB, Galvanized Malleable Iron 90 Degree Elbow .....	1,912.01	82.08
<i>For ASTM 120, Deduct</i>	-268.34	
<i>For 300 LB Rating, Add</i>	6,089.81	
<i>For Work In Restricted Working Space, Add</i>	36.92	
<b>22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows</b> <small>(22 11 16 00-0013)</small>		
22 11 16 00-0053 EA 3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	41.19	18.36
<i>For ASTM 120, Deduct</i>	-2.04	
<i>For Work In Restricted Working Space, Add</i>	8.28	
22 11 16 00-0054 EA 1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	48.30	20.60
<i>For ASTM 120, Deduct</i>	-2.62	
<i>For Work In Restricted Working Space, Add</i>	9.26	
22 11 16 00-0055 EA 1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	47.81	19.53
<i>For ASTM 120, Deduct</i>	-2.78	
<i>For Work In Restricted Working Space, Add</i>	8.79	
22 11 16 00-0056 EA 1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	63.97	23.14
<i>For ASTM 120, Deduct</i>	-4.39	
<i>For Work In Restricted Working Space, Add</i>	10.41	
22 11 16 00-0057 EA 1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	68.16	21.97
<i>For ASTM 120, Deduct</i>	-5.28	
<i>For Work In Restricted Working Space, Add</i>	9.90	
22 11 16 00-0058 EA 1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	68.70	20.99
<i>For ASTM 120, Deduct</i>	-5.59	
<i>For Work In Restricted Working Space, Add</i>	9.43	
22 11 16 00-0059 EA 1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	85.98	26.17
<i>For ASTM 120, Deduct</i>	-7.02	
<i>For Work In Restricted Working Space, Add</i>	11.76	
22 11 16 00-0060 EA 1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	83.84	24.71
<i>For ASTM 120, Deduct</i>	-7.02	
<i>For Work In Restricted Working Space, Add</i>	11.12	
22 11 16 00-0061 EA 1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	82.13	23.53
<i>For ASTM 120, Deduct</i>	-7.02	
<i>For Work In Restricted Working Space, Add</i>	10.60	
22 11 16 00-0062 EA 2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	101.82	31.44
<i>For ASTM 120, Deduct</i>	-8.20	
<i>For Work In Restricted Working Space, Add</i>	14.15	
22 11 16 00-0063 EA 2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	107.47	29.88
<i>For ASTM 120, Deduct</i>	-9.40	
<i>For Work In Restricted Working Space, Add</i>	13.44	
22 11 16 00-0064 EA 2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	107.68	28.42
<i>For ASTM 120, Deduct</i>	-9.75	
<i>For Work In Restricted Working Space, Add</i>	12.80	
22 11 16 00-0065 EA 2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	90.28	27.34
<i>For ASTM 120, Deduct</i>	-7.40	
<i>For Work In Restricted Working Space, Add</i>	12.29	
22 11 16 00-0066 EA 2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	250.71	43.65
<i>For ASTM 120, Deduct</i>	-27.79	
<i>For Work In Restricted Working Space, Add</i>	19.64	
22 11 16 00-0067 EA 2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	266.24	39.94
<i>For ASTM 120, Deduct</i>	-30.96	
<i>For Work In Restricted Working Space, Add</i>	17.95	
22 11 16 00-0068 EA 3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	427.16	60.34
<i>For ASTM 120, Deduct</i>	-50.51	
<i>For Work In Restricted Working Space, Add</i>	27.13	
22 11 16 00-0069 EA 3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	370.24	51.84
<i>For ASTM 120, Deduct</i>	-43.87	
<i>For Work In Restricted Working Space, Add</i>	23.33	
22 11 16 00-0070 EA 4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow .....	864.64	68.46
<i>For ASTM 120, Deduct</i>	-114.30	
<i>For Work In Restricted Working Space, Add</i>	30.80	
<b>22 11 16 00-0071 Galvanized Malleable Iron 45 Degree Elbow</b> <small>(22 11 16 00-0013)</small>		
22 11 16 00-0072 EA 1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	33.54	17.38
<i>For ASTM 120, Deduct</i>	-1.13	
<i>For 300 LB Rating, Add</i>	27.06	
<i>For Work In Restricted Working Space, Add</i>	7.81	
22 11 16 00-0073 EA 3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	39.92	19.44
<i>For ASTM 120, Deduct</i>	-1.62	
<i>For 300 LB Rating, Add</i>	38.40	
<i>For Work In Restricted Working Space, Add</i>	8.74	
22 11 16 00-0074 EA 1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	44.72	21.67
<i>For ASTM 120, Deduct</i>	-1.83	
<i>For 300 LB Rating, Add</i>	43.33	
<i>For Work In Restricted Working Space, Add</i>	9.77	

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0075	EA		1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	59.58	24.61
			<i>For ASTM 120, Deduct</i>	-3.41	
			<i>For 300 LB Rating, Add</i>	79.53	
			<i>For Work In Restricted Working Space, Add</i>	11.05	
22 11 16 00-0076	EA		1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	68.26	27.73
			<i>For ASTM 120, Deduct</i>	-4.01	
			<i>For 300 LB Rating, Add</i>	93.31	
			<i>For Work In Restricted Working Space, Add</i>	12.47	
22 11 16 00-0077	EA		2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	92.31	35.25
			<i>For ASTM 120, Deduct</i>	-5.93	
			<i>For 300 LB Rating, Add</i>	137.57	
			<i>For Work In Restricted Working Space, Add</i>	15.83	
22 11 16 00-0078	EA		2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	215.64	52.14
			<i>For ASTM 120, Deduct</i>	-20.63	
			<i>For 300 LB Rating, Add</i>	472.29	
			<i>For Work In Restricted Working Space, Add</i>	23.43	
22 11 16 00-0079	EA		3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	302.81	68.55
			<i>For ASTM 120, Deduct</i>	-30.00	
			<i>For 300 LB Rating, Add</i>	686.27	
			<i>For Work In Restricted Working Space, Add</i>	30.83	
22 11 16 00-0080	EA		4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	443.29	71.98
			<i>For ASTM 120, Deduct</i>	-50.30	
			<i>For 300 LB Rating, Add</i>	1,146.67	
			<i>For Work In Restricted Working Space, Add</i>	32.38	
22 11 16 00-0081	EA		5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	1,467.70	75.12
			<i>For ASTM 120, Deduct</i>	-203.26	
			<i>For 300 LB Rating, Add</i>	4,614.00	
			<i>For Work In Restricted Working Space, Add</i>	33.79	
22 11 16 00-0082	EA		6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	1,751.65	78.55
			<i>For ASTM 120, Deduct</i>	-245.09	
			<i>For 300 LB Rating, Add</i>	5,562.33	
			<i>For Work In Restricted Working Space, Add</i>	35.33	
22 11 16 00-0083	EA		8", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	2,091.43	82.08
			<i>For ASTM 120, Deduct</i>	-295.26	
			<i>For 300 LB Rating, Add</i>	6,699.84	
			<i>For Work In Restricted Working Space, Add</i>	36.92	
<b>22 11 16 00-0084</b>			<b>Galvanized Malleable Iron Tees</b> <small>(22 11 16 00-0013)</small>		
22 11 16 00-0085	EA		1/2", 150 LB, Galvanized Malleable Iron Tee.....	40.80	21.67
			<i>For ASTM 120, Deduct</i>	-1.24	
			<i>For 300 LB Rating, Add</i>	30.00	
			<i>For Work In Restricted Working Space, Add</i>	9.77	
22 11 16 00-0086	EA		3/4", 150 LB, Galvanized Malleable Iron Tee.....	51.16	25.09
			<i>For ASTM 120, Deduct</i>	-2.04	
			<i>For 300 LB Rating, Add</i>	48.53	
			<i>For Work In Restricted Working Space, Add</i>	11.27	
22 11 16 00-0087	EA		1", 150 LB, Galvanized Malleable Iron Tee.....	66.38	29.59
			<i>For ASTM 120, Deduct</i>	-3.30	
			<i>For 300 LB Rating, Add</i>	77.46	
			<i>For Work In Restricted Working Space, Add</i>	13.31	
22 11 16 00-0088	EA		1-1/4", 150 LB, Galvanized Malleable Iron Tee.....	87.69	35.25
			<i>For ASTM 120, Deduct</i>	-5.24	
			<i>For 300 LB Rating, Add</i>	121.86	
			<i>For Work In Restricted Working Space, Add</i>	15.83	
22 11 16 00-0089	EA		1-1/2", 150 LB, Galvanized Malleable Iron Tee.....	106.38	41.99
			<i>For ASTM 120, Deduct</i>	-6.51	
			<i>For 300 LB Rating, Add</i>	151.31	
			<i>For Work In Restricted Working Space, Add</i>	18.90	
22 11 16 00-0090	EA		2", 150 LB, Galvanized Malleable Iron Tee.....	148.64	52.14
			<i>For ASTM 120, Deduct</i>	-10.58	
			<i>For 300 LB Rating, Add</i>	244.49	
			<i>For Work In Restricted Working Space, Add</i>	23.43	
22 11 16 00-0091	EA		2-1/2", 150 LB, Galvanized Malleable Iron Tee.....	283.49	56.63
			<i>For ASTM 120, Deduct</i>	-29.79	
			<i>For 300 LB Rating, Add</i>	680.27	
			<i>For Work In Restricted Working Space, Add</i>	25.47	
22 11 16 00-0092	EA		3", 150 LB, Galvanized Malleable Iron Tee.....	335.65	68.55
			<i>For ASTM 120, Deduct</i>	-34.93	
			<i>For 300 LB Rating, Add</i>	797.92	
			<i>For Work In Restricted Working Space, Add</i>	30.83	
22 11 16 00-0093	EA		4", 150 LB, Galvanized Malleable Iron Tee.....	687.24	90.95
			<i>For ASTM 120, Deduct</i>	-82.63	
			<i>For 300 LB Rating, Add</i>	1,881.21	
			<i>For Work In Restricted Working Space, Add</i>	40.91	
22 11 16 00-0094	EA		5", 150 LB, Galvanized Malleable Iron Tee.....	1,893.59	107.97
			<i>For ASTM 120, Deduct</i>	-259.75	
			<i>For 300 LB Rating, Add</i>	5,897.43	
			<i>For Work In Restricted Working Space, Add</i>	48.57	
22 11 16 00-0095	EA		6", 150 LB, Galvanized Malleable Iron Tee.....	2,149.17	123.42
			<i>For ASTM 120, Deduct</i>	-294.62	
			<i>For 300 LB Rating, Add</i>	6,689.14	
			<i>For Work In Restricted Working Space, Add</i>	55.51	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0096	EA		8", 150 LB, Galvanized Malleable Iron Tee..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,555.79 -350.06 7,948.04 66.62	146.55
<b>22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)</b>						
	22 11 16 00-0098	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.73 -2.88 67.17 9.77	21.67
	22 11 16 00-0099	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.46 -2.84 66.55 11.27	25.09
	22 11 16 00-0100	EA		1", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.95 -3.99 93.00 13.31	29.59
	22 11 16 00-0101	EA		1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.99 -6.18 143.28 15.83	35.25
	22 11 16 00-0102	EA		1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.89 -7.64 176.84 18.90	41.99
	22 11 16 00-0103	EA		2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	152.42 -11.15 257.34 23.43	52.14
	22 11 16 00-0104	EA		2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	347.63 -39.37 897.47 25.55	56.82
	22 11 16 00-0105	EA		3", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	444.79 -51.06 1,163.59 31.32	69.62
	22 11 16 00-0106	EA		4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,123.10 -148.01 3,363.13 40.91	90.95
	22 11 16 00-0107	EA		5", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,450.08 -343.23 7,789.49 48.57	107.97
	22 11 16 00-0108	EA		6", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,781.01 -389.40 8,837.40 55.51	123.42
	22 11 16 00-0109	EA		8", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,342.87 -469.51 10,655.01 63.84	141.73
<b>22 11 16 00-0110 Galvanized Malleable Iron Couplings (22 11 16 00-0013)</b>						
	22 11 16 00-0111	EA		1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.33 -0.94 22.95 7.81	17.38
	22 11 16 00-0112	EA		3/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.39 -1.09 26.40 8.74	19.44
	22 11 16 00-0113	EA		1", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.43 -1.78 42.35 9.77	21.67
	22 11 16 00-0114	EA		1-1/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.59 -2.51 59.16 11.05	24.61
	22 11 16 00-0115	EA		1-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.59 -2.86 67.23 12.47	27.73
	22 11 16 00-0116	EA		2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.62 -4.18 97.82 15.83	35.25

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0117	EA		2-1/2", 150 LB, Galvanized Malleable Iron Coupling.....	163.33	52.14
			<i>For ASTM 120, Deduct</i>	-12.78	
			<i>For 300 LB Rating, Add</i>	294.43	
			<i>For Work In Restricted Working Space, Add</i>	23.43	
22 11 16 00-0118	EA		3", 150 LB, Galvanized Malleable Iron Coupling.....	216.68	68.55
			<i>For ASTM 120, Deduct</i>	-17.09	
			<i>For 300 LB Rating, Add</i>	393.43	
			<i>For Work In Restricted Working Space, Add</i>	30.83	
22 11 16 00-0119	EA		4", 150 LB, Galvanized Malleable Iron Coupling.....	349.84	71.98
			<i>For ASTM 120, Deduct</i>	-36.29	
			<i>For 300 LB Rating, Add</i>	828.94	
			<i>For Work In Restricted Working Space, Add</i>	32.38	
22 11 16 00-0120	EA		5", 150 LB, Galvanized Malleable Iron Coupling.....	793.77	75.12
			<i>For ASTM 120, Deduct</i>	-102.17	
			<i>For 300 LB Rating, Add</i>	2,322.63	
			<i>For Work In Restricted Working Space, Add</i>	33.79	
22 11 16 00-0121	EA		6", 150 LB, Galvanized Malleable Iron Coupling.....	893.75	78.55
			<i>For ASTM 120, Deduct</i>	-116.40	
			<i>For 300 LB Rating, Add</i>	2,645.47	
			<i>For Work In Restricted Working Space, Add</i>	35.33	
22 11 16 00-0122	EA		8", 150 LB, Galvanized Malleable Iron Coupling.....	1,058.30	82.08
			<i>For ASTM 120, Deduct</i>	-140.29	
			<i>For 300 LB Rating, Add</i>	3,187.20	
			<i>For Work In Restricted Working Space, Add</i>	36.92	
<b>22 11 16 00-0123</b>			<b>Galvanized Malleable Iron Reducing Couplings</b> (22 11 16 00-0013)		
22 11 16 00-0124	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	33.67	17.38
			<i>For ASTM 120, Deduct</i>	-1.14	
			<i>For 300 LB Rating, Add</i>	27.50	
			<i>For Work In Restricted Working Space, Add</i>	7.81	
22 11 16 00-0125	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	37.30	19.44
			<i>For ASTM 120, Deduct</i>	-1.22	
			<i>For 300 LB Rating, Add</i>	29.49	
			<i>For Work In Restricted Working Space, Add</i>	8.74	
22 11 16 00-0126	EA		1", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	46.15	21.67
			<i>For ASTM 120, Deduct</i>	-2.04	
			<i>For 300 LB Rating, Add</i>	48.19	
			<i>For Work In Restricted Working Space, Add</i>	9.77	
22 11 16 00-0127	EA		1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	54.42	24.61
			<i>For ASTM 120, Deduct</i>	-2.64	
			<i>For 300 LB Rating, Add</i>	61.98	
			<i>For Work In Restricted Working Space, Add</i>	11.05	
22 11 16 00-0128	EA		1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	64.22	27.73
			<i>For ASTM 120, Deduct</i>	-3.40	
			<i>For 300 LB Rating, Add</i>	79.57	
			<i>For Work In Restricted Working Space, Add</i>	12.47	
22 11 16 00-0129	EA		2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	83.71	35.25
			<i>For ASTM 120, Deduct</i>	-4.64	
			<i>For 300 LB Rating, Add</i>	108.33	
			<i>For Work In Restricted Working Space, Add</i>	15.83	
22 11 16 00-0130	EA		2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	164.41	52.14
			<i>For ASTM 120, Deduct</i>	-12.95	
			<i>For 300 LB Rating, Add</i>	298.11	
			<i>For Work In Restricted Working Space, Add</i>	23.43	
22 11 16 00-0131	EA		3", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	213.45	68.55
			<i>For ASTM 120, Deduct</i>	-16.60	
			<i>For 300 LB Rating, Add</i>	382.44	
			<i>For Work In Restricted Working Space, Add</i>	30.83	
22 11 16 00-0132	EA		4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	356.07	71.98
			<i>For ASTM 120, Deduct</i>	-37.22	
			<i>For 300 LB Rating, Add</i>	850.12	
			<i>For Work In Restricted Working Space, Add</i>	32.38	
22 11 16 00-0133	EA		5", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	829.62	75.12
			<i>For ASTM 120, Deduct</i>	-107.55	
			<i>For 300 LB Rating, Add</i>	2,444.52	
			<i>For Work In Restricted Working Space, Add</i>	33.79	
22 11 16 00-0134	EA		6", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	934.59	78.55
			<i>For ASTM 120, Deduct</i>	-122.53	
			<i>For 300 LB Rating, Add</i>	2,784.32	
			<i>For Work In Restricted Working Space, Add</i>	35.33	
22 11 16 00-0135	EA		8", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	1,107.89	82.08
			<i>For ASTM 120, Deduct</i>	-147.72	
			<i>For 300 LB Rating, Add</i>	3,355.81	
			<i>For Work In Restricted Working Space, Add</i>	36.92	
<b>22 11 16 00-0136</b>			<b>Galvanized Malleable Iron Caps</b> (22 11 16 00-0013)		
22 11 16 00-0137	EA		1/2", 150 LB, Galvanized Malleable Iron Cap.....	14.51	8.10
			<i>For ASTM 120, Deduct</i>	-0.35	
			<i>For 300 LB Rating, Add</i>	8.55	
			<i>For Work In Restricted Working Space, Add</i>	3.66	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0138	EA			3/4", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.19 -0.48 11.59 3.90	8.69
22 11 16 00-0139	EA			1", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.97 -0.59 14.33 4.51	10.06
22 11 16 00-0140	EA			1-1/4", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.95 -0.78 18.63 4.73	10.54
22 11 16 00-0141	EA			1-1/2", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.62 -0.73 17.50 4.73	10.54
22 11 16 00-0142	EA			2", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.42 -1.56 36.69 6.30	13.96
22 11 16 00-0143	EA			2-1/2", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.42 -3.51 81.05 7.81	17.38
22 11 16 00-0144	EA			3", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.78 -4.99 115.04 9.45	20.99
22 11 16 00-0145	EA			4", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.23 -9.33 213.77 11.10	24.70
22 11 16 00-0146	EA			5", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	252.81 -30.98 705.05 13.88	30.90
22 11 16 00-0147	EA			6", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	315.44 -39.05 888.40 16.54	36.73
22 11 16 00-0148	EA			8", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	398.89 -50.60 1,150.72 18.46	41.04
<b>22 11 16 00-0149</b>				<b>Galvanized Malleable Iron FIP Threaded, Unions</b> <small>(22 11 16 00-0013)</small>		
22 11 16 00-0150	EA			1/2", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	48.88 9.77	21.67
22 11 16 00-0151	EA			3/4", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	56.31 11.27	25.09
22 11 16 00-0152	EA			1", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	68.95 13.31	29.59
22 11 16 00-0153	EA			1-1/4", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	88.30 15.83	35.25
22 11 16 00-0154	EA			1-1/2", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	106.03 18.90	41.99
22 11 16 00-0155	EA			2", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	127.59 23.43	52.14
22 11 16 00-0156	EA			2-1/2", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	287.18 34.59	76.84
22 11 16 00-0157	EA			3", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	392.27 45.52	101.06
22 11 16 00-0158	EA			1/2", 250 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	65.74 9.76	21.67
22 11 16 00-0159	EA			3/4", 250 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	67.72 11.27	25.09
22 11 16 00-0160	EA			1", 250 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	81.77 13.31	29.59
22 11 16 00-0161	EA			1-1/4", 250 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	109.41 15.83	35.25
22 11 16 00-0162	EA			1-1/2", 250 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	128.19 18.90	41.99
22 11 16 00-0163	EA			2", 250 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	170.19 23.43	52.14
22 11 16 00-0164	EA			2-1/2", 250 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	357.54 34.59	76.84
22 11 16 00-0165	EA			3", 250 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	523.37 45.52	101.06
22 11 16 00-0166	EA			4", 250 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	742.33 47.80	106.21
22 11 16 00-0167	EA			1/2", 300 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	70.37 9.76	21.67
22 11 16 00-0168	EA			3/4", 300 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	78.57 11.27	25.09

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0169	EA	1"	300 LB, Galvanized Malleable Iron Union.....	98.79	29.59
			<i>For Work In Restricted Working Space, Add</i>	13.31	
22 11 16 00-0170	EA	1-1/4"	300 LB, Galvanized Malleable Iron Union .....	128.65	35.25
			<i>For Work In Restricted Working Space, Add</i>	15.83	
22 11 16 00-0171	EA	1-1/2"	300 LB, Galvanized Malleable Iron Union .....	154.36	41.99
			<i>For Work In Restricted Working Space, Add</i>	18.90	
22 11 16 00-0172	EA	2"	300 LB, Galvanized Malleable Iron Union.....	187.78	52.14
			<i>For Work In Restricted Working Space, Add</i>	23.43	
22 11 16 00-0173	EA	2-1/2"	300 LB, Galvanized Malleable Iron Union .....	421.22	76.84
			<i>For Work In Restricted Working Space, Add</i>	34.59	
22 11 16 00-0174	EA	3"	300 LB, Galvanized Malleable Iron Union.....	669.10	101.06
			<i>For Work In Restricted Working Space, Add</i>	45.52	
22 11 16 00-0175	EA	4"	300 LB, Galvanized Malleable Iron Union.....	1,456.94	106.21
			<i>For Work In Restricted Working Space, Add</i>	47.80	
<b>22 11 16 00-0176</b>			<b>Galvanized Steel Nipples</b> (22 11 16 00-0013)		
			Note: ASTM A-53.		
22 11 16 00-0177	EA	3/8" x Close,	Schedule 40 Galvanized Steel Nipple.....	16.51	9.27
			<i>For Schedule 80 Nipples, Add</i>	2.92	
			<i>For ASTM 120, Deduct</i>	-0.38	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0178	EA	1/2" x Close,	Schedule 40 Galvanized Steel Nipple.....	16.02	9.27
			<i>For Schedule 80 Nipples, Add</i>	2.36	
			<i>For ASTM 120, Deduct</i>	-0.31	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0179	EA	3/4" x Close,	Schedule 40 Galvanized Steel Nipple.....	16.46	9.27
			<i>For Schedule 80 Nipples, Add</i>	2.86	
			<i>For ASTM 120, Deduct</i>	-0.38	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0180	EA	1" x Close,	Schedule 40 Galvanized Steel Nipple.....	18.47	10.06
			<i>For Schedule 80 Nipples, Add</i>	3.93	
			<i>For ASTM 120, Deduct</i>	-0.52	
			<i>For Work In Restricted Working Space, Add</i>	4.51	
22 11 16 00-0181	EA	1-1/4" x Close,	Schedule 40 Galvanized Steel Nipple .....	20.89	10.84
			<i>For Schedule 80 Nipples, Add</i>	5.27	
			<i>For ASTM 120, Deduct</i>	-0.69	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0182	EA	1-1/2" x Close,	Schedule 40 Galvanized Steel Nipple .....	21.70	10.84
			<i>For Schedule 80 Nipples, Add</i>	6.19	
			<i>For ASTM 120, Deduct</i>	-0.81	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0183	EA	2" x Close,	Schedule 40 Galvanized Steel Nipple.....	28.65	13.96
			<i>For Schedule 80 Nipples, Add</i>	8.72	
			<i>For ASTM 120, Deduct</i>	-1.15	
			<i>For Work In Restricted Working Space, Add</i>	6.30	
22 11 16 00-0184	EA	2-1/2" x Close,	Schedule 40 Galvanized Steel Nipple .....	48.81	17.38
			<i>For Schedule 80 Nipples, Add</i>	25.96	
			<i>For ASTM 120, Deduct</i>	-3.42	
			<i>For Work In Restricted Working Space, Add</i>	7.81	
22 11 16 00-0185	EA	3" x Close,	Schedule 40 Galvanized Steel Nipple.....	58.78	20.99
			<i>For Schedule 80 Nipples, Add</i>	31.10	
			<i>For ASTM 120, Deduct</i>	-4.09	
			<i>For Work In Restricted Working Space, Add</i>	9.45	
22 11 16 00-0186	EA	4" x Close,	Schedule 40 Galvanized Steel Nipple.....	77.90	24.70
			<i>For Schedule 80 Nipples, Add</i>	46.61	
			<i>For ASTM 120, Deduct</i>	-6.13	
			<i>For Work In Restricted Working Space, Add</i>	11.10	
22 11 16 00-0187	EA	3/8" x 1-1/2" Long,	Schedule 40 Galvanized Steel Nipple .....	16.89	9.27
			<i>For Schedule 80 Nipples, Add</i>	3.35	
			<i>For ASTM 120, Deduct</i>	-0.44	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0188	EA	1/2" x 1-1/2" Long,	Schedule 40 Galvanized Steel Nipple .....	16.13	9.27
			<i>For Schedule 80 Nipples, Add</i>	2.49	
			<i>For ASTM 120, Deduct</i>	-0.33	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0189	EA	3/4" x 1-1/2" Long,	Schedule 40 Galvanized Steel Nipple .....	16.69	9.27
			<i>For Schedule 80 Nipples, Add</i>	3.12	
			<i>For ASTM 120, Deduct</i>	-0.41	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0190	EA	3/8" x 2" Long,	Schedule 40 Galvanized Steel Nipple.....	16.89	9.27
			<i>For Schedule 80 Nipples, Add</i>	3.35	
			<i>For ASTM 120, Deduct</i>	-0.44	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0191	EA	1/2" x 2" Long,	Schedule 40 Galvanized Steel Nipple.....	16.13	9.27
			<i>For Schedule 80 Nipples, Add</i>	2.49	
			<i>For ASTM 120, Deduct</i>	-0.33	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0192	EA	3/4" x 2" Long,	Schedule 40 Galvanized Steel Nipple.....	16.69	9.27
			<i>For Schedule 80 Nipples, Add</i>	3.12	
			<i>For ASTM 120, Deduct</i>	-0.41	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0193	EA	1" x 2" Long,	Schedule 40 Galvanized Steel Nipple.....	19.09	10.06
			<i>For Schedule 80 Nipples, Add</i>	4.64	
			<i>For ASTM 120, Deduct</i>	-0.61	
			<i>For Work In Restricted Working Space, Add</i>	4.51	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0194 EA 1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.23 5.65 -0.74 4.88	10.84
22 11 16 00-0195 EA 1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.10 6.65 -0.87 4.88	10.84
22 11 16 00-0196 EA 3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.86 4.46 -0.59 4.19	9.27
22 11 16 00-0197 EA 1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.51 2.92 -0.38 4.19	9.27
22 11 16 00-0198 EA 3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.97 3.44 -0.45 4.19	9.27
22 11 16 00-0199 EA 1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.42 5.02 -0.66 4.51	10.06
22 11 16 00-0200 EA 1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.72 6.21 -0.82 4.88	10.84
22 11 16 00-0201 EA 1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.76 7.40 -0.97 4.88	10.84
22 11 16 00-0202 EA 2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	29.61 9.82 -1.29 6.30	13.96
22 11 16 00-0203 EA 3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.86 4.46 -0.59 4.19	9.27
22 11 16 00-0204 EA 1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.51 2.92 -0.38 4.19	9.27
22 11 16 00-0205 EA 3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.97 3.44 -0.45 4.19	9.27
22 11 16 00-0206 EA 1" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.42 5.02 -0.66 4.51	10.06
22 11 16 00-0207 EA 1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.72 6.21 -0.82 4.88	10.84
22 11 16 00-0208 EA 1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.76 7.40 -0.97 4.88	10.84
22 11 16 00-0209 EA 2" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	29.61 9.82 -1.29 6.30	13.96
22 11 16 00-0210 EA 2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	49.68 26.95 -3.55 7.81	17.38
22 11 16 00-0211 EA 3" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	62.54 35.39 -4.66 9.45	20.99
22 11 16 00-0212 EA 3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.60 5.30 -0.70 4.19	9.27
22 11 16 00-0213 EA 1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.11 3.60 -0.47 4.19	9.27
22 11 16 00-0214 EA 3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.86 4.46 -0.59 4.19	9.27

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0215	EA		1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	20.31	10.06
			<i>For Schedule 80 Nipples, Add</i>	6.03	
			<i>For ASTM 120, Deduct</i>	-0.79	
			<i>For Work In Restricted Working Space, Add</i>	4.51	
22 11 16 00-0216	EA		1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	22.76	10.84
			<i>For Schedule 80 Nipples, Add</i>	7.40	
			<i>For ASTM 120, Deduct</i>	-0.97	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0217	EA		1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	24.47	10.84
			<i>For Schedule 80 Nipples, Add</i>	9.35	
			<i>For ASTM 120, Deduct</i>	-1.23	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0218	EA		2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	31.45	13.96
			<i>For Schedule 80 Nipples, Add</i>	11.91	
			<i>For ASTM 120, Deduct</i>	-1.57	
			<i>For Work In Restricted Working Space, Add</i>	6.30	
22 11 16 00-0219	EA		2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	53.48	17.38
			<i>For Schedule 80 Nipples, Add</i>	31.28	
			<i>For ASTM 120, Deduct</i>	-4.12	
			<i>For Work In Restricted Working Space, Add</i>	7.81	
22 11 16 00-0220	EA		3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	67.92	20.99
			<i>For Schedule 80 Nipples, Add</i>	41.52	
			<i>For ASTM 120, Deduct</i>	-5.46	
			<i>For Work In Restricted Working Space, Add</i>	9.45	
22 11 16 00-0221	EA		3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	18.60	9.27
			<i>For Schedule 80 Nipples, Add</i>	5.30	
			<i>For ASTM 120, Deduct</i>	-0.70	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0222	EA		1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	17.11	9.27
			<i>For Schedule 80 Nipples, Add</i>	3.60	
			<i>For ASTM 120, Deduct</i>	-0.47	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0223	EA		3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	18.60	9.27
			<i>For Schedule 80 Nipples, Add</i>	5.30	
			<i>For ASTM 120, Deduct</i>	-0.70	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0224	EA		1" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	20.31	10.06
			<i>For Schedule 80 Nipples, Add</i>	6.03	
			<i>For ASTM 120, Deduct</i>	-0.79	
			<i>For Work In Restricted Working Space, Add</i>	4.51	
22 11 16 00-0225	EA		1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple .....	22.76	10.84
			<i>For Schedule 80 Nipples, Add</i>	7.40	
			<i>For ASTM 120, Deduct</i>	-0.97	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0226	EA		1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple .....	24.47	10.84
			<i>For Schedule 80 Nipples, Add</i>	9.35	
			<i>For ASTM 120, Deduct</i>	-1.23	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0227	EA		2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	31.54	13.96
			<i>For Schedule 80 Nipples, Add</i>	12.02	
			<i>For ASTM 120, Deduct</i>	-1.58	
			<i>For Work In Restricted Working Space, Add</i>	6.30	
22 11 16 00-0228	EA		2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple .....	53.48	17.38
			<i>For Schedule 80 Nipples, Add</i>	31.28	
			<i>For ASTM 120, Deduct</i>	-4.12	
			<i>For Work In Restricted Working Space, Add</i>	7.81	
22 11 16 00-0229	EA		3" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	67.92	20.99
			<i>For Schedule 80 Nipples, Add</i>	41.52	
			<i>For ASTM 120, Deduct</i>	-5.46	
			<i>For Work In Restricted Working Space, Add</i>	9.45	
22 11 16 00-0230	EA		4" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	85.91	24.70
			<i>For Schedule 80 Nipples, Add</i>	55.75	
			<i>For ASTM 120, Deduct</i>	-7.34	
			<i>For Work In Restricted Working Space, Add</i>	11.10	
22 11 16 00-0231	EA		3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	20.35	9.27
			<i>For Schedule 80 Nipples, Add</i>	7.30	
			<i>For ASTM 120, Deduct</i>	-0.96	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0232	EA		1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	17.75	9.27
			<i>For Schedule 80 Nipples, Add</i>	4.33	
			<i>For ASTM 120, Deduct</i>	-0.57	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0233	EA		3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	18.62	9.27
			<i>For Schedule 80 Nipples, Add</i>	5.32	
			<i>For ASTM 120, Deduct</i>	-0.70	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0234	EA		1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	21.51	10.06
			<i>For Schedule 80 Nipples, Add</i>	7.40	
			<i>For ASTM 120, Deduct</i>	-0.97	
			<i>For Work In Restricted Working Space, Add</i>	4.51	
22 11 16 00-0235	EA		1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	24.30	10.84
			<i>For Schedule 80 Nipples, Add</i>	9.15	
			<i>For ASTM 120, Deduct</i>	-1.20	
			<i>For Work In Restricted Working Space, Add</i>	4.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0236 EA 1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	26.19	10.84
<i>For Schedule 80 Nipples, Add</i>	11.31	
<i>For ASTM 120, Deduct</i>	-1.49	
<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0237 EA 2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	34.34	13.96
<i>For Schedule 80 Nipples, Add</i>	15.21	
<i>For ASTM 120, Deduct</i>	-2.00	
<i>For Work In Restricted Working Space, Add</i>	6.30	
22 11 16 00-0238 EA 2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	56.64	17.38
<i>For Schedule 80 Nipples, Add</i>	34.88	
<i>For ASTM 120, Deduct</i>	-4.59	
<i>For Work In Restricted Working Space, Add</i>	7.81	
22 11 16 00-0239 EA 3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	73.95	20.99
<i>For Schedule 80 Nipples, Add</i>	48.39	
<i>For ASTM 120, Deduct</i>	-6.37	
<i>For Work In Restricted Working Space, Add</i>	9.45	
22 11 16 00-0240 EA 4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	91.84	24.70
<i>For Schedule 80 Nipples, Add</i>	62.51	
<i>For ASTM 120, Deduct</i>	-8.22	
<i>For Work In Restricted Working Space, Add</i>	11.10	
22 11 16 00-0241 EA 3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple .....	20.35	9.27
<i>For Schedule 80 Nipples, Add</i>	7.30	
<i>For ASTM 120, Deduct</i>	-0.96	
<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0242 EA 1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple .....	17.75	9.27
<i>For Schedule 80 Nipples, Add</i>	4.33	
<i>For ASTM 120, Deduct</i>	-0.57	
<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0243 EA 3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple .....	18.62	9.27
<i>For Schedule 80 Nipples, Add</i>	5.32	
<i>For ASTM 120, Deduct</i>	-0.70	
<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0244 EA 1" x 5" Long, Schedule 40 Galvanized Steel Nipple .....	21.51	10.06
<i>For Schedule 80 Nipples, Add</i>	7.40	
<i>For ASTM 120, Deduct</i>	-0.97	
<i>For Work In Restricted Working Space, Add</i>	4.51	
22 11 16 00-0245 EA 1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple .....	24.30	10.84
<i>For Schedule 80 Nipples, Add</i>	9.15	
<i>For ASTM 120, Deduct</i>	-1.20	
<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0246 EA 1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple .....	26.19	10.84
<i>For Schedule 80 Nipples, Add</i>	11.31	
<i>For ASTM 120, Deduct</i>	-1.49	
<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0247 EA 2" x 5" Long, Schedule 40 Galvanized Steel Nipple .....	34.34	13.96
<i>For Schedule 80 Nipples, Add</i>	15.21	
<i>For ASTM 120, Deduct</i>	-2.00	
<i>For Work In Restricted Working Space, Add</i>	6.30	
22 11 16 00-0248 EA 2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple .....	56.64	17.38
<i>For Schedule 80 Nipples, Add</i>	34.88	
<i>For ASTM 120, Deduct</i>	-4.59	
<i>For Work In Restricted Working Space, Add</i>	7.81	
22 11 16 00-0249 EA 3" x 5" Long, Schedule 40 Galvanized Steel Nipple .....	73.95	20.99
<i>For Schedule 80 Nipples, Add</i>	48.39	
<i>For ASTM 120, Deduct</i>	-6.37	
<i>For Work In Restricted Working Space, Add</i>	9.45	
22 11 16 00-0250 EA 4" x 5" Long, Schedule 40 Galvanized Steel Nipple .....	91.84	24.70
<i>For Schedule 80 Nipples, Add</i>	62.51	
<i>For ASTM 120, Deduct</i>	-8.22	
<i>For Work In Restricted Working Space, Add</i>	11.10	
22 11 16 00-0251 EA 3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple .....	21.07	9.27
<i>For Schedule 80 Nipples, Add</i>	8.12	
<i>For ASTM 120, Deduct</i>	-1.07	
<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0252 EA 1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple .....	18.26	9.27
<i>For Schedule 80 Nipples, Add</i>	4.91	
<i>For ASTM 120, Deduct</i>	-0.65	
<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0253 EA 3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple .....	19.55	9.27
<i>For Schedule 80 Nipples, Add</i>	6.38	
<i>For ASTM 120, Deduct</i>	-0.84	
<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0254 EA 1" x 6" Long, Schedule 40 Galvanized Steel Nipple .....	22.38	10.06
<i>For Schedule 80 Nipples, Add</i>	8.39	
<i>For ASTM 120, Deduct</i>	-1.10	
<i>For Work In Restricted Working Space, Add</i>	4.51	
22 11 16 00-0255 EA 1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple .....	25.59	10.84
<i>For Schedule 80 Nipples, Add</i>	10.62	
<i>For ASTM 120, Deduct</i>	-1.40	
<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0256 EA 1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple .....	27.43	10.84
<i>For Schedule 80 Nipples, Add</i>	12.72	
<i>For ASTM 120, Deduct</i>	-1.67	
<i>For Work In Restricted Working Space, Add</i>	4.88	

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0257	EA		2" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	36.50	13.96
			<i>For Schedule 80 Nipples, Add</i>	17.67	
			<i>For ASTM 120, Deduct</i>	-2.33	
			<i>For Work In Restricted Working Space, Add</i>	6.30	
22 11 16 00-0258	EA		2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple .....	59.66	17.38
			<i>For Schedule 80 Nipples, Add</i>	38.33	
			<i>For ASTM 120, Deduct</i>	-5.04	
			<i>For Work In Restricted Working Space, Add</i>	7.81	
22 11 16 00-0259	EA		3" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	76.39	20.99
			<i>For Schedule 80 Nipples, Add</i>	51.17	
			<i>For ASTM 120, Deduct</i>	-6.73	
			<i>For Work In Restricted Working Space, Add</i>	9.45	
22 11 16 00-0260	EA		4" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	97.62	24.70
			<i>For Schedule 80 Nipples, Add</i>	69.10	
			<i>For ASTM 120, Deduct</i>	-9.09	
			<i>For Work In Restricted Working Space, Add</i>	11.10	
22 11 16 00-0261	EA		3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	42.39	9.27
			<i>For Schedule 80 Nipples, Add</i>	32.42	
			<i>For ASTM 120, Deduct</i>	-4.27	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0262	EA		1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	21.55	9.27
			<i>For Schedule 80 Nipples, Add</i>	8.66	
			<i>For ASTM 120, Deduct</i>	-1.14	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0263	EA		3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	23.67	9.27
			<i>For Schedule 80 Nipples, Add</i>	11.08	
			<i>For ASTM 120, Deduct</i>	-1.46	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0264	EA		1" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	27.34	10.06
			<i>For Schedule 80 Nipples, Add</i>	14.04	
			<i>For ASTM 120, Deduct</i>	-1.85	
			<i>For Work In Restricted Working Space, Add</i>	4.51	
22 11 16 00-0265	EA		1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple .....	31.37	10.84
			<i>For Schedule 80 Nipples, Add</i>	17.21	
			<i>For ASTM 120, Deduct</i>	-2.27	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0266	EA		1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple .....	33.59	10.84
			<i>For Schedule 80 Nipples, Add</i>	19.74	
			<i>For ASTM 120, Deduct</i>	-2.60	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0267	EA		2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	46.26	13.96
			<i>For Schedule 80 Nipples, Add</i>	28.80	
			<i>For ASTM 120, Deduct</i>	-3.79	
			<i>For Work In Restricted Working Space, Add</i>	6.30	
22 11 16 00-0268	EA		2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple .....	69.31	17.38
			<i>For Schedule 80 Nipples, Add</i>	49.33	
			<i>For ASTM 120, Deduct</i>	-6.49	
			<i>For Work In Restricted Working Space, Add</i>	7.81	
22 11 16 00-0269	EA		3" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	91.98	20.99
			<i>For Schedule 80 Nipples, Add</i>	68.95	
			<i>For ASTM 120, Deduct</i>	-9.07	
			<i>For Work In Restricted Working Space, Add</i>	9.45	
22 11 16 00-0270	EA		4" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	109.34	24.70
			<i>For Schedule 80 Nipples, Add</i>	82.46	
			<i>For ASTM 120, Deduct</i>	-10.85	
			<i>For Work In Restricted Working Space, Add</i>	11.10	
22 11 16 00-0271	EA		3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	27.51	9.27
			<i>For Schedule 80 Nipples, Add</i>	15.46	
			<i>For ASTM 120, Deduct</i>	-2.03	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0272	EA		1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	22.98	9.27
			<i>For Schedule 80 Nipples, Add</i>	10.29	
			<i>For ASTM 120, Deduct</i>	-1.35	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0273	EA		3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	24.73	9.27
			<i>For Schedule 80 Nipples, Add</i>	12.29	
			<i>For ASTM 120, Deduct</i>	-1.62	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
22 11 16 00-0274	EA		1" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	29.10	10.06
			<i>For Schedule 80 Nipples, Add</i>	16.05	
			<i>For ASTM 120, Deduct</i>	-2.11	
			<i>For Work In Restricted Working Space, Add</i>	4.51	
22 11 16 00-0275	EA		1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple .....	34.33	10.84
			<i>For Schedule 80 Nipples, Add</i>	20.59	
			<i>For ASTM 120, Deduct</i>	-2.71	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0276	EA		1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple .....	36.46	10.84
			<i>For Schedule 80 Nipples, Add</i>	23.02	
			<i>For ASTM 120, Deduct</i>	-3.03	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0277	EA		2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	50.55	13.96
			<i>For Schedule 80 Nipples, Add</i>	33.69	
			<i>For ASTM 120, Deduct</i>	-4.43	
			<i>For Work In Restricted Working Space, Add</i>	6.30	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0278	EA			2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	75.36 56.22 -7.40 7.81	17.38
22 11 16 00-0279	EA			3" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	100.50 78.66 -10.35 9.45	20.99
22 11 16 00-0280	EA			4" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	120.84 95.57 -12.57 11.10	24.70
22 11 16 00-0281	EA			3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.98 17.13 -2.25 4.19	9.27
22 11 16 00-0282	EA			1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.22 11.71 -1.54 4.19	9.27
22 11 16 00-0283	EA			3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	26.05 13.79 -1.82 4.19	9.27
22 11 16 00-0284	EA			1" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	31.41 18.68 -2.46 4.51	10.06
22 11 16 00-0285	EA			1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	37.95 24.72 -3.25 4.88	10.84
22 11 16 00-0286	EA			1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	39.37 26.33 -3.47 4.88	10.84
22 11 16 00-0287	EA			2" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	54.91 38.66 -5.09 6.30	13.96
22 11 16 00-0288	EA			2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	81.23 62.92 -8.28 7.81	17.38
22 11 16 00-0289	EA			3" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	109.08 88.44 -11.64 9.45	20.99
22 11 16 00-0290	EA			4" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	132.44 108.79 -14.31 11.10	24.70
<b>22 11 16 00-0291</b>				<b>Galvanized Malleable Iron Square Head Plugs</b> <small>(22 11 16 00-0013)</small>		
22 11 16 00-0292	EA			1/2", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.54 21.43 3.13	6.94
22 11 16 00-0293	EA			3/4", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.78 21.51 3.50	7.81
22 11 16 00-0294	EA			1", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.72 23.59 3.90	8.69
22 11 16 00-0295	EA			1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.06 35.97 4.42	9.86
22 11 16 00-0296	EA			1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.52 48.26 4.99	11.04
22 11 16 00-0297	EA			2", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.78 61.34 6.33	14.06
22 11 16 00-0298	EA			2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.71 119.04 9.38	20.80
22 11 16 00-0299	EA			3", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.01 168.69 12.34	27.44
22 11 16 00-0300	EA			4", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.69 347.72 12.95	28.77
22 11 16 00-0301	EA			5", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	231.30 635.92 13.52	30.07



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0302	EA	6"	150 LB, Galvanized Malleable Iron Square Head Plug <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	248.44 687.38 14.13	31.36
<b>22 11 16 00-0303</b>	<b>Galvanized Malleable Iron Bushing</b> <small>(22 11 16 00-0013)</small>				
22 11 16 00-0304	EA	3/4" x 1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	43.00 8.28	18.36
22 11 16 00-0305	EA	1" x 1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	47.73 8.79	19.53
22 11 16 00-0306	EA	1" x 3/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	48.32 9.26	20.60
22 11 16 00-0307	EA	1-1/4" x 1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	57.26 9.43	20.99
22 11 16 00-0308	EA	1-1/4" x 3/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	56.47 9.90	21.97
22 11 16 00-0309	EA	1-1/4" x 1"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	58.17 10.41	23.14
22 11 16 00-0310	EA	1-1/2" x 1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	67.91 10.14	22.55
22 11 16 00-0311	EA	1-1/2" x 3/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	69.46 10.60	23.53
22 11 16 00-0312	EA	1-1/2" x 1"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	67.82 11.12	24.71
22 11 16 00-0313	EA	1-1/2" x 1-1/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	67.58 11.76	26.17
22 11 16 00-0314	EA	2" x 1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	82.03 11.82	26.27
22 11 16 00-0315	EA	2" x 3/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	80.62 12.29	27.34
22 11 16 00-0316	EA	2" x 1"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	80.15 12.80	28.42
22 11 16 00-0317	EA	2" x 1-1/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	82.30 13.44	29.88
22 11 16 00-0318	EA	2" x 1-1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	80.04 14.15	31.44
22 11 16 00-0319	EA	2-1/2" x 3/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	115.31 16.09	35.74
22 11 16 00-0320	EA	2-1/2" x 1"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	117.00 16.60	36.91
22 11 16 00-0321	EA	2-1/2" x 1-1/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	119.15 17.24	38.28
22 11 16 00-0322	EA	2-1/2" x 1-1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	120.37 17.95	39.94
22 11 16 00-0323	EA	2-1/2" x 2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	119.08 19.64	43.65
22 11 16 00-0324	EA	3" x 3/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	147.38 19.79	43.94
22 11 16 00-0325	EA	3" x 1"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	149.07 20.30	45.11
22 11 16 00-0326	EA	3" x 1-1/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	151.23 20.95	46.57
22 11 16 00-0327	EA	3" x 1-1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	151.98 21.65	48.13
22 11 16 00-0328	EA	3" x 2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	150.14 23.33	51.84
22 11 16 00-0329	EA	3" x 2-1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	167.00 27.13	60.34
22 11 16 00-0330	EA	4" x 3/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	238.40 20.34	45.15
22 11 16 00-0331	EA	4" x 1"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	240.00 20.82	46.26
22 11 16 00-0332	EA	4" x 1-1/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	242.04 21.43	47.65
22 11 16 00-0333	EA	4" x 1-1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	244.27 22.10	49.13
22 11 16 00-0334	EA	4" x 2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	229.50 23.69	52.65
22 11 16 00-0335	EA	4" x 2-1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	261.59 27.29	60.69
22 11 16 00-0336	EA	4" x 3"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	262.00 30.80	68.46
<b>22 11 16 00-0337</b>	<b>Galvanized Malleable Iron Floor Flange</b> <small>(22 11 16 00-0013)</small>				
Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.					
22 11 16 00-0338	EA	1/2"	150 LB, Galvanized Malleable Iron Floor Flange	60.30	35.68
22 11 16 00-0339	EA	3/4"	150 LB, Galvanized Malleable Iron Floor Flange	65.92	39.05
22 11 16 00-0340	EA	1"	150 LB, Galvanized Malleable Iron Floor Flange	75.72	44.13
22 11 16 00-0341	EA	1-1/4"	150 LB, Galvanized Malleable Iron Floor Flange	78.70	45.70
22 11 16 00-0342	EA	1-1/2"	150 LB, Galvanized Malleable Iron Floor Flange	85.65	49.70
22 11 16 00-0343	EA	2"	150 LB, Galvanized Malleable Iron Floor Flange	92.28	51.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 16 00-0344 Galvanized Cast Iron Flanges</b> <small>(22 11 16 00-0013)</small>		
<small>Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.</small>		
22 11 16 00-0345 EA 3/4", 125 LB, Galvanized Cast Iron Flange.....	115.77	39.05
<i>For Work In Restricted Working Space, Add</i>	17.58	
22 11 16 00-0346 EA 1", 125 LB, Galvanized Cast Iron Flange.....	110.47	44.13
<i>For Work In Restricted Working Space, Add</i>	19.86	
22 11 16 00-0347 EA 1-1/4", 125 LB, Galvanized Cast Iron Flange.....	91.91	45.70
<i>For Work In Restricted Working Space, Add</i>	20.55	
22 11 16 00-0348 EA 1-1/2", 125 LB, Galvanized Cast Iron Flange.....	126.54	49.70
<i>For Work In Restricted Working Space, Add</i>	22.36	
22 11 16 00-0349 EA 2", 125 LB, Galvanized Cast Iron Flange.....	123.52	51.84
<i>For Work In Restricted Working Space, Add</i>	23.34	
22 11 16 00-0350 EA 2-1/2", 125 LB, Galvanized Cast Iron Flange.....	143.48	60.05
<i>For Work In Restricted Working Space, Add</i>	26.99	
22 11 16 00-0351 EA 3", 125 LB, Galvanized Cast Iron Flange.....	258.64	76.16
<i>For Work In Restricted Working Space, Add</i>	34.25	
22 11 16 00-0352 EA 4", 125 LB, Galvanized Cast Iron Flange.....	344.77	98.72
<i>For Work In Restricted Working Space, Add</i>	44.40	
22 11 16 00-0353 EA 5", 125 LB, Galvanized Cast Iron Flange.....	485.09	117.51
<i>For Work In Restricted Working Space, Add</i>	52.85	
22 11 16 00-0354 EA 6", 125 LB, Galvanized Cast Iron Flange.....	532.58	134.99
<i>For Work In Restricted Working Space, Add</i>	60.72	
22 11 16 00-0355 EA 8", 125 LB, Galvanized Cast Iron Flange.....	489.45	154.28
<i>For Work In Restricted Working Space, Add</i>	69.39	
<b>22 11 16 00-0356 Cut And Thread Existing In-Place Galvanized Steel Pipe</b> <small>(22 11 16 00-0013)</small>		
<small>Note: For use when connecting pipe to an existing in-place system.</small>		
22 11 16 00-0357 EA 1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	31.81	
<i>For Work In Restricted Working Space, Add</i>	9.54	
22 11 16 00-0358 EA 3/4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	34.99	
<i>For Work In Restricted Working Space, Add</i>	10.50	
22 11 16 00-0359 EA 1", Cut And Thread Existing In Place Galvanized Steel Pipe.....	38.17	
<i>For Work In Restricted Working Space, Add</i>	11.45	
22 11 16 00-0360 EA 1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	41.35	
<i>For Work In Restricted Working Space, Add</i>	12.41	
22 11 16 00-0361 EA 1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	43.46	
<i>For Work In Restricted Working Space, Add</i>	13.04	
22 11 16 00-0362 EA 2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	45.59	
<i>For Work In Restricted Working Space, Add</i>	13.68	
22 11 16 00-0363 EA 2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	47.72	
<i>For Work In Restricted Working Space, Add</i>	14.32	
22 11 16 00-0364 EA 3", Cut And Thread Existing In Place Galvanized Steel Pipe.....	49.83	
<i>For Work In Restricted Working Space, Add</i>	14.95	
22 11 16 00-0365 EA 4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	51.95	
<i>For Work In Restricted Working Space, Add</i>	15.59	
22 11 16 00-0366 EA 6", Cut And Thread Existing In Place Galvanized Steel Pipe.....	56.19	
<i>For Work In Restricted Working Space, Add</i>	16.86	
22 11 16 00-0367 EA 8", Cut And Thread Existing In Place Galvanized Steel Pipe.....	60.43	
<i>For Work In Restricted Working Space, Add</i>	18.13	
<b>22 11 16 00-0368 Copper Pipe And Fittings</b> <small>(22 11 16)</small>		
<small>Note: Excludes hangers. See CSI section 22 11 16 00-0899 for pipe with fittings assembly.</small>		
<b>22 11 16 00-0369 Copper Tube/Pipe</b> <small>(22 11 16 00-0368)</small>		
<small>Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).</small>		
<b>22 11 16 00-0370 Hard Drawn Type L Copper Tube/Pipe</b> <small>(22 11 16 00-0369)</small>		
22 11 16 00-0371 LF 1/4" Hard Drawn Type L Copper Tube/Pipe.....	5.39	2.39
<i>For Medical/Oxygen Service Tubing, Add</i>	0.14	
<i>For Up To 20, Add</i>	0.58	
<i>For &gt;150, Deduct</i>	-0.18	
<i>For Work In Restricted Working Space, Add</i>	1.07	
22 11 16 00-0372 LF 3/8" Hard Drawn Type L Copper Tube/Pipe.....	6.37	2.48
<i>For Medical/Oxygen Service Tubing, Add</i>	0.21	
<i>For Up To 20, Add</i>	0.70	
<i>For &gt;150, Deduct</i>	-0.26	
<i>For Work In Restricted Working Space, Add</i>	1.12	
22 11 16 00-0373 LF 1/2" Hard Drawn Type L Copper Tube/Pipe.....	7.02	2.59
<i>For Medical/Oxygen Service Tubing, Add</i>	0.25	
<i>For Up To 20, Add</i>	0.78	
<i>For &gt;150, Deduct</i>	-0.31	
<i>For Work In Restricted Working Space, Add</i>	1.16	
22 11 16 00-0374 LF 3/4" Hard Drawn Type L Copper Tube/Pipe.....	9.23	2.75
<i>For Medical/Oxygen Service Tubing, Add</i>	0.41	
<i>For Up To 20, Add</i>	1.05	
<i>For &gt;150, Deduct</i>	-0.51	
<i>For Work In Restricted Working Space, Add</i>	1.24	
22 11 16 00-0375 LF 1" Hard Drawn Type L Copper Tube/Pipe.....	12.01	3.08
<i>For Medical/Oxygen Service Tubing, Add</i>	0.59	
<i>For Up To 20, Add</i>	1.39	
<i>For &gt;150, Deduct</i>	-0.74	
<i>For Work In Restricted Working Space, Add</i>	1.39	

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0376 LF 1-1/4" Hard Drawn Type L Copper Tube/Pipe .....	17.07	4.59
For Medical/Oxygen Service Tubing, Add	0.82	
For Up To 20, Add	1.96	
For >150, Deduct	-1.02	
For Work In Restricted Working Space, Add	2.06	
22 11 16 00-0377 LF 1-1/2" Hard Drawn Type L Copper Tube/Pipe .....	20.79	5.12
For Medical/Oxygen Service Tubing, Add	1.05	
For Up To 20, Add	2.41	
For >150, Deduct	-1.31	
For Work In Restricted Working Space, Add	2.30	
22 11 16 00-0378 LF 2" Hard Drawn Type L Copper Tube/Pipe.....	30.21	6.32
For Medical/Oxygen Service Tubing, Add	1.66	
For Up To 20, Add	3.54	
For >150, Deduct	-2.07	
For Work In Restricted Working Space, Add	2.84	
22 11 16 00-0379 LF 2-1/2" Hard Drawn Type L Copper Tube/Pipe .....	52.27	7.43
For Medical/Oxygen Service Tubing, Add	2.40	
For Up To 20, Add	5.98	
For >150, Deduct	-3.00	
For Work In Restricted Working Space, Add	6.70	
22 11 16 00-0380 LF 3" Hard Drawn Type L Copper Tube/Pipe.....	66.21	8.76
For Medical/Oxygen Service Tubing, Add	3.20	
For Up To 20, Add	7.62	
For >150, Deduct	-4.00	
For Work In Restricted Working Space, Add	7.88	
22 11 16 00-0381 LF 4" Hard Drawn Type L Copper Tube/Pipe.....	100.84	9.88
For Medical/Oxygen Service Tubing, Add	5.70	
For Up To 20, Add	11.86	
For >150, Deduct	-7.12	
For Work In Restricted Working Space, Add	8.89	
22 11 16 00-0382 LF 5" Hard Drawn Type L Copper Tube/Pipe.....	159.80	11.35
For Medical/Oxygen Service Tubing, Add	10.06	
For Up To 20, Add	19.12	
For >150, Deduct	-12.58	
For Work In Restricted Working Space, Add	10.21	
22 11 16 00-0383 LF 6" Hard Drawn Type L Copper Tube/Pipe.....	218.19	17.58
For Medical/Oxygen Service Tubing, Add	13.24	
For Up To 20, Add	25.96	
For >150, Deduct	-16.55	
For Work In Restricted Working Space, Add	15.82	
22 11 16 00-0384 LF 8" Hard Drawn Type L Copper Tube/Pipe.....	370.47	19.55
For Medical/Oxygen Service Tubing, Add	24.95	
For Up To 20, Add	44.84	
For >150, Deduct	-31.19	
For Work In Restricted Working Space, Add	17.59	
<b>22 11 16 00-0385 Hard Drawn Type K Copper Tube/Pipe (22 11 16 00-0389)</b> .....	<b>5.87</b>	<b>2.57</b>
22 11 16 00-0386 LF 1/4" Hard Drawn Type K Copper Tube/Pipe .....	5.87	2.57
For Medical/Oxygen Service Tubing, Add	0.16	
For Up To 20, Add	0.64	
For >150, Deduct	-0.20	
For Work In Restricted Working Space, Add	1.15	
22 11 16 00-0387 LF 3/8" Hard Drawn Type K Copper Tube/Pipe .....	8.03	2.67
For Medical/Oxygen Service Tubing, Add	0.29	
For Up To 20, Add	0.89	
For >150, Deduct	-0.36	
For Work In Restricted Working Space, Add	1.32	
22 11 16 00-0388 LF 1/2" Hard Drawn Type K Copper Tube/Pipe .....	8.55	2.78
For Medical/Oxygen Service Tubing, Add	0.34	
For Up To 20, Add	0.96	
For >150, Deduct	-0.43	
For Work In Restricted Working Space, Add	1.28	
22 11 16 00-0389 LF 3/4" Hard Drawn Type K Copper Tube/Pipe .....	12.67	2.95
For Medical/Oxygen Service Tubing, Add	0.62	
For Up To 20, Add	1.46	
For >150, Deduct	-0.77	
For Work In Restricted Working Space, Add	1.49	
22 11 16 00-0390 LF 1" Hard Drawn Type K Copper Tube/Pipe .....	15.52	3.31
For Medical/Oxygen Service Tubing, Add	0.82	
For Up To 20, Add	1.81	
For >150, Deduct	-1.02	
For Work In Restricted Working Space, Add	1.58	
22 11 16 00-0391 LF 1-1/4" Hard Drawn Type K Copper Tube/Pipe.....	20.24	4.93
For Medical/Oxygen Service Tubing, Add	1.02	
For Up To 20, Add	2.34	
For >150, Deduct	-1.28	
For Work In Restricted Working Space, Add	2.25	
22 11 16 00-0392 LF 1-1/2" Hard Drawn Type K Copper Tube/Pipe.....	24.74	5.50
For Medical/Oxygen Service Tubing, Add	1.31	
For Up To 20, Add	2.88	
For >150, Deduct	-1.63	
For Work In Restricted Working Space, Add	2.52	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0393 LF 2" Hard Drawn Type K Copper Tube/Pipe.....	35.41	6.80
<i>For Medical/Oxygen Service Tubing, Add</i>	2.01	
<i>For Up To 20, Add</i>	4.17	
<i>For &gt;150, Deduct</i>	-2.51	
<i>For Work In Restricted Working Space, Add</i>	3.09	
22 11 16 00-0394 LF 2-1/2" Hard Drawn Type K Copper Tube/Pipe.....	59.83	7.98
<i>For Medical/Oxygen Service Tubing, Add</i>	2.99	
<i>For Up To 20, Add</i>	6.92	
<i>For &gt;150, Deduct</i>	-3.74	
<i>For Work In Restricted Working Space, Add</i>	6.73	
22 11 16 00-0395 LF 3" Hard Drawn Type K Copper Tube/Pipe.....	80.02	9.42
<i>For Medical/Oxygen Service Tubing, Add</i>	4.09	
<i>For Up To 20, Add</i>	9.28	
<i>For &gt;150, Deduct</i>	-5.11	
<i>For Work In Restricted Working Space, Add</i>	8.67	
22 11 16 00-0396 LF 4" Hard Drawn Type K Copper Tube/Pipe.....	123.87	10.62
<i>For Medical/Oxygen Service Tubing, Add</i>	7.29	
<i>For Up To 20, Add</i>	14.67	
<i>For &gt;150, Deduct</i>	-9.11	
<i>For Work In Restricted Working Space, Add</i>	9.82	
22 11 16 00-0397 LF 5" Hard Drawn Type K Copper Tube/Pipe.....	205.66	12.20
<i>For Medical/Oxygen Service Tubing, Add</i>	13.36	
<i>For Up To 20, Add</i>	24.74	
<i>For &gt;150, Deduct</i>	-16.70	
<i>For Work In Restricted Working Space, Add</i>	11.59	
22 11 16 00-0398 LF 6" Hard Drawn Type K Copper Tube/Pipe.....	301.93	18.90
<i>For Medical/Oxygen Service Tubing, Add</i>	19.17	
<i>For Up To 20, Add</i>	36.18	
<i>For &gt;150, Deduct</i>	-23.96	
<i>For Work In Restricted Working Space, Add</i>	18.69	
22 11 16 00-0399 LF 8" Hard Drawn Type K Copper Tube/Pipe.....	517.38	21.01
<i>For Medical/Oxygen Service Tubing, Add</i>	35.90	
<i>For Up To 20, Add</i>	62.96	
<i>For &gt;150, Deduct</i>	-44.87	
<i>For Work In Restricted Working Space, Add</i>	20.59	
<b>22 11 16 00-0400 Hard Drawn Type M Copper Tube/Pipe</b> <small>(22 11 16 00-0369)</small>		
22 11 16 00-0401 LF 3/8" Hard Drawn Type M Copper Tube/Pipe .....	5.27	2.24
<i>For Up To 20, Add</i>	0.58	
<i>For &gt;150, Deduct</i>	-0.21	
<i>For Work In Restricted Working Space, Add</i>	0.97	
22 11 16 00-0402 LF 1/2" Hard Drawn Type M Copper Tube/Pipe .....	5.64	2.34
<i>For Up To 20, Add</i>	0.62	
<i>For &gt;150, Deduct</i>	-0.23	
<i>For Work In Restricted Working Space, Add</i>	1.00	
22 11 16 00-0403 LF 3/4" Hard Drawn Type M Copper Tube/Pipe .....	7.29	2.47
<i>For Up To 20, Add</i>	0.82	
<i>For &gt;150, Deduct</i>	-0.37	
<i>For Work In Restricted Working Space, Add</i>	1.07	
22 11 16 00-0404 LF 1" Hard Drawn Type M Copper Tube/Pipe .....	9.73	2.78
<i>For Up To 20, Add</i>	1.12	
<i>For &gt;150, Deduct</i>	-0.58	
<i>For Work In Restricted Working Space, Add</i>	1.19	
22 11 16 00-0405 LF 1-1/4" Hard Drawn Type M Copper Tube/Pipe .....	14.51	4.13
<i>For Up To 20, Add</i>	1.66	
<i>For &gt;150, Deduct</i>	-0.84	
<i>For Work In Restricted Working Space, Add</i>	1.83	
22 11 16 00-0406 LF 1-1/2" Hard Drawn Type M Copper Tube/Pipe .....	18.59	4.61
<i>For Up To 20, Add</i>	2.15	
<i>For &gt;150, Deduct</i>	-1.16	
<i>For Work In Restricted Working Space, Add</i>	2.10	
22 11 16 00-0407 LF 2" Hard Drawn Type M Copper Tube/Pipe .....	26.92	5.68
<i>For Up To 20, Add</i>	3.15	
<i>For &gt;150, Deduct</i>	-1.82	
<i>For Work In Restricted Working Space, Add</i>	2.60	
22 11 16 00-0408 LF 2-1/2" Hard Drawn Type M Copper Tube/Pipe .....	47.56	6.68
<i>For Up To 20, Add</i>	5.42	
<i>For &gt;150, Deduct</i>	-2.65	
<i>For Work In Restricted Working Space, Add</i>	6.33	
22 11 16 00-0409 LF 3" Hard Drawn Type M Copper Tube/Pipe .....	58.89	7.88
<i>For Up To 20, Add</i>	6.77	
<i>For &gt;150, Deduct</i>	-3.52	
<i>For Work In Restricted Working Space, Add</i>	7.11	
22 11 16 00-0410 LF 4" Hard Drawn Type M Copper Tube/Pipe .....	93.56	8.89
<i>For Up To 20, Add</i>	11.00	
<i>For &gt;150, Deduct</i>	-6.59	
<i>For Work In Restricted Working Space, Add</i>	8.29	
22 11 16 00-0411 LF 5" Hard Drawn Type M Copper Tube/Pipe .....	159.88	10.21
<i>For Up To 20, Add</i>	19.19	
<i>For &gt;150, Deduct</i>	-12.80	
<i>For Work In Restricted Working Space, Add</i>	9.57	
22 11 16 00-0412 LF 6" Hard Drawn Type M Copper Tube/Pipe .....	220.39	15.83
<i>For Up To 20, Add</i>	26.31	
<i>For &gt;150, Deduct</i>	-17.10	
<i>For Work In Restricted Working Space, Add</i>	14.83	

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0413	LF		8" Hard Drawn Type M Copper Tube/Pipe.....	378.35	17.59
			<i>For Up To 20, Add</i>	45.93	
			<i>For &gt;150, Deduct</i>	-32.40	
			<i>For Work In Restricted Working Space, Add</i>	16.31	
<b>22 11 16 00-0414</b>			<b>Soft Drawn Type L Copper Tube (22 11 16 00-0369)</b>		
22 11 16 00-0415	LF		1/4" Soft Drawn Type L Copper Tube.....	5.89	2.39
			<i>For Up To 20, Add</i>	0.65	
			<i>For &gt;150, Deduct</i>	-0.23	
			<i>For Work In Restricted Working Space, Add</i>	1.07	
22 11 16 00-0416	LF		3/8" Soft Drawn Type L Copper Tube.....	7.34	2.48
			<i>For Up To 20, Add</i>	0.82	
			<i>For &gt;150, Deduct</i>	-0.36	
			<i>For Work In Restricted Working Space, Add</i>	1.12	
22 11 16 00-0417	LF		1/2" Soft Drawn Type L Copper Tube.....	8.73	2.59
			<i>For Up To 20, Add</i>	0.99	
			<i>For &gt;150, Deduct</i>	-0.49	
			<i>For Work In Restricted Working Space, Add</i>	1.16	
22 11 16 00-0418	LF		5/8" Soft Drawn Type L Copper Tube.....	10.22	2.67
			<i>For Up To 20, Add</i>	1.18	
			<i>For &gt;150, Deduct</i>	-0.62	
			<i>For Work In Restricted Working Space, Add</i>	1.20	
22 11 16 00-0419	LF		3/4" Soft Drawn Type L Copper Tube.....	11.54	2.75
			<i>For Up To 20, Add</i>	1.34	
			<i>For &gt;150, Deduct</i>	-0.74	
			<i>For Work In Restricted Working Space, Add</i>	1.24	
22 11 16 00-0420	LF		1" Soft Drawn Type L Copper Tube.....	14.90	3.08
			<i>For Up To 20, Add</i>	1.75	
			<i>For &gt;150, Deduct</i>	-1.03	
			<i>For Work In Restricted Working Space, Add</i>	1.39	
22 11 16 00-0421	LF		1-1/4" Soft Drawn Type L Copper Tube.....	20.41	4.59
			<i>For Up To 20, Add</i>	2.38	
			<i>For &gt;150, Deduct</i>	-1.35	
			<i>For Work In Restricted Working Space, Add</i>	2.06	
22 11 16 00-0422	LF		1-1/2" Soft Drawn Type L Copper Tube.....	26.02	5.12
			<i>For Up To 20, Add</i>	3.06	
			<i>For &gt;150, Deduct</i>	-1.83	
			<i>For Work In Restricted Working Space, Add</i>	2.30	
22 11 16 00-0423	LF		2" Soft Drawn Type L Copper Tube.....	38.63	6.32
			<i>For Up To 20, Add</i>	4.59	
			<i>For &gt;150, Deduct</i>	-2.92	
			<i>For Work In Restricted Working Space, Add</i>	2.84	
<b>22 11 16 00-0424</b>			<b>Soft Drawn Type K Copper Tube (22 11 16 00-0369)</b>		
22 11 16 00-0425	LF		1/4" Soft Drawn Type K Copper Tube.....	6.13	2.39
			<i>For Up To 20, Add</i>	0.68	
			<i>For &gt;150, Deduct</i>	-0.26	
			<i>For Work In Restricted Working Space, Add</i>	1.07	
22 11 16 00-0426	LF		3/8" Soft Drawn Type K Copper Tube.....	8.10	2.48
			<i>For Up To 20, Add</i>	0.92	
			<i>For &gt;150, Deduct</i>	-0.44	
			<i>For Work In Restricted Working Space, Add</i>	1.12	
22 11 16 00-0427	LF		1/2" Soft Drawn Type K Copper Tube.....	9.35	2.59
			<i>For Up To 20, Add</i>	1.07	
			<i>For &gt;150, Deduct</i>	-0.55	
			<i>For Work In Restricted Working Space, Add</i>	1.16	
22 11 16 00-0428	LF		5/8" Soft Drawn Type K Copper Tube.....	10.52	2.67
			<i>For Up To 20, Add</i>	1.22	
			<i>For &gt;150, Deduct</i>	-0.65	
			<i>For Work In Restricted Working Space, Add</i>	1.20	
22 11 16 00-0429	LF		3/4" Soft Drawn Type K Copper Tube.....	14.24	2.75
			<i>For Up To 20, Add</i>	1.68	
			<i>For &gt;150, Deduct</i>	-1.01	
			<i>For Work In Restricted Working Space, Add</i>	1.24	
22 11 16 00-0430	LF		1" Soft Drawn Type K Copper Tube.....	18.06	3.08
			<i>For Up To 20, Add</i>	2.14	
			<i>For &gt;150, Deduct</i>	-1.34	
			<i>For Work In Restricted Working Space, Add</i>	1.39	
22 11 16 00-0431	LF		1-1/4" Soft Drawn Type K Copper Tube.....	22.72	4.59
			<i>For Up To 20, Add</i>	2.67	
			<i>For &gt;150, Deduct</i>	-1.58	
			<i>For Work In Restricted Working Space, Add</i>	2.06	
22 11 16 00-0432	LF		1-1/2" Soft Drawn Type K Copper Tube.....	29.69	5.12
			<i>For Up To 20, Add</i>	3.52	
			<i>For &gt;150, Deduct</i>	-2.20	
			<i>For Work In Restricted Working Space, Add</i>	2.30	
22 11 16 00-0433	LF		2" Soft Drawn Type K Copper Tube.....	43.68	6.32
			<i>For Up To 20, Add</i>	5.22	
			<i>For &gt;150, Deduct</i>	-3.42	
			<i>For Work In Restricted Working Space, Add</i>	2.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0434 LF 2-1/2" Soft Drawn Type K Copper Tube .....	62.67	7.58
For Up To 20, Add	7.55	
For >150, Deduct	-5.13	
For Work In Restricted Working Space, Add	3.41	
22 11 16 00-0435 LF 3" Soft Drawn Type K Copper Tube.....	84.80	8.95
For Up To 20, Add	10.26	
For >150, Deduct	-7.14	
For Work In Restricted Working Space, Add	4.02	
<b>22 11 16 00-0436 Copper And Brass Fittings</b> <small>(22 11 16 00-0368)</small>		
Note: All fittings are based on 95/5 solder.		
<b>22 11 16 00-0437 90 Degree Copper Elbows</b> <small>(22 11 16 00-0436)</small>		
22 11 16 00-0438 EA 1/4" 90 Degree Copper Elbow .....	25.34	14.15
For Silver Solder Instead Of 95/5 Solder, Add	3.39	
For Street Fitting, Add	1.65	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.18	
For Work In Restricted Working Space, Add	6.36	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.33	
22 11 16 00-0439 EA 3/8" 90 Degree Copper Elbow .....	29.82	16.97
For Silver Solder Instead Of 95/5 Solder, Add	4.04	
For Street Fitting, Add	1.75	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.82	
For Work In Restricted Working Space, Add	7.64	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.76	
22 11 16 00-0440 EA 1/2" 90 Degree Copper Elbow .....	36.41	23.32
For Silver Solder Instead Of 95/5 Solder, Add	5.32	
For Street Fitting, Add	0.57	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.25	
For Work In Restricted Working Space, Add	10.50	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.57	
22 11 16 00-0441 EA 3/4" 90 Degree Copper Elbow .....	46.65	29.05
For Silver Solder Instead Of 95/5 Solder, Add	6.68	
For Street Fitting, Add	1.28	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.52	
For Work In Restricted Working Space, Add	13.04	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.51	
22 11 16 00-0442 EA 1" 90 Degree Copper Elbow .....	59.74	34.67
For Silver Solder Instead Of 95/5 Solder, Add	8.18	
For Street Fitting, Add	3.12	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.79	
For Work In Restricted Working Space, Add	15.59	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.58	
22 11 16 00-0443 EA 1-1/4" 90 Degree Copper Elbow .....	67.83	37.53
For Silver Solder Instead Of 95/5 Solder, Add	9.01	
For Street Fitting, Add	4.66	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.43	
For Work In Restricted Working Space, Add	16.86	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.20	
22 11 16 00-0444 EA 1-1/2" 90 Degree Copper Elbow .....	79.70	41.03
For Silver Solder Instead Of 95/5 Solder, Add	10.13	
For Street Fitting, Add	7.28	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.22	
For Work In Restricted Working Space, Add	18.45	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.06	
22 11 16 00-0445 EA 2" 90 Degree Copper Elbow .....	102.11	46.01
For Silver Solder Instead Of 95/5 Solder, Add	12.00	
For Street Fitting, Add	13.28	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.34	
For Work In Restricted Working Space, Add	20.67	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.55	
22 11 16 00-0446 EA 2-1/2" 90 Degree Copper Elbow .....	135.40	46.86
For Silver Solder Instead Of 95/5 Solder, Add	13.80	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.55	
For Work In Restricted Working Space, Add	21.09	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.29	
22 11 16 00-0447 EA 3" 90 Degree Copper Elbow .....	175.77	56.05
For Silver Solder Instead Of 95/5 Solder, Add	17.19	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.60	
For Work In Restricted Working Space, Add	25.19	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.99	
22 11 16 00-0448 EA 4" 90 Degree Copper Elbow .....	341.86	79.48
For Silver Solder Instead Of 95/5 Solder, Add	29.01	
For Brazed Fittings Instead Of 95/5 Solder, Add	17.87	
For Work In Restricted Working Space, Add	35.74	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-23.05	
22 11 16 00-0449 EA 5" 90 Degree Copper Elbow .....	1,096.20	108.77
For Silver Solder Instead Of 95/5 Solder, Add	71.12	
For Brazed Fittings Instead Of 95/5 Solder, Add	24.46	
For Work In Restricted Working Space, Add	48.92	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-62.96	
22 11 16 00-0450 EA 6" 90 Degree Copper Elbow .....	1,481.22	158.28
For Silver Solder Instead Of 95/5 Solder, Add	97.79	
For Brazed Fittings Instead Of 95/5 Solder, Add	35.59	
For Work In Restricted Working Space, Add	71.18	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-85.92	

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0451	EA		8" 90 Degree Copper Elbow .....	4,918.32	211.01
			For Silver Solder Instead Of 95/5 Solder, Add	277.55	
			For Brazed Fittings Instead Of 95/5 Solder, Add	47.45	
			For Work In Restricted Working Space, Add	94.91	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-261.73	
<b>22 11 16 00-0452</b>			<b>90 Degree Brass Elbows</b> (22 11 16 00-0436)		
22 11 16 00-0453	EA		1/2" Drop Ear 90 Degree Brass Elbow .....	43.88	23.32
			For Silver Solder Instead Of 95/5 Solder, Add	5.69	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.25	
			For Work In Restricted Working Space, Add	10.50	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.94	
22 11 16 00-0454	EA		3/4" Drop Ear 90 Degree Brass Elbow .....	69.38	29.05
			For Silver Solder Instead Of 95/5 Solder, Add	7.82	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.52	
			For Work In Restricted Working Space, Add	13.04	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.64	
22 11 16 00-0455	EA		1/2" Flanged Sink 90 Degree Brass Elbow .....	51.20	23.32
			For Silver Solder Instead Of 95/5 Solder, Add	6.06	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.25	
			For Work In Restricted Working Space, Add	10.50	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.31	
22 11 16 00-0456	EA		3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	38.74	16.97
			For Silver Solder Instead Of 95/5 Solder, Add	4.48	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.82	
			For Work In Restricted Working Space, Add	7.64	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.21	
22 11 16 00-0457	EA		1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	44.51	23.32
			For Silver Solder Instead Of 95/5 Solder, Add	5.72	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.25	
			For Work In Restricted Working Space, Add	10.50	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.98	
22 11 16 00-0458	EA		3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	60.22	29.05
			For Silver Solder Instead Of 95/5 Solder, Add	7.36	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.52	
			For Work In Restricted Working Space, Add	13.04	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.18	
22 11 16 00-0459	EA		1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	105.44	34.67
			For Silver Solder Instead Of 95/5 Solder, Add	10.47	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.79	
			For Work In Restricted Working Space, Add	15.59	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.87	
<b>22 11 16 00-0460</b>			<b>Reducing 90 Degree Copper Elbows</b> (22 11 16 00-0436)		
22 11 16 00-0461	EA		1/2" Reducing 90 Degree Copper Elbow .....	46.48	23.32
			For Silver Solder Instead Of 95/5 Solder, Add	5.82	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.25	
			For Work In Restricted Working Space, Add	10.50	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.07	
22 11 16 00-0462	EA		3/4" Reducing 90 Degree Copper Elbow .....	51.60	29.05
			For Silver Solder Instead Of 95/5 Solder, Add	6.93	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.52	
			For Work In Restricted Working Space, Add	13.04	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.75	
22 11 16 00-0463	EA		1" Reducing 90 Degree Copper Elbow .....	66.90	34.67
			For Silver Solder Instead Of 95/5 Solder, Add	8.54	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.79	
			For Work In Restricted Working Space, Add	15.59	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.94	
22 11 16 00-0464	EA		1-1/4" Reducing 90 Degree Copper Elbow .....	94.26	37.53
			For Silver Solder Instead Of 95/5 Solder, Add	10.33	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.43	
			For Work In Restricted Working Space, Add	16.86	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.52	
22 11 16 00-0465	EA		1-1/2" Reducing 90 Degree Copper Elbow .....	111.52	41.03
			For Silver Solder Instead Of 95/5 Solder, Add	11.73	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.22	
			For Work In Restricted Working Space, Add	18.45	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.65	
22 11 16 00-0466	EA		2" Reducing 90 Degree Copper Elbow .....	136.25	46.01
			For Silver Solder Instead Of 95/5 Solder, Add	13.70	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.34	
			For Work In Restricted Working Space, Add	20.67	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.26	
<b>22 11 16 00-0467</b>			<b>45 Degree Copper Elbows</b> (22 11 16 00-0436)		
22 11 16 00-0468	EA		1/4" 45 Degree Copper Elbow .....	28.92	14.15
			For Silver Solder Instead Of 95/5 Solder, Add	3.57	
			For Street Fitting, Add	3.08	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.18	
			For Work In Restricted Working Space, Add	6.36	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.51	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0469	EA		3/8" 45 Degree Copper Elbow .....	32.06	16.97
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.15	
			<i>For Street Fitting, Add</i>	2.64	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.82	
			<i>For Work In Restricted Working Space, Add</i>	7.64	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.88	
22 11 16 00-0470	EA		1/2" 45 Degree Copper Elbow .....	37.59	23.32
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.38	
			<i>For Street Fitting, Add</i>	1.04	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.25	
			<i>For Work In Restricted Working Space, Add</i>	10.50	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.63	
22 11 16 00-0471	EA		3/4" 45 Degree Copper Elbow .....	47.90	29.05
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.74	
			<i>For Street Fitting, Add</i>	1.78	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.52	
			<i>For Work In Restricted Working Space, Add</i>	13.04	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.57	
22 11 16 00-0472	EA		1" 45 Degree Copper Elbow .....	63.04	34.67
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.35	
			<i>For Street Fitting, Add</i>	4.44	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.79	
			<i>For Work In Restricted Working Space, Add</i>	15.59	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.75	
22 11 16 00-0473	EA		1-1/4" 45 Degree Copper Elbow .....	71.22	37.53
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.18	
			<i>For Street Fitting, Add</i>	6.01	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.43	
			<i>For Work In Restricted Working Space, Add</i>	16.86	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.37	
22 11 16 00-0474	EA		1-1/2" 45 Degree Copper Elbow .....	79.94	41.03
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.15	
			<i>For Street Fitting, Add</i>	7.38	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.22	
			<i>For Work In Restricted Working Space, Add</i>	18.45	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.07	
22 11 16 00-0475	EA		2" 45 Degree Copper Elbow .....	99.67	46.01
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.87	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.34	
			<i>For Work In Restricted Working Space, Add</i>	20.67	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.43	
22 11 16 00-0476	EA		2-1/2" 45 Degree Copper Elbow .....	134.61	46.86
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.76	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.55	
			<i>For Work In Restricted Working Space, Add</i>	21.09	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.25	
22 11 16 00-0477	EA		3" 45 Degree Copper Elbow .....	179.39	56.05
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	17.37	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.60	
			<i>For Work In Restricted Working Space, Add</i>	25.19	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-13.17	
22 11 16 00-0478	EA		4" 45 Degree Copper Elbow .....	322.59	79.48
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	28.04	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	17.87	
			<i>For Work In Restricted Working Space, Add</i>	35.74	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-22.09	
22 11 16 00-0479	EA		5" 45 Degree Copper Elbow .....	951.06	108.77
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	63.86	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	24.46	
			<i>For Work In Restricted Working Space, Add</i>	48.92	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-55.71	
22 11 16 00-0480	EA		6" 45 Degree Copper Elbow .....	1,479.09	158.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	97.68	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	35.59	
			<i>For Work In Restricted Working Space, Add</i>	71.18	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-85.82	
22 11 16 00-0481	EA		8" 45 Degree Copper Elbow .....	4,536.00	211.01
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	258.44	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	47.45	
			<i>For Work In Restricted Working Space, Add</i>	94.91	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-242.62	
<b>22 11 16 00-0482</b>			<b>Straight Copper And Brass Tees</b> <small>(22 11 16 00-0436)</small>		
22 11 16 00-0483	EA		1/4" Straight Copper Tee .....	40.46	21.21
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.20	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.77	
			<i>For Work In Restricted Working Space, Add</i>	9.54	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.61	
22 11 16 00-0484	EA		3/8" Straight Copper Tee .....	45.13	25.45
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.07	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	11.45	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.17	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0485	EA		1/2" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	55.46 8.08 7.95 15.91 -5.42	35.41
22 11 16 00-0486	EA		3/4" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	71.55 10.15 9.86 19.72 -6.86	43.90
22 11 16 00-0487	EA		1" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	95.96 12.64 11.77 23.54 -8.72	52.37
22 11 16 00-0488	EA		1-1/4" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	109.20 13.94 12.72 25.44 -9.70	56.61
22 11 16 00-0489	EA		1-1/2" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	129.13 15.68 13.84 27.67 -11.07	61.49
22 11 16 00-0490	EA		2" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	162.56 18.52 15.59 31.17 -13.32	69.34
22 11 16 00-0491	EA		2-1/2" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	221.48 21.62 15.82 31.64 -16.35	70.30
22 11 16 00-0492	EA		3" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	304.20 27.90 19.04 38.08 -21.56	84.66
22 11 16 00-0493	EA		4" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	606.75 48.11 26.66 53.31 -39.22	118.54
22 11 16 00-0494	EA		5" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	1,645.66 106.60 36.47 72.94 -94.44	162.18
22 11 16 00-0495	EA		6" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	2,273.64 149.32 53.46 106.92 -131.50	237.75
22 11 16 00-0496	EA		8" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	7,870.24 440.97 71.18 142.36 -417.24	316.55
22 11 16 00-0497	EA		1/2" Cast Bronze Drop Ear Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	68.01 8.70 7.95 15.91 -6.05	35.41
22 11 16 00-0498	<b>Reducing Copper Tees</b> (22 11 16 00-0436)				
22 11 16 00-0499	EA		3/8" Reducing Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	47.69 5.78 5.09 10.18 -4.08	22.58
22 11 16 00-0500	EA		1/2" Reducing Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	59.82 7.76 7.16 14.31 -5.38	31.81
22 11 16 00-0501	EA		3/4" Reducing Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	67.67 9.53 9.22 18.45 -6.46	41.03



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0502	EA		1" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	93.84 12.11 11.13 22.26 -8.40	49.51
22 11 16 00-0503	EA		1-1/4" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	110.36 13.58 12.09 24.17 -9.55	53.75
22 11 16 00-0504	EA		1-1/2" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	130.09 15.30 13.20 26.40 -10.90	58.74
22 11 16 00-0505	EA		2" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	159.45 17.83 14.79 29.58 -12.90	65.73
22 11 16 00-0506	EA		2-1/2" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	228.65 21.59 15.23 30.46 -16.51	67.76
22 11 16 00-0507	EA		3" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	325.91 28.01 17.58 35.15 -22.15	78.11
22 11 16 00-0508	EA		4" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	583.94 43.65 21.68 43.35 -36.42	96.37
<b>22 11 16 00-0509</b>			<b>Copper Couplings</b> (22 11 16 00-0436)		
22 11 16 00-0510	EA		1/4" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	22.04 3.22 3.18 6.36 -2.16	14.15
22 11 16 00-0511	EA		3/8" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	26.55 3.87 3.82 7.64 -2.60	16.97
22 11 16 00-0512	EA		1/2" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	35.89 5.29 5.25 10.50 -3.54	23.32
22 11 16 00-0513	EA		3/4" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	45.31 6.61 6.52 13.04 -4.44	29.05
22 11 16 00-0514	EA		1" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	55.61 7.98 7.79 15.59 -5.38	34.67
22 11 16 00-0515	EA		1-1/4" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	62.64 8.75 8.43 16.86 -5.94	37.53
22 11 16 00-0516	EA		1-1/2" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	70.03 9.65 9.22 18.45 -6.58	41.03
22 11 16 00-0517	EA		2" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	83.11 11.05 10.34 20.67 -7.60	45.59
22 11 16 00-0518	EA		2-1/2" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	95.58 11.42 9.96 19.92 -8.10	44.32

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0519	EA		3" Copper Coupling.....	119.80	53.70
			For Silver Solder Instead Of 95/5 Solder, Add	14.00	
			For Brazed Fittings Instead Of 95/5 Solder, Add	12.01	
			For Work In Restricted Working Space, Add	24.02	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.99	
22 11 16 00-0520	EA		4" Copper Coupling.....	194.93	72.26
			For Silver Solder Instead Of 95/5 Solder, Add	20.49	
			For Brazed Fittings Instead Of 95/5 Solder, Add	16.11	
			For Work In Restricted Working Space, Add	32.22	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.12	
22 11 16 00-0521	EA		5" Copper Coupling.....	328.85	131.81
			For Silver Solder Instead Of 95/5 Solder, Add	31.09	
			For Brazed Fittings Instead Of 95/5 Solder, Add	21.97	
			For Work In Restricted Working Space, Add	43.94	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-23.77	
22 11 16 00-0522	EA		6" Copper Coupling.....	516.22	143.23
			For Silver Solder Instead Of 95/5 Solder, Add	47.29	
			For Brazed Fittings Instead Of 95/5 Solder, Add	32.22	
			For Work In Restricted Working Space, Add	64.44	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-36.55	
22 11 16 00-0523	EA		8" Copper Coupling.....	1,262.14	189.91
			For Silver Solder Instead Of 95/5 Solder, Add	91.62	
			For Brazed Fittings Instead Of 95/5 Solder, Add	42.77	
			For Work In Restricted Working Space, Add	85.53	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-77.36	
<b>22 11 16 00-0524</b>			<b>Reducing Copper Couplings (22 11 16 00-0436)</b>		
22 11 16 00-0525	EA		3/8" Reducing Copper Coupling.....	23.02	14.11
			For Silver Solder Instead Of 95/5 Solder, Add	3.27	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.18	
			For Work In Restricted Working Space, Add	6.36	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.21	
22 11 16 00-0526	EA		1/2" Reducing Copper Coupling.....	32.11	20.14
			For Silver Solder Instead Of 95/5 Solder, Add	4.63	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.53	
			For Work In Restricted Working Space, Add	9.07	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.12	
22 11 16 00-0527	EA		3/4" Reducing Copper Coupling.....	42.49	26.19
			For Silver Solder Instead Of 95/5 Solder, Add	6.05	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.88	
			For Work In Restricted Working Space, Add	11.77	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.09	
22 11 16 00-0528	EA		1" Reducing Copper Coupling.....	53.61	31.81
			For Silver Solder Instead Of 95/5 Solder, Add	7.45	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.16	
			For Work In Restricted Working Space, Add	14.31	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.07	
22 11 16 00-0529	EA		1-1/4" Reducing Copper Coupling.....	62.29	36.05
			For Silver Solder Instead Of 95/5 Solder, Add	8.52	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.11	
			For Work In Restricted Working Space, Add	16.22	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.82	
22 11 16 00-0530	EA		1-1/2" Reducing Copper Coupling.....	72.45	39.23
			For Silver Solder Instead Of 95/5 Solder, Add	9.51	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.83	
			For Work In Restricted Working Space, Add	17.65	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.56	
22 11 16 00-0531	EA		2" Reducing Copper Coupling.....	86.25	43.46
			For Silver Solder Instead Of 95/5 Solder, Add	10.83	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.78	
			For Work In Restricted Working Space, Add	19.56	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.57	
22 11 16 00-0532	EA		2-1/2" Reducing Copper Coupling.....	110.19	44.63
			For Silver Solder Instead Of 95/5 Solder, Add	12.20	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.03	
			For Work In Restricted Working Space, Add	20.06	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.85	
22 11 16 00-0533	EA		3" Reducing Copper Coupling.....	130.67	51.75
			For Silver Solder Instead Of 95/5 Solder, Add	14.25	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.57	
			For Work In Restricted Working Space, Add	23.14	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.39	
22 11 16 00-0534	EA		4" Reducing Copper Coupling.....	207.82	67.76
			For Silver Solder Instead Of 95/5 Solder, Add	20.55	
			For Brazed Fittings Instead Of 95/5 Solder, Add	15.23	
			For Work In Restricted Working Space, Add	30.46	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.47	
22 11 16 00-0535	EA		5" Reducing Copper Coupling.....	557.17	94.41
			For Silver Solder Instead Of 95/5 Solder, Add	42.02	
			For Brazed Fittings Instead Of 95/5 Solder, Add	21.24	
			For Work In Restricted Working Space, Add	42.47	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-34.94	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0536	EA		6" Reducing Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	833.97 60.74 28.56 57.12 -51.22	126.93
22 11 16 00-0537	EA		8" Reducing Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	1,641.60 109.81 41.60 83.19 -95.95	184.96
<b>22 11 16 00-0538 Male Copper Adapters (22 11 16 00-0436)</b>					
22 11 16 00-0539	EA		1/4" Male Copper Adapter ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	35.80 3.91 3.18 6.36 -2.85	13.78
22 11 16 00-0540	EA		3/8" Male Copper Adapter ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	32.73 4.18 3.82 7.64 -2.91	16.97
22 11 16 00-0541	EA		1/2" Male Copper Adapter ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	34.76 4.92 4.77 9.54 -3.33	21.21
22 11 16 00-0542	EA		3/4" Male Copper Adapter ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	44.23 6.13 5.88 11.77 -4.17	26.51
22 11 16 00-0543	EA		1" Male Copper Adapter ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	58.29 7.47 6.84 13.68 -5.19	30.75
22 11 16 00-0544	EA		1-1/4" Male Copper Adapter ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	71.51 8.88 7.95 15.91 -6.23	34.99
22 11 16 00-0545	EA		1-1/2" Male Copper Adapter ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	82.06 10.15 9.06 18.13 -7.12	40.29
22 11 16 00-0546	EA		2" Male Copper Adapter ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	114.02 13.44 11.61 23.22 -9.57	51.42
22 11 16 00-0547	EA		2-1/2" Male Copper Adapter ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	216.12 20.77 14.95 29.90 -15.79	66.80
22 11 16 00-0548	EA		3" Male Copper Adapter ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	286.98 27.63 19.92 39.84 -20.99	89.09
22 11 16 00-0549	EA		4" Male Copper Adapter ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	434.05 40.45 28.12 56.24 -31.08	124.98
<b>22 11 16 00-0550 Female Copper Adapters (22 11 16 00-0436)</b>					
22 11 16 00-0551	EA		1/4" Female Copper Adapter ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	30.53 3.65 3.18 6.36 -2.59	13.78
22 11 16 00-0552	EA		3/8" Female Copper Adapter ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	35.20 4.31 3.82 7.64 -3.03	16.97
22 11 16 00-0553	EA		1/2" Female Copper Adapter ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	36.53 5.01 4.77 9.54 -3.42	21.21

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0554	EA		3/4" Female Copper Adapter	45.68	26.51
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.21	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.88	
			<i>For Work In Restricted Working Space, Add</i>	11.77	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.25	
22 11 16 00-0555	EA		1" Female Copper Adapter	60.34	30.75
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.58	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.84	
			<i>For Work In Restricted Working Space, Add</i>	13.68	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.30	
22 11 16 00-0556	EA		1-1/4" Female Copper Adapter	74.65	34.99
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.03	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.95	
			<i>For Work In Restricted Working Space, Add</i>	15.91	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.38	
22 11 16 00-0557	EA		1-1/2" Female Copper Adapter	94.30	40.29
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.76	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.06	
			<i>For Work In Restricted Working Space, Add</i>	18.13	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.74	
22 11 16 00-0558	EA		2" Female Copper Adapter	123.34	51.42
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.91	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.61	
			<i>For Work In Restricted Working Space, Add</i>	23.22	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.04	
22 11 16 00-0559	EA		2-1/2" Female Copper Adapter	256.11	61.51
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	21.98	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.77	
			<i>For Work In Restricted Working Space, Add</i>	27.53	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-17.39	
22 11 16 00-0560	EA		3" Female Copper Adapter	409.62	89.09
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	33.76	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	19.92	
			<i>For Work In Restricted Working Space, Add</i>	39.84	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-27.12	
22 11 16 00-0561			<b>Wrot Copper, Solder Union</b> (22 11 16 00-0436)		
22 11 16 00-0562	EA		1/4" Wrot Copper, Solder Union	46.03	16.97
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.85	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.82	
			<i>For Work In Restricted Working Space, Add</i>	7.64	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.57	
22 11 16 00-0563	EA		3/8" Wrot Copper, Solder Union	51.95	20.46
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.67	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.61	
			<i>For Work In Restricted Working Space, Add</i>	9.23	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.14	
22 11 16 00-0564	EA		1/2" Wrot Copper, Solder Union	51.28	25.45
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.38	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	11.45	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.47	
22 11 16 00-0565	EA		3/4" Wrot Copper, Solder Union	59.58	29.05
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.33	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.52	
			<i>For Work In Restricted Working Space, Add</i>	13.04	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.15	
22 11 16 00-0566	EA		1" Wrot Copper, Solder Union	79.65	34.67
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.18	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.79	
			<i>For Work In Restricted Working Space, Add</i>	15.59	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.58	
22 11 16 00-0567	EA		1-1/4" Wrot Copper, Solder Union	97.36	38.17
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.59	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.59	
			<i>For Work In Restricted Working Space, Add</i>	17.18	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.73	
22 11 16 00-0568	EA		1-1/2" Wrot Copper, Solder Union	120.17	42.41
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.37	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.54	
			<i>For Work In Restricted Working Space, Add</i>	19.09	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.19	
22 11 16 00-0569	EA		2" Wrot Copper, Solder Union	172.73	50.89
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.27	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.45	
			<i>For Work In Restricted Working Space, Add</i>	22.90	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.45	
22 11 16 00-0570	EA		2-1/2" Wrot Copper, Solder Union	346.84	56.05
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	25.74	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.60	
			<i>For Work In Restricted Working Space, Add</i>	25.19	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-21.54	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0571	EA		3" Wrot Copper, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	799.36 51.88 17.87 35.74 -45.92	79.48
	<b>22 11 16 00-0572</b>			<b>Cast Bronze, Solder Union</b> (22 11 16 00-0436)		
	22 11 16 00-0573	EA		1/4" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	53.62 5.23 3.82 7.64 -3.95	16.97
	22 11 16 00-0574	EA		3/8" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	59.11 6.03 4.61 9.23 -4.49	20.46
	22 11 16 00-0575	EA		1/2" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	53.27 6.48 5.73 11.45 -4.57	25.45
	22 11 16 00-0576	EA		3/4" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	62.39 7.47 6.52 13.04 -5.29	29.05
	22 11 16 00-0577	EA		1" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	84.54 9.42 7.79 15.59 -6.82	34.67
	22 11 16 00-0578	EA		1-1/4" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	110.73 11.26 8.59 17.18 -8.40	38.17
	22 11 16 00-0579	EA		1-1/2" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	134.12 13.07 9.54 19.09 -9.89	42.41
	22 11 16 00-0580	EA		2" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	196.48 17.46 11.45 22.90 -13.64	50.89
	22 11 16 00-0581	EA		2-1/2" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	346.82 25.74 12.60 25.19 -21.54	56.05
	22 11 16 00-0582	EA		3" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	799.36 51.88 17.87 35.74 -45.92	79.48
	<b>22 11 16 00-0583</b>			<b>Cast Bronze, Solder X Female Threaded Union</b> (22 11 16 00-0436)		
	22 11 16 00-0584	EA		1/4" Cast Bronze, Solder X Female Threaded Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	63.87 5.74 3.82 7.64 -4.47	16.97
	22 11 16 00-0585	EA		3/8" Cast Bronze, Solder X Female Threaded Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	70.50 6.60 4.61 9.23 -5.06	20.46
	22 11 16 00-0586	EA		1/2" Cast Bronze, Solder X Female Threaded Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	69.74 7.30 5.73 11.45 -5.40	25.45
	22 11 16 00-0587	EA		3/4" Cast Bronze, Solder X Female Threaded Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	86.49 8.67 6.52 13.04 -6.50	29.05
	22 11 16 00-0588	EA		1" Cast Bronze, Solder X Female Threaded Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	141.46 12.27 7.79 15.59 -9.67	34.67

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0589 EA 1-1/4" Cast Bronze, Solder X Female Threaded Union.....	224.06	38.17
For Silver Solder Instead Of 95/5 Solder, Add	16.93	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.59	
For Work In Restricted Working Space, Add	17.18	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.07	
22 11 16 00-0590 EA 1-1/2" Cast Bronze, Solder X Female Threaded Union.....	274.95	42.41
For Silver Solder Instead Of 95/5 Solder, Add	20.11	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.54	
For Work In Restricted Working Space, Add	19.09	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.93	
22 11 16 00-0591 EA 2" Cast Bronze, Solder X Female Threaded Union.....	434.06	50.89
For Silver Solder Instead Of 95/5 Solder, Add	29.34	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.45	
For Work In Restricted Working Space, Add	22.90	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-25.52	
22 11 16 00-0592 EA 2-1/2" Cast Bronze, Solder X Female Threaded Union.....	762.09	56.05
For Silver Solder Instead Of 95/5 Solder, Add	46.50	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.60	
For Work In Restricted Working Space, Add	25.19	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-42.30	
<b>22 11 16 00-0593 Cast Bronze, Solder X Male Threaded Union (22 11 16 00-0436)</b>		
22 11 16 00-0594 EA 1/4" Cast Bronze, Solder X Male Threaded Union.....	54.71	16.97
For Silver Solder Instead Of 95/5 Solder, Add	5.28	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.82	
For Work In Restricted Working Space, Add	7.64	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.01	
22 11 16 00-0595 EA 3/8" Cast Bronze, Solder X Male Threaded Union.....	64.90	20.46
For Silver Solder Instead Of 95/5 Solder, Add	6.32	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.61	
For Work In Restricted Working Space, Add	9.23	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.78	
22 11 16 00-0596 EA 1/2" Cast Bronze, Solder X Male Threaded Union.....	63.09	25.45
For Silver Solder Instead Of 95/5 Solder, Add	6.97	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.73	
For Work In Restricted Working Space, Add	11.45	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.06	
22 11 16 00-0597 EA 3/4" Cast Bronze, Solder X Male Threaded Union.....	80.86	29.05
For Silver Solder Instead Of 95/5 Solder, Add	8.39	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.52	
For Work In Restricted Working Space, Add	13.04	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.22	
22 11 16 00-0598 EA 1" Cast Bronze, Solder X Male Threaded Union.....	144.04	34.67
For Silver Solder Instead Of 95/5 Solder, Add	12.40	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.79	
For Work In Restricted Working Space, Add	15.59	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.80	
22 11 16 00-0599 EA 1-1/4" Cast Bronze, Solder X Male Threaded Union.....	171.48	38.17
For Silver Solder Instead Of 95/5 Solder, Add	14.30	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.59	
For Work In Restricted Working Space, Add	17.18	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.44	
22 11 16 00-0600 EA 1-1/2" Cast Bronze, Solder X Male Threaded Union.....	183.60	42.41
For Silver Solder Instead Of 95/5 Solder, Add	15.54	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.54	
For Work In Restricted Working Space, Add	19.09	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.36	
22 11 16 00-0601 EA 2" Cast Bronze, Solder X Male Threaded Union.....	260.64	50.89
For Silver Solder Instead Of 95/5 Solder, Add	20.67	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.45	
For Work In Restricted Working Space, Add	22.90	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.85	
22 11 16 00-0602 EA 2-1/2" Cast Bronze, Solder X Male Threaded Union.....	624.07	56.05
For Silver Solder Instead Of 95/5 Solder, Add	39.60	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.60	
For Work In Restricted Working Space, Add	25.19	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-35.40	
<b>22 11 16 00-0603 Copper Caps (22 11 16 00-0436)</b>		
22 11 16 00-0604 EA 1/4" Copper Cap.....	8.26	4.66
For Silver Solder Instead Of 95/5 Solder, Add	1.11	
For Brazed Fittings Instead Of 95/5 Solder, Add	1.05	
For Work In Restricted Working Space, Add	2.10	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.76	
22 11 16 00-0605 EA 3/8" Copper Cap.....	10.40	5.51
For Silver Solder Instead Of 95/5 Solder, Add	1.36	
For Brazed Fittings Instead Of 95/5 Solder, Add	1.26	
For Work In Restricted Working Space, Add	2.52	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.94	
22 11 16 00-0606 EA 1/2" Copper Cap.....	12.57	7.64
For Silver Solder Instead Of 95/5 Solder, Add	1.78	
For Brazed Fittings Instead Of 95/5 Solder, Add	1.73	
For Work In Restricted Working Space, Add	3.47	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.21	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0607	EA		3/4" Copper Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	16.28 2.25 2.15 4.31 -1.53	9.44
	22 11 16 00-0608	EA		1" Copper Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	21.67 2.80 2.57 5.15 -1.94	11.34
	22 11 16 00-0609	EA		1-1/4" Copper Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	24.60 3.08 2.78 5.56 -2.16	12.19
	22 11 16 00-0610	EA		1-1/2" Copper Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	29.10 3.48 3.04 6.09 -2.47	13.36
	22 11 16 00-0611	EA		2" Copper Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	37.23 3.96 3.14 6.29 -2.91	13.86
	22 11 16 00-0612	EA		2-1/2" Copper Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	73.38 6.13 3.69 7.38 -4.90	16.21
	22 11 16 00-0613	EA		3" Copper Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	101.35 8.22 4.72 9.45 -6.64	20.80
	22 11 16 00-0614	EA		4" Copper Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	179.49 13.74 7.15 14.30 -11.36	31.44
	22 11 16 00-0615	EA		5" Cast Bronze Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	1,000.14 57.35 11.01 22.01 -53.68	48.43
	22 11 16 00-0616	EA		6" Cast Bronze Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	1,953.22 108.34 16.02 32.03 -103.00	70.49
	22 11 16 00-0617	EA		8" Cast Bronze Cap ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	2,485.78 138.53 21.35 42.71 -131.41	93.93
	<b>22 11 16 00-0618</b>			<b>Copper Crosses</b> <small>(22 11 16 00-0496)</small>		
	22 11 16 00-0619	EA		1/2" Copper Cross ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	80.67 10.48 9.67 19.34 -7.26	42.96
	22 11 16 00-0620	EA		3/4" Copper Cross ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	111.61 13.59 12.01 24.02 -9.58	53.41
	22 11 16 00-0621	EA		1" Copper Cross ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	149.25 17.03 14.35 28.70 -12.25	63.76
	22 11 16 00-0622	EA		1-1/4" Copper Cross ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	180.49 19.37 15.53 31.05 -14.20	69.03
	22 11 16 00-0623	EA		1-1/2" Copper Cross ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	223.01 22.48 16.99 33.98 -16.81	75.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0624 EA 2" Copper Cross .....	334.25	84.66
For Silver Solder Instead Of 95/5 Solder, Add	29.41	
For Brazed Fittings Instead Of 95/5 Solder, Add	19.04	
For Work In Restricted Working Space, Add	38.08	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-23.06	
22 11 16 00-0625 EA 2-1/2" Copper Cross .....	618.50	93.74
For Silver Solder Instead Of 95/5 Solder, Add	44.99	
For Brazed Fittings Instead Of 95/5 Solder, Add	21.09	
For Work In Restricted Working Space, Add	42.18	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-37.96	
<b>22 11 16 00-0626 Cast Bronze Crosses</b> (22 11 16 00-0436)		
22 11 16 00-0627 EA 3/8" Cast Bronze Cross.....	68.49	31.25
For Silver Solder Instead Of 95/5 Solder, Add	8.11	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.03	
For Work In Restricted Working Space, Add	14.06	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.77	
22 11 16 00-0628 EA 1/2" Cast Bronze Cross.....	83.92	42.96
For Silver Solder Instead Of 95/5 Solder, Add	10.64	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.67	
For Work In Restricted Working Space, Add	19.34	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.42	
22 11 16 00-0629 EA 3/4" Cast Bronze Cross.....	117.91	53.41
For Silver Solder Instead Of 95/5 Solder, Add	13.90	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.01	
For Work In Restricted Working Space, Add	24.02	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.90	
22 11 16 00-0630 EA 1" Cast Bronze Cross.....	159.95	63.76
For Silver Solder Instead Of 95/5 Solder, Add	17.57	
For Brazed Fittings Instead Of 95/5 Solder, Add	14.35	
For Work In Restricted Working Space, Add	28.70	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.78	
22 11 16 00-0631 EA 1-1/4" Cast Bronze Cross .....	195.89	69.03
For Silver Solder Instead Of 95/5 Solder, Add	20.14	
For Brazed Fittings Instead Of 95/5 Solder, Add	15.53	
For Work In Restricted Working Space, Add	31.05	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.97	
22 11 16 00-0632 EA 1-1/2" Cast Bronze Cross .....	244.96	75.47
For Silver Solder Instead Of 95/5 Solder, Add	23.58	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.99	
For Work In Restricted Working Space, Add	33.98	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.91	
22 11 16 00-0633 EA 2" Cast Bronze Cross.....	375.71	84.66
For Silver Solder Instead Of 95/5 Solder, Add	31.48	
For Brazed Fittings Instead Of 95/5 Solder, Add	19.04	
For Work In Restricted Working Space, Add	38.08	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-25.13	
22 11 16 00-0634 EA 2-1/2" Cast Bronze Cross .....	714.08	93.74
For Silver Solder Instead Of 95/5 Solder, Add	49.76	
For Brazed Fittings Instead Of 95/5 Solder, Add	21.09	
For Work In Restricted Working Space, Add	42.18	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-42.73	
<b>22 11 16 00-0635 Flexible Corrugated Copper Supply Line</b> (22 11 16 00-0436)		
22 11 16 00-0636 EA 3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line .....	92.24	29.05
22 11 16 00-0637 EA 3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line .....	98.11	29.05
22 11 16 00-0638 EA 3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line .....	81.68	29.05
22 11 16 00-0639 EA 3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line .....	88.33	29.05
22 11 16 00-0640 EA 3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line .....	94.20	29.05
22 11 16 00-0641 EA 3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line .....	98.11	29.05
<b>22 11 16 00-0642 Crimped Copper Fittings</b> (22 11 16 00-0368)		
Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
<b>22 11 16 00-0643 Crimped Copper 90 Degree Elbows</b> (22 11 16 00-0642)		
22 11 16 00-0644 EA 1/2" Crimped Copper 90 Degree Elbow .....	23.09	12.73
22 11 16 00-0645 EA 3/4" Crimped Copper 90 Degree Elbow .....	28.53	14.53
22 11 16 00-0646 EA 1" Crimped Copper 90 Degree Elbow .....	39.59	17.28
22 11 16 00-0647 EA 1-1/4" Crimped Copper 90 Degree Elbow .....	56.12	19.08
22 11 16 00-0648 EA 1-1/2" Crimped Copper 90 Degree Elbow .....	83.88	21.21
22 11 16 00-0649 EA 2" Crimped Copper 90 Degree Elbow .....	110.54	25.45
22 11 16 00-0650 EA 2-1/2" Crimped Copper 90 Degree Elbow .....	254.75	29.68
22 11 16 00-0651 EA 3" Crimped Copper 90 Degree Elbow .....	317.50	35.30
22 11 16 00-0652 EA 4" Crimped Copper 90 Degree Elbow .....	397.19	46.65
<b>22 11 16 00-0653 Crimped Copper 45 Degree Elbows</b> (22 11 16 00-0642)		
22 11 16 00-0654 EA 1/2" Crimped Copper 45 Degree Elbow .....	23.75	12.73
22 11 16 00-0655 EA 3/4" Crimped Copper 45 Degree Elbow .....	27.47	14.53
22 11 16 00-0656 EA 1" Crimped Copper 45 Degree Elbow .....	44.40	17.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0657 EA 1-1/4" Crimped Copper 45 Degree Elbow.....	55.06	19.08
22 11 16 00-0658 EA 1-1/2" Crimped Copper 45 Degree Elbow.....	74.68	21.21
22 11 16 00-0659 EA 2" Crimped Copper 45 Degree Elbow.....	98.13	25.45
22 11 16 00-0660 EA 2-1/2" Crimped Copper 45 Degree Elbow.....	183.39	29.68
22 11 16 00-0661 EA 3" Crimped Copper 45 Degree Elbow.....	251.42	35.30
22 11 16 00-0662 EA 4" Crimped Copper 45 Degree Elbow.....	345.50	46.65
<b>22 11 16 00-0663 Crimped Copper Straight Tees (22 11 16 00-0642)</b>		
22 11 16 00-0664 EA 1/2" Crimped Copper Straight Tee.....	34.76	19.08
22 11 16 00-0665 EA 3/4" Crimped Copper Straight Tee.....	48.45	25.13
22 11 16 00-0666 EA 1" Crimped Copper Straight Tee.....	61.38	27.89
22 11 16 00-0667 EA 1-1/4" Crimped Copper Straight Tee.....	75.92	28.62
22 11 16 00-0668 EA 1-1/2" Crimped Copper Straight Tee.....	112.86	32.55
22 11 16 00-0669 EA 2" Crimped Copper Straight Tee.....	136.42	38.17
22 11 16 00-0670 EA 2-1/2" Crimped Copper Straight Tee.....	326.53	44.53
22 11 16 00-0671 EA 3" Crimped Copper Straight Tee.....	404.16	53.02
22 11 16 00-0672 EA 4" Crimped Copper Straight Tee.....	560.50	69.97
<b>22 11 16 00-0673 Crimped Copper Reducing Tees (22 11 16 00-0642)</b>		
22 11 16 00-0674 EA 3/4" Crimped Copper Reducing Tee.....	43.93	18.13
22 11 16 00-0675 EA 1" Crimped Copper Reducing Tee.....	65.38	23.86
22 11 16 00-0676 EA 1-1/4" Crimped Copper Reducing Tee.....	69.93	26.51
22 11 16 00-0677 EA 1-1/2" Crimped Copper Reducing Tee.....	97.70	27.24
22 11 16 00-0678 EA 2" Crimped Copper Reducing Tee.....	118.31	30.85
22 11 16 00-0679 EA 2-1/2" Crimped Copper Reducing Tee.....	358.12	34.99
22 11 16 00-0680 EA 3" Crimped Copper Reducing Tee.....	437.12	42.41
22 11 16 00-0681 EA 4" Crimped Copper Reducing Tee.....	509.75	56.51
<b>22 11 16 00-0682 Crimped Copper Couplings (22 11 16 00-0642)</b>		
22 11 16 00-0683 EA 1/2" Crimped Copper Coupling.....	22.69	12.73
22 11 16 00-0684 EA 3/4" Crimped Copper Coupling.....	27.21	14.53
22 11 16 00-0685 EA 1" Crimped Copper Coupling.....	37.04	17.28
22 11 16 00-0686 EA 1-1/4" Crimped Copper Coupling.....	42.38	19.08
22 11 16 00-0687 EA 1-1/2" Crimped Copper Coupling.....	57.45	21.21
22 11 16 00-0688 EA 2" Crimped Copper Coupling.....	70.89	25.45
22 11 16 00-0689 EA 2-1/2" Crimped Copper Coupling.....	149.23	29.68
22 11 16 00-0690 EA 3" Crimped Copper Coupling.....	186.36	35.30
22 11 16 00-0691 EA 4" Crimped Copper Coupling.....	255.12	46.65
<b>22 11 16 00-0692 Crimped Copper Reducing Couplings (22 11 16 00-0642)</b>		
22 11 16 00-0693 EA 3/4" Crimped Copper Reducing Coupling.....	34.56	12.09
22 11 16 00-0694 EA 1" Crimped Copper Reducing Coupling.....	39.50	13.78
22 11 16 00-0695 EA 1-1/4" Crimped Copper Reducing Coupling.....	52.08	16.43
22 11 16 00-0696 EA 1-1/2" Crimped Copper Reducing Coupling.....	67.56	18.13
22 11 16 00-0697 EA 2" Crimped Copper Reducing Coupling.....	75.61	20.14
22 11 16 00-0698 EA 2-1/2" Crimped Copper FTG x C Reducing Coupling.....	159.73	24.07
22 11 16 00-0699 EA 3" Crimped Copper FTG x C Reducing Coupling.....	200.17	28.31
22 11 16 00-0700 EA 4" Crimped Copper FTG x C Reducing Coupling.....	259.73	37.43
<b>22 11 16 00-0701 Crimped Copper Male Adapters (22 11 16 00-0642)</b>		
22 11 16 00-0702 EA 1/2" Crimped Copper Male Adapter.....	23.49	12.73
22 11 16 00-0703 EA 3/4" Crimped Copper Male Adapter.....	29.73	14.53
22 11 16 00-0704 EA 1" Crimped Copper Male Adapter.....	40.65	17.28
22 11 16 00-0705 EA 1-1/4" Crimped Copper Male Adapter.....	60.80	19.08
22 11 16 00-0706 EA 1-1/2" Crimped Copper Male Adapter.....	76.94	21.21
22 11 16 00-0707 EA 2" Crimped Copper Male Adapter.....	125.09	25.45
22 11 16 00-0708 EA 2-1/2" Crimped Copper Male Adapter.....	254.75	29.68
22 11 16 00-0709 EA 3" Crimped Copper Male Adapter.....	317.50	35.30
22 11 16 00-0710 EA 4" Crimped Copper Male Adapter.....	376.11	46.65
<b>22 11 16 00-0711 Crimped Copper Female Adapters (22 11 16 00-0642)</b>		
22 11 16 00-0712 EA 1/2" Crimped Copper Female Adapter.....	24.42	12.73
22 11 16 00-0713 EA 3/4" Crimped Copper Female Adapter.....	30.41	14.53
22 11 16 00-0714 EA 1" Crimped Copper Female Adapter.....	42.00	17.28
22 11 16 00-0715 EA 1-1/4" Crimped Copper Female Adapter.....	64.81	19.08
22 11 16 00-0716 EA 1-1/2" Crimped Copper Female Adapter.....	84.42	21.21
22 11 16 00-0717 EA 2" Crimped Copper Female Adapter.....	127.49	25.45
<b>22 11 16 00-0718 Crimped Copper Caps (22 11 16 00-0642)</b>		
22 11 16 00-0719 EA 1/2" Crimped Copper Cap.....	17.28	6.36
22 11 16 00-0720 EA 3/4" Crimped Copper Cap.....	24.21	7.43
22 11 16 00-0721 EA 1" Crimped Copper Cap.....	32.89	8.48
22 11 16 00-0722 EA 1-1/4" Crimped Copper Cap.....	37.15	9.54



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0723	EA		1-1/2" Crimped Copper Cap.....	51.81	10.92
22 11 16 00-0724	EA		2" Crimped Copper Cap.....	62.07	12.73
22 11 16 00-0725	EA		2-1/2" Crimped Copper Cap.....	159.72	14.84
22 11 16 00-0726	EA		3" Crimped Copper Cap.....	200.47	17.70
22 11 16 00-0727	EA		4" Crimped Copper Cap.....	266.81	23.32
<b>22 11 16 00-0728</b>			<b>C x F NPT Crimped Bronze Unions</b> (22 11 16 00-0642)		
22 11 16 00-0729	EA		1/2" C x F NPT Crimped Bronze Union.....	48.68	17.28
22 11 16 00-0730	EA		3/4" C x F NPT Crimped Bronze Union.....	61.02	21.31
22 11 16 00-0731	EA		1" C x F NPT Crimped Bronze Union.....	86.62	25.55
22 11 16 00-0732	EA		1-1/4" C x F NPT Crimped Bronze Union.....	105.48	29.47
22 11 16 00-0733	EA		1-1/2" C x F NPT Crimped Bronze Union.....	139.39	28.84
22 11 16 00-0734	EA		2" C x F NPT Crimped Bronze Union.....	189.94	41.77
<b>22 11 16 00-0735</b>			<b>C x C Crimped Bronze Unions</b> (22 11 16 00-0642)		
22 11 16 00-0736	EA		1/2" C x C Bronze Crimped Union.....	47.38	12.73
22 11 16 00-0737	EA		3/4" C x C Bronze Crimped Union.....	58.84	14.53
22 11 16 00-0738	EA		1" C x C Bronze Crimped Union.....	85.25	17.28
22 11 16 00-0739	EA		1-1/4" C x C Bronze Crimped Union.....	113.27	19.08
22 11 16 00-0740	EA		1-1/2" C x C Bronze Crimped Union.....	146.77	21.21
22 11 16 00-0741	EA		2" C x C Bronze Crimped Union.....	225.90	25.45
<b>22 11 16 00-0742</b>			<b>C x Flange Crimped Bronze Flange</b> (22 11 16 00-0642)		
22 11 16 00-0743	EA		2-1/2" C x Flange Crimped Bronze Flange.....	446.50	29.68
22 11 16 00-0744	EA		3" C x Flange Crimped Bronze Flange.....	485.67	35.30
22 11 16 00-0745	EA		4" C x Flange Crimped Bronze Flange.....	554.31	46.65
<b>22 11 16 00-0746</b>			<b>Field Installed FKM Seals</b> (22 11 16 00-0642)		
			Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.		
22 11 16 00-0747	EA		1/2" Field Installed FKM Seal.....	7.05	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0748	EA		3/4" Field Installed FKM Seal.....	9.03	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0749	EA		1" Field Installed FKM Seal.....	10.37	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0750	EA		1-1/4" Field Installed FKM Seal.....	11.96	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0751	EA		1-1/2" Field Installed FKM Seal.....	17.31	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0752	EA		2" Field Installed FKM Seal.....	19.15	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0753	EA		2-1/2" Field Installed FKM Seal.....	29.42	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0754	EA		3" Field Installed FKM Seal.....	33.67	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0755	EA		4" Field Installed FKM Seal.....	46.06	
			Note: To be used in conjunction with fittings.		
<b>22 11 16 00-0756</b>			<b>Cut And Prepare Existing In-Place Copper Pipe</b> (22 11 16 00-0368)		
22 11 16 00-0757	EA		Up To 1/2", Cut And Prepare Existing In Place Copper Pipe.....	10.60	
22 11 16 00-0758	EA		3/4", Cut And Prepare Existing In Place Copper Pipe.....	11.45	
22 11 16 00-0759	EA		1", Cut And Prepare Existing In Place Copper Pipe.....	12.89	
22 11 16 00-0760	EA		1-1/4", Cut And Prepare Existing In Place Copper Pipe.....	13.52	
22 11 16 00-0761	EA		1-1/2", Cut And Prepare Existing In Place Copper Pipe.....	14.31	
22 11 16 00-0762	EA		2", Cut And Prepare Existing In Place Copper Pipe.....	15.75	
22 11 16 00-0763	EA		2-1/2", Cut And Prepare Existing In Place Copper Pipe.....	16.97	
22 11 16 00-0764	EA		3", Cut And Prepare Existing In Place Copper Pipe.....	20.04	
22 11 16 00-0765	EA		4", Cut And Prepare Existing In Place Copper Pipe.....	27.03	
22 11 16 00-0766	EA		6", Cut And Prepare Existing In Place Copper Pipe.....	38.64	
22 11 16 00-0767	EA		8", Cut And Prepare Existing In Place Copper Pipe.....	51.52	
<b>22 11 16 00-0768</b>			<b>Sweat Brass Companion Flanges</b> (22 11 16 00-0368)		
			Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
22 11 16 00-0769	EA		1" Sweat Brass Companion Flange.....	69.19	16.31
22 11 16 00-0770	EA		1-1/4" Sweat Brass Companion Flange.....	75.46	17.96
22 11 16 00-0771	EA		1-1/2" Sweat Brass Companion Flange.....	110.33	19.53
22 11 16 00-0772	EA		2" Sweat Brass Companion Flange.....	149.43	21.67
22 11 16 00-0773	EA		2-1/2" Sweat Brass Companion Flange.....	189.47	26.07
22 11 16 00-0774	EA		3" Sweat Brass Companion Flange.....	206.92	34.17
22 11 16 00-0775	EA		4" Sweat Brass Companion Flange.....	278.24	40.72
22 11 16 00-0776	EA		5" Sweat Brass Companion Flange.....	521.64	48.20
22 11 16 00-0777	EA		6" Sweat Brass Companion Flange.....	592.96	70.04
22 11 16 00-0778	EA		8" Copper Companion Flange.....	1,405.10	99.91





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 16 00-0779</b> Brass Compression Fittings (22 11 16 00-0368)		
<b>22 11 16 00-0780</b> Brass Compression Unions (22 11 16 00-0779)		
22 11 16 00-0781 EA 1/4" Brass Compression Union.....	18.48	11.45
22 11 16 00-0782 EA 3/8" Brass Compression Union.....	18.83	11.45
22 11 16 00-0783 EA 1/2" Brass Compression Union.....	19.90	11.45
22 11 16 00-0784 EA 5/8" Brass Compression Union.....	20.41	11.45
22 11 16 00-0785 EA 3/4" Brass Compression Union.....	27.00	11.45
22 11 16 00-0786 EA 3/8" x 1/4" Brass Compression Union.....	19.07	11.45
22 11 16 00-0787 EA 1/2" x 3/8" Brass Compression Union.....	19.98	11.45
22 11 16 00-0788 EA 5/8" x 3/8" Brass Compression Union.....	20.62	11.45
22 11 16 00-0789 EA 5/8" x 1/2" Brass Compression Union.....	21.63	11.45
<b>22 11 16 00-0790</b> Brass Compression Union Elbows (22 11 16 00-0779)		
22 11 16 00-0791 EA 1/4" Brass Compression Union Elbow.....	19.90	11.45
22 11 16 00-0792 EA 3/8" Brass Compression Union Elbow.....	20.48	11.45
22 11 16 00-0793 EA 1/2" Brass Compression Union Elbow.....	21.74	11.45
22 11 16 00-0794 EA 5/8" Brass Compression Union Elbow.....	23.71	11.45
22 11 16 00-0795 EA 3/4" Brass Compression Union Elbow.....	31.38	11.45
22 11 16 00-0796 EA 3/8" x 1/4" Brass Compression Union Elbow.....	20.48	11.45
22 11 16 00-0797 EA 1/2" x 3/8" Brass Compression Union Elbow.....	21.74	11.45
22 11 16 00-0798 EA 5/8" x 3/8" Brass Compression Union Elbow.....	22.09	11.45
22 11 16 00-0799 EA 5/8" x 1/2" Brass Compression Union Elbow.....	27.86	11.45
<b>22 11 16 00-0800</b> Brass Compression Union Tees (22 11 16 00-0779)		
22 11 16 00-0801 EA 1/4" Brass Compression Union Tee.....	20.34	11.45
22 11 16 00-0802 EA 3/8" Brass Compression Union Tee.....	21.53	11.45
22 11 16 00-0803 EA 1/2" Brass Compression Union Tee.....	22.80	11.45
22 11 16 00-0804 EA 5/8" Brass Compression Union Tee.....	26.81	11.45
22 11 16 00-0805 EA 3/4" Brass Compression Union Tee.....	40.66	11.45
22 11 16 00-0806 EA 3/8" x 3/8" x 1/4" Brass Compression Union Tee.....	22.37	11.45
22 11 16 00-0807 EA 1/2" x 1/2" x 3/8" Brass Compression Union Tee.....	28.88	11.45
22 11 16 00-0808 EA 5/8" x 5/8" x 3/8" Brass Compression Union Tee.....	28.25	11.45
22 11 16 00-0809 EA 5/8" x 5/8" x 1/2" Brass Compression Union Tee.....	28.99	11.45
<b>22 11 16 00-0810</b> Brass Compression Male Connectors (22 11 16 00-0779)		
22 11 16 00-0811 EA 1/4" Brass Compression Male Connector.....	18.23	11.45
22 11 16 00-0812 EA 3/8" Brass Compression Male Connector.....	18.69	11.45
22 11 16 00-0813 EA 1/2" Brass Compression Male Connector.....	19.49	11.45
22 11 16 00-0814 EA 5/8" Brass Compression Male Connector.....	20.69	11.45
22 11 16 00-0815 EA 3/4" Brass Compression Male Connector.....	24.04	11.34
<b>22 11 16 00-0816</b> Brass Compression Female Connectors (22 11 16 00-0779)		
22 11 16 00-0817 EA 1/4" Brass Compression Female Connector.....	18.73	11.45
22 11 16 00-0818 EA 3/8" Brass Compression Female Connector.....	19.33	11.45
22 11 16 00-0819 EA 1/2" Brass Compression Female Connector.....	20.35	11.45
22 11 16 00-0820 EA 5/8" Brass Compression Female Connector.....	21.12	11.45
22 11 16 00-0821 EA 3/4" Brass Compression Female Connector.....	30.94	11.23
<b>22 11 16 00-0822</b> Dielectric Fittings (22 11 16 00-0368)		
<b>22 11 16 00-0823</b> Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)		
22 11 16 00-0824 EA 1/2" Copper x Female Iron Pipe Thread Dielectric Union.....	45.47	25.45
22 11 16 00-0825 EA 3/4" Copper x Female Iron Pipe Thread Dielectric Union.....	50.76	29.05
22 11 16 00-0826 EA 1" Copper x Female Iron Pipe Thread Dielectric Union.....	60.54	31.93
22 11 16 00-0827 EA 1-1/4" Copper x Female Iron Pipe Thread Dielectric Union.....	73.53	35.15
22 11 16 00-0828 EA 1-1/2" Copper x Female Iron Pipe Thread Dielectric Union.....	89.09	39.05
22 11 16 00-0829 EA 2" Copper x Female Iron Pipe Thread Dielectric Union.....	113.29	46.86
<b>22 11 16 00-0830</b> Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)		
22 11 16 00-0831 EA 1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	50.08	25.45
22 11 16 00-0832 EA 3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	58.35	29.05
22 11 16 00-0833 EA 1" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	70.55	31.93
22 11 16 00-0834 EA 1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	86.81	35.15
22 11 16 00-0835 EA 1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	105.52	39.05
22 11 16 00-0836 EA 2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	132.56	46.86
<b>22 11 16 00-0837</b> Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)		
22 11 16 00-0838 EA 1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	47.16	25.45
22 11 16 00-0839 EA 3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	53.53	29.05
22 11 16 00-0840 EA 1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	61.27	31.93
22 11 16 00-0841 EA 1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	70.96	35.15
22 11 16 00-0842 EA 1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	86.55	39.05



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0843	EA		2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	111.25	46.86
<b>22 11 16 00-0844</b>			<b>Copper x Female Iron Pipe Thread Dielectric Flanges</b> <small>(22 11 16 00-0822)</small>		
22 11 16 00-0845	EA		2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange.....	275.49	120.49
22 11 16 00-0846	EA		3" Copper x Female Iron Pipe Thread Dielectric Flange.....	344.85	151.73
22 11 16 00-0847	EA		4" Copper x Female Iron Pipe Thread Dielectric Flange.....	486.57	206.51
<b>22 11 16 00-0848</b>			<b>Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges</b> <small>(22 11 16 00-0822)</small>		
22 11 16 00-0849	EA		2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	277.40	120.49
22 11 16 00-0850	EA		3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	359.96	151.73
22 11 16 00-0851	EA		4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	660.93	206.51
<b>22 11 16 00-0852</b>			<b>Brass Push-Fit Fittings</b> <small>(22 11 16)</small>		
22 11 16 00-0853	EA		1/4" x 1/4" Brass Push-Fit Coupling..... Note: (Sharkbite)	23.46	10.60
22 11 16 00-0854	EA		3/8" x 3/8" Brass Push-Fit Coupling..... Note: (Sharkbite)	29.40	11.31
22 11 16 00-0855	EA		1/2" x 1/2" Brass Push-Fit Coupling..... Note: (Sharkbite)	30.32	12.73
22 11 16 00-0856	EA		5/8" x 5/8" Brass Push-Fit Coupling..... Note: (Sharkbite)	35.05	13.57
22 11 16 00-0857	EA		3/4" x 3/4" Brass Push-Fit Coupling..... Note: (Sharkbite)	35.63	14.50
22 11 16 00-0858	EA		1" x 1" Brass Push-Fit Coupling..... Note: (Sharkbite)	50.53	17.31
22 11 16 00-0859	EA		1/2" x 3/8" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)	29.85	12.01
22 11 16 00-0860	EA		3/4" x 5/8" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)	34.68	13.15
22 11 16 00-0861	EA		1" x 3/4" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)	52.20	15.90
22 11 16 00-0862	EA		1/4" x 1/4" Brass Push-Fit Elbow..... Note: (Sharkbite)	24.55	10.60
22 11 16 00-0863	EA		3/8" x 3/8" Brass Push-Fit Elbow..... Note: (Sharkbite)	34.06	11.31
22 11 16 00-0864	EA		1/2" x 1/2" Brass Push-Fit Elbow..... Note: (Sharkbite)	30.91	12.73
22 11 16 00-0865	EA		5/8" x 5/8" Brass Push-Fit Elbow..... Note: (Sharkbite)	37.75	13.57
22 11 16 00-0866	EA		3/4" x 3/4" Brass Push-Fit Elbow..... Note: (Sharkbite)	34.86	14.50
22 11 16 00-0867	EA		1" x 1" Brass Push-Fit Elbow..... Note: (Sharkbite)	51.13	17.31
22 11 16 00-0868	EA		1/2" x 3/8" Brass Push-Fit Reducing Elbow..... Note: (Sharkbite)	29.36	12.01
22 11 16 00-0869	EA		3/4" x 1/2" Brass Push-Fit Reducing Elbow..... Note: (Sharkbite)	32.75	13.15
22 11 16 00-0870	EA		1" x 3/4" Brass Push-Fit Reducing Elbow..... Note: (Sharkbite)	65.53	15.90
22 11 16 00-0871	EA		1/4" x 1/4" x 1/4" Brass Push-Fit Tee..... Note: (Sharkbite)	37.29	15.90
22 11 16 00-0872	EA		3/8" x 3/8" x 3/8" Brass Push-Fit Tee..... Note: (Sharkbite)	47.69	16.97
22 11 16 00-0873	EA		1/2" x 1/2" x 1/2" Brass Push-Fit Tee..... Note: (Sharkbite)	43.14	19.08
22 11 16 00-0874	EA		5/8" x 5/8" x 5/8" Brass Push-Fit Tee..... Note: (Sharkbite)	55.50	20.35
22 11 16 00-0875	EA		3/4" x 3/4" x 3/4" Brass Push-Fit Tee..... Note: (Sharkbite)	50.40	21.73
22 11 16 00-0876	EA		1" x 1" x 1" Brass Push-Fit Tee..... Note: (Sharkbite)	69.45	25.97
22 11 16 00-0877	EA		1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	48.91	18.02
22 11 16 00-0878	EA		1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	49.15	18.38
22 11 16 00-0879	EA		3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	48.67	20.86
22 11 16 00-0880	EA		1" x 1" x 3/4" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	67.48	24.56
22 11 16 00-0881	EA		1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	28.07	11.67
22 11 16 00-0882	EA		3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	27.67	12.01
22 11 16 00-0883	EA		1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	27.22	12.73
22 11 16 00-0884	EA		3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	31.18	14.50
22 11 16 00-0885	EA		1" x 1" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	44.27	17.31



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0886 EA 1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector	.....	24.33	11.67
	Note: (Sharkbite)			
	22 11 16 00-0887 EA 3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector	.....	27.67	12.01
	Note: (Sharkbite)			
	22 11 16 00-0888 EA 1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector	.....	27.29	12.73
	Note: (Sharkbite)			
	22 11 16 00-0889 EA 3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector	.....	30.84	14.50
	Note: (Sharkbite)			
	22 11 16 00-0890 EA 5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector	.....	33.78	14.02
	Note: (Sharkbite)			
	22 11 16 00-0891 EA 1" x 3/4" Brass Push-Fit Pipe To MNPT Connector	.....	40.67	15.90
	Note: (Sharkbite)			
	22 11 16 00-0892 EA 1" x 1" Brass Push-Fit Pipe To MNPT Connector	.....	44.97	17.31
	Note: (Sharkbite)			
	22 11 16 00-0893 EA 1/2" Brass Push-Fit Ball Valve	.....	40.14	12.73
	Note: (Sharkbite)			
	22 11 16 00-0894 EA 3/4" Brass Push-Fit Ball Valve	.....	46.99	14.50
	Note: (Sharkbite)			
	22 11 16 00-0895 EA 1" Brass Push-Fit Ball Valve	.....	62.35	17.31
	Note: (Sharkbite)			
	22 11 16 00-0896 EA 1/2" Brass Push-Fit Check Valve	.....	43.15	12.73
	Note: (Sharkbite)			
	22 11 16 00-0897 EA 3/4" Brass Push-Fit Check Valve	.....	52.06	14.50
	Note: (Sharkbite)			
	22 11 16 00-0898 EA 1" Brass Push-Fit Check Valve	.....	88.72	17.31
	Note: (Sharkbite)			
	<b>22 11 16 00-0899 Copper Pipe Assemblies</b> <small>(22 11 16)</small>			
	Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.			
	22 11 16 00-0900 LF 1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly	.....	22.04	2.97
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
	<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		-1.93	
	<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		2.76	
	<i>For For Brazed Fittings, Add</i>		0.66	
	<i>For Work In Restricted Working Space, Add</i>		4.97	
	<i>For Type K Tubing Instead Of Type L, Add</i>		1.62	
	<i>For Type M Tubing Instead Of Type L, Deduct</i>		-1.32	
	22 11 16 00-0901 LF 3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly	.....	25.98	3.82
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
	<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		-2.24	
	<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		3.18	
	<i>For For Brazed Fittings, Add</i>		0.75	
	<i>For Work In Restricted Working Space, Add</i>		5.64	
	<i>For Type K Tubing Instead Of Type L, Add</i>		2.01	
	<i>For Type M Tubing Instead Of Type L, Deduct</i>		-1.61	
	22 11 16 00-0902 LF 1" Inside Diameter Copper Pipe/Tubing Type L Assembly	.....	29.38	4.55
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
	<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		-2.45	
	<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		3.44	
	<i>For For Brazed Fittings, Add</i>		0.79	
	<i>For Work In Restricted Working Space, Add</i>		5.91	
	<i>For Type K Tubing Instead Of Type L, Add</i>		2.48	
	<i>For Type M Tubing Instead Of Type L, Deduct</i>		-1.95	
	22 11 16 00-0903 LF 1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly	.....	33.85	5.30
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
	<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		-2.72	
	<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>		-1.34	
	<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		3.74	
	<i>For For Brazed Fittings, Add</i>		0.82	
	<i>For Work In Restricted Working Space, Add</i>		6.14	
	<i>For Type K Tubing Instead Of Type L, Add</i>		3.15	
	<i>For Type M Tubing Instead Of Type L, Deduct</i>		-2.43	
	22 11 16 00-0904 LF 1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly	.....	38.39	6.05
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
	<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		-3.01	
	<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>		-1.66	
	<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		4.10	
	<i>For For Brazed Fittings, Add</i>		0.87	
	<i>For Work In Restricted Working Space, Add</i>		6.55	
	<i>For Type K Tubing Instead Of Type L, Add</i>		3.76	
	<i>For Type M Tubing Instead Of Type L, Deduct</i>		-2.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0905 LF 2" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For For Brazed Fittings, Add For Work In Restricted Working Space, Add For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct	50.03 -3.76 -2.49 5.01 1.00 7.54 5.35 -3.99	7.53
22 11 16 00-0906 LF 2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For For Brazed Fittings, Add For Work In Restricted Working Space, Add For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct	63.75 -4.53 -3.68 5.88 1.08 8.08 7.50 -5.49	9.08
22 11 16 00-0907 LF 3" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For For Brazed Fittings, Add For Work In Restricted Working Space, Add For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct	79.36 -5.43 -5.02 6.89 1.17 8.75 9.92 -7.19	10.54
22 11 16 00-0908 LF 4" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For For Brazed Fittings, Add For Work In Restricted Working Space, Add For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct	128.09 -8.29 -9.04 10.18 1.51 11.32 17.27 -12.35	13.96
22 11 16 00-0909 LF 5" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For For Brazed Fittings, Add For Work In Restricted Working Space, Add For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct	236.08 -14.23 -18.77 16.65 1.94 14.53 34.66 -24.46	17.38
22 11 16 00-0910 LF 6" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For For Brazed Fittings, Add For Work In Restricted Working Space, Add For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct	309.50 -18.55 -24.80 21.63 2.46 18.45 45.71 -32.22	20.99
22 11 16 00-0911 LF 8" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For For Brazed Fittings, Add For Work In Restricted Working Space, Add For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct	692.91 -38.47 -61.65 42.29 3.06 22.93 110.57 -77.03	25.09
22 11 16 00-0912 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16) Note: Socket weld.		
22 11 16 00-0913 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0912)		
22 11 16 00-0914 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0913)		
22 11 16 00-0915 LF 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... For Work In Restricted Working Space, Add	8.40 1.17	1.56
22 11 16 00-0916 LF 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... For Work In Restricted Working Space, Add	10.25 1.23	1.64
22 11 16 00-0917 LF 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... For Work In Restricted Working Space, Add	13.44 1.33	1.76
22 11 16 00-0918 LF 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... For Work In Restricted Working Space, Add	17.28 1.45	1.93



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0919	LF		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	20.41 1.60	2.13
	22 11 16 00-0920	LF		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	26.85 1.79	2.38
	22 11 16 00-0921	LF		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	38.73 2.03	2.70
	22 11 16 00-0922	LF		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	50.70 2.40	3.21
	22 11 16 00-0923	LF		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	72.47 2.95	3.93
	22 11 16 00-0924	LF		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	133.66 3.75	5.00
	22 11 16 00-0925	LF		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	195.09 4.92	6.56
	<b>22 11 16 00-0926</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows</b> <small>(22 11 16 00-0913)</small>		
	22 11 16 00-0927	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	25.57 5.57	7.42
	22 11 16 00-0928	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	34.36 7.03	9.37
	22 11 16 00-0929	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	46.66 8.82	11.71
	22 11 16 00-0930	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	69.97 11.01	14.65
	22 11 16 00-0931	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	78.16 12.18	16.21
	22 11 16 00-0932	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	95.92 13.59	16.21
	22 11 16 00-0933	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	183.41 15.47	20.60
	22 11 16 00-0934	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	204.21 18.28	24.42
	22 11 16 00-0935	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	313.94 22.50	29.98
	22 11 16 00-0936	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	394.82 28.59	38.08
	22 11 16 00-0937	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	858.01 37.49	49.99
	<b>22 11 16 00-0938</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows</b> <small>(22 11 16 00-0913)</small>		
	22 11 16 00-0939	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	29.08 5.57	7.42
	22 11 16 00-0940	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	38.56 7.03	9.37
	22 11 16 00-0941	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	53.48 8.82	11.71
	22 11 16 00-0942	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	78.95 11.01	14.65
	22 11 16 00-0943	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	89.09 12.18	16.21
	22 11 16 00-0944	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	99.63 13.59	18.17
	22 11 16 00-0945	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	185.75 15.47	20.60
	22 11 16 00-0946	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	203.91 18.28	24.42
	22 11 16 00-0947	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	271.13 22.50	29.98
	22 11 16 00-0948	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	475.08 28.59	38.08
	22 11 16 00-0949	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	914.88 37.49	49.99
	<b>22 11 16 00-0950</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees</b> <small>(22 11 16 00-0913)</small>		
	22 11 16 00-0951	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	40.61 8.35	11.13
	22 11 16 00-0952	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	55.54 10.55	14.06
	22 11 16 00-0953	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	69.20 13.24	17.67
	22 11 16 00-0954	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	107.93 16.52	22.07
	22 11 16 00-0955	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	121.50 18.28	24.42
	22 11 16 00-0956	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	158.30 20.39	27.15
	22 11 16 00-0957	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	225.75 23.20	30.95
	22 11 16 00-0958	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	252.87 27.42	36.52



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0959	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	303.25 33.74	45.01
22 11 16 00-0960	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	515.70 42.88	57.22
22 11 16 00-0961	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	1,254.64 56.24	74.99
<b>22 11 16 00-0962</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses</b> (22 11 16 00-0913)		
22 11 16 00-0963	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	48.11 11.13	14.84
22 11 16 00-0964	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	64.42 14.06	18.75
22 11 16 00-0965	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	80.38 17.63	23.53
22 11 16 00-0966	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	118.96 22.03	29.39
22 11 16 00-0967	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	133.41 24.37	32.51
22 11 16 00-0968	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	168.43 27.18	36.23
22 11 16 00-0969	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	230.93 30.93	41.21
22 11 16 00-0970	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	260.94 36.56	48.72
22 11 16 00-0971	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	314.29 44.99	59.95
22 11 16 00-0972	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	511.65 57.18	76.26
22 11 16 00-0973	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	1,169.13 74.99	99.98
<b>22 11 16 00-0974</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts</b> (22 11 16 00-0913)		
22 11 16 00-0975	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	21.39 5.16	6.83
22 11 16 00-0976	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	31.33 6.94	9.27
22 11 16 00-0977	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	67.72 9.08	12.11
22 11 16 00-0978	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	77.68 10.05	13.38
22 11 16 00-0979	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	95.43 11.22	14.94
22 11 16 00-0980	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	100.60 12.77	16.99
22 11 16 00-0981	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	124.60 15.08	20.11
22 11 16 00-0982	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	180.99 18.57	24.71
22 11 16 00-0983	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	332.28 23.58	31.44
22 11 16 00-0984	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	866.36 30.93	41.21
<b>22 11 16 00-0985</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts</b> (22 11 16 00-0913)		
22 11 16 00-0986	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	39.71 3.66	4.88
22 11 16 00-0987	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	46.84 5.16	6.83
22 11 16 00-0988	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	54.93 6.94	9.27
22 11 16 00-0989	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	65.68 9.08	12.11
22 11 16 00-0990	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	80.69 10.05	13.38
22 11 16 00-0991	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	110.46 11.22	14.94
22 11 16 00-0992	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	198.72 12.77	16.99
22 11 16 00-0993	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	458.15 15.08	20.11
22 11 16 00-0994	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	704.72 18.57	24.71



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 16 00-0995</b>				<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters</b> <small>(22 11 16 00-0913)</small>		
				EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	22.74	4.88
				<i>For Work In Restricted Working Space, Add</i> .....	3.66	
				EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	31.43	6.83
				<i>For Work In Restricted Working Space, Add</i> .....	5.16	
				EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	47.13	9.27
				<i>For Work In Restricted Working Space, Add</i> .....	6.94	
				EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	65.68	12.11
				<i>For Work In Restricted Working Space, Add</i> .....	9.08	
				EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	81.38	13.38
				<i>For Work In Restricted Working Space, Add</i> .....	10.05	
				EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	102.16	14.94
				<i>For Work In Restricted Working Space, Add</i> .....	11.22	
				EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	165.17	16.99
				<i>For Work In Restricted Working Space, Add</i> .....	12.77	
				EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	198.52	20.11
				<i>For Work In Restricted Working Space, Add</i> .....	15.08	
				EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	312.55	24.71
				<i>For Work In Restricted Working Space, Add</i> .....	18.57	
<b>22 11 16 00-1005</b>				<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters</b> <small>(22 11 16 00-0913)</small>		
				EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters .....	26.75	4.88
				<i>For Work In Restricted Working Space, Add</i> .....	3.66	
				EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters .....	32.70	6.83
				<i>For Work In Restricted Working Space, Add</i> .....	5.16	
				EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters .....	47.47	9.27
				<i>For Work In Restricted Working Space, Add</i> .....	6.94	
				EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters .....	66.85	12.11
				<i>For Work In Restricted Working Space, Add</i> .....	9.08	
				EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters .....	76.01	13.38
				<i>For Work In Restricted Working Space, Add</i> .....	10.05	
				EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters .....	97.78	14.94
				<i>For Work In Restricted Working Space, Add</i> .....	11.22	
				EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters .....	167.71	16.99
				<i>For Work In Restricted Working Space, Add</i> .....	12.77	
				EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters .....	242.80	20.11
				<i>For Work In Restricted Working Space, Add</i> .....	15.08	
				EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters .....	387.84	24.71
				<i>For Work In Restricted Working Space, Add</i> .....	18.57	
<b>22 11 16 00-1015</b>				<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings</b> <small>(22 11 16 00-0913)</small>		
				EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	20.10	4.50
				<i>For Work In Restricted Working Space, Add</i> .....	3.34	
				EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	28.30	6.25
				<i>For Work In Restricted Working Space, Add</i> .....	4.69	
				EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	38.06	8.40
				<i>For Work In Restricted Working Space, Add</i> .....	6.30	
				EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	52.99	11.04
				<i>For Work In Restricted Working Space, Add</i> .....	8.26	
				EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	62.55	12.21
				<i>For Work In Restricted Working Space, Add</i> .....	9.14	
				EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	71.24	13.57
				<i>For Work In Restricted Working Space, Add</i> .....	10.19	
				EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	128.01	15.42
				<i>For Work In Restricted Working Space, Add</i> .....	11.60	
				EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	135.92	18.26
				<i>For Work In Restricted Working Space, Add</i> .....	13.71	
				EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	174.45	22.46
				<i>For Work In Restricted Working Space, Add</i> .....	16.87	
				EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	304.67	28.61
				<i>For Work In Restricted Working Space, Add</i> .....	21.44	
				EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	566.27	37.49
				<i>For Work In Restricted Working Space, Add</i> .....	28.12	
<b>22 11 16 00-1027</b>				<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions</b> <small>(22 11 16 00-0913)</small>		
				EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	51.61	5.37
				<i>For Work In Restricted Working Space, Add</i> .....	4.01	
				EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	58.84	7.52
				<i>For Work In Restricted Working Space, Add</i> .....	5.63	
				EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions .....	66.54	10.06
				<i>For Work In Restricted Working Space, Add</i> .....	7.56	
				EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions .....	130.24	13.19
				<i>For Work In Restricted Working Space, Add</i> .....	9.90	
				EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions .....	135.52	14.65
				<i>For Work In Restricted Working Space, Add</i> .....	10.96	
				EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions .....	205.06	16.31
				<i>For Work In Restricted Working Space, Add</i> .....	12.25	



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22 11 16 00-1034	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	386.95 13.91	18.55
22 11 16 00-1035	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	569.55 16.46	21.97
22 11 16 00-1036	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	942.41 20.24	26.95
22 11 16 00-1037	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	1,267.39 25.72	34.27
22 11 16 00-1038	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	1,555.91 33.74	45.01
<b>22 11 16 00-1039</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps</b> (22 11 16 00-0913)		
22 11 16 00-1040	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	21.12 2.09	4.59
22 11 16 00-1041	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	28.88 2.64	5.76
22 11 16 00-1042	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	46.53 3.31	7.23
22 11 16 00-1043	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	52.69 4.13	5.46
22 11 16 00-1044	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	54.93 4.57	6.06
22 11 16 00-1045	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	80.90 5.10	6.83
22 11 16 00-1046	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	134.41 5.80	7.71
22 11 16 00-1047	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	140.57 6.86	9.17
22 11 16 00-1048	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	226.69 8.44	11.23
22 11 16 00-1049	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	529.82 10.72	14.25
22 11 16 00-1050	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap ..... <i>For Work In Restricted Working Space, Add</i>	681.29 14.06	18.75
<b>22 11 16 00-1051</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges</b> (22 11 16 00-0913)		
22 11 16 00-1052	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	43.02 2.66	3.52
22 11 16 00-1053	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	49.08 3.75	4.98
22 11 16 00-1054	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	57.56 5.04	6.73
22 11 16 00-1055	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	64.01 6.62	8.79
22 11 16 00-1056	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	67.33 7.33	9.77
22 11 16 00-1057	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	84.21 8.15	10.84
22 11 16 00-1058	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	120.01 9.29	12.40
22 11 16 00-1059	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	133.66 10.96	14.65
22 11 16 00-1060	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	168.09 13.50	17.96
22 11 16 00-1061	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	250.72 17.17	22.85
22 11 16 00-1062	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	511.53 22.50	29.98
<b>22 11 16 00-1063</b>			<b>Red Brass Pipe And Fittings</b> (22 11 16) Note: ASTM B43 And B251 (Pipe), ASME B16.15.		
<b>22 11 16 00-1064</b>			<b>Schedule 40 Red Brass Pipe</b> (22 11 16 00-1063)		
22 11 16 00-1065	LF		1/2" Schedule 40 Red Brass Pipe.....	28.62	2.05
22 11 16 00-1066	LF		3/4" Schedule 40 Red Brass Pipe.....	38.02	2.05
22 11 16 00-1067	LF		1" Schedule 40 Red Brass Pipe.....	52.02	2.05
22 11 16 00-1068	LF		1-1/4" Schedule 40 Red Brass Pipe.....	76.41	2.25
22 11 16 00-1069	LF		1-1/2" Schedule 40 Red Brass Pipe.....	88.03	2.44
22 11 16 00-1070	LF		2" Schedule 40 Red Brass Pipe.....	112.85	2.93
22 11 16 00-1071	LF		2-1/2" Schedule 40 Red Brass Pipe.....	164.28	3.32
22 11 16 00-1072	LF		3" Schedule 40 Red Brass Pipe.....	232.29	3.52
22 11 16 00-1073	LF		4" Schedule 40 Red Brass Pipe.....	333.15	3.52
<b>22 11 16 00-1074</b>			<b>125 LB Cast Bronze, Screwed, 90 Degree Elbows</b> (22 11 16 00-1063)		
22 11 16 00-1075	EA		1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow .....	57.61	24.31
22 11 16 00-1076	EA		3/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow .....	65.48	26.75
22 11 16 00-1077	EA		1" 125 LB Cast Bronze, Screwed, 90 Degree Elbow .....	82.72	31.63
22 11 16 00-1078	EA		1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow .....	99.62	33.98
22 11 16 00-1079	EA		1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow .....	111.98	36.42





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				22 11 16 00-1080 EA 2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow .....	140.85	38.86
				22 11 16 00-1081 EA 2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow .....	242.97	48.63
				22 11 16 00-1082 EA 3" 125 LB Cast Bronze, Screwed, 90 Degree Elbow .....	339.25	58.30
				22 11 16 00-1083 EA 4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow .....	606.22	77.72
<b>22 11 16 00-1084</b>				<b>125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbows (22 11 16 00-1063)</b>		
				22 11 16 00-1085 EA 1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	60.62	24.31
				22 11 16 00-1086 EA 3/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	69.85	26.75
				22 11 16 00-1087 EA 1" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	91.87	31.63
				22 11 16 00-1088 EA 1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	111.61	33.98
				22 11 16 00-1089 EA 1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	128.49	36.42
				22 11 16 00-1090 EA 2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	176.91	38.86
				22 11 16 00-1091 EA 2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	273.00	48.63
				22 11 16 00-1092 EA 3" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	431.58	58.30
				22 11 16 00-1093 EA 4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	867.50	77.72
<b>22 11 16 00-1094</b>				<b>125 LB Cast Bronze, Screwed, 45 Degree Elbows (22 11 16 00-1063)</b>		
				22 11 16 00-1095 EA 1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	59.14	24.31
				22 11 16 00-1096 EA 3/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	68.47	26.75
				22 11 16 00-1097 EA 1" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	88.74	31.63
				22 11 16 00-1098 EA 1-1/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	108.63	33.98
				22 11 16 00-1099 EA 1-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	123.98	36.42
				22 11 16 00-1100 EA 2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	160.38	38.86
				22 11 16 00-1101 EA 2-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	254.94	48.63
				22 11 16 00-1102 EA 3" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	359.75	58.30
				22 11 16 00-1103 EA 4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	806.79	77.72
<b>22 11 16 00-1104</b>				<b>125 LB Cast Bronze, Screwed, Tees (22 11 16 00-1063)</b>		
				22 11 16 00-1105 EA 1/2" 125 LB Cast Bronze, Screwed, Tee .....	83.43	36.42
				22 11 16 00-1106 EA 3/4" 125 LB Cast Bronze, Screwed, Tee .....	94.71	39.84
				22 11 16 00-1107 EA 1" 125 LB Cast Bronze, Screwed, Tee .....	121.34	47.16
				22 11 16 00-1108 EA 1-1/4" 125 LB Cast Bronze, Screwed, Tee .....	148.64	51.07
				22 11 16 00-1109 EA 1-1/2" 125 LB Cast Bronze, Screwed, Tee .....	161.44	54.38
				22 11 16 00-1110 EA 2" 125 LB Cast Bronze, Screwed, Tee .....	203.77	58.30
				22 11 16 00-1111 EA 2-1/2" 125 LB Cast Bronze, Screwed, Tee .....	344.11	72.93
				22 11 16 00-1112 EA 3" 125 LB Cast Bronze, Screwed, Tee .....	478.13	87.49
				22 11 16 00-1113 EA 4" 125 LB Cast Bronze, Screwed, Tee .....	984.44	116.58
<b>22 11 16 00-1114</b>				<b>125 LB Cast Bronze, Screwed, Reducing Tees (22 11 16 00-1063)</b>		
				22 11 16 00-1115 EA 1/2" 125 LB Cast Bronze, Screwed, Reducing Tee .....	87.92	36.42
				22 11 16 00-1116 EA 3/4" 125 LB Cast Bronze, Screwed, Reducing Tee .....	97.74	39.84
				22 11 16 00-1117 EA 1" 125 LB Cast Bronze, Screwed, Reducing Tee .....	133.36	47.16
				22 11 16 00-1118 EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing Tee .....	157.65	51.07
				22 11 16 00-1119 EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing Tee .....	185.48	54.38
				22 11 16 00-1120 EA 2" 125 LB Cast Bronze, Screwed, Reducing Tee .....	241.33	58.30
				22 11 16 00-1121 EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing Tee .....	417.16	72.93
				22 11 16 00-1122 EA 3" 125 LB Cast Bronze, Screwed, Reducing Tee .....	795.57	87.49
				22 11 16 00-1123 EA 4" 125 LB Cast Bronze, Screwed, Reducing Tee .....	1,234.83	116.58
<b>22 11 16 00-1124</b>				<b>125 LB Cast Bronze, Screwed, Crosses (22 11 16 00-1063)</b>		
				22 11 16 00-1125 EA 1/2" 125 LB Cast Bronze, Screwed, Cross .....	118.24	48.63
				22 11 16 00-1126 EA 3/4" 125 LB Cast Bronze, Screwed, Cross .....	136.96	53.41
				22 11 16 00-1127 EA 1" 125 LB Cast Bronze, Screwed, Cross .....	172.94	63.17
				22 11 16 00-1128 EA 1-1/4" 125 LB Cast Bronze, Screwed, Cross .....	214.90	68.05
				22 11 16 00-1129 EA 1-1/2" 125 LB Cast Bronze, Screwed, Cross .....	254.37	72.93
				22 11 16 00-1130 EA 2" 125 LB Cast Bronze, Screwed, Cross .....	372.60	77.72
				22 11 16 00-1131 EA 2-1/2" 125 LB Cast Bronze, Screwed, Cross .....	605.10	97.16
				22 11 16 00-1132 EA 3" 125 LB Cast Bronze, Screwed, Cross .....	835.72	116.58
				22 11 16 00-1133 EA 4" 125 LB Cast Bronze, Screwed, Cross .....	1,543.18	155.54
<b>22 11 16 00-1134</b>				<b>125 LB Cast Bronze, Screwed, Caps (22 11 16 00-1063)</b>		
				22 11 16 00-1135 EA 1/2" 125 LB Cast Bronze, Screwed, Cap .....	27.87	14.46
				22 11 16 00-1136 EA 3/4" 125 LB Cast Bronze, Screwed, Cap .....	31.59	15.92
				22 11 16 00-1137 EA 1" 125 LB Cast Bronze, Screwed, Cap .....	42.07	18.75
				22 11 16 00-1138 EA 1-1/4" 125 LB Cast Bronze, Screwed, Cap .....	54.65	20.21
				22 11 16 00-1139 EA 1-1/2" 125 LB Cast Bronze, Screwed, Cap .....	64.39	21.67
				22 11 16 00-1140 EA 2" 125 LB Cast Bronze, Screwed, Cap .....	89.09	23.14
				22 11 16 00-1141 EA 2-1/2" 125 LB Cast Bronze, Screwed, Cap .....	142.87	28.90
				22 11 16 00-1142 EA 3" 125 LB Cast Bronze, Screwed, Cap .....	205.76	34.67
				22 11 16 00-1143 EA 4" 125 LB Cast Bronze, Screwed, Cap .....	362.28	46.18
<b>22 11 16 00-1144</b>				<b>125 LB Cast Bronze, Screwed, Couplings (22 11 16 00-1063)</b>		
				22 11 16 00-1145 EA 1/2" 125 LB Cast Bronze, Screwed, Coupling .....	56.13	24.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1146 EA 3/4" 125 LB Cast Bronze, Screwed, Coupling.....	64.00	26.75
22 11 16 00-1147 EA 1" 125 LB Cast Bronze, Screwed, Coupling.....	81.21	31.63
22 11 16 00-1148 EA 1-1/4" 125 LB Cast Bronze, Screwed, Coupling.....	98.09	33.98
22 11 16 00-1149 EA 1-1/2" 125 LB Cast Bronze, Screwed, Coupling.....	111.98	36.42
22 11 16 00-1150 EA 2" 125 LB Cast Bronze, Screwed, Coupling.....	142.36	38.86
22 11 16 00-1151 EA 2-1/2" 125 LB Cast Bronze, Screwed, Coupling.....	202.37	48.63
22 11 16 00-1152 EA 3" 125 LB Cast Bronze, Screwed, Coupling.....	262.41	58.30
22 11 16 00-1153 EA 4" 125 LB Cast Bronze, Screwed, Coupling.....	455.97	77.72
<b>22 11 16 00-1154 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducers</b>		
(22 11 16 00-1063)		
22 11 16 00-1155 EA 1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	49.89	19.44
22 11 16 00-1156 EA 3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	57.05	21.87
22 11 16 00-1157 EA 1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	77.51	29.19
22 11 16 00-1158 EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	93.13	31.63
22 11 16 00-1159 EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	105.78	33.98
22 11 16 00-1160 EA 2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	128.73	36.42
22 11 16 00-1161 EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	188.79	46.18
22 11 16 00-1162 EA 3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	229.45	53.41
22 11 16 00-1163 EA 4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	402.99	70.49
<b>22 11 16 00-1164 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducers</b>		
(22 11 16 00-1063)		
22 11 16 00-1165 EA 3/4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	51.13	19.44
22 11 16 00-1166 EA 1" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	93.82	26.75
22 11 16 00-1167 EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	124.10	29.19
22 11 16 00-1168 EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	145.72	31.63
22 11 16 00-1169 EA 2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	195.37	36.42
22 11 16 00-1170 EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	302.41	46.18
22 11 16 00-1171 EA 3" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	366.62	48.63
22 11 16 00-1172 EA 4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	414.85	63.17
<b>22 11 16 00-1173 125 LB Cast Bronze, FIP Threaded, Unions</b>		
(22 11 16 00-1063)		
22 11 16 00-1174 EA 1/2" 125 LB Cast Bronze, FIP Threaded, Union.....	62.91	19.44
For 150 LB, Add	9.62	
22 11 16 00-1175 EA 3/4" 125 LB Cast Bronze, FIP Threaded, Union.....	75.81	21.38
For 150 LB, Add	13.22	
22 11 16 00-1176 EA 1" 125 LB Cast Bronze, FIP Threaded, Union.....	94.11	25.29
For 150 LB, Add	17.43	
22 11 16 00-1177 EA 1-1/4" 125 LB Cast Bronze, FIP Threaded, Union.....	117.51	27.24
For 150 LB, Add	25.23	
22 11 16 00-1178 EA 1-1/2" 125 LB Cast Bronze, FIP Threaded, Union.....	133.47	29.19
For 150 LB, Add	30.06	
22 11 16 00-1179 EA 2" 125 LB Cast Bronze, FIP Threaded, Union.....	157.89	33.00
For 150 LB, Add	36.72	
22 11 16 00-1180 EA 2-1/2" 125 LB Cast Bronze, FIP Threaded, Union.....	274.13	48.82
For 150 LB, Add	70.60	
For 250 LB, Add	150.02	
For 300 LB, Add	211.79	
22 11 16 00-1181 EA 3" 125 LB Cast Bronze, FIP Threaded, Union.....	401.09	64.20
For 150 LB, Add	109.08	
For 250 LB, Add	231.79	
For 300 LB, Add	327.23	
22 11 16 00-1182 EA 4" 125 LB Cast Bronze, FIP Threaded, Union.....	743.77	71.08
For 150 LB, Add	240.60	
For 250 LB, Add	511.28	
For 300 LB, Add	721.80	
<b>22 11 16 00-1183 125 LB Cast Bronze, Screwed, Companion Flanges</b>		
(22 11 16 00-1063)		
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
22 11 16 00-1184 EA 1/2" 125 LB Cast Bronze, Screwed, Companion Flange.....	181.79	24.31
22 11 16 00-1185 EA 3/4" 125 LB Cast Bronze, Screwed, Companion Flange.....	197.65	29.19
22 11 16 00-1186 EA 1" 125 LB Cast Bronze, Screwed, Companion Flange.....	226.45	33.98
22 11 16 00-1187 EA 1-1/4" 125 LB Cast Bronze, Screwed, Companion Flange.....	258.64	36.42
22 11 16 00-1188 EA 1-1/2" 125 LB Cast Bronze, Screwed, Companion Flange.....	307.18	38.86
22 11 16 00-1189 EA 2" 125 LB Cast Bronze, Screwed, Companion Flange.....	388.58	41.30
22 11 16 00-1190 EA 2-1/2" 125 LB Cast Bronze, Screwed, Companion Flange.....	490.54	48.63
22 11 16 00-1191 EA 3" 125 LB Cast Bronze, Screwed, Companion Flange.....	607.72	60.74
22 11 16 00-1192 EA 4" 125 LB Cast Bronze, Screwed, Companion Flange.....	866.62	85.05
<b>22 11 16 00-1193 125 LB Cast Bronze, Screwed, Square Head Plugs</b>		
(22 11 16 00-1063)		
22 11 16 00-1194 EA 1/2" 125 LB Cast Bronze, Screwed, Square Head Plug.....	17.27	
22 11 16 00-1195 EA 3/4" 125 LB Cast Bronze, Screwed, Square Head Plug.....	17.91	
22 11 16 00-1196 EA 1" 125 LB Cast Bronze, Screwed, Square Head Plug.....	27.64	
22 11 16 00-1197 EA 1-1/4" 125 LB Cast Bronze, Screwed, Square Head Plug.....	32.14	
22 11 16 00-1198 EA 1-1/2" 125 LB Cast Bronze, Screwed, Square Head Plug.....	36.80	
22 11 16 00-1199 EA 2" 125 LB Cast Bronze, Screwed, Square Head Plug.....	55.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1200 EA 2-1/2" 125 LB Cast Bronze, Screwed, Square Head Plug.....	84.65	
22 11 16 00-1201 EA 3" 125 LB Cast Bronze, Screwed, Square Head Plug.....	124.64	
22 11 16 00-1202 EA 4" 125 LB Cast Bronze, Screwed, Square Head Plug.....	211.27	
<b>22 11 16 00-1203 125 LB Cast Bronze, Screwed, Counter Sunk Plugs</b> (22 11 16 00-1063)		
22 11 16 00-1204 EA 1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	7.53	
22 11 16 00-1205 EA 3/4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	9.01	
22 11 16 00-1206 EA 1" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	13.55	
22 11 16 00-1207 EA 1-1/4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	21.05	
22 11 16 00-1208 EA 1-1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	33.33	
22 11 16 00-1209 EA 2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	51.66	
22 11 16 00-1210 EA 2-1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	100.55	
22 11 16 00-1211 EA 3" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	162.84	
22 11 16 00-1212 EA 4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug.....	397.15	
<b>22 11 16 00-1213 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushings</b> (22 11 16 00-1063)		
22 11 16 00-1214 EA 1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	6.00	
22 11 16 00-1215 EA 3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	7.53	
22 11 16 00-1216 EA 1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	10.54	
22 11 16 00-1217 EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	18.04	
22 11 16 00-1218 EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	25.57	
22 11 16 00-1219 EA 2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	31.59	
22 11 16 00-1220 EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	79.64	
22 11 16 00-1221 EA 3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	117.23	
22 11 16 00-1222 EA 4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	256.77	
<b>22 11 16 00-1223 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushings</b> (22 11 16 00-1063)		
22 11 16 00-1224 EA 1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	10.54	
22 11 16 00-1225 EA 3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	15.01	
22 11 16 00-1226 EA 1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	26.16	
22 11 16 00-1227 EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	35.53	
22 11 16 00-1228 EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	44.42	
22 11 16 00-1229 EA 2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	55.96	
22 11 16 00-1230 EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	114.26	
22 11 16 00-1231 EA 3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	180.78	
22 11 16 00-1232 EA 4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	379.90	
<b>22 11 16 00-1233 1/2" Red Brass Pipe Nipples</b> (22 11 16 00-1063)		
Note: Threaded both ends.		
22 11 16 00-1234 EA 1/2" x Close, Red Brass Pipe Nipple.....	9.51	
22 11 16 00-1235 EA 1/2" x 1-1/2" Long, Red Brass Pipe Nipple.....	11.14	
22 11 16 00-1236 EA 1/2" x 2" Long, Red Brass Pipe Nipple.....	13.65	
22 11 16 00-1237 EA 1/2" x 2-1/2" Long, Red Brass Pipe Nipple.....	16.21	
22 11 16 00-1238 EA 1/2" x 3" Long, Red Brass Pipe Nipple.....	18.78	
22 11 16 00-1239 EA 1/2" x 3-1/2" Long, Red Brass Pipe Nipple.....	22.16	
22 11 16 00-1240 EA 1/2" x 4" Long, Red Brass Pipe Nipple.....	24.85	
22 11 16 00-1241 EA 1/2" x 4-1/2" Long, Red Brass Pipe Nipple.....	27.29	
22 11 16 00-1242 EA 1/2" x 5" Long, Red Brass Pipe Nipple.....	29.86	
22 11 16 00-1243 EA 1/2" x 5-1/2" Long, Red Brass Pipe Nipple.....	32.68	
22 11 16 00-1244 EA 1/2" x 6" Long, Red Brass Pipe Nipple.....	35.18	
<b>22 11 16 00-1245 3/4" Red Brass Pipe Nipples</b> (22 11 16 00-1063)		
Note: Threaded both ends.		
22 11 16 00-1246 EA 3/4" x Close, Red Brass Pipe Nipple.....	13.90	
22 11 16 00-1247 EA 3/4" x 1-1/2" Long, Red Brass Pipe Nipple.....	14.65	
22 11 16 00-1248 EA 3/4" x 2" Long, Red Brass Pipe Nipple.....	17.72	
22 11 16 00-1249 EA 3/4" x 2-1/2" Long, Red Brass Pipe Nipple.....	20.85	
22 11 16 00-1250 EA 3/4" x 3" Long, Red Brass Pipe Nipple.....	23.66	
22 11 16 00-1251 EA 3/4" x 3-1/2" Long, Red Brass Pipe Nipple.....	27.17	
22 11 16 00-1252 EA 3/4" x 4" Long, Red Brass Pipe Nipple.....	30.55	
22 11 16 00-1253 EA 3/4" x 4-1/2" Long, Red Brass Pipe Nipple.....	34.30	
22 11 16 00-1254 EA 3/4" x 5" Long, Red Brass Pipe Nipple.....	37.44	
22 11 16 00-1255 EA 3/4" x 5-1/2" Long, Red Brass Pipe Nipple.....	43.13	
22 11 16 00-1256 EA 3/4" x 6" Long, Red Brass Pipe Nipple.....	45.32	
<b>22 11 16 00-1257 1" Red Brass Pipe Nipples</b> (22 11 16 00-1063)		
Note: Threaded both ends.		
22 11 16 00-1258 EA 1" x Close, Red Brass Pipe Nipple.....	21.16	
22 11 16 00-1259 EA 1" x 1-1/2" Long, Red Brass Pipe Nipple.....	23.28	
22 11 16 00-1260 EA 1" x 2" Long, Red Brass Pipe Nipple.....	25.42	
22 11 16 00-1261 EA 1" x 2-1/2" Long, Red Brass Pipe Nipple.....	30.24	
22 11 16 00-1262 EA 1" x 3" Long, Red Brass Pipe Nipple.....	34.18	
22 11 16 00-1263 EA 1" x 3-1/2" Long, Red Brass Pipe Nipple.....	40.25	
22 11 16 00-1264 EA 1" x 4" Long, Red Brass Pipe Nipple.....	45.07	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 11 16 00-1265	EA	1" x 4-1/2" Long, Red Brass Pipe Nipple .....	49.83
22 11 16 00-1266	EA	1" x 5" Long, Red Brass Pipe Nipple.....	54.71
22 11 16 00-1267	EA	1" x 5-1/2" Long, Red Brass Pipe Nipple .....	59.85
22 11 16 00-1268	EA	1" x 6" Long, Red Brass Pipe Nipple.....	64.60
<b>22 11 16 00-1269</b>		<b>1-1/4" Red Brass Pipe Nipples</b> (22 11 16 00-1063)	
		Note: Threaded both ends.	
22 11 16 00-1270	EA	1-1/4" x Close, Red Brass Pipe Nipple.....	31.30
22 11 16 00-1271	EA	1-1/4" x 1-1/2" Long, Red Brass Pipe Nipple .....	33.35
22 11 16 00-1272	EA	1-1/4" x 2" Long, Red Brass Pipe Nipple .....	35.87
22 11 16 00-1273	EA	1-1/4" x 2-1/2" Long, Red Brass Pipe Nipple .....	43.19
22 11 16 00-1274	EA	1-1/4" x 3" Long, Red Brass Pipe Nipple .....	50.45
22 11 16 00-1275	EA	1-1/4" x 3-1/2" Long, Red Brass Pipe Nipple .....	59.22
22 11 16 00-1276	EA	1-1/4" x 4" Long, Red Brass Pipe Nipple .....	66.48
22 11 16 00-1277	EA	1-1/4" x 4-1/2" Long, Red Brass Pipe Nipple .....	73.74
22 11 16 00-1278	EA	1-1/4" x 5" Long, Red Brass Pipe Nipple .....	81.07
22 11 16 00-1279	EA	1-1/4" x 5-1/2" Long, Red Brass Pipe Nipple .....	88.70
22 11 16 00-1280	EA	1-1/4" x 6" Long, Red Brass Pipe Nipple .....	95.96
<b>22 11 16 00-1281</b>		<b>1-1/2" Red Brass Pipe Nipples</b> (22 11 16 00-1063)	
		Note: Threaded both ends.	
22 11 16 00-1282	EA	1-1/2" x Close, Red Brass Pipe Nipple.....	38.94
22 11 16 00-1283	EA	1-1/2" x 1-1/2" Long, Red Brass Pipe Nipple .....	40.63
22 11 16 00-1284	EA	1-1/2" x 2" Long, Red Brass Pipe Nipple .....	42.32
22 11 16 00-1285	EA	1-1/2" x 2-1/2" Long, Red Brass Pipe Nipple .....	51.46
22 11 16 00-1286	EA	1-1/2" x 3" Long, Red Brass Pipe Nipple .....	58.34
22 11 16 00-1287	EA	1-1/2" x 3-1/2" Long, Red Brass Pipe Nipple .....	68.61
22 11 16 00-1288	EA	1-1/2" x 4" Long, Red Brass Pipe Nipple .....	77.25
22 11 16 00-1289	EA	1-1/2" x 4-1/2" Long, Red Brass Pipe Nipple .....	86.20
22 11 16 00-1290	EA	1-1/2" x 5" Long, Red Brass Pipe Nipple .....	94.84
22 11 16 00-1291	EA	1-1/2" x 5-1/2" Long, Red Brass Pipe Nipple .....	103.29
22 11 16 00-1292	EA	1-1/2" x 6" Long, Red Brass Pipe Nipple .....	111.74
<b>22 11 16 00-1293</b>		<b>2" Red Brass Pipe Nipples</b> (22 11 16 00-1063)	
		Note: Threaded both ends.	
22 11 16 00-1294	EA	2" x Close, Red Brass Pipe Nipple.....	59.85
22 11 16 00-1295	EA	2" x 1-1/2" Long, Red Brass Pipe Nipple .....	61.94
22 11 16 00-1296	EA	2" x 2" Long, Red Brass Pipe Nipple.....	64.01
22 11 16 00-1297	EA	2" x 2-1/2" Long, Red Brass Pipe Nipple .....	66.11
22 11 16 00-1298	EA	2" x 3" Long, Red Brass Pipe Nipple.....	74.87
22 11 16 00-1299	EA	2" x 3-1/2" Long, Red Brass Pipe Nipple .....	88.27
22 11 16 00-1300	EA	2" x 4" Long, Red Brass Pipe Nipple.....	99.16
22 11 16 00-1301	EA	2" x 4-1/2" Long, Red Brass Pipe Nipple .....	110.05
22 11 16 00-1302	EA	2" x 5" Long, Red Brass Pipe Nipple.....	119.88
22 11 16 00-1303	EA	2" x 5-1/2" Long, Red Brass Pipe Nipple .....	132.21
22 11 16 00-1304	EA	2" x 6" Long, Red Brass Pipe Nipple.....	143.04
<b>22 11 16 00-1305</b>		<b>Cross-Linked Polyethylene Tubing, ASTM F877</b> (22 11 16)	
		Note: Aboveground, domestic water usage.	
<b>22 11 16 00-1306</b>		<b>Cross-Linked Polyethylene Tubing</b> (22 11 16 00-1305)	
22 11 16 00-1307	LF	3/8" Cross-Linked Polyethylene Tubing .....	4.41
		For Work In Restricted Working Space, Add .....	0.92
22 11 16 00-1308	LF	1/2" Cross-Linked Polyethylene Tubing .....	4.82
		For Work In Restricted Working Space, Add .....	0.99
22 11 16 00-1309	LF	3/4" Cross-Linked Polyethylene Tubing .....	6.34
		For Work In Restricted Working Space, Add .....	1.08
22 11 16 00-1310	LF	1" Cross-Linked Polyethylene Tubing .....	8.51
		For Work In Restricted Working Space, Add .....	1.14
<b>22 11 16 00-1311</b>		<b>Cross-Linked Polyethylene Forged Brass PEX Fittings</b> (22 11 16 00-1305)	
		Note: Aboveground, domestic water usage.	
<b>22 11 16 00-1312</b>		<b>Male Adapters</b> (22 11 16 00-1311)	
22 11 16 00-1313	EA	3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	21.29
		For Work In Restricted Working Space, Add .....	4.77
22 11 16 00-1314	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	22.99
		For Work In Restricted Working Space, Add .....	5.09
22 11 16 00-1315	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	25.30
		For Work In Restricted Working Space, Add .....	5.41
22 11 16 00-1316	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	26.36
		For Work In Restricted Working Space, Add .....	5.72
22 11 16 00-1317	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	25.30
		For Work In Restricted Working Space, Add .....	5.41
22 11 16 00-1318	EA	1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	34.03
		For Work In Restricted Working Space, Add .....	6.36



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 16 00-1319</b>				<b>Female Adapters</b> <small>(22 11 16 00-1311)</small>		
			EA	1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing.....	23.62	
				<i>For Work In Restricted Working Space, Add</i>	5.09	
			EA	1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing.....	27.03	
				<i>For Work In Restricted Working Space, Add</i>	5.41	
			EA	3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing.....	28.09	
				<i>For Work In Restricted Working Space, Add</i>	5.72	
			EA	3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing.....	27.03	
				<i>For Work In Restricted Working Space, Add</i>	5.41	
			EA	1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing.....	34.82	
				<i>For Work In Restricted Working Space, Add</i>	6.36	
<b>22 11 16 00-1325</b>				<b>Tube Adapters</b> <small>(22 11 16 00-1311)</small>		
			EA	3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing.....	18.73	
				<i>For Work In Restricted Working Space, Add</i>	4.77	
			EA	1/2" Forged Brass Tube Adapter For PEX Tubing.....	19.80	
				<i>For Work In Restricted Working Space, Add</i>	5.09	
			EA	3/4" Forged Brass Tube Adapter For PEX Tubing.....	24.31	
				<i>For Work In Restricted Working Space, Add</i>	5.72	
			EA	1" Forged Brass Tube Adapter For PEX Tubing.....	32.42	
				<i>For Work In Restricted Working Space, Add</i>	6.36	
<b>22 11 16 00-1330</b>				<b>Plugs</b> <small>(22 11 16 00-1311)</small>		
			EA	3/8" Forged Brass Plug For PEX Tubing.....	9.63	
				<i>For Work In Restricted Working Space, Add</i>	2.23	
			EA	1/2" Forged Brass Plug For PEX Tubing.....	10.68	
				<i>For Work In Restricted Working Space, Add</i>	2.54	
			EA	3/4" Forged Brass Plug For PEX Tubing.....	12.37	
				<i>For Work In Restricted Working Space, Add</i>	2.86	
			EA	1" Forged Brass Plug For PEX Tubing.....	15.83	
				<i>For Work In Restricted Working Space, Add</i>	3.18	
<b>22 11 16 00-1335</b>				<b>Tees</b> <small>(22 11 16 00-1311)</small>		
			EA	3/8" Forged Brass Tee For PEX Tubing.....	26.87	
				<i>For Work In Restricted Working Space, Add</i>	6.68	
			EA	1/2" Forged Brass Tee For PEX Tubing.....	30.05	
				<i>For Work In Restricted Working Space, Add</i>	7.64	
			EA	3/4" Forged Brass Tee For PEX Tubing.....	36.37	
				<i>For Work In Restricted Working Space, Add</i>	8.59	
			EA	1" Forged Brass Tee For PEX Tubing.....	48.41	
				<i>For Work In Restricted Working Space, Add</i>	9.54	
			EA	1/2" Forged Brass Reducing Tee For PEX Tubing.....	28.98	
				<i>For Work In Restricted Working Space, Add</i>	7.31	
			EA	3/4" Forged Brass Reducing Tee For PEX Tubing.....	34.26	
				<i>For Work In Restricted Working Space, Add</i>	7.95	
			EA	1" Forged Brass Reducing Tee For PEX Tubing.....	43.96	
				<i>For Work In Restricted Working Space, Add</i>	8.59	
<b>22 11 16 00-1343</b>				<b>Couplings</b> <small>(22 11 16 00-1311)</small>		
			EA	3/8" Forged Brass Coupling For PEX Tubing.....	17.20	
				<i>For Work In Restricted Working Space, Add</i>	4.45	
			EA	1/2" Forged Brass Coupling For PEX Tubing.....	19.49	
				<i>For Work In Restricted Working Space, Add</i>	5.09	
			EA	3/4" Forged Brass Coupling For PEX Tubing.....	22.38	
				<i>For Work In Restricted Working Space, Add</i>	5.72	
			EA	1" Forged Brass Coupling For PEX Tubing.....	28.17	
				<i>For Work In Restricted Working Space, Add</i>	6.36	
			EA	3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing.....	21.32	
				<i>For Work In Restricted Working Space, Add</i>	5.41	
			EA	1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing.....	27.10	
				<i>For Work In Restricted Working Space, Add</i>	6.04	
<b>22 11 16 00-1350</b>				<b>Fitting Reducers</b> <small>(22 11 16 00-1311)</small>		
			EA	3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing.....	19.20	
				<i>For Work In Restricted Working Space, Add</i>	4.77	
			EA	1/2" Forged Brass Fitting Reducer For PEX Tubing.....	20.27	
				<i>For Work In Restricted Working Space, Add</i>	5.09	
			EA	3/4" Forged Brass Fitting Reducer For PEX Tubing.....	25.26	
				<i>For Work In Restricted Working Space, Add</i>	5.72	
			EA	1" Forged Brass Fitting Reducer For PEX Tubing.....	37.81	
				<i>For Work In Restricted Working Space, Add</i>	6.36	
<b>22 11 16 00-1355</b>				<b>90 Degree Elbows</b> <small>(22 11 16 00-1311)</small>		
			EA	3/8" Forged Brass 90 Degree Elbow For PEX Tubing.....	18.62	
				<i>For Work In Restricted Working Space, Add</i>	4.45	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1357	EA		1/2" Forged Brass 90 Degree Elbow For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	20.75 5.09	
22 11 16 00-1358	EA		3/4" Forged Brass 90 Degree Elbow For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	25.26 5.72	
22 11 16 00-1359	EA		3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	24.20 5.41	
22 11 16 00-1360	EA		1/2" Drop 90 Degree Elbow For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	30.58 5.09	
22 11 16 00-1361	EA		3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	34.11 5.72	
22 11 16 00-1362	EA		3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	33.05 5.41	
<b>22 11 19 Domestic Water Piping Specialties (22 11)</b>					
22 11 19 00-0001			<b>Rubber Hose And Clamps (22 11 19)</b>		
22 11 19 00-0002			<b>General Purpose Hose (22 11 19 00-0001)</b> Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003	LF		3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	6.66	2.11
22 11 19 00-0004	LF		1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	7.80	2.11
22 11 19 00-0005	LF		5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	9.48	2.11
22 11 19 00-0006	LF		3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	9.56	2.11
22 11 19 00-0007	LF		1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	12.93	3.17
22 11 19 00-0008	LF		1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	21.16	3.17
22 11 19 00-0009	LF		1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	23.03	4.22
22 11 19 00-0010	LF		2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	43.75	4.22
22 11 19 00-0011			<b>Reinforced EPDM Water Hose Assembly (22 11 19 00-0001)</b> Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.		
22 11 19 00-0012	LF		1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	57.87	4.22
22 11 19 00-0013	LF		2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	68.23	4.22
22 11 19 00-0014	LF		3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	95.92	5.18
22 11 19 00-0015	LF		4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	134.61	7.01
22 11 19 00-0016			<b>Chemical Resistant Rubber Hoses (22 11 19 00-0001)</b>		
22 11 19 00-0017	EA		50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose.....	1,283.72	323.91
22 11 19 00-0018	EA		50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose.....	1,700.35	323.91
22 11 19 00-0019			<b>Water Pump Hose (22 11 19 00-0001)</b>		
22 11 19 00-0020	EA		2" Inside Diameter, 20' Rubber Discharge Hose.....	499.92	64.41
22 11 19 00-0021	EA		2" Inside Diameter, 20' Rubber Intake Hose.....	528.63	64.41
22 11 19 00-0022			<b>Barbed Hose x Threaded Male Pipe, Steel Coupling (22 11 19 00-0001)</b>		
22 11 19 00-0023	EA		3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling.....	26.28	8.85
22 11 19 00-0024	EA		1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling.....	27.88	9.49
22 11 19 00-0025	EA		5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling.....	29.86	10.12
22 11 19 00-0026	EA		3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling.....	34.25	11.38
22 11 19 00-0027	EA		1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling.....	40.62	13.92
22 11 19 00-0028	EA		1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling.....	48.12	16.65
22 11 19 00-0029	EA		1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling.....	62.02	21.92
22 11 19 00-0030	EA		2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling.....	78.08	27.40
22 11 19 00-0031			<b>Worm-Drive Hose Clamp (22 11 19 00-0001)</b>		
22 11 19 00-0032	EA		3/8" To 1" Diameter Worm Drive Hose Clamp.....	11.01	3.17
22 11 19 00-0033	EA		1/2" To 1-1/6" Diameter Worm Drive Hose Clamp.....	11.64	3.17
22 11 19 00-0034	EA		5/8" To 1-1/2" Diameter Worm Drive Hose Clamp.....	12.33	3.17
22 11 19 00-0035	EA		3/4" To 2" Diameter Worm Drive Hose Clamp.....	13.12	3.17
22 11 19 00-0036	EA		1" To 2-1/2" Diameter Worm Drive Hose Clamp.....	14.03	3.17
22 11 19 00-0037	EA		1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp.....	15.18	4.22
22 11 19 00-0038	EA		1-1/2" To 3" Diameter Worm Drive Hose Clamp.....	16.39	4.22
22 11 19 00-0039			<b>Trap Primer And Accessories (22 11 19)</b>		
22 11 19 00-0040			<b>Trap Primer (22 11 19 00-0039)</b>		
22 11 19 00-0041	EA		1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699).....	284.53	15.90
22 11 19 00-0042	EA		1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500).....	174.33	10.60
22 11 19 00-0043	EA		1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500).....	168.76	10.60
22 11 19 00-0044			<b>Trap Primer Distribution Unit (22 11 19 00-0039)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0045 EA Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U).....	143.58	21.21
Note: Can be used for two, three or four drains.		
22 11 19 00-0046 EA Copper Four Opening Trap Primer Distribution Unit (PPP DU-4).....	158.58	21.21
Note: Can be used for two, three or four drains.		
<b>22 11 19 00-0047 Trap Primer Manifold (22 11 19 00-0039)</b>		
22 11 19 00-0048 EA Two Outlet Trap Primer Manifold.....	228.05	28.52
22 11 19 00-0049 EA Four Outlet Trap Primer Manifold.....	346.35	32.44
22 11 19 00-0050 EA Six Outlet Trap Primer Manifold.....	462.10	34.35
22 11 19 00-0051 EA Eight Outlet Trap Primer Manifold.....	581.69	40.29
<b>22 11 19 00-0052 Sewage Air Release Valves (22 11 19)</b>		
<b>22 11 19 00-0053 Cast Iron, Sewage Air Release Valves (22 11 19 00-0052)</b>		
Note: Stainless steel float.		
22 11 19 00-0054 EA 2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400).....	946.76	38.72
For Back Flush Attachment, Add		
	650.00	
22 11 19 00-0055 EA 3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400).....	1,159.15	64.70
For Back Flush Attachment, Add		
	650.00	
22 11 19 00-0056 EA 4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400).....	1,469.94	81.68
For Back Flush Attachment, Add		
	650.00	
<b>22 11 19 00-0057 Cast Iron, Sewage Air Vacuum Valves (22 11 19 00-0052)</b>		
Note: Stainless steel float.		
22 11 19 00-0058 EA 2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401).....	967.46	38.72
For Back Flush Attachment, Add		
	650.00	
22 11 19 00-0059 EA 2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402).....	1,904.06	38.72
For Back Flush Attachment, Add		
	650.00	
22 11 19 00-0060 EA 3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403).....	2,282.03	64.70
For Back Flush Attachment, Add		
	650.00	
22 11 19 00-0061 EA 4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404).....	3,381.95	81.68
<b>22 11 19 00-0062 Cast Iron, Sewage Combination Air Valves (22 11 19 00-0052)</b>		
Note: Stainless steel float.		
22 11 19 00-0063 EA 2" x 1" NPT, Sewage Combination Air Valve (Apco 443).....	2,074.83	38.72
22 11 19 00-0064 EA 2" x 2" NPT, Sewage Combination Air Valve (Apco 445).....	2,863.95	38.72
22 11 19 00-0065 EA 3" x 3" NPT, Sewage Combination Air Valve (Apco 447).....	3,348.00	64.70
22 11 19 00-0066 EA 4" x 4" NPT, Sewage Combination Air Valve (Apco 449).....	4,093.46	81.68
<b>22 11 19 00-0067 Brass, Anti Siphon Vacuum Breakers (22 11 19)</b>		
Note: Watts 288A		
22 11 19 00-0068 EA 1/2" Brass, Anti Siphon Vacuum Breaker.....	100.48	26.51
22 11 19 00-0069 EA 3/4" Brass, Anti Siphon Vacuum Breaker.....	115.56	29.68
22 11 19 00-0070 EA 1" Brass, Anti Siphon Vacuum Breaker.....	240.18	33.92
22 11 19 00-0071 EA 1-1/4" Brass, Anti Siphon Vacuum Breaker.....	383.90	39.23
22 11 19 00-0072 EA 1-1/2" Brass, Anti Siphon Vacuum Breaker.....	458.67	43.46
22 11 19 00-0073 EA 2" Brass, Anti Siphon Vacuum Breaker.....	672.76	53.02
22 11 19 00-0074 EA 2-1/2" Brass, Anti Siphon Vacuum Breaker.....	1,773.32	66.27
<b>22 11 19 00-0075 Anti Siphon Pressure Vacuum Breakers (22 11 19)</b>		
Note: Watts 800M4QT		
22 11 19 00-0076 EA 1/2" Anti Siphon Pressure Type Vacuum Breaker.....	301.52	26.51
22 11 19 00-0077 EA 3/4" Anti Siphon Pressure Type Vacuum Breaker.....	262.80	29.68
22 11 19 00-0078 EA 1" Anti Siphon Pressure Type Vacuum Breaker.....	376.92	33.92
22 11 19 00-0079 EA 1-1/4" Anti Siphon Pressure Type Vacuum Breaker.....	684.73	39.23
22 11 19 00-0080 EA 1-1/2" Anti Siphon Pressure Type Vacuum Breaker.....	834.09	43.46
22 11 19 00-0081 EA 2" Anti Siphon Pressure Type Vacuum Breaker.....	840.92	53.02
<b>22 11 19 00-0082 Bellows Type Water Hammer Arrestors (22 11 19)</b>		
22 11 19 00-0083 EA Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005).....	277.81	12.68
22 11 19 00-0084 EA >11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010).....	544.42	15.34
22 11 19 00-0085 EA >32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020).....	799.09	15.34
22 11 19 00-0086 EA >60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030).....	1,957.19	15.34
22 11 19 00-0087 EA >113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040).....	2,205.25	15.34
22 11 19 00-0088 EA >154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050).....	2,702.84	15.34
<b>22 11 19 00-0089 Piston Type Water Hammer Arrestors (22 11 19)</b>		

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0090			<b>Threaded Piston Type Water Hammer Arrestors</b> (22 11 19 00-0089)		
22 11 19 00-0091	EA		Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A).....	167.84	7.07
22 11 19 00-0092	EA		>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B).....	323.71	8.15
22 11 19 00-0093	EA		>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C).....	481.90	8.84
22 11 19 00-0094	EA		>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D).....	1,188.04	11.40
22 11 19 00-0095	EA		>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E).....	1,446.92	14.14
22 11 19 00-0096	EA		>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F).....	1,646.66	15.34
22 11 19 00-0097			<b>Escutcheons</b> (22 11 19)		
22 11 19 00-0098			<b>Brass Escutcheons</b> (22 11 19 00-0097)		
22 11 19 00-0099			<b>Shallow Brass Escutcheons</b> (22 11 19 00-0098)		
22 11 19 00-0100	EA		3/8" IPS, Antique Or Polished Brass Shallow Escutcheon.....	12.59	2.65
22 11 19 00-0101	EA		1/2" IPS, Antique Or Polished Brass Shallow Escutcheon.....	13.62	2.65
22 11 19 00-0102			<b>Deep Bell Brass Escutcheons</b> (22 11 19 00-0098)		
22 11 19 00-0103	EA		3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	14.95	2.97
22 11 19 00-0104	EA		1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	14.99	2.97
22 11 19 00-0105			<b>Chrome Plated Brass Escutcheons With Setscrew</b> (22 11 19 00-0098)		
22 11 19 00-0106	EA		3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	23.81	2.65
22 11 19 00-0107	EA		1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	24.08	2.65
22 11 19 00-0108	EA		5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	24.47	2.65
22 11 19 00-0109	EA		3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	25.91	2.65
22 11 19 00-0110	EA		7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	26.25	3.18
22 11 19 00-0111	EA		1" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	27.64	3.18
22 11 19 00-0112	EA		1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	28.57	3.50
22 11 19 00-0113	EA		1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	29.83	3.71
22 11 19 00-0114	EA		2" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	43.37	4.24
22 11 19 00-0115			<b>Plastic Escutcheons</b> (22 11 19 00-0097)		
22 11 19 00-0116			<b>Split-Ring White Plastic Escutcheons</b> (22 11 19 00-0115)		
22 11 19 00-0117	EA		3/8" IPS, Split-Ring White Plastic Escutcheon.....	6.26	2.63
22 11 19 00-0118	EA		1/2" IPS, Split-Ring White Plastic Escutcheon.....	6.26	2.63
22 11 19 00-0119	EA		3/4" IPS, Split-Ring White Plastic Escutcheon.....	7.24	2.95
22 11 19 00-0120	EA		1" IPS, Split-Ring White Plastic Escutcheon.....	7.85	3.17
22 11 19 00-0121	EA		1-1/4" IPS, Split-Ring White Plastic Escutcheon.....	8.46	3.48
22 11 19 00-0122	EA		1-1/2" IPS, Split-Ring White Plastic Escutcheon.....	9.05	3.69
22 11 19 00-0123	EA		2" IPS, Split-Ring White Plastic Escutcheon.....	10.22	4.22
22 11 19 00-0124	EA		2-1/2" IPS, Split-Ring White Plastic Escutcheon.....	12.80	4.53
22 11 19 00-0125	EA		3" IPS, Split-Ring White Plastic Escutcheon.....	15.39	4.74
22 11 19 00-0126	EA		4" IPS, Split-Ring White Plastic Escutcheon.....	18.49	5.28
22 11 19 00-0127			<b>Chrome Plate Plastic Escutcheons</b> (22 11 19 00-0115)		
22 11 19 00-0128	EA		1/2" IPS, Chrome Plate Plastic Escutcheon.....	7.94	2.63
22 11 19 00-0129	EA		3/4" IPS, Chrome Plate Plastic Escutcheon.....	8.68	2.95
22 11 19 00-0130	EA		1" IPS, Chrome Plate Plastic Escutcheon.....	9.70	3.17
22 11 19 00-0131	EA		1-1/4" IPS, Chrome Plate Plastic Escutcheon.....	10.74	3.48
22 11 19 00-0132	EA		1-1/2" IPS, Chrome Plate Plastic Escutcheon.....	11.34	3.69
22 11 19 00-0133	EA		2" IPS, Chrome Plate Plastic Escutcheon.....	14.12	4.22
22 11 19 00-0134	EA		2-1/2" IPS, Chrome Plate Plastic Escutcheon.....	19.83	4.53
22 11 19 00-0135	EA		3" IPS, Chrome Plate Plastic Escutcheon.....	20.58	4.74
22 11 19 00-0136	EA		4" IPS, Chrome Plate Plastic Escutcheon.....	22.06	5.28
22 11 19 00-0137			<b>Stainless Steel Escutcheons</b> (22 11 19 00-0097)		
22 11 19 00-0138			<b>Shallow Stainless Steel Escutcheons</b> (22 11 19 00-0137)		
22 11 19 00-0139	EA		3/8" IPS, Shallow Stainless Steel Escutcheon.....	17.08	2.65
22 11 19 00-0140	EA		1/2" IPS, Shallow Stainless Steel Escutcheon.....	17.08	2.65
22 11 19 00-0141	EA		3/4" IPS, Shallow Stainless Steel Escutcheon.....	24.47	2.97
22 11 19 00-0142			<b>Chrome Plated Steel Escutcheons</b> (22 11 19 00-0097)		
22 11 19 00-0143			<b>Split-Ring Chrome Plated Steel Escutcheons</b> (22 11 19 00-0142)		
22 11 19 00-0144	EA		1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	6.10	2.63
22 11 19 00-0145	EA		3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	6.62	2.95





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0146	EA		1" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	7.29	3.17
22 11 19 00-0147	EA		1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	7.82	3.48
22 11 19 00-0148	EA		1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	8.35	3.69
22 11 19 00-0149	EA		2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	9.64	4.22
22 11 19 00-0150	EA		2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	15.65	4.53
22 11 19 00-0151	EA		3" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	16.63	4.74
22 11 19 00-0152	EA		3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	20.98	5.06
22 11 19 00-0153	EA		4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	18.08	5.28
22 11 19 00-0154	EA		5" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	23.91	5.80
22 11 19 00-0155	EA		6" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	28.15	6.32
<b>22 11 19 00-0156</b>			<b>Split-Ring/Springs Chrome Plated Steel Escutcheons</b> <small>(22 11 19 00-0142)</small>		
22 11 19 00-0157	EA		3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	10.69	2.63
22 11 19 00-0158	EA		1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	10.69	2.63
22 11 19 00-0159	EA		3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	11.38	2.95
22 11 19 00-0160	EA		1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	11.25	3.17
22 11 19 00-0161	EA		1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	13.62	3.48
22 11 19 00-0162	EA		1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	14.38	3.69
22 11 19 00-0163	EA		2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	17.14	4.22
22 11 19 00-0164	EA		2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	19.95	4.53
22 11 19 00-0165	EA		3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	24.80	4.74
22 11 19 00-0166	EA		3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	30.97	5.06
22 11 19 00-0167	EA		4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	31.32	5.28
22 11 19 00-0168	EA		5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	53.44	5.80
22 11 19 00-0169	EA		6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	55.63	6.32
<b>22 11 19 00-0170</b>			<b>Deep Bell Chrome Plated Steel Escutcheons</b> <small>(22 11 19 00-0142)</small>		
22 11 19 00-0171	EA		3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	7.59	2.97
22 11 19 00-0172	EA		1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	7.45	2.97
22 11 19 00-0173	EA		3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	7.17	2.97
22 11 19 00-0174	EA		1" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	8.07	3.18
22 11 19 00-0175	EA		1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon .....	8.77	3.50
22 11 19 00-0176	EA		1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon .....	9.71	3.71
<b>22 11 19 00-0177</b>			<b>Shallow Chrome Plated Steel Escutcheons</b> <small>(22 11 19 00-0142)</small>		
22 11 19 00-0178	EA		3/8" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.64	2.65
22 11 19 00-0179	EA		1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.64	2.65
22 11 19 00-0180	EA		3/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.77	2.65
22 11 19 00-0181	EA		1" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.26	3.18
22 11 19 00-0182	EA		1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon .....	7.86	3.50
22 11 19 00-0183	EA		1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon .....	8.78	3.71
22 11 19 00-0184	EA		2" IPS, Shallow Chrome Plated Steel Escutcheon.....	9.93	4.24
<b>22 11 19 00-0185</b>			<b>Wall Hydrants</b> <small>(22 11 19)</small>		
Note: Female inlet connection, 3/4" hose thread outlet.					
<b>22 11 19 00-0186</b>			<b>Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker</b>		
<b>Wall Hydrants</b> <small>(22 11 19 00-0185)</small>					
Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.					
22 11 19 00-0187	EA		6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	842.96	26.51
			For Cast Bronze Box, Add	43.74	
			For 1" NPT Outlet, Add	103.08	
22 11 19 00-0188	EA		12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	886.40	31.81
			For Cast Bronze Box, Add	43.74	
			For 1" NPT Outlet, Add	103.08	
22 11 19 00-0189	EA		18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	908.11	38.28
			For Cast Bronze Box, Add	43.74	
			For 1" NPT Outlet, Add	103.08	
<b>22 11 19 00-0190</b>			<b>Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants</b>		
<small>(22 11 19 00-0185)</small>					
Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.					
22 11 19 00-0191	EA		Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant .....	834.41	44.53
			For Cast Bronze Box, Add	43.74	
			For 1" NPT Outlet, Add	103.08	
<b>22 11 19 00-0192</b>			<b>Cast Bronze Non-Freezing Wall Hydrant</b> <small>(22 11 19 00-0185)</small>		
Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.					
22 11 19 00-0193	EA		3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant .....	444.46	32.87
			For 1" NPT Outlet, Add	103.08	
22 11 19 00-0194	EA		4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant .....	555.20	32.87
			For 1" NPT Outlet, Add	103.08	
22 11 19 00-0195	EA		6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant .....	555.20	32.87
			For 1" NPT Outlet, Add	103.08	
22 11 19 00-0196	EA		8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant .....	555.20	32.87
			For 1" NPT Outlet, Add	103.08	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0197	EA		10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant ..... <i>For 1" NPT Outlet, Add</i>	580.97 103.08	66.27
22 11 19 00-0198	EA		12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant ..... <i>For 1" NPT Outlet, Add</i>	580.97 103.08	66.27
22 11 19 00-0199	EA		18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant ..... <i>For 1" NPT Outlet, Add</i>	658.06 103.08	66.27
<b>22 11 19 00-0200</b>			<b>Stainless Steel Box Type Wall Hydrants</b> (22 11 19 00-0185) Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0201	EA		Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140).....	413.24	26.51
22 11 19 00-0202	EA		Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141) .....	451.88	26.51
22 11 19 00-0203	EA		Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150) .....	457.15	26.51
22 11 19 00-0204	EA		Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151) .....	515.10	26.51
22 11 19 00-0205	EA		Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145)..... Note: Includes hot and cold hose connections.	727.70	37.11
22 11 19 00-0206	EA		Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146) .....	750.53	37.11
22 11 19 00-0207	EA		Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155) .....	750.53	37.11
22 11 19 00-0208	EA		Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156) .....	804.97	37.11
<b>22 11 19 00-0209</b>			<b>Washer Boxes And Dryer Outlets</b> (22 11 19)		
<b>22 11 19 00-0210</b>			<b>Dryer Vent Kit</b> (22 11 19 00-0209) Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0211	EA		Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps .....	71.94	13.78
<b>22 11 19 00-0212</b>			<b>Washer Boxes And Dryer Vents</b> (22 11 19 00-0209) Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0213	EA		2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves .....	255.62	21.21
<b>22 11 19 00-0214</b>			<b>Ice Maker Outlet Box</b> (22 11 19) Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0215	EA		Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	136.01	21.21
22 11 19 00-0216	EA		Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount.....	138.39	21.21
22 11 19 00-0217	EA		Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	200.47	21.21
<b>22 11 19 00-0218</b>			<b>Tempering Controllers For Potable Hot Water</b> (22 11 19)		
<b>22 11 19 00-0219</b>			<b>Point-Of-Use Thermostatic Mixing Valves (Bradley)</b> (22 11 19 00-0218) Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0220	EA		1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007) .....	530.48	25.67
22 11 19 00-0221	EA		1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004).....	133.89	25.67
22 11 19 00-0222	EA		1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008).....	297.54	25.67
22 11 19 00-0223	EA		3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016).....	339.49	34.58
<b>22 11 19 00-0224</b>			<b>Thermostatic Mixing Valves (Bradley)</b> (22 11 19 00-0218) Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0225	EA		3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025) .....	1,453.96	37.02
22 11 19 00-0226	EA		3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045) .....	1,630.34	45.59
22 11 19 00-0227	EA		1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080) .....	1,960.71	53.04
22 11 19 00-0228	EA		1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130) .....	2,546.99	55.74
22 11 19 00-0229	EA		2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200) .....	3,420.48	72.32
<b>22 11 19 00-0230</b>			<b>High Low Temperature Thermostatic Mixing Valves (Bradley)</b> (22 11 19 00-0218) Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0231	EA		3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045) .....	3,721.88	57.01
22 11 19 00-0232	EA		1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080) .....	4,847.45	66.29
22 11 19 00-0233	EA		1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130).....	5,656.45	69.68
22 11 19 00-0234	EA		2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200) .....	6,261.12	90.39
<b>22 11 19 00-0235</b>			<b>Thermostatic Mixing Valves (Leonard)</b> (22 11 19 00-0218) Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0236 EA	3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF)..... Note: For hot water or two pipe low pressure steam.	1,051.73	37.02
	22 11 19 00-0237 EA	1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF)..... Note: For hot water or two pipe low pressure steam.	1,237.45	45.59
	22 11 19 00-0238 EA	1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF)..... Note: For hot water or two pipe low pressure steam.	1,522.03	53.04
	22 11 19 00-0239 EA	1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF)..... Note: For hot water or two pipe low pressure steam.	1,864.58	55.76
	22 11 19 00-0240 EA	2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF)..... Note: For hot water or two pipe low pressure steam.	2,774.28	72.32
	<b>22 11 19 00-0241</b>	<b>Water Mixing/Self Operating Temperature Regulator</b> (22 11 19 00-0218) Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
	22 11 19 00-0242 EA	3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	3,123.27	53.02
	22 11 19 00-0243 EA	1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	3,303.79	66.80
	22 11 19 00-0244 EA	1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	3,634.93	80.58
	22 11 19 00-0245 EA	1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	3,997.85	94.36
	22 11 19 00-0246 EA	2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	4,761.04	124.05
	22 11 19 00-0247 EA	2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	5,631.26	141.48
	<b>22 11 19 00-0248</b>	<b>Thermostatic Mixing Valves (Holby)</b> (22 11 19 00-0218)		
	22 11 19 00-0249 EA	2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500).....	4,967.05	72.34
	<b>22 11 19 00-0250</b>	<b>Backflow Preventer Valves</b> (22 11 19)		
	<b>22 11 19 00-0251</b>	<b>Double Check Valve Backflow Preventer Assemblies</b> (22 11 19 00-0250)		
	<b>22 11 19 00-0252</b>	<b>Threaded Double Check Valve Assemblies</b> (22 11 19 00-0251)		
	<b>22 11 19 00-0253</b>	<b>Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> (22 11 19 00-0252) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
	22 11 19 00-0254 EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	426.45 21.31 -355.42	28.41
	22 11 19 00-0255 EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	501.95 30.22 -401.23	40.29
	22 11 19 00-0256 EA	1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	578.22 36.90 -455.23	49.20
	22 11 19 00-0257 EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	811.94 42.94 -668.81	57.25
	22 11 19 00-0258 EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,006.60 48.98 -843.32	65.73
	22 11 19 00-0259 EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,157.52 63.61 -945.48	84.81
	<b>22 11 19 00-0260</b>	<b>Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer</b> (22 11 19 00-0252) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
	22 11 19 00-0261 EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	528.15 21.31 -457.12	28.41
	22 11 19 00-0262 EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	650.91 30.22 -550.19	40.29
	22 11 19 00-0263 EA	1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	760.84 36.90 -637.85	49.20
	22 11 19 00-0264 EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,072.14 42.94 -929.01	57.25
	22 11 19 00-0265 EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,313.06 48.98 -1,149.78	65.73
	22 11 19 00-0266 EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,580.62 63.61 -1,368.58	84.81



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 11 19 00-0267	Flanged Double Check Valve Assemblies <sup>(22 11 19 00-0251)</sup>		
22 11 19 00-0268	Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <sup>(22 11 19 00-0267)</sup> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).		
22 11 19 00-0269	EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS) .....	5,822.18	234.33
	For Work In Restricted Working Space, Add	93.74	
	For Owner Furnished Material, Deduct	-5,509.73	
22 11 19 00-0270	EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS).....	6,396.88	263.63
	For Work In Restricted Working Space, Add	103.99	
	For Owner Furnished Material, Deduct	-6,050.26	
22 11 19 00-0271	Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <sup>(22 11 19 00-0267)</sup> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).		
22 11 19 00-0272	EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY) .....	6,382.21	234.33
	For Work In Restricted Working Space, Add	93.74	
	For Owner Furnished Material, Deduct	-6,069.76	
22 11 19 00-0273	EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY) .....	7,330.26	263.63
	For Work In Restricted Working Space, Add	103.99	
	For Owner Furnished Material, Deduct	-6,983.64	
22 11 19 00-0274	Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <sup>(22 11 19 00-0267)</sup> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).		
22 11 19 00-0275	EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) .....	5,862.56	234.33
	For Work In Restricted Working Space, Add	93.73	
	For Owner Furnished Material, Deduct	-5,550.13	
22 11 19 00-0276	EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) .....	4,460.97	263.63
	For Work In Restricted Working Space, Add	103.99	
	For Owner Furnished Material, Deduct	-4,114.33	
22 11 19 00-0277	EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) .....	6,985.87	390.56
	For Work In Restricted Working Space, Add	156.14	
	For Owner Furnished Material, Deduct	-6,465.40	
22 11 19 00-0278	EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series).....	10,590.83	573.63
	For Work In Restricted Working Space, Add	310.87	
	For Owner Furnished Material, Deduct	-9,554.59	
22 11 19 00-0279	EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series).....	24,275.87	860.45
	For Work In Restricted Working Space, Add	466.38	
	For Owner Furnished Material, Deduct	-22,721.26	
22 11 19 00-0280	EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series).....	31,194.45	1,017.73
	For Work In Restricted Working Space, Add	555.13	
	For Owner Furnished Material, Deduct	-29,344.02	
22 11 19 00-0281	Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer <sup>(22 11 19 00-0267)</sup> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0282	EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	8,168.58	390.56
	For Work In Restricted Working Space, Add	156.13	
	For Owner Furnished Material, Deduct	-7,648.15	
22 11 19 00-0283	EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	13,563.04	573.63
	For Work In Restricted Working Space, Add	310.87	
	For Owner Furnished Material, Deduct	-12,526.80	
22 11 19 00-0284	EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	36,265.04	1,017.73
	For Work In Restricted Working Space, Add	555.13	
	For Owner Furnished Material, Deduct	-34,414.61	
22 11 19 00-0285	Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <sup>(22 11 19 00-0267)</sup> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).		
22 11 19 00-0286	EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	6,228.95	234.33
	For Work In Restricted Working Space, Add	93.73	
	For Owner Furnished Material, Deduct	-5,916.52	
22 11 19 00-0287	EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series).....	6,844.06	263.63
	For Work In Restricted Working Space, Add	103.99	
	For Owner Furnished Material, Deduct	-6,497.44	
22 11 19 00-0288	EA 4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) .....	7,414.91	390.56
	For Work In Restricted Working Space, Add	156.13	
	For Owner Furnished Material, Deduct	-6,894.48	
22 11 19 00-0289	EA 6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) .....	12,415.12	573.63
	For Work In Restricted Working Space, Add	310.87	
	For Owner Furnished Material, Deduct	-11,378.88	
22 11 19 00-0290	EA 8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) .....	25,790.67	860.45
	For Work In Restricted Working Space, Add	466.31	
	For Owner Furnished Material, Deduct	-24,236.31	
22 11 19 00-0291	EA 10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) .....	33,149.29	1,017.73
	For Work In Restricted Working Space, Add	555.13	
	For Owner Furnished Material, Deduct	-31,298.86	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 11 19 00-0292</b>	<b>Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0267)</small> <small>Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).</small>			
22 11 19 00-0293	EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	3,697.81	234.33	
	<i>For Work In Restricted Working Space, Add</i>	93.73		
	<i>For Owner Furnished Material, Deduct</i>	-3,385.38		
22 11 19 00-0294	EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	4,070.74	263.63	
	<i>For Work In Restricted Working Space, Add</i>	103.99		
	<i>For Owner Furnished Material, Deduct</i>	-3,724.12		
22 11 19 00-0295	EA 4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	4,583.28	390.56	
	<i>For Work In Restricted Working Space, Add</i>	156.13		
	<i>For Owner Furnished Material, Deduct</i>	-4,062.85		
22 11 19 00-0296	EA 6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	7,389.08	573.63	
	<i>For Work In Restricted Working Space, Add</i>	310.87		
	<i>For Owner Furnished Material, Deduct</i>	-6,352.84		
22 11 19 00-0297	EA 8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	14,114.46	860.45	
	<i>For Work In Restricted Working Space, Add</i>	466.31		
	<i>For Owner Furnished Material, Deduct</i>	-12,560.10		
22 11 19 00-0298	EA 10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	15,290.62	1,017.73	
	<i>For Work In Restricted Working Space, Add</i>	555.13		
	<i>For Owner Furnished Material, Deduct</i>	-13,440.19		

<b>22 11 19 00-0299</b>	<b>N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0267)</small> <small>Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).</small>			
22 11 19 00-0300	EA 2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	4,899.02	234.33	
	<i>For Work In Restricted Working Space, Add</i>	93.73		
	<i>For Owner Furnished Material, Deduct</i>	-4,586.59		
22 11 19 00-0301	EA 3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	5,271.94	263.63	
	<i>For Work In Restricted Working Space, Add</i>	103.99		
	<i>For Owner Furnished Material, Deduct</i>	-4,925.32		
22 11 19 00-0302	EA 4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series).....	6,590.54	390.56	
	<i>For Work In Restricted Working Space, Add</i>	156.13		
	<i>For Owner Furnished Material, Deduct</i>	-6,070.11		
22 11 19 00-0303	EA 6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	10,749.32	573.63	
	<i>For Work In Restricted Working Space, Add</i>	310.87		
	<i>For Owner Furnished Material, Deduct</i>	-9,713.08		
22 11 19 00-0304	EA 8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	19,094.67	860.45	
	<i>For Work In Restricted Working Space, Add</i>	466.31		
	<i>For Owner Furnished Material, Deduct</i>	-17,540.31		
22 11 19 00-0305	EA 10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	22,722.35	1,017.73	
	<i>For Work In Restricted Working Space, Add</i>	555.13		
	<i>For Owner Furnished Material, Deduct</i>	-20,871.92		

<b>22 11 19 00-0306</b>	<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves</b> <small>(22 11 19 00-0267)</small> <small>Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).</small>			
22 11 19 00-0307	EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	3,458.90	234.33	
	<i>For Work In Restricted Working Space, Add</i>	93.73		
	<i>For Owner Furnished Material, Deduct</i>	-3,146.47		
22 11 19 00-0308	EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	3,842.69	263.63	
	<i>For Work In Restricted Working Space, Add</i>	103.99		
	<i>For Owner Furnished Material, Deduct</i>	-3,496.07		
22 11 19 00-0309	EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	4,365.96	390.56	
	<i>For Work In Restricted Working Space, Add</i>	156.13		
	<i>For Owner Furnished Material, Deduct</i>	-3,845.53		
22 11 19 00-0310	EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	7,218.35	573.63	
	<i>For Work In Restricted Working Space, Add</i>	310.87		
	<i>For Owner Furnished Material, Deduct</i>	-6,182.11		
22 11 19 00-0311	EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	13,949.93	860.45	
	<i>For Work In Restricted Working Space, Add</i>	466.31		
	<i>For Owner Furnished Material, Deduct</i>	-12,395.57		
22 11 19 00-0312	EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	15,750.00	1,017.73	
	<i>For Work In Restricted Working Space, Add</i>	555.13		
	<i>For Owner Furnished Material, Deduct</i>	-13,899.57		

<b>22 11 19 00-0313</b>	<b>N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0267)</small> <small>Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).</small>			
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**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0314	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,559.38 93.73 -4,246.95	234.33
22 11 19 00-0315	EA		3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,932.30 103.99 -4,585.68	263.63
22 11 19 00-0316	EA		4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,251.32 156.13 -5,730.89	390.56
22 11 19 00-0317	EA		6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,388.01 310.87 -9,351.77	573.63
22 11 19 00-0318	EA		8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	18,547.80 466.31 -16,993.44	860.45
22 11 19 00-0319	EA		10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	22,173.88 555.13 -20,323.45	1,017.73
<b>22 11 19 00-0320</b>			<b>Double Check Valve Assemblies With Butterfly Shut-Off Valves</b> (22 11 19 00-0267) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0321	EA		2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,023.94 93.73 -3,711.51	234.33
22 11 19 00-0322	EA		3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,396.86 103.99 -4,050.24	263.63
22 11 19 00-0323	EA		4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,909.41 156.13 -4,388.98	390.56
22 11 19 00-0324	EA		6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,723.42 310.87 -6,687.18	573.63
22 11 19 00-0325	EA		8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	14,448.80 466.31 -12,894.44	860.45
<b>22 11 19 00-0326</b>			<b>N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs</b> (22 11 19 00-0267) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0327	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,225.15 93.73 -4,912.72	234.33
22 11 19 00-0328	EA		3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,598.07 103.99 -5,251.45	263.63
22 11 19 00-0329	EA		4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,916.66 156.13 -6,396.23	390.56
22 11 19 00-0330	EA		6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,083.73 310.87 -10,047.49	573.63
22 11 19 00-0331	EA		8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	14,448.80 466.31 -12,894.44	860.45
<b>22 11 19 00-0332</b>			<b>Grooved Double Check Valve Assemblies</b> (22 11 19 00-0251)		
<b>22 11 19 00-0333</b>			<b>Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> (22 11 19 00-0332) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0334	EA		2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,458.90 93.73 -3,146.47	124.98
22 11 19 00-0335	EA		3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,842.69 103.99 -3,496.07	138.65
<b>22 11 19 00-0336</b>			<b>N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> (22 11 19 00-0332) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0337	EA		2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,559.38 93.73 -4,246.95	124.98
22 11 19 00-0338	EA		3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,932.30 103.99 -4,585.68	138.65



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0339		Reduced Pressure Zone Backflow Preventer Assemblies <small>(22 11 19 00-0250)</small>		
22 11 19 00-0340		Threaded Reduced Pressure Zone Assemblies <small>(22 11 19 00-0339)</small>		
22 11 19 00-0341		Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0340)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0342	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	474.87 18.45 -413.38	24.59
22 11 19 00-0343	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	501.31 20.36 -433.45	27.14
22 11 19 00-0344	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	584.49 21.31 -513.46	28.41
22 11 19 00-0345	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	784.56 30.22 -683.84	40.29
22 11 19 00-0346	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	930.58 36.90 -807.59	49.20
22 11 19 00-0347	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,410.01 42.94 -1,266.88	57.25
22 11 19 00-0348	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,489.74 48.98 -1,326.46	65.73
22 11 19 00-0349	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,786.09 63.61 -1,574.05	84.81
22 11 19 00-0350		Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0340)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0351	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	524.91 18.45 -463.42	24.59
22 11 19 00-0352	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	554.05 20.36 -486.19	27.14
22 11 19 00-0353	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	656.77 21.31 -585.74	40.29
22 11 19 00-0354	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	898.14 30.22 -797.42	40.29
22 11 19 00-0355	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,072.61 36.90 -949.62	49.20
22 11 19 00-0356	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,603.69 42.94 -1,460.56	57.25
22 11 19 00-0357	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,763.07 48.98 -1,599.79	65.73
22 11 19 00-0358	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,121.44 63.61 -1,909.40	84.81
22 11 19 00-0359		Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0340)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0360	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	784.56 30.22 -683.84	40.29
22 11 19 00-0361	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	930.58 36.90 -807.59	49.20
22 11 19 00-0362	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,410.01 42.94 -1,266.88	57.25

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0363	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,489.74 48.98 -1,326.46	65.73
22 11 19 00-0364	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,786.09 63.61 -1,574.05	84.81
<b>22 11 19 00-0365</b>			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0340)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0366	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	898.14 30.22 -797.42	40.29
22 11 19 00-0367	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,072.61 36.90 -949.62	49.20
22 11 19 00-0368	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,603.69 42.94 -1,460.56	57.25
22 11 19 00-0369	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,763.07 48.98 -1,599.79	65.73
22 11 19 00-0370	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,121.44 63.61 -1,909.40	84.81
<b>22 11 19 00-0371</b>			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0340)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0372	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,628.19 30.22 -1,527.47	40.29
22 11 19 00-0373	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,926.90 36.90 -1,803.91	49.20
22 11 19 00-0374	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,969.21 42.94 -2,826.08	57.25
22 11 19 00-0375	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,209.22 48.98 -3,045.94	65.73
22 11 19 00-0376	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,720.85 63.61 -3,508.81	84.81
<b>22 11 19 00-0377</b>			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0340)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).		
22 11 19 00-0378	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,195.98 30.22 -2,095.26	40.29
22 11 19 00-0379	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,610.14 36.90 -2,487.15	49.20
22 11 19 00-0380	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,983.41 42.94 -3,840.28	57.25
22 11 19 00-0381	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,350.71 48.98 -4,187.43	65.73
22 11 19 00-0382	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,166.29 63.61 -4,954.25	84.81
22 11 19 00-0383			<b>Flanged Reduced Pressure Zone Assemblies</b> <small>(22 11 19 00-0339)</small>		
22 11 19 00-0384			<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0383)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).		





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0385	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	5,352.70	234.33
				<i>For Work In Restricted Working Space, Add</i>	93.74	
				<i>For Owner Furnished Material, Deduct</i>	-5,040.25	
	22 11 19 00-0386	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	6,031.88	263.63
				<i>For Work In Restricted Working Space, Add</i>	103.99	
				<i>For Owner Furnished Material, Deduct</i>	-5,685.26	
	<b>22 11 19 00-0387</b>			<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer</b> <small>(22 11 19 00-0383)</small>		
				Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).		
	22 11 19 00-0388	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	6,386.39	234.33
				<i>For Work In Restricted Working Space, Add</i>	93.74	
				<i>For Owner Furnished Material, Deduct</i>	-6,073.94	
	22 11 19 00-0389	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	7,232.74	263.63
				<i>For Work In Restricted Working Space, Add</i>	103.99	
				<i>For Owner Furnished Material, Deduct</i>	-6,886.12	
	<b>22 11 19 00-0390</b>			<b>Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0383)</small>		
				Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
	22 11 19 00-0391	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	5,748.35	234.33
				<i>For Work In Restricted Working Space, Add</i>	93.74	
				<i>For Owner Furnished Material, Deduct</i>	-5,435.90	
	22 11 19 00-0392	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	6,689.43	263.63
				<i>For Work In Restricted Working Space, Add</i>	103.99	
				<i>For Owner Furnished Material, Deduct</i>	-6,342.81	
	<b>22 11 19 00-0393</b>			<b>Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer</b> <small>(22 11 19 00-0383)</small>		
				Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		
	22 11 19 00-0394	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	6,386.39	234.33
				<i>For Work In Restricted Working Space, Add</i>	93.74	
				<i>For Owner Furnished Material, Deduct</i>	-6,073.94	
	22 11 19 00-0395	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	7,232.74	263.63
				<i>For Work In Restricted Working Space, Add</i>	103.99	
				<i>For Owner Furnished Material, Deduct</i>	-6,886.12	
	<b>22 11 19 00-0396</b>			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0383)</small>		
				Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
	22 11 19 00-0397	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	7,092.69	234.33
				<i>For Work In Restricted Working Space, Add</i>	93.74	
				<i>For Owner Furnished Material, Deduct</i>	-6,780.24	
	22 11 19 00-0398	EA		3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	8,209.30	263.63
				<i>For Work In Restricted Working Space, Add</i>	103.99	
				<i>For Owner Furnished Material, Deduct</i>	-7,862.68	
	<b>22 11 19 00-0399</b>			<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0383)</small>		
				Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
	22 11 19 00-0400	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	9,212.98	234.33
				<i>For Work In Restricted Working Space, Add</i>	93.73	
				<i>For Owner Furnished Material, Deduct</i>	-8,900.55	
	22 11 19 00-0401	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	10,467.55	263.63
				<i>For Work In Restricted Working Space, Add</i>	103.99	
				<i>For Owner Furnished Material, Deduct</i>	-10,120.91	
	22 11 19 00-0402	EA		4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	13,172.65	390.56
				<i>For Work In Restricted Working Space, Add</i>	156.14	
				<i>For Owner Furnished Material, Deduct</i>	-12,652.18	
	22 11 19 00-0403	EA		6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	19,834.03	573.63
				<i>For Work In Restricted Working Space, Add</i>	435.25	
				<i>For Owner Furnished Material, Deduct</i>	-18,383.20	
	22 11 19 00-0404	EA		8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	32,919.64	860.45
				<i>For Work In Restricted Working Space, Add</i>	652.88	
				<i>For Owner Furnished Material, Deduct</i>	-30,743.39	
	22 11 19 00-0405	EA		10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	42,569.36	1,017.73
				<i>For Work In Restricted Working Space, Add</i>	555.13	
				<i>For Owner Furnished Material, Deduct</i>	-40,718.93	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 11 19 00-0406	<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer</b> (22 11 19 00-0383)		
	Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).		
22 11 19 00-0407	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	9,930.43 234.33
		<i>For Work In Restricted Working Space, Add</i>	93.73
		<i>For Owner Furnished Material, Deduct</i>	-9,618.00
22 11 19 00-0408	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	11,222.59 263.63
		<i>For Work In Restricted Working Space, Add</i>	103.99
		<i>For Owner Furnished Material, Deduct</i>	-10,875.97
22 11 19 00-0409	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	14,330.28 390.56
		<i>For Work In Restricted Working Space, Add</i>	156.13
		<i>For Owner Furnished Material, Deduct</i>	-13,809.85
22 11 19 00-0410	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	21,598.47 573.63
		<i>For Work In Restricted Working Space, Add</i>	310.87
		<i>For Owner Furnished Material, Deduct</i>	-20,562.23
22 11 19 00-0411	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	34,987.97 860.45
		<i>For Work In Restricted Working Space, Add</i>	466.31
		<i>For Owner Furnished Material, Deduct</i>	-33,433.61
22 11 19 00-0412	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	47,508.58 1,017.73
		<i>For Work In Restricted Working Space, Add</i>	555.13
		<i>For Owner Furnished Material, Deduct</i>	-45,658.15
22 11 19 00-0413	<b>Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs</b> (22 11 19 00-0383)		
	Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).		
22 11 19 00-0414	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	9,803.65 234.33
		<i>For Work In Restricted Working Space, Add</i>	93.73
		<i>For Owner Furnished Material, Deduct</i>	-9,491.22
22 11 19 00-0415	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	11,144.60 263.63
		<i>For Work In Restricted Working Space, Add</i>	103.99
		<i>For Owner Furnished Material, Deduct</i>	-10,797.96
22 11 19 00-0416	EA	4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	14,014.09 390.56
		<i>For Work In Restricted Working Space, Add</i>	156.14
		<i>For Owner Furnished Material, Deduct</i>	-13,493.62
22 11 19 00-0417	EA	6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	20,646.05 573.63
		<i>For Work In Restricted Working Space, Add</i>	310.87
		<i>For Owner Furnished Material, Deduct</i>	-19,609.81
22 11 19 00-0418	EA	8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	34,348.26 860.45
		<i>For Work In Restricted Working Space, Add</i>	466.31
		<i>For Owner Furnished Material, Deduct</i>	-32,793.90
22 11 19 00-0419	EA	10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	45,282.43 1,017.73
		<i>For Work In Restricted Working Space, Add</i>	555.13
		<i>For Owner Furnished Material, Deduct</i>	-43,432.00
22 11 19 00-0420	<b>Double Check Detector Assemblies</b> (22 11 19 00-0250)		
22 11 19 00-0421	<b>Flanged Double Check Detector Assemblies With Meter</b> (22 11 19 00-0420)		
22 11 19 00-0422	<b>Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter</b> (22 11 19 00-0421)		
	Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0423	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	7,344.26 263.63
		<i>For Work In Restricted Working Space, Add</i>	103.99
		<i>For Owner Furnished Material, Deduct</i>	-6,997.64
22 11 19 00-0424	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	7,680.43 390.56
		<i>For Work In Restricted Working Space, Add</i>	156.13
		<i>For Owner Furnished Material, Deduct</i>	-7,160.00
22 11 19 00-0425	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	10,333.75 573.63
		<i>For Work In Restricted Working Space, Add</i>	310.87
		<i>For Owner Furnished Material, Deduct</i>	-9,297.51
22 11 19 00-0426	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	18,360.15 860.45
		<i>For Work In Restricted Working Space, Add</i>	466.31
		<i>For Owner Furnished Material, Deduct</i>	-16,805.79



<b>Plumbing</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>
<b>Facility Water Distribution</b>	<b>22 11</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0427 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series) .....	24,818.27	1,017.73
For Work In Restricted Working Space, Add	555.13	
For Owner Furnished Material, Deduct	-22,967.84	
<b>22 11 19 00-0428 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter</b> <small>(22 11 19 00-0421)</small>		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0429 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	5,496.54	234.33
For Work In Restricted Working Space, Add	93.74	
For Owner Furnished Material, Deduct	-5,184.09	
22 11 19 00-0430 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	5,869.10	263.63
For Work In Restricted Working Space, Add	103.99	
For Owner Furnished Material, Deduct	-5,522.48	
22 11 19 00-0431 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	6,389.65	390.56
For Work In Restricted Working Space, Add	156.13	
For Owner Furnished Material, Deduct	-5,869.22	
22 11 19 00-0432 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	8,657.36	573.63
For Work In Restricted Working Space, Add	310.87	
For Owner Furnished Material, Deduct	-7,621.12	
22 11 19 00-0433 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	15,330.22	860.45
For Work In Restricted Working Space, Add	466.31	
For Owner Furnished Material, Deduct	-13,775.86	
22 11 19 00-0434 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	18,076.55	1,017.73
For Work In Restricted Working Space, Add	555.13	
For Owner Furnished Material, Deduct	-16,226.12	
<b>22 11 19 00-0435 Double Check Detector Assembly With Butterfly Valves And Meter</b> <small>(22 11 19 00-0421)</small>		
Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0436 EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....	5,822.74	234.33
For Work In Restricted Working Space, Add	93.74	
For Owner Furnished Material, Deduct	-5,510.29	
22 11 19 00-0437 EA 3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....	6,195.29	263.63
For Work In Restricted Working Space, Add	103.99	
For Owner Furnished Material, Deduct	-5,848.67	
22 11 19 00-0438 EA 4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....	6,715.78	390.56
For Work In Restricted Working Space, Add	156.13	
For Owner Furnished Material, Deduct	-6,195.35	
22 11 19 00-0439 EA 6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....	8,991.71	573.63
For Work In Restricted Working Space, Add	310.87	
For Owner Furnished Material, Deduct	-7,955.47	
22 11 19 00-0440 EA 8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....	14,929.07	860.45
For Work In Restricted Working Space, Add	466.31	
For Owner Furnished Material, Deduct	-13,374.71	
<b>22 11 19 00-0441 Flanged Double Check Detector Assemblies Without Meter</b> <small>(22 11 19 00-0420)</small>		
<b>22 11 19 00-0442 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter</b> <small>(22 11 19 00-0441)</small>		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
22 11 19 00-0443 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	5,393.55	234.33
For Work In Restricted Working Space, Add	93.74	
22 11 19 00-0444 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	5,766.15	263.63
For Work In Restricted Working Space, Add	103.99	
22 11 19 00-0445 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	6,286.70	390.56
For Work In Restricted Working Space, Add	156.13	
22 11 19 00-0446 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	8,554.41	573.63
For Work In Restricted Working Space, Add	310.87	
22 11 19 00-0447 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	15,227.34	860.45
For Work In Restricted Working Space, Add	466.31	
22 11 19 00-0448 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	17,973.53	1,017.73
For Work In Restricted Working Space, Add	555.13	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
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22 11 19 00-0449	<b>Double Check Detector Assembly With Butterfly Valves Less Meter</b> (22 11 19 00-0441) Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0450	EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	5,719.72	234.33
	<i>For Work In Restricted Working Space, Add</i>	93.74	
22 11 19 00-0451	EA 3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	6,092.27	263.63
	<i>For Work In Restricted Working Space, Add</i>	103.99	
22 11 19 00-0452	EA 4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	6,612.83	390.56
	<i>For Work In Restricted Working Space, Add</i>	156.13	
22 11 19 00-0453	EA 6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	8,888.69	573.63
	<i>For Work In Restricted Working Space, Add</i>	310.87	
22 11 19 00-0454	EA 8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	15,561.68	860.45
	<i>For Work In Restricted Working Space, Add</i>	466.31	
22 11 19 00-0455	<b>Backflow Preventer Accessories</b> (22 11 19 00-0250)		
22 11 19 00-0456	<b>Air Gap</b> (22 11 19 00-0455)		
22 11 19 00-0457	EA Up To 1" Diameter Air Gap For Backflow Preventer .....	121.09	13.25
22 11 19 00-0458	EA 1-1/4" To 2" Diameter Air Gap For Backflow Preventer .....	149.07	15.90
22 11 19 00-0459	EA 2-1/2" To 3" Diameter Air Gap For Backflow Preventer .....	281.10	21.21
22 11 19 00-0460	EA 4" To 6" Diameter Air Gap For Backflow Preventer .....	556.67	37.11
22 11 19 00-0461	EA 8" To 10" Diameter Air Gap For Backflow Preventer .....	588.48	53.02
22 11 19 00-0462	<b>Brass Test Cocks</b> (22 11 19 00-0455)		
22 11 19 00-0463	EA 1/8" Or 1/4" Brass Test Cock.....	49.30	5.30
22 11 19 00-0464	<b>Backflow Valve Enclosures</b> (22 11 19 00-0250)		
22 11 19 00-0465	<b>Flip-Top, Insulated Fiberglass Valve Enclosures</b> (22 11 19 00-0464) Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0466	EA 19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure .....	1,200.27	95.42
	<i>For Heated Enclosure, Add</i>	156.18	
22 11 19 00-0467	EA 27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure .....	1,491.61	95.42
	<i>For Heated Enclosure, Add</i>	199.89	
22 11 19 00-0468	EA 27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure .....	1,914.78	87.87
	<i>For Heated Enclosure, Add</i>	265.25	
22 11 19 00-0469	EA 33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure .....	1,971.20	117.17
	<i>For Heated Enclosure, Add</i>	266.39	
22 11 19 00-0470	EA 39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure .....	2,070.00	117.17
	<i>For Heated Enclosure, Add</i>	281.21	
22 11 19 00-0471	EA 47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure .....	2,455.08	117.17
	<i>For Heated Enclosure, Add</i>	338.97	
22 11 19 00-0472	EA 39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure .....	2,465.22	117.17
	<i>For Heated Enclosure, Add</i>	340.49	
22 11 19 00-0473	EA 47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure .....	3,121.37	117.17
	<i>For Heated Enclosure, Add</i>	438.91	
22 11 19 00-0474	EA 70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure .....	7,257.26	175.75
	<i>For Heated Enclosure, Add</i>	1,044.65	
22 11 19 00-0475	EA 83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure .....	10,568.43	175.75
	<i>For Heated Enclosure, Add</i>	1,541.33	
22 11 19 00-0476	EA 70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure .....	10,036.41	175.75
	<i>For Heated Enclosure, Add</i>	1,461.52	
22 11 19 00-0477	EA 83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure .....	12,089.16	205.05
	<i>For Heated Enclosure, Add</i>	1,762.11	
22 11 19 00-0478	<b>One-Piece Drop Over, Insulated Fiberglass Valve Enclosures</b> (22 11 19 00-0464) Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0479	EA 20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	675.76	25.45
	<i>For Heated Enclosure, Add</i>	126.67	
22 11 19 00-0480	EA 27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	944.30	25.45
	<i>For Heated Enclosure, Add</i>	180.38	
22 11 19 00-0481	EA 38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	1,189.22	23.44
	<i>For Heated Enclosure, Add</i>	230.03	
22 11 19 00-0482	EA 47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	1,802.30	23.44
	<i>For Heated Enclosure, Add</i>	352.65	
22 11 19 00-0483	EA 70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	4,673.91	43.94
	<i>For Heated Enclosure, Add</i>	920.13	
22 11 19 00-0484	EA 83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	6,389.03	43.94
	<i>For Heated Enclosure, Add</i>	1,263.16	
22 11 19 00-0485	EA 45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	4,248.30	43.94
	<i>For Heated Enclosure, Add</i>	835.01	
22 11 19 00-0486	EA 53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	4,810.72	43.94
	<i>For Heated Enclosure, Add</i>	947.50	
22 11 19 00-0487	EA 61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	7,539.20	43.94
	<i>For Heated Enclosure, Add</i>	1,493.19	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0488				<b>Sectional, Insulated Aluminum Valve Enclosures</b> <small>(22 11 19 00-0484)</small>		
				Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0489	EA			70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 9,468.75		190.85
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	1,372.60	
22 11 19 00-0490	EA			83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 10,449.18		190.85
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	1,519.67	
22 11 19 00-0491	EA			53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 7,376.33		175.75
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	1,062.51	
22 11 19 00-0492	EA			53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 8,100.89		175.75
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	1,171.20	
22 11 19 00-0493	EA			90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 9,406.97		234.33
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	1,352.46	
22 11 19 00-0494	EA			102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 10,567.27		234.33
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	1,526.51	
22 11 19 00-0495	EA			90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 10,567.27		234.33
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	1,526.51	
22 11 19 00-0496	EA			102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 11,692.10		234.33
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	1,695.23	
22 11 19 00-0497	EA			62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 8,760.26		205.05
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	1,262.78	
22 11 19 00-0498	EA			62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 10,260.73		234.33
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	1,480.53	
22 11 19 00-0499	EA			105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 12,016.38		234.33
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	1,743.87	
22 11 19 00-0500	EA			125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 13,196.03		248.98
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	1,917.16	
22 11 19 00-0501	EA			105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 13,523.00		270.36
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	1,960.86	
22 11 19 00-0502	EA			125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 14,998.61		286.26
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	2,178.23	
22 11 19 00-0503	EA			105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 15,541.04		263.63
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	2,265.25	
22 11 19 00-0504	EA			72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 11,256.36		234.33
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	1,629.87	
22 11 19 00-0505	EA			72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 12,008.78		234.33
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	1,742.73	
22 11 19 00-0506	EA			72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 13,598.85		248.98
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	1,977.58	
22 11 19 00-0507	EA			72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 16,506.27		263.63
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	2,410.03	
22 11 19 00-0508	EA			118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 14,380.74		117.17
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	2,091.20	
22 11 19 00-0509	EA			142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure ..... 17,305.91		117.17
				For One 24" Fluorescent Light Fixture, Add	765.28	
				For Two 24" Fluorescent Light Fixture, Add	1,369.45	
				For Heated Enclosure, Add	2,526.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0510	EA		118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure ..... For One 24" Fluorescent Light Fixture, Add For Two 24" Fluorescent Light Fixture, Add For Heated Enclosure, Add	16,725.76 765.28 1,369.45 2,439.29	175.75
22 11 19 00-0511	EA		142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure ..... For One 24" Fluorescent Light Fixture, Add For Two 24" Fluorescent Light Fixture, Add For Heated Enclosure, Add	19,416.93 765.28 1,369.45 2,835.65	175.75
22 11 19 00-0512	EA		142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure ..... For One 24" Fluorescent Light Fixture, Add For Two 24" Fluorescent Light Fixture, Add For Heated Enclosure, Add	17,910.46 765.28 1,369.45 2,613.34	175.75
22 11 19 00-0513	EA		172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure ..... For One 24" Fluorescent Light Fixture, Add For Two 24" Fluorescent Light Fixture, Add For Heated Enclosure, Add	20,946.17 765.28 1,369.45 3,061.37	205.05
22 11 19 00-0514	EA		142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure ..... For One 24" Fluorescent Light Fixture, Add For Two 24" Fluorescent Light Fixture, Add For Heated Enclosure, Add	20,994.99 765.28 1,369.45 3,061.37	175.75
22 11 19 00-0515	EA		172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure ..... For One 24" Fluorescent Light Fixture, Add For Two 24" Fluorescent Light Fixture, Add For Heated Enclosure, Add	24,932.60 765.28 1,369.45 3,644.69	175.75
22 11 19 00-0516			<b>Lift-Off Lightweight Backflow Valve Enclosures With Recessed Locksheild Brackets</b> (22 11 19 00-0464) Note: 1-1/2", 0.095" wall tubular steel framework with 1" x 1" x 1/8" angle iron, 1/2" #13 gauge diamond pattern rolled expanded metal, all welded construction. Excludes concrete pad.		
22 11 19 00-0517	EA		22" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures ..... Note: BP-1	736.83	95.42
22 11 19 00-0518	EA		30" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures ..... Note: BP-2	818.21	117.17
22 11 19 00-0519	EA		40" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures ..... Note: BP-3	890.44	117.17
22 11 19 00-0520	EA		46" Length x 10" Width x 30" Height, Backflow Preventer Caged Enclosures ..... Note: BP-4	1,096.27	117.17
22 11 19 00-0521			<b>Faucets (Hose Bibbs)</b> (22 11 19)		
22 11 19 00-0522			<b>Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends</b> (22 11 19 00-0521)		
22 11 19 00-0523	EA		1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends .....	57.36	10.60
22 11 19 00-0524	EA		3/4", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends .....	66.27	11.67
22 11 19 00-0525	EA		3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NLL) .....	16.64	7.95
22 11 19 00-0526			<b>Chrome Plated Brass Hose Valves, Screwed Ends</b> (22 11 19 00-0521)		
22 11 19 00-0527	EA		3/4" Hose Valve With Screwed Ends (Chicago Faucets #387-CP) .....	208.85	32.44
22 11 19 00-0528			<b>Antisiphon Freezeless Wall Faucet (Woodford 19CP)</b> (22 11 19 00-0521)		
22 11 19 00-0529	EA		4" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	128.03	26.51
22 11 19 00-0530	EA		6" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	138.72	29.37
22 11 19 00-0531	EA		8" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	146.74	31.06
22 11 19 00-0532	EA		10" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	154.75	33.29
22 11 19 00-0533	EA		12" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	162.88	35.30
22 11 19 00-0534			<b>Keyed, Recessed Valve Boxes</b> (22 11 19)		
22 11 19 00-0535	EA		8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box .....	295.25	31.62
22 11 19 00-0536	EA		8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box .....	328.39	31.62
22 11 19 00-0537	EA		8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box .....	378.11	31.62
22 11 19 00-0538	EA		12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box .....	366.04	42.16
22 11 19 00-0539	EA		12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box .....	415.76	42.16
22 11 19 00-0540	EA		12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box .....	430.68	42.16
22 11 19 00-0541	EA		8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box .....	348.28	31.62
22 11 19 00-0542	EA		8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box .....	421.20	31.62
22 11 19 00-0543	EA		8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box .....	485.83	31.62
22 11 19 00-0544	EA		12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box .....	458.85	42.16
22 11 19 00-0545	EA		12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box .....	523.49	42.16
22 11 19 00-0546	EA		12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box .....	548.35	42.16
22 11 23			<b>Domestic Water Pumps</b> (22 11)		
22 11 23 13			<b>Domestic Water Packaged Booster Pumps</b> (22 11 23) Note: Includes motor starter and controls.		
22 11 23 13-0001			<b>Simplex Domestic Water Packaged Booster Pumps And Tank</b> (22 11 23 13)		
22 11 23 13-0002	EA		1 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	11,736.91	312.45
22 11 23 13-0003	EA		1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	12,172.70	419.86



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0004	EA		2 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	12,692.10	527.26
22 11 23 13-0005	EA		3 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	13,169.69	634.66
22 11 23 13-0006	EA		5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	14,567.24	742.07
22 11 23 13-0007	EA		7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	16,173.87	849.47
22 11 23 13-0008	EA		10 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	17,278.70	956.88
<b>22 11 23 13-0009</b>			<b>Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator</b> <sup>(22 11 23 13)</sup>		
22 11 23 13-0010	EA		100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	31,478.88	1,267.36
22 11 23 13-0011	EA		200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	37,968.12	1,346.57
22 11 23 13-0012	EA		300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	44,484.02	1,425.78
<b>22 11 23 13-0013</b>			<b>Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator</b> <sup>(22 11 23 13)</sup>		
22 11 23 13-0014	EA		200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	41,532.94	1,346.57
22 11 23 13-0015	EA		300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	51,784.57	1,425.78
22 11 23 13-0016	EA		500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	64,420.16	1,584.21
22 11 23 13-0017	EA		750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	81,690.54	1,742.62
22 11 23 13-0018	EA		1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	98,960.92	1,901.04
22 11 23 13-0019	EA		1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	115,309.69	2,138.67
22 11 23 13-0020	EA		2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	131,658.46	2,376.30
22 11 23 13-0021	EA		3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	148,007.24	2,613.93
22 11 23 13-0022	EA		5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	164,554.04	2,930.78
<b>22 11 23 13-0023</b>			<b>Variable Speed Duplex Domestic Water Pressure Booster Skid</b> <sup>(22 11 23 13)</sup>		
Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.					
22 11 23 13-0024	EA		40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1).....	38,654.62	1,436.29
22 11 23 13-0025	EA		40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2).....	40,454.62	1,436.29
22 11 23 13-0026	EA		80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3).....	43,026.61	1,436.29
22 11 23 13-0027	EA		80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4).....	46,734.11	1,436.29
22 11 23 13-0028	EA		160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5).....	44,038.66	1,526.06
22 11 23 13-0029	EA		160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6).....	47,275.14	1,526.06
22 11 23 13-0030	EA		160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7).....	51,670.59	1,526.06
22 11 23 13-0031	EA		160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8).....	55,243.23	1,526.06
22 11 23 13-0032	EA		240 To 280 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9).....	48,142.57	1,615.83
22 11 23 13-0033	EA		280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10).....	51,338.01	1,615.83
22 11 23 13-0034	EA		240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11).....	58,483.30	1,615.83
22 11 23 13-0035	EA		240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12).....	70,475.50	1,615.83
22 11 23 13-0036	EA		360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13).....	50,888.50	1,615.83
22 11 23 13-0037	EA		360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14).....	57,406.43	1,615.83
22 11 23 13-0038	EA		360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15).....	71,753.68	1,615.83
22 11 23 13-0039	EA		360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16).....	71,339.34	1,615.83
22 11 23 13-0040	EA		440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17).....	85,144.55	1,795.36
22 11 23 13-0041	EA		440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18).....	58,271.55	1,795.36
22 11 23 13-0042	EA		440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19).....	71,336.72	1,795.36
22 11 23 13-0043	EA		440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20).....	70,924.34	1,795.36
22 11 23 13-0044	EA		440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21).....	85,785.60	1,795.36
22 11 23 13-0045	EA		440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22).....	103,963.47	1,795.36
22 11 23 13-0046	EA		60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1).....	49,036.39	1,436.29



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 11 23 13-0047	Variable Speed Triplex Domestic Water Pressure Booster Skid <sup>(22 11 23 13)</sup>		
	Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
22 11 23 13-0048	EA 60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2).....	49,036.39	1,436.29
22 11 23 13-0049	EA 120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3).....	54,934.77	1,436.29
22 11 23 13-0050	EA 60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4).....	60,024.03	1,436.29
22 11 23 13-0051	EA 180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5).....	55,159.19	1,526.06
22 11 23 13-0052	EA 180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6).....	60,213.27	1,526.06
22 11 23 13-0053	EA 240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7).....	56,339.65	1,526.06
22 11 23 13-0054	EA 240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8).....	60,684.28	1,526.06
22 11 23 13-0055	EA 240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9).....	66,658.88	1,526.06
22 11 23 13-0056	EA 240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10).....	71,611.33	1,526.06
22 11 23 13-0057	EA 300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11).....	56,849.42	1,615.83
22 11 23 13-0058	EA 300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12).....	61,194.05	1,615.83
22 11 23 13-0059	EA 300 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13).....	67,166.70	1,615.83
22 11 23 13-0060	EA 300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14).....	72,119.15	1,615.83
22 11 23 13-0061	EA 360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15).....	61,735.42	1,615.83
22 11 23 13-0062	EA 360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16).....	65,908.07	1,615.83
22 11 23 13-0063	EA 360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17).....	76,217.53	1,615.83
22 11 23 13-0064	EA 360 GPM At 140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18).....	93,041.00	1,615.83
22 11 23 13-0065	EA 480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19).....	63,036.38	1,795.36
22 11 23 13-0066	EA 480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20).....	67,210.98	1,795.36
22 11 23 13-0067	EA 480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21).....	77,520.44	1,795.36
22 11 23 13-0068	EA 480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22).....	94,341.96	1,795.36
22 11 23 13-0069	EA 540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23).....	66,534.76	1,795.36
22 11 23 13-0070	EA 540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24).....	75,904.15	1,795.36
22 11 23 13-0071	EA 540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25).....	96,257.27	1,795.36
22 11 23 13-0072	EA 540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26).....	98,229.26	1,795.36
22 11 23 13-0073	EA 540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27).....	121,856.00	1,795.36
22 11 23 13-0074	EA 660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28).....	75,357.52	2,154.44
22 11 23 13-0075	EA 660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29).....	90,799.23	2,154.44
22 11 23 13-0076	EA 660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30).....	96,654.62	2,154.44
22 11 23 13-0077	EA 660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31).....	116,739.98	2,154.44
22 11 23 13-0078	EA 660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32).....	144,846.21	2,154.44

### 22 11 23 23 Domestic-Water In-Line Pumps <sup>(22 11 23)</sup>

22 11 23 23-0001	Bronze In-Line Centrifugal Domestic Water Booster Pumps <sup>(22 11 23 23)</sup>		
	Note: ODP motor.		
22 11 23 23-0002	EA 1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B).....	1,113.69	175.75
22 11 23 23-0003	EA 1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B).....	1,145.77	175.75
22 11 23 23-0004	EA 1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B).....	1,201.47	179.17
22 11 23 23-0005	EA 1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B).....	1,329.59	186.49
22 11 23 23-0006	EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B).....	2,454.13	193.44
22 11 23 23-0007	EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB).....	2,624.38	193.44
22 11 23 23-0008	EA 1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB).....	3,960.64	212.99
22 11 23 23-0009	EA 1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB).....	4,124.19	233.99
22 11 23 23-0010	EA 1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB).....	5,006.17	257.44
22 11 23 23-0011	EA 1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S).....	5,106.51	283.32
22 11 23 23-0012	EA 3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S).....	5,583.79	311.17





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 23-0013 EA 1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S).....	8,054.05	342.44
22 11 23 23-0014 EA 1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S) .....	9,295.64	359.04
 <b>22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)</b>		
Note: ODP motor.		
22 11 23 23-0016 EA 1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30) .....	1,163.59	175.75
22 11 23 23-0017 EA 1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36).....	2,006.28	175.75
22 11 23 23-0018 EA 1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45) .....	2,013.34	179.17
22 11 23 23-0019 EA 1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	2,047.77	183.07
22 11 23 23-0020 EA 1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	2,054.59	186.49
22 11 23 23-0021 EA 1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75).....	2,091.63	193.44
22 11 23 23-0022 EA 1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2).....	2,568.55	212.99
22 11 23 23-0023 EA 1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30).....	3,322.65	257.44
22 11 23 23-0024 EA 1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S).....	3,494.50	283.32
22 11 23 23-0025 EA 3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S).....	4,089.00	311.17
22 11 23 23-0026 EA 1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S).....	5,557.66	342.44
22 11 23 23-0027 EA 1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S).....	6,518.40	359.04
22 11 23 23-0028 EA 2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF) .....	5,824.23	377.12
22 11 23 23-0029 EA 3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF) .....	6,256.17	414.54
22 11 23 23-0030 EA 5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF) .....	6,873.19	439.64
22 11 23 23-0031 EA 7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	8,752.81	488.49
22 11 23 23-0032 EA 10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	9,249.52	586.29
22 11 23 23-0033 EA 15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	11,831.07	684.18
 <b>22 12 Facility Potable-Water Storage Tanks (22 10)</b>		
<b>22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks (22 12)</b>		
<b>22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks (22 12 19)</b>		
22 12 19 00-0002 EA 5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	37,646.93	9,048.39
22 12 19 00-0003 EA 10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	42,626.70	9,048.39
22 12 19 00-0004 EA 20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	76,618.11	13,963.58
22 12 19 00-0005 EA 35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	98,901.63	18,096.76
 <b>22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks (22 12 19)</b>		
22 12 19 00-0007 EA 5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	45,024.36	9,048.39
22 12 19 00-0008 EA 10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	62,361.30	9,048.39
22 12 19 00-0009 EA 20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	93,013.09	13,963.58
22 12 19 00-0010 EA 35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	133,585.18	18,096.76
 <b>22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)</b>		
<b>22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)</b>		
<b>22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)</b>		
22 12 23 13-0002 EA 80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A).....	2,536.82	390.56
22 12 23 13-0003 EA 119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M).....	3,141.34	488.20
22 12 23 13-0004 EA 140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A).....	5,917.13	537.02
22 12 23 13-0005 EA 200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A).....	6,546.32	585.84
22 12 23 13-0006 EA 250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A).....	13,176.84	634.66
22 12 23 13-0007 EA 350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A).....	11,309.34	683.48
22 12 23 13-0008 EA 400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A).....	19,557.88	732.30
22 12 23 13-0009 EA 500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A).....	17,988.46	781.12
22 12 23 13-0010 EA 750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A).....	19,547.87	829.94
22 12 23 13-0011 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A).....	23,327.08	878.76
 <b>22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)</b>		
22 12 23 13-0013 EA 80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S).....	2,152.48	390.56
22 12 23 13-0014 EA 120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S).....	4,223.85	488.20
22 12 23 13-0015 EA 140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A) .....	5,305.88	537.02
22 12 23 13-0016 EA 200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S).....	6,584.15	585.84
22 12 23 13-0017 EA 200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A) .....	5,562.92	585.84
22 12 23 13-0018 EA 250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A) .....	8,692.16	634.66
22 12 23 13-0019 EA 325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A) .....	9,408.38	683.48
22 12 23 13-0020 EA 350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S).....	8,944.45	683.48
22 12 23 13-0021 EA 350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A) .....	8,141.92	683.48
22 12 23 13-0022 EA 400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A) .....	11,207.10	732.30
22 12 23 13-0023 EA 500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A) .....	12,161.97	781.12
22 12 23 13-0024 EA 750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A) .....	14,145.18	829.94

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 12</b>	<b>Facility Potable-Water Storage Tanks</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 12 23 13-0025 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A).....26,763.40 878.76

**22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23)**

**22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)**

Note: Excludes excavation and backfill.

22 12 23 26-0002 EA 100 Gallon Horizontal Non-Pressurized Polyethylene Tank .....667.03 219.70	<i>For Saddle Assembly, Add</i>	<i>747.26</i>
22 12 23 26-0003 EA 150 Gallon Horizontal Non-Pressurized Polyethylene Tank .....781.49 256.31	<i>For Saddle Assembly, Add</i>	<i>747.26</i>
22 12 23 26-0004 EA 200 Gallon Horizontal Non-Pressurized Polyethylene Tank .....928.76 292.92	<i>For Saddle Assembly, Add</i>	<i>858.84</i>
22 12 23 26-0005 EA 300 Gallon Horizontal Non-Pressurized Polyethylene Tank .....1,135.11 329.53	<i>For Saddle Assembly, Add</i>	<i>1,294.24</i>
22 12 23 26-0006 EA 335 Gallon Horizontal Non-Pressurized Polyethylene Tank .....1,365.53 366.16	<i>For Two Tie Down Bands, Add</i>	<i>426.67</i>
22 12 23 26-0007 EA 535 Gallon Horizontal Non-Pressurized Polyethylene Tank .....1,777.98 511.55	<i>For Two Tie Down Bands, Add</i>	<i>457.30</i>
22 12 23 26-0008 EA 1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank .....2,673.33 596.80	<i>For Three Tie Down Bands, Add</i>	<i>784.41</i>
22 12 23 26-0009 EA 1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank .....3,873.99 682.06	<i>For Three Tie Down Bands, Add</i>	<i>790.98</i>
22 12 23 26-0010 EA 1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank .....4,843.13 767.32	<i>For Four Tie Down Bands, Add</i>	<i>1,072.14</i>
22 12 23 26-0011 EA 2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank .....5,677.63 852.57	<i>For Four Tie Down Bands, Add</i>	<i>1,518.47</i>
22 12 23 26-0012 EA 2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank .....8,142.29 937.83	<i>For Four Tie Down Bands, Add</i>	<i>2,008.56</i>
22 12 23 26-0013 EA 3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank .....9,437.45 1,023.08	<i>For Four Tie Down Bands, Add</i>	<i>2,174.84</i>
22 12 23 26-0014 EA 4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank .....13,565.83 1,364.12	<i>For Four Tie Down Bands, Add</i>	<i>2,463.64</i>
22 12 23 26-0015 EA 5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank .....17,586.99 1,364.12	<i>For Five Tie Down Bands, Add</i>	<i>3,878.14</i>

**22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks (22 12 23 26)**

22 12 23 26-0017 EA 100 Gallon Vertical Non-Pressurized Polyethylene Tank.....720.91 292.92
22 12 23 26-0018 EA 160 Gallon Vertical Non-Pressurized Polyethylene Tank.....874.42 311.23
22 12 23 26-0019 EA 210 Gallon Vertical Non-Pressurized Polyethylene Tank.....962.27 329.53
22 12 23 26-0020 EA 300 Gallon Vertical Non-Pressurized Polyethylene Tank.....1,170.80 366.16
22 12 23 26-0021 EA 405 Gallon Vertical Non-Pressurized Polyethylene Tank.....1,331.89 439.38
22 12 23 26-0022 EA 500 Gallon Vertical Non-Pressurized Polyethylene Tank.....1,573.93 512.62
22 12 23 26-0023 EA 800 Gallon Vertical Non-Pressurized Polyethylene Tank.....2,230.88 682.06
22 12 23 26-0024 EA 1,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....2,891.43 852.57
22 12 23 26-0025 EA 2,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....3,897.69 1,023.08
22 12 23 26-0026 EA 3,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....5,109.59 1,193.60
22 12 23 26-0027 EA 4,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....7,553.28 1,364.12
22 12 23 26-0028 EA 5,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....10,255.15 1,534.63
22 12 23 26-0029 EA 6,250 Gallon Vertical Non-Pressurized Polyethylene Tank.....11,628.97 1,705.14
22 12 23 26-0030 EA 7,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....12,814.62 1,875.66
22 12 23 26-0031 EA 8,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....14,774.79 2,046.17
22 12 23 26-0032 EA 9,150 Gallon Vertical Non-Pressurized Polyethylene Tank.....16,697.76 2,216.69
22 12 23 26-0033 EA 10,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....20,699.25 2,387.20
22 12 23 26-0034 EA 12,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....24,917.13 2,728.23

**22 13 Facility Sanitary Sewerage (22 10)**

**22 13 13 Facility Sanitary Sewers (22 13)**

**22 13 13 00-0001 Fixture Rough-In (22 13 13)**

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible.

**22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001)**

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003 EA Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....1,209.60	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.
22 13 13 00-0004 EA Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....1,719.13	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.
22 13 13 00-0005 EA Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....1,080.58	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.
22 13 13 00-0006 EA Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....722.32	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0007 EA Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 853.28 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	853.28	
22 13 13 00-0008 EA Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,059.18 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,059.18	
22 13 13 00-0009 EA Bath tub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,151.31 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,151.31	
22 13 13 00-0010 EA Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 691.49 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	691.49	
22 13 13 00-0011 EA Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,080.58 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,080.58	
22 13 13 00-0012 EA Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,095.41 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,095.41	
22 13 13 00-0013 EA Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,046.57 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	1,046.57	
22 13 13 00-0014 EA Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,209.60 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,209.60	
22 13 13 00-0015 EA Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,906.78 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,906.78	
22 13 13 00-0016 EA Bath tub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,175.75 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	1,175.75	
<b>22 13 13 00-0017 Double Fixture Rough-In, Cast Iron Waste And Vent Pipe</b> <small>(22 13 13 00-0001)</small> Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0018 EA Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,616.08 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,616.08	
22 13 13 00-0019 EA Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 2,303.61 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	2,303.61	
22 13 13 00-0020 EA Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,391.66 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,391.66	
22 13 13 00-0021 EA Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 888.28 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	888.28	
22 13 13 00-0022 EA Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,151.42 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,151.42	
22 13 13 00-0023 EA Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,227.12 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,227.12	
22 13 13 00-0024 EA Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 830.49 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	830.49	
22 13 13 00-0025 EA Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,401.41 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,401.41	
22 13 13 00-0026 EA Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,167.71 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,167.71	
22 13 13 00-0027 EA Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,143.33 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	1,143.33	
22 13 13 00-0028 EA Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,616.08 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	1,616.08	
<b>22 13 13 00-0029 Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe</b> <small>(22 13 13 00-0001)</small> Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030 EA Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 807.59 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	807.59	
22 13 13 00-0031 EA Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,151.80 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	1,151.80	
22 13 13 00-0032 EA Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 696.30 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	696.30	
22 13 13 00-0033 EA Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 444.63 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	444.63	
22 13 13 00-0034 EA Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 575.73 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	575.73	
22 13 13 00-0035 EA Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 613.54 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	613.54	
22 13 13 00-0036 EA Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 439.65 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	439.65	
22 13 13 00-0037 EA Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet ..... 700.21 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	700.21	
22 13 13 00-0038 EA Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 583.85 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	583.85	
22 13 13 00-0039 EA Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 572.13 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	572.13	
22 13 13 00-0040 EA Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 800.73 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	800.73	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0041			<b>Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe</b> <sup>(22 13 13 00-0001)</sup> Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042	EA		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet.....543.62 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	543.62	
22 13 13 00-0043	EA		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet.....598.90 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	598.90	
22 13 13 00-0044	EA		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet .....516.32 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	516.32	
22 13 13 00-0045	EA		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal .....311.08 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	311.08	
22 13 13 00-0046	EA		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory.....364.60 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	364.60	
22 13 13 00-0047	EA		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink.....495.60 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	495.60	
22 13 13 00-0048	EA		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub.....502.04 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	502.04	
22 13 13 00-0049	EA		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler.....307.85 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	307.85	
22 13 13 00-0050	EA		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink .....516.32 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	516.32	
22 13 13 00-0051	EA		Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....548.67 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	548.67	
22 13 13 00-0052	EA		Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....505.85 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	505.85	
22 13 13 00-0053	EA		Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....543.50 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	543.50	
22 13 13 00-0054	EA		Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....839.38 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	839.38	
22 13 13 00-0055	EA		Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....523.40 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	523.40	
22 13 13 00-0056			<b>Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe</b> <sup>(22 13 13 00-0001)</sup> Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057	EA		Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....661.54 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	661.54	
22 13 13 00-0058	EA		Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....783.79 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	783.79	
22 13 13 00-0059	EA		Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....575.23 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	575.23	
22 13 13 00-0060	EA		Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....346.04 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	346.04	
22 13 13 00-0061	EA		Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....508.45 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	508.45	
22 13 13 00-0062	EA		Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....530.98 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	530.98	
22 13 13 00-0063	EA		Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....337.13 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	337.13	
22 13 13 00-0064	EA		Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....583.91 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	583.91	
22 13 13 00-0065	EA		Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....563.90 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	563.90	
22 13 13 00-0066	EA		Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....542.11 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	542.11	
22 13 13 00-0067	EA		Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....661.54 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	661.54	



	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0068			<b>Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe</b> <sup>(22 13 13 00-0001)</sup> Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069	EA		Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	330.37	
22 13 13 00-0070	EA		Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	391.42	
22 13 13 00-0071	EA		Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	287.90	
22 13 13 00-0072	EA		Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	173.06	
22 13 13 00-0073	EA		Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	254.19	
22 13 13 00-0074	EA		Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	265.24	
22 13 13 00-0075	EA		Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	168.55	
22 13 13 00-0076	EA		Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	291.86	
22 13 13 00-0077	EA		Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	281.98	
22 13 13 00-0078	EA		Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	271.48	
22 13 13 00-0079	EA		Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	323.90	
<b>22 13 16 Sanitary Waste and Vent Piping</b> <sup>(22 13)</sup>					
22 13 16 00-0001			<b>Cast Iron Soil Pipe Assemblies</b> <sup>(22 13 16)</sup>		
22 13 16 00-0002			<b>Underground Bell And Spigot Cast Iron Soil Pipe Assemblies</b> <sup>(22 13 16 00-0001)</sup> Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
22 13 16 00-0003	LF		2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	39.09	6.15
			<i>For Work In Restricted Working Space, Add</i>	4.51	
22 13 16 00-0004	LF		3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	56.42	9.27
			<i>For Work In Restricted Working Space, Add</i>	6.12	
22 13 16 00-0005	LF		4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	73.32	11.81
			<i>For Work In Restricted Working Space, Add</i>	7.87	
22 13 16 00-0006	LF		5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	87.76	14.43
			<i>For Work In Restricted Working Space, Add</i>	8.12	
22 13 16 00-0007	LF		6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	103.97	15.73
			<i>For Work In Restricted Working Space, Add</i>	9.02	
22 13 16 00-0008	LF		8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	167.85	22.40
			<i>For Work In Restricted Working Space, Add</i>	12.68	
22 13 16 00-0009	LF		10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	253.84	22.40
			<i>For Work In Restricted Working Space, Add</i>	14.36	
22 13 16 00-0010			<b>Aboveground No Hub Cast Iron Soil Pipe Assemblies</b> <sup>(22 13 16 00-0001)</sup> Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011	LF		1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	30.41	5.86
			<i>For Work In Restricted Working Space, Add</i>	5.14	
22 13 16 00-0012	LF		2" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	32.20	6.25
			<i>For Work In Restricted Working Space, Add</i>	5.53	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0013	LF		3" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	41.26 6.78	9.08
22 13 16 00-0014	LF		4" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	49.58 8.11	11.81
22 13 16 00-0015	LF		5" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	66.30 9.61	14.16
22 13 16 00-0016	LF		6" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	75.40 10.47	15.45
22 13 16 00-0017	LF		8" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	119.28 14.46	22.21
22 13 16 00-0018	LF		10" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	170.28 16.80	25.24
22 13 16 00-0019			<b>Bell And Spigot Cast Iron Soil Pipe And Fittings</b> (22 13 16) Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020			<b>Bell And Spigot Cast Iron Pipe</b> (22 13 16 00-0019) Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF		2" Bell And Spigot Cast Iron Pipe ..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.55 8.09 0.46 2.79	6.15
22 13 16 00-0022	LF		3" Bell And Spigot Cast Iron Pipe ..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.55 11.59 0.70 4.19	9.27
22 13 16 00-0023	LF		4" Bell And Spigot Cast Iron Pipe ..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.64 15.07 0.89 5.33	11.81
22 13 16 00-0024	LF		5" Bell And Spigot Cast Iron Pipe ..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.24 21.27 1.08 6.48	14.43
22 13 16 00-0025	LF		6" Bell And Spigot Cast Iron Pipe ..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.23 25.91 1.18 7.07	15.73
22 13 16 00-0026	LF		8" Bell And Spigot Cast Iron Pipe ..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.54 40.29 1.68 10.08	22.40
22 13 16 00-0027	LF		10" Bell And Spigot Cast Iron Pipe ..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	197.52 67.08 1.89 11.34	25.24
22 13 16 00-0028	LF		12" Bell And Spigot Cast Iron Pipe ..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	282.42 97.44 2.52 15.12	33.65
22 13 16 00-0029	LF		15" Bell And Spigot Cast Iron Pipe ..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	399.59 142.42 3.03 18.15	40.36
22 13 16 00-0030			<b>Bell And Spigot Cast Iron Fittings</b> (22 13 16 00-0019)		
22 13 16 00-0031			<b>Bell And Spigot Cast Iron Long Sweeps</b> (22 13 16 00-0030)		
22 13 16 00-0032	EA		2" Bell And Spigot Cast Iron Long Sweep ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.45 2.10 21.51 12.60	28.02
22 13 16 00-0033	EA		3" Bell And Spigot Cast Iron Long Sweep ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	177.45 2.64 43.63 15.83	35.25
22 13 16 00-0034	EA		4" Bell And Spigot Cast Iron Long Sweep ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.41 3.51 58.16 21.07	46.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0035 EA 6" Bell And Spigot Cast Iron Long Sweep.....	371.32	61.06
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.58	
<i>For Extra Heavy Fittings, Add</i>	97.93	
<i>For Work In Restricted Working Space, Add</i>	27.46	
22 13 16 00-0036 EA 8" Bell And Spigot Cast Iron Long Sweep.....	742.18	78.83
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.91	
<i>For Extra Heavy Fittings, Add</i>	218.41	
<i>For Work In Restricted Working Space, Add</i>	35.45	
22 13 16 00-0037 EA 10" Bell And Spigot Cast Iron Long Sweep.....	1,017.02	96.98
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.27	
<i>For Extra Heavy Fittings, Add</i>	305.06	
<i>For Work In Restricted Working Space, Add</i>	43.63	
22 13 16 00-0038 EA 12" Bell And Spigot Cast Iron Long Sweep.....	1,561.85	135.36
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.15	
<i>For Extra Heavy Fittings, Add</i>	475.61	
<i>For Work In Restricted Working Space, Add</i>	60.89	
22 13 16 00-0039 EA 15" Bell And Spigot Cast Iron Long Sweep.....	2,910.81	188.49
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.13	
<i>For Extra Heavy Fittings, Add</i>	919.88	
<i>For Work In Restricted Working Space, Add</i>	84.78	
<b>22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)</b>		
22 13 16 00-0041 EA 2" Bell And Spigot Cast Iron Short Sweep.....	87.22	28.02
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.10	
<i>For Extra Heavy Fittings, Add</i>	15.83	
<i>For Work In Restricted Working Space, Add</i>	12.60	
22 13 16 00-0042 EA 3" Bell And Spigot Cast Iron Short Sweep.....	150.23	35.25
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.64	
<i>For Extra Heavy Fittings, Add</i>	34.11	
<i>For Work In Restricted Working Space, Add</i>	15.83	
22 13 16 00-0043 EA 4" Bell And Spigot Cast Iron Short Sweep.....	205.80	46.86
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.51	
<i>For Extra Heavy Fittings, Add</i>	47.45	
<i>For Work In Restricted Working Space, Add</i>	21.07	
22 13 16 00-0044 EA 5" Bell And Spigot Cast Iron Short Sweep.....	312.19	51.90
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.89	
<i>For Extra Heavy Fittings, Add</i>	82.04	
<i>For Work In Restricted Working Space, Add</i>	23.34	
22 13 16 00-0045 EA 6" Bell And Spigot Cast Iron Short Sweep.....	377.15	61.06
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.58	
<i>For Extra Heavy Fittings, Add</i>	99.97	
<i>For Work In Restricted Working Space, Add</i>	27.46	
22 13 16 00-0046 EA 8" Bell And Spigot Cast Iron Short Sweep.....	624.84	78.83
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.91	
<i>For Extra Heavy Fittings, Add</i>	177.34	
<i>For Work In Restricted Working Space, Add</i>	35.45	
22 13 16 00-0047 EA 10" Bell And Spigot Cast Iron Short Sweep.....	916.91	96.98
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.27	
<i>For Extra Heavy Fittings, Add</i>	270.02	
<i>For Work In Restricted Working Space, Add</i>	43.63	
22 13 16 00-0048 EA 12" Bell And Spigot Cast Iron Short Sweep.....	1,524.52	135.36
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.15	
<i>For Extra Heavy Fittings, Add</i>	462.55	
<i>For Work In Restricted Working Space, Add</i>	60.89	
<b>22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends (22 13 16 00-0030)</b>		
22 13 16 00-0050 EA 2" Bell And Spigot Cast Iron 1/4 Bend.....	78.02	27.92
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.10	
<i>For Extra Heavy Fittings, Add</i>	12.64	
<i>For Work In Restricted Working Space, Add</i>	12.57	
22 13 16 00-0051 EA 3" Bell And Spigot Cast Iron 1/4 Bend.....	119.34	31.44
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.36	
<i>For Extra Heavy Fittings, Add</i>	25.26	
<i>For Work In Restricted Working Space, Add</i>	14.15	
22 13 16 00-0052 EA 4" Bell And Spigot Cast Iron 1/4 Bend.....	171.12	41.88
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.14	
<i>For Extra Heavy Fittings, Add</i>	37.92	
<i>For Work In Restricted Working Space, Add</i>	18.83	
22 13 16 00-0053 EA 5" Bell And Spigot Cast Iron 1/4 Bend.....	214.95	46.35
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.47	
<i>For Extra Heavy Fittings, Add</i>	50.93	
<i>For Work In Restricted Working Space, Add</i>	20.83	
22 13 16 00-0054 EA 6" Bell And Spigot Cast Iron 1/4 Bend.....	258.58	55.51
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.16	
<i>For Extra Heavy Fittings, Add</i>	61.35	
<i>For Work In Restricted Working Space, Add</i>	24.99	
22 13 16 00-0055 EA 8" Bell And Spigot Cast Iron 1/4 Bend.....	543.77	72.59
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.44	
<i>For Extra Heavy Fittings, Add</i>	152.24	
<i>For Work In Restricted Working Space, Add</i>	32.64	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0056	EA		10" Bell And Spigot Cast Iron 1/4 Bend ..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	805.04 6.60 235.54 39.62	88.09
22 13 16 00-0057	EA		12" Bell And Spigot Cast Iron 1/4 Bend ..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,063.36 7.80 317.60 46.78	103.98
22 13 16 00-0058	EA		15" Bell And Spigot Cast Iron 1/4 Bend ..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,733.96 12.29 870.84 73.76	164.01
<b>22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends (22 13 16 00-0030)</b>					
22 13 16 00-0060	EA		2" Bell And Spigot Cast Iron 1/8 Bend ..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	70.83 2.10 10.09 12.60	28.02
22 13 16 00-0061	EA		3" Bell And Spigot Cast Iron 1/8 Bend ..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	112.28 2.64 20.83 15.83	35.25
22 13 16 00-0062	EA		4" Bell And Spigot Cast Iron 1/8 Bend ..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	160.52 3.51 31.60 21.07	46.86
22 13 16 00-0063	EA		5" Bell And Spigot Cast Iron 1/8 Bend ..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	200.77 4.35 39.84 26.08	58.01
22 13 16 00-0064	EA		6" Bell And Spigot Cast Iron 1/8 Bend ..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	232.57 4.85 47.45 29.10	64.68
22 13 16 00-0065	EA		8" Bell And Spigot Cast Iron 1/8 Bend ..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	469.57 6.52 118.71 39.12	86.96
22 13 16 00-0066	EA		10" Bell And Spigot Cast Iron 1/8 Bend ..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	659.09 8.05 174.37 48.27	107.29
22 13 16 00-0067	EA		12" Bell And Spigot Cast Iron 1/8 Bend ..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,070.59 10.43 301.71 62.57	139.14
22 13 16 00-0068	EA		15" Bell And Spigot Cast Iron 1/8 Bend ..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,068.43 12.29 637.90 73.76	164.01
<b>22 13 16 00-0069 Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)</b>					
22 13 16 00-0070	EA		2" Bell And Spigot Cast Iron Wye ..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	121.62 4.69 9.71 28.16	62.59
22 13 16 00-0071	EA		3" Bell And Spigot Cast Iron Wye ..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	154.74 5.14 18.19 30.83	68.55
22 13 16 00-0072	EA		4" Bell And Spigot Cast Iron Wye ..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	203.79 6.73 24.20 40.39	89.83
22 13 16 00-0073	EA		5" Bell And Spigot Cast Iron Wye ..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	264.93 7.49 40.33 44.91	99.83
22 13 16 00-0074	EA		6" Bell And Spigot Cast Iron Wye ..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	333.55 8.87 54.64 53.23	118.33
22 13 16 00-0075	EA		8" Bell And Spigot Cast Iron Wye ..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	620.92 11.91 133.98 71.43	158.80
22 13 16 00-0076	EA		10" Bell And Spigot Cast Iron Wye ..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	877.67 13.50 212.66 81.02	180.16





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0077	EA			12" Bell And Spigot Cast Iron Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,306.28 16.44 342.12 98.64	219.31
22 13 16 00-0078	EA			15" Bell And Spigot Cast Iron Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,042.67 18.44 585.83 110.66	246.06
<b>22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes</b> <small>(22 13 16 00-0030)</small>						
22 13 16 00-0080	EA			3" x 2" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	197.88 4.91 34.92 29.43	65.42
22 13 16 00-0081	EA			4" x 2" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.64 6.06 41.78 36.38	80.85
22 13 16 00-0082	EA			4" x 3" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	269.68 6.22 50.87 37.31	82.89
22 13 16 00-0083	EA			6" x 2" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	401.10 7.94 84.77 47.67	106.03
22 13 16 00-0084	EA			6" x 3" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	411.62 8.10 87.40 48.57	107.97
22 13 16 00-0085	EA			6" x 4" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	430.49 8.64 90.22 51.81	115.19
22 13 16 00-0086	EA			8" x 2" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	640.69 9.57 157.23 57.44	127.70
22 13 16 00-0087	EA			8" x 3" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	670.29 9.76 166.32 58.53	130.16
22 13 16 00-0088	EA			8" x 4" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	685.92 10.22 168.54 61.31	136.31
22 13 16 00-0089	EA			8" x 6" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	812.13 11.37 204.67 68.21	151.62
22 13 16 00-0090	EA			10" x 3" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,009.43 10.65 278.74 63.91	142.07
22 13 16 00-0091	EA			10" x 4" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,049.96 11.12 289.64 66.72	148.32
22 13 16 00-0092	EA			10" x 6" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,148.37 12.29 315.88 73.76	164.01
22 13 16 00-0093	EA			10" x 8" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,526.02 13.04 442.84 78.23	173.93
22 13 16 00-0094	EA			12" x 4" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,571.58 13.04 458.79 78.23	173.93
22 13 16 00-0095	EA			12" x 6" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,634.36 14.13 473.12 84.78	188.49
22 13 16 00-0096	EA			12" x 8" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,923.40 14.83 569.40 88.97	197.84
22 13 16 00-0097	EA			12" x 10" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,344.60 15.27 713.72 91.62	203.71

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0098	EA		15" x 4" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,902.69 14.40 1,265.15 86.39	192.08
22 13 16 00-0099	EA		15" x 6" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,071.74 15.59 1,316.01 93.51	207.86
22 13 16 00-0100	EA		15" x 8" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,154.35 16.26 1,340.23 97.53	216.84
22 13 16 00-0101	EA		15" x 10" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,250.69 16.81 1,370.11 100.83	224.22
22 13 16 00-0102	EA		15" x 12" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,356.79 17.79 1,400.38 106.71	237.26
<b>22 13 16 00-0103</b>			<b>Bell And Spigot Cast Iron Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0104	EA		2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.50 4.69 13.87 28.16	62.59
22 13 16 00-0105	EA		3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	162.06 5.14 20.75 30.83	68.55
22 13 16 00-0106	EA		4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	216.53 6.73 28.66 40.39	89.83
22 13 16 00-0107	EA		5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	305.35 7.85 51.93 47.09	104.73
22 13 16 00-0108	EA		6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	382.61 9.74 65.76 58.42	129.90
22 13 16 00-0109	EA		8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	713.71 12.82 160.08 76.90	171.00
22 13 16 00-0110	EA		10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,033.90 16.81 244.23 100.83	224.22
22 13 16 00-0111	EA		12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,388.37 21.61 334.69 129.64	288.21
<b>22 13 16 00-0112</b>			<b>Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0113	EA		3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.57 4.91 15.56 29.43	65.42
22 13 16 00-0114	EA		4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	202.93 6.06 28.58 36.38	80.85
22 13 16 00-0115	EA		4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	219.91 6.22 33.45 37.31	82.89
22 13 16 00-0116	EA		6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	329.73 7.94 59.79 47.67	106.03
22 13 16 00-0117	EA		6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	343.86 8.10 63.68 48.57	107.97
22 13 16 00-0118	EA		6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	364.38 8.64 67.08 51.81	115.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0119 EA 8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	508.13	127.70
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.57	
<i>For Extra Heavy Fittings, Add</i>	110.84	
<i>For Work In Restricted Working Space, Add</i>	57.44	
22 13 16 00-0120 EA 8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	521.06	136.31
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.22	
<i>For Extra Heavy Fittings, Add</i>	110.84	
<i>For Work In Restricted Working Space, Add</i>	61.31	
22 13 16 00-0121 EA 8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	662.11	151.62
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.37	
<i>For Extra Heavy Fittings, Add</i>	152.16	
<i>For Work In Restricted Working Space, Add</i>	68.21	
<b>22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes (22 13 16 00-0030)</b>		
22 13 16 00-0123 EA 2" Bell And Spigot Cast Iron Double Wye.....	221.80	74.89
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.61	
<i>For Extra Heavy Fittings, Add</i>	38.35	
<i>For Work In Restricted Working Space, Add</i>	33.67	
22 13 16 00-0124 EA 3" Bell And Spigot Cast Iron Double Wye.....	325.47	94.41
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.08	
<i>For Extra Heavy Fittings, Add</i>	64.39	
<i>For Work In Restricted Working Space, Add</i>	42.45	
22 13 16 00-0125 EA 4" Bell And Spigot Cast Iron Double Wye.....	443.21	119.41
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.95	
<i>For Extra Heavy Fittings, Add</i>	92.44	
<i>For Work In Restricted Working Space, Add</i>	53.73	
22 13 16 00-0126 EA 6" Bell And Spigot Cast Iron Double Wye.....	858.50	181.80
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.63	
<i>For Extra Heavy Fittings, Add</i>	205.07	
<i>For Work In Restricted Working Space, Add</i>	81.77	
22 13 16 00-0127 EA 8" Bell And Spigot Cast Iron Double Wye.....	1,747.95	214.67
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.09	
<i>For Extra Heavy Fittings, Add</i>	499.16	
<i>For Work In Restricted Working Space, Add</i>	96.54	
22 13 16 00-0128 EA 10" Bell And Spigot Cast Iron Double Wye.....	2,324.90	240.19
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	18.01	
<i>For Extra Heavy Fittings, Add</i>	687.68	
<i>For Work In Restricted Working Space, Add</i>	108.03	
22 13 16 00-0129 EA 12" Bell And Spigot Cast Iron Double Wye.....	1,588.79	288.21
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	21.61	
<i>For Extra Heavy Fittings, Add</i>	404.83	
<i>For Work In Restricted Working Space, Add</i>	129.64	
22 13 16 00-0130 EA 15" Bell And Spigot Cast Iron Double Wye.....	4,577.59	302.49
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	22.69	
<i>For Extra Heavy Fittings, Add</i>	1,443.34	
<i>For Work In Restricted Working Space, Add</i>	136.13	
<b>22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)</b>		
22 13 16 00-0132 EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Wye.....	197.46	88.56
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.64	
<i>For Extra Heavy Fittings, Add</i>	22.63	
<i>For Work In Restricted Working Space, Add</i>	39.84	
22 13 16 00-0133 EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Wye.....	229.66	101.74
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.63	
<i>For Extra Heavy Fittings, Add</i>	26.99	
<i>For Work In Restricted Working Space, Add</i>	45.77	
22 13 16 00-0134 EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Wye.....	249.40	106.72
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.00	
<i>For Extra Heavy Fittings, Add</i>	31.27	
<i>For Work In Restricted Working Space, Add</i>	48.02	
22 13 16 00-0135 EA 6" x 2" Bell And Spigot Cast Iron Reducing Double Wye.....	322.37	126.11
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.45	
<i>For Extra Heavy Fittings, Add</i>	46.67	
<i>For Work In Restricted Working Space, Add</i>	56.71	
22 13 16 00-0136 EA 6" x 3" Bell And Spigot Cast Iron Reducing Double Wye.....	342.28	130.92
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.81	
<i>For Extra Heavy Fittings, Add</i>	51.11	
<i>For Work In Restricted Working Space, Add</i>	58.88	
22 13 16 00-0137 EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Wye.....	395.33	142.76
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.70	
<i>For Extra Heavy Fittings, Add</i>	63.46	
<i>For Work In Restricted Working Space, Add</i>	64.21	
22 13 16 00-0138 EA 8" x 4" Bell And Spigot Cast Iron Reducing Double Wye.....	650.52	165.42
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.40	
<i>For Extra Heavy Fittings, Add</i>	140.91	
<i>For Work In Restricted Working Space, Add</i>	74.38	
22 13 16 00-0139 EA 8" x 6" Bell And Spigot Cast Iron Reducing Double Wye.....	705.56	195.76
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.68	
<i>For Extra Heavy Fittings, Add</i>	144.20	
<i>For Work In Restricted Working Space, Add</i>	88.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0140	EA		10" x 4" Bell And Spigot Cast Iron Reducing Double Wye <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	692.84 13.27 149.63 79.60	176.95
22 13 16 00-0141	EA		10" x 6" Bell And Spigot Cast Iron Reducing Double Wye <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	807.15 15.59 173.40 93.51	207.86
22 13 16 00-0142	EA		10" x 8" Bell And Spigot Cast Iron Reducing Double Wye <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,000.32 16.99 231.21 101.92	226.58
22 13 16 00-0143	EA		12" x 6" Bell And Spigot Cast Iron Reducing Double Wye <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,021.67 17.38 235.95 104.26	231.78
22 13 16 00-0144	EA		12" x 8" Bell And Spigot Cast Iron Reducing Double Wye <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,314.48 18.91 327.73 113.43	252.19
<b>22 13 16 00-0145</b>			<b>Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends</b> (22 13 16 00-0030)		
22 13 16 00-0146	EA		2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.53 5.61 24.61 33.67	74.89
22 13 16 00-0147	EA		3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	245.95 7.51 33.51 45.07	100.18
22 13 16 00-0148	EA		4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	322.49 9.39 47.15 56.33	125.27
22 13 16 00-0149	EA		6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	722.28 15.23 146.17 91.39	203.18
<b>22 13 16 00-0150</b>			<b>Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends</b> (22 13 16 00-0030)		
22 13 16 00-0151	EA		3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	245.76 6.73 38.89 40.39	89.83
22 13 16 00-0152	EA		4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	292.57 7.63 49.00 45.77	101.74
22 13 16 00-0153	EA		4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	328.65 8.49 55.62 50.93	113.27
22 13 16 00-0154	EA		6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	673.09 11.36 156.05 68.17	151.55
<b>22 13 16 00-0155</b>			<b>Bell And Spigot Cast Iron Sanitary Tees</b> (22 13 16 00-0030)		
22 13 16 00-0156	EA		2" Bell And Spigot Cast Iron Sanitary Tee <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.76 4.70 19.18 28.19	62.68
22 13 16 00-0157	EA		3" Bell And Spigot Cast Iron Sanitary Tee <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	169.68 5.14 23.42 30.83	68.55
22 13 16 00-0158	EA		4" Bell And Spigot Cast Iron Sanitary Tee <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	278.21 6.30 53.29 37.79	83.97
22 13 16 00-0159	EA		5" Bell And Spigot Cast Iron Sanitary Tee <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	409.55 6.93 94.86 41.55	92.34
22 13 16 00-0160	EA		6" Bell And Spigot Cast Iron Sanitary Tee <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	491.32 8.30 113.84 49.82	110.75



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>Facility Sanitary Sewerage</b>	<b>22 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0161 EA 8" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,073.94 10.88 299.74 65.27	145.10
22 13 16 00-0162 EA 10" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,621.72 13.27 474.73 79.60	176.95
22 13 16 00-0163 EA 12" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,430.48 15.59 741.57 93.51	207.86
<b>22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)</b>		
22 13 16 00-0165 EA 3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	203.07 4.91 36.74 29.43	65.42
22 13 16 00-0166 EA 4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.59 5.74 44.00 34.46	76.65
22 13 16 00-0167 EA 4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	252.70 5.74 48.24 34.46	76.65
22 13 16 00-0168 EA 6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	384.95 7.94 79.12 47.67	106.03
22 13 16 00-0169 EA 6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	401.24 8.10 83.77 48.57	107.97
22 13 16 00-0170 EA 6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	435.68 8.64 92.04 51.81	115.19
22 13 16 00-0171 EA 8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	754.54 10.22 192.56 61.31	136.31
22 13 16 00-0172 EA 8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	951.12 11.37 253.31 68.21	151.62
<b>22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)</b>		
22 13 16 00-0174 EA 2" Bell And Spigot Cast Iron Vent Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.89 4.69 11.20 28.16	62.59
22 13 16 00-0175 EA 3" Bell And Spigot Cast Iron Vent Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	158.49 5.14 19.50 30.83	68.55
22 13 16 00-0176 EA 4" Bell And Spigot Cast Iron Vent Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	210.13 6.73 26.42 40.39	89.83
22 13 16 00-0177 EA 5" Bell And Spigot Cast Iron Vent Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	269.60 7.85 39.42 47.09	104.73
22 13 16 00-0178 EA 6" Bell And Spigot Cast Iron Vent Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	339.82 9.74 50.79 58.42	129.90
22 13 16 00-0179 EA 8" Bell And Spigot Cast Iron Vent Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	593.99 12.82 118.18 76.90	171.00
<b>22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)</b>		
22 13 16 00-0181 EA 2" Bell And Spigot Cast Iron Tapped Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.63 4.69 12.51 28.16	62.59
22 13 16 00-0182 EA 3" Bell And Spigot Cast Iron Tapped Sanitary Tee ..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	143.21 5.14 14.15 30.83	68.55



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0183	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Tee .....	184.47	89.83
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.73	
			<i>For Extra Heavy Fittings, Add</i>	17.44	
			<i>For Work In Restricted Working Space, Add</i>	40.39	
<b>22 13 16 00-0184</b>			<b>Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)</b>		
22 13 16 00-0185	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Cross .....	132.00	62.59
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.69	
			<i>For Extra Heavy Fittings, Add</i>	13.34	
			<i>For Work In Restricted Working Space, Add</i>	28.16	
22 13 16 00-0186	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Cross .....	147.70	68.55
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.14	
			<i>For Extra Heavy Fittings, Add</i>	15.72	
			<i>For Work In Restricted Working Space, Add</i>	30.83	
22 13 16 00-0187	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Cross .....	195.77	89.83
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.73	
			<i>For Extra Heavy Fittings, Add</i>	21.40	
			<i>For Work In Restricted Working Space, Add</i>	40.39	
<b>22 13 16 00-0188</b>			<b>Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)</b>		
22 13 16 00-0189	EA		3" x 2" Bell And Spigot Cast Iron Reducer .....	73.02	35.25
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.64	
			<i>For Extra Heavy Fittings, Add</i>	7.08	
			<i>For Work In Restricted Working Space, Add</i>	15.83	
22 13 16 00-0190	EA		4" x 2" Bell And Spigot Cast Iron Reducer .....	90.91	46.48
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.49	
			<i>For Extra Heavy Fittings, Add</i>	7.41	
			<i>For Work In Restricted Working Space, Add</i>	20.93	
22 13 16 00-0191	EA		4" x 3" Bell And Spigot Cast Iron Reducer .....	97.75	46.86
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.51	
			<i>For Extra Heavy Fittings, Add</i>	9.63	
			<i>For Work In Restricted Working Space, Add</i>	21.07	
22 13 16 00-0192	EA		6" x 2" Bell And Spigot Cast Iron Reducer .....	124.07	56.07
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.21	
			<i>For Extra Heavy Fittings, Add</i>	13.99	
			<i>For Work In Restricted Working Space, Add</i>	25.23	
22 13 16 00-0193	EA		6" x 3" Bell And Spigot Cast Iron Reducer .....	130.13	56.81
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.26	
			<i>For Extra Heavy Fittings, Add</i>	15.72	
			<i>For Work In Restricted Working Space, Add</i>	25.56	
22 13 16 00-0194	EA		6" x 4" Bell And Spigot Cast Iron Reducer .....	134.45	58.01
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.35	
			<i>For Extra Heavy Fittings, Add</i>	16.63	
			<i>For Work In Restricted Working Space, Add</i>	26.08	
22 13 16 00-0195	EA		8" x 2" Bell And Spigot Cast Iron Reducer .....	177.34	59.77
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.48	
			<i>For Extra Heavy Fittings, Add</i>	30.70	
			<i>For Work In Restricted Working Space, Add</i>	26.89	
22 13 16 00-0196	EA		8" x 3" Bell And Spigot Cast Iron Reducer .....	199.03	73.63
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.52	
			<i>For Extra Heavy Fittings, Add</i>	31.02	
			<i>For Work In Restricted Working Space, Add</i>	33.12	
22 13 16 00-0197	EA		8" x 4" Bell And Spigot Cast Iron Reducer .....	204.27	75.53
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.66	
			<i>For Extra Heavy Fittings, Add</i>	31.85	
			<i>For Work In Restricted Working Space, Add</i>	33.98	
22 13 16 00-0198	EA		8" x 6" Bell And Spigot Cast Iron Reducer .....	210.82	78.83
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.91	
			<i>For Extra Heavy Fittings, Add</i>	32.43	
			<i>For Work In Restricted Working Space, Add</i>	35.45	
22 13 16 00-0199	EA		10" x 4" Bell And Spigot Cast Iron Reducer .....	265.31	88.48
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.63	
			<i>For Extra Heavy Fittings, Add</i>	46.42	
			<i>For Work In Restricted Working Space, Add</i>	39.80	
22 13 16 00-0200	EA		10" x 6" Bell And Spigot Cast Iron Reducer .....	279.79	92.92
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.97	
			<i>For Extra Heavy Fittings, Add</i>	49.15	
			<i>For Work In Restricted Working Space, Add</i>	41.81	
22 13 16 00-0201	EA		10" x 8" Bell And Spigot Cast Iron Reducer .....	298.54	96.98
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.27	
			<i>For Extra Heavy Fittings, Add</i>	53.59	
			<i>For Work In Restricted Working Space, Add</i>	43.63	
22 13 16 00-0202	EA		12" x 4" Bell And Spigot Cast Iron Reducer .....	374.09	105.12
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.88	
			<i>For Extra Heavy Fittings, Add</i>	75.79	
			<i>For Work In Restricted Working Space, Add</i>	47.26	
22 13 16 00-0203	EA		12" x 6" Bell And Spigot Cast Iron Reducer .....	416.04	122.98
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.22	
			<i>For Extra Heavy Fittings, Add</i>	81.06	
			<i>For Work In Restricted Working Space, Add</i>	55.33	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0204	EA		12" x 8" Bell And Spigot Cast Iron Reducer..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	448.52 10.50 83.46 63.02	140.09
22 13 16 00-0205	EA		12" x 10" Bell And Spigot Cast Iron Reducer..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	489.77 12.10 86.75 72.57	161.35
22 13 16 00-0206	EA		15" x 6" Bell And Spigot Cast Iron Reducer..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	650.15 12.10 142.88 72.57	161.35
22 13 16 00-0207	EA		15" x 8" Bell And Spigot Cast Iron Reducer..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	691.32 13.04 150.70 78.23	173.93
22 13 16 00-0208	EA		15" x 10" Bell And Spigot Cast Iron Reducer..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	719.39 13.75 155.54 82.50	183.38
22 13 16 00-0209	EA		15" x 12" Bell And Spigot Cast Iron Reducer..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	757.52 14.68 162.38 88.07	195.76
<b>22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)</b>					
22 13 16 00-0211	EA		2" Bell And Spigot Cast Iron P-Trap..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.60 2.10 12.11 12.60	28.02
22 13 16 00-0212	EA		3" Bell And Spigot Cast Iron P-Trap..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.12 2.64 17.62 15.83	35.25
22 13 16 00-0213	EA		4" Bell And Spigot Cast Iron P-Trap..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.77 3.51 24.69 21.07	46.86
22 13 16 00-0214	EA		5" Bell And Spigot Cast Iron P-Trap..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	229.00 3.89 52.92 23.34	51.90
22 13 16 00-0215	EA		6" Bell And Spigot Cast Iron P-Trap..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	309.29 4.58 76.22 27.46	61.06
22 13 16 00-0216	EA		8" Bell And Spigot Cast Iron P-Trap..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	699.45 5.91 203.46 35.45	78.83
22 13 16 00-0217	EA		10" Bell And Spigot Cast Iron P-Trap..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	773.45 7.27 219.81 43.63	96.98
<b>22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)</b>					
22 13 16 00-0219	EA		2" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.75 2.10 16.71 12.60	28.02
22 13 16 00-0220	EA		3" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.96 2.64 26.66 15.83	35.25
22 13 16 00-0221	EA		4" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	188.81 3.51 41.50 21.07	46.86
22 13 16 00-0222	EA		5" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	314.09 4.35 79.51 26.08	58.01
22 13 16 00-0223	EA		6" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	332.65 4.85 82.47 29.10	64.68
<b>22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)</b>					
22 13 16 00-0225	EA		3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	206.13 5.14 30.83	67.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0226 EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	275.33	88.95
For Above Ground Cast Iron Pipe Installation, Add	6.73	
For Work In Restricted Working Space, Add	40.39	
22 13 16 00-0227 EA 5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	376.32	100.76
For Above Ground Cast Iron Pipe Installation, Add	7.62	
For Work In Restricted Working Space, Add	45.69	
22 13 16 00-0228 EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	775.71	114.17
For Above Ground Cast Iron Pipe Installation, Add	8.64	
For Work In Restricted Working Space, Add	51.81	
22 13 16 00-0229 EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	2,598.29	134.79
For Above Ground Cast Iron Pipe Installation, Add	10.22	
For Work In Restricted Working Space, Add	61.31	
22 13 16 00-0230 EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent.....	2,812.42	150.40
For Above Ground Cast Iron Pipe Installation, Add	11.37	
For Work In Restricted Working Space, Add	68.21	
<b>22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent (22 13 16 00-0030)</b>		
22 13 16 00-0232 EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent.....	262.27	93.45
For Above Ground Cast Iron Pipe Installation, Add	7.08	
For Work In Restricted Working Space, Add	42.45	
22 13 16 00-0233 EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	360.23	117.95
For Above Ground Cast Iron Pipe Installation, Add	8.95	
For Work In Restricted Working Space, Add	53.73	
22 13 16 00-0234 EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	861.55	141.09
For Above Ground Cast Iron Pipe Installation, Add	10.70	
For Work In Restricted Working Space, Add	64.21	
22 13 16 00-0235 EA 6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent.....	997.73	170.79
For Above Ground Cast Iron Pipe Installation, Add	12.94	
For Work In Restricted Working Space, Add	77.64	
22 13 16 00-0236 EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	2,794.48	163.43
For Above Ground Cast Iron Pipe Installation, Add	12.40	
For Work In Restricted Working Space, Add	74.38	
22 13 16 00-0237 EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent.....	3,063.36	194.06
For Above Ground Cast Iron Pipe Installation, Add	14.68	
For Work In Restricted Working Space, Add	88.07	
22 13 16 00-0238 EA 10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent.....	4,081.77	223.94
For Above Ground Cast Iron Pipe Installation, Add	16.99	
For Work In Restricted Working Space, Add	101.92	
22 13 16 00-0239 EA 12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent.....	5,660.92	258.91
For Above Ground Cast Iron Pipe Installation, Add	19.61	
For Work In Restricted Working Space, Add	117.67	
22 13 16 00-0240 EA 15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent.....	11,065.20	299.46
For Above Ground Cast Iron Pipe Installation, Add	22.70	
For Work In Restricted Working Space, Add	136.17	
<b>22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings (22 13 16 00-0030)</b>		
22 13 16 00-0242 EA 2" Bell And Spigot Cast Iron Scission Joint Fitting.....	165.40	
For Above Ground Cast Iron Pipe Installation, Add	2.09	
For Work In Restricted Working Space, Add	12.57	
22 13 16 00-0243 EA 3" Bell And Spigot Cast Iron Scission Joint Fitting.....	229.80	
For Above Ground Cast Iron Pipe Installation, Add	2.35	
For Work In Restricted Working Space, Add	14.12	
22 13 16 00-0244 EA 4" Bell And Spigot Cast Iron Scission Joint Fitting.....	264.01	
For Above Ground Cast Iron Pipe Installation, Add	3.15	
For Work In Restricted Working Space, Add	18.91	
22 13 16 00-0245 EA 5" Bell And Spigot Cast Iron Scission Joint Fitting.....	326.75	
For Above Ground Cast Iron Pipe Installation, Add	3.66	
For Work In Restricted Working Space, Add	21.97	
22 13 16 00-0246 EA 6" Bell And Spigot Cast Iron Scission Joint Fitting.....	396.87	
For Above Ground Cast Iron Pipe Installation, Add	4.42	
For Work In Restricted Working Space, Add	26.54	
22 13 16 00-0247 EA 8" Bell And Spigot Cast Iron Scission Joint Fitting.....	760.38	
For Above Ground Cast Iron Pipe Installation, Add	5.59	
For Work In Restricted Working Space, Add	33.54	
<b>22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe (22 13 16 00-0019)</b>		
Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0249 EA 2", Cut And Prepare Existing In-Place Cast Iron Pipe.....	11.67	
For Above Ground Cast Iron Pipe Installation, Add	0.58	
For Work In Restricted Working Space, Add	3.50	
22 13 16 00-0250 EA 3", Cut And Prepare Existing In-Place Cast Iron Pipe.....	12.73	
For Above Ground Cast Iron Pipe Installation, Add	0.64	
For Work In Restricted Working Space, Add	3.82	
22 13 16 00-0251 EA 4", Cut And Prepare Existing In-Place Cast Iron Pipe.....	15.90	
For Above Ground Cast Iron Pipe Installation, Add	0.80	
For Work In Restricted Working Space, Add	4.77	
22 13 16 00-0252 EA 6", Cut And Prepare Existing In-Place Cast Iron Pipe.....	19.08	
For Above Ground Cast Iron Pipe Installation, Add	0.95	
For Work In Restricted Working Space, Add	5.72	
22 13 16 00-0253 EA 8", Cut And Prepare Existing In-Place Cast Iron Pipe.....	25.45	
For Above Ground Cast Iron Pipe Installation, Add	1.27	
For Work In Restricted Working Space, Add	7.64	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0254	EA		10", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.68 1.48 8.90	
22 13 16 00-0255	EA		12", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.99 1.75 10.50	
22 13 16 00-0256	EA		15", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.29 2.01 12.09	
<b>22 13 16 00-0257</b>			<b>Joint Material</b> (22 13 16 00-0019) Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258	LB		Lead (1 LB/Diameter Inch) Joint Material .....	6.03	
22 13 16 00-0259	LB		Oakum (1/8 LB/Diameter Inch) Joint Material .....	16.96	
22 13 16 00-0260	EA		2" Dual Tite Rubber Gasket .....	3.17	
22 13 16 00-0261	EA		3" Dual Tite Rubber Gasket .....	4.34	
22 13 16 00-0262	EA		4" Dual Tite Rubber Gasket .....	5.40	
22 13 16 00-0263	EA		6" Dual Tite Rubber Gasket .....	8.95	
22 13 16 00-0264	EA		8" Dual Tite Rubber Gasket .....	19.75	
22 13 16 00-0265	EA		10" Dual Tite Rubber Gasket .....	30.28	
22 13 16 00-0266	EA		12" Dual Tite Rubber Gasket .....	38.57	
22 13 16 00-0267	EA		15" Dual Tite Rubber Gasket .....	45.81	
<b>22 13 16 00-0268</b>			<b>No Hub Cast Iron Soil Pipe And Fittings</b> (22 13 16) Note: Service Weight. Excludes hangers.		
<b>22 13 16 00-0269</b>			<b>No Hub Cast Iron Pipe</b> (22 13 16 00-0268) Note: Excludes couplings.		
22 13 16 00-0270	LF		1-1/2" No Hub Cast Iron Pipe .....	16.80	5.86
			<i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	2.64 0.44	
22 13 16 00-0271	LF		2" No Hub Cast Iron Pipe.....	17.84	6.25
			<i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	2.83 0.47	
22 13 16 00-0272	LF		3" No Hub Cast Iron Pipe.....	25.29	9.08
			<i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	4.10 0.68	
22 13 16 00-0273	LF		4" No Hub Cast Iron Pipe.....	32.81	11.81
			<i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	5.33 0.89	
22 13 16 00-0274	LF		5" No Hub Cast Iron Pipe.....	42.21	14.16
			<i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	6.37 1.06	
22 13 16 00-0275	LF		6" No Hub Cast Iron Pipe.....	49.08	15.45
			<i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	6.94 1.16	
22 13 16 00-0276	LF		8" No Hub Cast Iron Pipe.....	74.81	22.21
			<i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	9.97 1.66	
22 13 16 00-0277	LF		10" No Hub Cast Iron Pipe.....	106.72	25.24
			<i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	11.34 1.89	
<b>22 13 16 00-0278</b>			<b>No Hub Cast Iron Fittings</b> (22 13 16 00-0268)		
<b>22 13 16 00-0279</b>			<b>No Hub Cast Iron Long Sweeps</b> (22 13 16 00-0278)		
22 13 16 00-0280	EA		1-1/2" No Hub Cast Iron Long Sweep.....	58.63	26.56
			<i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	11.96 1.99	
22 13 16 00-0281	EA		2" No Hub Cast Iron Long Sweep .....	60.79	27.73
			<i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	12.47 2.08	
22 13 16 00-0282	EA		3" No Hub Cast Iron Long Sweep .....	71.75	31.73
			<i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	14.29 2.38	
22 13 16 00-0283	EA		4" No Hub Cast Iron Long Sweep .....	98.93	41.99
			<i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	18.90 3.15	
22 13 16 00-0284	EA		5" No Hub Cast Iron Long Sweep .....	136.20	46.72
			<i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	21.01 3.50	
22 13 16 00-0285	EA		6" No Hub Cast Iron Long Sweep .....	161.58	55.70
			<i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	25.07 4.18	
22 13 16 00-0286	EA		8" No Hub Cast Iron Long Sweep .....	321.31	72.03
			<i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	32.41 5.40	
<b>22 13 16 00-0287</b>			<b>No Hub Cast Iron Reducing Long Sweeps</b> (22 13 16 00-0278)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0288 EA 3" x 2" No Hub Cast Iron Reducing Long Sweep.....	91.61	31.73
For Work In Restricted Working Space, Add	14.29	
For Below Ground Installation, Add	2.38	
22 13 16 00-0289 EA 4" x 3" No Hub Cast Iron Reducing Long Sweep.....	136.80	41.99
For Work In Restricted Working Space, Add	18.90	
For Below Ground Installation, Add	3.15	
<b>22 13 16 00-0290 No Hub Cast Iron Short Sweeps (22 13 16 00-0278)</b>		
22 13 16 00-0291 EA 2" No Hub Cast Iron Short Sweep.....	56.80	27.73
For Work In Restricted Working Space, Add	12.47	
For Below Ground Installation, Add	2.08	
22 13 16 00-0292 EA 3" No Hub Cast Iron Short Sweep.....	68.58	31.73
For Work In Restricted Working Space, Add	14.29	
For Below Ground Installation, Add	2.38	
22 13 16 00-0293 EA 4" No Hub Cast Iron Short Sweep.....	97.27	41.99
For Work In Restricted Working Space, Add	18.90	
For Below Ground Installation, Add	3.15	
22 13 16 00-0294 EA 5" No Hub Cast Iron Short Sweep.....	136.82	46.72
For Work In Restricted Working Space, Add	21.01	
For Below Ground Installation, Add	3.50	
22 13 16 00-0295 EA 6" No Hub Cast Iron Short Sweep.....	151.88	55.70
For Work In Restricted Working Space, Add	25.07	
For Below Ground Installation, Add	4.18	
22 13 16 00-0296 EA 8" No Hub Cast Iron Short Sweep.....	292.00	72.03
For Work In Restricted Working Space, Add	32.41	
For Below Ground Installation, Add	5.40	
22 13 16 00-0297 EA 10" No Hub Cast Iron Short Sweep.....	474.84	100.86
For Work In Restricted Working Space, Add	45.37	
For Below Ground Installation, Add	7.56	
<b>22 13 16 00-0298 No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)</b>		
22 13 16 00-0299 EA 1-1/2" No Hub Cast Iron 1/4 Bend.....	51.68	26.56
For Work In Restricted Working Space, Add	11.96	
For Below Ground Installation, Add	1.99	
22 13 16 00-0300 EA 2" No Hub Cast Iron 1/4 Bend.....	54.05	27.73
For Work In Restricted Working Space, Add	12.47	
For Below Ground Installation, Add	2.08	
22 13 16 00-0301 EA 3" No Hub Cast Iron 1/4 Bend.....	64.12	31.73
For Work In Restricted Working Space, Add	14.29	
For Below Ground Installation, Add	2.38	
22 13 16 00-0302 EA 4" No Hub Cast Iron 1/4 Bend.....	87.42	41.99
For Work In Restricted Working Space, Add	18.90	
For Below Ground Installation, Add	3.15	
22 13 16 00-0303 EA 5" No Hub Cast Iron 1/4 Bend.....	124.58	46.72
For Work In Restricted Working Space, Add	21.01	
For Below Ground Installation, Add	3.50	
22 13 16 00-0304 EA 6" No Hub Cast Iron 1/4 Bend.....	144.05	55.70
For Work In Restricted Working Space, Add	25.07	
For Below Ground Installation, Add	4.18	
22 13 16 00-0305 EA 8" No Hub Cast Iron 1/4 Bend.....	269.18	72.03
For Work In Restricted Working Space, Add	32.41	
For Below Ground Installation, Add	5.40	
<b>22 13 16 00-0306 No Hub Cast Iron 1/8 Bends (22 13 16 00-0278)</b>		
22 13 16 00-0307 EA 1-1/2" No Hub Cast Iron 1/8 Bend.....	49.13	26.56
For Work In Restricted Working Space, Add	11.96	
For Below Ground Installation, Add	1.99	
22 13 16 00-0308 EA 2" No Hub Cast Iron 1/8 Bend.....	51.04	27.73
For Work In Restricted Working Space, Add	12.47	
For Below Ground Installation, Add	2.08	
22 13 16 00-0309 EA 3" No Hub Cast Iron 1/8 Bend.....	61.17	31.73
For Work In Restricted Working Space, Add	14.29	
For Below Ground Installation, Add	2.38	
22 13 16 00-0310 EA 4" No Hub Cast Iron 1/8 Bend.....	80.78	41.99
For Work In Restricted Working Space, Add	18.90	
For Below Ground Installation, Add	3.15	
22 13 16 00-0311 EA 6" No Hub Cast Iron 1/8 Bend.....	133.60	62.01
For Work In Restricted Working Space, Add	27.90	
For Below Ground Installation, Add	4.65	
22 13 16 00-0312 EA 8" No Hub Cast Iron 1/8 Bend.....	230.15	81.43
For Work In Restricted Working Space, Add	36.62	
For Below Ground Installation, Add	6.10	
22 13 16 00-0313 EA 10" No Hub Cast Iron 1/8 Bend.....	354.11	100.18
For Work In Restricted Working Space, Add	45.07	
For Below Ground Installation, Add	7.51	
<b>22 13 16 00-0314 No Hub Cast Iron Wyes (22 13 16 00-0278)</b>		
22 13 16 00-0315 EA 1-1/2" No Hub Cast Iron Wye.....	79.08	41.79
For Work In Restricted Working Space, Add	18.78	
For Below Ground Installation, Add	3.13	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0316	EA 2" No Hub Cast Iron Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		101.61 25.47 4.25	56.63
22 13 16 00-0317	EA 3" No Hub Cast Iron Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		115.81 27.90 4.65	62.01
22 13 16 00-0318	EA 4" No Hub Cast Iron Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		159.09 36.62 6.10	81.43
22 13 16 00-0319	EA 5" No Hub Cast Iron Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		216.48 40.91 6.82	90.95
22 13 16 00-0320	EA 6" No Hub Cast Iron Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		256.88 48.57 8.10	107.97
22 13 16 00-0321	EA 8" No Hub Cast Iron Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		439.19 64.82 10.80	144.15
22 13 16 00-0322	EA 10" No Hub Cast Iron Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		723.20 72.02 12.00	160.13
<b>22 13 16 00-0323</b>	<b>No Hub Cast Iron Reducing Wyes (22 13 16 00-0278)</b>			
22 13 16 00-0324	EA 3" x 1-1/2" No Hub Cast Iron Reducing Wye ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		99.03 24.31 4.05	54.09
22 13 16 00-0325	EA 3" x 2" No Hub Cast Iron Reducing Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		110.99 27.90 4.65	62.01
22 13 16 00-0326	EA 4" x 2" No Hub Cast Iron Reducing Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		125.81 30.83 5.14	68.55
22 13 16 00-0327	EA 4" x 3" No Hub Cast Iron Reducing Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		145.06 34.26 5.71	76.16
22 13 16 00-0328	EA 6" x 2" No Hub Cast Iron Reducing Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		188.99 41.34 6.89	91.87
22 13 16 00-0329	EA 6" x 3" No Hub Cast Iron Reducing Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		201.66 43.18 7.20	96.03
22 13 16 00-0330	EA 6" x 4" No Hub Cast Iron Reducing Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		231.45 50.47 8.41	112.23
22 13 16 00-0331	EA 8" x 4" No Hub Cast Iron Reducing Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		297.68 50.98 8.50	113.34
22 13 16 00-0332	EA 8" x 6" No Hub Cast Iron Reducing Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		344.50 56.02 9.34	124.58
22 13 16 00-0333	EA 10" x 4" No Hub Cast Iron Reducing Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		533.13 59.70 9.95	132.72
22 13 16 00-0334	EA 10" x 6" No Hub Cast Iron Reducing Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		562.61 63.91 10.65	142.07
22 13 16 00-0335	EA 10" x 8" No Hub Cast Iron Reducing Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		647.24 68.23 11.37	151.72
<b>22 13 16 00-0336</b>	<b>No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0278)</b>			
22 13 16 00-0337	EA 1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		89.56 21.86 3.64	48.63
22 13 16 00-0338	EA 2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		102.29 25.47 4.25	56.63
22 13 16 00-0339	EA 3" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		120.89 27.90 4.65	62.01
22 13 16 00-0340	EA 4" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		173.46 36.62 6.10	81.43
22 13 16 00-0341	EA 6" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		317.18 56.33 9.39	125.27
22 13 16 00-0342	EA 8" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		565.66 72.29 12.05	160.71
22 13 16 00-0343	EA 10" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>		664.11 87.39 14.56	194.30



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0344			<b>No Hub Cast Iron Reducing Combination Wye And 1/8 Bends</b> (22 13 16 00-0278)		
22 13 16 00-0345	EA		2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	103.12	56.63
			<i>For Work In Restricted Working Space, Add</i>	25.47	
			<i>For Below Ground Installation, Add</i>	4.25	
22 13 16 00-0346	EA		3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	113.53	62.01
			<i>For Work In Restricted Working Space, Add</i>	27.90	
			<i>For Below Ground Installation, Add</i>	4.65	
22 13 16 00-0347	EA		4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	130.89	68.55
			<i>For Work In Restricted Working Space, Add</i>	30.83	
			<i>For Below Ground Installation, Add</i>	5.14	
22 13 16 00-0348	EA		4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	149.99	76.16
			<i>For Work In Restricted Working Space, Add</i>	34.26	
			<i>For Below Ground Installation, Add</i>	5.71	
22 13 16 00-0349	EA		6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	203.78	91.87
			<i>For Work In Restricted Working Space, Add</i>	41.34	
			<i>For Below Ground Installation, Add</i>	6.89	
22 13 16 00-0350	EA		6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	227.49	96.03
			<i>For Work In Restricted Working Space, Add</i>	43.18	
			<i>For Below Ground Installation, Add</i>	7.20	
22 13 16 00-0351	EA		6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	254.06	112.23
			<i>For Work In Restricted Working Space, Add</i>	50.47	
			<i>For Below Ground Installation, Add</i>	8.41	
22 13 16 00-0352	EA		8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	339.95	113.34
			<i>For Work In Restricted Working Space, Add</i>	50.98	
			<i>For Below Ground Installation, Add</i>	8.50	
22 13 16 00-0353	EA		8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	441.13	124.58
			<i>For Work In Restricted Working Space, Add</i>	56.02	
			<i>For Below Ground Installation, Add</i>	9.34	
22 13 16 00-0354			<b>No Hub Cast Iron Double Wyes</b> (22 13 16 00-0278)		
22 13 16 00-0355	EA		2" No Hub Cast Iron Double Wye .....	128.84	70.40
			<i>For Work In Restricted Working Space, Add</i>	31.67	
			<i>For Below Ground Installation, Add</i>	5.28	
22 13 16 00-0356	EA		3" No Hub Cast Iron Double Wye .....	171.43	85.73
			<i>For Work In Restricted Working Space, Add</i>	38.54	
			<i>For Below Ground Installation, Add</i>	6.42	
22 13 16 00-0357	EA		4" No Hub Cast Iron Double Wye .....	228.87	93.74
			<i>For Work In Restricted Working Space, Add</i>	42.15	
			<i>For Below Ground Installation, Add</i>	7.02	
22 13 16 00-0358	EA		6" No Hub Cast Iron Double Wye .....	356.26	136.10
			<i>For Work In Restricted Working Space, Add</i>	61.19	
			<i>For Below Ground Installation, Add</i>	10.20	
22 13 16 00-0359	EA		8" No Hub Cast Iron Double Wye .....	687.39	183.38
			<i>For Work In Restricted Working Space, Add</i>	82.50	
			<i>For Below Ground Installation, Add</i>	13.75	
22 13 16 00-0360			<b>No Hub Cast Iron Reducing Double Wyes</b> (22 13 16 00-0278)		
22 13 16 00-0361	EA		3" x 2" No Hub Cast Iron Double Wye .....	153.76	78.01
			<i>For Work In Restricted Working Space, Add</i>	35.08	
			<i>For Below Ground Installation, Add</i>	5.85	
22 13 16 00-0362	EA		4" x 2" No Hub Cast Iron Double Wye .....	184.16	89.83
			<i>For Work In Restricted Working Space, Add</i>	40.40	
			<i>For Below Ground Installation, Add</i>	6.73	
22 13 16 00-0363	EA		4" x 3" No Hub Cast Iron Double Wye .....	202.63	97.93
			<i>For Work In Restricted Working Space, Add</i>	44.05	
			<i>For Below Ground Installation, Add</i>	7.34	
22 13 16 00-0364	EA		6" x 4" No Hub Cast Iron Double Wye .....	303.40	120.00
			<i>For Work In Restricted Working Space, Add</i>	53.97	
			<i>For Below Ground Installation, Add</i>	9.00	
22 13 16 00-0365			<b>No Hub Cast Iron Double Combination Wye And 1/8 Bends</b> (22 13 16 00-0278)		
22 13 16 00-0366	EA		2" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	167.62	84.56
			<i>For Work In Restricted Working Space, Add</i>	38.04	
			<i>For Below Ground Installation, Add</i>	6.34	
22 13 16 00-0367	EA		3" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	203.72	93.74
			<i>For Work In Restricted Working Space, Add</i>	42.15	
			<i>For Below Ground Installation, Add</i>	7.02	
22 13 16 00-0368	EA		4" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	306.74	124.10
			<i>For Work In Restricted Working Space, Add</i>	55.80	
			<i>For Below Ground Installation, Add</i>	9.30	
22 13 16 00-0369	EA		6" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	428.15	191.57
			<i>For Work In Restricted Working Space, Add</i>	86.15	
			<i>For Below Ground Installation, Add</i>	14.36	
22 13 16 00-0370			<b>No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends</b> (22 13 16 00-0278)		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0371	EA 3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	156.44 32.73 5.45		72.74
22 13 16 00-0372	EA 4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	181.36 38.04 6.34		84.56
22 13 16 00-0373	EA 4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	217.81 41.55 6.93		92.37
<b>22 13 16 00-0374</b>	<b>No Hub Cast Iron Sanitary Tees (22 13 16 00-0278)</b>			
22 13 16 00-0375	EA 1-1/2" No Hub Cast Iron Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	77.07 18.42 3.07		40.91
22 13 16 00-0376	EA 2" No Hub Cast Iron Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	102.44 25.47 4.25		56.63
22 13 16 00-0377	EA 3" No Hub Cast Iron Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	113.94 27.90 4.65		62.01
22 13 16 00-0378	EA 4" No Hub Cast Iron Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	154.84 36.62 6.10		81.43
22 13 16 00-0379	EA 5" No Hub Cast Iron Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	217.37 40.91 6.82		90.95
22 13 16 00-0380	EA 6" No Hub Cast Iron Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	256.26 48.57 8.10		107.97
22 13 16 00-0381	EA 8" No Hub Cast Iron Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	491.63 64.82 10.80		144.15
<b>22 13 16 00-0382</b>	<b>No Hub Cast Iron Reducing Sanitary Tees (22 13 16 00-0278)</b>			
22 13 16 00-0383	EA 2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	86.78 20.78 3.46		46.18
22 13 16 00-0384	EA 3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	100.48 24.31 4.05		54.09
22 13 16 00-0385	EA 3" x 2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	104.36 25.47 4.25		56.63
22 13 16 00-0386	EA 3" x 4" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	124.43 25.47 4.25		56.63
22 13 16 00-0387	EA 4" x 2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	139.82 34.46 5.74		76.65
22 13 16 00-0388	EA 4" x 3" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	144.69 34.46 5.74		76.65
22 13 16 00-0389	EA 5" x 2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	187.47 38.86 6.48		86.41
22 13 16 00-0390	EA 5" x 3" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	194.26 38.86 6.48		86.41
22 13 16 00-0391	EA 5" x 4" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	195.09 38.86 6.48		86.41
22 13 16 00-0392	EA 6" x 4" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	202.41 40.48 6.75		90.03
22 13 16 00-0393	EA 8" x 6" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	387.56 54.67 9.11		121.57
<b>22 13 16 00-0394</b>	<b>No Hub Cast Iron Sanitary Tapped Tees (22 13 16 00-0278)</b>			
22 13 16 00-0395	EA 2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	59.13 12.47 2.08		27.73
22 13 16 00-0396	EA 3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	68.74 14.29 2.38		31.73
22 13 16 00-0397	EA 4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	84.57 18.90 3.15		41.99
<b>22 13 16 00-0398</b>	<b>No Hub Cast Iron Cleanout Tees (22 13 16 00-0278)</b>			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0399 EA 2" No Hub Cast Iron Cleanout Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	56.07 12.47 2.08	27.73
22 13 16 00-0400 EA 3" No Hub Cast Iron Cleanout Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	70.97 14.29 2.38	31.73
22 13 16 00-0401 EA 4" No Hub Cast Iron Cleanout Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	104.02 18.90 3.15	41.99
22 13 16 00-0402 EA 6" No Hub Cast Iron Cleanout Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	173.02 27.90 4.65	62.01
<b>22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0278)</b>		
22 13 16 00-0404 EA 4" No Hub Cast Iron Single Two-Way Cleanout Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	239.21 36.62 6.10	81.43
22 13 16 00-0405 EA 4" No Hub Cast Iron Double Two-Way Cleanout Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	294.29 55.65 9.28	123.71
<b>22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs (22 13 16 00-0278)</b>		
22 13 16 00-0407 EA 2" No Hub Cast Iron Cleanout Plug ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	47.72 12.47 2.08	27.73
22 13 16 00-0408 EA 3" No Hub Cast Iron Cleanout Plug ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	57.33 14.29 2.38	31.73
22 13 16 00-0409 EA 4" No Hub Cast Iron Cleanout Plug ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	81.40 18.90 3.15	41.99
22 13 16 00-0410 EA 6" No Hub Cast Iron Cleanout Plug ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	127.38 27.90 4.65	62.01
22 13 16 00-0411 EA 8" No Hub Cast Iron Cleanout Plug ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	169.31 36.62 6.10	81.43
<b>22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)</b>		
22 13 16 00-0413 EA 1-1/2" No Hub Cast Iron Sanitary Cross ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	103.22 24.62 4.10	54.68
22 13 16 00-0414 EA 2" No Hub Cast Iron Sanitary Cross ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	111.36 25.47 4.25	56.63
22 13 16 00-0415 EA 3" No Hub Cast Iron Sanitary Cross ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	134.64 27.90 4.65	62.01
22 13 16 00-0416 EA 4" No Hub Cast Iron Sanitary Cross ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	200.33 36.62 6.10	81.43
<b>22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses (22 13 16 00-0278)</b>		
22 13 16 00-0418 EA 3" x 2" No Hub Cast Iron Sanitary Cross ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	146.52 32.72 5.45	72.74
22 13 16 00-0419 EA 4" x 2" No Hub Cast Iron Sanitary Cross ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	165.19 33.68 5.61	74.89
22 13 16 00-0420 EA 4" x 3" No Hub Cast Iron Sanitary Cross ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	181.04 35.16 5.86	78.22
<b>22 13 16 00-0421 No Hub Cast Iron Reducers (22 13 16 00-0278)</b>		
22 13 16 00-0422 EA 3" x 2" No Hub Cast Iron Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	93.78 25.47 4.25	56.63
22 13 16 00-0423 EA 4" x 2" No Hub Cast Iron Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	128.41 34.46 5.74	76.65
22 13 16 00-0424 EA 4" x 3" No Hub Cast Iron Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	128.82 34.46 5.74	76.65
22 13 16 00-0425 EA 5" x 2" No Hub Cast Iron Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	149.40 38.86 6.48	86.41
22 13 16 00-0426 EA 5" x 3" No Hub Cast Iron Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	152.14 38.86 6.48	86.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0427 EA 5" x 4" No Hub Cast Iron Reducer .....	153.23	86.41
For Work In Restricted Working Space, Add	38.86	
For Below Ground Installation, Add	6.48	
22 13 16 00-0428 EA 6" x 3" No Hub Cast Iron Reducer .....	178.21	96.03
For Work In Restricted Working Space, Add	43.18	
For Below Ground Installation, Add	7.20	
22 13 16 00-0429 EA 6" x 4" No Hub Cast Iron Reducer .....	178.63	96.03
For Work In Restricted Working Space, Add	43.18	
For Below Ground Installation, Add	7.20	
22 13 16 00-0430 EA 6" x 5" No Hub Cast Iron Reducer .....	179.87	96.03
For Work In Restricted Working Space, Add	43.18	
For Below Ground Installation, Add	7.20	
22 13 16 00-0431 EA 8" x 2" No Hub Cast Iron Reducer .....	247.35	134.51
For Work In Restricted Working Space, Add	60.50	
For Below Ground Installation, Add	10.08	
22 13 16 00-0432 EA 8" x 3" No Hub Cast Iron Reducer .....	250.52	134.51
For Work In Restricted Working Space, Add	60.50	
For Below Ground Installation, Add	10.08	
22 13 16 00-0433 EA 8" x 4" No Hub Cast Iron Reducer .....	255.60	134.51
For Work In Restricted Working Space, Add	60.50	
For Below Ground Installation, Add	10.08	
22 13 16 00-0434 EA 8" x 5" No Hub Cast Iron Reducer .....	260.89	134.51
For Work In Restricted Working Space, Add	60.50	
For Below Ground Installation, Add	10.08	
22 13 16 00-0435 EA 8" x 6" No Hub Cast Iron Reducer .....	261.51	134.51
For Work In Restricted Working Space, Add	60.50	
For Below Ground Installation, Add	10.08	
22 13 16 00-0436 EA 10" x 4" No Hub Cast Iron Reducer .....	310.82	141.89
For Work In Restricted Working Space, Add	63.81	
For Below Ground Installation, Add	10.63	
22 13 16 00-0437 EA 10" x 6" No Hub Cast Iron Reducer .....	332.10	148.12
For Work In Restricted Working Space, Add	66.64	
For Below Ground Installation, Add	11.11	
22 13 16 00-0438 EA 10" x 8" No Hub Cast Iron Reducer .....	372.78	160.79
For Work In Restricted Working Space, Add	72.31	
For Below Ground Installation, Add	12.05	
<b>22 13 16 00-0439 No Hub Cast Iron Blind Plugs (22 13 16 00-0278)</b>		
22 13 16 00-0440 EA 1-1/2" No Hub Cast Iron Blind Plug .....	25.01	13.29
For Work In Restricted Working Space, Add	5.98	
For Below Ground Installation, Add	1.00	
22 13 16 00-0441 EA 2" No Hub Cast Iron Blind Plug .....	25.66	13.86
For Work In Restricted Working Space, Add	6.23	
For Below Ground Installation, Add	1.04	
22 13 16 00-0442 EA 3" No Hub Cast Iron Blind Plug .....	32.47	15.92
For Work In Restricted Working Space, Add	7.14	
For Below Ground Installation, Add	1.19	
22 13 16 00-0443 EA 4" No Hub Cast Iron Blind Plug .....	43.09	20.99
For Work In Restricted Working Space, Add	9.44	
For Below Ground Installation, Add	1.57	
22 13 16 00-0444 EA 5" No Hub Cast Iron Blind Plug .....	57.20	23.78
For Work In Restricted Working Space, Add	10.69	
For Below Ground Installation, Add	1.78	
22 13 16 00-0445 EA 6" No Hub Cast Iron Blind Plug .....	63.60	27.85
For Work In Restricted Working Space, Add	12.55	
For Below Ground Installation, Add	2.09	
22 13 16 00-0446 EA 8" No Hub Cast Iron Blind Plug .....	122.70	36.01
For Work In Restricted Working Space, Add	16.19	
For Below Ground Installation, Add	2.70	
22 13 16 00-0447 EA 10" No Hub Cast Iron Blind Plug .....	156.94	38.76
For Work In Restricted Working Space, Add	17.44	
For Below Ground Installation, Add	2.91	
<b>22 13 16 00-0448 No Hub Cast Iron P-Traps (22 13 16 00-0278)</b>		
22 13 16 00-0449 EA 2" No Hub Cast Iron P-Trap .....	59.55	27.73
For Work In Restricted Working Space, Add	12.47	
For Below Ground Installation, Add	2.08	
22 13 16 00-0450 EA 3" No Hub Cast Iron P-Trap .....	88.66	31.73
For Work In Restricted Working Space, Add	14.29	
For Below Ground Installation, Add	2.38	
22 13 16 00-0451 EA 4" No Hub Cast Iron P-Trap .....	134.26	41.99
For Work In Restricted Working Space, Add	18.90	
For Below Ground Installation, Add	3.15	
22 13 16 00-0452 EA 5" No Hub Cast Iron P-Trap .....	233.63	47.10
For Work In Restricted Working Space, Add	21.17	
For Below Ground Installation, Add	3.53	
22 13 16 00-0453 EA 6" No Hub Cast Iron P-Trap .....	247.42	56.16
For Work In Restricted Working Space, Add	25.26	
For Below Ground Installation, Add	4.21	

22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0455	EA		2" No Hub Cast Iron Deep Seal P-Trap ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	95.73 15.83 2.64	35.25
22 13 16 00-0456	EA		3" No Hub Cast Iron Deep Seal P-Trap ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	138.76 21.07 3.51	46.86
22 13 16 00-0457	EA		4" No Hub Cast Iron Deep Seal P-Trap ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	202.72 27.83 4.64	61.90
<b>22 13 16 00-0458</b>			<b>No Hub Cast Iron Closet Flanges</b> (22 13 16 00-0278)		
22 13 16 00-0459	EA		4" No Hub Cast Iron Closet Flange ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	91.52 18.90 3.15	41.99
22 13 16 00-0460	EA		4" x 2-1/2" No Hub Cast Iron Offset Closet Flange ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	97.44 18.90 3.15	41.99
<b>22 13 16 00-0461</b>			<b>No Hub Cast Iron Closet Bends</b> (22 13 16 00-0278)		
22 13 16 00-0462	EA		4" x 16" No Hub Cast Iron Closet Bend ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	174.66 18.90 3.15	41.99
<b>22 13 16 00-0463</b>			<b>No Hub Cast Iron Threaded Adapter</b> (22 13 16 00-0278)		
22 13 16 00-0464	EA		1-1/4" No Hub Cast Iron Threaded Adapter ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	68.24 15.83 2.64	35.25
22 13 16 00-0465	EA		1-1/2" No Hub Cast Iron Threaded Adapter ..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	73.01 15.83 2.64	35.25
<b>22 13 16 00-0466</b>			<b>No Hub Couplings</b> (22 13 16 00-0278) Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH).		
22 13 16 00-0467	EA		1-1/2" No Hub Coupling ..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	18.04 2.35 4.87	
22 13 16 00-0468	EA		2" No Hub Coupling ..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	18.04 2.35 4.87	
22 13 16 00-0469	EA		3" No Hub Coupling ..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	21.41 2.78 5.78	
22 13 16 00-0470	EA		4" No Hub Coupling ..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	25.42 3.30 6.86	
22 13 16 00-0471	EA		5" No Hub Coupling ..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	58.78 7.64 15.87	
22 13 16 00-0472	EA		6" No Hub Coupling ..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	64.58 8.40 17.44	
22 13 16 00-0473	EA		8" No Hub Coupling ..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	121.67 15.82 32.85	
22 13 16 00-0474	EA		10" No Hub Coupling ..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	167.61 21.79 45.25	
22 13 16 00-0475	EA		2" x 1-1/2" No Hub Reducing Coupling .....	21.41	
22 13 16 00-0476	EA		3" x 2" No Hub Reducing Coupling .....	33.20	
22 13 16 00-0477	EA		4" x 2" No Hub Reducing Coupling .....	46.32	
22 13 16 00-0478	EA		4" x 3" No Hub Reducing Coupling .....	39.47	
<b>22 13 16 00-0479</b>			<b>Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts</b> (22 13 16 00-0278) Note: For underground connections. See CSI section 22 13 16 00-0870 for additional FERNCO couplings.		
22 13 16 00-0480	EA		1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts .....	34.17	
22 13 16 00-0481	EA		2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts .....	35.27	
22 13 16 00-0482	EA		3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts .....	37.03	
22 13 16 00-0483	EA		4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts .....	43.20	
22 13 16 00-0484	EA		5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts .....	81.56	
22 13 16 00-0485	EA		6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts .....	111.98	
22 13 16 00-0486	EA		8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts .....	196.19	
22 13 16 00-0487	EA		10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts .....	299.79	
<b>22 13 16 00-0488</b>			<b>Cut And Prepare Existing Pipe In-Place</b> (22 13 16 00-0268) Note: For use when connecting pipe to an existing in-place system.		





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0489	EA		Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub..... <i>For Work In Restricted Working Space, Add</i>	9.54 2.86	
22 13 16 00-0490	EA		Cut And Prepare 2" Cast Iron Pipe, No Hub..... <i>For Work In Restricted Working Space, Add</i>	11.67 3.50	
22 13 16 00-0491	EA		Cut And Prepare 3" Cast Iron Pipe, No Hub..... <i>For Work In Restricted Working Space, Add</i>	12.73 3.82	
22 13 16 00-0492	EA		Cut And Prepare 4" Cast Iron Pipe, No Hub..... <i>For Work In Restricted Working Space, Add</i>	15.91 4.77	
22 13 16 00-0493	EA		Cut And Prepare 6" Cast Iron Pipe, No Hub..... <i>For Work In Restricted Working Space, Add</i>	19.08 5.72	
22 13 16 00-0494	EA		Cut And Prepare 8" Cast Iron Pipe, No Hub..... <i>For Work In Restricted Working Space, Add</i>	25.45 7.64	
22 13 16 00-0495	EA		Cut And Prepare 10" Cast Iron Pipe, No Hub..... <i>For Work In Restricted Working Space, Add</i>	29.69 8.91	
<b>22 13 16 00-0496</b>			<b>Copper Drain-Waste-Vent (DWV) Pipe</b> <small>(22 13 16)</small> See CSI section 22 11 16 00-0436 for copper and brass fittings.		
22 13 16 00-0497	LF		1-1/4" Hard Drawn DWV Copper Tube/Pipe.....	18.11	4.59
22 13 16 00-0498	LF		1-1/2" Hard Drawn DWV Copper Tube/Pipe.....	21.78	5.12
22 13 16 00-0499	LF		2" Hard Drawn DWV Copper Tube/Pipe.....	28.17	6.32
22 13 16 00-0500	LF		3" Hard Drawn DWV Copper Tube/Pipe.....	58.84	8.76
22 13 16 00-0501	LF		4" Hard Drawn DWV Copper Tube/Pipe.....	84.38	9.88
22 13 16 00-0502	LF		5" Hard Drawn DWV Copper Tube/Pipe.....	173.36	11.35
22 13 16 00-0503	LF		6" Hard Drawn DWV Copper Tube/Pipe.....	245.95	17.58
<b>22 13 16 00-0504</b>			<b>Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings</b> <small>(22 13 16)</small> Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.		
<b>22 13 16 00-0505</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies</b> <small>(22 13 16 00-0504)</small>		
<b>22 13 16 00-0506</b>			<b>Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies</b> <small>(22 13 16 00-0505)</small> Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available. Not for use where detail is available.		
22 13 16 00-0507	LF		1-1/2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	10.95 2.29	
22 13 16 00-0508	LF		2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	13.17 2.78	
22 13 16 00-0509	LF		3" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	21.42 3.94	
22 13 16 00-0510	LF		4" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	27.33 4.34	
22 13 16 00-0511	LF		6" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	48.24 5.58	
22 13 16 00-0512	LF		8" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	68.86 7.46	
22 13 16 00-0513	LF		10" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	99.52 9.95	
<b>22 13 16 00-0514</b>			<b>Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies</b> <small>(22 13 16 00-0505)</small> Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0515	LF		1-1/2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	22.28 4.70	4.10
22 13 16 00-0516	LF		2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	25.01 5.23	4.88
22 13 16 00-0517	LF		3" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	35.27 6.50	7.03
22 13 16 00-0518	LF		4" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	44.00 7.09	7.62

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0519	LF		6" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	68.23 9.08	9.77
22 13 16 00-0520	LF		8" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	89.31 10.41	12.98
22 13 16 00-0521	LF		10" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	125.60 13.57	17.38
22 13 16 00-0522			<b>Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe</b> (22 13 16 00-0504) Note: Excludes fittings or hangers.		
22 13 16 00-0523			<b>Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665)</b> (22 13 16 00-0522) Note: Excludes fittings or hangers.		
22 13 16 00-0524	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	8.41 1.83	4.10
22 13 16 00-0525	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	10.36 2.20	4.88
22 13 16 00-0526	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	16.57 3.15	7.03
22 13 16 00-0527	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	19.96 3.42	7.62
22 13 16 00-0528	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	29.18 4.16	9.25
22 13 16 00-0529	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	41.74 5.55	12.30
22 13 16 00-0530	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	60.25 7.40	16.47
22 13 16 00-0531			<b>Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891)</b> (22 13 16 00-0522) Note: Excludes fittings or hangers.		
22 13 16 00-0532	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	7.73 1.83	4.10
22 13 16 00-0533	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	9.54 2.20	4.88
22 13 16 00-0534	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	15.03 3.15	7.03
22 13 16 00-0535	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	17.91 3.42	7.62
22 13 16 00-0536	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	25.36 4.16	9.25
22 13 16 00-0537	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	36.37 5.55	12.30
22 13 16 00-0538	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	54.41 7.40	16.47
22 13 16 00-0539			<b>Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665)</b> (22 13 16 00-0504)		
22 13 16 00-0540			<b>Polyvinyl Chloride (PVC) DWV 1/4 Bends</b> (22 13 16 00-0539)		
22 13 16 00-0541	EA		1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	30.05 7.33	16.31
22 13 16 00-0542	EA		2" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	38.40 9.38	20.80
22 13 16 00-0543	EA		3" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	64.20 12.60	27.92
22 13 16 00-0544	EA		4" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	95.95 14.65	32.51
22 13 16 00-0545	EA		6" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	350.27 19.04	42.28
22 13 16 00-0546	EA		8" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	576.70 25.63	56.93
22 13 16 00-0547	EA		10" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	761.61 34.17	75.87
22 13 16 00-0548			<b>Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends</b> (22 13 16 00-0539)		
22 13 16 00-0549	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	45.87 7.33	16.31
22 13 16 00-0550	EA		2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	47.50 9.38	20.80
22 13 16 00-0551	EA		3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	87.61 12.60	27.92
22 13 16 00-0552	EA		4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	138.86 14.65	32.51
22 13 16 00-0553	EA		6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	267.39 19.04	42.28



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0554	EA			8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	467.78 25.63	56.93
22 13 16 00-0555	EA			10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	759.65 34.17	75.87
<b>22 13 16 00-0556</b>				<b>Polyvinyl Chloride (PVC) DWV 1/8 Bends</b> (22 13 16 00-0539)		
22 13 16 00-0557	EA			1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	31.35 7.33	16.31
22 13 16 00-0558	EA			2" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	38.29 9.38	20.80
22 13 16 00-0559	EA			3" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	62.25 12.60	27.92
22 13 16 00-0560	EA			4" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	86.42 14.65	32.51
22 13 16 00-0561	EA			6" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	326.00 19.04	42.28
22 13 16 00-0562	EA			8" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	520.29 25.63	56.93
22 13 16 00-0563	EA			10" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	595.67 34.17	75.87
<b>22 13 16 00-0564</b>				<b>Polyvinyl Chloride (PVC) DWV Sanitary Tees</b> (22 13 16 00-0539)		
22 13 16 00-0565	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	46.69 10.98	24.42
22 13 16 00-0566	EA			2" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	61.27 14.06	31.25
22 13 16 00-0567	EA			3" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	101.32 18.89	41.99
22 13 16 00-0568	EA			4" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	146.38 21.97	48.82
22 13 16 00-0569	EA			6" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	520.60 28.56	63.37
22 13 16 00-0570	EA			8" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	678.09 38.45	85.34
<b>22 13 16 00-0571</b>				<b>Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees</b> (22 13 16 00-0539)		
22 13 16 00-0572	EA			2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	58.23 12.01	26.65
22 13 16 00-0573	EA			2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	68.59 13.04	28.90
22 13 16 00-0574	EA			2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	57.86 13.04	28.90
22 13 16 00-0575	EA			3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	83.55 16.26	36.13
22 13 16 00-0576	EA			3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	85.56 17.28	38.38
22 13 16 00-0577	EA			4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	100.47 18.31	40.61
22 13 16 00-0578	EA			4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	163.59 19.34	42.96
22 13 16 00-0579	EA			4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	204.61 20.95	46.48
22 13 16 00-0580	EA			6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	499.27 26.36	58.49
22 13 16 00-0581	EA			8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	1,541.89 32.96	73.13
22 13 16 00-0582	EA			8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	1,595.39 35.15	78.01
<b>22 13 16 00-0583</b>				<b>Polyvinyl Chloride (PVC) DWV Double Sanitary Tees</b> (22 13 16 00-0539)		
22 13 16 00-0584	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	79.16 14.65	32.51
22 13 16 00-0585	EA			2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	106.91 18.75	41.59
22 13 16 00-0586	EA			3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	208.57 25.19	55.95
22 13 16 00-0587	EA			4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	297.98 29.29	65.03
<b>22 13 16 00-0588</b>				<b>Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees</b> (22 13 16 00-0539)		
22 13 16 00-0589	EA			2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	95.81 16.70	37.11
22 13 16 00-0590	EA			3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	160.71 19.92	44.23
22 13 16 00-0591	EA			3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	184.99 21.97	48.82
22 13 16 00-0592	EA			4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	326.17 24.02	53.32



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0593	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	343.67 27.24	60.44
<b>22 13 16 00-0594</b>			<b>Polyvinyl Chloride (PVC) DWV Reducers (22 13 16 00-0539)</b>		
22 13 16 00-0595	EA		2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	39.10 8.35	18.55
22 13 16 00-0596	EA		3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	69.17 9.96	22.07
22 13 16 00-0597	EA		3" x 2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	66.73 10.98	24.42
22 13 16 00-0598	EA		4" x 2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	99.62 12.01	26.65
22 13 16 00-0599	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	107.70 13.62	30.27
22 13 16 00-0600	EA		6" x 3" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	367.47 15.82	35.15
22 13 16 00-0601	EA		6" x 4" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	308.92 16.84	37.40
22 13 16 00-0602	EA		8" x 4" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	760.74 20.14	44.72
22 13 16 00-0603	EA		8" x 6" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	645.14 22.34	49.60
22 13 16 00-0604	EA		10" x 6" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	865.44 26.61	59.07
22 13 16 00-0605	EA		10" x 8" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	682.39 29.90	66.39
<b>22 13 16 00-0606</b>			<b>Polyvinyl Chloride (PVC) DWV P-Traps (22 13 16 00-0539)</b>		
22 13 16 00-0607	EA		1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	56.33 10.98	24.42
22 13 16 00-0608	EA		2" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	73.73 14.06	31.25
22 13 16 00-0609	EA		3" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	196.78 18.89	41.99
22 13 16 00-0610	EA		4" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	391.89 21.97	48.82
22 13 16 00-0611	EA		6" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	658.61 28.56	63.37
<b>22 13 16 00-0612</b>			<b>Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0539)</b>		
22 13 16 00-0613	EA		4" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	86.63 14.65	32.51
22 13 16 00-0614	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	71.84 13.62	30.27
<b>22 13 16 00-0615</b>			<b>Polyvinyl Chloride (PVC) DWV Wyes (22 13 16 00-0539)</b>		
22 13 16 00-0616	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	56.76 10.98	24.42
22 13 16 00-0617	EA		2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	67.12 14.06	31.25
22 13 16 00-0618	EA		3" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	108.80 18.89	41.99
22 13 16 00-0619	EA		4" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	158.62 21.97	48.82
22 13 16 00-0620	EA		6" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	474.66 28.56	63.37
22 13 16 00-0621	EA		8" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	590.82 38.45	85.34
22 13 16 00-0622	EA		10" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	777.98 51.26	113.75
<b>22 13 16 00-0623</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Wyes (22 13 16 00-0539)</b>		
22 13 16 00-0624	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	76.00 12.01	26.65
22 13 16 00-0625	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	79.10 13.04	28.90
22 13 16 00-0626	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	110.19 16.26	36.13
22 13 16 00-0627	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	93.04 17.28	38.38
22 13 16 00-0628	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	149.94 18.31	40.61
22 13 16 00-0629	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	133.03 19.34	42.96
22 13 16 00-0630	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	149.89 20.95	46.48
22 13 16 00-0631	EA		6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	428.69 25.34	56.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0632 EA 6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	528.13 26.36	58.49
22 13 16 00-0633 EA 8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	506.39 32.96	73.13
22 13 16 00-0634 EA 8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	636.03 35.15	78.01
22 13 16 00-0635 EA 10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	585.09 41.50	92.08
22 13 16 00-0636 EA 10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	725.28 43.69	96.96
22 13 16 00-0637 EA 10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	842.37 46.99	104.28
<b>22 13 16 00-0638 Polyvinyl Chloride (PVC) DWV Double Wyes</b> (22 13 16 00-0539)		
22 13 16 00-0639 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	91.73 14.65	32.51
22 13 16 00-0640 EA 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	117.64 18.75	41.59
22 13 16 00-0641 EA 3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	226.45 25.19	55.95
22 13 16 00-0642 EA 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	386.50 29.29	65.03
22 13 16 00-0643 EA 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	781.12 38.08	84.56
22 13 16 00-0644 EA 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	909.19 51.26	113.85
22 13 16 00-0645 EA 10" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,404.29 68.34	151.73
<b>22 13 16 00-0646 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes</b> (22 13 16 00-0539)		
22 13 16 00-0647 EA 2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	106.03 16.70	37.11
22 13 16 00-0648 EA 3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	191.41 19.92	44.23
22 13 16 00-0649 EA 3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	179.31 21.97	48.82
22 13 16 00-0650 EA 4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	253.23 24.02	53.32
22 13 16 00-0651 EA 4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	319.53 27.24	60.44
22 13 16 00-0652 EA 6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	487.95 33.69	74.80
22 13 16 00-0653 EA 8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	571.69 40.28	89.43
22 13 16 00-0654 EA 8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	724.00 44.67	99.20
22 13 16 00-0655 EA 10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	765.83 48.82	108.39
22 13 16 00-0656 EA 10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	988.76 53.21	118.14
22 13 16 00-0657 EA 10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,193.21 59.80	132.79
<b>22 13 16 00-0658 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends</b> (22 13 16 00-0539)		
22 13 16 00-0659 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	69.33 10.98	24.42
22 13 16 00-0660 EA 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	86.73 14.06	31.25
22 13 16 00-0661 EA 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	167.74 18.89	41.99
22 13 16 00-0662 EA 4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	290.80 21.97	48.82
<b>22 13 16 00-0663 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends</b> (22 13 16 00-0539)		
22 13 16 00-0664 EA 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	126.01 13.04	28.90
22 13 16 00-0665 EA 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	197.63 16.26	36.13
22 13 16 00-0666 EA 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	147.26 17.28	38.38
22 13 16 00-0667 EA 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	263.89 19.34	42.96
22 13 16 00-0668 EA 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	285.84 20.95	46.48
<b>22 13 16 00-0669 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends</b> (22 13 16 00-0539)		



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22 13 16 00-0670	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends.....	101.48	32.51
			<i>For Work In Restricted Working Space, Add</i>	14.65	
22 13 16 00-0671	EA		2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends.....	118.72	41.59
			<i>For Work In Restricted Working Space, Add</i>	18.75	
22 13 16 00-0672	EA		3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends.....	181.70	55.95
			<i>For Work In Restricted Working Space, Add</i>	25.19	
22 13 16 00-0673	EA		4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends.....	612.51	65.03
			<i>For Work In Restricted Working Space, Add</i>	29.29	
22 13 16 00-0674	EA		6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends.....	1,996.18	84.56
			<i>For Work In Restricted Working Space, Add</i>	38.08	
<b>22 13 16 00-0675</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends</b> (22 13 16 00-0539)		
22 13 16 00-0676	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends.....	227.95	37.11
			<i>For Work In Restricted Working Space, Add</i>	16.70	
22 13 16 00-0677	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends.....	365.15	48.82
			<i>For Work In Restricted Working Space, Add</i>	21.97	
22 13 16 00-0678	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends.....	624.10	53.32
			<i>For Work In Restricted Working Space, Add</i>	24.02	
22 13 16 00-0679	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends.....	566.93	60.44
			<i>For Work In Restricted Working Space, Add</i>	27.24	
22 13 16 00-0680	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends.....	1,333.47	74.80
			<i>For Work In Restricted Working Space, Add</i>	33.69	
<b>22 13 16 00-0681</b>			<b>Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug</b> (22 13 16 00-0539)		
22 13 16 00-0682	EA		2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug.....	142.77	31.25
			<i>For Work In Restricted Working Space, Add</i>	14.06	
22 13 16 00-0683	EA		3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug.....	246.20	41.99
			<i>For Work In Restricted Working Space, Add</i>	18.89	
22 13 16 00-0684	EA		4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug.....	391.95	48.82
			<i>For Work In Restricted Working Space, Add</i>	21.97	
22 13 16 00-0685	EA		6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug.....	1,021.28	63.37
			<i>For Work In Restricted Working Space, Add</i>	28.56	
22 13 16 00-0686	EA		8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug.....	1,281.18	85.34
			<i>For Work In Restricted Working Space, Add</i>	38.45	
22 13 16 00-0687	EA		10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug.....	1,700.26	113.75
			<i>For Work In Restricted Working Space, Add</i>	51.26	
<b>22 13 16 00-0688</b>			<b>Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug</b> (22 13 16 00-0539)		
22 13 16 00-0689	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	41.00	16.31
			<i>For Work In Restricted Working Space, Add</i>	7.33	
22 13 16 00-0690	EA		2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	58.01	20.80
			<i>For Work In Restricted Working Space, Add</i>	9.38	
22 13 16 00-0691	EA		3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	83.16	27.92
			<i>For Work In Restricted Working Space, Add</i>	12.60	
22 13 16 00-0692	EA		4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	145.57	32.51
			<i>For Work In Restricted Working Space, Add</i>	14.65	
22 13 16 00-0693	EA		6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	329.03	42.28
			<i>For Work In Restricted Working Space, Add</i>	19.04	
22 13 16 00-0694	EA		8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	732.99	56.93
			<i>For Work In Restricted Working Space, Add</i>	25.63	
22 13 16 00-0695	EA		10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	1,345.72	75.87
			<i>For Work In Restricted Working Space, Add</i>	34.16	
<b>22 13 16 00-0696</b>			<b>Polyvinyl Chloride (PVC) Couplings</b> (22 13 16 00-0539)		
22 13 16 00-0697	EA		1-1/2" Polyvinyl Chloride (PVC) Couplings.....	29.33	16.31
			<i>For Work In Restricted Working Space, Add</i>	7.33	
22 13 16 00-0698	EA		2" Polyvinyl Chloride (PVC) Couplings.....	36.78	20.80
			<i>For Work In Restricted Working Space, Add</i>	9.38	
22 13 16 00-0699	EA		3" Polyvinyl Chloride (PVC) Couplings.....	56.11	27.92
			<i>For Work In Restricted Working Space, Add</i>	12.60	
22 13 16 00-0700	EA		4" Polyvinyl Chloride (PVC) Couplings.....	72.03	32.51
			<i>For Work In Restricted Working Space, Add</i>	14.65	
22 13 16 00-0701	EA		6" Polyvinyl Chloride (PVC) Couplings.....	191.56	42.28
			<i>For Work In Restricted Working Space, Add</i>	19.04	
22 13 16 00-0702	EA		8" Polyvinyl Chloride (PVC) Couplings.....	455.44	56.93
			<i>For Work In Restricted Working Space, Add</i>	25.63	
22 13 16 00-0703	EA		10" Polyvinyl Chloride (PVC) Couplings.....	687.30	75.87
			<i>For Work In Restricted Working Space, Add</i>	34.18	
<b>22 13 16 00-0704</b>			<b>Polyvinyl Chloride (PVC) Male Adapters</b> (22 13 16 00-0539)		
22 13 16 00-0705	EA		1-1/2" Polyvinyl Chloride (PVC) Male Adapters.....	17.18	8.10
			<i>For Work In Restricted Working Space, Add</i>	3.66	
22 13 16 00-0706	EA		2" Polyvinyl Chloride (PVC) Male Adapters.....	27.85	10.44
			<i>For Work In Restricted Working Space, Add</i>	4.69	
22 13 16 00-0707	EA		3" Polyvinyl Chloride (PVC) Male Adapters.....	54.91	13.96
			<i>For Work In Restricted Working Space, Add</i>	6.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0708 EA 4" Polyvinyl Chloride (PVC) Male Adapters ..... <i>For Work In Restricted Working Space, Add</i>	102.16 7.33	16.31
<b>22 13 16 00-0709 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe</b> (22 13 16 00-0504) Note: In place piping.		
22 13 16 00-0710 EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	7.15	
22 13 16 00-0711 EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	7.87	
22 13 16 00-0712 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	10.01	
22 13 16 00-0713 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	13.52	
22 13 16 00-0714 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	19.31	
22 13 16 00-0715 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	25.76	
22 13 16 00-0716 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	31.50	
<b>22 13 16 00-0717 Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings</b> (22 13 16) Note: Aboveground installation.		
<b>22 13 16 00-0718 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies</b> (22 13 16 00-0717) Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0719 LF 1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	23.56 5.62	4.10
22 13 16 00-0720 LF 2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	26.18 6.22	4.88
22 13 16 00-0721 LF 3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	35.61 7.73	7.03
22 13 16 00-0722 LF 4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	40.97 8.58	7.62
22 13 16 00-0723 LF 6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	67.84 11.42	9.77
<b>22 13 16 00-0724 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628)</b> (22 13 16 00-0717) Note: Excludes fittings or hangers.		
22 13 16 00-0725 LF 1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	9.10 1.83	4.10
22 13 16 00-0726 LF 2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	11.35 2.20	4.88
22 13 16 00-0727 LF 3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	18.83 3.15	7.03
22 13 16 00-0728 LF 4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	23.30 3.42	7.62
22 13 16 00-0729 LF 6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	38.14 4.16	9.25
<b>22 13 16 00-0730 Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661)</b> (22 13 16 00-0717)		
<b>22 13 16 00-0731 Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends</b> (22 13 16 00-0730)		
22 13 16 00-0732 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	37.18 7.33	16.31
22 13 16 00-0733 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	49.45 9.38	20.80
22 13 16 00-0734 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	98.17 12.60	27.92
22 13 16 00-0735 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	158.89 14.65	32.51
22 13 16 00-0736 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	474.28 19.04	42.28
<b>22 13 16 00-0737 Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends</b> (22 13 16 00-0730)		
22 13 16 00-0738 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	54.83 7.33	16.31
22 13 16 00-0739 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	66.70 9.38	20.80
22 13 16 00-0740 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	140.99 12.60	27.92



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0741	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	244.10 14.65	32.51
<b>22 13 16 00-0742</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends</b> (22 13 16 00-0730)		
22 13 16 00-0743	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	39.57 7.33	16.31
22 13 16 00-0744	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	47.78 9.38	20.80
22 13 16 00-0745	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	89.38 12.60	27.92
22 13 16 00-0746	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	142.68 14.65	32.51
22 13 16 00-0747	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	491.38 19.04	42.28
<b>22 13 16 00-0748</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees</b> (22 13 16 00-0730)		
22 13 16 00-0749	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	58.34 10.98	24.42
22 13 16 00-0750	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	79.53 14.06	31.25
22 13 16 00-0751	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	146.21 18.89	41.99
22 13 16 00-0752	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	233.17 21.97	48.82
22 13 16 00-0753	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	962.12 28.56	63.37
<b>22 13 16 00-0754</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees</b> (22 13 16 00-0730)		
22 13 16 00-0755	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	74.69 12.01	26.65
22 13 16 00-0756	EA		2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	92.12 13.04	28.90
22 13 16 00-0757	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	74.76 13.04	28.90
22 13 16 00-0758	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	117.77 16.26	36.13
22 13 16 00-0759	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	121.77 17.28	38.38
22 13 16 00-0760	EA		4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	291.54 18.31	40.61
22 13 16 00-0761	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	279.63 19.34	42.96
22 13 16 00-0762	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	322.15 20.95	46.48
22 13 16 00-0763	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	1,057.14 26.36	58.49
<b>22 13 16 00-0764</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees</b> (22 13 16 00-0730)		
22 13 16 00-0765	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	114.84 14.65	32.51
22 13 16 00-0766	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	158.81 18.75	41.59
22 13 16 00-0767	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	354.55 25.19	55.95
22 13 16 00-0768	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	531.31 29.29	65.03
<b>22 13 16 00-0769</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees</b> (22 13 16 00-0730)		
22 13 16 00-0770	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	130.53 16.70	37.11
22 13 16 00-0771	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	204.30 19.92	44.23
22 13 16 00-0772	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	236.41 21.97	48.82
22 13 16 00-0773	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	435.24 22.76	50.52
22 13 16 00-0774	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	455.34 25.81	57.27
<b>22 13 16 00-0775</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Wyes</b> (22 13 16 00-0730)		
22 13 16 00-0776	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	80.37 10.98	24.42
22 13 16 00-0777	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	91.78 14.06	31.25





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22 13 16 00-0778 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	162.40 18.89	41.99
22 13 16 00-0779 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	258.48 21.97	48.82
22 13 16 00-0780 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	774.94 28.56	63.37
<b>22 13 16 00-0781 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0782 EA 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	118.10 12.01	26.65
22 13 16 00-0783 EA 2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	120.72 13.04	28.90
22 13 16 00-0784 EA 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	134.88 17.28	38.38
22 13 16 00-0785 EA 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	213.29 19.34	42.96
22 13 16 00-0786 EA 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	243.71 20.95	46.48
22 13 16 00-0787 EA 6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	649.47 26.36	58.49
<b>22 13 16 00-0788 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0789 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	141.88 14.65	32.51
22 13 16 00-0790 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	182.19 18.75	41.59
22 13 16 00-0791 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	393.43 25.19	55.95
22 13 16 00-0792 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	724.52 29.29	65.03
<b>22 13 16 00-0793 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0794 EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	164.98 16.70	37.11
22 13 16 00-0795 EA 3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	284.67 19.92	44.23
22 13 16 00-0796 EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	302.99 21.97	48.82
22 13 16 00-0797 EA 4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	455.92 24.02	53.32
22 13 16 00-0798 EA 4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	587.26 27.24	60.44
<b>22 13 16 00-0799 Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0800 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	106.50 10.98	24.42
22 13 16 00-0801 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	137.69 14.06	31.25
22 13 16 00-0802 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	212.63 18.89	41.99
22 13 16 00-0803 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	363.19 20.82	46.26
<b>22 13 16 00-0804 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0805 EA 2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	117.01 13.04	28.90
22 13 16 00-0806 EA 3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	228.37 16.26	36.13
22 13 16 00-0807 EA 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	166.46 17.28	38.38
22 13 16 00-0808 EA 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	306.91 19.34	42.96
22 13 16 00-0809 EA 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	332.36 20.95	46.48
<b>22 13 16 00-0810 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0811 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	226.93 18.75	41.59
22 13 16 00-0812 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	463.24 25.19	55.95



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0813			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0814	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends.....	187.98	37.11
			<i>For Work In Restricted Working Space, Add</i>	16.70	
22 13 16 00-0815	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends.....	446.04	48.82
			<i>For Work In Restricted Working Space, Add</i>	21.97	
22 13 16 00-0816			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0817	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug.....	118.82	24.42
			<i>For Work In Restricted Working Space, Add</i>	10.98	
22 13 16 00-0818	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug.....	150.00	31.25
			<i>For Work In Restricted Working Space, Add</i>	14.06	
22 13 16 00-0819	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug.....	240.15	41.99
			<i>For Work In Restricted Working Space, Add</i>	18.89	
22 13 16 00-0820	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug.....	404.43	48.82
			<i>For Work In Restricted Working Space, Add</i>	21.97	
22 13 16 00-0821			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0822	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	52.60	16.31
			<i>For Work In Restricted Working Space, Add</i>	7.33	
22 13 16 00-0823	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	76.73	20.80
			<i>For Work In Restricted Working Space, Add</i>	9.38	
22 13 16 00-0824	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	111.88	27.92
			<i>For Work In Restricted Working Space, Add</i>	12.60	
22 13 16 00-0825	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	213.37	32.51
			<i>For Work In Restricted Working Space, Add</i>	14.65	
22 13 16 00-0826	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	515.21	42.28
			<i>For Work In Restricted Working Space, Add</i>	19.04	
22 13 16 00-0827			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Couplings</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0828	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	34.13	16.31
			<i>For Work In Restricted Working Space, Add</i>	7.33	
22 13 16 00-0829	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	41.49	20.80
			<i>For Work In Restricted Working Space, Add</i>	9.38	
22 13 16 00-0830	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	69.85	27.92
			<i>For Work In Restricted Working Space, Add</i>	12.60	
22 13 16 00-0831	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	94.75	32.51
			<i>For Work In Restricted Working Space, Add</i>	14.65	
22 13 16 00-0832	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	290.51	42.28
			<i>For Work In Restricted Working Space, Add</i>	19.04	
22 13 16 00-0833			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducers</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0834	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	52.45	18.55
			<i>For Work In Restricted Working Space, Add</i>	8.35	
22 13 16 00-0835	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	111.27	22.07
			<i>For Work In Restricted Working Space, Add</i>	9.96	
22 13 16 00-0836	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	102.07	24.42
			<i>For Work In Restricted Working Space, Add</i>	10.98	
22 13 16 00-0837	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	169.15	26.65
			<i>For Work In Restricted Working Space, Add</i>	12.01	
22 13 16 00-0838	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	180.49	30.27
			<i>For Work In Restricted Working Space, Add</i>	13.62	
22 13 16 00-0839			<b>Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0840	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	84.35	24.42
			<i>For Work In Restricted Working Space, Add</i>	10.98	
22 13 16 00-0841	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	124.13	31.25
			<i>For Work In Restricted Working Space, Add</i>	14.06	
22 13 16 00-0842	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	416.90	41.99
			<i>For Work In Restricted Working Space, Add</i>	18.89	
22 13 16 00-0843	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	798.35	48.82
			<i>For Work In Restricted Working Space, Add</i>	21.97	
22 13 16 00-0844			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0845	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges.....	115.48	32.51
			<i>For Work In Restricted Working Space, Add</i>	14.65	
22 13 16 00-0846	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges.....	107.92	30.27
			<i>For Work In Restricted Working Space, Add</i>	13.62	
22 13 16 00-0847			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0848	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	24.60	8.10
			<i>For Work In Restricted Working Space, Add</i>	3.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0849 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	37.59 4.69	10.44
22 13 16 00-0850 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	84.99 6.30	13.96
22 13 16 00-0851 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	166.01 7.33	16.31
<b>22 13 16 00-0852 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0853 EA 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	38.07 8.35	18.55
22 13 16 00-0854 EA 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	88.45 9.96	22.07
22 13 16 00-0855 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	71.72 10.98	24.42
22 13 16 00-0856 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	167.37 12.01	26.65
22 13 16 00-0857 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	119.20 13.62	30.27
22 13 16 00-0858 EA 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	342.57 15.96	35.43
<b>22 13 16 00-0859 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0860 EA 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	105.68 7.33	16.31
22 13 16 00-0861 EA 2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	117.93 9.38	20.80
22 13 16 00-0862 EA 3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	134.09 12.60	27.92
22 13 16 00-0863 EA 4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	146.34 14.65	32.51
<b>22 13 16 00-0864 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe</b> <small>(22 13 16 00-0717)</small>		
Note: In place piping.		
22 13 16 00-0865 EA 1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	7.15	
22 13 16 00-0866 EA 2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	7.87	
22 13 16 00-0867 EA 3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	10.01	
22 13 16 00-0868 EA 4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	13.52	
22 13 16 00-0869 EA 6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	19.31	
<b>22 13 16 00-0870 Elastomeric Flexible Pipe Couplings</b> <small>(22 13 16)</small>		
<b>22 13 16 00-0871 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings</b> <small>(22 13 16 00-0870)</small>		
Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0872 EA 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125)..... <i>For Work In Restricted Working Space, Add</i>	12.37 2.54	4.24
22 13 16 00-0873 EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)..... <i>For Work In Restricted Working Space, Add</i>	13.32 2.70	4.50
22 13 16 00-0874 EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)..... <i>For Work In Restricted Working Space, Add</i>	14.01 2.86	4.78
22 13 16 00-0875 EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)..... <i>For Work In Restricted Working Space, Add</i>	16.13 3.02	5.04
22 13 16 00-0876 EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)..... <i>For Work In Restricted Working Space, Add</i>	18.17 3.18	5.30
22 13 16 00-0877 EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)..... <i>For Work In Restricted Working Space, Add</i>	22.99 3.34	5.56
22 13 16 00-0878 EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)..... <i>For Work In Restricted Working Space, Add</i>	27.86 3.50	5.83
22 13 16 00-0879 EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)..... <i>For Work In Restricted Working Space, Add</i>	37.63 3.82	6.36
22 13 16 00-0880 EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)..... <i>For Work In Restricted Working Space, Add</i>	49.45 4.45	7.43
<b>22 13 16 00-0881 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings</b> <small>(22 13 16 00-0870)</small>		
Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0882 EA 1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125)..... <i>For Work In Restricted Working Space, Add</i>	13.17 2.70	4.50
22 13 16 00-0883 EA 2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215)..... <i>For Work In Restricted Working Space, Add</i>	14.27 2.86	4.78
22 13 16 00-0884 EA 3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315)..... <i>For Work In Restricted Working Space, Add</i>	17.37 3.02	5.04
22 13 16 00-0885 EA 3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32)..... <i>For Work In Restricted Working Space, Add</i>	15.67 3.02	5.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0886 EA 4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415) .....21.24 <i>For Work In Restricted Working Space, Add</i> 3.18		5.30
22 13 16 00-0887 EA 4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42) .....20.37 <i>For Work In Restricted Working Space, Add</i> 3.18		5.30
22 13 16 00-0888 EA 4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43) .....18.75 <i>For Work In Restricted Working Space, Add</i> 3.18		5.30
22 13 16 00-0889 EA 5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53) .....26.79 <i>For Work In Restricted Working Space, Add</i> 3.34		5.56
22 13 16 00-0890 EA 5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54) .....24.32 <i>For Work In Restricted Working Space, Add</i> 3.34		5.56
22 13 16 00-0891 EA 6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63) .....32.97 <i>For Work In Restricted Working Space, Add</i> 3.50		5.83
22 13 16 00-0892 EA 6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64) .....29.27 <i>For Work In Restricted Working Space, Add</i> 3.50		5.83
22 13 16 00-0893 EA 6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65) .....30.30 <i>For Work In Restricted Working Space, Add</i> 3.50		5.83
22 13 16 00-0894 EA 8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84) .....59.31 <i>For Work In Restricted Working Space, Add</i> 6.36		10.60
22 13 16 00-0895 EA 8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86) .....49.05 <i>For Work In Restricted Working Space, Add</i> 6.36		10.60
22 13 16 00-0896 EA 10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8) .....61.77 <i>For Work In Restricted Working Space, Add</i> 7.16		11.93
<b>22 13 16 00-0897 Elastomeric Flexible Pipe Caps (Fernco QC) (22 13 16)</b> Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.		
22 13 16 00-0898 EA 1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101).....46.54		28.62
22 13 16 00-0899 EA 2" Elastomeric Flexible Pipe Cap (Fernco QC-102).....49.90		30.43
22 13 16 00-0900 EA 3" Elastomeric Flexible Pipe Cap (Fernco QC-103).....57.75		34.88
22 13 16 00-0901 EA 4" Elastomeric Flexible Pipe Cap (Fernco QC-104).....76.21		46.12
22 13 16 00-0902 EA 5" Elastomeric Flexible Pipe Cap (Fernco QC-105).....91.34		55.13
22 13 16 00-0903 EA 6" Elastomeric Flexible Pipe Cap (Fernco QC-106).....105.37		63.62
22 13 16 00-0904 EA 8" Elastomeric Flexible Pipe Cap (Fernco QC-108).....140.96		80.58
22 13 16 00-0905 EA 10" Elastomeric Flexible Pipe Cap (Fernco QC-110).....172.61		90.12
22 13 16 00-0906 EA 12" Elastomeric Flexible Pipe Cap (Fernco QC-112).....217.32		100.19
<b>22 13 16 00-0907 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) (22 13 16)</b>		
22 13 16 00-0908 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....91.29		21.97
22 13 16 00-0909 EA 2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....96.17		24.42
22 13 16 00-0910 EA 3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....144.63		31.73
22 13 16 00-0911 EA 4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....169.63		36.61
22 13 16 00-0912 EA 5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....197.97		41.50
22 13 16 00-0913 EA 6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....336.25		46.38
<b>22 13 16 00-0914 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) (22 13 16)</b>		
22 13 16 00-0915 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....199.45		21.97
22 13 16 00-0916 EA 2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....204.33		24.42
22 13 16 00-0917 EA 3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....242.23		31.73
22 13 16 00-0918 EA 4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....303.82		36.61
22 13 16 00-0919 EA 5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....417.25		41.50
22 13 16 00-0920 EA 6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....427.02		46.38
<b>22 13 16 00-0921 Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) (22 13 16)</b> Note: Includes counterflashing collar, deep protective hood and recessed securing screws.		
22 13 16 00-0922 EA 1-1/2" Cast Iron Vandal Proof Hooded Vent Cap.....385.32		21.97
22 13 16 00-0923 EA 2" Cast Iron Vandal Proof Hooded Vent Cap.....390.20		24.42
22 13 16 00-0924 EA 3" Cast Iron Vandal Proof Hooded Vent Cap.....447.52		31.73
22 13 16 00-0925 EA 4" Cast Iron Vandal Proof Hooded Vent Cap.....503.51		36.61
22 13 16 00-0926 EA 5" Cast Iron Vandal Proof Hooded Vent Cap.....587.96		41.50
22 13 16 00-0927 EA 6" Cast Iron Vandal Proof Hooded Vent Cap.....642.18		46.38
<b>22 13 19 Sanitary Waste Piping Specialties (22 13)</b>		
<b>22 13 19 13 Sanitary Drains (22 13 19)</b>		
<b>22 13 19 13-0001 Round Top Floor Drains (22 13 19 13)</b>		
22 13 19 13-0002 EA Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet.....804.74 <i>For Sediment Bucket, Add</i> 22.50 <i>For Vandal Proof Screws, Add</i> 11.00 <i>For Galvanized Cast Iron Parts, Add</i> 105.00		104.96
22 13 19 13-0003 EA Bronze Top, 6" Round Top Floor Drain With 2" Outlet.....883.31 <i>For Sediment Bucket, Add</i> 22.50 <i>For Vandal Proof Screws, Add</i> 11.00 <i>For Galvanized Cast Iron Parts, Add</i> 105.00		117.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0004 EA Bronze Top, 6" Round Top Floor Drain With 3" Outlet.....	855.22	130.15
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
22 13 19 13-0005 EA Bronze Top, 6" Round Top Floor Drain With 4" Outlet.....	882.03	143.63
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
22 13 19 13-0006 EA Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet .....	802.72	117.66
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
22 13 19 13-0007 EA Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet .....	827.81	130.15
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
22 13 19 13-0008 EA Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet .....	854.62	143.63
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
22 13 19 13-0009 EA Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet .....	1,367.42	117.66
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
22 13 19 13-0010 EA Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet .....	1,392.51	130.15
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
22 13 19 13-0011 EA Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet .....	1,419.32	143.63
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
22 13 19 13-0012 EA Bronze Top, 9" Round Top Floor Drain With 2" Outlet.....	1,285.18	117.66
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
22 13 19 13-0013 EA Bronze Top, 9" Round Top Floor Drain With 3" Outlet.....	1,310.14	130.15
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Ductile Iron Grate, Add</i>	48.00	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0014	EA		Bronze Top, 9" Round Top Floor Drain With 4" Outlet.....	1,337.08	143.63
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
22 13 19 13-0015	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet .....	1,416.65	117.56
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0016	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet .....	1,441.72	130.15
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0017	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet .....	1,468.66	143.63
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0018	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet .....	2,260.95	117.56
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0019	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet .....	2,286.02	130.15
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0020	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet .....	2,312.96	143.63
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0021	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet.....	2,148.56	117.56
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Chained Grate, Add</i>	48.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0022 EA Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet.....	2,173.63	130.15
For Galvanized Cast Iron Parts, Add	132.00	
For Vandal Proof Screws, Add	30.50	
For Primer Tap, Add	33.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Cast Iron Dome Grate, Add	28.00	
For Ductile Iron Grate, Add	53.00	
For Bronze Dome Grate, Add	218.50	
For Nikaloy Dome Grate, Add	255.00	
For Chained Grate, Add	48.50	
22 13 19 13-0023 EA Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet.....	2,200.57	143.63
For Galvanized Cast Iron Parts, Add	132.00	
For Vandal Proof Screws, Add	30.50	
For Primer Tap, Add	33.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Cast Iron Dome Grate, Add	28.00	
For Ductile Iron Grate, Add	53.00	
For Bronze Dome Grate, Add	218.50	
For Nikaloy Dome Grate, Add	255.00	
For Chained Grate, Add	48.50	
<b>22 13 19 13-0024 Square Or Rectangular Top Drains (22 13 19 13)</b>		
22 13 19 13-0025 EA 5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	958.86	117.56
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0026 EA 5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	984.20	130.25
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0027 EA 5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,010.87	143.63
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0028 EA 6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,041.10	117.56
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0029 EA 6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,066.44	130.25
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0030 EA 6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,093.11	143.63
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0031 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,402.94	117.56
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0032 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,428.28	130.25
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0033 EA 8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,454.95	143.63
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0034 EA 5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top.....	898.55	117.56
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0035 EA 5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top.....	923.89	130.25
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0036 EA 5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top.....	950.56	143.63
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0037 EA 6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,002.72	117.56
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0038 EA 6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,028.06	130.25
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0039 EA 6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,054.73	143.63
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	105.00	

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 13</b>	<b>Facility Sanitary Sewerage</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0040	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,296.03	117.56
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
22 13 19 13-0041	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,321.37	130.25
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
22 13 19 13-0042	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,348.04	143.63
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
22 13 19 13-0043	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top.....	3,437.62	130.25
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0044	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top.....	3,464.29	143.63
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0045	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top.....	4,331.27	130.25
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0046	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top.....	4,357.94	143.63
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0047	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top.....	4,224.36	130.25
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0048	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top.....	4,251.03	143.63
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0049	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,424.87	117.56
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0050	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,450.21	130.25
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0051	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,476.88	143.63
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0052	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,849.77	117.56
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0053	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,875.11	130.25
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0054	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,901.78	143.63
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0055	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,948.45	117.56
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0056	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,973.79	130.25
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0057	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	2,000.46	143.63
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0058	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	2,713.26	117.56
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0059	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	2,738.60	130.25
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0060	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	2,765.27	143.63
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Vandal Proof Screws, Add</i>	11.00	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0061	EA			5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,337.15	117.56
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Rough Bronze Body, Add</i>	120.94	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0062	EA			5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,362.49	130.25
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Rough Bronze Body, Add</i>	120.94	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0063	EA			5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,389.16	143.63
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Rough Bronze Body, Add</i>	120.94	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0064	EA			5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,699.00	117.56
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Rough Bronze Body, Add</i>	120.94	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0065	EA			5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,724.34	130.25
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Rough Bronze Body, Add</i>	120.94	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0066	EA			5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,751.01	143.63
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Rough Bronze Body, Add</i>	120.94	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0067	EA			5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,797.68	117.56
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Rough Bronze Body, Add</i>	120.94	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0068	EA			5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,823.02	130.25
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Rough Bronze Body, Add</i>	120.94	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0069	EA			5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,849.69	143.63
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Rough Bronze Body, Add</i>	120.94	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0070	EA			5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top.....	2,419.95	117.56
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Rough Bronze Body, Add</i>	120.94	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0071	EA			5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top.....	2,445.29	130.25
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Rough Bronze Body, Add</i>	120.94	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0072	EA			5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top.....	2,471.96	143.63
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Rough Bronze Body, Add</i>	120.94	
				<i>For Vandal Proof Screws, Add</i>	11.00	
<b>22 13 19 13-0073</b>				<b>Funnel Type Floor Drains</b> <small>(22 13 19 13)</small>		
22 13 19 13-0074	EA			7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top.....	1,347.60	104.96
				<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
22 13 19 13-0075	EA			7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top.....	1,372.79	117.56
				<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
22 13 19 13-0076	EA			7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top.....	1,397.86	130.15
				<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
22 13 19 13-0077	EA			7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top.....	1,424.80	143.63
				<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
22 13 19 13-0078	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top.....	1,989.57	117.56
				<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
22 13 19 13-0079	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top.....	2,014.64	130.15
				<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
22 13 19 13-0080	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top.....	2,041.58	143.63
				<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
22 13 19 13-0081	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top.....	1,882.66	117.56
				<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	105.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0082	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top .....	1,907.73	130.15
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
22 13 19 13-0083	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top .....	1,934.67	143.63
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
<b>22 13 19 13-0084</b>			<b>Floor Drain With Sediment Bucket Bottom Outlet</b> <small>(22 13 19 13)</small>		
22 13 19 13-0085	EA		12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap .....	2,915.50	104.96
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0086	EA		12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap .....	2,940.78	117.56
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0087	EA		12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap .....	2,965.85	130.15
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0088	EA		12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap .....	2,992.79	143.63
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0089	EA		12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap .....	3,020.58	157.50
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0090	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,149.12	117.56
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0091	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,174.46	130.25
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0092	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,201.13	143.63
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0093	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,228.92	157.50
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0094	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,912.81	117.56
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0095	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,938.15	130.25
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0096	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,964.82	143.63
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0097	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,992.61	157.50
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0098	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,935.30	117.56
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0099 EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate .....	2,960.64	130.25
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0100 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate .....	2,987.31	143.63
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0101 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate .....	3,015.10	157.50
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
<b>22 13 19 13-0102 Other Drains</b> <small>(22 13 19 13)</small>		
<b>22 13 19 13-0103 Shower Drains</b> <small>(22 13 19 13-0102)</small>		
22 13 19 13-0104 EA 4-1/4" Stainless Steel Shower Drain Strainer .....	47.41	10.60
Note: Includes two 2-5/8" screws.		
22 13 19 13-0105 EA 4-1/4" Brass Shower Drain Strainer .....	52.91	10.60
Note: Includes two 2-5/8" screws.		
22 13 19 13-0106 EA 4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe .....	108.67	21.21
Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
22 13 19 13-0107 EA 4" Chrome Finish, Threaded Brass Shower Drain And Gasket .....	140.32	21.21
Note: For 2" pipe. Kohler K-9132.		
<b>22 13 19 13-0108 Acid Resistant Floor Drains</b> <small>(22 13 19 13-0102)</small>		
22 13 19 13-0109 EA 9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top .....	1,358.47	104.96
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Primer Tap, Add</i>	33.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 13 19 13-0110 EA 9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top .....	1,383.75	117.56
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Primer Tap, Add</i>	33.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 13 19 13-0111 EA 9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top .....	1,408.82	130.15
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Primer Tap, Add</i>	33.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<b>22 13 19 13-0112 Rotary And Lever Drains</b> <small>(22 13 19 13-0102)</small>		
22 13 19 13-0113 EA 1-1/2" Drain, 3" Sink Opening Lever Drain .....	239.82	70.79
22 13 19 13-0114 EA 2" Drain, 3" Sink Opening Lever Drain .....	254.47	78.11
22 13 19 13-0115 EA 1-1/2" Drain, 3-1/2" Sink Opening Lever Drain .....	239.82	70.79
22 13 19 13-0116 EA 2" Drain, 3-1/2" Sink Opening Lever Drain .....	254.47	78.11
22 13 19 13-0117 EA 1-1/2" Drain, 3" Sink Opening Twist Drain .....	239.82	70.79
22 13 19 13-0118 EA 2" Drain, 3" Sink Opening Twist Drain .....	254.47	78.11
22 13 19 13-0119 EA 1-1/2" Drain, 3-1/2" Sink Opening Twist Drain .....	239.82	70.79
22 13 19 13-0120 EA 2" Drain, 3-1/2" Sink Opening Twist Drain .....	254.47	78.11
22 13 19 13-0121 EA 1-1/2"-2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100) .....	330.28	78.11
<b>22 13 19 13-0122 Floor Receptor</b> <small>(22 13 19 13)</small>		
<b>22 13 19 13-0123 9" Diameter Round Shallow Receptor</b> <small>(22 13 19 13-0122)</small>		
Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
22 13 19 13-0124 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection .....	1,671.74	117.66
<i>For White Acid Resistant Bucket, Add</i>	47.00	
<i>For Flange With Seepage Holes, Add</i>	58.50	
<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
<i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i>	36.00	
<i>For Vandal Proof Secured Grate, Add</i>	33.50	
<i>For Trap Primer Connection, Add</i>	38.00	
22 13 19 13-0125 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection .....	1,697.21	130.35
<i>For White Acid Resistant Bucket, Add</i>	47.00	
<i>For Flange With Seepage Holes, Add</i>	58.50	
<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
<i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i>	36.00	
<i>For Vandal Proof Secured Grate, Add</i>	33.50	
<i>For Trap Primer Connection, Add</i>	38.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0126	EA		9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection.....	1,723.60	143.63
			<i>For White Acid Resistant Bucket, Add</i>	47.00	
			<i>For Flange With Seepage Holes, Add</i>	58.50	
			<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
			<i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i>	36.00	
			<i>For Vandal Proof Secured Grate, Add</i>	33.50	
			<i>For Trap Primer Connection, Add</i>	38.00	
<b>22 13 19 13-0127</b>			<b>Square Top Floor Receptors</b> (22 13 19 13-0122)		
			Note: With acid resistant coating.		
22 13 19 13-0128	EA		8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top .....	1,986.31	104.96
			<i>For Vandal Proof Secured Grate, Add</i>	15.50	
			<i>For Trap Primer Connection, Add</i>	39.50	
			<i>For Flange With Seepage Holes, Add</i>	37.50	
			<i>For Stainless Steel Liner For Bucket, Add</i>	97.00	
			<i>For White Acid Resistant Bucket, Add</i>	88.00	
			<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00	
22 13 19 13-0129	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	2,011.61	117.66
			<i>For Vandal Proof Secured Grate, Add</i>	15.50	
			<i>For Trap Primer Connection, Add</i>	39.50	
			<i>For Flange With Seepage Holes, Add</i>	37.50	
			<i>For Stainless Steel Liner For Bucket, Add</i>	97.00	
			<i>For White Acid Resistant Bucket, Add</i>	88.00	
			<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00	
22 13 19 13-0130	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	2,036.57	130.15
			<i>For Vandal Proof Secured Grate, Add</i>	15.50	
			<i>For Trap Primer Connection, Add</i>	39.50	
			<i>For Flange With Seepage Holes, Add</i>	37.50	
			<i>For Stainless Steel Liner For Bucket, Add</i>	97.00	
			<i>For White Acid Resistant Bucket, Add</i>	88.00	
			<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00	
22 13 19 13-0131	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	2,063.51	143.63
			<i>For Vandal Proof Secured Grate, Add</i>	15.50	
			<i>For Trap Primer Connection, Add</i>	39.50	
			<i>For Flange With Seepage Holes, Add</i>	37.50	
			<i>For Stainless Steel Liner For Bucket, Add</i>	97.00	
			<i>For White Acid Resistant Bucket, Add</i>	88.00	
			<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00	
<b>22 13 19 13-0132</b>			<b>Floor Drain Accessories</b> (22 13 19 13)		
22 13 19 13-0133	EA		3" Trap Guard Floor Drain Insert (ProVent TG3H).....	102.60	12.21
			Note: Prevents emission of sewer gases.		
22 13 19 13-0134	EA		2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22).....	83.05	12.21
			Note: Prevents emission of sewer gases.		
22 13 19 13-0135	EA		3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33).....	90.87	12.21
			Note: Prevents emission of sewer gases.		
22 13 19 13-0136	EA		3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP).....	110.41	12.21
			Note: Prevents emission of sewer gases.		
22 13 19 13-0137	EA		3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP).....	98.69	12.21
			Note: Prevents emission of sewer gases.		
22 13 19 13-0138	EA		2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) .....	141.90	12.21
			Note: Prevents emission of sewer gases.		
22 13 19 13-0139	EA		3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) .....	157.63	12.21
			Note: Prevents emission of sewer gases.		
22 13 19 13-0140	EA		4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) .....	196.66	12.21
			Note: Prevents emission of sewer gases.		
<b>22 13 19 26</b>			<b>Grease Removal Devices</b> (22 13 19)		
22 13 19 26-0001			<b>Manual Cleaning Epoxy Coated Steel Grease Interceptor</b> (22 13 19 26)		
			Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002			<b>Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor</b> (22 13 19 26-0001)		
			Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA		7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor .....	1,202.10	73.24
			Note: Josam 60102H.		
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,304.86	
22 13 19 26-0004	EA		10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor .....	1,402.76	164.77
			Note: Josam 60103H.		
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,378.22	
			<i>For Flange And Clamp Device, Add</i>	370.01	
22 13 19 26-0005	EA		15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor .....	1,995.73	183.07
			Note: Josam 60104H.		
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,505.00	
			<i>For Flange And Clamp Device, Add</i>	382.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0006 EA 20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60105H. <i>For Flange And Clamp Device, Add</i>	2,412.48 394.42	201.38
22 13 19 26-0007 EA 25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60106H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,701.59 1,626.35 437.02 1,692.97	219.70
22 13 19 26-0008 EA 35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60107H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,318.98 472.63 1,862.07	256.31
22 13 19 26-0009 EA 50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60108H. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i> <i>For Flange And Clamp Device, Add</i>	4,333.43 1,984.12 538.00	292.92
22 13 19 26-0010 EA 75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60109H. <i>For Flange And Clamp Device, Add</i>	8,542.55 763.69	329.53
22 13 19 26-0011 EA 100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60110H. <i>For Flange And Clamp Device, Add</i>	9,677.11 888.53	420.79
22 13 19 26-0012 EA 150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60213A. <i>For Flange And Clamp Device, Add</i>	11,930.83 1,216.85	673.26
22 13 19 26-0013 EA 200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60214A. <i>For Flange And Clamp Device, Add</i>	17,127.88 1,458.33	841.58
22 13 19 26-0014 EA 250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60215A. <i>For Flange And Clamp Device, Add</i>	19,978.41 1,883.51	1,009.89
22 13 19 26-0015 EA 350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60216A. <i>For Flange And Clamp Device, Add</i>	25,966.88 2,233.47	1,178.21
22 13 19 26-0016 EA 500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60217A. <i>For Flange And Clamp Device, Add</i>	33,605.02 2,618.96	1,346.53
<b>22 13 19 26-0017 Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26-0001)</small>		
<small>Note: Josam 601110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.</small>		
22 13 19 26-0018 EA 20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A.	3,482.10	201.38
22 13 19 26-0019 EA 35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60117A.	4,479.76	256.31
22 13 19 26-0020 EA 50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Smith 8150.	7,401.83	292.92
<b>22 13 19 26-0021 Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26)</small>		
<small>Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.</small>		
<b>22 13 19 26-0022 Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26-0021)</small>		
<small>Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.</small>		
22 13 19 26-0023 EA 7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60102-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,063.13 1,304.86	73.24
22 13 19 26-0024 EA 10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60103-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,602.77 1,378.22	164.77
22 13 19 26-0025 EA 15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60104-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,848.66 1,505.00	183.07
22 13 19 26-0026 EA 20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60105-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	4,698.93 1,626.35	201.38
22 13 19 26-0027 EA 25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60106-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	5,666.67 1,692.97	219.70
22 13 19 26-0028 EA 35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60107-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	5,856.62 1,862.07	256.31
22 13 19 26-0029 EA 50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60108-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	6,685.37 1,984.12	292.92
<b>22 13 19 26-0030 Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26-0021)</small>		
<small>Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.</small>		
22 13 19 26-0031 EA 35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60115A-SA.	7,877.01	256.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 13 19 26-0032</b>	<b>Automatic Cleaning Stainless Steel Grease Interceptor</b> (22 13 19 26)	
22 13 19 26-0033 EA 20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor.....	6,698.18	201.38
Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).		
22 13 19 26-0034 EA 25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor.....	7,794.19	219.70
Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).		
22 13 19 26-0035 EA 35 GPM, 70 LB Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35).....	6,672.64	256.31
<b>22 13 19 26-0036</b>	<b>Precast Concrete Grease Interceptor</b> (22 13 19 26)	
Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037 EA 1,000 Gallon Pre-Cast Grease Interceptor.....	4,535.58	380.76
22 13 19 26-0038 EA 1,250 Gallon Pre-Cast Grease Interceptor.....	5,181.69	380.76
22 13 19 26-0039 EA 1,500 Gallon Pre-Cast Grease Interceptor.....	5,881.54	435.30
22 13 19 26-0040 EA 2,000 Gallon Pre-Cast Grease Interceptor.....	6,709.62	614.75
22 13 19 26-0041 EA 2,500 Gallon Pre-Cast Grease Interceptor.....	7,573.31	827.11
22 13 19 26-0042 EA 4,000 Gallon Pre-Cast Grease Interceptor.....	11,338.00	1,088.19
22 13 19 26-0043 EA 5,000 Gallon Pre-Cast Grease Interceptor.....	14,609.93	1,784.47
<b>22 13 19 26-0044</b>	<b>Coated Steel Manual Oil Interceptor</b> (22 13 19 26)	
Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045 EA 10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	4,317.00	278.84
22 13 19 26-0046 EA 15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	5,820.68	331.33
22 13 19 26-0047 EA 20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	7,047.74	407.66
22 13 19 26-0048 EA 25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	7,654.06	441.59
22 13 19 26-0049 EA 35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	9,193.73	481.87
22 13 19 26-0050 EA 50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	12,131.72	530.11
22 13 19 26-0051 EA 75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	20,395.47	610.26
22 13 19 26-0052 EA 100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	22,289.26	750.86
22 13 19 26-0053 EA 150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	27,378.70	813.84
22 13 19 26-0054 EA 200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	38,335.47	976.40
22 13 19 26-0055 EA 250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	44,232.06	1,049.64
22 13 19 26-0056 EA 350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	55,736.30	1,251.76
22 13 19 26-0057 EA 400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	67,356.28	1,025.72
22 13 19 26-0058 EA 500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	79,790.38	1,220.51
<b>22 13 19 33</b>	<b>Backwater Valves</b> (22 13 19)	
<b>22 13 19 33-0001</b>	<b>Cast Iron Body Terminal Backwater Valves</b> (22 13 19 33)	
22 13 19 33-0002 EA 2" Cast Iron Body Terminal Backwater Valve.....	342.76	28.02
22 13 19 33-0003 EA 3" Cast Iron Body Terminal Backwater Valve.....	353.49	35.25
22 13 19 33-0004 EA 4" Cast Iron Body Terminal Backwater Valve.....	508.68	46.86
22 13 19 33-0005 EA 6" Cast Iron Body Terminal Backwater Valve.....	1,349.98	64.68
22 13 19 33-0006 EA 8" Cast Iron Body Terminal Backwater Valve.....	1,652.57	85.12
22 13 19 33-0007 EA 10" Cast Iron Body Terminal Backwater Valve.....	4,740.85	105.01
22 13 19 33-0008 EA 12" Cast Iron Body Terminal Backwater Valve.....	5,375.51	136.19
<b>22 13 19 33-0009</b>	<b>Cast Iron Backwater Sewer Line Valve</b> (22 13 19 33)	
Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010 EA 2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	854.04	66.80
22 13 19 33-0011 EA 3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	1,293.16	81.04
22 13 19 33-0012 EA 4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	1,601.47	104.48
22 13 19 33-0013 EA 6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	2,234.46	117.51
22 13 19 33-0014 EA 8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	3,087.73	139.24
<b>22 13 19 33-0015</b>	<b>Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve</b> (22 13 19 33)	
Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016 EA 3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,277.73	105.75
22 13 19 33-0017 EA 4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,330.05	140.60
22 13 19 33-0018 EA 5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	3,381.68	174.03
22 13 19 33-0019 EA 6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	3,411.93	194.02
<b>22 13 19 33-0020</b>	<b>Polyvinyl Chloride (PVC) Backwater Sewer Line Valve</b> (22 13 19 33)	
Note: Oatey.		
22 13 19 33-0021 EA 3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900).....	129.27	35.25
22 13 19 33-0022 EA 4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904).....	154.58	46.86
22 13 19 33-0023 EA 6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908).....	456.32	64.68
<b>22 13 19 33-0024</b>	<b>Polyvinyl Chloride (PVC) Extendable Backwater Valves</b> (22 13 19 33)	
22 13 19 33-0025 EA 3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	305.54	70.49
Note: Includes valve body, flapper assembly and collar.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 33-0026 EA 4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	406.85	93.74
Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0027 EA 6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	703.75	129.34
Note: Includes valve body, flapper assembly and collar.		
<b>22 13 19 36 Air-Admittance Valves (22 13 19)</b>		
<b>22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent (22 13 19 36)</b>		
22 13 19 36-0002 EA 1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....	140.75	13.67
22 13 19 36-0003 EA 2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....	166.97	13.67
<b>22 13 23 Sanitary Waste Interceptors (22 13)</b>		
<b>22 13 23 00-0001 Sediment Bucket Solids Interceptors (22 13 23)</b>		
22 13 23 00-0002 EA 1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180).....	1,185.25	138.26
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0003 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184).....	1,186.74	138.26
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0004 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO).....	1,671.08	138.26
Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0005 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO).....	1,671.08	138.26
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0006 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030).....	1,780.73	138.26
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
<b>22 13 23 00-0007 Drum Trap, Solids Interceptors (22 13 23)</b>		
<b>22 13 23 00-0008 Extra Heavy Duty Cast Iron Drum Trap (22 13 23 00-0007)</b>		
22 13 23 00-0009 EA 8-1/2" Diameter x 12-3/4" High Solids Interceptor, 1-1/2" Inlet/Outlet, Extra Heavy Cast Iron.....	1,924.92	136.69
For Acid Coating Inside Or Outside, Add	960.37	
	1,156.00	
22 13 23 00-0010 EA 8-1/2" Diameter x 12-3/4" High Solids Interceptor, 2" Inlet/Outlet, Extra Heavy Cast Iron.....	1,949.34	156.23
For Acid Coating Inside Or Outside, Add	960.37	
For Acid Coating Inside And Outside, Add	1,156.00	
<b>22 13 23 00-0011 Aluminum, Solid Interceptor, Drum Trap (22 13 23 00-0007)</b>		
22 13 23 00-0012 EA 8-1/2" Diameter x 12-3/4" High Solids Interceptor, 1-1/2" Inlet/Outlet, Aluminum.....	2,646.30	136.69
22 13 23 00-0013 EA 8-1/2" Diameter x 12-3/4" High Solids Interceptor, 2" Inlet/Outlet, Aluminum.....	2,670.72	156.23
<b>22 13 23 00-0014 Solid Interceptors, Cast Iron With Internal Deep Seal Trap (22 13 23)</b>		
22 13 23 00-0015 EA 1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	317.11	47.28
For Stainless Steel Bucket, Add	175.00	
22 13 23 00-0016 EA 2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	323.15	50.36
For Stainless Steel Bucket, Add	175.00	
<b>22 13 23 00-0017 Sediment Strainers (22 13 23)</b>		
22 13 23 00-0018 EA 2" Strainer, Pump Suction Side.....	148.98	64.41
<b>22 13 29 Sanitary Sewerage Pumps (22 13)</b>		
Note: Includes extra set of gaskets, bearings and seals.		
<b>22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)</b>		
<b>22 13 29 13-0001 Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-DeMing Series 4500) (22 13 29 13)</b>		
Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.		
<b>22 13 29 13-0002 1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)</b>		
22 13 29 13-0003 EA 1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	5,864.32	1,171.30
22 13 29 13-0004 EA 3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	6,080.78	1,171.30
22 13 29 13-0005 EA 1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	6,297.24	1,171.30
22 13 29 13-0006 EA 1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	6,503.71	1,171.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 13 29 13-0007</b>	<b>2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)</b>	
22 13 29 13-0008 EA 3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	6,463.75	1,171.30
22 13 29 13-0009 EA 1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	6,547.01	1,171.30
22 13 29 13-0010 EA 2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	6,605.29	1,171.30
22 13 29 13-0011 EA 3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	7,004.91	1,171.30
22 13 29 13-0012 EA 5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	7,396.21	1,171.30
22 13 29 13-0013 EA 7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	7,995.64	1,171.30
22 13 29 13-0014 EA 10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	8,595.08	1,171.30
22 13 29 13-0015 EA 15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	9,969.41	1,558.74
<b>22 13 29 13-0016</b>	<b>3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)</b>	
22 13 29 13-0017 EA 2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	6,880.91	1,171.30
22 13 29 13-0018 EA 3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	6,880.91	1,171.30
22 13 29 13-0019 EA 5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	7,025.16	1,171.30
22 13 29 13-0020 EA 7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	8,144.37	1,171.30
22 13 29 13-0021 EA 10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	8,340.70	1,171.30
22 13 29 13-0022 EA 15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,038.47	1,558.74
22 13 29 13-0023 EA 20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,538.00	1,558.74
<b>22 13 29 13-0024</b>	<b>Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)</b>	
22 13 29 13-0025 EA 2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	544.22	
22 13 29 13-0026 EA 3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	653.44	
22 13 29 13-0027 EA 4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	730.37	
22 13 29 13-0028 EA 5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	743.67	
22 13 29 13-0029 EA 6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	834.84	
<b>22 13 29 13-0030</b>	<b>Float Switches (22 13 29 13-0001)</b>	
Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031 EA Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps.....	489.13	
22 13 29 13-0032 EA Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps.....	513.82	
22 13 29 13-0033 EA Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps.....	525.22	
<b>22 13 29 13-0034</b>	<b>Square Or Round Steel Sump Covers (22 13 29 13-0001)</b>	
22 13 29 13-0035 EA 24" Steel Sump Covers, Square Or Round.....	792.80	39.05
22 13 29 13-0036 EA 30" Steel Sump Covers, Square Or Round.....	877.59	43.94
22 13 29 13-0037 EA 36" Steel Sump Covers, Square Or Round.....	1,218.44	58.59
22 13 29 13-0038 EA 40" Steel Sump Covers, Square Or Round.....	1,772.93	68.35
22 13 29 13-0039 EA 42" Steel Sump Covers, Square Or Round.....	1,901.45	70.79
22 13 29 13-0040 EA 48" Steel Sump Covers, Square Or Round.....	2,033.82	73.24
22 13 29 13-0041 EA 54" Steel Sump Covers, Square Or Round.....	2,592.34	87.87
22 13 29 13-0042 EA 60" Steel Sump Covers, Square Or Round.....	3,517.84	97.64
22 13 29 13-0043 EA 72" Steel Sump Covers, Square Or Round.....	4,461.16	122.06
22 13 29 13-0044 EA 84" Steel Sump Covers, Square Or Round.....	5,676.88	134.25
<b>22 13 29 16</b>	<b>Submersible Sewerage Pumps (22 13 29)</b>	
<b>22 13 29 16-0001</b>	<b>Submersible Sewage Pumps With Vortex Impeller (22 13 29 16)</b>	
<b>22 13 29 16-0002</b>	<b>Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller (22 13 29 16-0001)</b>	
Note: Includes 25' cord.		
22 13 29 16-0003 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,227.79	71.03
22 13 29 16-0004 EA 1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,307.90	71.03
22 13 29 16-0005 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,283.25	71.03
22 13 29 16-0006 EA 1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,401.36	71.03
22 13 29 16-0007 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,401.36	71.03
22 13 29 16-0008 EA 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,485.20	88.79
22 13 29 16-0009 EA 1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,589.95	88.79
22 13 29 16-0010 EA 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,603.31	88.79
<b>22 13 29 16-0011</b>	<b>Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001)</b>	
Note: Includes 20' cord.		
22 13 29 16-0012 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,250.39	71.03
22 13 29 16-0013 EA 1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,365.42	71.03





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0014	EA			1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,310.98	71.03
22 13 29 16-0015	EA			1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,421.90	71.03
22 13 29 16-0016	EA			1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,521.53	71.03
22 13 29 16-0017	EA			1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,421.52	88.79
22 13 29 16-0018	EA			1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,540.66	88.79
22 13 29 16-0019	EA			1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,539.63	88.79
22 13 29 16-0020	EA			1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,772.61	143.13
22 13 29 16-0021	EA			1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,873.26	143.13
22 13 29 16-0022	EA			1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,890.72	143.13
22 13 29 16-0023	EA			2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,902.25	174.94
22 13 29 16-0024	EA			2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,017.28	174.94
22 13 29 16-0025	EA			2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,020.36	174.94
<b>22 13 29 16-0026</b>				<b>Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller</b> <small>(22 13 29 16-0001)</small>		
				Note: Includes 20' cord.		
22 13 29 16-0027	EA			1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,480.45	71.03
22 13 29 16-0028	EA			1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,675.59	71.03
22 13 29 16-0029	EA			1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller.....	1,640.28	88.79
22 13 29 16-0030	EA			1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller.....	1,758.39	88.79
22 13 29 16-0031	EA			1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,007.80	143.13
22 13 29 16-0032	EA			1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,125.91	143.13
22 13 29 16-0033	EA			2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,138.47	174.94
22 13 29 16-0034	EA			2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,256.58	174.94
<b>22 13 29 16-0035</b>				<b>Submersible Sewage Pumps With Semi-Open Impeller</b> <small>(22 13 29 16)</small>		
				Note: Includes 25' of cord with pump.		
22 13 29 16-0036	EA			1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	3,841.65	88.79
22 13 29 16-0037	EA			1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	4,114.67	148.84
22 13 29 16-0038	EA			2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	4,409.06	181.91
22 13 29 16-0039	EA			3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	4,614.38	220.50
22 13 29 16-0040	EA			5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	5,178.96	259.10
22 13 29 16-0041	EA			7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	5,785.58	297.69
<b>22 13 29 16-0042</b>				<b>Submersible Sewage Pumps, Explosion Proof</b> <small>(22 13 29 16)</small>		
				Note: Includes 25' of cord with pump.		
22 13 29 16-0043	EA			1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	6,189.84	318.21
22 13 29 16-0044	EA			1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	5,710.75	318.21
22 13 29 16-0045	EA			1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	5,710.75	318.21
22 13 29 16-0046	EA			1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	6,493.81	424.27
22 13 29 16-0047	EA			1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	6,014.73	424.27
22 13 29 16-0048	EA			1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	6,014.73	424.27
22 13 29 16-0049	EA			2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	6,896.59	530.34
22 13 29 16-0050	EA			2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	6,417.50	530.34
22 13 29 16-0051	EA			2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	6,417.50	530.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0052 EA 3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,206.53	636.41
22 13 29 16-0053 EA 3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,727.45	636.41
22 13 29 16-0054 EA 3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,727.45	636.41
22 13 29 16-0055 EA 5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,962.64	742.49
22 13 29 16-0056 EA 5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,483.55	742.49
22 13 29 16-0057 EA 5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,483.55	742.49
22 13 29 16-0058 EA 7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	8,250.63	848.56
22 13 29 16-0059 EA 7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	8,250.63	848.56
<b>22 13 29 16-0060 Submersible Sewage Pump Accessories</b> <small>(22 13 29 16)</small>		
22 13 29 16-0061 EA Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	600.98	78.23
Note: Includes alarm horn, warning light and alarm float switch.		
22 13 29 16-0062 EA Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	620.60	78.23
Note: Includes alarm horn, warning light, and alarm float switch.		
22 13 29 16-0063 EA Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	1,221.30	104.31
Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.		
22 13 29 16-0064 EA Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump .....	1,723.72	104.31
Note: Includes alarm horn and warning light. Control float switches not included.		
22 13 29 16-0065 EA Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors .....	3,871.32	104.31
Note: Includes alarm horn and warning light. Control float switches not included.		
22 13 29 16-0066 EA Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors.....	4,050.32	104.31
Note: Includes alarm horn and warning light. Control float switches not included.		
22 13 29 16-0067 EA Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors .....	6,473.49	130.38
Note: Includes alarm horn and warning light. Control float switches not included.		
22 13 29 16-0068 EA Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors.....	5,455.23	130.38
Note: Includes alarm horn and warning light. Control float switches not included.		
22 13 29 16-0069 EA Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps .....	1,354.90	130.38
Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0070 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps .....	1,492.28	130.38
Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0071 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps .....	1,432.42	130.38
Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0072 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps .....	1,556.23	130.38
Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0073 EA Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps.....	2,662.06	130.38
Note: Includes alarm horn and warning light. Float switches not included..		
22 13 29 16-0074 EA Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure .....	497.81	52.15
Note: Includes alarm horn, warning light and 15' tethered float.		
22 13 29 16-0075 EA Variable Level (Clamp Type) Float Switch With 15' Cord.....	95.33	26.08
Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0076 EA Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only.....	112.36	26.08
22 13 29 16-0077 EA Variable Level (Adjustable Weight Type) Float Switch With 25' Cord .....	121.70	26.08
Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0078 EA Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only .....	126.01	26.08
22 13 29 16-0079 EA Float Switch Tree With (3) 15' Floats .....	361.47	26.08
Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0080 EA Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only .....	400.38	26.08
22 13 29 16-0081 EA Float Switch Tree And (4) Floats With 15' Cords .....	402.31	26.08
Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0082 EA Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only .....	455.93	26.08
22 13 29 16-0083 EA Float Switch Tree.....	193.18	26.08
Note: Tree only.		
22 13 29 16-0084 EA Adjustable Weight For Float Switch .....	51.95	13.04
22 13 29 16-0085 EA Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge .....	1,017.81	78.23
Note: Lifting equipment not included.		
22 13 29 16-0086 EA Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge .....	1,594.97	104.31
Note: Lifting equipment not included.		
22 13 29 16-0087 EA Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge .....	2,083.03	130.38
Note: Lifting equipment not included.		
22 13 29 16-0088 EA Rail And Disconnect System, Stainless Steel Non-Spearking, For 3" Horizontal Discharge.....	2,216.05	78.23
22 13 29 16-0089 EA Rail And Disconnect System, Stainless Steel Non-Spearking, For 4" Horizontal Discharge.....	3,130.76	78.23
22 13 29 16-0090 EA Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System .....	294.19	52.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0091 EA Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems .....	517.29	65.20
22 13 29 16-0092 EA Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems .....	518.87	78.23
22 13 29 16-0093 EA 12" Stainless Steel Lifting Cable .....	145.05	26.08
22 13 29 16-0094 EA Disconnect Fitting For 2" Horizontal Discharge .....	285.93	26.08
Note: Used for shallow systems where guide rails are not necessary.		
<b>22 13 29 33 Sewerage Pump Basins and Pits (22 13 29)</b>		
<b>22 13 29 33-0001 Sewage Sump Pump Basin (22 13 29 33)</b>		
<b>22 13 29 33-0002 High Density Polyethylene (HDPE) Basin (22 13 29 33-0001)</b>		
22 13 29 33-0003 EA 18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub .....	124.93	
22 13 29 33-0004 EA 18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub .....	160.86	
22 13 29 33-0005 EA 24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub .....	361.38	
22 13 29 33-0006 EA 24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub .....	506.00	
22 13 29 33-0007 EA 30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub .....	650.61	
22 13 29 33-0008 EA 36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub .....	756.42	
<b>22 13 29 33-0009 Fiberglass Basin (22 13 29 33-0001)</b>		
22 13 29 33-0010 EA 18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub .....	351.74	
22 13 29 33-0011 EA 24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub .....	719.43	
22 13 29 33-0012 EA 30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub .....	1,294.98	
22 13 29 33-0013 EA 36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub .....	1,744.73	
22 13 29 33-0014 EA 36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub .....	2,010.91	
22 13 29 33-0015 EA 36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub .....	2,123.76	
22 13 29 33-0016 EA 36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub .....	2,495.76	
22 13 29 33-0017 EA 48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub .....	2,898.57	
<b>22 14 Facility Storm Drainage (22 10)</b>		
<b>22 14 13 Facility Storm Drainage Piping (22 14)</b>		
See CSI section 22 13 16 00-0000 for storm drainage piping.		
<b>22 14 26 Facility Storm Drains (22 14)</b>		
<b>22 14 26 13 Roof Drains (22 14 26)</b>		
<b>22 14 26 13-0001 Cast Iron Roof Drains (22 14 26 13)</b>		
<b>22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome (22 14 26 13-0001)</b>		
Note: Dome free area is 124 square inches.		
22 14 26 13-0003 EA 15" Diameter Cast Iron Roof Drain With 2' Outlet, 124 Square Inch Free Area Polypropylene Dome .....	906.32	162.77
For Galvanized Iron Parts, Add		518.00
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add		357.00
For Bronze Dome, Add		448.80
For Deck Clamp Assembly, Add		130.00
For Drain Receiver, Add		147.00
22 14 26 13-0004 EA 15" Diameter Cast Iron Roof Drain With 3' Outlet, 124 Square Inch Free Area Polypropylene Dome .....	987.68	195.28
For Galvanized Iron Parts, Add		518.00
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add		357.00
For Bronze Dome, Add		448.80
For Deck Clamp Assembly, Add		130.00
For Drain Receiver, Add		147.00
22 14 26 13-0005 EA 15" Diameter Cast Iron Roof Drain With 4' Outlet, 124 Square Inch Free Area Polypropylene Dome .....	1,069.05	244.10
For Galvanized Iron Parts, Add		518.00
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add		357.00
For Bronze Dome, Add		448.80
For Deck Clamp Assembly, Add		130.00
For Drain Receiver, Add		147.00
22 14 26 13-0006 EA 15" Diameter Cast Iron Roof Drain With 5' Outlet, 124 Square Inch Free Area Polypropylene Dome .....	1,440.62	292.92
For Galvanized Iron Parts, Add		518.00
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add		357.00
For Bronze Dome, Add		448.80
For Deck Clamp Assembly, Add		130.00
For Drain Receiver, Add		147.00
22 14 26 13-0007 EA 15" Diameter Cast Iron Roof Drain With 6' Outlet, 124 Square Inch Free Area Polypropylene Dome .....	1,481.30	325.44
For Galvanized Iron Parts, Add		518.00
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add		357.00
For Bronze Dome, Add		448.80
For Deck Clamp Assembly, Add		130.00
For Drain Receiver, Add		147.00
22 14 26 13-0008 EA 15" Diameter Cast Iron Roof Drain With 8' Outlet, 124 Square Inch Free Area Polypropylene Dome .....	1,761.43	341.74
For Galvanized Iron Parts, Add		518.00
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add		357.00
For Bronze Dome, Add		448.80
For Deck Clamp Assembly, Add		130.00
For Drain Receiver, Add		147.00
22 14 26 13-0009 EA 15" Diameter Cast Iron Roof Drain With 10' Outlet, 124 Square Inch Free Area Polypropylene Dome .....	2,408.58	353.95
For Galvanized Iron Parts, Add		518.00
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add		357.00
For Bronze Dome, Add		448.80
For Deck Clamp Assembly, Add		130.00
For Drain Receiver, Add		147.00



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0010			<b>Cast Iron Roof Drains With Expansion Joint</b> <small>(22 14 26 13-0001)</small>		
			Note: With polypropylene dome. Dome free area is 124 square inches.		
22 14 26 13-0011	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome .....	1,449.65	162.77
			For Galvanized Iron Parts, Add	518.00	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Drain Receiver, Add	147.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0012	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome .....	1,568.97	195.28
			For Galvanized Iron Parts, Add	518.00	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Drain Receiver, Add	147.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0013	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome .....	1,724.25	244.10
			For Galvanized Iron Parts, Add	518.00	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Drain Receiver, Add	147.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0014	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome .....	2,393.45	292.92
			For Galvanized Iron Parts, Add	518.00	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Drain Receiver, Add	147.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0015	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome .....	2,571.96	325.44
			For Galvanized Iron Parts, Add	518.00	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Drain Receiver, Add	147.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0016			<b>Cast Iron Roof Drains With Flat Bronze Promenade Top</b> <small>(22 14 26 13-0001)</small>		
22 14 26 13-0017	EA		14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top .....	1,984.19	162.77
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	132.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	197.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0018	EA		14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top .....	2,065.55	195.28
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	132.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	197.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0019	EA		14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top .....	2,146.92	244.10
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	132.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	197.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0020	EA		14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top .....	2,502.52	292.92
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	132.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	197.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0021	EA		14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top .....	2,543.20	325.44
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	132.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	197.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0022			<b>Cast Iron Scupper Drain With L-Shaped Bronze Grate</b> <small>(22 14 26 13-0001)</small>		
22 14 26 13-0023	EA		Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate .....	1,291.89	65.13
			For Vandal Proof Grate, Add	33.00	
22 14 26 13-0024	EA		Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate .....	1,324.43	81.33
			For Vandal Proof Grate, Add	33.00	
22 14 26 13-0025	EA		Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate .....	1,339.23	88.76
			For Vandal Proof Grate, Add	33.00	
22 14 26 13-0026	EA		Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate .....	1,886.01	117.66
			For Galvanized Iron Parts, Add	258.00	
			For Vandal Proof Grate, Add	33.00	
22 14 26 13-0027	EA		Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate .....	1,937.91	143.63
			For Galvanized Iron Parts, Add	258.00	
			For Vandal Proof Grate, Add	33.00	
22 14 26 13-0028			<b>Cast Iron Roof Drain With Flat Cast Iron Grate</b> <small>(22 14 26 13-0001)</small>		
			Note: Grate free area is 27 square inches.		
22 14 26 13-0029	EA		9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top .....	998.14	162.77
			For Deck Clamp Assembly, Add	80.40	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	93.60	
			For Galvanized Iron Parts, Add	144.00	
22 14 26 13-0030	EA		9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top .....	1,079.50	195.28
			For Deck Clamp Assembly, Add	80.40	
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	93.60	
			For Galvanized Iron Parts, Add	144.00	



<b>Plumbing</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>
<b>Facility Storm Drainage</b>	<b>22 14</b>

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26	13-0031	EA	9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top..... <i>For Deck Clamp Assembly, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> <i>For Galvanized Iron Parts, Add</i>	1,160.87 80.40 93.60 144.00	244.10
<b>22 14 26 13-0032 Cast Iron Roof Drains With Large Cast Iron Dome (22 14 26 13-0001)</b>					
22 14 26	13-0033	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome ..... <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For Galvanized Iron Parts, Add</i>	1,077.98 357.00 130.00 147.00 518.00	162.77
22 14 26	13-0034	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome ..... <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For Galvanized Iron Parts, Add</i>	1,159.34 357.00 130.00 147.00 518.00	195.28
22 14 26	13-0035	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome ..... <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For Galvanized Iron Parts, Add</i>	1,240.71 357.00 130.00 147.00 518.00	244.10
22 14 26	13-0036	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome ..... <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For Galvanized Iron Parts, Add</i>	1,612.28 357.00 130.00 147.00 518.00	292.92
22 14 26	13-0037	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome ..... <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For Galvanized Iron Parts, Add</i>	1,652.96 357.00 130.00 147.00 518.00	325.44
22 14 26	13-0038	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome ..... <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For Galvanized Iron Parts, Add</i>	1,933.09 357.00 130.00 147.00 518.00	341.74
22 14 26	13-0039	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome ..... <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For Galvanized Iron Parts, Add</i>	2,580.24 357.00 130.00 147.00 518.00	353.95
<b>22 14 26 13-0040 Aluminum Roof Drains (22 14 26 13)</b>					
<b>22 14 26 13-0041 Aluminum Dome Roof Drains (22 14 26 13-0040)</b>					
22 14 26	13-0042	EA	15" Diameter Roof Drain With 2" Outlet, Aluminum Dome..... <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> <i>For Drain Receiver, Add</i> <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i>	1,107.92 357.00 147.00 518.00 130.00	162.77
22 14 26	13-0043	EA	15" Diameter Roof Drain With 3" Outlet, Aluminum Dome..... <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> <i>For Drain Receiver, Add</i> <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i>	1,189.28 357.00 147.00 518.00 130.00	195.28
22 14 26	13-0044	EA	15" Diameter Roof Drain With 4" Outlet, Aluminum Dome..... <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> <i>For Drain Receiver, Add</i> <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i>	1,270.65 357.00 147.00 518.00 130.00	244.10
22 14 26	13-0045	EA	15" Diameter Roof Drain With 6" Outlet, Aluminum Dome..... <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> <i>For Drain Receiver, Add</i> <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i>	1,682.90 357.00 147.00 518.00 130.00	325.14
22 14 26	13-0046	EA	15" Diameter Roof Drain With 8" Outlet, Aluminum Dome..... <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> <i>For Drain Receiver, Add</i> <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i>	1,963.23 357.00 147.00 518.00 130.00	341.74
22 14 26	13-0047	EA	15" Diameter Roof Drain With 10" Outlet, Aluminum Dome..... <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i> <i>For Drain Receiver, Add</i> <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i>	2,610.19 357.00 147.00 518.00 130.00	353.95
<b>22 14 26 13-0048 Retrofit Roof Drains (22 14 26 13)</b>					
<b>22 14 26 13-0049 Copolymer Retrofit Roof Drains With Copolymer Strainer Dome (22 14 26 13-0048)</b>					
22 14 26	13-0050	EA	Copolymer Retrofit 3" Roof Drains, With Copolymer Dome.....	769.02	195.28
22 14 26	13-0051	EA	Copolymer Retrofit 4" Roof Drains, With Copolymer Dome.....	864.32	244.10
22 14 26	13-0052	EA	Copolymer Retrofit 5" Roof Drains, With Copolymer Dome.....	1,042.11	292.92

**22 Plumbing**

**22 10 Plumbing Piping**

**22 14 Facility Storm Drainage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0053	EA		Copolymer Retrofit 6" Roof Drains, With Copolymer Dome .....	1,138.51	325.14
<b>22 14 26 13-0054</b>			<b>Copolymer Retrofit Roof Drains With Cast Aluminum Strainer Dome</b> (22 14 26 13-0048)		
22 14 26 13-0055	EA		Copolymer Retrofit Drain, 3", With Cast Aluminum Dome .....	894.40	195.28
22 14 26 13-0056	EA		Copolymer Retrofit Drain, 4", With Cast Aluminum Dome .....	984.13	244.10
22 14 26 13-0057	EA		Copolymer Retrofit Drain, 5", With Cast Aluminum Dome .....	1,170.27	292.92
22 14 26 13-0058	EA		Copolymer Retrofit Drain, 6", With Cast Aluminum Dome .....	1,227.66	325.14
<b>22 14 26 13-0059</b>			<b>Aluminum Retrofit Roof Drains With Cast Aluminum Strainer Dome</b> (22 14 26 13-0048)		
22 14 26 13-0060	EA		Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome .....	774.60	195.28
			<i>For Copolymer Strainer Dome, Deduct</i> .....	-24.00	
22 14 26 13-0061	EA		Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome .....	869.90	244.10
			<i>For Copolymer Strainer Dome, Deduct</i> .....	-24.00	
22 14 26 13-0062	EA		Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome .....	1,047.68	292.92
			<i>For Copolymer Strainer Dome, Deduct</i> .....	-24.00	
22 14 26 13-0063	EA		Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome .....	1,099.50	325.14
			<i>For Copolymer Strainer Dome, Deduct</i> .....	-24.00	
<b>22 14 26 13-0064</b>			<b>Bronze Downspout Nozzles</b> (22 14 26 13)		
22 14 26 13-0065	EA		2" Outlet, Bronze Roof Drain Downspout Nozzle .....	467.81	97.64
22 14 26 13-0066	EA		3" Outlet, Bronze Roof Drain Downspout Nozzle .....	467.81	97.64
22 14 26 13-0067	EA		4" Outlet, Bronze Roof Drain Downspout Nozzle .....	467.81	97.64
22 14 26 13-0068	EA		5" Outlet, Bronze Roof Drain Downspout Nozzle .....	734.78	122.06
22 14 26 13-0069	EA		6" Outlet, Bronze Roof Drain Downspout Nozzle .....	734.78	122.06
22 14 26 13-0070	EA		8" Outlet, Bronze Roof Drain Downspout Nozzle .....	963.21	122.06
<b>22 14 26 16</b>			<b>Facility Area Drains</b> (22 14 26)		
<b>22 14 26 16-0001</b>			<b>Area Drain</b> (22 14 26 16)		
22 14 26 16-0002	EA		12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	3,149.12	117.56
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	70.50	
22 14 26 16-0003	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	3,174.46	130.25
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	70.50	
22 14 26 16-0004	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	3,201.13	143.63
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	70.50	
22 14 26 16-0005	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	3,228.92	157.50
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	70.50	
22 14 26 16-0006	EA		12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	1,912.81	117.56
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	70.50	
22 14 26 16-0007	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	1,938.15	130.25
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	70.50	
22 14 26 16-0008	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	1,964.82	143.63
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	70.50	
22 14 26 16-0009	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	1,992.61	157.50
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	70.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0010 EA 12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,935.30	117.56
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0011 EA 12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,960.64	130.25
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0012 EA 12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,987.31	143.63
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0013 EA 12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,015.10	157.50
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0014 EA 16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,416.69	117.56
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0015 EA 16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,442.03	130.25
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0016 EA 16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,468.70	143.63
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0017 EA 16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,496.49	157.50
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0018 EA 16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,099.78	117.56
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0019 EA 16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,125.12	130.25
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0020 EA 16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,151.79	143.63
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0021 EA 16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,179.58	157.50
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0022 EA 16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,079.51	117.56
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0023 EA 16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,104.85	130.25
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0024 EA 16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,131.52	143.63
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
<i>For Primer Tap, Add</i>	36.00	
22 14 26 16-0025 EA 16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,159.31	157.50
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
<i>For Primer Tap, Add</i>	36.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0026	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,367.31	117.56
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0027	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,392.65	130.25
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0028	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,419.32	143.63
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0029	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	802.61	117.56
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0030	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	827.95	130.25
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0031	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	854.62	143.63
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0032	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,285.07	117.56
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0033	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,310.41	130.25
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0034	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,337.08	143.63
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0035	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	4,253.84	117.56
			For Ductile Iron Grate, Add	126.00	
			For Galvanized Cast Iron Parts, Add	307.50	
			For Vandal Proof Screws, Add	30.50	
22 14 26 16-0036	EA		12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	4,279.18	130.25
			For Ductile Iron Grate, Add	126.00	
			For Galvanized Cast Iron Parts, Add	307.50	
			For Vandal Proof Screws, Add	30.50	
22 14 26 16-0037	EA		12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	4,305.85	143.63
			For Ductile Iron Grate, Add	126.00	
			For Galvanized Cast Iron Parts, Add	307.50	
			For Vandal Proof Screws, Add	30.50	
22 14 26 16-0038	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	2,743.41	117.56
			For Ductile Iron Grate, Add	126.00	
			For Galvanized Cast Iron Parts, Add	307.50	
			For Vandal Proof Screws, Add	30.50	
22 14 26 16-0039	EA		12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	2,768.75	130.25
			For Ductile Iron Grate, Add	126.00	
			For Galvanized Cast Iron Parts, Add	307.50	
			For Vandal Proof Screws, Add	30.50	
22 14 26 16-0040	EA		12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	2,795.42	143.63
			For Ductile Iron Grate, Add	126.00	
			For Galvanized Cast Iron Parts, Add	307.50	
			For Vandal Proof Screws, Add	30.50	
22 14 26 16-0041	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	3,990.68	117.56
			For Ductile Iron Grate, Add	126.00	
			For Galvanized Cast Iron Parts, Add	307.50	
			For Vandal Proof Screws, Add	30.50	
22 14 26 16-0042	EA		12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	4,016.02	130.25
			For Ductile Iron Grate, Add	126.00	
			For Galvanized Cast Iron Parts, Add	307.50	
			For Vandal Proof Screws, Add	30.50	
22 14 26 16-0043	EA		12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	4,042.69	143.63
			For Ductile Iron Grate, Add	126.00	
			For Galvanized Cast Iron Parts, Add	307.50	
			For Vandal Proof Screws, Add	30.50	

22 14 26 16-0044 Wash Area Drain (22 14 26 16)  
Note: Fox Drain DD-400





<b>Plumbing</b>	<b>22</b>
Plumbing Piping	22 10
Facility Storm Drainage	22 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0045	EA		18.5" x 18.5" Fox Drain DD-400 With 4" Bottom Outlet, Stainless Steel Top, Polyethylene Chamber And Diverter Valve .....	3,521.03	157.50
<b>22 14 26 19 Facility Trench Drains (22 14 26)</b>					
<b>22 14 26 19-0001 Trench Drain (22 14 26 19)</b>					
Note: Each section is 39.4" in length.					
22 14 26 19-0002	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,084.41	117.56
			For Vandal Proof Screws, Add .....	48.50	
			For Galvanized Cast Iron Parts, Add .....	98.25	
			For Ductile Iron Grate, Add .....	66.00	
22 14 26 19-0003	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,109.75	130.25
			For Vandal Proof Screws, Add .....	48.50	
			For Galvanized Cast Iron Parts, Add .....	98.25	
			For Ductile Iron Grate, Add .....	66.00	
22 14 26 19-0004	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,136.42	143.63
			For Vandal Proof Screws, Add .....	48.50	
			For Galvanized Cast Iron Parts, Add .....	98.25	
			For Ductile Iron Grate, Add .....	66.00	
22 14 26 19-0005	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	645.81	117.56
			For Vandal Proof Screws, Add .....	48.50	
			For Galvanized Cast Iron Parts, Add .....	98.25	
			For Ductile Iron Grate, Add .....	66.00	
22 14 26 19-0006	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	671.15	130.25
			For Vandal Proof Screws, Add .....	48.50	
			For Galvanized Cast Iron Parts, Add .....	98.25	
			For Ductile Iron Grate, Add .....	66.00	
22 14 26 19-0007	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	697.82	143.63
			For Vandal Proof Screws, Add .....	48.50	
			For Galvanized Cast Iron Parts, Add .....	98.25	
			For Ductile Iron Grate, Add .....	66.00	
22 14 26 19-0008	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,024.65	117.56
			For Vandal Proof Screws, Add .....	48.50	
			For Galvanized Cast Iron Parts, Add .....	98.25	
			For Ductile Iron Grate, Add .....	66.00	
22 14 26 19-0009	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,049.99	130.25
			For Vandal Proof Screws, Add .....	48.50	
			For Galvanized Cast Iron Parts, Add .....	98.25	
			For Ductile Iron Grate, Add .....	66.00	
22 14 26 19-0010	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,076.66	143.63
			For Vandal Proof Screws, Add .....	48.50	
			For Galvanized Cast Iron Parts, Add .....	98.25	
			For Ductile Iron Grate, Add .....	66.00	
22 14 26 19-0011	EA		6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	966.34	58.59
			For Vandal Proof Screws, Add .....	48.50	
			For Galvanized Cast Iron Parts, Add .....	98.25	
			For Ductile Iron Grate, Add .....	66.00	
22 14 26 19-0012	EA		6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	527.74	58.59
			For Vandal Proof Screws, Add .....	48.50	
			For Galvanized Cast Iron Parts, Add .....	98.25	
			For Ductile Iron Grate, Add .....	66.00	
22 14 26 19-0013	EA		6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	906.58	58.59
			For Vandal Proof Screws, Add .....	48.50	
			For Galvanized Cast Iron Parts, Add .....	98.25	
			For Ductile Iron Grate, Add .....	66.00	
22 14 26 19-0014	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,740.86	117.56
			For Sediment Bucket, Add .....	116.00	
			For Convex Grate On Cast Iron Or Ductile Price, Add .....	38.50	
			For Ductile Iron Grate, Add .....	181.50	
			For Vandal Proof Screws, Add .....	48.50	
			For Galvanized Sediment Bucket, Add .....	188.50	
			For Galvanized Cast Iron Parts, Add .....	131.50	
22 14 26 19-0015	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,766.20	130.25
			For Sediment Bucket, Add .....	116.00	
			For Convex Grate On Cast Iron Or Ductile Price, Add .....	38.50	
			For Ductile Iron Grate, Add .....	181.50	
			For Vandal Proof Screws, Add .....	48.50	
			For Galvanized Sediment Bucket, Add .....	188.50	
			For Galvanized Cast Iron Parts, Add .....	131.50	

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 14</b>	<b>Facility Storm Drainage</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0016 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,792.87	143.63
For Sediment Bucket, Add	116.00	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Ductile Iron Grate, Add	181.50	
For Vandal Proof Screws, Add	48.50	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0017 EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,198.16	117.56
For Sediment Bucket, Add	116.00	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Ductile Iron Grate, Add	181.50	
For Vandal Proof Screws, Add	48.50	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0018 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,223.50	130.25
For Sediment Bucket, Add	116.00	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Ductile Iron Grate, Add	181.50	
For Vandal Proof Screws, Add	48.50	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0019 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,250.17	143.63
For Sediment Bucket, Add	116.00	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Ductile Iron Grate, Add	181.50	
For Vandal Proof Screws, Add	48.50	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0020 EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,666.64	117.56
For Sediment Bucket, Add	116.00	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Ductile Iron Grate, Add	181.50	
For Vandal Proof Screws, Add	48.50	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0021 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,691.98	130.25
For Sediment Bucket, Add	116.00	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Ductile Iron Grate, Add	181.50	
For Vandal Proof Screws, Add	48.50	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0022 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,718.65	143.63
For Sediment Bucket, Add	116.00	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Ductile Iron Grate, Add	181.50	
For Vandal Proof Screws, Add	48.50	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0023 EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,451.67	117.56
For Sediment Bucket, Add	116.00	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Ductile Iron Grate, Add	181.50	
For Vandal Proof Screws, Add	48.50	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0024 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,477.01	130.25
For Sediment Bucket, Add	116.00	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Ductile Iron Grate, Add	181.50	
For Vandal Proof Screws, Add	48.50	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0025 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,503.68	143.63
For Sediment Bucket, Add	116.00	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Ductile Iron Grate, Add	181.50	
For Vandal Proof Screws, Add	48.50	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0026 EA 12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,622.77	58.59
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Ductile Iron Grate, Add	181.50	
For Vandal Proof Screws, Add	48.50	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0027	EA 12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....		1,080.07	58.59
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>		38.50	
	<i>For Ductile Iron Grate, Add</i>		181.50	
	<i>For Vandal Proof Screws, Add</i>		48.50	
22 14 26 19-0028	EA 12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....		1,548.55	58.59
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>		38.50	
	<i>For Ductile Iron Grate, Add</i>		181.50	
	<i>For Vandal Proof Screws, Add</i>		48.50	
22 14 26 19-0029	EA 12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....		1,333.58	58.59
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>		38.50	
	<i>For Ductile Iron Grate, Add</i>		181.50	
	<i>For Vandal Proof Screws, Add</i>		48.50	
<b>22 14 29</b>	<b>Sump Pumps</b> <small>(22 14)</small>			
	See CSI section 22 11 16 00-0000 for pipe extensions into well.			
<b>22 14 29 13</b>	<b>Wet-Pit-Mounted, Vertical Sump Pumps</b> <small>(22 14 29)</small>			
<b>22 14 29 13-0001</b>	<b>Vertical Mounted Sump Pumps</b> <small>(22 14 29 13)</small>			
	Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.			
22 14 29 13-0002	EA 1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head.....		4,905.08	283.32
	<i>For Explosion Proof Motor, Add</i>		274.20	
22 14 29 13-0003	EA 1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head.....		5,200.22	342.92
	<i>For Explosion Proof Motor, Add</i>		304.83	
22 14 29 13-0004	EA 2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head.....		5,946.24	407.41
	<i>For Explosion Proof Motor, Add</i>		393.80	
22 14 29 13-0005	EA 3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head.....		6,365.08	501.19
	<i>For Explosion Proof Motor, Add</i>		446.30	
22 14 29 13-0006	EA 5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head.....		6,726.70	543.20
	<i>For Explosion Proof Motor, Add</i>		651.95	
22 14 29 13-0007	EA 10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head.....		7,979.34	651.65
	<i>For Explosion Proof Motor, Add</i>		739.46	
22 14 29 13-0008	EA 15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head.....		9,305.12	674.80
	<i>For Explosion Proof Motor, Add</i>		1,212.01	
22 14 29 13-0009	EA 20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head.....		11,316.41	838.61
	<i>For Explosion Proof Motor, Add</i>		1,608.73	
22 14 29 13-0010	EA 30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head.....		12,247.17	978.02
	<i>For Explosion Proof Motor, Add</i>		2,085.66	
22 14 29 13-0011	EA 50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head.....		16,389.97	1,174.04
	<i>For Explosion Proof Motor, Add</i>		2,717.19	
22 14 29 13-0012	EA 60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head.....		22,585.29	1,304.03
	<i>For Explosion Proof Motor, Add</i>		4,306.95	
<b>22 14 29 13-0013</b>	<b>Extra Column Assemblies</b> <small>(22 14 29 13)</small>			
22 14 29 13-0014	EA 1-1/2" Diameter x 5' Long Extra Column Assembly .....		755.69	
22 14 29 13-0015	EA 2" Diameter x 5' Long Extra Column Assembly .....		826.90	
22 14 29 13-0016	EA 2-1/2" Diameter x 5' Long Extra Column Assembly .....		904.82	
22 14 29 13-0017	EA 3" Diameter x 5' Long Extra Column Assembly .....		1,086.42	
22 14 29 13-0018	EA 4" Diameter x 5' Long Extra Column Assembly .....		1,214.32	
22 14 29 13-0019	EA 5" Diameter x 5' Long Extra Column Assembly .....		1,236.43	
22 14 29 13-0020	EA 6" Diameter x 5' Long Extra Column Assembly .....		1,388.02	
22 14 29 13-0021	EA 8" Diameter x 5' Long Extra Column Assembly .....		1,518.82	
<b>22 14 29 13-0022</b>	<b>Support Plate</b> <small>(22 14 29 13)</small>			
22 14 29 13-0023	EA 24" Steel Support Plate, Round Or Square.....		792.80	39.05
22 14 29 13-0024	EA 30" Steel Support Plate, Round Or Square.....		877.59	43.94
22 14 29 13-0025	EA 36" Steel Support Plate, Round Or Square.....		1,218.44	58.59
22 14 29 13-0026	EA 40" Steel Support Plate, Round Or Square.....		1,772.93	68.35
22 14 29 13-0027	EA 42" Steel Support Plate, Round Or Square.....		1,901.45	70.79
22 14 29 13-0028	EA 48" Steel Support Plate, Round Or Square.....		2,033.73	73.24
22 14 29 13-0029	EA 54" Steel Support Plate, Round Or Square.....		2,592.34	87.87
22 14 29 13-0030	EA 60" Steel Support Plate, Round Or Square.....		3,517.84	97.64
22 14 29 13-0031	EA 72" Steel Support Plate, Round Or Square.....		4,698.74	122.06
22 14 29 13-0032	EA 84" Steel Support Plate, Round Or Square.....		5,676.88	134.25
<b>22 14 29 16</b>	<b>Submersible Sump Pumps</b> <small>(22 14 29)</small>			
<b>22 14 29 16-0001</b>	<b>Submersible Sump Pump With Vortex Impeller</b> <small>(22 14 29 16)</small>			
<b>22 14 29 16-0002</b>	<b>Submersible Sump Pump With Cast Iron Vortex Impeller</b> <small>(22 14 29 16-0001)</small>			
22 14 29 16-0003	EA 1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....		439.38	63.62
22 14 29 16-0004	EA 1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....		486.11	63.62
22 14 29 16-0005	EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....		760.64	67.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0006 EA 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	834.58	67.32
<b>22 14 29 16-0007 Submersible Sump Pump With Bronze Vortex Impeller</b> (22 14 29 16-0001) Note: Includes 20' of cord with pump.		
22 14 29 16-0008 EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller .....	1,276.18	67.32
22 14 29 16-0009 EA 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller .....	1,387.61	67.32
22 14 29 16-0010 EA 1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller .....	1,458.09	74.21
22 14 29 16-0011 EA 1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller .....	1,577.22	74.21
22 14 29 16-0012 EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller .....	1,624.43	84.81
22 14 29 16-0013 EA 1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller .....	1,741.51	84.81
22 14 29 16-0014 EA 2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller .....	1,745.93	100.72
22 14 29 16-0015 EA 2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller .....	1,847.60	100.72
<b>22 14 29 16-0016 Submersible Sump Pump With Semi-Open Impeller</b> (22 14 29 16) Note: Includes 20' of cord with pump.		
22 14 29 16-0017 EA 1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,058.27	63.62
22 14 29 16-0018 EA 1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,092.56	63.62
22 14 29 16-0019 EA 1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,363.57	67.32
22 14 29 16-0020 EA 1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,387.66	67.32
22 14 29 16-0021 EA 3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,664.23	71.03
22 14 29 16-0022 EA 3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,664.23	71.03
22 14 29 16-0023 EA 1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,760.09	74.21
22 14 29 16-0024 EA 1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,760.09	74.21
22 14 29 16-0025 EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	2,008.75	84.81
22 14 29 16-0026 EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	2,008.75	84.81
22 14 29 16-0027 EA 2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	2,336.60	100.72
22 14 29 16-0028 EA 2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	2,294.90	100.72
<b>22 14 29 19 Sump-Pump Basins and Pits</b> (22 14 29) See CSI section 22 13 29 33-0000 for basins and pits.		
<b>22 15 General Service Compressed-Air Systems</b> (22 10)		
<b>22 15 13 General Service Compressed-Air Piping</b> (22 15)		
22 15 13 00-0001 Quick Disconnect, Air-Service (22 15 13)		
22 15 13 00-0002 Combination Steel And Brass (22 15 13 00-0001)		
22 15 13 00-0003 EA 1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket .....	50.47	14.84
22 15 13 00-0004 EA 3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket .....	56.24	18.02
22 15 13 00-0005 Refrigerated Air Dryers With Ambient Air Filters (22 15 13) Note: 120 Voltage, 1 Phase		
22 15 13 00-0006 EA 3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	731.30	84.58
22 15 13 00-0007 EA 5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	837.87	86.94
22 15 13 00-0008 EA 7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	989.19	89.29
22 15 13 00-0009 EA 10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	1,114.48	93.98
22 15 13 00-0010 EA 15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	1,454.48	105.73
22 15 13 00-0011 EA 20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	1,644.46	120.30
22 15 13 00-0012 EA 25 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	1,844.55	136.28
22 15 13 00-0013 EA 30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	2,169.28	152.72
22 15 13 00-0014 EA 40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	2,514.37	178.57
22 15 13 00-0015 EA 50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	2,835.11	190.79
22 15 13 00-0016 EA 60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	3,333.75	211.46
22 15 13 00-0017 EA 75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	3,836.28	234.95
For 230 Voltage, Add	1,009.91	
22 15 13 00-0018 EA 85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	4,145.78	258.46
For 230 Voltage, Add	1,088.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0019 EA 100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	4,463.45 1,167.41	286.65
22 15 13 00-0020 EA 125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	4,826.56 1,264.70	305.45
22 15 13 00-0021 EA 175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	5,104.84 1,341.14	317.20
22 15 13 00-0022 EA 200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	8,880.74 2,466.86	328.95
22 15 13 00-0023 EA 250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	9,545.09 2,659.11	340.69
22 15 13 00-0024 EA 300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	10,190.90 2,845.81	352.44
22 15 13 00-0025 EA 400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	12,114.09 3,408.67	375.94
22 15 13 00-0026 EA 500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	13,733.54 3,838.11	469.92
22 15 13 00-0027 EA 600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	19,550.11 5,526.69	563.90
22 15 13 00-0028 EA 800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	26,563.44 7,574.30	657.88
22 15 13 00-0029 EA 1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	29,739.43 8,470.71	751.87
<b>22 15 13 00-0030 Oil And Water Separator For Air Compressor (22 15 13)</b>		
22 15 13 00-0031 EA 0-60 SCFM Oil/Water Separator.....	660.81	33.94
22 15 13 00-0032 EA 85 SCFM Oil/Water Separator.....	885.62	39.77
22 15 13 00-0033 EA 190 SCFM Oil/Water Separator.....	1,035.21	45.08
22 15 13 00-0034 EA 245 SCFM Oil/Water Separator.....	1,299.74	53.04
22 15 13 00-0035 EA 320 SCFM Oil/Water Separator.....	1,544.87	63.64
22 15 13 00-0036 EA 700 SCFM Oil/Water Separator.....	3,114.23	132.59
<b>22 15 13 00-0037 Heavy Duty Industrial Pressure Regulator (22 15 13)</b>		
22 15 13 00-0038 EA 3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	113.53	28.19
22 15 13 00-0039 EA 1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	158.58	37.59
22 15 13 00-0040 EA 3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	271.25	46.99
22 15 13 00-0041 EA 1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	339.86	70.49
22 15 13 00-0042 EA 1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	475.38	82.23
22 15 13 00-0043 EA 1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	498.87	93.98
<b>22 15 13 00-0044 Combination Air System; Filter Regulator Lubricator (22 15 13)</b>		
22 15 13 00-0045 EA 3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	431.67	84.58
22 15 13 00-0046 EA 1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	534.38	112.78
<b>22 15 13 00-0047 Heatless Desiccant Air Dryers (22 15 13)</b>		
22 15 13 00-0048 EA 5 SCFM Heatless Desiccant Air Dryer.....	2,551.41	84.58
22 15 13 00-0049 EA 10 SCFM Heatless Desiccant Air Dryer.....	3,067.89	93.98
22 15 13 00-0050 EA 15 SCFM Heatless Desiccant Air Dryer.....	3,097.50	103.38
22 15 13 00-0051 EA 20 SCFM Heatless Desiccant Air Dryer.....	3,538.05	117.48
22 15 13 00-0052 EA 30 SCFM Heatless Desiccant Air Dryer.....	4,874.40	140.97
22 15 13 00-0053 EA 50 SCFM Heatless Desiccant Air Dryer.....	4,812.43	187.96
22 15 13 00-0054 EA 85 SCFM Heatless Desiccant Air Dryer.....	6,464.50	234.95
22 15 13 00-0055 EA 100 SCFM Heatless Desiccant Air Dryer.....	6,859.29	281.95
22 15 13 00-0056 EA 125 SCFM Heatless Desiccant Air Dryer.....	7,852.62	328.95
22 15 13 00-0057 EA 175 SCFM Heatless Desiccant Air Dryer.....	9,017.20	375.94
22 15 13 00-0058 EA 200 SCFM Heatless Desiccant Air Dryer.....	9,689.48	422.93
22 15 13 00-0059 EA 300 SCFM Heatless Desiccant Air Dryer.....	11,849.61	469.92
22 15 13 00-0060 EA 400 SCFM Heatless Desiccant Air Dryer.....	13,161.75	563.90
22 15 13 00-0061 EA 500 SCFM Heatless Desiccant Air Dryer.....	15,212.03	657.88
22 15 13 00-0062 EA 600 SCFM Heatless Desiccant Air Dryer.....	17,552.60	751.87
<b>22 15 13 00-0063 Air Cooled Aftercoolers (22 15 13)</b>		
22 15 13 00-0064 EA 20 SCFM Air-Cooled Aftercooler.....	642.53	58.74
22 15 13 00-0065 EA 35 SCFM Air-Cooled Aftercooler.....	868.29	70.49
22 15 13 00-0066 EA 43 SCFM Air-Cooled Aftercooler.....	953.56	82.23
22 15 13 00-0067 EA 70 SCFM Air-Cooled Aftercooler.....	1,165.44	93.98
22 15 13 00-0068 EA 125 SCFM Air-Cooled Aftercooler.....	1,624.39	105.73
22 15 13 00-0069 EA 185 SCFM Air-Cooled Aftercooler.....	1,823.93	117.48
22 15 13 00-0070 EA 260 SCFM Air-Cooled Aftercooler.....	3,534.65	140.97
22 15 13 00-0071 EA 365 SCFM Air-Cooled Aftercooler.....	3,694.69	164.47
22 15 13 00-0072 EA 560 SCFM Air-Cooled Aftercooler.....	3,853.48	187.96
22 15 13 00-0073 EA 650 SCFM Air-Cooled Aftercooler.....	4,519.38	211.46
22 15 13 00-0074 EA 750 SCFM Air-Cooled Aftercooler.....	4,940.69	234.95
22 15 13 00-0075 EA 900 SCFM Air-Cooled Aftercooler.....	5,665.89	258.46
22 15 13 00-0076 EA 1,100 SCFM Air-Cooled Aftercooler.....	7,275.61	281.95
22 15 13 00-0077 EA 1,460 SCFM Air-Cooled Aftercooler.....	8,322.62	305.45
22 15 13 00-0078 EA 1,800 SCFM Air-Cooled Aftercooler.....	8,593.52	328.95

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 15 General Service Compressed-Air Systems**



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 15 13 00-0079	EA	2,500 SCFM Air-Cooled Aftercooler.....	9,214.97		352.44
<b>22 15 13 00-0080</b>		<b>Compressed Air Coalescing Filters (22 15 13)</b>			
<b>22 15 13 00-0081</b>		<b>1.0 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0080)</b>			
22 15 13 00-0082	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	223.37		34.47
22 15 13 00-0083	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	266.61		34.47
22 15 13 00-0084	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating.....	291.11		39.77
22 15 13 00-0085	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	335.20		45.61
22 15 13 00-0086	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	391.08		50.38
22 15 13 00-0087	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating.....	443.16		60.99
22 15 13 00-0088	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating.....	501.80		66.29
22 15 13 00-0089	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating.....	579.13		79.55
22 15 13 00-0090	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	743.34		106.07
22 15 13 00-0091	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	850.16		119.32
<b>22 15 13 00-0092</b>		<b>0.01 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0080)</b>			
22 15 13 00-0093	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating.....	272.78		34.47
22 15 13 00-0094	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	295.73		39.77
22 15 13 00-0095	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating.....	339.53		45.61
22 15 13 00-0096	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating.....	399.73		50.38
22 15 13 00-0097	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	453.05		60.99
22 15 13 00-0098	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	514.01		66.29
22 15 13 00-0099	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	590.25		79.55
22 15 13 00-0100	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	761.88		106.07
22 15 13 00-0101	EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	874.87		119.32
<b>22 15 13 00-0102</b>		<b>Compressed Air Storage Tanks (22 15 13)</b>			
<b>22 15 13 00-0103</b>		<b>Horizontal Compressed Air Storage Tanks (22 15 13 00-0102)</b>			
22 15 13 00-0104	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME.....	366.56		75.19
22 15 13 00-0105	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME.....	688.68		82.23
22 15 13 00-0106	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME.....	729.90		86.46
22 15 13 00-0107	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME.....	833.72		93.98
22 15 13 00-0108	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,086.91		126.88
22 15 13 00-0109	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,316.28		140.97
22 15 13 00-0110	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,990.36		164.47
22 15 13 00-0111	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME.....	2,987.48		187.96
22 15 13 00-0112	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME.....	3,334.03		199.71
22 15 13 00-0113	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME.....	4,845.91		211.46
22 15 13 00-0114	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME.....	6,395.32		246.71
22 15 13 00-0115	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME.....	9,220.44		293.70
<b>22 15 13 00-0116</b>		<b>Vertical Compressed Air Storage Tanks (22 15 13 00-0102)</b>			
22 15 13 00-0117	EA	10 Gallon Vertical Compressed Air Storage Tank, ASME.....	641.81		75.19
22 15 13 00-0118	EA	15 Gallon Vertical Compressed Air Storage Tank, ASME.....	672.30		82.23
22 15 13 00-0119	EA	20 Gallon Vertical Compressed Air Storage Tank, ASME.....	729.90		86.46
22 15 13 00-0120	EA	30 Gallon Vertical Compressed Air Storage Tank, ASME.....	866.15		93.98
22 15 13 00-0121	EA	60 Gallon Vertical Compressed Air Storage Tank, ASME.....	1,184.22		126.88
22 15 13 00-0122	EA	80 Gallon Vertical Compressed Air Storage Tank, ASME.....	1,363.13		140.97
22 15 13 00-0123	EA	120 Gallon Vertical Compressed Air Storage Tank, ASME.....	1,888.47		164.47
22 15 13 00-0124	EA	200 Gallon Vertical Compressed Air Storage Tank, ASME.....	2,777.47		187.96
22 15 13 00-0125	EA	240 Gallon Vertical Compressed Air Storage Tank, ASME.....	3,066.34		199.71
22 15 13 00-0126	EA	325 Gallon Vertical Compressed Air Storage Tank, ASME.....	4,190.67		211.46
22 15 13 00-0127	EA	400 Gallon Vertical Compressed Air Storage Tank, ASME.....	5,378.37		246.71
22 15 13 00-0128	EA	500 Gallon Vertical Compressed Air Storage Tank, ASME.....	7,030.75		270.21
22 15 13 00-0129	EA	660 Gallon Vertical Compressed Air Storage Tank, ASME.....	11,733.93		305.45
<b>22 15 19</b>		<b>General Service Packaged Air Compressors and Receivers (22 15)</b>			
		Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.			
<b>22 15 19 13</b>		<b>General Service Packaged Reciprocating Air Compressors (22 15 19)</b>			
<b>22 15 19 13-0001</b>		<b>Single Stage Compressor (22 15 19 13)</b>			
		Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.			
22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	2,813.23		333.45
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	2,935.90		384.86
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	3,348.89		454.51
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	3,816.79		501.50
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	4,676.56		529.69
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure.....	4,998.34		548.49
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure.....	5,611.88		626.87
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure.....	6,020.03		664.47
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure.....	7,227.14		752.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 15 19 13-0011</b>	<b>Two Stage Compressor</b> <small>(22 15 19 13)</small>		
	Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.		
22 15 19 13-0012	EA 1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure.....	5,383.82	586.08
22 15 19 13-0013	EA 2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure.....	5,774.14	689.56
22 15 19 13-0014	EA 3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure.....	6,032.55	752.24
22 15 19 13-0015	EA 5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure.....	6,874.66	1,002.99
22 15 19 13-0016	EA 5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure.....	7,418.80	1,002.99
22 15 19 13-0017	EA 7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure.....	7,948.77	1,253.74
22 15 19 13-0018	EA 7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure.....	8,442.29	1,253.74
22 15 19 13-0019	EA 10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure.....	10,828.11	1,550.73
22 15 19 13-0020	EA 10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure.....	11,612.61	1,597.72
22 15 19 13-0021	EA 15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure.....	12,546.01	1,867.26
22 15 19 13-0022	EA 20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure.....	18,979.53	2,113.69
22 15 19 13-0023	EA 25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure.....	20,376.74	2,388.40
22 15 19 13-0024	EA 30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure.....	22,714.57	2,639.71
22 15 19 13-0025	EA 30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure.....	24,708.77	2,893.00

**22 15 19 19 General Service Packaged Rotary-Screw Air Compressors** (22 15 19)

<b>22 15 19 19-0001</b>	<b>Rotary Screw Air Compressor, Base Mounted Without Receiver</b> <small>(22 15 19 19)</small>		
	Note: Oil flooded.		
22 15 19 19-0002	EA 3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated.....	9,214.79	846.43
22 15 19 19-0003	EA 5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated.....	10,259.14	1,128.58
22 15 19 19-0004	EA 7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	13,158.64	1,414.97
22 15 19 19-0005	EA 10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	15,194.65	1,803.18
22 15 19 19-0006	EA 15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	17,382.94	2,121.39
22 15 19 19-0007	EA 20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	21,115.11	2,386.56
22 15 19 19-0008	EA 25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	23,133.84	2,651.74
22 15 19 19-0009	EA 30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	27,858.14	2,969.94
22 15 19 19-0010	EA 40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	30,633.83	3,182.08
22 15 19 19-0011	EA 50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	34,406.68	3,429.23
22 15 19 19-0012	EA 60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	44,843.38	3,712.44
22 15 19 19-0013	EA 75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	49,782.97	3,924.57
22 15 19 19-0014	EA 100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	80,185.56	4,242.78
22 15 19 19-0015	EA 125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	100,137.86	4,587.50
22 15 19 19-0016	EA 150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	116,377.63	4,937.53
22 15 19 19-0017	EA 220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	151,584.64	5,303.48
22 15 19 19-0018	EA 250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	172,275.28	5,642.90

<b>22 15 19 19-0019</b>	<b>Rotary Screw Air Compressor, Base Mounted With Receiver</b> <small>(22 15 19 19)</small>		
	Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
22 15 19 19-0020	EA 5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	11,491.69	1,128.58
22 15 19 19-0021	EA 5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	12,220.59	1,128.58
22 15 19 19-0022	EA 7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	13,738.22	1,414.97
22 15 19 19-0023	EA 7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	14,535.45	1,414.97
22 15 19 19-0024	EA 10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	15,513.55	1,803.18
22 15 19 19-0025	EA 10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	16,356.34	1,803.18
22 15 19 19-0026	EA 15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	17,646.15	2,121.39
22 15 19 19-0027	EA 15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	18,557.28	2,121.39
22 15 19 19-0028	EA 20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	30,712.28	2,386.56
22 15 19 19-0029	EA 25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	33,072.69	2,651.74
22 15 19 19-0030	EA 30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	35,205.35	2,969.94

**22 30 Plumbing Equipment** (22)

**22 31 Domestic Water Softeners** (22 30)

- 22 31 13 Residential Domestic Water Softeners** (22 31)  
See CSI section 11 30 13 13-0109 for residential water softener.
- 22 31 16 Commercial Domestic Water Softeners** (22 31)



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 31 16 00-0001		Commercial Water Softeners (Watts Pure Water) <sup>(22 31 16)</sup>		
22 31 16 00-0002		Commercial Water Softeners (Watts Pure Water) <sup>(22 31 16 00-0001)</sup>		
22 31 16 00-0003		1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) <sup>(22 31 16 00-0002)</sup>		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11) .....	4,739.75	268.52
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11) .....	4,954.28	280.71
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11) .....	5,352.75	292.92
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11) .....	6,178.47	305.13
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11) .....	6,589.21	317.34
22 31 16 00-0009		1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) <sup>(22 31 16 00-0002)</sup>		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0010	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11) .....	7,157.72	292.92
22 31 16 00-0011	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11) .....	7,529.64	305.13
22 31 16 00-0012	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11) .....	7,942.42	317.34
22 31 16 00-0013	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11) .....	9,463.15	329.53
22 31 16 00-0014	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11) .....	10,532.10	341.74
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11) .....	12,856.16	353.95
22 31 16 00-0016		2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) <sup>(22 31 16 00-0002)</sup>		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11) .....	10,943.34	305.13
22 31 16 00-0018	EA	120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11) .....	11,341.81	317.34
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11) .....	12,866.62	329.53
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11) .....	13,935.57	341.74
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11) .....	16,386.38	353.95
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11) .....	21,666.24	366.16
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11) .....	25,372.13	378.35
22 31 16 00-0024		3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) <sup>(22 31 16 00-0002)</sup>		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025	EA	300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11) .....	26,656.09	353.95
22 31 16 00-0026	EA	450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11) .....	30,817.81	366.16
22 31 16 00-0027	EA	600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11) .....	34,474.64	378.35
22 31 16 00-0028	EA	900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11) .....	43,450.29	390.56
22 31 16 00-0029	EA	1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11) .....	48,127.15	402.77
22 31 16 00-0030		Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) <sup>(22 31 16 00-0001)</sup>		
22 31 16 00-0031		2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) <sup>(22 31 16 00-0030)</sup>		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032	EA	90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21) .....	17,983.88	457.69
22 31 16 00-0033	EA	120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21) .....	18,782.95	475.99





<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Equipment</b>	<b>22 30</b>	
<b>Domestic Water Softeners</b>	<b>22 31</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0034 EA 150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21) .....	21,413.56	494.31
22 31 16 00-0035 EA 210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21) .....	23,426.85	512.62
22 31 16 00-0036 EA 300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21) .....	28,647.37	530.92
22 31 16 00-0037 EA 450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21) .....	38,033.84	549.23
22 31 16 00-0038 EA 600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21) .....	44,807.91	567.54
<b>22 31 16 00-0039 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0039)</b> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040 EA 300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21) .....	49,015.09	530.92
22 31 16 00-0041 EA 450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21) .....	56,341.07	549.23
22 31 16 00-0042 EA 600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21) .....	63,342.03	567.54
22 31 16 00-0043 EA 900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21) .....	80,669.95	585.84
22 31 16 00-0044 EA 1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21) .....	90,095.26	604.15
<b>22 31 16 00-0045 Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045)</b>		
<b>22 31 16 00-0046 1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0046)</b> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047 EA 30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21) .....	6,206.13	402.77
22 31 16 00-0048 EA 45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21) .....	6,622.95	421.08
22 31 16 00-0049 EA 60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21) .....	7,233.96	439.38
22 31 16 00-0050 EA 90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21) .....	8,717.83	457.69
22 31 16 00-0051 EA 120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21) .....	9,657.95	475.99
<b>22 31 16 00-0052 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0052)</b> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053 EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21) .....	12,329.98	439.38
22 31 16 00-0054 EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21) .....	13,004.37	457.69
22 31 16 00-0055 EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21) .....	14,005.81	475.99
22 31 16 00-0056 EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21) .....	16,057.94	494.31
22 31 16 00-0057 EA 210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21) .....	18,140.73	512.62
22 31 16 00-0058 EA 300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21) .....	22,770.50	530.92
<b>22 32 Domestic Water Filtration Equipment (22 32)</b>		
<b>22 32 16 Domestic-Water Freestanding Cartridge Filters (22 32)</b>		
<b>22 32 16 00-0001 Commercial Water Filters Housings (22 32 16)</b>		
<b>22 32 16 00-0002 Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0001)</b>		
<b>22 32 16 00-0003 Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0002)</b>		
22 32 16 00-0004 EA 25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1) .....	2,439.96	172.36
22 32 16 00-0005 EA 30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1) .....	2,484.88	185.62
22 32 16 00-0006 EA 60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2) .....	2,644.27	198.88
22 32 16 00-0007 EA 90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3) .....	2,930.37	212.14
22 32 16 00-0008 EA 120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4) .....	3,016.17	225.40



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0009	EA		150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4) .....	3,668.20	238.66
22 32 16 00-0010	EA		250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3) .....	10,452.61	251.91
22 32 16 00-0011	EA		300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4) .....	12,169.62	265.18
22 32 16 00-0012	EA		500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3) .....	15,470.83	278.43
22 32 16 00-0013	EA		600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4) .....	17,167.41	291.69
<b>22 32 16 00-0014</b>			<b>Commercial Water Filter Cartridges (22 32 16 00-0002)</b>		
<b>22 32 16 00-0015</b>			<b>(Depth) Water Filter Cartridges (22 32 16 00-0014)</b>		
22 32 16 00-0016	EA		50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50) .....	11.91	2.12
22 32 16 00-0017	EA		20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20) .....	11.91	2.12
22 32 16 00-0018	EA		10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10) .....	11.91	2.12
22 32 16 00-0019	EA		5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5) .....	9.86	2.12
22 32 16 00-0020	EA		1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1) .....	12.42	2.12
22 32 16 00-0021	EA		50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50) .....	12.42	2.12
22 32 16 00-0022	EA		20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20) .....	13.44	2.12
22 32 16 00-0023	EA		5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5) .....	17.02	2.12
22 32 16 00-0024	EA		1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1) .....	13.44	2.12
22 32 16 00-0025	EA		50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50) .....	15.99	2.12
22 32 16 00-0026	EA		20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20) .....	15.99	2.12
22 32 16 00-0027	EA		5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5) .....	15.99	2.12
22 32 16 00-0028	EA		1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1) .....	17.53	2.12
22 32 16 00-0029	EA		50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50) .....	23.15	2.12
22 32 16 00-0030	EA		20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20) .....	21.10	2.12
22 32 16 00-0031	EA		5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5) .....	21.10	2.12
22 32 16 00-0032	EA		1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1) .....	23.15	2.12
<b>22 32 16 00-0033</b>			<b>Pleated Water Filter Cartridges (22 32 16 00-0014)</b>		
22 32 16 00-0034	EA		50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50) .....	21.62	2.12
22 32 16 00-0035	EA		20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20) .....	21.62	2.12
22 32 16 00-0036	EA		5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5) .....	22.13	2.12
22 32 16 00-0037	EA		1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1) .....	23.66	2.12
22 32 16 00-0038	EA		1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB) .....	35.92	2.12
22 32 16 00-0039	EA		50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50) .....	34.39	2.12
22 32 16 00-0040	EA		20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20) .....	34.39	2.12
22 32 16 00-0041	EA		5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5) .....	34.39	2.12
22 32 16 00-0042	EA		1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1) .....	45.63	2.12
22 32 16 00-0043	EA		1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB) .....	65.05	2.12
22 32 16 00-0044	EA		50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50) .....	54.32	2.12
22 32 16 00-0045	EA		20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20) .....	75.78	2.12
22 32 16 00-0046	EA		5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5) .....	78.85	2.12
22 32 16 00-0047	EA		1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1) .....	89.07	2.12
<b>22 32 16 00-0048</b>			<b>Commercial Non-Metallic Water Filter Housings (22 32 16 00-0001)</b>		
<b>22 32 16 00-0049</b>			<b>Commercial Non-Metallic Water Filter Housings (22 32 16 00-0048)</b>		
22 32 16 00-0050	EA		150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG) .....	1,913.65	159.11
<b>22 32 16 00-0051</b>			<b>Commercial Water Filter Cartridges (22 32 16 00-0048)</b>		
<b>22 32 16 00-0052</b>			<b>Carbon Water Filter Cartridges (22 32 16 00-0051)</b>		
22 32 16 00-0053	EA		Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5) .....	640.99	2.12
<b>22 32 16 00-0054</b>			<b>(Depth) Water Filter Cartridges (22 32 16 00-0051)</b>		
22 32 16 00-0055	EA		50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50) .....	132.51	2.12
22 32 16 00-0056	EA		20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20) .....	131.49	2.12
22 32 16 00-0057	EA		5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5) .....	131.49	2.12
22 32 16 00-0058	EA		1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1) .....	150.91	2.12
<b>22 32 16 00-0059</b>			<b>Pleated Water Filter Cartridges (22 32 16 00-0051)</b>		
22 32 16 00-0060	EA		150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150) .....	351.74	2.12
22 32 16 00-0061	EA		50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50) .....	330.28	2.12
22 32 16 00-0062	EA		20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20) .....	359.92	2.12
22 32 16 00-0063	EA		5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5) .....	377.29	2.12
22 32 16 00-0064	EA		1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1) .....	401.82	2.12
22 32 16 00-0065	EA		1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB) .....	435.55	2.12
<b>22 32 16 00-0066</b>			<b>Water Filter (22 32 16)</b>		



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Equipment</b>	<b>22 30</b>	
<b>Domestic Water Filtration Equipment</b>	<b>22 32</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 32 16 00-0067	EA	0.6 GPM Max Flow Rate, 1,500 Gallon Capacity, 1 Cartridge, Water Filter Housing (3M Cuno FM DWS 1500)	443.24	79.55
22 32 16 00-0068	EA	0.5 Micron, Activated Carbon Water Filter Cartridge (3M Cuno 47-5574704)	145.65	5.30
22 32 16 00-0069	EA	1,800 Gallon Capacity, Water Metering Valve (Water Minder EV-2000-10)	180.55	39.77

**22 33 Electric Domestic Water Heaters (22 30)**

**22 33 13 Instantaneous Electric Domestic Water Heaters (22 33)**

**22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)**

22 33 13 13-0001		Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 13)		
22 33 13 13-0002	EA	3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95)	359.86	53.02
22 33 13 13-0003	EA	7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P)	565.16	53.02

**22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)**

22 33 13 16-0001		Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 16)		
		Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002	EA	3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T)	483.24	79.51
22 33 13 16-0003	EA	12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12)	709.79	106.02
22 33 13 16-0004	EA	17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115)	1,200.87	185.54
22 33 13 16-0005	EA	26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125)	1,834.76	212.04
22 33 13 16-0006	EA	12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus)	946.79	106.02
22 33 13 16-0007	EA	14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus)	1,301.98	159.04
22 33 13 16-0008	EA	19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus)	1,456.14	212.04
22 33 13 16-0009	EA	24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus)	1,507.10	212.04
22 33 13 16-0010	EA	28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus)	1,555.23	212.04
22 33 13 16-0011	EA	36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus)	1,626.02	212.04

**22 33 30 Residential, Electric Domestic Water Heaters (22 33)**

**22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters (22 33 30)**

22 33 30 13-0001		Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 13)		
		Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater	707.65	166.99
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater	853.42	177.59
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater	993.91	185.54

**22 33 30 16 Residential, Storage Electric Domestic Water Heaters (22 33 30)**

22 33 30 16-0001		Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)		
		Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater	1,054.80	185.54
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater	1,001.40	190.85
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater	990.19	196.15
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater	1,094.00	198.80
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater	1,541.80	204.09
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater	1,573.28	212.04
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater	2,060.97	225.30

**22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)**

		Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater	1,124.72	185.54
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater	1,079.26	190.85
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater	1,139.69	196.15

**22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) (22 33 30 16)**

		Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
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**22 Plumbing**  
**22 30 Plumbing Equipment**  
**22 33 Electric Domestic Water Heaters**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 30	16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater .....	1,160.94	190.85
22 33 30	16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater .....	1,261.16	196.15
22 33 30	16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater .....	1,530.83	204.09
22 33 30	16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater .....	1,658.85	212.04
<b>22 33 30 16-0018 Water Heater Accessories (22 33 30 16)</b>					
22 33 30	16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters .....	86.69	10.60
22 33 30	16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters .....	101.30	10.60
22 33 30	16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters .....	191.56	10.60
22 33 30	16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters .....	255.08	10.60
22 33 30	16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan .....	69.43	7.95
22 33 30	16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan .....	75.88	7.95
22 33 30	16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan .....	80.18	7.95
22 33 30	16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan .....	95.23	7.95
22 33 30	16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	37.08	7.95
22 33 30	16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	40.52	7.95
22 33 30	16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	45.35	7.95
22 33 30	16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	51.57	7.95
<b>22 33 33 Light-Commercial Electric Domestic Water Heaters (22 33 33)</b>					
<b>22 33 33 00-0001 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) (22 33 33)</b>					
Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.					
22 33 33	00-0002	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S) .....	1,331.03	185.54
22 33 33	00-0003	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S) .....	1,428.58	185.54
22 33 33	00-0004	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S) .....	1,554.37	212.04
22 33 33	00-0005	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D) .....	2,669.24	212.04
22 33 33	00-0006	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D) .....	3,084.95	265.06
22 33 33	00-0007	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D) .....	3,423.24	318.07
22 33 33	00-0008	EA	Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D) .....	4,109.84	477.10
<b>22 33 33 00-0009 Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE) (22 33 33)</b>					
Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.					
22 33 33	00-0010	EA	3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3) .....	4,784.04	185.54
22 33 33	00-0011	EA	3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3) .....	4,969.85	185.54
22 33 33	00-0012	EA	6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6) .....	5,171.15	185.54
22 33 33	00-0013	EA	3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3) .....	5,224.16	212.04
22 33 33	00-0014	EA	6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6) .....	5,456.43	212.04
22 33 33	00-0015	EA	9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9) .....	5,828.05	212.04
22 33 33	00-0016	EA	12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12) .....	6,075.80	212.04
22 33 33	00-0017	EA	15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15) .....	6,277.10	212.04
22 33 33	00-0018	EA	18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18) .....	6,493.88	212.04
22 33 33	00-0019	EA	6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6) .....	5,688.69	212.04
22 33 33	00-0020	EA	9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9) .....	5,905.47	212.04
22 33 33	00-0021	EA	12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12) .....	6,153.22	212.04
22 33 33	00-0022	EA	15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15) .....	6,354.52	212.04
22 33 33	00-0023	EA	18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18) .....	6,571.30	212.04
22 33 33	00-0024	EA	24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24) .....	8,166.19	212.04
22 33 33	00-0025	EA	9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9) .....	6,212.79	265.06
22 33 33	00-0026	EA	12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12) .....	6,414.09	265.06
22 33 33	00-0027	EA	15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15) .....	6,661.84	265.06
22 33 33	00-0028	EA	18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18) .....	6,878.62	265.06
22 33 33	00-0029	EA	24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24) .....	8,488.99	265.06
22 33 33	00-0030	EA	30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30) .....	9,232.24	265.06
22 33 33	00-0031	EA	36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36) .....	9,960.00	265.06
22 33 33	00-0032	EA	9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9) .....	7,185.93	318.07
22 33 33	00-0033	EA	12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12) .....	7,387.23	318.07
22 33 33	00-0034	EA	15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15) .....	7,588.53	318.07
22 33 33	00-0035	EA	18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18) .....	7,805.31	318.07
22 33 33	00-0036	EA	24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24) .....	9,462.13	318.07
22 33 33	00-0037	EA	30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30) .....	10,205.38	318.07
22 33 33	00-0038	EA	36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36) .....	10,933.15	318.07
22 33 33	00-0039	EA	45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45) .....	12,249.32	318.07
22 33 33	00-0040	EA	54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54) .....	12,837.72	318.07
22 33 33	00-0041	EA	60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60) .....	14,881.65	318.07
22 33 33	00-0042	EA	75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75) .....	17,513.99	318.07
22 33 33	00-0043	EA	90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90) .....	21,942.52	318.07
22 33 33	00-0044	EA	9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9) .....	8,110.27	424.09
22 33 33	00-0045	EA	12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12) .....	8,342.54	424.09
22 33 33	00-0046	EA	15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15) .....	8,559.32	424.09
22 33 33	00-0047	EA	18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18) .....	8,745.13	424.09
22 33 33	00-0048	EA	24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24) .....	10,386.47	424.09
22 33 33	00-0049	EA	30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30) .....	11,129.72	424.09
22 33 33	00-0050	EA	36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36) .....	11,842.00	424.09
22 33 33	00-0051	EA	45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45) .....	13,189.14	424.09
22 33 33	00-0052	EA	54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54) .....	13,762.06	424.09
22 33 33	00-0053	EA	60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60) .....	15,821.48	424.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0054 EA 75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75) .....	18,469.30	424.09
22 33 33 00-0055 EA 90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90) .....	22,882.34	424.09
22 33 33 00-0056 EA 12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12) .....	9,067.93	477.10
22 33 33 00-0057 EA 15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15) .....	9,284.71	477.10
22 33 33 00-0058 EA 18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18) .....	9,470.53	477.10
22 33 33 00-0059 EA 24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24) .....	11,127.35	477.10
22 33 33 00-0060 EA 30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30) .....	11,793.18	477.10
22 33 33 00-0061 EA 36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36) .....	12,567.40	477.10
22 33 33 00-0062 EA 45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45) .....	13,914.53	477.10
22 33 33 00-0063 EA 54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54) .....	14,502.94	477.10
22 33 33 00-0064 EA 60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60) .....	16,438.48	477.10
22 33 33 00-0065 EA 75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75) .....	19,194.70	477.10
22 33 33 00-0066 EA 90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90) .....	23,607.74	477.10
22 33 33 00-0067 EA 15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15) .....	10,195.92	530.11
22 33 33 00-0068 EA 18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18) .....	10,443.67	530.11
22 33 33 00-0069 EA 24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24) .....	12,054.04	530.11
22 33 33 00-0070 EA 30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30) .....	12,797.29	530.11
22 33 33 00-0071 EA 36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36) .....	13,525.05	530.11
22 33 33 00-0072 EA 45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45) .....	14,841.22	530.11
22 33 33 00-0073 EA 54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54) .....	15,445.11	530.11
22 33 33 00-0074 EA 60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60) .....	17,473.56	530.11
22 33 33 00-0075 EA 75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75) .....	20,105.90	530.11
22 33 33 00-0076 EA 90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90) .....	24,549.91	530.11
22 33 33 00-0077 EA 15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15) .....	10,965.41	636.13
22 33 33 00-0078 EA 18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18) .....	11,182.19	636.13
22 33 33 00-0079 EA 24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24) .....	12,792.56	636.13
22 33 33 00-0080 EA 30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30) .....	13,504.84	636.13
22 33 33 00-0081 EA 36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36) .....	14,263.57	636.13
22 33 33 00-0082 EA 45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45) .....	15,579.74	636.13
22 33 33 00-0083 EA 54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54) .....	16,137.18	636.13
22 33 33 00-0084 EA 60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60) .....	18,227.57	636.13
22 33 33 00-0085 EA 75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75) .....	20,875.39	636.13
22 33 33 00-0086 EA 90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90) .....	25,272.95	636.13
<b>22 33 33 00-0087 Water Heater Accessories (22 33 33)</b>		
22 33 33 00-0088 EA Up To 80 Gallon Water Heater Strap .....	45.18	
Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts		
22 33 33 00-0089 EA >80 To 120 Gallon Water Heater Strap .....	66.31	
Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts		
<b>22 33 33 00-0090 Removal And Reinstallation Of Water Heater (22 33 33)</b>		
Note: Includes storage and cleaning.		
22 33 33 00-0091 EA Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon .....	353.41	
22 33 33 00-0092 EA Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon .....	1,060.23	
<b>22 34 Fuel-Fired Domestic Water Heaters (22 30)</b>		
<b>22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34)</b>		
22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)		
22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)		
Note: Includes vent connection. Excludes vent.		
22 34 13 00-0003 EA 4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN) .....	1,454.22	212.04
22 34 13 00-0004 EA 5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN) .....	1,567.44	214.69
22 34 13 00-0005 EA 5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN) .....	1,715.40	219.99
22 34 13 00-0006 EA 6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN) .....	1,990.74	225.30
22 34 13 00-0007 EA 7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN) .....	2,401.98	238.55
22 34 13 00-0008 EA 7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN) .....	2,451.03	238.55
<b>22 34 13 00-0009 Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)</b>		
22 34 13 00-0010 EA 5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN) .....	1,562.14	212.04
22 34 13 00-0011 EA 7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN) .....	2,401.98	238.55
<b>22 34 30 Residential Gas Domestic Water Heaters (22 34)</b>		
<b>22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters (22 34 30)</b>		
22 34 30 13-0001 Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 13)		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0002 EA 30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30) .....	1,108.88	204.09
22 34 30 13-0003 EA 40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40) .....	1,093.01	209.39

**22 Plumbing****22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 30 13-0004 EA 50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50).....	1,425.96	214.69
22 34 30 13-0005 EA 65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-65).....	1,537.88	219.99
22 34 30 13-0006 EA 75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75).....	1,672.98	225.69
22 34 30 13-0007 EA 100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100).....	2,433.03	238.55
<b>22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters (22 34 30)</b>		
<b>22 34 30 16-0001 Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 16)</b>		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-0002 EA 40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40) .....	1,956.75	209.39
22 34 30 16-0003 EA 50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50) .....	2,220.17	214.69
22 34 30 16-0004 EA 75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75) .....	2,861.87	219.99
<b>22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters (22 34 30)</b>		
<b>22 34 30 19-0001 Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 19)</b>		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002 EA 40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40) .....	1,786.00	209.39
22 34 30 19-0003 EA 50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50) .....	1,858.89	214.69
<b>22 34 36 Commercial Gas Domestic Water Heaters (22 34)</b>		
<b>22 34 36 13 Commercial, Atmospheric, Gas Domestic Water Heaters (22 34 36)</b>		
<b>22 34 36 13-0001 Gas Fired Commercial Water Heaters (A.O. Smith BTR) (22 34 36 13)</b>		
Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 13-0002 EA 120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120) .....	6,497.06	318.07
22 34 36 13-0003 EA 154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154) .....	6,927.91	371.08
22 34 36 13-0004 EA 180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180) .....	8,580.31	424.09
22 34 36 13-0005 EA 199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199) .....	7,408.17	424.09
22 34 36 13-0006 EA 199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200) .....	8,532.43	424.09
22 34 36 13-0007 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A).....	11,402.32	466.51
22 34 36 13-0008 EA 250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250) .....	8,247.14	477.10
22 34 36 13-0009 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A).....	12,276.70	524.81
22 34 36 13-0010 EA 251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251) .....	8,377.04	477.10
22 34 36 13-0011 EA 251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A).....	11,704.51	524.81
22 34 36 13-0012 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275) .....	9,269.52	583.13
22 34 36 13-0013 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A).....	12,788.32	641.44
22 34 36 13-0014 EA 305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305) .....	10,444.81	583.13
22 34 36 13-0015 EA 305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A).....	12,865.64	641.44
22 34 36 13-0016 EA 365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365) .....	10,086.97	636.13
22 34 36 13-0017 EA 365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A).....	14,203.96	699.75
22 34 36 13-0018 EA 390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400) .....	12,855.04	636.13
22 34 36 13-0019 EA 390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A).....	16,863.83	699.75
22 34 36 13-0020 EA 500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500) .....	16,796.23	689.15
22 34 36 13-0021 EA 150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151) .....	8,381.51	371.08
22 34 36 13-0022 EA 150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A).....	10,064.01	408.19
22 34 36 13-0023 EA 199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201) .....	8,704.03	424.09
22 34 36 13-0024 EA 199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A).....	10,443.53	466.51
22 34 36 13-0025 EA Sidewall Power Vent System For BTR-120 through BTR-200 .....	2,076.47	265.06
22 34 36 13-0026 EA Sidewall Power Vent System For BTR-250 through BTR-500 .....	2,277.51	265.06
<b>22 34 36 13-0027 Removal And Reinstallation Of Water Heater (22 34 36 13)</b>		
Note: Includes storage and cleaning.		
22 34 36 13-0028 EA Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon .....	481.92	
22 34 36 13-0029 EA Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon.....	1,274.31	
<b>22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters (22 34 36)</b>		
<b>22 34 36 19-0001 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) (22 34 36 19)</b>		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 19-0002 EA 90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100) .....	5,275.37	318.07
22 34 36 19-0003 EA 120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120) .....	7,579.57	318.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 19-0004 EA 154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154) .....	9,247.51	371.08
22 34 36 19-0005 EA 180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180) .....	9,616.43	424.09
22 34 36 19-0006 EA 199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199) .....	9,662.82	424.09
22 34 36 19-0007 EA 199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200) .....	9,879.32	424.09
22 34 36 19-0008 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A) .....	11,603.36	466.51
22 34 36 19-0009 EA 250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250) .....	10,897.74	477.10
22 34 36 19-0010 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A) .....	13,421.06	524.81
22 34 36 19-0011 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275) .....	11,403.61	583.13
22 34 36 19-0012 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A) .....	13,994.54	641.44
22 34 36 19-0013 EA 310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310) .....	11,651.04	583.13
22 34 36 19-0014 EA 310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A) .....	14,149.18	641.44
22 34 36 19-0015 EA 366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366) .....	13,071.54	636.13
22 34 36 19-0016 EA 366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A) .....	15,379.25	699.75
22 34 36 19-0017 EA 390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400) .....	15,870.60	636.13
22 34 36 19-0018 EA 390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A) .....	18,317.49	699.75
 <b>22 34 36 19-0019 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH)</b> <small>(22 34 36 19)</small>		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 19-0020 EA 76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80) .....	4,069.15	318.07
22 34 36 19-0021 EA 100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100) .....	5,491.87	318.07
22 34 36 19-0022 EA 120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120) .....	6,667.17	318.07
22 34 36 19-0023 EA 120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A) .....	9,638.10	349.87
22 34 36 19-0024 EA 150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150) .....	9,866.09	371.08
22 34 36 19-0025 EA 150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A) .....	12,461.00	408.19
22 34 36 19-0026 EA 199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199) .....	10,003.04	424.09
22 34 36 19-0027 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A) .....	12,825.05	466.51
22 34 36 19-0028 EA 250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250) .....	11,562.71	477.10
22 34 36 19-0029 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A) .....	14,086.03	524.81
22 34 36 19-0030 EA 300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A) .....	18,448.29	641.44
22 34 36 19-0031 EA 399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A) .....	19,384.53	699.75
22 34 36 19-0032 EA 499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A) .....	22,315.67	758.06
 <b>22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters</b> <small>(22 34 36)</small>		
<b>22 34 36 23-0001 Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm)</b> <small>(22 34 36 23)</small>		
Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.		
22 34 36 23-0002 EA 400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400) .....	87,975.86	1,436.29
22 34 36 23-0003 EA 1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000) .....	106,475.87	1,526.06
22 34 36 23-0004 EA 2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000) .....	129,492.52	1,615.83
22 34 36 23-0005 EA 3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000) .....	154,915.01	1,705.59
22 34 36 23-0006 EA 4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000) .....	162,372.67	1,795.36
 <b>22 34 36 23-0007 Gas Fired Volume Water Heater (Laars Mighty Therm)</b> <small>(22 34 36 23)</small>		
22 34 36 23-0008 EA 200 MBH Gas Fired Volume Water Heater (Laars MT2V0200) .....	10,787.96	781.59
22 34 36 23-0009 EA 300 MBH Gas Fired Volume Water Heater (Laars MT2V0300) .....	11,694.76	879.29
22 34 36 23-0010 EA 400 MBH Gas Fired Volume Water Heater (Laars MT2V0400) .....	13,523.99	1,074.69
22 34 36 23-0011 EA 500 MBH Gas Fired Volume Water Heater (Laars MT2V0500) .....	19,828.84	1,172.39
22 34 36 23-0012 EA 750 MBH Gas Fired Volume Water Heater (Laars MT2V0750) .....	21,785.12	1,367.78
22 34 36 23-0013 EA 1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000) .....	24,919.88	1,563.19
22 34 36 23-0014 EA 1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250) .....	27,519.16	1,758.59
22 34 36 23-0015 EA 1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500) .....	32,946.44	1,953.99
22 34 36 23-0016 EA 1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750) .....	34,179.62	2,051.68
22 34 36 23-0017 EA 2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000) .....	36,683.17	2,149.38

**22 Plumbing****22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters (22 34 36)****22 34 36 26-0001 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters (22 34 36 26)**

22 34 36 26-0002	EA	1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	36,819.01	1,485.03
22 34 36 26-0003	EA	1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	52,221.14	1,641.34
22 34 36 26-0004	EA	2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	56,693.89	1,719.50
22 34 36 26-0005	EA	2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	61,399.40	1,875.82

**22 34 36 26-0006 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)**

22 34 36 26-0007	EA	1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos) .....	32,572.51	1,485.03
22 34 36 26-0008	EA	1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos) .....	35,983.76	1,641.34
22 34 36 26-0009	EA	2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos) .....	39,373.38	1,719.50
22 34 36 26-0010	EA	2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos) .....	42,774.89	1,875.82

**22 34 36 26-0011 Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)**

22 34 36 26-0012	EA	200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	8,213.59	703.43
22 34 36 26-0013	EA	300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	9,032.57	781.59
22 34 36 26-0014	EA	400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	10,599.06	937.91
22 34 36 26-0015	EA	500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	15,108.90	976.99
22 34 36 26-0016	EA	750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	16,600.96	1,172.39
22 34 36 26-0017	EA	1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	20,491.80	1,406.87
22 34 36 26-0018	EA	1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	23,347.13	1,485.03
22 34 36 26-0019	EA	1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	25,899.08	1,602.27
22 34 36 26-0020	EA	1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	28,302.98	1,680.43
22 34 36 26-0021	EA	2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	30,415.94	1,719.50

**22 34 36 26-0022 Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 26)**

22 34 36 26-0023	EA	700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	23,724.04	1,172.39
22 34 36 26-0024	EA	1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	26,115.69	1,406.87
22 34 36 26-0025	EA	1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	31,295.71	1,602.27
22 34 36 26-0026	EA	1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	32,248.65	1,680.43
22 34 36 26-0027	EA	2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	33,748.19	1,719.50

**22 34 36 26-0028 Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 26)**

22 34 36 26-0029	EA	1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire) .....	28,534.32	1,406.87
22 34 36 26-0030	EA	1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire) .....	34,505.10	1,602.27
22 34 36 26-0031	EA	2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire) .....	36,619.57	1,719.50

**22 34 46 Oil-Fired Domestic Water Heaters (22 34)****22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters (22 34 46)****22 34 46 11-0001 Oil-Fired Domestic Water Heaters (Bock) (22 34 46 11)**

Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 46 11-0002	EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E) .....	2,129.44	163.28
22 34 46 11-0003	EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E) .....	2,099.21	163.28
22 34 46 11-0004	EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES) .....	2,196.34	163.28
22 34 46 11-0005	EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E) .....	2,322.69	167.51
22 34 46 11-0006	EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES) .....	2,983.89	171.75
22 34 46 11-0007	EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E) .....	2,503.58	171.75

**22 34 46 11-0008 Oil Fired Commercial Water Heaters (22 34 46 11)**

Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 46 11-0009	EA	173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Bock 71E) .....	3,458.43	254.45
22 34 46 11-0010	EA	199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 72E) .....	4,090.78	254.45
22 34 46 11-0011	EA	242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 73E) .....	4,115.11	254.45
22 34 46 11-0012	EA	190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E) .....	5,945.02	339.27
22 34 46 11-0013	EA	415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E) .....	8,182.42	424.09
22 34 46 11-0014	EA	623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E) .....	10,344.20	466.51





<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Equipment</b>	<b>22 30</b>	
<b>Domestic Water Heat Exchangers</b>	<b>22 35</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**22 35 Domestic Water Heat Exchangers (22 30)**

**22 35 23 Circulating, Domestic Water Heat Exchangers (22 35)**

**22 35 23 13 Circulating, Compact Domestic Water Heat Exchangers (22 35 23)**

**22 35 23 13-0001 Steam Driven Water Heaters (22 35 23 13)**

**22 35 23 13-0002 Constant Flow (22 35 23 13-0001)**

22 35 23 13-0003	EA	30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow .....	6,343.77	530.11
22 35 23 13-0004	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow .....	7,925.14	649.60
22 35 23 13-0005	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow .....	10,152.74	849.56
22 35 23 13-0006	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow .....	13,733.33	1,183.32
22 35 23 13-0007	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow .....	20,234.03	1,948.91
22 35 23 13-0008	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow .....	22,038.94	2,208.77
22 35 23 13-0009	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow .....	28,973.13	2,548.58
22 35 23 13-0010	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow .....	34,869.29	3,012.00

**22 35 23 13-0011 Variable Flow (22 35 23 13-0001)**

22 35 23 13-0012	EA	30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow .....	9,521.60	1,033.72
22 35 23 13-0013	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow .....	10,778.10	1,262.20
22 35 23 13-0014	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow .....	13,745.65	1,632.11
22 35 23 13-0015	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow .....	18,005.85	2,277.16
22 35 23 13-0016	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow .....	26,808.69	3,808.34
22 35 23 13-0017	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow .....	32,692.17	4,193.95
22 35 23 13-0018	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow .....	37,862.53	4,908.44
22 35 23 13-0019	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow .....	47,988.99	5,864.13

**22 40 Plumbing Fixtures (22)**

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

**22 41 Residential Plumbing Fixtures (22 40)**

**22 41 39 Residential Faucets, Supplies, and Trim (22 41)**

**22 41 39 00-0001 Residential Kitchen Faucets (22 41 39)**

22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100LF-WF) .....	175.70	48.82
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF) .....	202.15	48.82
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF) .....	202.15	48.82
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215) .....	194.85	48.82
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215) .....	209.05	48.82

**22 41 39 00-0007 Residential Lavatory Faucets (22 41 39)**

22 41 39 00-0008	EA	Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST) .....	159.47	35.15
		<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0009	EA	Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF) .....	159.47	35.15
		<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0010	EA	Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF) .....	115.97	35.15
		<i>For Faucet With Plastic Pop-Up, Add</i>	14.00	
		<i>For Faucet With Brass Pop-Up, Add</i>	16.50	

**22 41 39 00-0011 Residential Bath And Shower Faucets (22 41 39)**

22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501) .....	207.25	42.38
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502) .....	243.43	42.38
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275) .....	191.48	42.38
		<i>For Faucet With Lever Handles, Add</i>	8.10	
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00	
22 41 39 00-0015	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375) .....	210.96	42.38
		<i>For Faucet With Lever Handles, Add</i>	8.10	
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00	
22 41 39 00-0016	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602) .....	233.90	26.51
22 41 39 00-0017	EA	Wall Mount, Hand Shower With Hose (Delta 55011) .....	195.16	26.51
22 41 39 00-0018	EA	Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS) .....	290.00	26.51

**22 41 39 00-0019 Residential Laundry Faucets (22 41 39)**

22 41 39 00-0020	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF) .....	137.76	31.17
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**22 41 39 00-0021 Residential Laundry/Wash Basin Faucets (22 41 39)**

**22 Plumbing****22 40 Plumbing Fixtures****22 41 Residential Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 39 00-0022	EA		Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF) .....	138.85	31.17
22 41 39 00-0023	EA		Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503) .....	197.28	34.35
<b>22 41 39 00-0024</b>			<b>Other Residential Faucets (22 41 39)</b>		
22 41 39 00-0025	EA		Sillcock, Compact, Brass, IPS Or Copper To Hose .....	38.31	7.95
<b>22 42</b>			<b>Commercial Plumbing Fixtures (22 40)</b>		
Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.					
<b>22 42 13</b>			<b>Commercial Water Closets, Urinals, and Bidets (22 42)</b>		
<b>22 42 13 13</b>			<b>Commercial Water Closets (22 42 13)</b>		
22 42 13 13-0001			<b>Vitreous China Water Closets (22 42 13 13)</b>		
Note: With a 2" ball pass.					
22 42 13 13-0002			<b>Floor Mounted Elongated Vitreous China Water Closets (22 42 13 13-0001)</b>		
Note: Includes wax seal and toilet seat. Excludes flush valve.					
22 42 13 13-0003	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™) .....	628.51	101.54
22 42 13 13-0004	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Colorado) .....	621.62	101.54
22 42 13 13-0005	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo®) .....	761.61	101.54
22 42 13 13-0006	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™) .....	1,004.11	101.54
22 42 13 13-0007	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet™) .....	891.66	101.54
22 42 13 13-0008	EA		1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet™) .....	828.16	101.54
22 42 13 13-0009	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®) .....	832.53	101.54
22 42 13 13-0010	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcome™) .....	618.76	101.54
22 42 13 13-0011	EA		1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E) .....	667.77	101.54
22 42 13 13-0012			<b>Wall Hung Elongated Vitreous China Water Closets (22 42 13 13-0001)</b>		
Note: Includes wax seal and toilet seat. Excludes flush valve.					
22 42 13 13-0013	EA		Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard AFWall®) .....	721.65	124.98
22 42 13 13-0014	EA		Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard AFWall® ADA Retrofit) .....	915.17	124.98
22 42 13 13-0015	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™) .....	1,178.32	124.98
22 42 13 13-0016	EA		Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™) .....	724.75	124.98
22 42 13 13-0017	EA		Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™) .....	1,142.52	124.98
22 42 13 13-0018	EA		Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV) .....	810.13	124.98
22 42 13 13-0019	EA		Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL) .....	677.22	124.98
22 42 13 13-0020	EA		Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459) .....	715.74	124.98
22 42 13 13-0021			<b>Floor Mounted Elongated Handicapped Water Closets (22 42 13 13-0001)</b>		
Note: Includes wax seal and toilet seat. Excludes flush valve.					
22 42 13 13-0022	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA) .....	638.03	101.54
22 42 13 13-0023	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®) .....	654.86	101.54
22 42 13 13-0024	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®) .....	729.06	101.54
22 42 13 13-0025	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron) .....	820.85	101.54
22 42 13 13-0026	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA) .....	817.03	101.54
22 42 13 13-0027	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA) .....	1,110.01	101.54
22 42 13 13-0028	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA) .....	926.42	101.54
22 42 13 13-0029	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN) .....	713.61	101.54
22 42 13 13-0030	EA		2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650) .....	813.47	101.54
22 42 13 13-0031	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA K-3519) .....	949.47	101.54



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Fixtures</b>	<b>22 40</b>	
<b>Commercial Plumbing Fixtures</b>	<b>22 42</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0032	EA		2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436).....	726.67	101.54
22 42 13 13-0033	EA		2 Piece Tank Type, High Efficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™).....	706.03	101.54
22 42 13 13-0034	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn HET Z5667-BWL).....	675.00	101.54
<b>22 42 13 13-0035</b>			<b>Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets</b> <small>(22 42 13 13-0001)</small>		
			Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0036	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™).....	723.10	101.54
22 42 13 13-0037	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™).....	646.43	101.54
22 42 13 13-0038	EA		2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™).....	765.78	101.54
<b>22 42 13 13-0039</b>			<b>Floor Mounted Round Bowl Vitreous China Water Closets</b> <small>(22 42 13 13-0001)</small>		
22 42 13 13-0040	EA		2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113).....	692.95	101.54
22 42 13 13-0041	EA		2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412).....	713.07	101.54
<b>22 42 13 13-0042</b>			<b>Stainless Steel Water Closets</b> <small>(22 42 13 13)</small>		
22 42 13 13-0043	EA		Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS).....	3,735.64	219.70
22 42 13 13-0044	EA		Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS).....	3,939.93	219.70
<b>22 42 13 13-0045</b>			<b>Water Closet Carriers</b> <small>(22 42 13 13)</small>		
<b>22 42 13 13-0046</b>			<b>Pipe Grip Adaptor Type, Water Closet Carriers</b> <small>(22 42 13 13-0045)</small>		
			Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0047	EA		Pipe Grip Adaptor Type, Water Closet Carrier.....	610.95	51.55
<b>22 42 13 13-0048</b>			<b>No-Hub, Water Closet Carriers</b> <small>(22 42 13 13-0045)</small>		
			Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0049	EA		Vertical Close With Offset, No-Hub, Single Water Closet Carrier.....	965.62	51.55
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-87.02	
			For Positioning Frame, Add	54.58	
			For Supply Pipe Support, Add	55.88	
			For Vandal Proof Trim, Add	74.06	
			For Auxiliary Inlet, Add	237.83	
			For Special Duty 500 LB Carrier, Add	413.14	
22 42 13 13-0050	EA		Vertical Close On Stack, No-Hub, Single Water Closet Carrier.....	965.62	51.55
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-87.02	
			For Positioning Frame, Add	54.58	
			For Supply Pipe Support, Add	55.88	
			For Vandal Proof Trim, Add	74.06	
			For Auxiliary Inlet, Add	237.83	
			For Special Duty 500 LB Carrier, Add	413.14	
22 42 13 13-0051	EA		Horizontal Adjustable, No-Hub, Single Water Closet Carrier.....	1,057.86	51.55
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-87.02	
			For Positioning Frame, Add	54.58	
			For Supply Pipe Support, Add	55.88	
			For Vandal Proof Trim, Add	74.06	
			For Auxiliary Inlet, Add	237.83	
			For Horizontal No Hub Cast Long Barrel, Add	248.17	
			For Carrier For Wide Chase Installations, Add	321.00	
			For Special Duty 1,000 LB Carrier, Add	413.15	
22 42 13 13-0052	EA		Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier.....	1,176.09	51.55
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-87.02	
			For Positioning Frame, Add	54.58	
			For Supply Pipe Support, Add	55.88	
			For Vandal Proof Trim, Add	74.06	
			For 4" Branch, Add	189.72	
			For Auxiliary Inlet, Add	237.83	
			For Carrier For Wide Chase Installations, Add	321.00	
			For Double 4" Branches, Add	380.73	
			For Special Duty 1,000 LB Carrier, Add	413.15	
22 42 13 13-0053	EA		Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,614.37	75.67
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-174.06	
			For Positioning Frame, Add	116.49	
			For Supply Pipe Support, Add	119.10	
			For Vandal Proof Trim, Add	148.12	
			For Auxiliary Inlet, Add	252.47	
			For Special Duty 500 LB Carrier, Add	826.27	

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0054	EA		Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,661.15	75.67
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-174.06	
			<i>For Positioning Frame, Add</i>	116.49	
			<i>For Supply Pipe Support, Add</i>	119.10	
			<i>For Vandal Proof Trim, Add</i>	148.12	
			<i>For Auxiliary Inlet, Add</i>	252.47	
			<i>For Special Duty 500 LB Carrier, Add</i>	826.27	
22 42 13 13-0055	EA		Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier.....	2,034.01	75.67
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-174.06	
			<i>For Positioning Frame, Add</i>	116.49	
			<i>For Supply Pipe Support, Add</i>	119.10	
			<i>For Vandal Proof Trim, Add</i>	148.12	
			<i>For 4" Branch, Add</i>	197.05	
			<i>For Auxiliary Inlet, Add</i>	252.47	
			<i>For Double 4" Branches, Add</i>	395.37	
			<i>For Carrier For Wide Chase Installations, Add</i>	685.94	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	826.29	
22 42 13 13-0056	EA		Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier .....	1,911.89	75.67
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-174.06	
			<i>For Positioning Frame, Add</i>	116.49	
			<i>For Supply Pipe Support, Add</i>	119.10	
			<i>For Vandal Proof Trim, Add</i>	148.12	
			<i>For Horizontal No Hub Cast Long Barrel, Add</i>	255.50	
			<i>For Carrier For Wide Chase Installations, Add</i>	685.94	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	826.29	
<b>22 42 13 13-0057</b>			<b>Hub And Spigot, Water Closet Carriers</b> <small>(22 42 13 13-0045)</small>		
			Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0058	EA		Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier.....	965.62	51.55
			<i>For Positioning Frame, Add</i>	54.58	
			<i>For Supply Pipe Support, Add</i>	55.88	
			<i>For Vandal Proof Trim, Add</i>	74.06	
			<i>For Hanger Type Closet Adapter, Add</i>	185.78	
			<i>For Auxiliary Inlet, Add</i>	237.83	
22 42 13 13-0059	EA		Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier.....	965.62	51.55
			<i>For Positioning Frame, Add</i>	54.58	
			<i>For Supply Pipe Support, Add</i>	55.88	
			<i>For Vandal Proof Trim, Add</i>	74.06	
			<i>For Auxiliary Inlet, Add</i>	237.83	
			<i>For Special Duty 500 LB Carrier, Add</i>	413.14	
22 42 13 13-0060	EA		Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier.....	1,220.26	51.55
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-87.02	
			<i>For Positioning Frame, Add</i>	54.58	
			<i>For Supply Pipe Support, Add</i>	55.88	
			<i>For Vandal Proof Trim, Add</i>	74.06	
			<i>For 4" Branch, Add</i>	189.72	
			<i>For Auxiliary Inlet, Add</i>	237.83	
			<i>For Carrier For Wide Chase Installations, Add</i>	321.00	
			<i>For Double 4" Branches, Add</i>	380.73	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	413.15	
22 42 13 13-0061	EA		Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier.....	1,614.37	75.67
			<i>For Positioning Frame, Add</i>	116.49	
			<i>For Supply Pipe Support, Add</i>	119.10	
			<i>For Vandal Proof Trim, Add</i>	148.12	
			<i>For Auxiliary Inlet, Add</i>	252.47	
			<i>For Hanger Type Closet Adapter, Add</i>	371.57	
22 42 13 13-0062	EA		Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier .....	2,078.19	75.67
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-174.06	
			<i>For Positioning Frame, Add</i>	116.49	
			<i>For Supply Pipe Support, Add</i>	119.10	
			<i>For Vandal Proof Trim, Add</i>	148.12	
			<i>For 4" Branch, Add</i>	197.05	
			<i>For Auxiliary Inlet, Add</i>	252.47	
			<i>For Double 4" Branches, Add</i>	395.37	
			<i>For Carrier For Wide Chase Installations, Add</i>	685.94	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	826.29	
<b>22 42 13 13-0063</b>			<b>Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers</b>		
			<small>(22 42 13 13-0045)</small>		
			Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 13-0064	EA		Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier.....	738.26	51.55
			<i>For Positioning Frame, Add</i>	54.58	
			<i>For Supply Pipe Support, Add</i>	55.88	
			<i>For Vandal Proof Trim, Add</i>	74.06	
			<i>For Hanger Type Closet Adapter, Add</i>	185.78	
<b>22 42 13 13-0065</b>			<b>Institutional Water Closet Carriers</b> <small>(22 42 13 13-0045)</small>		
			Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0066 EA Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier .....	2,681.01	75.67
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct .....	-174.06	
For Positioning Frame, Add .....	116.49	
For Supply Pipe Support, Add .....	119.10	
For Vandal Proof Trim, Add .....	148.12	
For Auxiliary Inlet, Add .....	252.47	
<b>22 42 13 13-0067 Removal And Reinstallation Of Fixtures And Trim (22 42 13 13)</b>		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0068 EA Removal And Reinstallation Of Wall Hung Water Closet With Tank .....	446.32	
22 42 13 13-0069 EA Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve .....	446.32	
22 42 13 13-0070 EA Removal And Reinstallation Of Floor Mount Water Closet With Tank .....	343.25	
22 42 13 13-0071 EA Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve .....	343.25	
<b>22 42 13 16 Commercial Urinals (22 42 13)</b>		
<b>22 42 13 16-0001 Vitreous China Urinals (22 42 13 16)</b>		
Note: Excludes flush valve unless indicated otherwise.		
<b>22 42 13 16-0002 Wall Hung Urinals (22 42 13 16-0001)</b>		
22 42 13 16-0003 EA Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™) .....	550.73	104.48
22 42 13 16-0004 EA Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®) .....	676.42	104.48
22 42 13 16-0005 EA Wall Hung, Washout, Vitreous China Urinal With Back Spud (American Standard Washbrook®) .....	702.70	104.48
22 42 13 16-0006 EA Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™) .....	741.31	104.48
22 42 13 16-0007 EA Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™) .....	674.37	104.48
22 42 13 16-0008 EA Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™) .....	568.23	104.48
22 42 13 16-0009 EA Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV) .....	692.83	104.48
22 42 13 16-0010 EA Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV) .....	591.26	104.48
22 42 13 16-0011 EA Wall Hung, Washout, Vitreous China Urinal (Zurn Z5798) .....	640.62	104.48
22 42 13 16-0012 EA 0.125 To 0.5 GPF, HEU, Wall Hung, Washout, Vitreous China Urinal (Sloan SU-1009-A) .....	584.00	104.48
22 42 13 16-0013 EA 1.0 GPF, HEU, Wall Hung, Washout, Vitreous China Urinal (Sloan SU-1006-A) .....	581.85	104.48
<b>22 42 13 16-0014 Floor Mounted Urinals (22 42 13 16-0001)</b>		
22 42 13 16-0015 EA Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™) .....	932.17	131.81
22 42 13 16-0016 EA Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™) .....	1,052.16	131.81
22 42 13 16-0017 EA Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931) .....	306.63	24.42
22 42 13 16-0018 EA Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932) .....	348.60	24.42
<b>22 42 13 16-0019 Waterfree Urinals (22 42 13 16-0001)</b>		
22 42 13 16-0020 EA Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free) .....	621.83	73.24
For >1, Deduct .....	-43.06	
For Colored Fixtures, Add .....	66.90	
22 42 13 16-0021 EA Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000) .....	1,121.86	73.24
For >1, Deduct .....	-100.06	
For Colored Fixtures, Add .....	66.90	
22 42 13 16-0022 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000) .....	965.98	73.24
For >1, Deduct .....	-82.29	
For Colored Fixtures, Add .....	66.90	
22 42 13 16-0023 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000) .....	740.44	73.24
For >1, Deduct .....	-56.58	
For Colored Fixtures, Add .....	66.90	
22 42 13 16-0024 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000) .....	740.44	73.24
For >1, Deduct .....	-56.58	
For Colored Fixtures, Add .....	66.90	
22 42 13 16-0025 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000) .....	917.81	73.24
For >1, Deduct .....	-76.80	
For Colored Fixtures, Add .....	66.90	
22 42 13 16-0026 EA Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000) .....	1,391.65	73.24
For >1, Deduct .....	-130.82	
<b>22 42 13 16-0027 Stainless Steel Urinals (22 42 13 16)</b>		
22 42 13 16-0028 EA Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1) .....	3,850.56	219.70
22 42 13 16-0029 EA 5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C) .....	4,997.35	268.52
<b>22 42 13 16-0030 Urinal Carriers (22 42 13 16)</b>		
<b>22 42 13 16-0031 Floor Mounted, Urinal Carriers (22 42 13 16-0030)</b>		
Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0032 EA Floor Mounted Hanger Plate Type, Single Urinal Carrier .....	538.10	37.11
For Up To 4" Extension Sleeves And Hardware, Add .....	27.28	
22 42 13 16-0033 EA Floor Mounted Bearing Plate Type, Single Urinal Carrier .....	587.47	37.11
For Up To 4" Extension Sleeves And Hardware, Add .....	27.28	
<b>22 42 13 16-0034 Wall Mounted, Urinal Carriers (22 42 13 16-0030)</b>		
Note: Includes wall plate and adjustable supporting rods.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0035	EA		Wall Mounted Hanger Plate Type, Single Urinal Carrier..... <i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i>	230.19 27.28	37.11
<b>22 42 13 16-0036</b>			<b>Removal And Reinstallation Of Fixtures And Trim</b> (22 42 13 16) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0037	EA		Removal And Reinstallation Of Wall Hung Urinal With Flush Valve.....	444.81	
<b>22 42 16</b>			<b>Commercial Lavatories and Sinks</b> (22 42)		
<b>22 42 16 13</b>			<b>Commercial Lavatories</b> (22 42 16)		
<b>22 42 16 13-0001</b>			<b>Lavatories</b> (22 42 16 13) Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
<b>22 42 16 13-0002</b>			<b>Wall Hung Lavatories</b> (22 42 16 13-0001)		
22 42 16 13-0003	EA		19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™) .....	563.21	65.42
22 42 16 13-0004	EA		20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™) .....	590.01	65.42
22 42 16 13-0005	EA		22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™) .....	740.16	65.42
22 42 16 13-0006	EA		18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™).....	514.33	65.42
22 42 16 13-0007	EA		19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™).....	439.44	65.42
22 42 16 13-0008	EA		20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®) .....	562.77	65.42
22 42 16 13-0009	EA		27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users).....	668.06	65.42
22 42 16 13-0010	EA		20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™).....	526.95	65.42
22 42 16 13-0011	EA		20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™).....	461.51	65.42
<b>22 42 16 13-0012</b>			<b>Countertop Lavatories</b> (22 42 16 13-0001)		
22 42 16 13-0013	EA		20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®) .....	511.31	79.09
22 42 16 13-0014	EA		21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval) .....	521.93	79.09
22 42 16 13-0015	EA		19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™).....	551.51	79.09
22 42 16 13-0016	EA		19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™).....	583.03	79.09
22 42 16 13-0017	EA		24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®).....	757.40	85.43
<b>22 42 16 13-0018</b>			<b>Undermount Lavatories</b> (22 42 16 13-0001)		
22 42 16 13-0019	EA		15" x 12" Vitreous China Undermount Lavatory (American Standard Ovalyn™) .....	509.34	79.09
22 42 16 13-0020	EA		17" x 14" Vitreous China Undermount Lavatory (American Standard Ovalyn™) .....	475.79	79.09
22 42 16 13-0021	EA		19" x 16" Vitreous China Undermount Lavatory (American Standard Ovalyn™) .....	475.79	79.09
22 42 16 13-0022	EA		21" x 17" Vitreous China Undermount Lavatory (American Standard Ovalyn™) .....	516.46	79.09
22 42 16 13-0023	EA		15" x 12" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®).....	490.84	79.09
22 42 16 13-0024	EA		17" x 14" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®).....	484.66	79.09
22 42 16 13-0025	EA		19" x 15" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®).....	490.95	79.09
22 42 16 13-0026	EA		18" x 12" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®) .....	629.86	79.09
22 42 16 13-0027	EA		21" x 14" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®) .....	629.86	79.09
<b>22 42 16 13-0028</b>			<b>Pedestal Lavatories</b> (22 42 16 13-0001)		
22 42 16 13-0029	EA		19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™).....	640.41	187.96
<b>22 42 16 13-0030</b>			<b>Cultured Marble Vanity Tops</b> (22 42 16 13-0001) Note: Includes predrilled holes for faucet.		
22 42 16 13-0031	EA		25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	350.13	73.24
22 42 16 13-0032	EA		31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	392.60	78.11
22 42 16 13-0033	EA		37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	468.22	82.99
22 42 16 13-0034	EA		49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	632.10	87.87
22 42 16 13-0035	EA		25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	374.22	73.24
22 42 16 13-0036	EA		31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	399.38	78.11
22 42 16 13-0037	EA		37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	508.31	82.99
22 42 16 13-0038	EA		43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	551.78	85.43
22 42 16 13-0039	EA		49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	615.15	87.87
<b>22 42 16 13-0040</b>			<b>Quartz Vanity Tops</b> (22 42 16 13-0001) Note: Includes predrilled holes for faucet.		
22 42 16 13-0041	EA		25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink.....	695.60	73.24
22 42 16 13-0042	EA		31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink.....	725.13	78.11
22 42 16 13-0043	EA		37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink.....	828.90	82.99
22 42 16 13-0044	EA		43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink.....	835.14	85.43
22 42 16 13-0045	EA		49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink.....	908.31	87.87
22 42 16 13-0046	EA		61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks .....	1,203.92	92.76
22 42 16 13-0047	EA		73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks .....	1,414.91	97.63
22 42 16 13-0048	EA		22" End Splash For Quartz Vanity Tops .....	38.18	
<b>22 42 16 13-0049</b>			<b>Solid Surface Vanity Tops</b> (22 42 16 13-0001) Note: Includes predrilled holes for faucet.		
22 42 16 13-0050	EA		25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	589.14	73.24
22 42 16 13-0051	EA		31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	658.05	78.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0052 EA 37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	736.09	82.99
22 42 16 13-0053 EA 43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	806.96	85.43
22 42 16 13-0054 EA 49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	871.80	87.87
22 42 16 13-0055 EA 55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	957.09	90.32
22 42 16 13-0056 EA 61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	1,061.64	92.76
22 42 16 13-0057 EA 61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks .....	1,087.50	92.76
22 42 16 13-0058 EA 73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks .....	1,171.58	97.63
22 42 16 13-0059 EA 22" End Splash For Solid Surface Vanity Tops .....	56.33	
<b>22 42 16 13-0060 Solid Surface Multi-Station Lavatory Systems (22 42 16 13-0001)</b>		
Note: ADA compliant. Includes integral faucets.		
22 42 16 13-0061 EA 2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2) .....	6,269.19	136.31
For Integral Liquid Soap Dispenser, Add		171.00
For Integral Photovoltaic Power Panels, Add		563.00
22 42 16 13-0062 EA 3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3) .....	9,212.48	136.31
For Integral Photovoltaic Power Panels, Add		657.00
For Integral Liquid Soap Dispenser, Add		171.00
22 42 16 13-0063 EA 12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12) .....	416.04	45.44
22 42 16 13-0064 EA 18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18) .....	518.85	45.44
22 42 16 13-0065 EA 36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36) .....	1,042.47	45.44
<b>22 42 16 13-0066 Stainless Steel Lavatories (22 42 16 13-0001)</b>		
22 42 16 13-0067 EA 18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1) .....	1,924.09	170.88
<b>22 42 16 13-0068 Lavatory Carriers (22 42 16 13)</b>		
<b>22 42 16 13-0069 Floor Mounted, Lavatory Carriers (22 42 16 13-0068)</b>		
<b>22 42 16 13-0070 Floor Mounted Plate Type, Lavatory Carriers (22 42 16 13-0069)</b>		
Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0071 EA Floor Mounted Hanger Plate Type, Single Lavatory Carrier .....	538.10	37.11
For Up To 4" Extension Sleeves And Hardware, Add		27.28
For Valve Plate For Attaching To Upright, Add		94.47
For Corner Carrier, Add		183.75
22 42 16 13-0072 EA Floor Mounted Bearing Plate Type, Single Lavatory Carrier .....	587.47	37.11
For Up To 4" Extension Sleeves And Hardware, Add		27.28
For Valve Plate For Attaching To Upright, Add		94.47
22 42 16 13-0073 EA Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier .....	674.52	37.11
For Up To 4" Extension Sleeves And Hardware, Add		54.56
For Valve Plate For Attaching To Upright, Add		188.93
22 42 16 13-0074 EA Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier .....	774.55	37.11
For Up To 4" Extension Sleeves And Hardware, Add		54.56
For Valve Plate For Attaching To Upright, Add		188.93
<b>22 42 16 13-0075 Floor Mounted, Lavatory Carriers With Arms (22 42 16 13-0069)</b>		
Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 13-0076 EA Floor Mounted, Single Lavatory Carrier With Concealed Arms .....	694.04	43.94
For Up To 6-1/2" Extension Sleeves And Hardware, Add		27.28
For Concealed Arm Carrier For Wheelchair Lavatory, Add		37.68
For Valve Plate For Attaching To Upright, Add		96.42
For 2" Chrome Plated Escutcheons, Add		92.24
For 4" Or 6" Chrome Plated Escutcheons, Add		167.59
22 42 16 13-0077 EA Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms .....	933.08	43.94
For Up To 4-1/2" Extension Sleeves And Hardware, Add		27.28
For Vandal Proof Trim, Add		74.06
For Valve Plate For Attaching To Upright, Add		96.42
For Heavy Duty Carrier, Add		94.84
22 42 16 13-0078 EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms .....	931.78	43.94
For Up To 6-1/2" Extension Sleeves And Hardware, Add		54.56
For Concealed Arm Carrier For Wheelchair Lavatory, Add		75.36
For Valve Plate For Attaching To Upright, Add		192.84
For 2" Chrome Plated Escutcheons, Add		184.48
For 4" Or 6" Chrome Plated Escutcheons, Add		335.19
22 42 16 13-0079 EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms .....	1,389.10	43.94
For Up To 4-1/2" Extension Sleeves And Hardware, Add		54.56
For Vandal Proof Trim, Add		148.12
For Valve Plate For Attaching To Upright, Add		192.84
For Heavy Duty Carrier, Add		189.67
<b>22 42 16 13-0080 Wall Mounted, Lavatory Carriers (22 42 16 13-0068)</b>		
<b>22 42 16 13-0081 Wall Mounted Plate Type, Lavatory Carriers (22 42 16 13-0080)</b>		
Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0082 EA Wall Mounted Hanger Plate Type, Single Lavatory Carrier .....	230.19	37.11
For Double Plate Carrier, Add		71.55



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22 42 16 13-0083	<b>Wall Mounted Plate Type, Lavatory Carriers With Arms</b> (22 42 16 13-0080) Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0084	EA Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms ..... For Up To 4" Extension Sleeves And Hardware, Add For 2" Chrome Plated Escutcheons, Add	391.33 27.28 92.24	43.94
22 42 16 13-0085	EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms ..... For Movable Mounting Brackets, Deduct For Up To 4" Extension Sleeves And Hardware, Add For 2" Chrome Plated Escutcheons, Add For 4" Or 6" Chrome Plated Escutcheons, Add	464.09 -70.16 27.28 92.24 167.59	43.94
22 42 16 13-0086	EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms ..... For Up To 4-1/2" Extension Sleeves And Hardware, Add For Vandal Proof Trim, Add	688.84 27.28 74.06	43.94
22 42 16 13-0087	<b>Removal And Reinstallation Of Lavatory And Trim</b> (22 42 16 13) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0088	EA Removal And Reinstallation Of Wall Hung Lavatory With Faucet.....	287.18	
<b>22 42 16 16</b>	<b>Commercial Sinks</b> (22 42 16)		
22 42 16 16-0001	<b>Sinks</b> (22 42 16 16) Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 16-0002	<b>Kitchen Sinks</b> (22 42 16 16-0001)		
22 42 16 16-0003	EA 25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®).....	686.74	91.78
22 42 16 16-0004	EA 22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®).....	892.33	104.48
22 42 16 16-0005	EA 15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)..... For 18 Gauge, Add	849.26 241.55	89.83
22 42 16 16-0006	EA 17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)..... For 18 Gauge, Add	871.13 252.49	89.83
22 42 16 16-0007	EA 22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)..... For 18 Gauge, Add	920.31 277.08	89.83
22 42 16 16-0008	EA 25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522)..... For 18 Gauge, Add	964.82 293.48	91.78
22 42 16 16-0009	EA 31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122)..... For 18 Gauge, Add	1,217.06 400.96	104.48
22 42 16 16-0010	EA 33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321)..... For 18 Gauge, Add	1,243.43 413.97	104.48
22 42 16 16-0011	EA 15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710).....	1,203.60	89.83
22 42 16 16-0012	EA 17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210).....	1,228.20	89.83
22 42 16 16-0013	EA 22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210).....	1,290.14	89.83
22 42 16 16-0014	EA 25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210).....	1,373.81	91.78
22 42 16 16-0015	EA 31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210).....	1,662.48	104.48
22 42 16 16-0016	EA 33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322).....	1,592.30	104.48
22 42 16 16-0017	<b>Undermount Kitchen Sinks</b> (22 42 16 16-0001)		
22 42 16 16-0018	EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99).....	1,072.36	89.83
22 42 16 16-0019	EA 21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99).....	1,069.70	89.83
22 42 16 16-0020	EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99).....	1,081.47	89.83
22 42 16 16-0021	EA 21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99).....	1,143.41	89.83
22 42 16 16-0022	EA 21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99)..... Note: Available in 4-1/2", 5, or 5-1/2" depths.	1,104.24	89.83
22 42 16 16-0023	EA 25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99).....	1,263.00	89.83
22 42 16 16-0024	EA 32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99).....	1,500.35	89.83
22 42 16 16-0025	EA 21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A).....	874.98	89.83
22 42 16 16-0026	EA 32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A).....	1,141.49	89.83
22 42 16 16-0027	<b>Multi-Station Wash Sink, Wall Mounted</b> (22 42 16 16-0001) Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0028	EA 36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)..... Note: Excludes faucets.	1,871.43	158.67
22 42 16 16-0029	EA 48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)..... Note: Excludes faucets.	2,491.22	170.88
22 42 16 16-0030	EA 60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)..... Note: Excludes faucets.	2,860.08	183.07
22 42 16 16-0031	EA 48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)..... Note: Excludes faucets.	2,218.61	122.06
22 42 16 16-0032	EA 62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)..... Note: Excludes faucets.	2,462.39	134.25





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22 42 16 16-0033 EA 80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) ..... Note: Excludes faucets.	2,701.28	146.46
22 42 16 16-0034 EA 102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) ..... Note: Excludes faucets.	2,996.39	164.77
22 42 16 16-0035 EA 27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain..... Note: Includes sensor operated spray heads.	2,882.15	268.52
<b>22 42 16 16-0036 Utility Or Laundry Sinks (22 42 16 16-0001)</b>		
22 42 16 16-0037 EA 23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1).....	625.08	104.48
22 42 16 16-0038 EA 40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II).....	722.76	104.48
22 42 16 16-0039 EA 22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1).....	623.21	104.48
22 42 16 16-0040 EA 24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210) .....	968.42	104.48
22 42 16 16-0041 EA 48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220) .....	1,383.74	117.17
<b>22 42 16 16-0042 Refinish Sink/Lavatory (22 42 16 16-0001)</b>		
22 42 16 16-0043 EA Refinish Sink/Lavatory .....	227.33	
<b>22 42 16 16-0044 Service Sinks (22 42 16 16-0001)</b>		
22 42 16 16-0045 EA 22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™) .....	1,004.12	157.21
22 42 16 16-0046 EA 24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™) .....	1,057.40	157.21
22 42 16 16-0047 EA 28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™) .....	1,319.70	207.97
22 42 16 16-0048 EA 12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F) .....	546.49	146.46
22 42 16 16-0049 EA 24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424) .....	631.55	146.46
22 42 16 16-0050 EA 36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624) .....	694.92	175.75
22 42 16 16-0051 EA 24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010) .....	577.17	146.46
22 42 16 16-0052 EA 36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010) .....	655.43	175.75
22 42 16 16-0053 EA 24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24).....	905.04	146.46
22 42 16 16-0054 EA 36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624).....	1,117.79	175.75
<b>22 42 16 16-0055 Stainless Steel Sink And Drainboard (22 42 16 16-0001)</b>		
22 42 16 16-0056 EA Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drainboard, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L) .....	3,663.72	244.10
<b>22 42 16 16-0057 Soapstone Sinks (22 42 16 16-0001)</b>		
22 42 16 16-0058 EA 26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink .....	1,052.75	89.83
22 42 16 16-0059 SF Soapstone Sink Backsplash .....	171.61	
22 42 16 16-0060 EA 30" x 18-1/2" x 10" Single Bowl Soapstone Sink.....	1,345.35	104.48
22 42 16 16-0061 EA 36" x 18-1/2" x 10" Double Bowl Soapstone Sink .....	1,579.71	104.48
<b>22 42 16 16-0062 Sink Carriers (22 42 16 16)</b>		
<b>22 42 16 16-0063 Floor Mounted, Sink Carriers (22 42 16 16-0062)</b> Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0064 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling..... For Vandal Proof Trim, Add For Valve Plate For Attaching To Upright, Add	791.44 74.06 94.47	37.11
22 42 16 16-0065 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting..... For Vandal Proof Trim, Add For Auxiliary Vent, Add	1,237.05 74.06 217.91	37.11
22 42 16 16-0066 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms..... For Up To 4" Extension Sleeves And Hardware, Add For Vandal Proof Trim, Add	1,554.07 55.86 74.06	37.11
<b>22 42 16 16-0067 Removal And Reinstallation Of Sink And Trim (22 42 16 16)</b> Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 16-0068 EA Removal And Reinstallation Of Wall Hung Service Sink With Faucet.....	393.72	
<b>22 42 19 Commercial Bathtubs (22 42)</b>		
<b>22 42 19 00-0001 Recessed Alcove Bathtubs (22 42 19)</b>		
<b>22 42 19 00-0002 Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs (22 42 19 00-0001)</b>		
22 42 19 00-0003 EA 54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™) .....	1,460.90	271.44
22 42 19 00-0004 EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®) .....	1,251.10	271.44
22 42 19 00-0005 EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynamic®).....	1,466.17	271.44
22 42 19 00-0006 EA 66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®) .....	1,888.12	271.44

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 42 19 00-0007		<b>Porcelain Enameled Steel, Recessed Alcove Bathtubs</b> (22 42 19 00-0001)		
22 42 19 00-0008	EA	60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®) .....	645.00	271.44
22 42 19 00-0009	EA	60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®) .....	660.02	271.44
22 42 19 00-0010		<b>Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs</b> (22 42 19 00-0001)		
22 42 19 00-0011	EA	60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™) .....	955.79	271.44
22 42 19 00-0012		<b>Acrylic, Recessed Alcove Bathtubs</b> (22 42 19 00-0001)		
22 42 19 00-0013	EA	60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®) .....	984.20	271.44
22 42 19 00-0014	EA	60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®) .....	1,165.84	271.44
22 42 19 00-0015	EA	66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®) .....	1,189.30	271.44
22 42 19 00-0016	EA	72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®) .....	1,174.88	271.44
22 42 19 00-0017	EA	72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®) .....	1,226.75	271.44
22 42 19 00-0018		<b>Bathtub Refinishing</b> (22 42 19 00-0001)		
22 42 19 00-0019	EA	Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel .....	580.51	
22 42 19 00-0020		<b>Tub And Shower Combinations</b> (22 42 19)		
22 42 19 00-0021		<b>Acrylic Tub And Shower Combination</b> (22 42 19 00-0020)		
22 42 19 00-0022	EA	1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032) .....	1,172.33	98.14
		For 2 Piece Enclosure, Deduct .....	-254.16	
22 42 19 00-0023		<b>Fiberglass Tub And Shower Combination</b> (22 42 19 00-0020)		
22 42 19 00-0024	EA	1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG) .....	807.14	98.14
22 42 19 00-0025	EA	2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P) .....	642.83	65.43
22 42 19 00-0026	EA	4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P) .....	1,280.66	148.13
22 42 19 00-0027	EA	3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872) .....	3,254.90	347.66
		For 2 Piece Enclosure, Deduct .....	-677.32	
22 42 23		<b>Commercial Showers</b> (22 42)		
22 42 23 00-0001		<b>Shower Enclosures</b> (22 42 23)		
		Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002		<b>Powder Coated Or Baked Enamel Steel Shower Enclosure</b> (22 42 23 00-0001)		
22 42 23 00-0003	EA	32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions) .....	1,598.61	157.49
22 42 23 00-0004	EA	36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions) .....	1,598.61	157.49
22 42 23 00-0005	EA	40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions) .....	2,420.14	157.49
22 42 23 00-0006	EA	40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions) .....	2,664.03	157.49
22 42 23 00-0007		<b>Solid Plastic Core High Density Polymer (HDP) Shower Enclosure</b> (22 42 23 00-0001)		
22 42 23 00-0008	EA	32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions) .....	2,638.36	157.49
22 42 23 00-0009	EA	36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions) .....	2,638.36	157.49
22 42 23 00-0010	EA	40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions) .....	3,793.63	157.49
22 42 23 00-0011	EA	40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions) .....	4,242.91	157.49
22 42 23 00-0012		<b>Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down</b> (22 42 23 00-0001)		
22 42 23 00-0013	EA	32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS) .....	1,336.85	157.49
22 42 23 00-0014	EA	36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS) .....	1,374.77	157.49
22 42 23 00-0015	EA	34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS) .....	1,412.68	157.49
22 42 23 00-0016	EA	30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL) .....	1,488.52	157.49
22 42 23 00-0017	EA	34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS) .....	1,589.00	157.49
22 42 23 00-0018		<b>1 Piece Shower Units</b> (22 42 23)		
22 42 23 00-0019	EA	1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232) .....	1,136.71	98.14
22 42 23 00-0020	EA	1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636) .....	1,275.94	98.14
22 42 23 00-0021		<b>Personnel Type Shower Receptors</b> (22 42 23)		
22 42 23 00-0022		<b>Acrylic Shower Receptors</b> (22 42 23 00-0021)		
22 42 23 00-0023	EA	36" x 36" Acrylic Shower Receptor .....	434.78	39.76
22 42 23 00-0024	EA	42" x 42" Acrylic Shower Receptor .....	459.99	39.76
22 42 23 00-0025	EA	48" x 48" Acrylic Shower Receptor .....	510.33	39.76
22 42 23 00-0026	EA	60" x 60" Acrylic Shower Receptor .....	620.76	47.71
22 42 23 00-0027	EA	48" x 32" Acrylic Shower Receptor .....	435.97	39.76
22 42 23 00-0028	EA	48" x 36" Acrylic Shower Receptor .....	469.12	39.76
22 42 23 00-0029	EA	48" x 42" Acrylic Shower Receptor .....	530.80	39.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0030 EA 60" x 30" Acrylic Shower Receptor .....	857.12	113.53
22 42 23 00-0031 EA 60" x 32" Acrylic Shower Receptor .....	589.39	47.71
22 42 23 00-0032 EA 60" x 36" Acrylic Shower Receptor .....	593.66	47.71
22 42 23 00-0033 EA 60" x 42" Acrylic Shower Receptor .....	597.57	47.71
22 42 23 00-0034 EA 60" x 48" Acrylic Shower Receptor .....	658.85	47.71
22 42 23 00-0035 EA 36" x 36" Acrylic Corner Shower Receptor .....	636.84	39.76
22 42 23 00-0036 EA 42" x 42" Acrylic Corner Shower Receptor .....	731.98	39.76
22 42 23 00-0037 EA 47-1/2" x 47-1/2" Acrylic Corner Shower Receptor .....	1,184.33	107.85
<b>22 42 23 00-0038 Molded Stone Shower Receptors (22 42 23 00-0021)</b>		
22 42 23 00-0039 EA 32" x 32" Molded Stone Shower Receptor (Fiat 32WL) .....	288.20	39.76
22 42 23 00-0040 EA 34" x 34" Molded Stone Shower Receptor (Fiat 34WL) .....	302.42	39.76
22 42 23 00-0041 EA 36" x 36" Molded Stone Shower Receptor (Fiat 36WL) .....	304.01	39.76
22 42 23 00-0042 EA 42" x 42" Molded Stone Shower Receptor (Fiat 4242WL) .....	374.33	39.76
22 42 23 00-0043 EA 42" x 34" Molded Stone Shower Receptor (Fiat 42WL) .....	331.66	39.76
22 42 23 00-0044 EA 48" x 32" Molded Stone Shower Receptor (Fiat 4832WL) .....	351.42	39.76
22 42 23 00-0045 EA 48" x 34" Molded Stone Shower Receptor (Fiat 48WL) .....	353.79	39.76
22 42 23 00-0046 EA 54" x 34" Molded Stone Shower Receptor (Fiat 54WL) .....	409.54	47.71
22 42 23 00-0047 EA 60" x 34" Molded Stone Shower Receptor (Fiat 60WL) .....	424.55	47.71
22 42 23 00-0048 EA 36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC) .....	335.61	39.76
22 42 23 00-0049 EA 38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC) .....	344.31	39.76
<b>22 42 23 00-0050 Precast Terrazzo Shower Receptors (22 42 23 00-0021)</b>		
22 42 23 00-0051 EA 30" x 30" Precast Terrazzo Shower Receptor .....	545.81	39.76
22 42 23 00-0052 EA 32" x 32" Precast Terrazzo Shower Receptor .....	567.15	39.76
22 42 23 00-0053 EA 34" x 34" Precast Terrazzo Shower Receptor .....	586.90	39.76
22 42 23 00-0054 EA 36" x 36" Precast Terrazzo Shower Receptor .....	589.27	39.76
22 42 23 00-0055 EA 40" x 40" Precast Terrazzo Shower Receptor .....	645.38	39.76
22 42 23 00-0056 EA 42" x 42" Precast Terrazzo Shower Receptor .....	673.82	39.76
22 42 23 00-0057 EA 48" x 48" Precast Terrazzo Shower Receptor .....	948.82	39.76
22 42 23 00-0058 EA 36" x 32" Precast Terrazzo Shower Receptor .....	582.16	39.76
22 42 23 00-0059 EA 42" x 32" Precast Terrazzo Shower Receptor .....	593.49	39.76
22 42 23 00-0060 EA 42" x 34" Precast Terrazzo Shower Receptor .....	613.77	39.76
22 42 23 00-0061 EA 42" x 36" Precast Terrazzo Shower Receptor .....	639.05	39.76
22 42 23 00-0062 EA 32" x 48" Precast Terrazzo Shower Receptor .....	641.42	39.76
22 42 23 00-0063 EA 48" x 34" Precast Terrazzo Shower Receptor .....	673.82	39.76
22 42 23 00-0064 EA 54" x 32" Precast Terrazzo Shower Receptor .....	706.22	39.76
22 42 23 00-0065 EA 60" x 30" Precast Terrazzo Shower Receptor .....	955.28	47.71
22 42 23 00-0066 EA 60" x 32" Precast Terrazzo Shower Receptor .....	1,044.94	47.71
22 42 23 00-0067 EA 60" x 34" Precast Terrazzo Shower Receptor .....	1,049.34	47.71
22 42 23 00-0068 EA 60" x 36" Precast Terrazzo Shower Receptor .....	1,053.71	47.71
22 42 23 00-0069 EA 32" x 32" Precast Terrazzo Corner Shower Receptor .....	592.43	39.76
22 42 23 00-0070 EA 34" x 34" Precast Terrazzo Corner Shower Receptor .....	593.49	39.76
22 42 23 00-0071 EA 36" x 36" Precast Terrazzo Corner Shower Receptor .....	595.59	39.76
22 42 23 00-0072 EA 40" x 40" Precast Terrazzo Corner Shower Receptor .....	714.91	39.76
22 42 23 00-0073 EA 36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor .....	1,303.62	39.76
22 42 23 00-0074 EA 60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor .....	1,451.03	47.71
22 42 23 00-0075 EA 60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor .....	1,512.67	47.71
<b>22 42 23 00-0076 Shower Receptors Accessories (22 42 23 00-0021)</b>		
22 42 23 00-0077 SF Polyvinyl Chloride (PVC) Shower Pan Liner .....	3.59	
<b>22 42 23 00-0078 Removal And Reinstallation Of Fixtures And Trim (22 42 23)</b>		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 23 00-0079 EA Removal And Reinstallation Of Shower Head .....		47.71
<b>22 42 33 Wash Fountains (22 42)</b>		
<b>22 42 33 00-0001 Circular Wash Fountain, Deep Bowl (22 42 33)</b>		
Note: Includes trim and trap. 2" IPS waste outlets foot/control/hand control operated.		
22 42 33 00-0002 EA 36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD) .....	8,289.04	159.03
For Metal Soap Dispenser, Add		100.00
For Stainless Steel Pedestal Panels, Add		100.00
22 42 33 00-0003 EA 36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD) .....	4,906.72	159.03
For Metal Soap Dispenser, Add		100.00
For Stainless Steel Pedestal Panels, Add		100.00
22 42 33 00-0004 EA 36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE) .....	8,536.16	159.03
For Metal Soap Dispenser, Add		100.00
For Stainless Steel Pedestal Panels, Add		100.00
22 42 33 00-0005 EA 54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD) .....	10,567.25	181.75
For Metal Soap Dispenser, Add		100.00
For Stainless Steel Pedestal Panels, Add		100.00

**22 Plumbing**  
**22 40 Plumbing Fixtures**  
**22 42 Commercial Plumbing Fixtures**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0006	EA		54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD).....	5,661.95	181.75
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0007	EA		54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE).....	10,230.23	181.75
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
<b>22 42 33 00-0008</b>			<b>Semi-Circular Wash Fountain, Deep Bowl</b> <small>(22 42 33)</small>		
			Note: Includes trim and trap, 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0009	EA		36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD).....	7,232.43	136.31
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0010	EA		36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD).....	4,482.07	136.31
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0011	EA		36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE).....	6,468.42	136.31
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0012	EA		54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD).....	8,875.61	159.03
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0013	EA		54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD).....	5,409.66	159.03
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0014	EA		54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE).....	7,695.48	159.03
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
<b>22 42 39</b>			<b>Commercial Faucets, Supplies, and Trim</b> <small>(22 42)</small>		
<b>22 42 39 00-0001</b>			<b>Kitchen Faucets</b> <small>(22 42 39)</small>		
22 42 39 00-0002	EA		Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST).....	189.21	48.82
22 42 39 00-0003	EA		Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST).....	213.45	48.82
22 42 39 00-0004	EA		Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST).....	194.89	48.82
22 42 39 00-0005	EA		Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440-SS-DST).....	220.40	48.82
22 42 39 00-0006	EA		Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24).....	176.40	48.82
22 42 39 00-0007	EA		Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24).....	193.47	48.82
22 42 39 00-0008	EA		Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF).....	251.03	48.82
22 42 39 00-0009	EA		Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF).....	178.80	48.82
22 42 39 00-0010	EA		Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF).....	172.34	48.82
22 42 39 00-0011	EA		Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF).....	203.94	48.82
22 42 39 00-0012	EA		Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	350.33	48.82
22 42 39 00-0013	EA		Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24).....	384.27	48.82
22 42 39 00-0014	EA		Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP).....	362.08	53.02
22 42 39 00-0015	EA		Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP).....	360.42	53.02
22 42 39 00-0016	EA		Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP).....	269.10	53.02
22 42 39 00-0017	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR).....	621.20	48.82
22 42 39 00-0018	EA		Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	785.89	48.82
22 42 39 00-0019	EA		Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB).....	840.79	48.82
22 42 39 00-0020	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR).....	621.20	48.82
22 42 39 00-0021	EA		Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK).....	785.89	48.82
22 42 39 00-0022	EA		Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB).....	840.79	48.82
<b>22 42 39 00-0023</b>			<b>Lavatory Faucets</b> <small>(22 42 39)</small>		
22 42 39 00-0024	EA		Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST).....	229.58	35.15
22 42 39 00-0025	EA		4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF).....	159.47	35.15
22 42 39 00-0026	EA		4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU).....	197.82	35.15
22 42 39 00-0027	EA		4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM).....	216.95	35.15
22 42 39 00-0028	EA		Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU).....	266.35	35.15
22 42 39 00-0029	EA		Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF).....	310.23	35.15
22 42 39 00-0030	EA		Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104).....	189.57	35.15
22 42 39 00-0031	EA		Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002).....	288.33	35.15
22 42 39 00-0032	EA		Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665).....	207.92	35.15
22 42 39 00-0033	EA		3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710).....	212.73	35.15
22 42 39 00-0034	EA		3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712).....	256.79	35.15
22 42 39 00-0035	EA		4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805).....	251.58	35.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0036 EA 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104) .....	205.62	35.15
<b>22 42 39 00-0037 Bath And Shower Faucets (22 42 39)</b>		
<b>22 42 39 00-0038 Bath And Shower Faucets With Valve Body (22 42 39 00-0037)</b>		
22 42 39 00-0039 EA Single Lever Handle Chrome Tub Filler, Pressure-Balance (American Standard T480 500) .....	212.82	42.38
22 42 39 00-0040 EA Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501) .....	248.99	42.38
22 42 39 00-0041 EA Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502) .....	272.18	42.38
22 42 39 00-0042 EA Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505) .....	197.05	42.38
<i>For Faucet With Metal Cross Handles, Add</i>	<i>45.75</i>	
22 42 39 00-0043 EA Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501) .....	206.32	42.38
<i>For Faucet With Metal Cross Handles, Add</i>	<i>45.75</i>	
22 42 39 00-0044 EA Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502) .....	233.22	42.38
<i>For Faucet With Metal Cross Handles, Add</i>	<i>45.75</i>	
22 42 39 00-0045 EA Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502) .....	263.83	42.38
<i>For Faucet With Metal Cross Handles, Add</i>	<i>45.75</i>	
<b>22 42 39 00-0046 Shower Valves And Trim (22 42 39)</b>		
See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
22 42 39 00-0047 EA Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319) .....	345.86	65.91
22 42 39 00-0048 EA Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP) .....	770.43	65.91
22 42 39 00-0049 EA Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP) .....	536.54	65.91
22 42 39 00-0050 EA Senior Institutional Shower Head (Symmons® 4-150) .....	207.02	42.38
22 42 39 00-0051 EA Universal Institutional Shower Head (Symmons® 4-151) .....	345.14	42.38
22 42 39 00-0052 EA Fre-Flo Institutional Shower Head (Symmons® 4-295) .....	243.38	42.38
22 42 39 00-0053 EA Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385) .....	183.83	42.38
22 42 39 00-0054 EA Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X) .....	770.55	63.47
22 42 39 00-0055 EA Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X) .....	633.20	73.24
22 42 39 00-0056 EA Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X) .....	834.77	73.24
22 42 39 00-0057 EA Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X) .....	1,174.19	78.11
22 42 39 00-0058 EA Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S) .....	1,066.91	65.91
<i>For Hand Spray, Hose And Wall Hooks, Add</i>	<i>106.44</i>	
<i>For Recessed Soap Dish, Add</i>	<i>108.12</i>	
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	<i>165.51</i>	
<i>For Pressure Balance And Metering Combination, Add</i>	<i>291.63</i>	
22 42 39 00-0059 EA Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807) .....	1,268.20	65.91
<i>For Hand Spray, Hose And Wall Hooks, Add</i>	<i>106.44</i>	
<i>For Recessed Soap Dish, Add</i>	<i>108.12</i>	
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	<i>165.51</i>	
<i>For Pressure Balance And Metering Combination, Add</i>	<i>291.63</i>	
22 42 39 00-0060 EA Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S) .....	863.99	65.91
<i>For Hand Spray, Hose And Wall Hooks, Add</i>	<i>19.32</i>	
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	<i>78.39</i>	
<i>For Pressure Balance And Metering Combination, Add</i>	<i>291.63</i>	
22 42 39 00-0061 EA Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS) .....	1,303.59	65.91
<i>For Pressure Balance And Metering Combination, Add</i>	<i>291.63</i>	
22 42 39 00-0062 EA Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS) .....	1,398.34	65.91
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	<i>59.07</i>	
<i>For Pressure Balance And Metering Combination, Add</i>	<i>291.63</i>	
22 42 39 00-0063 EA Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931) .....	2,578.59	65.91
<i>For Recessed Soap Dish, Add</i>	<i>83.94</i>	
<i>For Pressure Balance And Metering Combination, Add</i>	<i>227.79</i>	
22 42 39 00-0064 EA Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921) .....	2,252.67	65.91
<i>For Recessed Soap Dish, Add</i>	<i>83.94</i>	
<i>For Pressure Balance And Metering Combination, Add</i>	<i>291.63</i>	
22 42 39 00-0065 EA Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231) .....	1,131.46	65.91
22 42 39 00-0066 EA Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS) .....	1,736.09	65.91
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	<i>59.07</i>	
<i>For Pressure Balance And Metering Combination, Add</i>	<i>291.63</i>	
22 42 39 00-0067 EA Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60) .....	1,129.94	65.91

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0068	EA		Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS).....	1,126.60	65.91
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i> .....	59.07	
22 42 39 00-0069	EA		Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4).....	831.33	58.59
22 42 39 00-0070	EA		Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500).....	642.35	42.38
<b>22 42 39 00-0071</b>			<b>Service Sink Faucets</b> (22 42 39)		
22 42 39 00-0072	EA		4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™).....	458.23	81.29
22 42 39 00-0073	EA		3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235).....	328.92	81.29
22 42 39 00-0074	EA		3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243).....	353.96	81.29
22 42 39 00-0075	EA		6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012).....	366.95	81.29
22 42 39 00-0076	EA		7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101).....	479.77	113.95
22 42 39 00-0077	EA		7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110).....	537.57	129.86
22 42 39 00-0078	EA		11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115).....	619.20	129.86
22 42 39 00-0079	EA		Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRFC).....	364.21	81.29
22 42 39 00-0080	EA		44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB).....	742.39	129.86
22 42 39 00-0081	EA		Wall Mount Service Sink Faucet, Stainless Steel With 10" Swing Spout, Lever Handles (Fisher 46302).....	595.97	81.29
22 42 39 00-0082	EA		Deck Mount Service Sink Faucet, Stainless Steel With 8" Swing Spout, Lever Handles (Fisher 57649).....	406.41	81.29
<b>22 42 39 00-0083</b>			<b>Laboratory Faucets And Fittings</b> (22 42 39)		
22 42 39 00-0084	EA		Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927).....	186.07	34.57
22 42 39 00-0085	EA		Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929).....	304.14	48.82
22 42 39 00-0086	EA		Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930).....	393.40	48.82
22 42 39 00-0087	EA		Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933).....	242.76	45.59
22 42 39 00-0088	EA		6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940).....	330.05	65.03
22 42 39 00-0089	EA		6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP).....	446.44	65.03
22 42 39 00-0090	EA		Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946).....	356.97	48.82
22 42 39 00-0091	EA		Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942).....	351.20	65.03
22 42 39 00-0092	EA		Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP).....	229.75	37.53
22 42 39 00-0093	EA		Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP).....	323.69	53.02
22 42 39 00-0094	EA		4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802).....	249.93	53.02
22 42 39 00-0095	EA		4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317CP).....	304.67	53.02
22 42 39 00-0096	EA		Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP).....	80.36	32.61
22 42 39 00-0097	EA		Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP).....	493.85	58.59
22 42 39 00-0098	EA		Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP).....	634.47	58.59
22 42 39 00-0099	EA		Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP).....	762.57	58.59
22 42 39 00-0100	EA		Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP).....	674.60	58.59
22 42 39 00-0101	EA		Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM).....	802.87	58.59
22 42 39 00-0102	EA		Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA).....	146.15	32.22
22 42 39 00-0103	EA		90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA).....	205.56	38.67
22 42 39 00-0104	EA		180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA).....	205.56	38.67
22 42 39 00-0105	EA		Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA).....	264.96	45.11
22 42 39 00-0106	EA		Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA).....	324.36	51.55
<b>22 42 39 00-0107</b>			<b>Laboratory Countertop Faucets</b> (22 42 39)		
			Note: Includes final connection. Excludes rough-in.		
22 42 39 00-0108	EA		6" Gooseneck Deck Mount Single Valve Faucet (Fisher Hamilton 32L391).....	202.47	26.51
22 42 39 00-0109	EA		6" Gooseneck Deck Mount Hot And Cold Valve Faucet (Fisher Hamilton 32L406).....	276.29	26.51
22 42 39 00-0110	EA		Deionized Water 6" Gooseneck Deck Mount Single Valve Faucet (Fisher Hamilton 32L512).....	279.24	26.51
22 42 39 00-0111	EA		Turret Deck Mount Air Or Gas Valve (Fisher Hamilton 30L535).....	92.26	15.90
<b>22 42 39 00-0112</b>			<b>Gooseneck Faucets With Independent Eyewash</b> (22 42 39)		
22 42 39 00-0113	EA		Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA).....	810.25	36.61
22 42 39 00-0114	EA		Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL).....	878.88	34.17
22 42 39 00-0115	EA		8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-B).....	1,135.26	36.61
22 42 39 00-0116	EA		Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST).....	1,199.23	36.61
22 42 39 00-0117	EA		Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW).....	1,458.64	24.42
22 42 39 00-0118	EA		Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP).....	1,755.22	61.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0119 EA Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW) .....	2,453.15	61.03
22 42 39 00-0120 EA 8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW).....	2,534.57	61.03
22 42 39 00-0121 EA Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101) .....	282.19	37.11
22 42 39 00-0122 EA Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200).....	310.86	37.11
22 42 39 00-0123 EA Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201).....	335.89	37.11
22 42 39 00-0124 EA 6 Gallon Capacity, Tempering Valve (WaterSaver AP3600) .....	1,491.85	24.42
<b>22 42 39 00-0125 Bubblers And Glass Fillers (22 42 39)</b>		
22 42 39 00-0126 EA Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP).....	327.07	34.57
22 42 39 00-0127 EA Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP).....	292.14	45.59
22 42 39 00-0128 EA 7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP) .....	322.63	34.57
22 42 39 00-0129 EA Wall Mount Glass Filler With Metering Valve And Push Button Handle (Chicago 324-665PSHCP) .....	405.75	42.38
22 42 39 00-0130 EA Stainless Steel Deck Mount Bubbler (Just JCB-4SS) .....	504.28	42.38
22 42 39 00-0131 EA Vandal Resistant Stainless Steel Deck Mount Bubbler (Just JSB-10-VR).....	523.36	42.38
22 42 39 00-0132 EA Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP).....	200.57	49.51
22 42 39 00-0133 EA Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF).....	382.71	37.53
22 42 39 00-0134 EA Push Button Bubbler, 1/2" OD (Haws 5017LF).....	387.81	37.53
22 42 39 00-0135 EA Push Button Bubbler, 3/8" NPT (Haws 5010-6427).....	323.34	37.53
<b>22 42 39 00-0136 Automatic Electronic Sensor Faucets (22 42 39)</b>		
22 42 39 00-0137 EA Electronic Lavatory Faucet (American Standard 6055.205.002).....	598.85	81.43
For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0138 EA Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002) .....	604.42	81.43
For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0139 EA Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1).....	809.33	88.42
22 42 39 00-0140 EA Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1) .....	843.03	81.43
22 42 39 00-0141 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880).....	1,250.07	88.42
22 42 39 00-0142 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT) .....	1,563.70	88.42
22 42 39 00-0143 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187).....	1,460.85	88.42
22 42 39 00-0144 EA Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM).....	1,020.81	81.43
22 42 39 00-0145 EA Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100).....	960.72	81.43
22 42 39 00-0146 EA Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101).....	1,015.41	81.43
22 42 39 00-0147 EA Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102) .....	878.67	81.43
22 42 39 00-0148 EA Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100).....	1,015.41	81.43
22 42 39 00-0149 EA Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102) .....	886.29	81.43
22 42 39 00-0150 EA Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100).....	886.29	81.43
22 42 39 00-0151 EA Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101).....	998.74	81.43
22 42 39 00-0152 EA Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102) .....	846.01	81.43
22 42 39 00-0153 EA 4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103).....	811.50	81.43
22 42 39 00-0154 EA Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60).....	1,221.28	81.43
<b>22 42 39 00-0155 Singles (22 42 39)</b>		
22 42 39 00-0156 EA Stainless Steel Single Deck Faucet With 6" Swivel/Rigid Gooseneck Spout And Lever Handles (Fisher 58130) .....	231.27	35.84
<b>22 42 39 00-0157 Other Trim (22 42 39)</b>		
22 42 39 00-0158 EA Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330) .....	17.50	5.30
22 42 39 00-0159 EA 1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP).....	125.89	15.90
22 42 39 00-0160 EA 1-1/4" Grid Strainer Tailpiece (Chicago Faucet 327-XCP).....	47.15	13.25
22 42 39 00-0161 EA 1-1/2" Grid Strainer Tailpiece (Chicago Faucet 327-X1-1/2TPCP).....	104.52	13.25
22 42 39 00-0162 EA 1/2" NPT x 3/8" Compression Chrome Angle Stop (Chicago Faucet 1005-ABCP).....	108.22	10.25
22 42 39 00-0163 EA 3/8" NPT x 3/8" Compression Chrome Angle Stop (Chicago Faucet 1004-ABCP).....	94.55	10.25
22 42 39 00-0164 EA 1/2" NPT x 3/8" Compression Chrome Angle Stop (Chicago Faucet 1015-ABCP).....	102.72	10.25
22 42 39 00-0165 EA 1/2" NPT x 1/2" NPT Chrome Straight Stop (Chicago Faucet 45-ABCP).....	103.78	10.25
22 42 39 00-0166 EA 3/4" NPT x 3/4" NPT Chrome Straight Stop (Chicago Faucet 375-ABCP).....	127.90	10.25
22 42 39 00-0167 EA 1/2" NPT x 1/2" NPT Chrome Straight Stop (Chicago Faucet 699-ABCP).....	170.29	10.25
22 42 39 00-0168 EA Stainless Steel Hand Sink With Foot Pedals, 10" Deep.....	1,940.57	244.10
22 42 39 00-0169 EA Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102).....	61.42	14.65
22 42 39 00-0170 EA Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus).....	64.29	14.65
22 42 39 00-0171 EA Lavatory Protective Enclosure (IPS Truebro Lav Shield).....	161.96	14.65
22 42 39 00-0172 EA 36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	198.88	14.65
22 42 39 00-0173 EA 42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	225.70	14.65
22 42 39 00-0174 EA 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036).....	34.81	10.25
22 42 39 00-0175 EA 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037).....	34.81	10.25
22 42 39 00-0176 EA 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558).....	47.86	10.25
22 42 39 00-0177 PR Pair of 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line .....	33.12	11.26
22 42 39 00-0178 EA 12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	20.58	6.63
22 42 39 00-0179 EA 12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	21.17	6.63
<b>22 42 39 00-0180 Removal And Reinstallation Of Fixtures And Trim (22 42 39)</b>		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0181 EA Removal And Reinstallation Of Faucet.....	84.81	

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**22 42 43 Flushometers (22 42)****22 42 43 00-0001 Water Closet Flush Valves (22 42 43)**

22 42 43 00-0002	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL).....	297.96	33.30
22 42 43 00-0003	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6).....	288.32	33.30
22 42 43 00-0004	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111).....	336.69	33.30
22 42 43 00-0005	EA	Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140).....	465.10	33.30
22 42 43 00-0006	EA	Top Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-142).....	519.47	33.30
22 42 43 00-0007	EA	Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S).....	965.79	33.30
22 42 43 00-0008	EA	Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S).....	962.48	33.30
22 42 43 00-0009	EA	Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S).....	1,017.32	33.30
22 42 43 00-0010	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113).....	943.70	33.30
22 42 43 00-0011	EA	Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115).....	409.64	33.30
		Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.		
22 42 43 00-0012	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110).....	690.14	33.30
22 42 43 00-0013	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A).....	407.57	33.30
22 42 43 00-0014	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 4018X).....	405.58	33.30
22 42 43 00-0015	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A).....	413.88	29.29
22 42 43 00-0016	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X).....	450.83	29.29
22 42 43 00-0017	EA	1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN).....	979.96	33.30
22 42 43 00-0018	EA	Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32).....	1,075.52	33.30
22 42 43 00-0019	EA	1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31).....	1,368.65	33.30
22 42 43 00-0020	EA	1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32).....	1,368.65	33.30
22 42 43 00-0021	EA	Exposed Manual Water Closet Flush Valve (Zurn Z6000AV).....	237.94	33.30
22 42 43 00-0022	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS).....	884.63	33.30
22 42 43 00-0023	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV).....	877.10	33.30
22 42 43 00-0024	EA	Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A).....	434.62	29.29
22 42 43 00-0025	EA	6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451).....	133.38	5.22
22 42 43 00-0026	EA	Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28).....	543.45	33.30
22 42 43 00-0027	EA	Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET).....	321.47	33.30
22 42 43 00-0028	EA	Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET).....	896.89	33.30

**22 42 43 00-0029 Urinal Flush Valves (22 42 43)**

22 42 43 00-0030	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL).....	235.02	33.30
		Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0031	EA	1-1/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180).....	253.40	33.30
		Note: 1.0, 1.5 or 3.5 GPF.		
22 42 43 00-0032	EA	Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195).....	341.23	33.30
		Note: 1.0 or 1.5 GPF.		
22 42 43 00-0033	EA	Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197).....	413.58	33.30
		Note: 1.0 or 1.5 GPF.		
22 42 43 00-0034	EA	Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S).....	652.09	33.30
		Note: 1.0 or 1.5 GPF.		
22 42 43 00-0035	EA	Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S).....	877.23	33.30
		Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0036	EA	Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S).....	984.46	33.30
		Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0037	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1).....	641.32	33.30
		Note: 1.0 GPF.		
22 42 43 00-0038	EA	Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12).....	1,069.36	33.30
		Note: 0.5 GPF.		
22 42 43 00-0039	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV).....	281.57	33.30
		Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0040	EA	Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13).....	494.63	33.30
		Note: 0.13 GPF.		
22 42 43 00-0041	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV-ULF).....	269.52	33.30
		Note: 0.125 GPF.		
22 42 43 00-0042	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Zurn ZTR6203-ULF).....	691.86	33.30
		Note: 0.125 GPF.		
22 42 43 00-0043	EA	Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS).....	696.74	33.30
		Note: 0.125 GPF.		

**22 42 43 00-0044 Removal And Reinstallation Of Fixtures And Trim (22 42 43)**

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 43 00-0045	EA	Removal And Reinstallation Of Flush Valve.....	132.53	
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**22 42 43 00-0046 Plumbing Control Transformers (22 42 43)**

22 42 43 00-0047	EA	6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6).....	61.17	
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**22 42 46 Chemical Toilets (22 42)**

Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.

**22 42 46 00-0001 Standard Chemical Toilets (22 42 46)****22 42 46 00-0002 Small Tank Chemical Toilets (22 42 46 00-0001)**





<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Fixtures</b>	<b>22 40</b>	
<b>Commercial Plumbing Fixtures</b>	<b>22 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 46 00-0003 EA Chemical Toilet, Small Tank 7,000 Uses/Year..... <i>For Extra Urinal, Add</i>	4,066.93 133.30	976.40
<b>22 42 46 00-0004 Medium Tank Chemical Toilets (22 42 46 00-0001)</b>		
22 42 46 00-0005 EA Chemical Toilet, Medium Tank 13,000 Uses/Year..... <i>For Extra Urinal, Add</i>	4,832.37 157.77	1,162.91
<b>22 42 46 00-0006 Large Tank Chemical Toilets (22 42 46 00-0001)</b>		
22 42 46 00-0007 EA Chemical Toilet, Large Tank 28,000 Uses/Year ..... <i>For Extra Urinal, Add</i>	5,852.85 216.23	1,319.12
<b>22 43 Healthcare Plumbing Fixtures (22 40)</b>		
<b>22 43 13 Healthcare Water Closets (22 43)</b>		
<b>22 43 13 00-0001 Healthcare Water Closets (22 43 13)</b>		
22 43 13 00-0002 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA) .....	833.09	101.54
22 43 13 00-0003 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA).....	654.09	101.54
<b>22 43 16 Healthcare Sinks (22 43)</b>		
<b>22 43 16 00-0001 Healthcare Sinks (22 43 16)</b>		
Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.		
22 43 16 00-0002 EA 25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard) .....	1,198.40	65.42
<i>For Stainless Steel Rim Guards (Three Sides), Add</i>	108.61	
22 43 16 00-0003 EA 29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard).....	1,283.85	187.96
<i>For Stainless Steel Rim Guards (Three Sides), Add</i>	108.61	
<i>For Pedestal Base, Add</i>	497.95	
22 43 16 00-0004 EA 28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard).....	1,150.58	65.42
<i>For Painted Bracket Supports, Add</i>	173.58	
22 43 16 00-0005 EA 20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard).....	1,007.14	65.42
<b>22 43 39 Healthcare Faucets (22 43)</b>		
<b>22 43 39 00-0001 Medical Faucet Spouts (22 43 39)</b>		
22 43 39 00-0002 EA Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522).....	98.54	14.65
<b>22 43 39 00-0003 Electronic Proximity Medical Faucets (22 43 39)</b>		
22 43 39 00-0004 EA DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU).....	566.71	71.67
<i>For Hard Wired AC Powered, Add</i>	24.73	
<b>22 43 39 00-0005 Foot And Knee Faucet Controls (22 43 39)</b>		
22 43 39 00-0006 EA Single Supply Metering Pedal Valve (Chicago Faucet 628) .....	377.68	130.25
22 43 39 00-0007 EA Double Supply Metering Pedal Valve (Chicago Faucet 625) .....	441.68	130.25
22 43 39 00-0008 EA Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP) .....	935.04	130.25
22 43 39 00-0009 EA Double Knee Actuated Metering Mixing Valve (American Standard 7676).....	653.87	130.25
<b>22 43 39 00-0010 Centerset Medical Faucets (22 43 39)</b>		
22 43 39 00-0011 EA Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04) .....	510.35	71.67
22 43 39 00-0012 EA Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04) .....	516.15	71.67
22 43 39 00-0013 EA Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04) .....	515.56	71.67
22 43 39 00-0014 EA Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04).....	460.49	71.67
22 43 39 00-0015 EA Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04).....	440.78	71.67
<b>22 43 39 00-0016 Bedpan Washers (22 43 39)</b>		
22 43 39 00-0017 EA Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675).....	1,210.74	130.25
22 43 39 00-0018 EA Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676) .....	1,150.04	130.25
22 43 39 00-0019 EA Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685).....	1,132.06	130.25
22 43 39 00-0020 EA Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686) .....	1,114.57	130.25
<b>22 43 43 Healthcare Plumbing Fixture Flushometers (22 43)</b>		

<b>22</b>	<b>Plumbing</b>
<b>22 40</b>	<b>Plumbing Fixtures</b>
<b>22 43</b>	<b>Healthcare Plumbing Fixtures</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 43 00-0001			<b>Healthcare Plumbing Fixture Flushometers (22 43 43)</b>		
22 43 43 00-0002	EA		Exposed Manual Service Sink Flush Valve (Sloan Royal-117).....	224.18	33.30
22 43 43 00-0003	EA		Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW).....	503.20	33.30
<b>22 43 46</b>			<b>Healthcare Patient Care Units (22 43)</b>		
22 43 46 00-0001			<b>Patient Care Units (22 43 46)</b>		
22 43 46 00-0002	EA		47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV) .....	18,306.79	195.28
			For SDB Single Temperature Dialysis Box, Add	1,342.68	
			For DDB Dual Temperature Dialysis Box, Add	1,426.07	
			For BWSEV Bedpan Washer With Elevated Valve, Add	1,030.10	
			For LOCK Flush Valve Lockout Device, Add	756.82	
22 43 46 00-0003	EA		31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB) .....	14,418.80	170.88
			For SDB Single Temperature Dialysis Box, Add	1,342.68	
			For DDB Dual Temperature Dialysis Box, Add	1,426.07	
			For BWSEV Bedpan Washer With Elevated Valve, Add	1,030.10	
			For LOCK Flush Valve Lockout Device, Add	756.82	
22 43 46 00-0004			<b>Patient Care Plumbing Accessories (22 43 46)</b>		
22 43 46 00-0005	EA		One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920).....	1,746.83	26.51
22 43 46 00-0006	EA		Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919).....	1,924.88	26.51
22 45			<b>Emergency Plumbing Fixtures (22 40)</b>		
<b>22 45 13</b>			<b>Emergency Showers (22 45)</b>		
22 45 13 00-0001			<b>Emergency Drench Showers (22 45 13)</b>		
22 45 13 00-0002			<b>Emergency Drench Showers (Haws) (22 45 13 00-0001)</b>		
			Note: Includes one pull rod.		
22 45 13 00-0003	EA		Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122) .....	653.70	170.88
22 45 13 00-0004	EA		Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123) .....	750.52	170.88
22 45 13 00-0005	EA		Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC).....	804.30	170.88
22 45 13 00-0006	EA		Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130) .....	965.66	170.88
22 45 13 00-0007	EA		Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H) .....	1,299.14	170.88
22 45 13 00-0008	EA		Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100) .....	1,025.24	195.28
22 45 13 00-0009	EA		Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP) .....	1,122.47	219.70
22 45 13 00-0010	EA		Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169).....	1,020.27	219.70
22 45 13 00-0011	EA		Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163) .....	1,041.79	219.70
22 45 13 00-0012	EA		Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164) .....	1,445.18	219.70
22 45 13 00-0013			<b>Emergency Drench Showers (Speakman) (22 45 13 00-0001)</b>		
			Note: Includes one pull rod.		
22 45 13 00-0014	EA		Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220) .....	566.01	170.88
22 45 13 00-0015	EA		Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227) .....	582.76	170.88
22 45 13 00-0016	EA		Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253).....	912.61	195.28
22 45 13 00-0017			<b>Emergency Drench Showers (WaterSaver) (22 45 13 00-0001)</b>		
			Note: Includes one pull rod.		
22 45 13 00-0018	EA		Emergency Shower, Vertically Mounted (WaterSaver ES635) .....	759.72	170.88
22 45 13 00-0019	EA		Emergency Shower, Horizontally Mounted (WaterSaver ES643) .....	778.00	170.88
22 45 13 00-0020	EA		All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691) .....	1,673.14	170.88
22 45 13 00-0021	EA		Emergency Shower, Recess Mounted (WaterSaver ES629) .....	1,207.92	219.70
22 45 13 00-0022	EA		Emergency Shower, Semi-Concealed (WaterSaver ES658) .....	1,621.49	219.70
<b>22 45 16</b>			<b>Eyewash Equipment (22 45)</b>		
22 45 16 00-0001			<b>Emergency Eyewash Equipment (22 45 16)</b>		
22 45 16 00-0002			<b>Emergency Eyewash Equipment (Haws) (22 45 16 00-0001)</b>		
22 45 16 00-0003	EA		Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620).....	289.46	4.88
22 45 16 00-0004	EA		Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP).....	1,359.12	219.70
22 45 16 00-0005			<b>Emergency Eyewash Equipment (WaterSaver) (22 45 16 00-0001)</b>		
22 45 16 00-0006	EA		Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805) .....	756.28	48.82



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Fixtures</b>	<b>22 40</b>	
<b>Emergency Plumbing Fixtures</b>	<b>22 45</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 16 00-0007 EA Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH).....	756.28	48.82
22 45 16 00-0008 EA Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806).....	770.13	48.82
22 45 16 00-0009 EA Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH).....	770.13	48.82
22 45 16 00-0010 EA Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822).....	1,024.38	48.82
22 45 16 00-0011 EA Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848).....	1,167.61	48.82
22 45 16 00-0012 EA Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849).....	1,167.61	48.82
22 45 16 00-0013 EA Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893).....	2,166.59	48.82
22 45 16 00-0014 EA Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH).....	2,166.59	48.82
22 45 16 00-0015 EA Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895).....	2,267.37	48.82
22 45 16 00-0016 EA Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH).....	2,267.37	48.82
22 45 16 00-0017 EA Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898).....	2,797.73	48.82
22 45 16 00-0018 EA Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899).....	2,797.73	48.82
22 45 16 00-0019 EA Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808).....	1,386.80	170.88
22 45 16 00-0020 EA Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810).....	1,367.25	170.88
22 45 16 00-0021 EA Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814).....	981.95	170.88
22 45 16 00-0022 EA Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC).....	1,388.28	170.88
22 45 16 00-0023 EA Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P).....	836.88	170.88
<b>22 45 23 Personal Eyewash Equipment (22 45)</b>		
22 45 23 00-0001 Portable Eyewash Equipment (22 45 23)		
22 45 23 00-0002 Portable Eyewash Equipment (Bradley) (22 45 23 00-0001)		
22 45 23 00-0003 EA Portable (Wall Mounted) Heated Gravity-Fed Emergency Eye/Face Wash (Bradley S19-921H).....	1,717.76	14.65
<b>22 45 26 Eye/Face Wash Equipment (22 45)</b>		
22 45 26 00-0001 Emergency Eye/Face Wash Equipment (22 45 26)		
22 45 26 00-0002 Emergency Eye/Face Wash Equipment (Haws) (22 45 26 00-0001)		
22 45 26 00-0003 EA Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460).....	712.04	122.06
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0004 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324).....	712.87	170.88
22 45 26 00-0005 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B).....	696.73	170.88
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0006 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT).....	760.20	170.88
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0007 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B).....	766.65	170.88
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0008 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT).....	843.03	170.88
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0009 EA Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC).....	1,148.53	170.88
22 45 26 00-0010 EA Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B).....	2,170.47	170.88
22 45 26 00-0011 EA Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271).....	874.64	195.28
22 45 26 00-0012 EA Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461).....	998.34	195.28
22 45 26 00-0013 EA Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777).....	2,246.19	195.28
22 45 26 00-0014 EA Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611).....	597.85	48.82
22 45 26 00-0015 EA Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612).....	576.34	48.82
22 45 26 00-0016 EA Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH).....	603.23	48.82
22 45 26 00-0017 EA Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610).....	759.21	48.82
22 45 26 00-0018 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC).....	1,843.61	244.10
22 45 26 00-0019 EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM).....	2,235.43	195.28
22 45 26 00-0020 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC).....	2,295.42	244.10
22 45 26 00-0021 EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM).....	2,697.99	195.28
<b>22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) (22 45 26 00-0001)</b>		
22 45 26 00-0023 EA Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495).....	635.80	170.88
22 45 26 00-0024 EA Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE- 496).....	778.61	195.28
22 45 26 00-0025 Emergency Eye/Face Wash Equipment (WaterSaver) (22 45 26 00-0001)		

<b>22</b>	<b>Plumbing</b>
<b>22 40</b>	<b>Plumbing Fixtures</b>
<b>22 45</b>	<b>Emergency Plumbing Fixtures</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 26 00-0026 EA Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724).....	1,236.94	170.88
22 45 26 00-0027 EA Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC).....	1,643.27	170.88
22 45 26 00-0028 EA Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727).....	1,591.61	170.88
22 45 26 00-0029 EA Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765).....	1,468.35	170.88
22 45 26 00-0030 EA Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774).....	796.60	48.82
22 45 26 00-0031 EA Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH).....	796.60	48.82
22 45 26 00-0032 EA Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775).....	772.56	48.82
22 45 26 00-0033 EA Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH).....	772.56	48.82
22 45 26 00-0034 EA Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778).....	1,185.68	48.82
22 45 26 00-0035 EA Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779).....	1,185.68	48.82
<b>22 45 26 00-0036 Emergency Eye/Face Wash Equipment (Guardian) (22 45 26 00-0001)</b> Note: Includes one pull rod.		
22 45 26 00-0037 EA All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994).....	5,146.33	170.88
<b>22 45 29 Hand-Held Emergency Drench Hoses (22 45)</b>		
<b>22 45 29 00-0001 Hand-Held Emergency Eye/Face/Body Wash With Hose (22 45 29)</b>		
<b>22 45 29 00-0002 Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) (22 45 29 00-0001)</b>		
22 45 29 00-0003 EA Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904).....	638.41	61.03
22 45 29 00-0004 EA Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905).....	735.22	61.03
<b>22 45 29 00-0005 Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) (22 45 29 00-0001)</b>		
22 45 29 00-0006 EA Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020).....	606.65	61.03
22 45 29 00-0007 EA Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025).....	558.39	61.03
22 45 29 00-0008 EA Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014).....	842.32	61.03
22 45 29 00-0009 EA Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022).....	788.62	61.03
22 45 29 00-0010 EA Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026).....	807.85	61.03
22 45 29 00-0011 EA Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028).....	1,061.04	61.03
22 45 29 00-0012 EA Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB).....	1,229.44	61.03
22 45 29 00-0013 EA Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041).....	1,172.34	61.03
<b>22 45 33 Combination Emergency Fixture Units (22 45)</b>		
<b>22 45 33 00-0001 Emergency Shower With Eye/Face Wash (22 45 33)</b>		
<b>22 45 33 00-0002 Emergency Shower With Eye/Face Wash (Haws) (22 45 33 00-0001)</b>		
22 45 33 00-0003 EA Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330).....	3,781.16	317.34
22 45 33 00-0004 EA Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP).....	2,554.83	317.34
22 45 33 00-0005 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309).....	1,774.93	317.34
22 45 33 00-0006 EA Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158).....	2,834.52	317.34
22 45 33 00-0007 EA Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP).....	2,076.13	317.34
22 45 33 00-0008 EA Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC).....	1,952.42	317.34
22 45 33 00-0009 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317).....	1,667.36	317.34
22 45 33 00-0010 EA Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336).....	2,737.70	317.34
22 45 33 00-0011 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 835WCC).....	3,001.26	317.34
22 45 33 00-0012 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 835WCCW).....	3,060.42	317.34
22 45 33 00-0013 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC).....	3,420.79	317.34
22 45 33 00-0014 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD).....	3,630.55	317.34
22 45 33 00-0015 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW).....	3,571.39	317.34
22 45 33 00-0016 EA Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP).....	5,346.34	317.34



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Fixtures</b>	<b>22 40</b>	
<b>Emergency Plumbing Fixtures</b>	<b>22 45</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 33 00-0017 EA Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V).....	5,636.78	317.34
22 45 33 00-0018 EA Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1).....	11,929.77	317.34
22 45 33 00-0019 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325).....	1,667.36	317.34
22 45 33 00-0020 EA Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP).....	1,887.88	317.34
<b>22 45 33 00-0021 Emergency Shower With Eye/Face Wash (Speakman) (22 45 33 00-0001)</b>		
22 45 33 00-0022 EA Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690).....	1,492.65	317.34
<b>22 45 33 00-0023 Emergency Shower With Eye/Face Wash (WaterSaver) (22 45 33 00-0001)</b>		
22 45 33 00-0024 EA All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994).....	5,562.20	265.06
22 45 33 00-0025 EA Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC).....	5,684.66	265.06
22 45 33 00-0026 EA Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902).....	2,233.47	265.06
22 45 33 00-0027 EA Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P).....	2,042.95	265.06
22 45 33 00-0028 EA Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC).....	2,639.81	265.06
<b>22 45 36 Emergency Fixture Water-Tempering Equipment (22 45)</b>		
<b>22 45 36 00-0001 Emergency Fixture Water-Tempering Equipment (22 45 36)</b>		
<b>22 45 36 00-0002 Emergency Fixture Water-Tempering Equipment (Haws) (22 45 36 00-0001)</b>		
22 45 36 00-0003 EA 10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW).....	676.06	61.03
22 45 36 00-0004 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE).....	993.40	61.03
22 45 36 00-0005 EA 31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E).....	1,461.34	61.03
22 45 36 00-0006 EA 78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E).....	1,724.89	61.03
22 45 36 00-0007 EA 31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H).....	2,445.63	61.03
22 45 36 00-0008 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE).....	2,580.09	61.03
22 45 36 00-0009 EA 74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE).....	4,338.90	61.03
22 45 36 00-0010 EA 78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF).....	5,215.62	61.03
22 45 36 00-0011 EA 1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B).....	756.74	61.03
<b>22 45 39 Emergency Plumbing Fixture Accessories (22 45)</b>		
<b>22 45 39 00-0001 Emergency Plumbing Fixture Accessories (22 45 39)</b>		
<b>22 45 39 00-0002 Emergency Plumbing Fixture Accessories (Haws) (22 45 39 00-0001)</b>		
22 45 39 00-0003 EA Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220).....	173.52	19.53
22 45 39 00-0004 EA Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W).....	243.44	19.53
22 45 39 00-0005 EA Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS).....	254.19	19.53
22 45 39 00-0006 EA Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS).....	283.58	7.32
22 45 39 00-0007 EA Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102).....	289.46	4.88
22 45 39 00-0008 EA 3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020).....	315.35	9.77
22 45 39 00-0009 EA Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK).....	549.86	73.24
22 45 39 00-0010 EA Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP).....	568.30	31.35
22 45 39 00-0011 EA Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT).....	847.99	31.35
22 45 39 00-0012 EA Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037).....	993.40	73.24
22 45 39 00-0013 EA Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP).....	1,896.82	31.35
22 45 39 00-0014 EA 1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5).....	2,091.54	104.51
22 45 39 00-0015 EA 1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001).....	2,134.57	104.51
22 45 39 00-0016 EA 1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP).....	3,974.06	104.51
22 45 39 00-0017 EA 1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1).....	7,577.74	104.51
<b>22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) (22 45 39 00-0001)</b>		
22 45 39 00-0019 EA Privacy Curtain For Emergency Showers.....	994.94	73.24
Note: Curtain includes stainless steel curtain rod and mounting accessories.		
<b>22 45 39 00-0020 Emergency Plumbing Fixture Accessories (WaterSaver) (22 45 39 00-0001)</b>		
22 45 39 00-0021 EA Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC).....	160.75	15.90

**22 Plumbing****22 40 Plumbing Fixtures****22 45 Emergency Plumbing Fixtures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**22 47 Drinking Fountains and Water Coolers (22 40)****22 47 13 Drinking Fountains (22 47)****22 47 13 00-0001 Indoor Drinking Fountains (22 47 13)****22 47 13 00-0002 Face Mounted Indoor Drinking Fountain (22 47 13 00-0001)**

22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S) .....	1,727.45	158.67
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP) .....	2,517.07	170.88
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E) .....	2,277.51	158.67
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP) .....	2,715.17	170.88
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS) .....	1,156.62	158.67
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP) .....	1,383.43	170.88
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE) .....	1,308.80	158.67
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP) .....	1,589.12	170.88

**22 47 13 00-0011 Wall Mounted Indoor Drinking Fountain (22 47 13 00-0001)**

22 47 13 00-0012	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701) .....	1,190.57	170.88
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF) .....	1,827.98	170.88
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Halsey-Taylor HTHB-HAC8BLWF) .....	2,317.00	219.70
22 47 13 00-0015	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay VRCGRN8WSK) .....	3,147.33	219.70
22 47 13 00-0016	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay EZSTLG8WSLK) .....	2,706.33	219.70
22 47 13 00-0017	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay LZSTL8WSSP) .....	2,463.30	219.70
22 47 13 00-0018	EA	White Vitreous China Wall-Mounted Indoor Drinking Fountain (Haws 1201) .....	1,209.62	170.88
22 47 13 00-0019	EA	White Enamelled Iron Wall-Mounted Indoor Drinking Fountain (Haws 1311 And 6700) .....	1,835.67	170.88
22 47 13 00-0020	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVR8WSK) .....	2,776.69	170.88
22 47 13 00-0021	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK) .....	2,682.19	170.88
22 47 13 00-0022	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCDWSK) .....	2,566.69	170.88
22 47 13 00-0023	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK) .....	2,461.69	170.88
22 47 13 00-0024	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVR8WSK) .....	2,241.19	170.88
22 47 13 00-0025	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCGRN8WSK) .....	2,146.69	170.88
22 47 13 00-0026	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSG8WSSK) .....	2,041.69	170.88
22 47 13 00-0027	EA	Stainless Steel Wall-Mounted Indoor Chilled Filtered Bottle Filling Station With Hands-Free Touchless Sensor Drinking Fountain (Elkay LZ08WSSK) .....	2,041.69	170.88
22 47 13 00-0028	EA	Stainless Steel Wall-Mounted Indoor Chilled Non-Filtered Bottle Filling Station With Hands-Free Fountain (Elkay EZ08WSSK) .....	1,947.19	170.88
22 47 13 00-0029	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Drinking Fountain (Elkay EZSG8WSSK) .....	1,947.19	170.88
22 47 13 00-0030	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LMABF8WSSK) .....	1,905.19	170.88
22 47 13 00-0031	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LZS8WSVRSK) .....	1,905.19	170.88
22 47 13 00-0032	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSSK) .....	1,810.69	170.88
22 47 13 00-0033	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSK) .....	1,758.19	170.88
22 47 13 00-0034	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSP) .....	1,684.69	170.88
22 47 13 00-0035	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSDWSSK) .....	1,653.19	170.88
22 47 13 00-0036	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK) .....	1,548.19	170.88
22 47 13 00-0037	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSLK) .....	1,758.19	170.88
22 47 13 00-0038	EA	Vinyl Clad Cabinet, Non Chilled, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK) .....	1,548.19	170.88
22 47 13 00-0039	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLK) .....	1,640.74	170.88
22 47 13 00-0040	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor, Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLP) .....	1,642.69	170.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0041 EA Surface Mounted, Stainless Steel, Filtered Non-Refrigerated, Bottle Filling Station Kit (Elkay LZWSSM) .....	1,356.05	122.06
22 47 13 00-0042 EA Wall Mounted, Non-Filtered Non-Refrigerated, Retrofit Bottle Filling Station Kit (Elkay EMABFWS-RF) .....	1,020.05	122.06
<b>22 47 13 00-0043 Semi-Recessed Indoor Drinking Fountain (22 47 13 00-0001)</b>		
22 47 13 00-0044 EA Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubblers (Halsey-Taylor 5801) .....	1,600.14	183.07
22 47 13 00-0045 EA Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubblers And Cuspidor (Halsey-Taylor 5801C) .....	3,436.79	183.07
<b>22 47 13 00-0046 Fully Recessed Indoor Drinking Fountain (22 47 13 00-0001)</b>		
22 47 13 00-0047 EA Stainless Steel Fully-Recessed, With Bubblers, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400) .....	1,711.55	195.28
22 47 13 00-0048 EA Stainless Steel Fully-Recessed, With Bubblers And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403) .....	3,120.60	195.28
22 47 13 00-0049 EA Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubblers, Barrier Free (Haws 2401) .....	2,077.60	195.28
22 47 13 00-0050 EA Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubblers, Barrier Free (Haws 2406) .....	4,685.62	195.28
22 47 13 00-0051 EA Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubblers (Haws 2403) .....	3,191.69	195.28
<b>22 47 13 00-0052 Countertop Indoor Drinking Fountain (22 47 13 00-0001)</b>		
22 47 13 00-0053 EA Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubblers (Halsey-Taylor 10000) .....	709.89	122.06
22 47 13 00-0054 EA Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubblers (Halsey-Taylor 6000) .....	683.37	122.06
22 47 13 00-0055 EA Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubblers (Halsey-Taylor 6028) .....	828.73	122.06
<b>22 47 13 00-0056 Bowl And Bracket Indoor Drinking Fountain (22 47 13 00-0001)</b>		
22 47 13 00-0057 EA Stainless Steel, Bowl And Bracket With Pushbutton Bubblers, Indoor Drinking Fountain (Halsey-Taylor 2501A) .....	599.55	122.06
22 47 13 00-0058 EA Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540) .....	722.77	122.06
<b>22 47 13 00-0059 Multi-Station Indoor Drinking Fountain (22 47 13 00-0001)</b>		
22 47 13 00-0060 EA Two Station, Stainless Steel, Indoor Drinking Fountains With Bubblers And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020) .....	3,242.62	195.28
22 47 13 00-0061 EA Three Station, Stainless Steel, Indoor Drinking Fountains With Bubblers And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030) .....	4,078.67	195.28
22 47 13 00-0062 EA Two Station, Marble, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120) .....	3,092.90	195.28
22 47 13 00-0063 EA Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430) .....	2,608.12	195.28
22 47 13 00-0064 EA Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435) .....	3,285.06	195.28
22 47 13 00-0065 EA Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1431) .....	2,706.16	195.28
22 47 13 00-0066 EA Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1501) .....	2,757.72	195.28
22 47 13 00-0067 EA White Enameled Iron, Dual Height, Drinking Fountain (Haws 1501 with 6715) .....	3,186.04	249.10
22 47 13 00-0068 EA Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4) .....	2,860.63	249.10
22 47 13 00-0069 EA Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441) .....	5,005.57	195.28
22 47 13 00-0070 EA Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408) .....	4,916.65	195.28
<b>22 47 13 00-0071 Drinking Fountain Retro Kit (22 47 13 00-0001)</b>		
22 47 13 00-0072 EA Stainless Steel Drinking Fountain Retro Kit (Acorn 2990-082-001) .....	664.32	122.06
<b>22 47 13 00-0073 Outdoor Drinking Fountains (22 47 13)</b>		
<b>22 47 13 00-0074 Face Mounted Outdoor Drinking Fountains (22 47 13 00-0073)</b>		
22 47 13 00-0075 EA Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubblers (Halsey-Taylor HRFE-FR) .....	1,493.86	195.28
22 47 13 00-0076 EA Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubblers (Halsey-Taylor HRFEFP-FR) .....	1,637.94	195.28
22 47 13 00-0077 EA Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4592) .....	1,575.38	195.28
22 47 13 00-0078 EA Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4592-FR) .....	2,312.81	195.28
<b>22 47 13 00-0079 Free Standing Outdoor Drinking Fountains (22 47 13 00-0073)</b>		
22 47 13 00-0080 EA Steel Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4715) .....	2,840.04	183.07
22 47 13 00-0081 EA Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4715-FR) .....	3,989.79	183.07
22 47 13 00-0082 EA Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4710) .....	2,836.22	183.07
22 47 13 00-0083 EA Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4710-FR) .....	3,916.35	183.07
22 47 13 00-0084 EA Steel Barrier-Free Bi-Level Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4720) .....	4,221.79	195.28
22 47 13 00-0085 EA Steel Barrier-Free Bi-Level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4720-FR) .....	4,298.57	195.28
22 47 13 00-0086 EA Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4591) .....	1,596.46	183.07
22 47 13 00-0087 EA Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4590) .....	2,756.63	183.07
22 47 13 00-0088 EA Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4590-FR) .....	3,906.38	183.07
22 47 13 00-0089 EA Stone Aggregate Barrier-Free Bi-Level Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4595) .....	4,598.09	195.28
22 47 13 00-0090 EA Stone Aggregate Barrier-Free Bi-Level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4595-FR) .....	6,453.99	195.28

**22 Plumbing****22 40 Plumbing Fixtures****22 47 Drinking Fountains and Water Coolers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0091			<b>Multi-Station Outdoor Drinking Fountains</b> (22 47 13 00-0073)		
22 47 13 00-0092	EA		White Cast Aluminum Three Station Outdoor Drinking Fountains With Bubblers (Haws 1408).....	3,156.67	195.28
<b>22 47 16</b>			<b>Pressure Water Coolers</b> (22 47)		
22 47 16 00-0001			<b>Indoor Water Coolers</b> (22 47 16)		
22 47 16 00-0002			<b>Face Mounted Indoor Water Coolers</b> (22 47 16 00-0001)		
22 47 16 00-0003	EA		Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q).....	3,257.82	195.28
22 47 16 00-0004	EA		Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q).....	3,478.67	195.28
22 47 16 00-0005			<b>Wall Mounted Indoor Water Coolers</b> (22 47 16 00-0001)		
22 47 16 00-0006	EA		Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q).....	1,546.94	195.28
22 47 16 00-0007	EA		Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q).....	1,603.82	195.28
22 47 16 00-0008	EA		Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q).....	1,782.01	195.28
22 47 16 00-0009	EA		Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS).....	1,850.26	195.28
22 47 16 00-0010	EA		Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA).....	1,368.75	195.28
22 47 16 00-0011	EA		Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS).....	1,586.75	195.28
22 47 16 00-0012	EA		Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS).....	1,246.47	195.28
22 47 16 00-0013	EA		Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL).....	1,879.00	195.28
22 47 16 00-0014	EA		Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS).....	2,091.03	292.92
22 47 16 00-0015			<b>Simulated Recessed Indoor Water Coolers</b> (22 47 16 00-0001)		
22 47 16 00-0016	EA		Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q).....	1,846.30	195.28
22 47 16 00-0017			<b>Fully Recessed Indoor Water Coolers</b> (22 47 16 00-0001)		
22 47 16 00-0018	EA		Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q).....	3,592.87	219.70
22 47 16 00-0019	EA		Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762).....	4,390.63	219.70
22 47 16 00-0020	EA		Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700).....	5,140.79	219.70
22 47 16 00-0021			<b>Free Standing Indoor Water Coolers</b> (22 47 16 00-0001)		
22 47 16 00-0022	EA		Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q).....	1,491.48	170.88
22 47 16 00-0023	EA		Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q).....	1,602.38	170.88
22 47 16 00-0024	EA		Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q).....	1,819.44	170.88
22 47 16 00-0025	EA		Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q).....	2,025.12	170.88
22 47 16 00-0026			<b>Bottled Water Coolers</b> (22 47 16 00-0001)		
22 47 16 00-0027	EA		Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water.....	515.00	97.64
22 47 16 00-0028	EA		Free-Standing Bottled Water Cooler With Chilled Or Hot Water.....	616.86	97.64
22 47 16 00-0029			<b>Multi-Station Indoor Water Coolers</b> (22 47 16 00-0001)		
22 47 16 00-0030	EA		Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q).....	3,593.39	292.92
22 47 16 00-0031	EA		Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q).....	5,505.21	292.92
22 47 16 00-0032	EA		Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS).....	2,268.28	292.92
22 47 16 00-0033			<b>Outdoor Water Coolers</b> (22 47 16)		
22 47 16 00-0034			<b>Wall Mounted Outdoor Water Coolers</b> (22 47 16 00-0033)		
22 47 16 00-0035	EA		Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS).....	1,607.53	122.06
22 47 16 00-0036	EA		Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS).....	2,769.19	122.06
22 47 16 00-0037			<b>Free Standing Outdoor Water Coolers</b> (22 47 16 00-0033)		
22 47 16 00-0038	EA		Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q).....	2,653.32	183.07
22 47 16 00-0039	EA		Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q).....	3,184.12	183.07





<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Fixtures</b>	<b>22 40</b>	
<b>Drinking Fountains and Water Coolers</b>	<b>22 47</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 47 16 00-0040</b>	<b>Removal And Reinstallation Of Fixtures And Trim</b> <small>(22 47 16)</small>		
	Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0041	EA Removal And Reinstallation Of Wall Hung Water Cooler .....	474.94	
22 47 16 00-0042	EA Removal And Reinstallation Of Floor Mount Water Cooler .....	106.02	

**22 47 19 Water-Station Water Coolers** (22 47)

<b>22 47 19 00-0001</b>	<b>Bottle Filler</b> <small>(22 47 19)</small>		
22 47 19 00-0002	EA Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF) .....	3,602.51	195.28
	For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0003	EA Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK) .....	4,867.89	195.28
	For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0004	EA Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1) .....	6,251.46	219.70
	For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0005	EA Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2) .....	6,756.41	219.70
	For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0006	EA Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3) .....	7,261.36	219.70
	For Stainless Steel Carrier, Add	205.00	

<b>22 47 19 00-0007</b>	<b>Indoor Bottle Filling Station</b> <small>(22 47 19)</small>		
22 47 19 00-0008	EA Indoor Bottle Filling Station With Chiller, Recessed Mount (Halsey Taylor HTHB-8) .....	2,596.48	195.28
22 47 19 00-0009	EA Indoor Bottle Filling Station Without Chiller, Recessed Mount (Halsey Taylor HTHB-LR) .....	1,785.63	195.28
22 47 19 00-0010	EA Indoor Bottle Filling Station, Surface Mount (Halsey Taylor HTHBSM-WF) .....	1,439.23	195.28
22 47 19 00-0011	EA Surface Mount, Battery Powered, Non-Filtered, Non-Refrigerated, Stainless Steel Botter Filling Station (Elkay EMASMB) .....	1,397.51	195.28

**22 47 23 Remote Water Coolers** (22 47)

<b>22 47 23 00-0001</b>	<b>Remote Chillers</b> <small>(22 47 23)</small>		
22 47 23 00-0002	EA 1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q) .....	926.11	65.91
22 47 23 00-0003	EA 5 GPH Remote Chiller (Halsey-Taylor SJ5-Q) .....	1,409.00	73.24
22 47 23 00-0004	EA 8 GPH Remote Chiller (Halsey-Taylor SJ8-Q) .....	1,209.72	85.43
22 47 23 00-0005	EA 10 GPH Remote Chiller (Halsey-Taylor SJ10-Q) .....	1,557.35	97.64
22 47 23 00-0006	EA 19 GPH Remote Chiller (Halsey-Taylor SJ19-Q) .....	2,439.82	146.46
22 47 23 00-0007	EA 30 GPH Remote Chiller (Halsey-Taylor SJ30-Q) .....	2,645.26	158.67

**22 47 26 Fixture Carriers** (22 47)

<b>22 47 26 00-0001</b>	<b>Water Cooler Carriers</b> <small>(22 47 26)</small>		
<b>22 47 26 00-0002</b>	<b>Floor Mounted, Water Cooler Carriers</b> <small>(22 47 26 00-0001)</small>		
	Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003	EA Floor Mounted Hanger Plate Type, Single Water Cooler Carrier .....	538.10	37.11
	For Up To 4" Extension Sleeves And Hardware, Add	27.28	
	For Bi-Level Carrier, Add	304.22	
22 47 26 00-0004	EA Floor Mounted Bearing Plate Type, Single Water Cooler Carrier .....	587.47	37.11
	For Up To 4" Extension Sleeves And Hardware, Add	27.28	
	For Bi-Level Carrier, Add	304.22	

**22 50 Pool and Fountain Plumbing Systems** (22)

**22 51 Swimming Pool Plumbing Systems** (22 50)

**22 51 13 Swimming Pool Piping** (22 51)

<b>22 51 13 00-0001</b>	<b>Swimming Pool Gutters</b> <small>(22 51 13)</small>		
22 51 13 00-0002	LF Swimming Pool Gutters, Stainless .....	388.41	21.97

**22 51 13 00-0003** **Pool Drains** (22 51 13)

<b>22 51 13 00-0004</b>	<b>Cast Iron Pool Drain With Bottom Outlet</b> <small>(22 51 13 00-0003)</small>		
	Note: Large square top and 24" loose set round super-flo grate.		
22 51 13 00-0005	EA Cast Iron Pool Drain, 4" - 8" Bottom Outlet, Large Square Top And 24" Super-Flo Grate .....	3,030.43	61.51
	For Polished Bronze Top, Add	769.60	
	For Chromium Plated Top, Add	805.00	
	For Galvanized Top, Add	276.40	
	For Vandal Proof Construction, Add	57.20	

<b>22 51 13 00-0006</b>	<b>Cast Iron Pool Drain With Waterproof Flange</b> <small>(22 51 13 00-0003)</small>		
	Note: Bottom outlet 14" square top and loose set square flange.		

**22 Plumbing**

**22 50 Pool and Fountain Plumbing Systems**

**22 51 Swimming Pool Plumbing Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 13 00-0007	EA		Cast Iron Pool Drain, 2" - 4" Bottom Outlet With Waterproof Flange And 14" Square Top .....	822.57	61.51
			<i>For Polished Bronze Top, Add</i> .....	133.50	
			<i>For Hinge Grate, Add</i> .....	28.60	
			<i>For Clamp Device, Add</i> .....	13.80	
			<i>For Supplementary Strainer, Add</i> .....	7.00	
			<i>For Chromium Plated Top, Add</i> .....	146.90	
			<i>For Vandal Proof Construction, Add</i> .....	17.10	
			<i>For Threaded Outlet, Add</i> .....	9.50	
			<i>For Galvanized Top, Add</i> .....	38.10	
			<i>For Ground Screw, Add</i> .....	18.30	
<b>22 51 13 00-0008</b>			<b>Pool Supply Fittings (22 51 13)</b>		
<b>22 51 13 00-0009</b>			<b>Cast Iron Pool Supply Fittings (22 51 13 00-0008)</b>		
			Note: Includes polished bronze head and anchor flange and adjustable V-ported valve insert and threaded inlet.		
22 51 13 00-0010	EA		Cast Iron Pool Fitting For 2" Pipe.....	1,075.76	109.85
			<i>For Galvanized Head, Add</i> .....	26.30	
			<i>For Vandal Proof Construction, Add</i> .....	11.50	
			<i>For Grounding Screw, Add</i> .....	18.30	
22 51 13 00-0011	EA		Cast Iron Pool Fitting For 3" Pipe.....	1,075.76	109.85
			<i>For Galvanized Head, Add</i> .....	26.30	
			<i>For Vandal Proof Construction, Add</i> .....	11.50	
			<i>For Grounding Screw, Add</i> .....	18.30	
			<i>For Chromium Plated Head, Add</i> .....	11.50	
<b>22 51 16</b>			<b>Swimming Pool Pumps (22 51)</b>		
<b>22 51 16 00-0001</b>			<b>Variable Speed Pool Pumps (22 51 16)</b>		
22 51 16 00-0002	EA		3 HP, Variable Speed Pool Pump With Vacuum Release (Pentair INTELLIFLO VS+SVRS 11017) .....	2,676.84	414.98
22 51 16 00-0003	EA		Variable Speed Pool Pump (Hayward EcoStar SVRS SP3400VSP) .....	2,938.93	414.98
22 51 16 00-0004	EA		Variable Speed Pool Pump With Vacuum Release (Hayward EcoStar SVRS SP3400VSPVR).....	3,290.72	414.98
<b>22 51 16 00-0005</b>			<b>Electric Powered Portable Vacuum Cleaner Pump (22 51 16)</b>		
			Note: Includes 75' of 3 wire electric safety cord.		
22 51 16 00-0006	EA		1 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord.....	351.76	48.82
22 51 16 00-0007	EA		1-1/2 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord.....	624.60	48.82
<b>22 51 16 00-0008</b>			<b>Gasoline Driven Portable Vacuum Cleaner Pump (22 51 16)</b>		
22 51 16 00-0009	EA		3 HP Gasoline Driven Portable Vacuum Cleaner Pump .....	2,438.46	48.82
<b>22 51 19</b>			<b>Swimming Pool Water Treatment Equipment (22 51)</b>		
<b>22 51 19 00-0001</b>			<b>Condensing Pool Water Heater (22 51 19)</b>		
22 51 19 00-0002	EA		372 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN400) .....	37,286.47	699.75
22 51 19 00-0003	EA		467 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN501) .....	40,608.44	839.70
22 51 19 00-0004	EA		567 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN601) .....	44,533.37	909.68
22 51 19 00-0005	EA		660 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN701) .....	54,730.44	979.65
22 51 19 00-0006	EA		773 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN801) .....	56,764.46	1,049.62
22 51 19 00-0007	EA		967 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1015) .....	86,099.51	1,259.55
22 51 19 00-0008	EA		1,257 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1320) .....	110,378.52	1,329.52
22 51 19 00-0009	EA		1,450 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1520) .....	114,821.35	1,434.49
<b>22 51 19 00-0010</b>			<b>Non Condensing Pool Water Heater (22 51 19)</b>		
22 51 19 00-0011	EA		500 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0502) .....	19,990.01	909.68
22 51 19 00-0012	EA		650 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0652) .....	21,302.87	979.65
22 51 19 00-0013	EA		750 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0752) .....	23,210.84	1,049.62
22 51 19 00-0014	EA		990 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0992) .....	30,693.74	1,259.55
22 51 19 00-0015	EA		1,260 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1262) .....	35,589.01	1,329.52
22 51 19 00-0016	EA		1,440 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1442) .....	37,989.98	1,434.49
22 51 19 00-0017	EA		1,800 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1802) .....	37,627.43	1,504.47
22 51 19 00-0018	EA		2,070 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN2072) .....	48,836.90	1,539.45
<b>22 51 19 00-0019</b>			<b>Swimming Pool Heaters (22 51 19)</b>		
			Note: Excludes wiring, external piping, base or pad. Commercial pools.		
<b>22 51 19 00-0020</b>			<b>Electric Pool Heaters (22 51 19 00-0019)</b>		
22 51 19 00-0021	EA		12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool.....	4,243.93	195.28
22 51 19 00-0022	EA		18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool.....	4,746.54	209.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0023 EA 24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool.....	5,268.87	244.10
22 51 19 00-0024 EA 30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool.....	5,564.02	292.92
22 51 19 00-0025 EA 36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool.....	6,087.01	410.09
22 51 19 00-0026 EA 60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool.....	6,931.81	585.84
<b>22 51 19 00-0027 Gas Fired Pool Heaters (22 51 19 00-0019)</b>		
22 51 19 00-0028 EA 120 MBH Output Gas Fired Pool Heater .....	5,334.79	926.36
22 51 19 00-0029 EA 180 MBH Output Gas Fired Pool Heater .....	6,059.40	1,058.70
22 51 19 00-0030 EA 240 MBH Output Gas Fired Pool Heater .....	6,847.02	1,191.03
22 51 19 00-0031 EA 300 MBH Output Gas Fired Pool Heater .....	7,876.23	1,455.71
22 51 19 00-0032 EA 360 MBH Output Gas Fired Pool Heater .....	8,111.26	1,536.50
22 51 19 00-0033 EA 400 MBH Output Gas Fired Pool Heater .....	9,583.81	1,907.83
22 51 19 00-0034 EA 500 MBH Output Gas Fired Pool Heater .....	15,075.60	2,201.34
22 51 19 00-0035 EA 600 MBH Output Gas Fired Pool Heater .....	17,481.06	2,421.47
22 51 19 00-0036 EA 750 MBH Output Gas Fired Pool Heater .....	19,712.75	2,641.61
22 51 19 00-0037 EA 1,000 MBH Output Gas Fired Pool Heater .....	25,275.40	3,118.57
<b>22 51 19 00-0038 Surge Tanks (22 51 19)</b>		
Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0039 EA 1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	18,916.68	756.80
22 51 19 00-0040 EA 1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	21,248.34	756.80
22 51 19 00-0041 EA 2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	25,666.91	980.30
22 51 19 00-0042 EA 5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	33,865.52	1,582.11
<b>22 51 19 00-0043 Diatomite Type Filter System (22 51 19)</b>		
22 51 19 00-0044 EA 35,000 Gallon Filter System, Diatomite .....	13,856.58	2,805.26
22 51 19 00-0045 EA 45,000 Gallon Filter System, Diatomite .....	16,514.65	3,366.31
<b>22 51 19 00-0046 Silver Recovery System, X-Ray Film Processing (22 51 19)</b>		
22 51 19 00-0047 EA 20 Gallon/Day Capacity, Silver Recovery System .....	1,933.69	331.33
22 51 19 00-0048 EA 40 Gallon/Day Capacity, Silver Recovery System .....	2,847.87	441.80
<b>22 51 19 00-0049 Inline Water Filter (22 51 19)</b>		
Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0050 EA 2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body.....	249.06	97.64
22 51 19 00-0051 EA 6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body .....	464.16	146.46
<b>22 51 19 00-0052 Horizontal High Rate Sand Filters (22 51 19)</b>		
Note: Includes sand, filter system equipment and attached accessory gauges.		
22 51 19 00-0053 EA 135-270 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	37,768.23	2,105.94
Note: 1 tank, 4" pipe size, Miami Tanks model # HH3614-A.		
22 51 19 00-0054 EA 135-270 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	23,039.79	2,105.94
Note: 1 tank, 4" pipe size, Miami tanks model # HH3614-M.		
22 51 19 00-0055 EA 270-405 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	52,250.24	4,211.88
Note: 2 tank, 4" pipe size, Miami tanks model # HH3624-A.		
22 51 19 00-0056 EA 270-405 GPM Horizontal Hi-Rate Sand Filter, Manual Controls .....	41,328.73	4,211.88
Note: 2 tank, 4" pipe size, Miami tanks model # HH3624-M.		
22 51 19 00-0057 EA 270-540 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	53,712.94	4,211.88
Note: 2 tank, 6" pipe size, Miami tanks model # HH3626-A.		
22 51 19 00-0058 EA 270-540 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	43,009.86	4,211.88
Note: 2 tank, 6" pipe size, Miami tanks model # HH3626-M.		
22 51 19 00-0059 EA 405-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	73,394.18	6,317.82
Note: 3 tank, 6" pipe size, Miami tanks model # HH3636-A.		
22 51 19 00-0060 EA 405-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	57,148.43	6,317.82
Note: 3 tank, 6" pipe size, Miami tanks model # HH3636-M.		
22 51 19 00-0061 EA 405-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	75,500.47	6,317.82
Note: 3 tank, 8" pipe size, Miami tanks model # HH3638-A.		
22 51 19 00-0062 EA 405-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	63,241.63	6,317.82
Note: 3 tank, 8" pipe size, Miami tanks model # HH3638-M.		
22 51 19 00-0063 EA 540-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	94,736.92	8,423.77
Note: 4 tank, 6" pipe size, Miami tanks model # HH3646-A.		
22 51 19 00-0064 EA 540-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	80,971.92	8,423.77
Note: 4 tank, 6" pipe size, Miami tanks model # HH3646-M.		
22 51 19 00-0065 EA 675 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	115,187.24	10,529.71
Note: 5 tank, 6" pipe size, Miami tanks model # HH3656-A.		
22 51 19 00-0066 EA 675 GPM Horizontal Hi-Rate Sand Filter, Manual Controls .....	97,459.29	10,529.71
Note: 5 tank, 6" pipe size, Miami tanks model # HH3656-M.		
22 51 19 00-0067 EA 675-1350 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	118,420.79	10,529.71
Note: 5 tank, 8" pipe size, Miami tanks model # HH3658-A.		
22 51 19 00-0068 EA 675-1350 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	100,994.29	10,529.71
Note: 5 tank, 8" pipe size, Miami tanks model # HH3658-M.		
22 51 19 00-0069 EA 810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls.....	136,772.87	12,635.65
Note: 6 tank, 6" pipe size, Miami tanks model # HH3666-A.		
22 51 19 00-0070 EA 810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls.....	117,051.74	12,635.65
Note: 6 tank, 6" pipe size, Miami tanks model # HH3666-M.		

**22 Plumbing****22 50 Pool and Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0071 EA 810-1620 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls ..... Note: 6 tank, 8" pipe size, Miami tanks model # HH3668-A.	139,596.86	12,635.65
22 51 19 00-0072 EA 810-1620 GPM Horizontal Hi-Rate Sand Filter, Manual Controls ..... Note: 6 tank, 8" pipe size, Miami tanks model # HH3668-M.	119,351.16	12,635.65
22 51 19 00-0073 EA 810-1620 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls ..... Note: 6 tank, 10" pipe size, Miami tanks model # HH36610-A.	143,376.48	12,635.65
22 51 19 00-0074 EA 810-1620 GPM Horizontal Hi-Rate Sand Filter, Manual Controls ..... Note: 6 tank, 10" pipe size, Miami tanks model # HH36610-M.	114,485.18	12,635.65
22 51 19 00-0075 EA 945-1418 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls ..... Note: 7 tank, 8" pipe size, Miami tanks model # HH3678-A.	161,199.29	14,741.59
22 51 19 00-0076 EA 945-1418 GPM Horizontal Hi-Rate Sand Filter, Manual Controls ..... Note: 7 tank, 8" pipe size, Miami tanks model # HH3678-M.	141,476.76	14,741.59
22 51 19 00-0077 EA 945-1890 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls ..... Note: 7 tank, 10" pipe size, Miami tanks model # HH36710-A.	165,952.65	14,741.59
22 51 19 00-0078 EA 945-1890 GPM Horizontal Hi-Rate Sand Filter, Manual Controls ..... Note: 7 tank, 10" pipe size, Miami tanks model # HH36710-M.	145,697.15	14,741.59
22 51 19 00-0079 EA 1080-2160 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls ..... Note: 8 tank, 10" pipe size, Miami tanks model # HH36810-A.	184,680.07	16,847.53
22 51 19 00-0080 EA 1080-2160 GPM Horizontal Hi-Rate Sand Filter, Manual Controls ..... Note: 8 tank, 10" pipe size, Miami tanks model # HH36810-M.	164,643.00	16,847.53
<b>22 51 19 00-0081 Swimming Pool Chlorinators (22 51 19)</b>		
22 51 19 00-0082 EA Swimming Pool Chlorinator, 50-100 PPD, Direct Cylinder Mounted Gas Chlorinator .....	1,078.72	139.63
<b>22 51 19 00-0083 Ultra-Violet Pool Treatment Lights (22 51 19)</b>		
<b>22 51 19 00-0084 Stainless Steel Ultra-Violet Pool Treatment Lights (22 51 19 00-0083)</b>		
Note: Delta ELP Amalgam Series		
22 51 19 00-0085 EA 3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	14,511.04	304.42
22 51 19 00-0086 EA 3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	15,344.65	304.42
22 51 19 00-0087 EA 3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	16,059.18	304.42
22 51 19 00-0088 EA 4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	16,565.77	322.41
22 51 19 00-0089 EA 4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	16,919.87	322.41
22 51 19 00-0090 EA 4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	20,135.17	322.41
22 51 19 00-0091 EA 6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	23,738.85	578.94
22 51 19 00-0092 EA 6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	35,243.70	578.94
22 51 19 00-0093 EA 6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	38,700.11	578.94
22 51 19 00-0094 EA 8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	41,489.93	694.54
22 51 19 00-0095 EA 8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	44,568.72	694.54
22 51 19 00-0096 EA 8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	46,718.09	694.54
22 51 19 00-0097 EA 8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	49,041.71	694.54
22 51 19 00-0098 EA 10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	52,669.98	789.46
22 51 19 00-0099 EA 10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	56,736.34	789.46
22 51 19 00-0100 EA 10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	60,802.68	789.46
22 51 19 00-0101 EA 10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	65,740.38	789.46
<b>22 51 19 00-0102 HDPE Ultra-Violet Pool Treatment Lights (22 51 19 00-0083)</b>		
Note: Delta EL Series		
22 51 19 00-0103 EA 3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing .....	7,206.18	304.42
22 51 19 00-0104 EA 3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing .....	8,019.42	304.42
22 51 19 00-0105 EA 4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing .....	8,859.81	322.41
<b>22 51 19 00-0106 In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights (22 51 19 00-0083)</b>		
Note: Delta EM Series		
22 51 19 00-0107 EA 3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	28,118.79	304.42
22 51 19 00-0108 EA 3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	28,409.22	304.42
22 51 19 00-0109 EA 6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	30,288.60	578.94
22 51 19 00-0110 EA 6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	38,386.40	578.94
22 51 19 00-0111 EA 8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	53,572.78	694.54
22 51 19 00-0112 EA 10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	60,454.14	789.46
22 51 19 00-0113 EA 12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	71,262.88	1,021.60
22 51 19 00-0114 EA 12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing .....	79,976.46	1,021.60
<b>22 51 23 Swimming Pool Equipment Controls (22 51)</b>		
<b>22 51 23 00-0001 Pool Pump Variable Frequency Drive (22 51 23)</b>		
Note: Pentair Acu Drive XS		
22 51 23 00-0002 EA 3 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01) .....	4,587.20	200.65
22 51 23 00-0003 EA 5 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01) .....	4,922.17	225.74
22 51 23 00-0004 EA 7-1/2 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01) .....	5,891.80	282.18
22 51 23 00-0005 EA 10 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01) .....	6,254.38	336.73
22 51 23 00-0006 EA 15 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01) .....	6,684.46	391.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0007 EA 20 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01).....	7,574.87	447.72
22 51 23 00-0008 EA 3 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01).....	4,593.07	200.65
22 51 23 00-0009 EA 5 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01).....	4,838.14	225.74
22 51 23 00-0010 EA 7-1/2 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01).....	5,203.85	282.18
22 51 23 00-0011 EA 10 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01).....	5,585.97	336.73
22 51 23 00-0012 EA 15 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01).....	6,588.69	391.91
22 51 23 00-0013 EA 20 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01).....	7,314.94	447.72
22 51 23 00-0014 EA 3 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01FB).....	4,883.09	200.65
22 51 23 00-0015 EA 5 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01FB).....	5,614.33	225.74
22 51 23 00-0016 EA 7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01FB).....	6,242.50	282.18
22 51 23 00-0017 EA 10 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01FB).....	6,732.81	336.73
22 51 23 00-0018 EA 15 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01FB).....	7,926.29	391.91
22 51 23 00-0019 EA 20 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01FB).....	8,936.96	447.72
22 51 23 00-0020 EA 3 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01FB).....	5,242.87	200.65
22 51 23 00-0021 EA 5 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01FB).....	5,452.99	225.74
22 51 23 00-0022 EA 7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01FB).....	5,762.27	282.18
22 51 23 00-0023 EA 10 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01FB).....	6,090.93	336.73
22 51 23 00-0024 EA 15 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01FB).....	6,951.57	391.91
22 51 23 00-0025 EA 20 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01FB).....	7,607.23	447.72
22 51 23 00-0026 EA 1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12).....	3,600.66	200.65
22 51 23 00-0027 EA 3/4 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12).....	3,660.41	200.65
22 51 23 00-0028 EA 1 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12).....	3,697.32	200.65
22 51 23 00-0029 EA 1-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12).....	3,796.77	200.65
22 51 23 00-0030 EA 2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12).....	3,947.00	200.65
22 51 23 00-0031 EA 3 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12).....	4,063.54	200.65
22 51 23 00-0032 EA 5 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12).....	4,351.01	225.74
22 51 23 00-0033 EA 7-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12).....	5,188.35	282.18
22 51 23 00-0034 EA 10 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12).....	5,552.01	336.73
22 51 23 00-0035 EA 15 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12).....	5,929.33	391.91
22 51 23 00-0036 EA 20 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12).....	6,736.98	447.72
22 51 23 00-0037 EA 25 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12).....	8,846.99	558.08
22 51 23 00-0038 EA 30 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12).....	9,766.07	614.51
22 51 23 00-0039 EA 40 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12).....	11,548.27	670.95
22 51 23 00-0040 EA 50 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12).....	13,436.80	783.82
22 51 23 00-0041 EA 60 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12).....	14,718.22	840.26
22 51 23 00-0042 EA 1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12).....	3,675.11	200.65
22 51 23 00-0043 EA 3/4 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12).....	3,752.28	200.65
22 51 23 00-0044 EA 1 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12).....	3,849.37	200.65
22 51 23 00-0045 EA 1-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12).....	3,932.83	200.65
22 51 23 00-0046 EA 2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12).....	4,017.88	200.65
22 51 23 00-0047 EA 3 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12).....	4,107.63	200.65
22 51 23 00-0048 EA 5 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12).....	4,321.09	225.74

**22 Plumbing****22 50 Pool and Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0049 EA 7-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12).....	4,638.75	282.18
22 51 23 00-0050 EA 10 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12).....	4,973.76	336.73
22 51 23 00-0051 EA 15 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12).....	6,043.66	391.91
22 51 23 00-0052 EA 20 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12).....	6,664.22	447.72
22 51 23 00-0053 EA 25 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12).....	7,348.74	558.08
22 51 23 00-0054 EA 30 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12).....	8,311.15	614.51
22 51 23 00-0055 EA 40 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12).....	9,381.97	670.95
22 51 23 00-0056 EA 50 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12).....	11,495.44	783.82
22 51 23 00-0057 EA 60 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12).....	12,628.26	840.26
22 51 23 00-0058 EA 75 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12).....	14,158.45	896.69
22 51 23 00-0059 EA 100 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12).....	16,769.22	949.99
22 51 23 00-0060 EA 125 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12).....	19,334.39	1,003.28
22 51 23 00-0061 EA 150 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12).....	20,972.53	1,122.42
22 51 23 00-0062 EA 200 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12).....	24,479.49	1,229.03
22 51 23 00-0063 EA 1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12FB).....	5,193.57	200.65
22 51 23 00-0064 EA 3/4 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12FB).....	5,253.33	200.65
22 51 23 00-0065 EA 1 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12FB).....	5,290.24	200.65
22 51 23 00-0066 EA 1-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12FB).....	5,389.69	200.65
22 51 23 00-0067 EA 2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12FB).....	5,539.92	200.65
22 51 23 00-0068 EA 3 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12FB).....	5,656.46	200.65
22 51 23 00-0069 EA 5 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12FB).....	5,943.93	225.74
22 51 23 00-0070 EA 7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12FB).....	6,600.94	282.18
22 51 23 00-0071 EA 10 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12FB).....	7,148.78	336.73
22 51 23 00-0072 EA 15 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12FB).....	8,374.18	391.91
22 51 23 00-0073 EA 20 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12FB).....	9,464.07	447.72
22 51 23 00-0074 EA 25 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12FB).....	11,142.15	558.08
22 51 23 00-0075 EA 30 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12FB).....	12,266.76	614.51
22 51 23 00-0076 EA 40 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12FB).....	15,665.43	670.95
22 51 23 00-0077 EA 50 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12FB).....	20,651.30	783.82
22 51 23 00-0078 EA 60 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12FB).....	22,695.33	840.26
22 51 23 00-0079 EA 1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12FB).....	5,170.97	200.65
22 51 23 00-0080 EA 3/4 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12FB).....	5,248.13	200.65
22 51 23 00-0081 EA 1 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12FB).....	5,345.23	200.65
22 51 23 00-0082 EA 1-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12FB).....	5,428.69	200.65
22 51 23 00-0083 EA 2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12FB).....	5,513.72	200.65
22 51 23 00-0084 EA 3 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12FB).....	5,603.49	200.65
22 51 23 00-0085 EA 5 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12FB).....	5,816.95	225.74
22 51 23 00-0086 EA 7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12FB).....	6,133.00	282.18
22 51 23 00-0087 EA 10 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12FB).....	6,468.01	336.73
22 51 23 00-0088 EA 15 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12FB).....	7,570.35	391.91
22 51 23 00-0089 EA 20 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12FB).....	8,241.11	447.72
22 51 23 00-0090 EA 25 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12FB).....	9,032.52	558.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0091 EA 30 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12FB) .....	10,179.30	614.51
22 51 23 00-0092 EA 40 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12FB) .....	12,051.73	670.95
22 51 23 00-0093 EA 50 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12FB) .....	13,868.15	783.82
22 51 23 00-0094 EA 60 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12FB) .....	15,438.24	840.26
22 51 23 00-0095 EA 75 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12FB) .....	17,923.89	896.69
22 51 23 00-0096 EA 100 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12FB) .....	23,627.45	949.99
22 51 23 00-0097 EA 125 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12FB) .....	26,136.05	1,003.28
22 51 23 00-0098 EA 150 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12FB) .....	32,829.83	1,122.42
22 51 23 00-0099 EA 200 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12FB) .....	38,571.67	1,229.03
22 51 23 00-0100 EA 380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 3 Year Extended Warranty (Pentair AD-EWW136) .....	353.88	
22 51 23 00-0101 EA 380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 3 Year Extended Warranty (Pentair AD-EWW236) .....	564.70	
22 51 23 00-0102 EA 380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 6 Year Extended Warranty (Pentair AD-EWW172) .....	624.93	
22 51 23 00-0103 EA 380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 6 Year Extended Warranty (Pentair AD-EWW272) .....	1,061.63	
22 51 23 00-0104 EA 380+ Volt AC, 50 To 125 HP, 260 Volt AC, 30 To 60 HP, 6 Year Extended Warranty (Pentair AD-EWW372) .....	2,025.38	
22 51 23 00-0105 EA 3" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4203KIT) .....	1,270.94	
22 51 23 00-0106 EA 4" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4204KIT) .....	1,328.96	
22 51 23 00-0107 EA 6" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4206KIT) .....	1,450.50	
22 51 23 00-0108 EA 8" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4208KIT) .....	1,556.00	
22 51 23 00-0109 EA 3" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-03KIT) .....	1,817.13	
22 51 23 00-0110 EA 4" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-04KIT) .....	1,871.64	
22 51 23 00-0111 EA 6" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-06KIT) .....	1,987.62	
22 51 23 00-0112 EA 8" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-08KIT) .....	2,089.85	
22 51 23 00-0113 EA 10" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-10KIT) .....	2,497.62	
22 51 23 00-0114 EA 12" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-12KIT) .....	2,508.22	
<b>22 51 23 00-0115 Eco-Flow-E Aquatic Variable Frequency Drive And Options <small>(22 51 23)</small></b>		
<b>22 51 23 00-0116 Eco-Flow-E Aquatic Variable Frequency Drive <small>(22 51 23 00-0115)</small></b>		
22 51 23 00-0117 EA 2 HP, 480 Volt, 3 Phase, 4 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-04-12-4) .....	3,636.58	167.22
<i>For Bypass Panel, Add</i>	<i>813.82</i>	
22 51 23 00-0118 EA 3 HP, 480 Volt, 3 Phase, 6 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-06-12-4) .....	3,640.10	167.22
<i>For Bypass Panel, Add</i>	<i>813.82</i>	
22 51 23 00-0119 EA 5 HP, 480 Volt, 3 Phase, 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-4) .....	3,700.67	188.12
<i>For Bypass Panel, Add</i>	<i>813.82</i>	
22 51 23 00-0120 EA 7-1/2 HP, 480 Volt, 3 Phase, 12 Amperes, Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-4) .....	3,833.42	235.15
<i>For Bypass Panel, Add</i>	<i>813.82</i>	
22 51 23 00-0121 EA 10 HP, 480 Volt, 3 Phase, 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-4) .....	4,141.28	280.61
<i>For Bypass Panel, Add</i>	<i>813.82</i>	
22 51 23 00-0122 EA 15 HP, 480 Volt, 3 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-4) .....	4,606.15	326.60
<i>For Bypass Panel, Add</i>	<i>961.87</i>	
22 51 23 00-0123 EA 20 HP, 480 Volt, 3 Phase, 30 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-30-12-4) .....	5,430.90	373.09
<i>For Bypass Panel, Add</i>	<i>961.87</i>	
22 51 23 00-0124 EA 25 HP, 480 Volt, 3 Phase, 39 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-39-12-4) .....	5,638.95	467.15
<i>For Bypass Panel, Add</i>	<i>961.87</i>	
22 51 23 00-0125 EA 30 HP, 480 Volt, 3 Phase, 45 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-45-12-4) .....	6,753.32	513.66
<i>For Bypass Panel, Add</i>	<i>961.87</i>	
22 51 23 00-0126 EA 40 HP, 480 Volt, 3 Phase, 61 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-61-12-4) .....	6,959.04	559.65
<i>For Bypass Panel, Add</i>	<i>1,173.23</i>	
22 51 23 00-0127 EA 1/2 HP, 208/230 Volt, 1 Phase (1 HP, 208/230 Volt, 3 Phase) 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-2) .....	3,616.65	167.22
<i>For Bypass Panel, Add</i>	<i>813.82</i>	
22 51 23 00-0128 EA 1 HP, 208/230 Volt, 1 Phase (2 HP, 208/230 Volt, 3 Phase) 12 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-2) .....	3,621.34	167.22
<i>For Bypass Panel, Add</i>	<i>813.82</i>	
22 51 23 00-0129 EA 1-1/2 HP, 208/230 Volt, 1 Phase (3 HP, 208/230 Volt, 3 Phase) 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-2) .....	3,643.62	167.22
<i>For Bypass Panel, Add</i>	<i>813.82</i>	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51	23 00-0130	EA	5 HP, 208/230 Volt, 1 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-2) .....	3,719.44	188.12
			<i>For Bypass Panel, Add</i> .....	961.87	
22 51	23 00-0131	EA	3 HP, 208/230 Volt, 1 Phase (7-1/2 HP, 208/230 Volt, 3 Phase) 32 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-32-12-2) .....	4,035.12	235.15
			<i>For Bypass Panel, Add</i> .....	961.87	
22 51	23 00-0132	EA	5 HP, 208/230 Volt, 1 Phase (10 HP, 208/230 Volt, 3 Phase) 46 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-46-12-2) .....	4,495.42	280.61
			<i>For Bypass Panel, Add</i> .....	961.87	
22 51	23 00-0133	EA	7-1/2 HP, 208/230 Volt, 1 Phase (15 HP, 208/230 Volt, 3 Phase) 60 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-60-12-2) .....	5,327.32	326.60
			<i>For Bypass Panel, Add</i> .....	1,173.23	
22 51	23 00-0134	EA	10 HP, 208/230 Volt, 1 Phase (20 HP, 208/230 Volt, 3 Phase) 74 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-74-12-2) .....	5,442.62	373.09
			<i>For Bypass Panel, Add</i> .....	1,173.23	
22 51	23 00-0135	EA	25 HP, 208/230 Volt, 1 Phase, 88 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-88-12-2) .....	6,643.90	467.15
			<i>For Bypass Panel, Add</i> .....	1,600.37	
22 51	23 00-0136	EA	15 HP, 208/230 Volt, 1 Phase (30 HP, 208/230 Volt, 3 Phase) 124 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-124-12-2) .....	6,851.82	513.66
			<i>For Bypass Panel, Add</i> .....	2,212.78	
<b>22 51 23 00-0137 Eco-Flow-E Aquatic Variable Frequency Drive Options (22 51 23 00-0115)</b>					
22 51	23 00-0138	EA	0 To 30 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-30) .....	490.56	78.38
22 51	23 00-0139	EA	0 To 100 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-100) .....	490.56	78.38
22 51	23 00-0140	EA	Lightning Arrestor (H2Flow LA) .....	524.32	52.25
22 51	23 00-0141	EA	2 HP, 480 Volt, (3/4 HP, 208/230 Volt) Load Reactor (TCI V1K4A00) .....	595.83	23.51
22 51	23 00-0142	EA	3 HP, 480 Volt, (1 To 1-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K6A00) .....	615.12	26.13
22 51	23 00-0143	EA	5 HP, 480 Volt, (2 HP, 208/230 Volt) Load Reactor (TCI V1K8A00) .....	629.73	28.74
22 51	23 00-0144	EA	7-1/2 HP, 480 Volt, (3 HP, 208/230 Volt) Load Reactor (TCI V1K12A00) .....	657.24	31.35
22 51	23 00-0145	EA	10 HP, 480 Volt, (5 HP, 208/230 Volt) Load Reactor (TCI V1K16A00) .....	669.49	33.96
22 51	23 00-0146	EA	15 HP, 480 Volt, (7-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K25A00) .....	875.25	36.58
22 51	23 00-0147	EA	20 HP, 480 Volt, Load Reactor (TCI V1K27A00) .....	912.13	39.19
22 51	23 00-0148	EA	25 HP, 480 Volt, (10 HP, 208/230 Volt) Load Reactor (TCI V1K35A00) .....	952.53	41.81
22 51	23 00-0149	EA	30 HP, 480 Volt, (15 HP, 208/230 Volt) Load Reactor (TCI V1K45A00) .....	991.77	44.42
22 51	23 00-0150	EA	40 HP, 480 Volt, (20 HP, 208/230 Volt) Load Reactor (TCI V1K55A00) .....	1,026.31	47.03
22 51	23 00-0151	EA	25 To 30 HP, 208/230 Volt, Load Reactor (TCI V1K80A00) .....	1,413.81	49.64
22 51	23 00-0152	EA	1 HP, 208/230 Volt, Line Reactor (TCI KDRA25L) .....	177.72	26.13
22 51	23 00-0153	EA	2 HP, 208/230 Volt, Line Reactor (TCI KDRA27L) .....	189.99	28.74
22 51	23 00-0154	EA	3 HP, 208/230 Volt, Line Reactor (TCI KDRA28L) .....	212.81	31.35
22 51	23 00-0155	EA	5 HP, 208/230 Volt, Line Reactor (TCI KDRB22L) .....	281.35	33.96
22 51	23 00-0156	EA	7-1/2 HP, 208/230 Volt, Line Reactor (TCI KDRB23L) .....	315.90	36.58
22 51	23 00-0157	EA	10 HP, 208/230 Volt, Line Reactor (TCI KDRD25L) .....	326.98	39.19
22 51	23 00-0158	EA	15 HP, 208/230 Volt, Line Reactor (TCI KDRD24L) .....	338.06	41.81
22 51	23 00-0159	EA	20 HP, 208/230 Volt, Line Reactor (TCI KDRD26L) .....	358.55	44.42
22 51	23 00-0160	EA	25 HP, 208/230 Volt, Line Reactor (TCI KDRC22L) .....	455.23	47.03
22 51	23 00-0161	EA	30 HP, 208/230 Volt, Line Reactor (TCI KDRF24L) .....	467.49	49.64
22 51	23 00-0162	EA	1 HP, 480 Volt, Line Reactor (TCI KDRA8L) .....	178.90	26.13
22 51	23 00-0163	EA	2 HP, 480 Volt, Line Reactor (TCI KDRA1L) .....	197.02	28.74
22 51	23 00-0164	EA	3 HP, 480 Volt, Line Reactor (TCI KDRA2L) .....	216.33	31.35
22 51	23 00-0165	EA	5 HP, 480 Volt, Line Reactor (TCI KDRA3L) .....	227.41	33.96
22 51	23 00-0166	EA	7-1/2 HP, 480 Volt, Line Reactor (TCI KDRA4L) .....	237.33	36.58
22 51	23 00-0167	EA	10 HP, 480 Volt, Line Reactor (TCI KDRA5L) .....	298.84	39.19
22 51	23 00-0168	EA	15 HP, 480 Volt, Line Reactor (TCI KDRB2L) .....	311.09	41.81
22 51	23 00-0169	EA	20 HP, 480 Volt, Line Reactor (TCI KDRB1L) .....	326.89	44.42
22 51	23 00-0170	EA	25 HP, 480 Volt, Line Reactor (TCI KDRD1L) .....	337.97	47.03
22 51	23 00-0171	EA	30 HP, 480 Volt, Line Reactor (TCI KDRD2L) .....	408.86	49.64
22 51	23 00-0172	EA	40 HP, 480 Volt, Line Reactor (TCI KDRC1L) .....	445.75	52.25
22 51	23 00-0173	EA	Models 04 To 30, 304 SS Metric To English Conduit Adaptor Kit .....	73.01	
22 51	23 00-0174	EA	Models 32 To 46, 304 SS Metric To English Conduit Adaptor Kit .....	99.85	
22 51	23 00-0175	EA	Models 60 To 74, 304 SS Metric To English Conduit Adaptor Kit .....	124.35	
<b>22 51 23 00-0176 Pool Flow Meters (22 51 23)</b>					
22 51	23 00-0177	EA	20 To 110 GPM, 1-1/2" Retrofit Kit FlowVis For Existing Jandy Or Praher Valve Flow Meter (H2Flow FVJ-R-15) .....	130.99	19.53
22 51	23 00-0178	EA	20 To 110 GPM, 2" x 2-1/2" Retrofit Kit FlowVis For Existing Jandy® Or Praher Valve Flow Meter (H2Flow FVJ-R) .....	130.99	19.53
22 51	23 00-0179	EA	20 To 110 GPM, 1-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C-15) .....	203.64	36.61
22 51	23 00-0180	EA	20 To 110 GPM, 2" x 2-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C) .....	170.05	39.05
<b>22 51 23 00-0181 Paddlewheel Flow Sensors (22 51 23)</b>					
22 51	23 00-0182	EA	1/2" To 4" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-PO) .....	877.69	60.35
			Note: Includes 25' of cable (extendable to 200').		
22 51	23 00-0183	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-PO) .....	1,169.68	60.35
22 51	23 00-0184	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-PO) .....	1,169.68	60.35
22 51	23 00-0185	EA	1/2" To 4" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-PO) .....	1,215.41	60.35
22 51	23 00-0186	EA	1/2" To 4" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-PO) .....	1,264.66	60.35





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0187 EA 1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-TO).....	1,357.89	60.35
22 51 23 00-0188 EA 1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-TO).....	1,357.89	60.35
22 51 23 00-0189 EA 1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-TO).....	1,415.93	60.35
22 51 23 00-0190 EA 1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-TO).....	1,472.22	60.35
22 51 23 00-0191 EA >4" To 8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P1).....	918.15	60.35
Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0192 EA >4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-P1).....	1,215.41	60.35
22 51 23 00-0193 EA >4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-P1).....	1,215.41	60.35
22 51 23 00-0194 EA >4" To 8" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-P1).....	1,264.66	60.35
22 51 23 00-0195 EA >4" To 8" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-P1).....	1,310.39	60.35
22 51 23 00-0196 EA >8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P2).....	955.08	60.35
Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0197 EA 2" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S020).....	299.15	
22 51 23 00-0198 EA 4" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S040).....	413.53	
22 51 23 00-0199 EA 6" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S060).....	508.56	
22 51 23 00-0200 EA 8" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S080).....	624.71	
22 51 23 00-0201 EA 10" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S100).....	827.02	
22 51 23 00-0202 EA 12" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S120).....	837.62	
22 51 23 00-0203 EA 24 Volt DC, Power Supply 7.5 Watt, 300 mA (Signet 7300-7524).....	287.64	16.72
22 51 23 00-0204 EA 24 Volt DC, Power Supply 15 Watt, 600 mA (Signet 7300-1524).....	398.45	16.72
22 51 23 00-0205 EA 24 Volt DC, 30 Watt, 1.3 Amperes, Power Supply (Signet 7300-3024).....	493.44	16.72
22 51 23 00-0206 EA 24 Volt DC, 50 Watt, 2.1 Amperes, Power Supply (Signet 7300-5024).....	627.12	16.72
22 51 23 00-0207 EA 24 Volt DC, 100 Watt, 4.2 Amperes, Power Supply (Signet 7300-1024).....	873.37	16.72

## 22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities <sup>(22)</sup>

### 22 63 Gas Systems for Laboratory and Healthcare Facilities <sup>(22 60)</sup>

#### 22 63 13 Gas Piping for Laboratory and Healthcare Facilities <sup>(22 63)</sup>

##### 22 63 13 53 Laboratory Gas Piping <sup>(22 63 13)</sup>

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2206 for PVC piping.

### 22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities <sup>(22 60)</sup>

#### 22 66 53 Laboratory Chemical-Waste and Vent Piping <sup>(22 66)</sup>

##### 22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <sup>(22 66 53)</sup>

##### 22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fusable Fittings <sup>(22 66 53 00-0001)</sup>

##### 22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe <sup>(22 66 53 00-0002)</sup>

22 66 53 00-0004 LF 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	18.78	5.56
<i>For Work In Restricted Working Space, Add</i>		
	2.51	
<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>		
	4.63	
<i>For Schedule 80, Add</i>		
	5.41	
22 66 53 00-0005 LF 2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	23.51	6.25
<i>For Work In Restricted Working Space, Add</i>		
	2.83	
<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>		
	6.26	
<i>For Schedule 80, Add</i>		
	7.32	
22 66 53 00-0006 LF 3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	39.06	9.08
<i>For Work In Restricted Working Space, Add</i>		
	4.10	
<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>		
	11.30	
<i>For Schedule 80, Add</i>		
	13.21	
22 66 53 00-0007 LF 4" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	53.81	11.81
<i>For Work In Restricted Working Space, Add</i>		
	5.33	
<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>		
	16.05	
<i>For Schedule 80, Add</i>		
	18.75	
22 66 53 00-0008 LF 6" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	91.03	17.38
<i>For Work In Restricted Working Space, Add</i>		
	7.81	
<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>		
	28.92	
<i>For Schedule 80, Add</i>		
	33.79	

##### 22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fusable 1/4 Bends <sup>(22 66 53 00-0002)</sup>

22 66 53 00-0010 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fusable 1/4 Bend.....	73.45	20.99
<i>For Work In Restricted Working Space, Add</i>		
	9.45	
22 66 53 00-0011 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fusable 1/4 Bend.....	93.65	27.73
<i>For Work In Restricted Working Space, Add</i>		
	12.47	
22 66 53 00-0012 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fusable 1/4 Bend.....	136.09	31.73
<i>For Work In Restricted Working Space, Add</i>		
	14.29	

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0013	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	203.80	41.99
			<i>For Work In Restricted Working Space, Add</i>	18.90	
22 66 53 00-0014	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	439.06	62.01
			<i>For Work In Restricted Working Space, Add</i>	27.90	
<b>22 66 53 00-0015</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends (22 66 53 00-0002)</b>		
22 66 53 00-0016	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	72.74	20.99
			<i>For Work In Restricted Working Space, Add</i>	9.45	
22 66 53 00-0017	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	91.76	27.73
			<i>For Work In Restricted Working Space, Add</i>	12.47	
22 66 53 00-0018	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	139.71	31.73
			<i>For Work In Restricted Working Space, Add</i>	14.29	
22 66 53 00-0019	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	167.41	41.99
			<i>For Work In Restricted Working Space, Add</i>	18.90	
22 66 53 00-0020	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	382.66	62.01
			<i>For Work In Restricted Working Space, Add</i>	27.90	
<b>22 66 53 00-0021</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees (22 66 53 00-0002)</b>		
22 66 53 00-0022	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	119.44	44.92
			<i>For Work In Restricted Working Space, Add</i>	20.20	
22 66 53 00-0023	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	147.34	56.63
			<i>For Work In Restricted Working Space, Add</i>	25.47	
22 66 53 00-0024	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	217.88	62.01
			<i>For Work In Restricted Working Space, Add</i>	27.90	
22 66 53 00-0025	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	309.08	81.43
			<i>For Work In Restricted Working Space, Add</i>	36.62	
22 66 53 00-0026	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	567.22	130.25
			<i>For Work In Restricted Working Space, Add</i>	58.58	
<b>22 66 53 00-0027</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees (22 66 53 00-0002)</b>		
22 66 53 00-0028	EA		2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	147.25	56.63
			<i>For Work In Restricted Working Space, Add</i>	25.47	
22 66 53 00-0029	EA		3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	209.16	62.01
			<i>For Work In Restricted Working Space, Add</i>	27.90	
22 66 53 00-0030	EA		3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	201.41	62.01
			<i>For Work In Restricted Working Space, Add</i>	27.90	
22 66 53 00-0031	EA		4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	289.20	81.43
			<i>For Work In Restricted Working Space, Add</i>	36.62	
22 66 53 00-0032	EA		4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	296.70	81.43
			<i>For Work In Restricted Working Space, Add</i>	36.62	
22 66 53 00-0033	EA		6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	511.87	130.25
			<i>For Work In Restricted Working Space, Add</i>	58.58	
<b>22 66 53 00-0034</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug (22 66 53 00-0002)</b>		
22 66 53 00-0035	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	144.89	44.92
			<i>For Work In Restricted Working Space, Add</i>	20.20	
22 66 53 00-0036	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	153.48	56.63
			<i>For Work In Restricted Working Space, Add</i>	25.47	
22 66 53 00-0037	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	236.71	62.01
			<i>For Work In Restricted Working Space, Add</i>	27.90	
22 66 53 00-0038	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	317.76	81.43
			<i>For Work In Restricted Working Space, Add</i>	36.62	
22 66 53 00-0039	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	459.89	130.25
			<i>For Work In Restricted Working Space, Add</i>	58.58	
<b>22 66 53 00-0040</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes (22 66 53 00-0002)</b>		
22 66 53 00-0041	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	133.72	44.92
			<i>For Work In Restricted Working Space, Add</i>	20.20	
22 66 53 00-0042	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	160.56	56.63
			<i>For Work In Restricted Working Space, Add</i>	25.47	
22 66 53 00-0043	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	225.76	62.01
			<i>For Work In Restricted Working Space, Add</i>	27.90	
22 66 53 00-0044	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	315.61	81.43
			<i>For Work In Restricted Working Space, Add</i>	36.62	
22 66 53 00-0045	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	686.63	130.25
			<i>For Work In Restricted Working Space, Add</i>	58.58	
<b>22 66 53 00-0046</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes (22 66 53 00-0002)</b>		
22 66 53 00-0047	EA		2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	178.04	56.63
			<i>For Work In Restricted Working Space, Add</i>	25.47	
22 66 53 00-0048	EA		3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	216.79	62.01
			<i>For Work In Restricted Working Space, Add</i>	27.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0049 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	216.79 27.90	62.01
22 66 53 00-0050 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	307.86 36.62	81.43
22 66 53 00-0051 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	307.86 36.62	81.43
22 66 53 00-0052 EA 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	583.77 58.58	130.25
22 66 53 00-0053 EA 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	589.79 58.58	130.25
22 66 53 00-0054 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	514.40 58.58	130.25
<b>22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses (22 66 53 00-0002)</b>		
22 66 53 00-0056 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross ..... <i>For Work In Restricted Working Space, Add</i>	165.85 25.25	56.14
22 66 53 00-0057 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	203.99 31.84	70.79
22 66 53 00-0058 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	312.02 34.87	77.53
22 66 53 00-0059 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	445.74 45.77	101.74
22 66 53 00-0060 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	827.15 73.23	162.77
<b>22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends (22 66 53 00-0002)</b>		
22 66 53 00-0062 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	114.79 20.20	44.92
22 66 53 00-0063 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	154.23 25.47	56.63
22 66 53 00-0064 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	181.70 27.90	62.01
22 66 53 00-0065 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	260.01 36.62	81.43
22 66 53 00-0066 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	133.60 25.47	56.63
22 66 53 00-0067 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	173.40 27.90	62.01
22 66 53 00-0068 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	176.73 27.90	62.01
22 66 53 00-0069 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	247.67 36.62	81.43
22 66 53 00-0070 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	249.77 36.62	81.43
<b>22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps (22 66 53 00-0002)</b>		
22 66 53 00-0072 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap..... <i>For Work In Restricted Working Space, Add</i>	137.63 23.43	52.14
22 66 53 00-0073 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	184.66 30.83	68.55
22 66 53 00-0074 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	300.56 41.85	93.05
22 66 53 00-0075 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	448.20 53.26	118.44
<b>22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters (22 66 53 00-0002)</b>		
22 66 53 00-0077 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	71.47 9.45	20.99
22 66 53 00-0078 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter ..... <i>For Work In Restricted Working Space, Add</i>	83.21 12.47	27.73
22 66 53 00-0079 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter ..... <i>For Work In Restricted Working Space, Add</i>	99.19 14.29	31.73
22 66 53 00-0080 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter ..... <i>For Work In Restricted Working Space, Add</i>	137.29 18.90	41.99
22 66 53 00-0081 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter ..... <i>For Work In Restricted Working Space, Add</i>	204.28 27.90	62.01
<b>22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters (22 66 53 00-0002)</b>		
22 66 53 00-0083 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	66.46 9.45	20.99
22 66 53 00-0084 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	87.00 12.47	27.73
22 66 53 00-0085 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	106.14 14.29	31.73

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities**

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0086 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	144.12 18.90	41.99
<b>22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings (22 66 53 00-0002)</b>		
22 66 53 00-0088 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	60.23 9.45	20.99
22 66 53 00-0089 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	75.80 12.47	27.73
22 66 53 00-0090 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	89.20 14.29	31.73
22 66 53 00-0091 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	117.96 18.90	41.99
22 66 53 00-0092 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	172.90 27.90	62.01
<b>22 66 53 00-0093 Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)</b>		
<b>22 66 53 00-0094 Glass Acid Resistant DWV Pipe (22 66 53 00-0093)</b>		
22 66 53 00-0095 LF 1-1/2" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	22.00 3.22	5.37
22 66 53 00-0096 LF 2" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	27.04 3.51	5.86
22 66 53 00-0097 LF 3" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	37.52 4.94	8.21
22 66 53 00-0098 LF 4" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	59.59 6.39	10.65
22 66 53 00-0099 LF 6" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	97.71 8.72	14.55
<b>22 66 53 00-0100 Glass Acid Resistant DWV 90 Or 60 Degree Sweeps (22 66 53 00-0093)</b>		
22 66 53 00-0101 EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	71.70 14.33	23.92
22 66 53 00-0102 EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	80.90 15.20	25.38
22 66 53 00-0103 EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	107.41 17.28	28.80
22 66 53 00-0104 EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	155.67 22.85	38.08
22 66 53 00-0105 EA 6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	347.78 31.64	52.72
<b>22 66 53 00-0106 Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps (22 66 53 00-0093)</b>		
22 66 53 00-0107 EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	71.89 14.38	24.02
22 66 53 00-0108 EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	80.51 15.08	25.09
22 66 53 00-0109 EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	107.21 17.22	28.71
22 66 53 00-0110 EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	155.67 22.85	38.08
22 66 53 00-0111 EA 6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	347.76 31.63	52.72
<b>22 66 53 00-0112 Glass Acid Resistant DWV 90 Or 60 Degree Bends (22 66 53 00-0093)</b>		
22 66 53 00-0113 EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	72.55 14.38	24.02
22 66 53 00-0114 EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	81.30 15.08	25.09
22 66 53 00-0115 EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	108.58 17.22	28.71
22 66 53 00-0116 EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	155.67 22.85	38.08
<b>22 66 53 00-0117 Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends (22 66 53 00-0093)</b>		
22 66 53 00-0118 EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	72.55 14.38	24.02
22 66 53 00-0119 EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	81.30 15.08	25.09
22 66 53 00-0120 EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	108.58 17.22	28.71
22 66 53 00-0121 EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	155.67 22.85	38.08
<b>22 66 53 00-0122 Glass Acid Resistant DWV 90 Degree Bends With Long Leg (22 66 53 00-0093)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0123 EA 1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg..... <i>For Work In Restricted Working Space, Add</i>	81.88 14.38	24.02
22 66 53 00-0124 EA 2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg..... <i>For Work In Restricted Working Space, Add</i>	94.71 15.08	25.09
<b>22 66 53 00-0125 Glass Acid Resistant DWV Double Quarter Bends</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0126 EA 1-1/2" Glass Acid Resistant DWV Double Quarter Bend..... <i>For Work In Restricted Working Space, Add</i>	114.72 21.58	35.93
22 66 53 00-0127 EA 2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend..... <i>For Work In Restricted Working Space, Add</i>	139.18 22.32	37.20
22 66 53 00-0128 EA 2" Glass Acid Resistant DWV Double Quarter Bend..... <i>For Work In Restricted Working Space, Add</i>	131.58 22.63	37.69
22 66 53 00-0129 EA 3" Glass Acid Resistant DWV Double Quarter Bend..... <i>For Work In Restricted Working Space, Add</i>	173.16 25.84	43.06
22 66 53 00-0130 EA 4" Glass Acid Resistant DWV Double Quarter Bend..... <i>For Work In Restricted Working Space, Add</i>	276.97 34.27	57.12
22 66 53 00-0131 EA 6" Glass Acid Resistant DWV Double Quarter Bend..... <i>For Work In Restricted Working Space, Add</i>	419.44 47.46	79.09
<b>22 66 53 00-0132 Glass Acid Resistant DWV Sanitary Tees</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0133 EA 1-1/2" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	110.87 21.68	36.13
22 66 53 00-0134 EA 2" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	113.79 22.55	37.59
22 66 53 00-0135 EA 3" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	143.52 25.78	42.96
22 66 53 00-0136 EA 4" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	217.56 34.27	57.12
22 66 53 00-0137 EA 6" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	434.98 47.45	79.09
<b>22 66 53 00-0138 Glass Acid Resistant DWV Reducing Sanitary Tees</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0139 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	112.81 22.26	37.11
22 66 53 00-0140 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	131.96 24.32	40.52
22 66 53 00-0141 EA 3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	139.20 24.90	41.50
22 66 53 00-0142 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	177.59 30.17	50.28
22 66 53 00-0143 EA 4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	184.92 30.47	50.78
22 66 53 00-0144 EA 4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	193.54 31.34	52.24
22 66 53 00-0145 EA 6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	325.14 39.26	65.42
22 66 53 00-0146 EA 6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	348.35 40.13	66.88
22 66 53 00-0147 EA 6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	359.22 43.06	71.76
<b>22 66 53 00-0148 Glass Acid Resistant DWV Double Sanitary Tees</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0149 EA 1-1/2" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	154.92 28.71	47.84
22 66 53 00-0150 EA 2" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	159.78 30.17	50.28
22 66 53 00-0151 EA 3" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	202.24 34.56	57.61
22 66 53 00-0152 EA 4" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	319.11 45.69	76.16
22 66 53 00-0153 EA 6" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	551.09 63.28	105.45
<b>22 66 53 00-0154 Glass Acid Resistant DWV Reducing Double Sanitary Tees</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0155 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	157.83 29.58	49.30
22 66 53 00-0156 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	179.72 31.64	52.72
22 66 53 00-0157 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	188.69 32.22	53.70
22 66 53 00-0158 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	264.90 37.20	62.01
22 66 53 00-0159 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	263.62 38.08	63.47
22 66 53 00-0160 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	282.21 40.14	66.88
22 66 53 00-0161 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	367.77 46.86	78.11

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0162	EA		6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	397.86 48.91	81.53
22 66 53 00-0163	EA		6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	449.69 54.47	90.81
<b>22 66 53 00-0164</b>			<b>Glass Acid Resistant DWV Tees</b> (22 66 53 00-0093)		
22 66 53 00-0165	EA		2" x 1-1/2" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	120.03 21.68	36.13
22 66 53 00-0166	EA		2" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	122.95 22.55	37.59
22 66 53 00-0167	EA		3" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	154.89 25.78	42.96
22 66 53 00-0168	EA		4" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	235.41 34.27	57.12
22 66 53 00-0169	EA		6" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	456.41 47.46	79.09
<b>22 66 53 00-0170</b>			<b>Glass Acid Resistant DWV Reducing Tees</b> (22 66 53 00-0093)		
22 66 53 00-0171	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	121.96 22.26	37.11
22 66 53 00-0172	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	141.52 24.32	40.52
22 66 53 00-0173	EA		3" x 2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	144.84 24.90	41.50
22 66 53 00-0174	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	179.69 30.17	50.28
22 66 53 00-0175	EA		4" x 2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	183.93 30.46	50.78
22 66 53 00-0176	EA		4" x 3" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	215.03 31.35	52.24
22 66 53 00-0177	EA		6" x 3" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	387.60 40.13	66.88
22 66 53 00-0178	EA		6" x 4" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	405.14 43.05	71.76
<b>22 66 53 00-0179</b>			<b>Glass Acid Resistant DWV Test Tees With Cleanout</b> (22 66 53 00-0093)		
22 66 53 00-0180	EA		1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	135.74 21.68	36.13
22 66 53 00-0181	EA		2" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	149.58 22.55	37.59
22 66 53 00-0182	EA		3" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	188.46 25.78	42.96
22 66 53 00-0183	EA		4" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	311.91 34.27	57.12
22 66 53 00-0184	EA		6" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	456.41 47.46	79.09
<b>22 66 53 00-0185</b>			<b>Glass Acid Resistant DWV Wyes</b> (22 66 53 00-0093)		
22 66 53 00-0186	EA		1-1/2" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	112.83 21.68	36.13
22 66 53 00-0187	EA		2" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	115.75 22.55	37.59
22 66 53 00-0188	EA		3" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	151.36 25.78	42.96
22 66 53 00-0189	EA		4" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	226.32 34.27	57.12
22 66 53 00-0190	EA		6" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	428.99 47.46	79.09
<b>22 66 53 00-0191</b>			<b>Glass Acid Resistant DWV Reducing Wyes</b> (22 66 53 00-0093)		
22 66 53 00-0192	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	114.76 22.26	37.11
22 66 53 00-0193	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	136.02 24.32	40.52
22 66 53 00-0194	EA		3" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	139.67 24.90	41.50
22 66 53 00-0195	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	185.45 30.17	50.28
22 66 53 00-0196	EA		4" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	187.20 30.46	50.78
22 66 53 00-0197	EA		4" x 3" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	201.29 31.35	52.24
22 66 53 00-0198	EA		6" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	316.60 39.25	65.42
22 66 53 00-0199	EA		6" x 3" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	360.38 40.13	66.88
22 66 53 00-0200	EA		6" x 4" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	391.00 43.05	71.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0202 EA 1-1/2" Glass Acid Resistant DWV Double Wye .....	174.67	47.84
For Work In Restricted Working Space, Add	28.70	
22 66 53 00-0203 EA 2" Glass Acid Resistant DWV Double Wye.....	179.56	50.28
For Work In Restricted Working Space, Add	30.17	
22 66 53 00-0204 EA 3" Glass Acid Resistant DWV Double Wye.....	232.93	57.61
For Work In Restricted Working Space, Add	34.56	
22 66 53 00-0205 EA 4" Glass Acid Resistant DWV Double Wye.....	350.43	76.16
For Work In Restricted Working Space, Add	45.68	
22 66 53 00-0206 EA 6" Glass Acid Resistant DWV Double Wye.....	568.05	105.45
For Work In Restricted Working Space, Add	63.29	
<b>22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0208 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye .....	177.58	49.30
For Work In Restricted Working Space, Add	29.58	
22 66 53 00-0209 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye .....	184.43	52.72
For Work In Restricted Working Space, Add	31.63	
22 66 53 00-0210 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Wye.....	207.84	53.70
For Work In Restricted Working Space, Add	32.22	
22 66 53 00-0211 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye .....	252.62	62.01
For Work In Restricted Working Space, Add	37.21	
22 66 53 00-0212 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Wye.....	265.20	63.47
For Work In Restricted Working Space, Add	38.08	
22 66 53 00-0213 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Wye.....	306.19	66.88
For Work In Restricted Working Space, Add	40.13	
22 66 53 00-0214 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Wye.....	454.87	78.11
For Work In Restricted Working Space, Add	46.85	
22 66 53 00-0215 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Wye.....	477.11	81.53
For Work In Restricted Working Space, Add	48.92	
22 66 53 00-0216 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Wye.....	512.74	90.81
For Work In Restricted Working Space, Add	54.49	
<b>22 66 53 00-0217 Glass Acid Resistant DWV Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0218 EA 1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend .....	123.19	36.13
For Work In Restricted Working Space, Add	21.68	
22 66 53 00-0219 EA 2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend .....	126.55	37.59
For Work In Restricted Working Space, Add	22.55	
22 66 53 00-0220 EA 3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend .....	157.77	42.96
For Work In Restricted Working Space, Add	25.78	
22 66 53 00-0221 EA 4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend .....	229.66	57.12
For Work In Restricted Working Space, Add	34.27	
22 66 53 00-0222 EA 6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend .....	419.63	79.09
For Work In Restricted Working Space, Add	47.46	
<b>22 66 53 00-0223 Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0224 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	125.56	37.11
For Work In Restricted Working Space, Add	22.26	
22 66 53 00-0225 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	137.66	40.52
For Work In Restricted Working Space, Add	24.32	
22 66 53 00-0226 EA 3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	146.21	41.50
For Work In Restricted Working Space, Add	24.90	
22 66 53 00-0227 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	181.52	50.28
For Work In Restricted Working Space, Add	30.17	
22 66 53 00-0228 EA 4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	188.05	50.78
For Work In Restricted Working Space, Add	30.46	
22 66 53 00-0229 EA 4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	202.27	52.24
For Work In Restricted Working Space, Add	31.35	
22 66 53 00-0230 EA 6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	317.19	65.42
For Work In Restricted Working Space, Add	39.25	
22 66 53 00-0231 EA 6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	354.68	66.88
For Work In Restricted Working Space, Add	40.13	
22 66 53 00-0232 EA 6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	364.83	71.76
For Work In Restricted Working Space, Add	43.05	
<b>22 66 53 00-0233 Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0234 EA 1-1/2" Double Glass Combination Wye And 1/8 Bend .....	164.85	47.84
For Work In Restricted Working Space, Add	28.70	
22 66 53 00-0235 EA 2" Double Glass Combination Wye And 1/8 Bend .....	187.80	50.28
For Work In Restricted Working Space, Add	30.17	
22 66 53 00-0236 EA 3" Double Glass Combination Wye And 1/8 Bend .....	245.36	57.61
For Work In Restricted Working Space, Add	34.56	
22 66 53 00-0237 EA 4" Double Glass Combination Wye And 1/8 Bend .....	379.36	76.16
For Work In Restricted Working Space, Add	45.68	
22 66 53 00-0238 EA 6" Double Glass Combination Wye And 1/8 Bend .....	614.21	105.45
For Work In Restricted Working Space, Add	63.29	

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0239	<b>Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends</b> (22 66 53 00-0093)		
22 66 53 00-0240	EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	169.26	49.30
	<i>For Work In Restricted Working Space, Add</i>	29.58	
22 66 53 00-0241	EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	207.59	52.72
	<i>For Work In Restricted Working Space, Add</i>	31.63	
22 66 53 00-0242	EA 3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	205.75	53.70
	<i>For Work In Restricted Working Space, Add</i>	32.22	
22 66 53 00-0243	EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	268.72	62.01
	<i>For Work In Restricted Working Space, Add</i>	37.21	
22 66 53 00-0244	EA 4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	267.76	63.47
	<i>For Work In Restricted Working Space, Add</i>	38.08	
22 66 53 00-0245	EA 4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	297.10	66.88
	<i>For Work In Restricted Working Space, Add</i>	40.13	
22 66 53 00-0246	EA 6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	412.70	78.11
	<i>For Work In Restricted Working Space, Add</i>	46.85	
22 66 53 00-0247	EA 6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	438.50	81.53
	<i>For Work In Restricted Working Space, Add</i>	48.92	
22 66 53 00-0248	EA 6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	508.16	90.81
	<i>For Work In Restricted Working Space, Add</i>	54.49	
22 66 53 00-0249	<b>Glass Acid Resistant DWV Partition Crosses (Compact)</b> (22 66 53 00-0093)		
22 66 53 00-0250	EA 2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact).....	182.35	49.30
	<i>For Work In Restricted Working Space, Add</i>	29.58	
22 66 53 00-0251	EA 2" Glass Acid Resistant DWV Partition Cross (Compact).....	184.33	50.28
	<i>For Work In Restricted Working Space, Add</i>	30.17	
22 66 53 00-0252	EA 2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact).....	193.57	48.82
	<i>For Work In Restricted Working Space, Add</i>	29.29	
22 66 53 00-0253	<b>Glass Acid Resistant DWV Upright Y Or H (Vent Branch)</b> (22 66 53 00-0093)		
22 66 53 00-0254	EA 1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch).....	170.03	36.13
	<i>For Work In Restricted Working Space, Add</i>	21.68	
22 66 53 00-0255	EA 2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch).....	185.71	37.59
	<i>For Work In Restricted Working Space, Add</i>	22.55	
22 66 53 00-0256	EA 3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch).....	213.46	42.96
	<i>For Work In Restricted Working Space, Add</i>	25.78	
22 66 53 00-0257	EA 4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch).....	308.84	57.12
	<i>For Work In Restricted Working Space, Add</i>	34.27	
22 66 53 00-0258	EA 6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch).....	559.15	79.09
	<i>For Work In Restricted Working Space, Add</i>	47.46	
22 66 53 00-0259	<b>Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)</b> (22 66 53 00-0093)		
22 66 53 00-0260	EA 2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch).....	171.56	37.11
	<i>For Work In Restricted Working Space, Add</i>	22.26	
22 66 53 00-0261	EA 3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch).....	194.52	40.52
	<i>For Work In Restricted Working Space, Add</i>	24.32	
22 66 53 00-0262	EA 3" x 2" Reducing Glass Upright Y Or H (Vent Branch).....	205.96	41.50
	<i>For Work In Restricted Working Space, Add</i>	24.90	
22 66 53 00-0263	EA 4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch).....	240.41	50.28
	<i>For Work In Restricted Working Space, Add</i>	30.17	
22 66 53 00-0264	EA 4" x 2" Reducing Glass Upright Y Or H (Vent Branch).....	252.71	50.78
	<i>For Work In Restricted Working Space, Add</i>	30.46	
22 66 53 00-0265	EA 4" x 3" Reducing Glass Upright Y Or H (Vent Branch).....	275.04	52.24
	<i>For Work In Restricted Working Space, Add</i>	31.35	
22 66 53 00-0266	EA 6" x 3" Reducing Glass Upright Y Or H (Vent Branch).....	390.28	66.88
	<i>For Work In Restricted Working Space, Add</i>	40.13	
22 66 53 00-0267	EA 6" x 4" Reducing Glass Upright Y Or H (Vent Branch).....	441.39	71.76
	<i>For Work In Restricted Working Space, Add</i>	43.05	
22 66 53 00-0268	<b>Glass Acid Resistant DWV Reducers Or Increases</b> (22 66 53 00-0093)		
22 66 53 00-0269	EA 2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser.....	69.76	24.42
	<i>For Work In Restricted Working Space, Add</i>	14.65	
	<i>For Eccentric Reducers Or Increases, Add</i>	1.68	
22 66 53 00-0270	EA 3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser.....	83.80	26.36
	<i>For Work In Restricted Working Space, Add</i>	15.82	
	<i>For Eccentric Reducers Or Increases, Add</i>	2.49	
22 66 53 00-0271	EA 3" x 2" Glass Acid Resistant DWV Reducer Or Increaser.....	88.51	26.85
	<i>For Work In Restricted Working Space, Add</i>	16.11	
	<i>For Eccentric Reducers Or Increases, Add</i>	2.78	
22 66 53 00-0272	EA 4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser.....	111.11	31.25
	<i>For Work In Restricted Working Space, Add</i>	18.75	
	<i>For Eccentric Reducers Or Increases, Add</i>	3.89	
22 66 53 00-0273	EA 4" x 2" Glass Acid Resistant DWV Reducer Or Increaser.....	115.10	31.73
	<i>For Work In Restricted Working Space, Add</i>	19.04	
	<i>For Eccentric Reducers Or Increases, Add</i>	4.13	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0274 EA 4" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Work In Restricted Working Space, Add</i> <i>For Eccentric Reducers Or Increasers, Add</i>	122.21 19.92 4.47	33.20
22 66 53 00-0275 EA 6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Work In Restricted Working Space, Add</i> <i>For Eccentric Reducers Or Increasers, Add</i>	218.49 23.14 11.31	38.57
22 66 53 00-0276 EA 6" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Work In Restricted Working Space, Add</i> <i>For Eccentric Reducers Or Increasers, Add</i>	228.42 23.43 12.02	39.05
22 66 53 00-0277 EA 6" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Work In Restricted Working Space, Add</i> <i>For Eccentric Reducers Or Increasers, Add</i>	241.63 24.31 12.85	40.52
22 66 53 00-0278 EA 6" x 4" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Work In Restricted Working Space, Add</i> <i>For Eccentric Reducers Or Increasers, Add</i>	256.05 27.24 13.22	45.40
<b>22 66 53 00-0279 Glass Acid Resistant DWV Swivel P-Traps (22 66 53 00-0093)</b>		
22 66 53 00-0280 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	145.95 21.68	36.13
22 66 53 00-0281 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	154.89 22.26	37.11
22 66 53 00-0282 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	170.59 22.55	37.59
22 66 53 00-0283 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	155.50 21.68	36.13
22 66 53 00-0284 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	167.06 22.26	37.11
22 66 53 00-0285 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	184.33 22.55	37.59
22 66 53 00-0286 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	158.12 21.68	36.13
22 66 53 00-0287 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	167.06 22.26	37.11
22 66 53 00-0288 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	184.33 22.55	37.59
<b>22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps (22 66 53 00-0093)</b>		
22 66 53 00-0290 EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	187.83 21.68	36.13
22 66 53 00-0291 EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	229.29 22.26	37.11
22 66 53 00-0292 EA 2" Glass Acid Resistant DWV Drum P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	235.51 22.55	37.59
22 66 53 00-0293 EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	203.73 21.68	36.13
22 66 53 00-0294 EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	214.96 22.26	37.11
22 66 53 00-0295 EA 2" Glass Acid Resistant DWV Drum P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	238.58 22.55	37.59
<b>22 66 53 00-0296 Glass Acid Resistant DWV Cleanout Plugs (22 66 53 00-0093)</b>		
22 66 53 00-0297 EA 1-1/2" Glass Acid Resistant DWV Cleanout Plug ..... <i>For Work In Restricted Working Space, Add</i>	34.17 7.33	12.21
22 66 53 00-0298 EA 2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	37.68 7.61	12.69
22 66 53 00-0299 EA 3" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	45.92 8.50	14.15
22 66 53 00-0300 EA 4" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	69.75 11.42	19.04
22 66 53 00-0301 EA 6" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	98.99 15.82	26.36
<b>22 66 53 00-0302 Glass Acid Resistant DWV Sink Fittings (22 66 53 00-0093)</b>		
22 66 53 00-0303 EA 1-1/2" Glass Acid Resistant DWV Interceptor Trap..... <i>For Work In Restricted Working Space, Add</i>	375.17 28.70	47.84
22 66 53 00-0304 EA 1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly ..... <i>For Work In Restricted Working Space, Add</i>	42.55 7.33	12.21
22 66 53 00-0305 EA 1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly ..... <i>For Work In Restricted Working Space, Add</i>	46.02 7.33	12.21
22 66 53 00-0306 EA 1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings ..... <i>For Work In Restricted Working Space, Add</i>	70.28 14.65	24.42
22 66 53 00-0307 EA 3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	122.44 15.23	25.38
22 66 53 00-0308 EA 6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	123.75 15.23	25.38
22 66 53 00-0309 EA 3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings ..... <i>For Work In Restricted Working Space, Add</i>	136.83 15.23	25.38
22 66 53 00-0310 EA 3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings ..... <i>For Work In Restricted Working Space, Add</i>	115.37 15.23	25.38

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities**

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 66 53 00-0311	<b>Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters</b> (22 66 53 00-0093) Note: Includes teflon spacer.		
22 66 53 00-0312	EA 1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter .....	120.61	36.03
	<i>For Work In Restricted Working Space, Add</i>	21.62	
22 66 53 00-0313	EA 2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter .....	126.02	37.78
	<i>For Work In Restricted Working Space, Add</i>	22.67	
22 66 53 00-0314	EA 3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter .....	166.62	43.06
	<i>For Work In Restricted Working Space, Add</i>	25.84	
22 66 53 00-0315	EA 4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter .....	234.15	57.22
	<i>For Work In Restricted Working Space, Add</i>	34.30	
22 66 53 00-0316	<b>Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings</b> (22 66 53 00-0093) Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.		
22 66 53 00-0317	EA 1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	16.43	
22 66 53 00-0318	EA 2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	20.72	
22 66 53 00-0319	EA 3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	27.70	
22 66 53 00-0320	EA 4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	46.68	
22 66 53 00-0321	EA 6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping.....	108.74	
22 66 53 00-0322	<b>Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings</b> (22 66 53 00-0093) Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.		
22 66 53 00-0323	EA 1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	21.18	
22 66 53 00-0324	EA 2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	26.50	
22 66 53 00-0325	EA 3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	45.00	
22 66 53 00-0326	EA 4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	67.08	
22 66 53 00-0327	EA 6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	163.55	
22 66 53 00-0328	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings</b> (22 66 53) Note: Acid resistant. ASTM A518.		
22 66 53 00-0329	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe</b> (22 66 53 00-0328)		
22 66 53 00-0330	LF 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe .....	143.04	8.69
22 66 53 00-0331	LF 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe .....	202.46	10.84
22 66 53 00-0332	LF 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe .....	277.36	12.50
22 66 53 00-0333	LF 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe .....	457.82	17.58
22 66 53 00-0334	LF 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe .....	813.95	23.53
22 66 53 00-0335	LF 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe .....	1,449.46	29.68
22 66 53 00-0336	LF 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe .....	2,595.33	39.98
22 66 53 00-0337	LF 15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe .....	4,643.77	45.84
22 66 53 00-0338	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings</b> (22 66 53 00-0328)		
22 66 53 00-0339	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps</b> (22 66 53 00-0338)		
22 66 53 00-0340	EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	538.92	74.01
22 66 53 00-0341	EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	717.27	81.43
22 66 53 00-0342	EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	1,193.94	97.45
22 66 53 00-0343	EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	1,802.33	116.11
22 66 53 00-0344	EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	4,205.60	189.14
22 66 53 00-0345	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends</b> (22 66 53 00-0338)		
22 66 53 00-0346	EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	288.05	74.01
22 66 53 00-0347	EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	387.69	81.43
22 66 53 00-0348	EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	490.51	97.45
22 66 53 00-0349	EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	1,413.72	116.11
22 66 53 00-0350	EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	3,269.49	189.14
22 66 53 00-0351	EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	5,008.57	235.65
22 66 53 00-0352	EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	7,407.69	283.39
22 66 53 00-0353	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends</b> (22 66 53 00-0338)		
22 66 53 00-0354	EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	288.05	74.01
22 66 53 00-0355	EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	387.69	81.43
22 66 53 00-0356	EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	490.51	97.45
22 66 53 00-0357	EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,010.35	116.11
22 66 53 00-0358	EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	2,748.07	189.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0359 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	4,050.08	235.65
22 66 53 00-0360 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	5,785.12	283.39
<b>22 66 53 00-0361 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends (22 66 53 00-0338)</b>		
22 66 53 00-0362 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	288.05	74.01
22 66 53 00-0363 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	387.69	81.43
22 66 53 00-0364 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	490.28	97.35
<b>22 66 53 00-0365 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps (22 66 53 00-0338)</b>		
22 66 53 00-0366 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	415.94	74.01
22 66 53 00-0367 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	776.30	81.43
22 66 53 00-0368 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	864.36	97.45
<b>22 66 53 00-0369 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees (22 66 53 00-0338)</b>		
22 66 53 00-0370 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	402.18	110.73
22 66 53 00-0371 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	518.52	122.73
22 66 53 00-0372 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	741.19	146.56
22 66 53 00-0373 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	1,294.63	174.49
22 66 53 00-0374 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	4,169.20	283.96
22 66 53 00-0375 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	5,959.64	354.57
<b>22 66 53 00-0376 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0338)</b>		
22 66 53 00-0377 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	375.60	106.14
22 66 53 00-0378 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	446.34	113.95
22 66 53 00-0379 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	506.41	117.95
22 66 53 00-0380 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	583.89	130.25
22 66 53 00-0381 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	629.46	134.35
22 66 53 00-0382 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	699.27	138.36
22 66 53 00-0383 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	891.29	150.99
22 66 53 00-0384 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	999.61	154.88
22 66 53 00-0385 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	1,128.34	162.00
<b>22 66 53 00-0386 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees (22 66 53 00-0338)</b>		
22 66 53 00-0387 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	470.98	110.73
22 66 53 00-0388 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	577.07	122.44
22 66 53 00-0389 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	805.09	146.56
<b>22 66 53 00-0390 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees (22 66 53 00-0338)</b>		
22 66 53 00-0391 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	444.44	106.14
22 66 53 00-0392 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	566.27	118.54
22 66 53 00-0393 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	689.07	134.75
22 66 53 00-0394 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	744.15	138.75
<b>22 66 53 00-0395 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes (22 66 53 00-0338)</b>		
22 66 53 00-0396 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	397.46	110.92
22 66 53 00-0397 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	572.63	122.73
22 66 53 00-0398 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	741.01	146.46
22 66 53 00-0399 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	1,303.46	173.85
22 66 53 00-0400 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	5,280.48	283.68
<b>22 66 53 00-0401 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes (22 66 53 00-0338)</b>		
22 66 53 00-0402 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	414.92	106.14
22 66 53 00-0403 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	446.29	113.95
22 66 53 00-0404 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	473.01	118.64
22 66 53 00-0405 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	529.78	130.25
22 66 53 00-0406 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	550.99	134.55
22 66 53 00-0407 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	680.20	138.75
22 66 53 00-0408 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	944.86	151.18
22 66 53 00-0409 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,142.27	154.88
22 66 53 00-0410 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,192.29	162.00
22 66 53 00-0411 EA 8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	3,053.57	228.85
22 66 53 00-0412 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	3,305.93	236.41
22 66 53 00-0413 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	4,076.61	248.51
<b>22 66 53 00-0414 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0338)</b>		

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities**

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0415	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	490.61	110.73
22 66 53 00-0416	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	591.83	122.44
22 66 53 00-0417	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	903.48	146.56
22 66 53 00-0418	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	1,431.69	174.03
<b>22 66 53 00-0419</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0420	EA		2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	395.25	106.14
22 66 53 00-0421	EA		3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	465.97	113.95
22 66 53 00-0422	EA		3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	522.00	118.54
22 66 53 00-0423	EA		4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	564.21	130.25
22 66 53 00-0424	EA		4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	664.48	134.75
22 66 53 00-0425	EA		4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	763.78	138.65
22 66 53 00-0426	EA		6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	1,008.75	151.18
22 66 53 00-0427	EA		6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	1,284.99	154.98
22 66 53 00-0428	EA		6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	1,414.04	162.28
<b>22 66 53 00-0429</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0430	EA		2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	242.24	69.72
22 66 53 00-0431	EA		3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	267.74	73.62
22 66 53 00-0432	EA		3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	303.13	77.53
22 66 53 00-0433	EA		4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	517.49	85.93
22 66 53 00-0434	EA		4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	543.04	89.93
22 66 53 00-0435	EA		6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	588.00	96.87
22 66 53 00-0436	EA		6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	781.09	104.27
22 66 53 00-0437	EA		8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	1,142.37	141.89
22 66 53 00-0438	EA		8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	1,214.51	153.89
<b>22 66 53 00-0439</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increases</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0440	EA		2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	667.14	162.77
22 66 53 00-0441	EA		2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	922.94	162.77
22 66 53 00-0442	EA		3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	945.89	162.77
22 66 53 00-0443	EA		4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	1,037.09	216.04
<b>22 66 53 00-0444</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0445	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	829.15	74.01
22 66 53 00-0446	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	1,007.50	81.43
22 66 53 00-0447	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	1,228.37	97.45
22 66 53 00-0448	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	3,760.14	116.11
<b>22 66 53 00-0449</b>			<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0450	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	381.51	74.01
22 66 53 00-0451	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	490.99	81.43
22 66 53 00-0452	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	687.27	97.45
22 66 53 00-0453	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	891.47	116.11
22 66 53 00-0454	EA		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	1,787.53	162.00
<b>22 66 53 00-0455</b>			<b>Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings</b> <small>(22 66 53 00-0328)</small>		
Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.					
22 66 53 00-0456	LB		Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	6.03	
22 66 53 00-0457	LB		Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings .....	90.18	
<b>22 66 53 00-0458</b>			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings</b> <small>(22 66 53)</small>		
Note: ASTM A518.					
<b>22 66 53 00-0459</b>			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe</b> <small>(22 66 53 00-0458)</small>		
22 66 53 00-0460	LF		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	113.81	6.54
22 66 53 00-0461	LF		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	129.65	7.23
22 66 53 00-0462	LF		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe .....	179.54	9.08
22 66 53 00-0463	LF		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	227.27	10.54
<b>22 66 53 00-0464</b>			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings</b> <small>(22 66 53 00-0458)</small>		
<b>22 66 53 00-0465</b>			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps</b> <small>(22 66 53 00-0464)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0466 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	397.50	51.84
22 66 53 00-0467 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	427.29	58.59
22 66 53 00-0468 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	598.61	64.64
22 66 53 00-0469 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	722.22	78.11
<b>22 66 53 00-0470 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 66 53 00-0464)</small></b>		
22 66 53 00-0471 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	205.66	51.84
22 66 53 00-0472 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	249.30	58.00
22 66 53 00-0473 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	328.40	64.84
22 66 53 00-0474 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	436.03	77.53
22 66 53 00-0475 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	244.46	54.78
<b>22 66 53 00-0476 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 66 53 00-0464)</small></b>		
22 66 53 00-0477 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	205.66	51.84
22 66 53 00-0478 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	249.30	58.00
22 66 53 00-0479 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	328.40	64.84
22 66 53 00-0480 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	436.03	77.53
<b>22 66 53 00-0481 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends <small>(22 66 53 00-0464)</small></b>		
22 66 53 00-0482 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	249.93	51.84
22 66 53 00-0483 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	318.17	58.00
22 66 53 00-0484 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	510.41	64.84
22 66 53 00-0485 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	568.85	77.53
<b>22 66 53 00-0486 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 66 53 00-0464)</small></b>		
22 66 53 00-0487 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	240.09	51.84
22 66 53 00-0488 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	288.65	58.00
22 66 53 00-0489 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	466.13	64.84
22 66 53 00-0490 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	524.58	77.53
<b>22 66 53 00-0491 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends <small>(22 66 53 00-0464)</small></b>		
22 66 53 00-0492 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	362.93	78.01
<b>22 66 53 00-0493 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees <small>(22 66 53 00-0464)</small></b>		
22 66 53 00-0494 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	284.22	78.01
22 66 53 00-0495 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	358.02	87.87
22 66 53 00-0496 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	486.24	97.93
22 66 53 00-0497 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	761.13	117.27
<b>22 66 53 00-0498 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees <small>(22 66 53 00-0464)</small></b>		
22 66 53 00-0499 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	333.39	84.56
22 66 53 00-0500 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	417.06	91.20
22 66 53 00-0501 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	446.49	94.41
22 66 53 00-0502 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	475.89	104.18
22 66 53 00-0503 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	529.55	107.12
22 66 53 00-0504 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	578.70	110.33
<b>22 66 53 00-0505 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0464)</small></b>		
22 66 53 00-0506 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	284.61	78.31
22 66 53 00-0507 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	338.34	87.87
22 66 53 00-0508 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	466.56	97.93
22 66 53 00-0509 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	761.13	117.27
<b>22 66 53 00-0510 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0464)</small></b>		
22 66 53 00-0511 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	319.29	85.05
22 66 53 00-0512 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	402.28	91.10
22 66 53 00-0513 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	422.32	94.71
22 66 53 00-0514 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	476.35	104.48
22 66 53 00-0515 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	530.44	107.70
22 66 53 00-0516 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	564.35	110.62
<b>22 66 53 00-0517 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes <small>(22 66 53 00-0464)</small></b>		

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0518 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	436.74	104.28
22 66 53 00-0519 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	569.43	117.37
22 66 53 00-0520 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	745.60	129.86
22 66 53 00-0521 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	981.78	156.13
22 66 53 00-0522 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	485.35	110.43
22 66 53 00-0523 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	549.21	116.98
22 66 53 00-0524 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	667.18	123.42
22 66 53 00-0525 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	736.15	136.69
22 66 53 00-0526 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	903.96	143.63
<b>22 66 53 00-0527 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses (22 66 53 00-0464)</b>		
22 66 53 00-0528 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	495.71	104.28
22 66 53 00-0529 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	588.87	117.17
22 66 53 00-0530 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	874.60	130.54
22 66 53 00-0531 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	1,242.75	156.32
22 66 53 00-0532 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	534.49	110.43
22 66 53 00-0533 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	721.34	116.98
22 66 53 00-0534 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	760.58	123.42
22 66 53 00-0535 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	809.89	136.60
22 66 53 00-0536 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	1,055.68	143.04
<b>22 66 53 00-0537 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0464)</b>		
22 66 53 00-0538 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	323.18	77.72
22 66 53 00-0539 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	377.70	87.87
22 66 53 00-0540 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	466.56	97.93
22 66 53 00-0541 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	815.23	117.27
<b>22 66 53 00-0542 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0464)</b>		
22 66 53 00-0543 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	358.07	84.66
22 66 53 00-0544 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	402.67	91.39
22 66 53 00-0545 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	442.00	94.71
22 66 53 00-0546 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	619.01	104.48
22 66 53 00-0547 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	633.74	107.70
22 66 53 00-0548 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	716.84	110.62
<b>22 66 53 00-0549 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0464)</b>		
22 66 53 00-0550 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	529.92	104.08
22 66 53 00-0551 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	677.32	117.08
22 66 53 00-0552 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	1,006.71	130.15
22 66 53 00-0553 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	1,208.82	156.61
<b>22 66 53 00-0554 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends (22 66 53 00-0464)</b>		
22 66 53 00-0555 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	578.77	110.43
22 66 53 00-0556 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	706.56	116.87
22 66 53 00-0557 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	735.98	123.42
22 66 53 00-0558 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	819.73	136.60
22 66 53 00-0559 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	1,055.68	143.04
<b>22 66 53 00-0560 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers- Increases (22 66 53 00-0464)</b>		
22 66 53 00-0561 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	245.28	55.36
22 66 53 00-0562 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	279.68	58.59
22 66 53 00-0563 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	328.75	68.35
22 66 53 00-0564 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	402.33	64.93
22 66 53 00-0565 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	426.88	68.15
22 66 53 00-0566 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	451.43	71.37
<b>22 66 53 00-0567 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees (22 66 53 00-0464)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0568 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	230.68	45.59
22 66 53 00-0569 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	269.15	51.55
22 66 53 00-0570 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	318.68	58.39
22 66 53 00-0571 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	608.35	71.08
<b>22 66 53 00-0572 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs</b> (22 66 53 00-0464)		
22 66 53 00-0573 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	97.91	25.97
22 66 53 00-0574 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	117.27	29.00
22 66 53 00-0575 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	127.31	32.42
22 66 53 00-0576 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	166.36	38.76
<b>22 66 53 00-0577 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps</b> (22 66 53 00-0464)		
22 66 53 00-0578 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	446.23	51.55
22 66 53 00-0579 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	455.90	58.00
22 66 53 00-0580 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	569.43	64.84
22 66 53 00-0581 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	731.18	77.53
22 66 53 00-0582 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	634.01	55.46
22 66 53 00-0583 EA 2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	884.83	61.90
22 66 53 00-0584 EA 3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	1,076.43	68.35
22 66 53 00-0585 EA 4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	1,341.98	81.43
<b>22 66 53 00-0586 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps</b> (22 66 53 00-0464)		
22 66 53 00-0587 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	860.53	58.88
22 66 53 00-0588 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	1,381.53	65.13
22 66 53 00-0589 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	899.53	58.59
22 66 53 00-0590 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	1,381.53	65.13
<b>22 66 53 00-0591 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps</b> (22 66 53 00-0464)		
22 66 53 00-0592 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap.....	796.23	58.59
22 66 53 00-0593 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap.....	938.81	65.13
22 66 53 00-0594 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap.....	929.05	58.59
22 66 53 00-0595 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	2,094.80	65.13
22 66 53 00-0596 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	1,224.12	65.13
<b>22 66 53 00-0597 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends</b> (22 66 53 00-0464)		
22 66 53 00-0598 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	309.31	52.14
22 66 53 00-0599 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	412.53	58.59
<b>22 66 53 00-0600 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters</b> (22 66 53 00-0464)		
22 66 53 00-0601 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	147.13	39.05
22 66 53 00-0602 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	294.67	42.38
22 66 53 00-0603 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	201.14	48.82
<b>22 66 53 00-0604 Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter</b> (22 66 53 00-0464)		
22 66 53 00-0605 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	289.95	55.55
22 66 53 00-0606 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	319.03	58.59
22 66 53 00-0607 EA 1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	358.34	61.80
22 66 53 00-0608 EA 1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	382.61	68.15
22 66 53 00-0609 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	358.39	61.90
22 66 53 00-0610 EA 2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	377.98	65.13
22 66 53 00-0611 EA 2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	407.16	71.37
22 66 53 00-0612 EA 3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	471.45	68.35
22 66 53 00-0613 EA 4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter.....	584.46	81.43
<b>22 66 53 00-0614 Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings</b> (22 66 53 00-0464)		
22 66 53 00-0615 EA 1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	118.06	
22 66 53 00-0616 EA 2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	137.74	
22 66 53 00-0617 EA 3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	147.57	
22 66 53 00-0618 EA 4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	162.33	
<b>22 66 53 00-0619 Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings</b> (22 66 53 00-0464)		

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0620 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet.....	850.70	26.07
22 66 53 00-0621 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper.....	319.60	12.98
22 66 53 00-0622 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow.....	604.91	12.98
<b>22 66 53 00-0623 Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates (22 66 53 00-0464)</b>		
22 66 53 00-0624 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer.....	3,018.85	130.25
22 66 53 00-0625 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer.....	3,746.80	136.79
22 66 53 00-0626 EA Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain.....	2,587.30	12.98
<b>22 66 83 Chemical-Waste Tanks (22 66)</b>		
<b>22 66 83 16 Chemical-Waste Neutralization Tanks (22 66 83)</b>		
<b>22 66 83 16-0001 Acid Neutralization Tank (22 66 83 16)</b>		
<b>22 66 83 16-0002 Polyethylene Acid Neutralization Tank (22 66 83 16-0001)</b>		
22 66 83 16-0003 EA 5 Gallon Capacity Polyethylene Acid Neutralization Tank.....	492.55	198.80
22 66 83 16-0004 EA 15 Gallon Capacity Polyethylene Acid Neutralization Tank.....	892.40	275.66
22 66 83 16-0005 EA 30 Gallon Capacity Polyethylene Acid Neutralization Tank.....	1,110.20	397.59
22 66 83 16-0006 EA 55 Gallon Capacity Polyethylene Acid Neutralization Tank.....	1,425.41	530.11
22 66 83 16-0007 EA 100 Gallon Capacity Polyethylene Acid Neutralization Tank.....	1,830.17	636.13
22 66 83 16-0008 EA 150 Gallon Capacity Polyethylene Acid Neutralization Tank.....	2,502.87	795.17
22 66 83 16-0009 EA 200 Gallon Capacity Polyethylene Acid Neutralization Tank.....	2,889.25	993.97
22 66 83 16-0010 EA 275 Gallon Capacity Polyethylene Acid Neutralization Tank.....	3,751.44	1,192.76
22 66 83 16-0011 EA 350 Gallon Capacity Polyethylene Acid Neutralization Tank.....	4,259.09	1,431.31
<b>22 66 83 16-0012 Polypropylene Acid Neutralization Tank (22 66 83 16-0001)</b>		
22 66 83 16-0013 EA 5 Gallon Capacity Polypropylene Acid Neutralization Tank.....	811.03	198.80
22 66 83 16-0014 EA 15 Gallon Capacity Polypropylene Acid Neutralization Tank.....	1,396.65	275.66
22 66 83 16-0015 EA 30 Gallon Capacity Polypropylene Acid Neutralization Tank.....	2,435.85	397.59
22 66 83 16-0016 EA 55 Gallon Capacity Polypropylene Acid Neutralization Tank.....	3,209.58	530.11
22 66 83 16-0017 EA 100 Gallon Capacity Polypropylene Acid Neutralization Tank.....	4,066.09	636.13
22 66 83 16-0018 EA 150 Gallon Capacity Polypropylene Acid Neutralization Tank.....	4,220.37	795.17
22 66 83 16-0019 EA 200 Gallon Capacity Polypropylene Acid Neutralization Tank.....	4,599.17	993.97
22 66 83 16-0020 EA 275 Gallon Capacity Polypropylene Acid Neutralization Tank.....	6,737.19	1,192.76
22 66 83 16-0021 EA 350 Gallon Capacity Polypropylene Acid Neutralization Tank.....	7,284.63	1,431.31
<b>22 66 83 16-0022 Chemical Dilution Trap (22 66 83 16)</b>		
22 66 83 16-0023 EA 1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap..... Note: 1-1/2" top inlet and side outlet with anti siphon.	477.56	66.27
22 66 83 16-0024 EA 1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap..... Note: 1-1/2" top inlet and side outlet with anti siphon.	493.27	66.27
22 66 83 16-0025 EA 2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap..... Note: 1-1/2" top inlet and side outlet with anti siphon.	508.97	66.27
22 66 83 16-0026 EA 5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap..... Note: 1-1/2" top inlet and side outlet with anti siphon.	556.27	79.51

**END OF SECTION 22**





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

### 23 01 Operation and Maintenance of HVAC Systems <sup>(23)</sup>

#### 23 01 10 Operation and Maintenance of Facility Fuel Systems <sup>(23 01)</sup>

##### 23 01 10 91 Facility Fuel Systems Restoration <sup>(23 01 10)</sup>

23 01 10 91-0001	Professional Certification For Hospital <sup>(23 01 10 91)</sup>	
23 01 10 91-0002	HR Hospital/Lab Certification - Oxygen, Air, Water Lines, Medical Gases, Nitrogen And Vacuum .....	175.39

##### 23 01 10 91-0003 Purge Gas Systems <sup>(23 01 10 91)</sup>

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0004	EA Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	489.87
23 01 10 91-0005	EA >100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	699.83
23 01 10 91-0006	EA >250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	735.28
23 01 10 91-0007	EA >500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	811.45
23 01 10 91-0008	EA >1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	1,469.85
23 01 10 91-0009	EA Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	659.15
23 01 10 91-0010	EA >100' To 250', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	947.94
23 01 10 91-0011	EA >250' To 500', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,005.44
23 01 10 91-0012	EA >500' To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,128.16
23 01 10 91-0013	EA >1,000' To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	2,052.28
23 01 10 91-0014	EA Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems.....	784.92
23 01 10 91-0015	EA >100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems.....	1,160.17
23 01 10 91-0016	EA >250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems.....	2,669.82
23 01 10 91-0017	EA >500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	4,180.58
23 01 10 91-0018	EA >1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	7,862.23

#### 23 01 20 Operation and Maintenance of HVAC Piping and Pumps <sup>(23 01)</sup>

##### 23 01 20 91 HVAC Piping and Pumps Restoration <sup>(23 01 20)</sup>

##### 23 01 20 91-0001 Lock Out/Tag Out System <sup>(23 01 20 91)</sup>

23 01 20 91-0002	EA Up To 1", Lock Out/Tag Out Valve.....	26.51
	Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0003	EA >1" To 3", Lock Out/Tag Out Valve.....	31.81
	Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0004	EA >3" To 6", Lock Out/Tag Out Valve.....	37.11
	Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0005	EA >6" To 10", Lock Out/Tag Out Valve.....	42.41
	Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0006	EA >10" To 14", Lock Out/Tag Out Valve.....	53.02
	Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0007	EA Lock Out Padlock.....	10.60
23 01 20 91-0008	EA Lock Out Tags .....	4.39

##### 23 01 20 91-0009 Freeze Pipe Using CO2 Kit <sup>(23 01 20 91)</sup>

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA Up To 2" Freeze Pipe Using CO2 Kit.....	338.91
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##### 23 01 20 91-0011 Pipe Freezing <sup>(23 01 20 91)</sup>

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA Up To 1" Pipe Freezing, First Location .....	809.64
	Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0013	EA Up To 1" Pipe Freezing, Each Additional Location After First.....	342.81
	Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0014	EA >1" To 1-1/2" Pipe Freezing, First Location .....	986.86
	Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0015	EA >1" To 1-1/2" Pipe Freezing, Each Additional Location After First.....	393.04
	Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0016	EA >1-1/2" To 2" Pipe Freezing, First Location .....	1,406.11
	Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0017	EA >1-1/2" To 2" Pipe Freezing, Each Additional Location After First.....	443.43
	Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0018	EA >2" To 3" Pipe Freezing, First Location .....	1,607.52
	Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0019	EA >2" To 3" Pipe Freezing, Each Additional Location After First.....	534.78
	Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0020	EA >3" To 4" Pipe Freezing, First Location .....	2,432.76
	Note: Includes freezing on each side of valve or fitting.	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0021 EA >3" To 4" Pipe Freezing, Each Additional Location After First ..... Note: Includes freezing on each side of valve or fitting.	613.83	
23 01 20 91-0022 EA >4" To 6" Pipe Freezing, First Location..... Note: Includes freezing on each side of valve or fitting.	5,295.85	
23 01 20 91-0023 EA >4" To 6" Pipe Freezing, Each Additional Location After First..... Note: Includes freezing on each side of valve or fitting.	862.19	
23 01 20 91-0024 EA >6" To 8" Pipe Freezing, First Location..... Note: Includes freezing on each side of valve or fitting.	7,044.51	
23 01 20 91-0025 EA >6" To 8" Pipe Freezing, Each Additional Location After First..... Note: Includes freezing on each side of valve or fitting.	1,318.01	
23 01 20 91-0026 EA >8" To 10" Pipe Freezing, First Location..... Note: Includes freezing on each side of valve or fitting.	9,779.74	
23 01 20 91-0027 EA >8" To 10" Pipe Freezing, Each Additional Location After First ..... Note: Includes freezing on each side of valve or fitting.	1,852.12	
23 01 20 91-0028 EA >10" To 12" Pipe Freezing, First Location..... Note: Includes freezing on each side of valve or fitting.	12,641.65	
23 01 20 91-0029 EA >10" To 12" Pipe Freezing, Each Additional Location After First ..... Note: Includes freezing on each side of valve or fitting.	2,464.55	
<b>23 01 20 91-0030 Water/Chlorine Pipe Disinfection/Flush/Testing (23 01 20 91)</b> Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".		
23 01 20 91-0031 LF Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing..... For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	1.78 -0.13 -0.33 -0.48	
23 01 20 91-0032 LF >1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing ..... For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	2.48 -0.18 -0.44 -0.64	
23 01 20 91-0033 LF >2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing ..... For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	3.85 -0.26 -0.66 -0.96	
23 01 20 91-0034 LF 4", Water/Chlorine Pipe Disinfection/Flush/Testing..... For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	5.35 -0.35 -0.88 -1.28	
23 01 20 91-0035 LF 6", Water/Chlorine Pipe Disinfection/Flush/Testing..... For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	6.65 -0.42 -1.06 -1.54	
23 01 20 91-0036 LF 8", Water/Chlorine Pipe Disinfection/Flush/Testing..... For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	8.45 -0.53 -1.33 -1.92	
23 01 20 91-0037 LF 10", Water/Chlorine Pipe Disinfection/Flush/Testing..... For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	11.08 -0.71 -1.77 -2.56	
23 01 20 91-0038 LF 12", Water/Chlorine Pipe Disinfection/Flush/Testing..... For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	13.29 -0.85 -2.12 -3.07	
<b>23 01 20 91-0039 Shut Down Existing Piping System (23 01 20 91)</b>		
23 01 20 91-0040 EA Shut Down Existing Interior Piping System..... Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	223.06	
<b>23 01 20 91-0041 Purge Liquid Systems (23 01 20 91)</b> Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.		
23 01 20 91-0042 EA Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System.....	167.59	
23 01 20 91-0043 EA >50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System.....	209.49	
23 01 20 91-0044 EA >100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System .....	299.01	
23 01 20 91-0045 EA >250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System .....	358.30	
23 01 20 91-0046 EA >500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System .....	447.88	
23 01 20 91-0047 EA >1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System .....	582.24	
23 01 20 91-0048 LF >2,000', Up To 3/4" Diameter Pipe, Purge Liquid System.....	0.29	
23 01 20 91-0049 EA Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System .....	349.01	
23 01 20 91-0050 EA >100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System.....	498.45	
23 01 20 91-0051 EA >250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System.....	597.24	
23 01 20 91-0052 EA >500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System.....	746.55	
23 01 20 91-0053 EA >1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System.....	970.51	
23 01 20 91-0054 LF >2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System.....	0.48	
23 01 20 91-0055 EA Up To 100', >1-1/2" To 3" Diameter Pipe, Purge Liquid System.....	488.61	
23 01 20 91-0056 EA >100 To 250', >1-1/2" To 3" Diameter Pipe, Purge Liquid System .....	697.83	
23 01 20 91-0057 EA >250 To 500', >1-1/2" To 3" Diameter Pipe, Purge Liquid System .....	836.13	
23 01 20 91-0058 EA >500 To 1,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System.....	1,045.16	
23 01 20 91-0059 EA >1,000 To 2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System.....	1,358.72	
23 01 20 91-0060 LF >2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System.....	0.68	
23 01 20 91-0061 EA Up To 100', >3" To 6" Diameter Pipe, Purge Liquid System .....	671.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0062 EA >100 To 250', >3" To 6" Diameter Pipe, Purge Liquid System .....	959.52	
23 01 20 91-0063 EA >250 To 500', >3" To 6" Diameter Pipe, Purge Liquid System .....	1,018.69	
23 01 20 91-0064 EA >500 To 1,000', >3" To 6" Diameter Pipe, Purge Liquid System .....	1,273.35	
23 01 20 91-0065 EA >1,000 To 2,000', >3" To 6" Diameter Pipe, Purge Liquid System.....	1,655.36	
23 01 20 91-0066 LF >2,000', >3" To 6" Diameter Pipe, Purge Liquid System.....	0.83	
23 01 20 91-0067 EA Up To 100', >6" To 10" Diameter Pipe, Purge Liquid System .....	906.98	
23 01 20 91-0068 EA >100 To 250', >6" To 10" Diameter Pipe, Purge Liquid System .....	1,295.34	
23 01 20 91-0069 EA >250 To 500', >6" To 10" Diameter Pipe, Purge Liquid System .....	1,375.23	
23 01 20 91-0070 EA >500 To 1,000', >6" To 10" Diameter Pipe, Purge Liquid System.....	1,719.02	
23 01 20 91-0071 EA >1,000 To 2,000', >6" To 10" Diameter Pipe, Purge Liquid System.....	2,234.74	
23 01 20 91-0072 LF >2,000', >6" To 10" Diameter Pipe, Purge Liquid System.....	1.12	
 <b>23 01 20 91-0073 Special Cleaning Of Piping Systems (23 01 20 91)</b>		
<b>23 01 20 91-0074 Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing (23 01 20 91-0073)</b>		
23 01 20 91-0075 LF Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	2.31	
<i>For &gt;250 To 500, Deduct</i>	-0.15	
<i>For &gt;500 To 2000, Deduct</i>	-0.38	
<i>For &gt;2000, Deduct</i>	-0.55	
23 01 20 91-0076 LF >1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	3.88	
<i>For &gt;250 To 500, Deduct</i>	-0.24	
<i>For &gt;500 To 2000, Deduct</i>	-0.61	
<i>For &gt;2000, Deduct</i>	-0.88	
23 01 20 91-0077 LF >2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	5.47	
<i>For &gt;250 To 500, Deduct</i>	-0.34	
<i>For &gt;500 To 2000, Deduct</i>	-0.84	
<i>For &gt;2000, Deduct</i>	-1.22	
23 01 20 91-0078 LF >3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	7.09	
<i>For &gt;250 To 500, Deduct</i>	-0.43	
<i>For &gt;500 To 2000, Deduct</i>	-1.08	
<i>For &gt;2000, Deduct</i>	-1.57	
23 01 20 91-0079 LF >4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	9.82	
<i>For &gt;250 To 500, Deduct</i>	-0.61	
<i>For &gt;500 To 2000, Deduct</i>	-1.52	
<i>For &gt;2000, Deduct</i>	-2.20	
 <b>23 01 20 91-0080 Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing (23 01 20 91-0073)</b>		
23 01 20 91-0081 LF Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	2.53	
<i>For &gt;250 To 500, Deduct</i>	-0.15	
<i>For &gt;500 To 2000, Deduct</i>	-0.38	
<i>For &gt;2000, Deduct</i>	-0.55	
23 01 20 91-0082 LF >1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	4.16	
<i>For &gt;250 To 500, Deduct</i>	-0.24	
<i>For &gt;500 To 2000, Deduct</i>	-0.61	
<i>For &gt;2000, Deduct</i>	-0.88	
23 01 20 91-0083 LF >2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	5.86	
<i>For &gt;250 To 500, Deduct</i>	-0.34	
<i>For &gt;500 To 2000, Deduct</i>	-0.84	
<i>For &gt;2000, Deduct</i>	-1.22	
23 01 20 91-0084 LF >3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	7.68	
<i>For &gt;250 To 500, Deduct</i>	-0.43	
<i>For &gt;500 To 2000, Deduct</i>	-1.08	
<i>For &gt;2000, Deduct</i>	-1.57	
23 01 20 91-0085 LF >4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	10.60	
<i>For &gt;250 To 500, Deduct</i>	-0.61	
<i>For &gt;500 To 2000, Deduct</i>	-1.52	
<i>For &gt;2000, Deduct</i>	-2.20	
 <b>23 01 20 91-0086 Drewspers 4945/4395 Pipe Disinfection/Flush/Testing (23 01 20 91-0073)</b>		
23 01 20 91-0087 LF Up To 1", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing.....	2.60	
<i>For &gt;250 To 500, Deduct</i>	-0.15	
<i>For &gt;500 To 2000, Deduct</i>	-0.38	
<i>For &gt;2000, Deduct</i>	-0.55	
23 01 20 91-0088 LF >1" To 2", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing.....	4.27	
<i>For &gt;250 To 500, Deduct</i>	-0.24	
<i>For &gt;500 To 2000, Deduct</i>	-0.61	
<i>For &gt;2000, Deduct</i>	-0.88	
23 01 20 91-0089 LF >2" To 3", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing.....	6.03	
<i>For &gt;250 To 500, Deduct</i>	-0.34	
<i>For &gt;500 To 2000, Deduct</i>	-0.84	
<i>For &gt;2000, Deduct</i>	-1.22	
23 01 20 91-0090 LF >3" To 4", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing.....	7.90	
<i>For &gt;250 To 500, Deduct</i>	-0.43	
<i>For &gt;500 To 2000, Deduct</i>	-1.08	
<i>For &gt;2000, Deduct</i>	-1.57	
23 01 20 91-0091 LF >4" To 6", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing.....	10.90	
<i>For &gt;250 To 500, Deduct</i>	-0.61	
<i>For &gt;500 To 2000, Deduct</i>	-1.52	
<i>For &gt;2000, Deduct</i>	-2.20	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>23 01 20 91-0092</b>	<b>Add-A-Valve Emergency Shut Off Device</b> <small>(23 01 20 91)</small>	
23 01 20 91-0093	EA 1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD) .....	361.07
23 01 20 91-0094	EA 3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD) .....	454.98
23 01 20 91-0095	EA 1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD) .....	632.05
23 01 20 91-0096	EA 1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD) .....	970.28
23 01 20 91-0097	EA 1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD) .....	1,199.02
23 01 20 91-0098	EA 2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD) .....	1,815.06

**23 01 30 Operation and Maintenance of HVAC Air Distribution** (23 01)**23 01 30 51 HVAC Air-Distribution System Cleaning** (23 01 30)

<b>23 01 30 51-0001</b>	<b>Cleaning Of Ductwork And HVAC Equipment</b> <small>(23 01 30 51)</small>	
23 01 30 51-0002	LF Up To 2 SF Cross Section, Clean Supply/Return Ductwork .....	4.44
	Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
	<i>For Exhaust Ductwork, Add</i> .....	1.11
23 01 30 51-0003	LF >2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork .....	5.56
	Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
	<i>For Exhaust Ductwork, Add</i> .....	1.39
23 01 30 51-0004	LF >4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork .....	7.45
	Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
	<i>For Exhaust Ductwork, Add</i> .....	1.86
23 01 30 51-0005	LF >8 SF Cross Section, Clean Supply/Return Ductwork .....	10.54
	Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
	<i>For Exhaust Ductwork, Add</i> .....	2.64
23 01 30 51-0006	SF Clean Duct Dampers .....	14.95
23 01 30 51-0007	SF Clean Duct Fire Dampers .....	29.89
23 01 30 51-0008	SF Clean Louver .....	11.96
23 01 30 51-0009	EA Clean Turning Vane Set .....	35.88
23 01 30 51-0010	EA Clean Grille/Diffuser/Register .....	35.88
	Note: Includes removal and reinstallation.	
23 01 30 51-0011	LF Clean Linear Diffuser .....	8.97
	Note: Includes removal and reinstallation.	
23 01 30 51-0012	EA Cut Access For Cleaning Duct And Install Duct Insulated Access Doors .....	107.90
	<i>For Stainless Steel, Add</i> .....	54.60
23 01 30 51-0013	EA Clean Variable Air Volume (VAV) Unit .....	107.63
23 01 30 51-0014	EA Clean Fan Powered Induction Unit (PIU) Unit .....	143.51
23 01 30 51-0015	EA Clean Fan Coil Unit (FCU) .....	143.51
23 01 30 51-0016	EA Clean Packaged Terminal Air Conditioning Unit .....	143.51
23 01 30 51-0017	EA Clean Supply Or Return Fan .....	287.02
23 01 30 51-0018	EA Clean Exhaust Fan .....	251.15
23 01 30 51-0019	EA Clean Duct Coil .....	215.27
23 01 30 51-0020	SF Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum .....	7.18
	Note: Excluding fan and coils.	
23 01 30 51-0021	EA Clean Air Handling Unit Fan .....	287.02
23 01 30 51-0022	EA Clean Air Handling Unit Coil .....	430.55
23 01 30 51-0023	SF Clean Equipment Surfaces, Rust Reform And Prime .....	3.72
23 01 30 51-0024	SF Clean Interior Equipment Surfaces, Rust Reform And Prime .....	4.44
23 01 30 51-0025	SF High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms .....	0.61
23 01 30 51-0026	EA Cleaning Of Ductwork Minimum Set-up Charge .....	966.91
	Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
23 01 30 51-0027	SF Apply Antimicrobial Agent To Ductwork And Surfaces After Cleaning .....	0.63

**23 01 30 61 HVAC Air-Distribution Duct Repair** (23 01 30)

<b>23 01 30 61-0001</b>	<b>Repair And Seal Ductwork</b> <small>(23 01 30 61)</small>	
	Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.	
23 01 30 61-0002	SF Repair And Sealing Of Ductwork .....	2.50
	Note: Clean, apply sealant and tape	

**23 01 50 Operation and Maintenance of Central Heating Equipment** (23 01)**23 01 50 61 Central Heating Equipment Repair** (23 01 50)

<b>23 01 50 61-0001</b>	<b>Boiler Repairs</b> <small>(23 01 50 61)</small>	
<b>23 01 50 61-0002</b>	<b>Setup And Maintenance</b> <small>(23 01 50 61-0001)</small>	
23 01 50 61-0003	EA Set-up Charge For Boiler Fire Side Maintenance .....	2,290.43
	Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	
23 01 50 61-0004	EA Close-up Charge For Boiler Fire Side Maintenance .....	2,509.86
	Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	
	<i>For Burner Seals, Add</i> .....	629.04
	Note: Used when burner must be removed from door for maintenance.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0005 EA Setup Charge For Boiler Water Side Maintenance.....	3,053.92	
Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.		
23 01 50 61-0006 EA Up To 100 HP, Hydrostatic Test - Boiler Maintenance .....	1,526.96	
Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.		
23 01 50 61-0007 EA >100 HP, Hydrostatic Test - Boiler Maintenance .....	3,053.92	
Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.		
23 01 50 61-0008 EA Removal And Replacement Of Handhole .....	95.43	
23 01 50 61-0009 EA Removal And Replacement Of Manhole.....	286.30	
23 01 50 61-0010 SF Sheet Metal Jacket Patch .....	10.82	
<b>23 01 50 61-0011 Boiler Tube Replacement (23 01 50 61-0001)</b>		
23 01 50 61-0012 EA Removal Of Up To 2" Boiler Tube.....	229.04	
23 01 50 61-0013 EA Removal Of >2" To 3" Boiler Tube.....	286.31	
23 01 50 61-0014 EA Removal Of >3" To 4" Boiler Tube.....	400.82	
23 01 50 61-0015 LF Place 1-1/2" Boiler Tube Into Position For Termination.....	8.94	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0016 LF Place 2" Boiler Tube Into Position For Termination .....	10.42	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0017 LF Place 2-1/2" Boiler Tube Into Position For Termination .....	11.91	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0018 LF Place 3" Boiler Tube Into Position For Termination .....	17.19	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0019 LF Place 3-1/2" Boiler Tube Into Position For Termination .....	20.16	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0020 LF Place 4" Boiler Tube Into Position For Termination .....	25.88	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0021 EA 1-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	28.63	
23 01 50 61-0022 EA 2" Rolled Boiler Tube Termination (2 Per New Tube).....	42.94	
23 01 50 61-0023 EA 2-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	57.26	
23 01 50 61-0024 EA 3" Rolled Boiler Tube Termination (2 Per New Tube).....	71.58	
23 01 50 61-0025 EA 3-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	85.89	
23 01 50 61-0026 EA 4" Rolled Boiler Tube Termination (2 Per New Tube).....	100.21	
23 01 50 61-0027 EA 1-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	85.89	
23 01 50 61-0028 EA 2" Welded Boiler Tube Termination (2 Per New Tube).....	114.52	
23 01 50 61-0029 EA 2-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	143.15	
23 01 50 61-0030 EA 3" Welded Boiler Tube Termination (2 Per New Tube).....	171.79	
23 01 50 61-0031 EA 3-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	200.41	
23 01 50 61-0032 EA 4" Welded Boiler Tube Termination (2 Per New Tube).....	229.04	
23 01 50 61-0033 EA Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced.....	360.18	
<b>23 01 50 61-0034 Cast Iron Boiler Section Replacement (23 01 50 61-0001)</b>		
23 01 50 61-0035 EA Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler.....	2,591.26	
23 01 50 61-0036 EA Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler .....	1,799.02	
23 01 50 61-0037 EA Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler .....	2,228.83	
23 01 50 61-0038 EA Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler.....	4,798.74	
23 01 50 61-0039 EA Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler .....	3,568.67	
23 01 50 61-0040 EA Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler .....	4,105.50	
23 01 50 61-0041 EA Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler.....	7,819.71	
23 01 50 61-0042 EA Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler .....	6,131.52	
23 01 50 61-0043 EA Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler .....	6,502.56	
<b>23 01 50 61-0044 Cast Iron Grate Replacement (23 01 50 61-0001)</b>		
23 01 50 61-0045 SF Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold .....	133.80	
Note: Includes support, linkages and removal of existing.		
23 01 50 61-0046 EA Prepare Cast Iron Boiler Grate Mold.....	2,007.48	
Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.		
<b>23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners (23 01 50 61-0001)</b>		
Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 61-0048 EA 700 MBH Max Input Burner With 2" Boiler Connection, Screwed.....	9,849.06	1,040.75
23 01 50 61-0049 EA 2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed.....	14,243.22	1,288.53
23 01 50 61-0050 EA 2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed.....	16,818.00	1,561.02
23 01 50 61-0051 EA 3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged.....	19,863.20	1,680.22
<b>23 01 50 61-0052 Video Inspection Of Boiler Tubing (23 01 50 61-0001)</b>		
23 01 50 61-0053 EA Initial Set Up For Boiler Tubing Video Camera Inspection.....	467.26	
23 01 50 61-0054 LF Boiler Tubing Inspection .....	0.56	
<b>23 01 50 61-0055 Boiler And Chiller Water Treatment (23 01 50 61)</b>		
Note: 3 LB chemical per 50 gallon system water.		
23 01 50 61-0056 LB Boil Out Boiler And System With Caustic Soda .....	1.57	
Note: Includes disposal after treatment.		
23 01 50 61-0057 LB Boil Out Boiler And System With Trisodium Phosphate.....	2.35	
Note: Includes disposal after treatment.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 01 Operation and Maintenance of HVAC Systems****23 01 50 Operation and Maintenance of Central Heating Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 01 50 61-0058 GAL Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required ..... 146.89

**23 01 50 91 Central Heating Equipment Restoration (23 01 50)****23 01 50 91-0001 Boiler Controllers (23 01 50 91)**

23 01 50 91-0002	EA	Modulating Controller For Up To 4 Boilers/Heaters .....	7,881.40	97.70
		For NEMA 4 Enclosure, Add .....	4,411.80	
23 01 50 91-0003	EA	Staging Controller For Up To 4 Boiler/Heaters .....	1,626.90	97.70
		For NEMA 3R Enclosure, Add .....	307.80	

**23 01 60 Operation and Maintenance of Central Cooling Equipment (23 01)****23 01 60 61 Central Cooling Equipment Repair (23 01 60)****23 01 60 61-0001 Cooling Tower Repairs (23 01 60 61)**

23 01 60 61-0002	EA	Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade .....	3,240.81	
23 01 60 61-0003	EA	Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade .....	3,824.35	
23 01 60 61-0004	EA	Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade .....	4,403.60	
23 01 60 61-0005	EA	Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade .....	5,206.50	
23 01 60 61-0006	EA	Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade .....	5,741.04	
23 01 60 61-0007	EA	Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade .....	3,575.05	
23 01 60 61-0008	EA	Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade .....	3,983.92	
23 01 60 61-0009	EA	Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade .....	4,686.71	
23 01 60 61-0010	EA	Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade .....	5,346.91	
23 01 60 61-0011	EA	Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade .....	5,894.24	
23 01 60 61-0012	EA	Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan.....	890.06	
23 01 60 61-0013	EA	Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan.....	923.25	
23 01 60 61-0014	EA	Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan.....	986.28	
23 01 60 61-0015	EA	Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan.....	1,149.38	
23 01 60 61-0016	EA	Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan.....	1,425.34	
23 01 60 61-0017	EA	Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan.....	1,929.21	
23 01 60 61-0018	EA	Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan.....	2,028.43	
23 01 60 61-0019	EA	Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan.....	2,177.26	
23 01 60 61-0020	EA	Replace Counterflow Nozzle (1/2" - 2" NPT Thread) .....	37.36	
23 01 60 61-0021	EA	Replace 6' Polyvinyl Chloride (PVC) Splash Fill .....	22.18	

**23 01 60 71 Refrigerant Recovery/Recycling (23 01 60)****23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling (23 01 60 71)**

23 01 60 71-0002	LB	Recovery Of Refrigerant .....	11.21	
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant.....	21.04	

Note: Includes cleaning refrigerant gas prior to recharging.

**23 05 Common Work Results for HVAC (23)****23 05 13 Common Motor Requirements for HVAC Equipment (23 05)**

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

**23 05 13 00-0001 Premium Efficient, Motors (23 05 13)**

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation.

**23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors (23 05 13 00-0001)**

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

**23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)**

23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	672.37	
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	761.34	
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	892.60	
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	749.67	
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	796.34	
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,044.29	
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	880.93	
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	853.22	
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,067.62	
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	892.60	
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	920.31	
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,359.32	
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	974.28	
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,007.82	
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,780.83	
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,546.01	
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,481.84	
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	2,135.24	
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,767.70	
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	1,793.96	
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	2,778.44	
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	2,511.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0026 EA 15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,540.71	
23 05 13 00-0027 EA 15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,746.89	
23 05 13 00-0028 EA 20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,950.55	
23 05 13 00-0029 EA 20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,189.74	
23 05 13 00-0030 EA 20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,560.73	
23 05 13 00-0031 EA 25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,542.70	
23 05 13 00-0032 EA 25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,888.36	
23 05 13 00-0033 EA 25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,508.75	
23 05 13 00-0034 EA 30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,180.06	
23 05 13 00-0035 EA 30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,251.53	
23 05 13 00-0036 EA 30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,746.49	
23 05 13 00-0037 EA 40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,386.24	
23 05 13 00-0038 EA 40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,546.68	
23 05 13 00-0039 EA 50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,866.09	
23 05 13 00-0040 EA 50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	6,121.32	
23 05 13 00-0041 EA 60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	7,422.31	
23 05 13 00-0042 EA 60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	7,706.71	
23 05 13 00-0043 EA 75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	9,736.95	
23 05 13 00-0044 EA 75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	9,459.83	
23 05 13 00-0045 EA 100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	10,407.86	
23 05 13 00-0046 EA 100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	11,005.84	
23 05 13 00-0047 EA 125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	13,062.33	
23 05 13 00-0048 EA 125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	13,501.33	
23 05 13 00-0049 EA 150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	16,113.51	
<b>23 05 13 00-0050 Cast Iron Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)</b>		
23 05 13 00-0051 EA 40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	8,186.56	
23 05 13 00-0052 EA 50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	9,910.51	
23 05 13 00-0053 EA 60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	12,582.48	
23 05 13 00-0054 EA 75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	14,008.89	
23 05 13 00-0055 EA 100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	15,419.26	
23 05 13 00-0056 EA 125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	16,651.69	
23 05 13 00-0057 EA 150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	14,997.76	
23 05 13 00-0058 EA 150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	19,610.99	
23 05 13 00-0059 EA 200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	18,260.42	
23 05 13 00-0060 EA 200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	18,741.72	
23 05 13 00-0061 EA 200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	25,778.99	
<b>23 05 13 00-0062 Premium Efficient, TEFC Motors (23 05 13 00-0001)</b>		
Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.		
<b>23 05 13 00-0063 Steel Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)</b>		
23 05 13 00-0064 EA 1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor.....	786.13	
23 05 13 00-0065 EA 1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	866.35	
23 05 13 00-0066 EA 1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,031.16	
23 05 13 00-0067 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	891.14	
23 05 13 00-0068 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	899.89	
23 05 13 00-0069 EA 2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	975.74	
23 05 13 00-0070 EA 2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	933.44	
23 05 13 00-0071 EA 3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,082.21	
23 05 13 00-0072 EA 3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,031.16	
23 05 13 00-0073 EA 3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,655.40	
23 05 13 00-0074 EA 5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,200.35	
23 05 13 00-0075 EA 5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,128.88	
23 05 13 00-0076 EA 5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,869.80	
23 05 13 00-0077 EA 7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,798.33	
23 05 13 00-0078 EA 7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,627.69	
23 05 13 00-0079 EA 10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,823.12	
23 05 13 00-0080 EA 10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,837.71	
<b>23 05 13 00-0081 Cast Iron Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)</b>		
23 05 13 00-0082 EA 1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,121.59	
23 05 13 00-0083 EA 1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,255.77	
23 05 13 00-0084 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,184.30	
23 05 13 00-0085 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,162.42	
23 05 13 00-0086 EA 1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,494.96	
23 05 13 00-0087 EA 2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,245.56	
23 05 13 00-0088 EA 2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,217.85	
23 05 13 00-0089 EA 2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,518.30	
23 05 13 00-0090 EA 3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,344.74	
23 05 13 00-0091 EA 3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,382.66	
23 05 13 00-0092 EA 3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,891.67	
23 05 13 00-0093 EA 5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,655.40	
23 05 13 00-0094 EA 5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,384.12	
23 05 13 00-0095 EA 5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,195.04	
23 05 13 00-0096 EA 7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,916.47	
23 05 13 00-0097 EA 7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,846.46	
23 05 13 00-0098 EA 7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,129.94	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 13 Common Motor Requirements for HVAC Equipment**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 13 00-0099	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,246.09	
23 05 13 00-0100	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,071.07	
23 05 13 00-0101	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,573.32	
23 05 13 00-0102	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,094.94	
23 05 13 00-0103	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,832.41	
23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,766.38	
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,396.85	
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,434.77	
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,345.93	
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,432.38	
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,492.18	
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,180.20	
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,266.64	
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,329.36	
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,294.49	
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,219.58	
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,968.71	
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	10,336.39	
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,897.78	
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,616.29	
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,490.59	
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	11,094.81	
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	10,959.17	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,161.11	
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,907.72	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,814.38	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	17,655.14	
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,913.69	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	19,701.42	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	22,662.17	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	28,481.59	

**23 05 13 00-0130**

**Premium Efficient, Severe Duty Motors (23 05 13 00-0001)**

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,165.34	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,280.56	
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,414.74	
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,987.94	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,325.78	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,305.36	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,655.40	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,473.62	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,387.03	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,362.24	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,677.28	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,119.73	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,640.81	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,723.95	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,421.11	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,383.72	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,018.56	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,754.58	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,453.20	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,386.24	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,634.05	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,209.63	
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,510.61	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,159.25	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,804.70	
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,645.72	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,560.73	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,184.57	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,587.91	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,370.59	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,228.72	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,591.10	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,185.90	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,615.62	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,104.35	
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,934.37	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,030.37	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,731.37	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,423.76	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,132.99	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,618.14	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,570.68	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,425.75	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,350.84	
23 05 13 00-0175	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,929.07	
23 05 13 00-0176	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,829.76	





Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Lists various motor specifications and their costs.

23 05 13 00-0197 Premium Efficient, Explosion Proof Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

Table listing explosion proof motor specifications (e.g., 1 HP, 1,800 RPM, 143T NEMA) and their associated costs.

23 05 13 00-0216 Motor Mounting (23 05 13)

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

Table listing motor mounting specifications (e.g., 1/2 HP Motor Mounting) and their associated costs.

23 05 16 Expansion Fittings and Loops for HVAC Piping (23 05)

23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints (23 05 16)

Note: Includes internal sleeves and external covers.

23 05 16 00-0002 Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

Table listing threaded expansion joint specifications (e.g., 1/2" Threaded, 150 LB) and their associated costs.

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 16 Expansion Fittings and Loops for HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0006 EA 1-1/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	289.20	123.36
For 300 LB Rating, Add	10.69	
23 05 16 00-0007 EA 1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	312.65	132.59
For 300 LB Rating, Add	11.87	
23 05 16 00-0008 EA 2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	361.82	156.02
For 300 LB Rating, Add	12.46	
<b>23 05 16 00-0009 Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints</b> (23 05 16 00-0001)		
Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0010 EA 1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	677.69	85.48
For 300 LB Rating, Add	142.88	
23 05 16 00-0011 EA 1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	737.42	102.58
For 300 LB Rating, Add	152.22	
23 05 16 00-0012 EA 2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	771.81	130.23
For 300 LB Rating, Add	152.25	
23 05 16 00-0013 EA 2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	831.73	141.67
For 300 LB Rating, Add	163.53	
23 05 16 00-0014 EA 3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	914.69	166.09
For 300 LB Rating, Add	176.71	
23 05 16 00-0015 EA 4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,111.35	278.44
For 300 LB Rating, Add	190.61	
23 05 16 00-0016 EA 5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,516.80	304.51
For 300 LB Rating, Add	284.19	
23 05 16 00-0017 EA 6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,397.98	338.35
For 300 LB Rating, Add	243.39	
23 05 16 00-0018 EA 8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,798.94	432.33
For 300 LB Rating, Add	315.47	
23 05 16 00-0019 EA 10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,290.20	526.31
For 300 LB Rating, Add	408.08	
23 05 16 00-0020 EA 12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,012.47	398.68
For 300 LB Rating, Add	553.52	
23 05 16 00-0021 EA 14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,841.31	751.87
For 300 LB Rating, Add	725.37	
23 05 16 00-0022 EA 16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	4,978.00	827.05
For 300 LB Rating, Add	986.05	
<b>23 05 16 00-0023 Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints</b> (23 05 16 00-0001)		
Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0024 EA 1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	693.42	117.24
For 300 LB Rating, Add	114.76	
23 05 16 00-0025 EA 1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	725.49	118.21
For 300 LB Rating, Add	122.26	
23 05 16 00-0026 EA 2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	733.61	122.13
For 300 LB Rating, Add	122.28	
23 05 16 00-0027 EA 2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	792.01	133.16
For 300 LB Rating, Add	131.34	
23 05 16 00-0028 EA 3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	882.42	156.61
For 300 LB Rating, Add	142.22	
23 05 16 00-0029 EA 4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,235.45	311.86
For 300 LB Rating, Add	153.09	
23 05 16 00-0030 EA 5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,548.05	318.32
For 300 LB Rating, Add	228.26	
23 05 16 00-0031 EA 6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,486.31	352.44
For 300 LB Rating, Add	195.49	
23 05 16 00-0032 EA 8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,817.80	402.72
For 300 LB Rating, Add	253.39	
23 05 16 00-0033 EA 10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,295.93	493.41
For 300 LB Rating, Add	327.77	
23 05 16 00-0034 EA 12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,974.48	598.11
For 300 LB Rating, Add	444.58	
23 05 16 00-0035 EA 14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,638.97	609.02
For 300 LB Rating, Add	605.17	
23 05 16 00-0036 EA 16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	4,813.48	761.26
For 300 LB Rating, Add	822.65	
<b>23 05 17 Sleeves and Sleeve Seals for HVAC Piping</b> (23 05)		
<b>23 05 17 00-0001 Wall Seals And Sleeves</b> (23 05 17)		
Note: Up to 12" walls. Excludes drilling hole.		
<b>23 05 17 00-0002 Ductile Iron Wall Sleeve</b> (23 05 17 00-0001)		
Note: Includes rubber gasket seal.		
23 05 17 00-0003 EA 3" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	111.60	46.48
23 05 17 00-0004 EA 4" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	136.80	54.28
23 05 17 00-0005 EA 6" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	166.89	65.13
23 05 17 00-0006 EA 8" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	238.47	97.64
23 05 17 00-0007 EA 10" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	308.01	130.15
23 05 17 00-0008 EA 12" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	380.36	162.77



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 17 00-0009		<b>Steel Pipe Sleeves</b> <small>(23 05 17 00-0001)</small> Note: Includes link seals 12" length.		
23 05 17 00-0010	EA	2" Steel Pipe Sleeve With Link Seals.....	133.72	47.16
23 05 17 00-0011	EA	2-1/2" Steel Pipe Sleeve With Link Seals .....	166.76	51.12
23 05 17 00-0012	EA	3" Steel Pipe Sleeve With Link Seals.....	198.22	55.08
23 05 17 00-0013	EA	4" Steel Pipe Sleeve With Link Seals.....	245.02	66.08
23 05 17 00-0014	EA	6" Steel Pipe Sleeve With Link Seals.....	357.64	82.52
23 05 17 00-0015	EA	10" Steel Pipe Sleeve With Link Seals.....	666.36	99.07
23 05 17 00-0016	EA	13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals .....	781.82	123.84
23 05 17 00-0017	EA	17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals .....	1,045.08	152.37
23 05 17 00-0018	EA	23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals .....	1,431.12	198.14
23 05 17 00-0019	EA	29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals .....	1,547.92	247.68
23 05 19		<b>Meters and Gages for HVAC Piping</b> <small>(23 05)</small> See CSI section 33 19 00 00-0000 for water utility service metering.		
23 05 19 00-0001		<b>Thermometers</b> <small>(23 05 19)</small>		
23 05 19 00-0002		<b>Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers</b> <small>(23 05 19 00-0001)</small> Note: Various ranges.		
23 05 19 00-0003	EA	2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer .....	104.69	33.94
23 05 19 00-0004	EA	2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer .....	123.05	33.94
23 05 19 00-0005	EA	3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer .....	123.05	33.94
23 05 19 00-0006		<b>Liquid Filled Industrial Union Connection Type Thermometers</b> <small>(23 05 19 00-0001)</small> Note: Various ranges.		
23 05 19 00-0007	EA	7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer .....	141.41	33.94
23 05 19 00-0008	EA	9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer .....	141.41	33.94
23 05 19 00-0009	EA	12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer .....	179.81	33.94
23 05 19 00-0010	EA	7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer .....	146.42	33.94
23 05 19 00-0011	EA	9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer .....	154.77	33.94
23 05 19 00-0012	EA	12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer .....	184.82	33.94
23 05 19 00-0013		<b>Liquid Filled Industrial Separable Socket Type Thermometers</b> <small>(23 05 19 00-0001)</small> Note: Various ranges. Socket connection for thermowell.		
23 05 19 00-0014	EA	7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	141.41	33.94
23 05 19 00-0015	EA	9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	141.41	33.94
23 05 19 00-0016	EA	12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	179.81	33.94
23 05 19 00-0017	EA	7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	163.12	33.94
23 05 19 00-0018	EA	9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	179.81	33.94
23 05 19 00-0019	EA	12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	184.07	33.94
23 05 19 00-0020		<b>1" NPT, 304 Stainless Steel Thermowells</b> <small>(23 05 19 00-0001)</small>		
23 05 19 00-0021	EA	4" Long, 1" NPT, 304 Stainless Steel Thermowell .....	159.11	63.64
23 05 19 00-0022	EA	8" Long, 1" NPT, 304 Stainless Steel Thermowell .....	159.04	63.64
23 05 19 00-0023		<b>Pressure Gauges</b> <small>(23 05 19)</small>		
23 05 19 00-0024		<b>Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges</b> <small>(23 05 19 00-0023)</small>		
23 05 19 00-0025	EA	2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	37.20	13.25
23 05 19 00-0026	EA	4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	47.05	13.25
23 05 19 00-0027		<b>Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges</b> <small>(23 05 19 00-0023)</small>		
23 05 19 00-0028	EA	3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	196.47	13.25
23 05 19 00-0029	EA	4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	196.47	13.25
23 05 19 00-0030	EA	6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	254.18	13.25
23 05 19 00-0031	EA	8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	594.07	13.25
23 05 19 00-0032		<b>Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges</b> <small>(23 05 19 00-0023)</small> Note: Liquid filled.		
23 05 19 00-0033	EA	2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge .....	135.27	13.25
23 05 19 00-0034	EA	4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	309.17	13.25
23 05 19 00-0035		<b>Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges</b> <small>(23 05 19 00-0023)</small>		
23 05 19 00-0036	EA	4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge .....	325.35	13.25
23 05 19 00-0037	EA	6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge .....	325.35	13.25
23 05 19 00-0038	EA	8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge .....	325.35	13.25
23 05 19 00-0039		<b>Gauge Accessories</b> <small>(23 05 19 00-0023)</small>		
23 05 19 00-0040	EA	Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer) .....	83.00	10.60
23 05 19 00-0041	EA	1/4" Snubber Valve .....	50.98	10.60

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 19 Meters and Gages for HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0042	EA		1/4" Female Pipe Thread, Brass Gauge Cock .....	32.06	15.91
23 05 19 00-0043	EA		1/4" Male Pipe Thread, Brass Gauge Cock .....	27.59	15.91
23 05 19 00-0044	EA		1/4" Pressure Pigtail Steam Siphon .....	31.25	15.91
23 05 19 00-0045	EA		1/4" x 3" Long Black Steel Nipple.....	6.47	5.30
23 05 19 00-0046	EA		1/4" Steel Thread-O-Let.....	68.29	26.52
23 05 19 00-0047	EA		1/4", 300 LB, Black Steel Union .....	71.40	10.60
23 05 19 00-0048	EA		1/4" Black Steel Coupling.....	23.08	10.60
23 05 19 00-0049	EA		1/4", 300 LB, Black Steel Plug .....	13.16	6.36
23 05 19 00-0050	EA		1/4", 150 LB, Black Steel Cap.....	13.78	6.36
23 05 19 00-0051	LF		1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe .....	7.50	3.50
23 05 19 00-0052	LF		1/4" Schedule 80, Plain End, Black Steel Pipe .....	7.33	3.50
23 05 19 00-0053	LF		1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	7.79	
23 05 19 00-0054	EA		1/4" Threaded, 800 LB, Forged Steel, Ball Valve.....	101.72	
<b>23 05 19 00-0055</b>			<b>Valve Lock Covers (23 05 19)</b>		
23 05 19 00-0056	EA		Valve Lock Cover.....	81.10	16.23
<b>23 05 19 00-0057</b>			<b>Sight Flow Indicator (23 05 19)</b>		
<b>23 05 19 00-0058</b>			<b>Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0057)</b>		
23 05 19 00-0059	EA		1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	159.11	15.44
23 05 19 00-0060	EA		3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	166.17	16.25
23 05 19 00-0061	EA		1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	179.84	17.07
23 05 19 00-0062	EA		3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	200.42	23.01
23 05 19 00-0063	EA		1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	239.47	27.89
23 05 19 00-0064	EA		1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	270.65	35.30
23 05 19 00-0065	EA		1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	385.86	40.81
23 05 19 00-0066	EA		2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	426.77	48.24
<b>23 05 19 00-0067</b>			<b>Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0057)</b>		
23 05 19 00-0068	EA		1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	208.02	15.44
23 05 19 00-0069	EA		3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	213.99	16.25
23 05 19 00-0070	EA		1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	230.92	17.07
23 05 19 00-0071	EA		3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	243.89	23.01
23 05 19 00-0072	EA		1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	257.94	27.89
23 05 19 00-0073	EA		1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	278.26	35.30
23 05 19 00-0074	EA		1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	533.67	40.81
23 05 19 00-0075	EA		2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	570.22	48.24
<b>23 05 19 00-0076</b>			<b>Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (23 05 19 00-0057)</b>		
23 05 19 00-0077	EA		1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	302.57	15.44
23 05 19 00-0078	EA		3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	319.41	16.25
23 05 19 00-0079	EA		1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	347.21	17.07
23 05 19 00-0080	EA		3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	376.48	23.01
23 05 19 00-0081	EA		1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	431.83	27.89
23 05 19 00-0082	EA		1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	455.41	35.30
23 05 19 00-0083	EA		1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	924.92	40.81
23 05 19 00-0084	EA		2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) .....	972.34	48.24



	MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 19 00-0085</b>		<b>Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators</b> <small>(23 05 19 00-0057)</small>		
	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	204.76	15.44
	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	212.90	16.25
	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	225.49	17.07
	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	242.80	23.01
	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	256.86	27.89
	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	278.26	35.30
	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	527.15	40.81
	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) .....	561.53	48.24
<b>23 05 19 00-0094</b>		<b>Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators</b> <small>(23 05 19 00-0057)</small>		
	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	300.40	15.44
	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	323.75	16.25
	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	353.73	17.07
	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	376.48	23.01
	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	431.83	27.89
	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	459.75	35.30
	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	924.92	40.81
	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	972.34	48.24
<b>23 05 19 00-0103</b>		<b>Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators</b> <small>(23 05 19 00-0057)</small>		
	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400) .....	440.53	27.89
	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400) .....	494.53	35.30
	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400) .....	561.93	40.81
	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400) .....	631.09	48.24
<b>23 05 19 00-0108</b>		<b>Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators</b> <small>(23 05 19 00-0057)</small>		
	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) .....	968.18	111.32
	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) .....	1,079.29	141.33
	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) .....	1,595.05	165.99
	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) .....	2,403.32	278.27
	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) .....	3,900.49	333.08
<b>23 05 19 00-0114</b>		<b>Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators</b> <small>(23 05 19 00-0057)</small>		
	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	743.41	79.51
	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	878.17	92.77
	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	945.91	111.32
	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	1,185.25	141.33
	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	1,724.92	165.99
	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	2,544.06	278.27
<b>23 05 19 00-0121</b>		<b>Venturi Flowmeters</b> <small>(23 05 19)</small>		
<b>23 05 19 00-0122</b>		<b>Threaded, Brass, Venturi Flowmeters</b> <small>(23 05 19 00-0121)</small>		
	EA	3/4" Threaded, Brass, Venturi Flowmeter .....	275.85	72.13
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
	EA	1" Threaded, Brass, Venturi Flowmeter .....	304.73	86.55
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
	EA	1-1/4" Threaded, Brass, Venturi Flowmeter .....	336.09	96.20
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
	EA	1-1/2" Threaded, Brass, Venturi Flowmeter .....	378.81	108.20
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
	EA	2" Threaded, Brass, Venturi Flowmeter .....	450.91	123.68
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
	EA	2-1/2" Threaded, Brass, Venturi Flowmeter .....	616.88	170.87
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
<b>23 05 19 00-0129</b>		<b>Butt Weld, Carbon Steel, Venturi Flowmeters</b> <small>(23 05 19 00-0121)</small>		
	EA	3" Butt Weld, Carbon Steel, Venturi Flowmeter .....	1,148.59	148.61
		<i>For Flanged Ends, Add</i>	297.98	
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
	EA	4" Butt Weld, Carbon Steel, Venturi Flowmeter .....	1,576.98	178.33
		<i>For Flanged Ends, Add</i>	427.11	
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
	EA	5" Butt Weld, Carbon Steel, Venturi Flowmeter .....	2,063.45	222.91
		<i>For Flanged Ends, Add</i>	566.17	
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 19 Meters and Gages for HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0133 EA 6" Butt Weld, Carbon Steel, Venturi Flowmeter .....	2,467.46	297.21
For Flanged Ends, Add	655.56	
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0134 EA 8" Butt Weld, Carbon Steel, Venturi Flowmeter .....	3,579.63	356.66
For Flanged Ends, Add	1,003.21	
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0135 EA 10" Butt Weld, Carbon Steel, Venturi Flowmeter .....	5,801.28	445.82
For Flanged Ends, Add	1,718.38	
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0136 EA 12" Butt Weld, Carbon Steel, Venturi Flowmeter .....	8,702.55	633.57
For Flanged Ends, Add	2,602.40	
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0137 EA 14" Butt Weld, Carbon Steel, Venturi Flowmeter .....	12,230.82	950.35
For Flanged Ends, Add	3,615.54	
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0138 EA 16" Butt Weld, Carbon Steel, Venturi Flowmeter .....	18,146.27	1,055.94
For Flanged Ends, Add	5,612.04	
For Portable Venturi Flow Meter, Add	995.00	
<b>23 05 19 00-0139 Turbine Flowmeter (23 05 19)</b>		
23 05 19 00-0140 EA Saddle Mount Turbine Flowmeter .....	802.67	79.55
<b>23 05 19 00-0141 Water Flow Switches (23 05 19)</b>		
23 05 19 00-0142 EA Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1).....	270.35	31.27
23 05 19 00-0143 EA Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1) .....	280.29	31.27
23 05 19 00-0144 EA Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1) .....	364.24	31.27
23 05 19 00-0145 EA Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1).....	376.95	31.27
23 05 19 00-0146 EA Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1).....	293.00	31.27
23 05 19 00-0147 EA Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1).....	304.59	31.27
23 05 19 00-0148 EA Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1) .....	386.89	31.27
23 05 19 00-0149 EA Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1) .....	398.48	31.27
23 05 19 00-0150 EA Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1) .....	771.77	31.27
23 05 19 00-0151 EA Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1).....	783.01	31.27
23 05 19 00-0152 EA Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1).....	889.72	31.27
23 05 19 00-0153 EA Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1) .....	905.16	31.27
23 05 19 00-0154 EA Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1) .....	798.45	31.27
23 05 19 00-0155 EA Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1).....	813.90	31.27
23 05 19 00-0156 EA Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1).....	916.39	31.27
23 05 19 00-0157 EA Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1).....	933.24	31.27
<b>23 05 23 General-Duty Valves For HVAC Piping (23 05)</b>		
Note: Flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0669 for bolt and gasket sets.		
<b>23 05 23 00-0001 Gate Valves (23 05 23)</b>		
<b>23 05 23 00-0002 Class 125 Brazed Or Soldered Bronze Gate Valves (23 05 23 00-0001)</b>		
Note: 125 psi steam, basic rating, 200 psi cold working pressure. (Milwaukee Valve 105)		
23 05 23 00-0003 EA 1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	79.33	10.60
For 150 LB Rating, Add	4.85	
For Work In Restricted Working Space, Add	9.26	
For 200 LB Rating, Add	7.27	
23 05 23 00-0004 EA 3/8" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	80.95	10.60
For 150 LB Rating, Add	4.85	
For Work In Restricted Working Space, Add	9.75	
For 200 LB Rating, Add	7.27	
23 05 23 00-0005 EA 1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	82.96	10.60
For 150 LB Rating, Add	4.88	
For Work In Restricted Working Space, Add	10.26	
For 200 LB Rating, Add	7.31	
23 05 23 00-0006 EA 3/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	98.48	11.67
For 150 LB Rating, Add	5.24	
For Work In Restricted Working Space, Add	13.83	
For 200 LB Rating, Add	7.86	
23 05 23 00-0007 EA 1" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	119.97	13.25
For 150 LB Rating, Add	6.42	
For Work In Restricted Working Space, Add	16.74	
For 200 LB Rating, Add	9.63	
23 05 23 00-0008 EA 1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	175.46	14.11
For 150 LB Rating, Add	10.48	
For Work In Restricted Working Space, Add	21.20	
For 200 LB Rating, Add	15.72	
23 05 23 00-0009 EA 1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	195.44	16.33
For 150 LB Rating, Add	11.39	
For Work In Restricted Working Space, Add	24.47	
For 200 LB Rating, Add	17.08	
23 05 23 00-0010 EA 2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	234.35	19.29
For 150 LB Rating, Add	13.80	
For Work In Restricted Working Space, Add	28.91	
For 200 LB Rating, Add	20.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0011 EA 2-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve.....	530.39	26.07
<i>For Chain Operated Type, Add</i>	180.09	
<i>For 150 LB Rating, Add</i>	40.02	
<i>For Work In Restricted Working Space, Add</i>	39.06	
<i>For 200 LB Rating, Add</i>	60.03	
23 05 23 00-0012 EA 3" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve.....	622.47	30.27
<i>For 150 LB Rating, Add</i>	47.23	
<i>For Work In Restricted Working Space, Add</i>	45.07	
<i>For 200 LB Rating, Add</i>	70.84	
<b>23 05 23 00-0013 Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves</b> <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating, 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)		
23 05 23 00-0014 EA 1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	95.48	10.60
<i>For 150 LB Rating, Add</i>	6.46	
<i>For Work In Restricted Working Space, Add</i>	9.26	
<i>For 200 LB Rating, Add</i>	9.69	
23 05 23 00-0015 EA 3/8" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	96.96	10.60
<i>For 150 LB Rating, Add</i>	6.45	
<i>For Work In Restricted Working Space, Add</i>	9.75	
<i>For 200 LB Rating, Add</i>	9.67	
23 05 23 00-0016 EA 1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	112.80	10.60
<i>For 150 LB Rating, Add</i>	7.86	
<i>For Work In Restricted Working Space, Add</i>	10.26	
<i>For 200 LB Rating, Add</i>	11.79	
23 05 23 00-0017 EA 3/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	128.32	11.67
<i>For 150 LB Rating, Add</i>	8.22	
<i>For Work In Restricted Working Space, Add</i>	13.83	
<i>For 200 LB Rating, Add</i>	12.33	
23 05 23 00-0018 EA 1" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	154.02	13.25
<i>For 150 LB Rating, Add</i>	9.82	
<i>For Work In Restricted Working Space, Add</i>	16.74	
<i>For 200 LB Rating, Add</i>	14.73	
23 05 23 00-0019 EA 1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	222.03	14.11
<i>For 150 LB Rating, Add</i>	15.14	
<i>For Work In Restricted Working Space, Add</i>	21.20	
<i>For 200 LB Rating, Add</i>	22.70	
23 05 23 00-0020 EA 1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	254.02	16.33
<i>For 150 LB Rating, Add</i>	17.25	
<i>For Work In Restricted Working Space, Add</i>	24.47	
<i>For 200 LB Rating, Add</i>	25.87	
23 05 23 00-0021 EA 2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	324.86	19.29
<i>For 150 LB Rating, Add</i>	22.85	
<i>For Work In Restricted Working Space, Add</i>	28.91	
<i>For 200 LB Rating, Add</i>	34.27	
<b>23 05 23 00-0022 Class 125 Threaded, Bronze Gate Valves</b> <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating, 200 psi cold working pressure.		
23 05 23 00-0023 EA 1/4" Diameter, 125 LB, Threaded Bronze Gate Valve.....	61.67	10.60
<i>For 250 LB Rating, Add</i>	7.70	
<i>For 150 LB Rating, Add</i>	3.08	
<i>For 300 LB Rating, Add</i>	10.78	
<i>For Work In Restricted Working Space, Add</i>	9.26	
<i>For 200 LB Rating, Add</i>	4.62	
23 05 23 00-0024 EA 3/8" Diameter, 125 LB, Threaded Bronze Gate Valve.....	63.29	10.60
<i>For 250 LB Rating, Add</i>	7.70	
<i>For 150 LB Rating, Add</i>	3.08	
<i>For 300 LB Rating, Add</i>	10.78	
<i>For Work In Restricted Working Space, Add</i>	9.75	
<i>For 200 LB Rating, Add</i>	4.62	
23 05 23 00-0025 EA 1/2" Diameter, 125 LB, Threaded Bronze Gate Valve.....	65.01	10.60
<i>For 250 LB Rating, Add</i>	7.70	
<i>For 150 LB Rating, Add</i>	3.08	
<i>For 300 LB Rating, Add</i>	10.78	
<i>For Work In Restricted Working Space, Add</i>	10.26	
<i>For 200 LB Rating, Add</i>	4.62	
23 05 23 00-0026 EA 3/4" Diameter, 125 LB, Threaded Bronze Gate Valve.....	82.84	11.67
<i>For 250 LB Rating, Add</i>	9.19	
<i>For 150 LB Rating, Add</i>	3.68	
<i>For 300 LB Rating, Add</i>	12.86	
<i>For Work In Restricted Working Space, Add</i>	13.83	
<i>For 200 LB Rating, Add</i>	5.51	
23 05 23 00-0027 EA 1" Diameter, 125 LB, Threaded Bronze Gate Valve.....	111.32	13.25
<i>For 250 LB Rating, Add</i>	13.88	
<i>For 150 LB Rating, Add</i>	5.55	
<i>For 300 LB Rating, Add</i>	19.43	
<i>For Work In Restricted Working Space, Add</i>	16.74	
<i>For 200 LB Rating, Add</i>	8.33	
23 05 23 00-0028 EA 1-1/4" Diameter, 125 LB, Threaded Bronze Gate Valve.....	145.54	14.11
<i>For 250 LB Rating, Add</i>	18.72	
<i>For 150 LB Rating, Add</i>	7.49	
<i>For 300 LB Rating, Add</i>	26.20	
<i>For Work In Restricted Working Space, Add</i>	21.20	
<i>For 200 LB Rating, Add</i>	11.23	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0029 EA 1-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	175.89	16.33
For 250 LB Rating, Add	23.58	
For 150 LB Rating, Add	9.43	
For 300 LB Rating, Add	33.02	
For Work In Restricted Working Space, Add	24.47	
For 200 LB Rating, Add	14.15	
23 05 23 00-0030 EA 2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	225.27	19.29
For 250 LB Rating, Add	32.22	
For 150 LB Rating, Add	12.89	
For 300 LB Rating, Add	45.11	
For Work In Restricted Working Space, Add	28.91	
For 200 LB Rating, Add	19.33	
23 05 23 00-0031 EA 2-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	497.78	26.07
For 250 LB Rating, Add	91.90	
For Chain Operated Type, Add	165.42	
For 150 LB Rating, Add	36.76	
For 300 LB Rating, Add	128.66	
For Work In Restricted Working Space, Add	39.06	
For 200 LB Rating, Add	55.14	
23 05 23 00-0032 EA 3" Diameter, 125 LB, Threaded Bronze Gate Valve .....	589.63	30.27
For 250 LB Rating, Add	109.85	
For Chain Operated Type, Add	197.73	
For 150 LB Rating, Add	43.94	
For 300 LB Rating, Add	153.79	
For Work In Restricted Working Space, Add	45.07	
For 200 LB Rating, Add	65.91	
23 05 23 00-0033 EA 4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	1,217.66	34.17
For 250 LB Rating, Add	261.70	
For Chain Operated Type, Add	471.06	
For 150 LB Rating, Add	104.68	
For 300 LB Rating, Add	366.38	
For Work In Restricted Working Space, Add	51.26	
For 200 LB Rating, Add	157.02	
<b>23 05 23 00-0034 200 PSI, Non Rising Stem, Crimped Bronze Gate Valves</b> (23 05 23 00-0001)		
Note: 200 psi cold working pressure.		
23 05 23 00-0035 EA 1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	115.60	10.60
For Work In Restricted Working Space, Add	7.16	
23 05 23 00-0036 EA 3/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	130.18	11.67
For Work In Restricted Working Space, Add	8.15	
23 05 23 00-0037 EA 1" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	171.19	13.25
For Work In Restricted Working Space, Add	9.74	
23 05 23 00-0038 EA 1-1/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	233.70	14.11
For Work In Restricted Working Space, Add	10.74	
23 05 23 00-0039 EA 1-1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	270.97	16.33
For Work In Restricted Working Space, Add	11.93	
23 05 23 00-0040 EA 2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	373.21	19.29
For Work In Restricted Working Space, Add	14.31	
<b>23 05 23 00-0041 Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves</b> (23 05 23 00-0001)		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0042 EA 1-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	263.50	16.33
For Chain Operated Type, Add	63.68	
For 150 LB Rating, Add	36.39	
For Work In Restricted Working Space, Add	24.47	
For 250 LB Rating, Add	63.68	
23 05 23 00-0043 EA 2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	403.81	19.29
For Chain Operated Type, Add	107.60	
For 150 LB Rating, Add	61.49	
For Work In Restricted Working Space, Add	28.91	
For 250 LB Rating, Add	107.60	
23 05 23 00-0044 EA 2-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	592.57	26.07
For Chain Operated Type, Add	161.83	
For 150 LB Rating, Add	92.48	
For Work In Restricted Working Space, Add	39.06	
For 250 LB Rating, Add	161.83	
23 05 23 00-0045 EA 3" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	756.89	30.27
For Chain Operated Type, Add	212.33	
For 150 LB Rating, Add	121.33	
For Work In Restricted Working Space, Add	45.07	
For 250 LB Rating, Add	212.33	
23 05 23 00-0046 EA 4" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	1,803.95	34.17
For Chain Operated Type, Add	571.58	
For 150 LB Rating, Add	326.62	
For Work In Restricted Working Space, Add	51.26	
For 250 LB Rating, Add	571.58	
<b>23 05 23 00-0047 Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves</b> (23 05 23 00-0001)		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0048 EA 1-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	393.07	111.32
For 250 LB Rating, Add	126.79	
For 150 LB Rating, Add	73.54	
For Chain Operated Type, Add	126.79	
For 300 LB Rating, ASTM A182, Add	323.32	
For Work In Restricted Working Space, Add	41.85	
23 05 23 00-0049 EA 2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	441.90	141.33
For 250 LB Rating, Add	132.60	
For 150 LB Rating, Add	76.91	
For Chain Operated Type, Add	132.60	
For 300 LB Rating, ASTM A182, Add	353.55	
For Work In Restricted Working Space, Add	53.01	
23 05 23 00-0050 EA 2-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	495.72	141.58
For 250 LB Rating, Add	159.10	
For 150 LB Rating, Add	92.28	
For Chain Operated Type, Add	159.10	
For 300 LB Rating, ASTM A182, Add	406.96	
For Work In Restricted Working Space, Add	53.26	
23 05 23 00-0051 EA 3" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	605.46	165.99
For 250 LB Rating, Add	198.86	
For 150 LB Rating, Add	115.34	
For Chain Operated Type, Add	198.86	
For 300 LB Rating, ASTM A182, Add	501.59	
For Work In Restricted Working Space, Add	62.33	
23 05 23 00-0052 EA 4" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	879.03	278.27
For 250 LB Rating, Add	265.16	
For 150 LB Rating, Add	153.79	
For Chain Operated Type, Add	265.16	
For 300 LB Rating, ASTM A182, Add	704.67	
For Work In Restricted Working Space, Add	104.62	
23 05 23 00-0053 EA 5" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,063.48	299.77
For 250 LB Rating, Add	344.67	
For 150 LB Rating, Add	199.91	
For Chain Operated Type, Add	344.67	
For 300 LB Rating, ASTM A182, Add	876.41	
For Work In Restricted Working Space, Add	112.24	
23 05 23 00-0054 EA 6" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,266.17	333.08
For 250 LB Rating, Add	424.17	
For 150 LB Rating, Add	246.02	
For Chain Operated Type, Add	424.17	
For 300 LB Rating, ASTM A182, Add	1,057.25	
For Work In Restricted Working Space, Add	125.35	
23 05 23 00-0055 EA 8" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,933.96	425.60
For 250 LB Rating, Add	702.64	
For 150 LB Rating, Add	407.53	
For Chain Operated Type, Add	702.64	
For 300 LB Rating, ASTM A182, Add	1,669.62	
For Work In Restricted Working Space, Add	158.61	
23 05 23 00-0056 EA 10" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,503.53	518.12
For 250 LB Rating, Add	927.94	
For 150 LB Rating, Add	538.21	
For Chain Operated Type, Add	927.94	
For 300 LB Rating, ASTM A182, Add	2,179.71	
For Work In Restricted Working Space, Add	194.30	
23 05 23 00-0057 EA 12" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	3,436.43	629.14
For 250 LB Rating, Add	1,325.70	
For 150 LB Rating, Add	768.91	
For Chain Operated Type, Add	1,325.70	
For 300 LB Rating, ASTM A182, Add	3,043.92	
For Work In Restricted Working Space, Add	235.51	
<b>23 05 23 00-0058 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0059 EA 1-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	527.54	16.33
For 175 LB Rating, Add	222.99	
For 250 LB Rating, Add	334.49	
For Work In Restricted Working Space, Add	24.47	
23 05 23 00-0060 EA 2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	672.92	19.29
For 175 LB Rating, Add	288.27	
For 250 LB Rating, Add	432.41	
For Work In Restricted Working Space, Add	28.91	
23 05 23 00-0061 EA 2-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	780.31	26.07
For 175 LB Rating, Add	325.06	
For 250 LB Rating, Add	487.59	
For Work In Restricted Working Space, Add	39.06	
23 05 23 00-0062 EA 3" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	867.56	30.27
For 175 LB Rating, Add	358.67	
For 250 LB Rating, Add	538.01	
For Work In Restricted Working Space, Add	45.07	
23 05 23 00-0063 EA 4" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	1,161.42	34.17
For 175 LB Rating, Add	495.28	
For 250 LB Rating, Add	742.91	
For Work In Restricted Working Space, Add	51.26	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 23 General-Duty Valves For HVAC Piping**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 05 23 00-0064	Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>		
	Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".		
23 05 23 00-0065	EA 1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	505.05	111.32
	For 175 LB Rating, Add	113.32	
	For Chain Operated Type, Add	182.78	
	For 250 LB Rating, Add	237.61	
	For Work In Restricted Working Space, Add	41.85	
	For 150 LB Rating, Add	54.83	
23 05 23 00-0066	EA 2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	553.10	141.33
	For 175 LB Rating, Add	116.68	
	For Chain Operated Type, Add	188.20	
	For 250 LB Rating, Add	244.66	
	For Work In Restricted Working Space, Add	53.01	
	For 150 LB Rating, Add	56.46	
23 05 23 00-0067	EA 2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	566.22	141.58
	For 175 LB Rating, Add	120.49	
	For Chain Operated Type, Add	194.35	
	For 250 LB Rating, Add	252.65	
	For Work In Restricted Working Space, Add	53.26	
	For 150 LB Rating, Add	58.30	
23 05 23 00-0068	EA 3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	635.41	165.99
	For 175 LB Rating, Add	132.57	
	For Chain Operated Type, Add	213.83	
	For 250 LB Rating, Add	277.98	
	For Work In Restricted Working Space, Add	62.33	
	For 150 LB Rating, Add	64.15	
23 05 23 00-0069	EA 4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	867.36	278.27
	For 175 LB Rating, Add	160.78	
	For Chain Operated Type, Add	259.32	
	For 250 LB Rating, Add	337.12	
	For Work In Restricted Working Space, Add	104.62	
	For 150 LB Rating, Add	77.80	
23 05 23 00-0070	EA 5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,097.76	299.77
	For 175 LB Rating, Add	224.32	
	For Chain Operated Type, Add	361.81	
	For 250 LB Rating, Add	470.35	
	For Work In Restricted Working Space, Add	112.24	
	For 150 LB Rating, Add	108.54	
23 05 23 00-0071	EA 6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,244.24	333.08
	For 175 LB Rating, Add	256.18	
	For Chain Operated Type, Add	413.20	
	For 250 LB Rating, Add	537.16	
	For Work In Restricted Working Space, Add	125.35	
	For 150 LB Rating, Add	123.96	
23 05 23 00-0072	EA 8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,926.36	425.60
	For 175 LB Rating, Add	433.28	
	For Chain Operated Type, Add	698.84	
	For 250 LB Rating, Add	908.49	
	For Work In Restricted Working Space, Add	158.61	
	For 150 LB Rating, Add	209.65	
23 05 23 00-0073	EA 10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,798.66	518.12
	For 175 LB Rating, Add	666.81	
	For Chain Operated Type, Add	1,075.51	
	For 250 LB Rating, Add	1,398.16	
	For Work In Restricted Working Space, Add	194.30	
	For 150 LB Rating, Add	322.65	
23 05 23 00-0074	EA 12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	3,511.26	629.14
	For 175 LB Rating, Add	845.13	
	For Chain Operated Type, Add	1,363.12	
	For 250 LB Rating, Add	1,772.05	
	For Work In Restricted Working Space, Add	235.51	
	For 150 LB Rating, Add	408.93	
23 05 23 00-0075	EA 14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	6,954.91	913.00
	For 175 LB Rating, Add	1,802.23	
	For 250 LB Rating, Add	3,778.88	
	For Work In Restricted Working Space, Add	342.38	
	For 150 LB Rating, Add	872.05	
23 05 23 00-0076	EA 16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	8,988.12	1,004.30
	For 175 LB Rating, Add	2,397.15	
	For 250 LB Rating, Add	5,026.29	
	For Work In Restricted Working Space, Add	376.61	
	For 150 LB Rating, Add	1,159.91	
23 05 23 00-0077	EA 18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	12,218.30	1,113.85
	For 175 LB Rating, Add	3,356.06	
	For 250 LB Rating, Add	7,036.89	
	For Work In Restricted Working Space, Add	417.69	
	For 150 LB Rating, Add	1,623.90	
23 05 23 00-0078	EA 20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	15,486.21	1,255.37
	For 175 LB Rating, Add	4,314.27	
	For 250 LB Rating, Add	9,046.05	
	For Work In Restricted Working Space, Add	470.76	
	For 150 LB Rating, Add	2,087.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0079 EA 24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve ..... <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i>	21,124.66 5,951.63 12,479.22 577.76 2,879.82	1,540.68
23 05 23 00-0080 EA 30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve ..... <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i>	43,935.88 12,647.21 26,518.34 941.53 6,119.62	2,510.74
23 05 23 00-0081 EA 36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve ..... <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i>	56,021.32 16,069.40 33,693.89 1,255.37 7,775.51	3,347.66
<b>23 05 23 00-0082 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves</b> (23 05 23 00-0001) Note: 800 psig at 850 degrees F.		
23 05 23 00-0083 EA 1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve ..... <i>For Work In Restricted Working Space, Add</i>	158.68 9.26	10.60
23 05 23 00-0084 EA 1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve ..... <i>For Work In Restricted Working Space, Add</i>	162.02 10.26	10.60
23 05 23 00-0085 EA 3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve ..... <i>For Work In Restricted Working Space, Add</i>	191.05 13.83	11.67
23 05 23 00-0086 EA 1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve ..... <i>For Work In Restricted Working Space, Add</i>	231.94 16.74	13.25
23 05 23 00-0087 EA 1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve ..... <i>For Work In Restricted Working Space, Add</i>	354.87 21.20	14.11
23 05 23 00-0088 EA 1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve ..... <i>For Work In Restricted Working Space, Add</i>	419.80 24.47	16.33
23 05 23 00-0089 EA 2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve ..... <i>For Work In Restricted Working Space, Add</i>	528.14 28.91	19.29
<b>23 05 23 00-0090 Ball Valves</b> (23 05 23)		
<b>23 05 23 00-0091 Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves</b> (23 05 23 00-0090) Note: 125 LB WSP.		
23 05 23 00-0092 EA 1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	46.64 2.63 10.26 5.59	10.60
23 05 23 00-0093 EA 3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	65.20 2.63 13.83 8.60	11.67
23 05 23 00-0094 EA 1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	81.59 2.63 16.74 11.61	13.25
23 05 23 00-0095 EA 1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	113.99 2.63 21.20 19.49	14.11
23 05 23 00-0096 EA 1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	136.88 2.63 24.47 24.89	16.33
23 05 23 00-0097 EA 2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	165.67 2.63 28.91 31.18	19.29
23 05 23 00-0098 EA 2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	457.19 2.63 39.06 147.15	26.07
23 05 23 00-0099 EA 3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	527.51 2.63 45.07 169.78	30.27
23 05 23 00-0100 EA 4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	685.25 2.63 51.26 231.47	34.17

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 23 00-0101</b> <b>Screwed, 150 LB, Full Port, Carbon Steel Ball Valves</b> <small>(23 05 23 00-0090)</small>		
23 05 23 00-0102    EA    1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve .....	54.65	10.60
For Work In Restricted Working Space, Add	9.26	
23 05 23 00-0103    EA    1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve .....	60.02	10.60
For Work In Restricted Working Space, Add	10.26	
23 05 23 00-0104    EA    3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve .....	83.42	11.67
For Work In Restricted Working Space, Add	13.83	
23 05 23 00-0105    EA    1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve .....	106.00	13.25
For Work In Restricted Working Space, Add	16.74	
23 05 23 00-0106    EA    1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve .....	156.48	14.11
For Work In Restricted Working Space, Add	21.20	
23 05 23 00-0107    EA    1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve .....	190.25	16.33
For Work In Restricted Working Space, Add	24.47	
23 05 23 00-0108    EA    2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve .....	246.04	19.29
For Work In Restricted Working Space, Add	28.91	
<b>23 05 23 00-0109</b> <b>Flanged, 150 LB, Full Port, Carbon Steel Ball Valves</b> <small>(23 05 23 00-0090)</small>		
23 05 23 00-0110    EA    1-1/2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	329.89	111.32
For 250 LB Rating, Add	95.20	
For Work In Restricted Working Space, Add	41.85	
For 150 LB Rating, Add	55.21	
For Chain Operated Type, Add	95.20	
For 300 LB Rating, ASTM A182, Add	260.14	
For Work In Restricted Working Space, Add	41.85	
23 05 23 00-0111    EA    2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	412.89	141.33
For 250 LB Rating, Add	118.10	
For Work In Restricted Working Space, Add	53.01	
For 150 LB Rating, Add	68.50	
For Chain Operated Type, Add	118.10	
For 300 LB Rating, ASTM A182, Add	324.54	
For Work In Restricted Working Space, Add	53.01	
23 05 23 00-0112    EA    2-1/2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	608.99	141.58
For 250 LB Rating, Add	215.73	
For Work In Restricted Working Space, Add	53.26	
For 150 LB Rating, Add	125.12	
For Chain Operated Type, Add	215.73	
For 300 LB Rating, ASTM A182, Add	520.23	
For Work In Restricted Working Space, Add	53.26	
23 05 23 00-0113    EA    3" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	674.25	165.99
For 250 LB Rating, Add	233.25	
For Work In Restricted Working Space, Add	62.33	
For 150 LB Rating, Add	135.29	
For Chain Operated Type, Add	233.25	
For 300 LB Rating, ASTM A182, Add	570.38	
For Work In Restricted Working Space, Add	62.33	
23 05 23 00-0114    EA    4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	1,003.97	278.27
For Work In Restricted Working Space, Add	104.62	
23 05 23 00-0115    EA    6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	2,194.44	333.08
For Work In Restricted Working Space, Add	125.35	
23 05 23 00-0116    EA    8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	3,680.89	425.60
For Work In Restricted Working Space, Add	158.61	
<b>23 05 23 00-0117</b> <b>Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves</b> <small>(23 05 23 00-0090)</small>		
23 05 23 00-0118    EA    1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	39.33	10.60
For Work In Restricted Working Space, Add	10.26	
For True Union Socket Or Thread Type, Add	3.84	
23 05 23 00-0119    EA    3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	51.99	11.67
For Work In Restricted Working Space, Add	13.83	
For True Union Socket Or Thread Type, Add	4.78	
23 05 23 00-0120    EA    1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	64.01	13.25
For Work In Restricted Working Space, Add	16.74	
For True Union Socket Or Thread Type, Add	6.21	
23 05 23 00-0121    EA    1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	81.47	14.11
For Work In Restricted Working Space, Add	21.20	
For True Union Socket Or Thread Type, Add	8.03	
23 05 23 00-0122    EA    1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	100.33	16.33
For Work In Restricted Working Space, Add	24.47	
For True Union Socket Or Thread Type, Add	11.79	
23 05 23 00-0123    EA    2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	120.30	19.29
For Work In Restricted Working Space, Add	28.91	
For True Union Socket Or Thread Type, Add	14.63	
23 05 23 00-0124    EA    2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	181.66	26.07
For Work In Restricted Working Space, Add	39.06	
For True Union Socket Or Thread Type, Add	27.42	
23 05 23 00-0125    EA    3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	237.74	30.27
For Work In Restricted Working Space, Add	45.07	
For True Union Socket Or Thread Type, Add	42.89	
23 05 23 00-0126    EA    4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	338.21	34.17
For Work In Restricted Working Space, Add	51.26	
For True Union Socket Or Thread Type, Add	75.91	



		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 23 00-0127 Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves <small>(23 05 23 00-0090)</small></b>				
23 05 23 00-0128	EA	1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	83.68 13.89 16.82	15.90
23 05 23 00-0129	EA	3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	86.12 14.63 16.82	15.90
23 05 23 00-0130	EA	1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	88.67 15.39 16.82	15.90
23 05 23 00-0131	EA	3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	108.77 20.75 17.83	17.49
23 05 23 00-0132	EA	1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	142.40 25.11 26.41	19.88
23 05 23 00-0133	EA	1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	186.35 31.81 36.15	21.15
23 05 23 00-0134	EA	1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	229.14 36.70 48.06	24.49
23 05 23 00-0135	EA	2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	318.40 43.37 78.22	28.95
23 05 23 00-0136	EA	2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	617.12 58.58 189.83	39.10
23 05 23 00-0137	EA	3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	895.19 67.60 301.44	45.40
<b>23 05 23 00-0138 Plastic Ball Valves <small>(23 05 23 00-0090)</small></b>				
Note: Threaded or socket.				
<b>23 05 23 00-0139 Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valves <small>(23 05 23 00-0138)</small></b>				
23 05 23 00-0140	EA	3/8" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) .....	69.81	10.60
23 05 23 00-0141	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) .....	72.91	10.60
23 05 23 00-0142	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) .....	92.04	11.67
23 05 23 00-0143	EA	1" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) .....	120.04	13.25
23 05 23 00-0144	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) .....	142.35	14.11
23 05 23 00-0145	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) .....	172.89	16.33
23 05 23 00-0146	EA	2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) .....	210.91	19.29
<b>23 05 23 00-0147 Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valves <small>(23 05 23 00-0138)</small></b>				
23 05 23 00-0148	EA	3/8" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	106.31	10.60
23 05 23 00-0149	EA	1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	107.75	10.60
23 05 23 00-0150	EA	3/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	135.17	11.67
23 05 23 00-0151	EA	1" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	166.94	13.25
23 05 23 00-0152	EA	1-1/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	253.15	14.11
23 05 23 00-0153	EA	1-1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	280.62	16.33
23 05 23 00-0154	EA	2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....	336.91	19.29
<b>23 05 23 00-0155 Viton Liner And Seals, Polypropylene (PP) Ball Valves <small>(23 05 23 00-0138)</small></b>				
23 05 23 00-0156	EA	3/8" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	118.75	10.60
23 05 23 00-0157	EA	1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	128.48	10.60
23 05 23 00-0158	EA	3/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	146.78	11.67
23 05 23 00-0159	EA	1" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	180.21	13.25
23 05 23 00-0160	EA	1-1/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	226.61	14.11
23 05 23 00-0161	EA	1-1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	272.32	16.33
23 05 23 00-0162	EA	2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	353.49	19.29
<b>23 05 23 00-0163 Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valves <small>(23 05 23 00-0138)</small></b>				
23 05 23 00-0164	EA	3/8" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) .....	241.50	10.60
23 05 23 00-0165	EA	1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) .....	257.87	10.60
23 05 23 00-0166	EA	3/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) .....	306.02	11.67
23 05 23 00-0167	EA	1" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) .....	357.70	13.25

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0168 EA 1-1/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) .....	435.62	14.11
23 05 23 00-0169 EA 1-1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) .....	479.67	16.33
23 05 23 00-0170 EA 2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	552.55	19.29
<b>23 05 23 00-0171 Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valves</b> <small>(23 05 23 00-0138)</small>		
23 05 23 00-0172 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	46.61	10.60
23 05 23 00-0173 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	62.43	11.67
23 05 23 00-0174 EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	75.71	13.25
23 05 23 00-0175 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	105.85	14.11
23 05 23 00-0176 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	116.73	16.33
23 05 23 00-0177 EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	142.74	19.29
<b>23 05 23 00-0178 Plastic, True Union, Ball Valves</b> <small>(23 05 23 00-0090)</small>		
<b>23 05 23 00-0179 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valves</b> <small>(23 05 23 00-0178)</small>		
Note: Socket or NPT connectors.		
23 05 23 00-0180 EA 3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	115.43	10.60
23 05 23 00-0181 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	120.19	10.60
23 05 23 00-0182 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	145.12	11.67
23 05 23 00-0183 EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	178.55	13.25
23 05 23 00-0184 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	215.00	14.11
23 05 23 00-0185 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	247.44	16.33
23 05 23 00-0186 EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	303.73	19.29
<b>23 05 23 00-0187 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valves</b> <small>(23 05 23 00-0178)</small>		
Note: Socket or NPT connectors.		
23 05 23 00-0188 EA 3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	117.09	10.60
23 05 23 00-0189 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	136.78	10.60
23 05 23 00-0190 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	146.78	11.67
23 05 23 00-0191 EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	178.55	13.25
23 05 23 00-0192 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	211.68	14.11
23 05 23 00-0193 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	245.78	16.33
23 05 23 00-0194 EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	303.73	19.29
<b>23 05 23 00-0195 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valves</b> <small>(23 05 23 00-0178)</small>		
Note: Socket or NPT connectors.		
23 05 23 00-0196 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	62.13	10.60
23 05 23 00-0197 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	79.60	11.67
23 05 23 00-0198 EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560).....	95.61	13.25
23 05 23 00-0199 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	126.25	14.11
23 05 23 00-0200 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	147.91	16.33
23 05 23 00-0201 EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560).....	204.20	19.29
23 05 23 00-0202 EA 2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	286.12	26.07



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0203	EA			3" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	362.55	30.27
23 05 23 00-0204	EA			4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	519.22	34.17
<b>23 05 23 00-0205 Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valves <small>(23 05 23 00-0178)</small></b>						
Note: Socket or NPT connectors.						
23 05 23 00-0206	EA			1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	73.74	10.60
23 05 23 00-0207	EA			3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	96.18	11.67
23 05 23 00-0208	EA			1" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	118.83	13.25
23 05 23 00-0209	EA			1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	166.89	14.11
23 05 23 00-0210	EA			1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	182.75	16.33
23 05 23 00-0211	EA			2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	235.72	19.29
23 05 23 00-0212	EA			2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	412.19	26.07
23 05 23 00-0213	EA			3" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	481.98	30.27
23 05 23 00-0214	EA			4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	751.45	34.17
<b>23 05 23 00-0215 Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves <small>(23 05 23 00-0178)</small></b>						
<b>23 05 23 00-0216 Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves <small>(23 05 23 00-0215)</small></b>						
23 05 23 00-0217	EA			1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	60.31	10.60
23 05 23 00-0218	EA			3/8" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	61.93	10.60
23 05 23 00-0219	EA			1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	63.36	10.60
23 05 23 00-0220	EA			3/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	80.59	11.67
23 05 23 00-0221	EA			1" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	98.66	13.25
23 05 23 00-0222	EA			1-1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	120.65	14.11
23 05 23 00-0223	EA			1-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	145.35	16.33
23 05 23 00-0224	EA			2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	185.96	19.29
23 05 23 00-0225	EA			2-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	351.64	26.07
23 05 23 00-0226	EA			3" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	390.75	30.27
23 05 23 00-0227	EA			4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	544.93	34.17
<b>23 05 23 00-0228 Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves <small>(23 05 23 00-0215)</small></b>						
23 05 23 00-0229	EA			1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	60.31	10.60
23 05 23 00-0230	EA			3/8" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	61.93	10.60
23 05 23 00-0231	EA			1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	63.36	10.60
23 05 23 00-0232	EA			3/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	80.59	11.67
23 05 23 00-0233	EA			1" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	98.66	13.25
23 05 23 00-0234	EA			1-1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	120.65	14.11
23 05 23 00-0235	EA			1-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	145.35	16.33
23 05 23 00-0236	EA			2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	185.96	19.29
23 05 23 00-0237	EA			2-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	351.64	26.07
23 05 23 00-0238	EA			3" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	390.75	30.27
23 05 23 00-0239	EA			4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	544.93	34.17
<b>23 05 23 00-0240 Crimped Bronze, Ball Valves <small>(23 05 23 00-0090)</small></b>						
<b>23 05 23 00-0241 Crimped Bronze, 250 PSI, Ball Valves <small>(23 05 23 00-0240)</small></b>						
Note: Nibco®						
23 05 23 00-0242	EA			1/2" Crimped Bronze, 250 PSI, Ball Valve .....	79.27	10.60
					<i>For Work In Restricted Working Space, Add</i>	7.16
23 05 23 00-0243	EA			3/4" Crimped Bronze, 250 PSI, Ball Valve .....	102.68	11.67
					<i>For Work In Restricted Working Space, Add</i>	8.15
23 05 23 00-0244	EA			1" Crimped Bronze, 250 PSI, Ball Valve .....	131.86	13.25
					<i>For Work In Restricted Working Space, Add</i>	9.74
23 05 23 00-0245	EA			1-1/4" Crimped Bronze, 250 PSI, Ball Valve.....	213.55	14.11
					<i>For Work In Restricted Working Space, Add</i>	10.74
23 05 23 00-0246	EA			1-1/2" Crimped Bronze, 250 PSI, Ball Valve.....	282.48	16.33
					<i>For Work In Restricted Working Space, Add</i>	11.93
23 05 23 00-0247	EA			2" Crimped Bronze, 250 PSI, Ball Valve.....	426.12	19.29
					<i>For Work In Restricted Working Space, Add</i>	14.31
<b>23 05 23 00-0248 Crimped Bronze, 200 PSI, Full Port Ball Valves <small>(23 05 23 00-0240)</small></b>						
23 05 23 00-0249	EA			1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	49.75	10.60
23 05 23 00-0250	EA			3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	63.56	11.67
23 05 23 00-0251	EA			1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	77.26	13.25

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0252 EA 1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	108.57	14.11
23 05 23 00-0253 EA 1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	140.53	16.33
23 05 23 00-0254 EA 2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	208.67	19.29
<b>23 05 23 00-0255 Crimped Bronze, 250 PSI, Full Port Ball Valves</b> (23 05 23 00-0240)		
23 05 23 00-0256 EA 1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	57.45	10.60
23 05 23 00-0257 EA 3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	69.16	11.67
23 05 23 00-0258 EA 1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	86.22	13.25
23 05 23 00-0259 EA 1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	136.56	14.11
23 05 23 00-0260 EA 1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	200.72	16.33
23 05 23 00-0261 EA 2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	278.64	19.29
<b>23 05 23 00-0262 Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves</b> (23 05 23 00-0240)		
23 05 23 00-0263 EA 1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	55.35	10.60
23 05 23 00-0264 EA 3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	67.20	11.67
23 05 23 00-0265 EA 1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	81.73	13.25
<b>23 05 23 00-0266 Globe Valves</b> (23 05 23)		
<b>23 05 23 00-0267 Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves</b> (23 05 23 00-0266)		
23 05 23 00-0268 EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	69.27	10.60
For 250 LB Rating, Add	15.78	
For Work In Restricted Working Space, Add	10.26	
For 300 LB Rating, Add	19.28	
For 200 LB Rating, Add	13.32	
For 150 LB Rating, Add	10.87	
23 05 23 00-0269 EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	65.93	10.60
For 250 LB Rating, Add	15.78	
For Work In Restricted Working Space, Add	9.26	
For 300 LB Rating, Add	19.28	
For 200 LB Rating, Add	13.32	
For 150 LB Rating, Add	10.87	
23 05 23 00-0270 EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	84.83	10.60
For 250 LB Rating, Add	23.55	
For Work In Restricted Working Space, Add	9.75	
For 300 LB Rating, Add	28.79	
For 200 LB Rating, Add	19.89	
For 150 LB Rating, Add	16.23	
23 05 23 00-0271 EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	86.55	10.60
For 250 LB Rating, Add	23.55	
For Work In Restricted Working Space, Add	10.26	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	71.26	
For 300 LB Rating, Add	28.79	
For 200 LB Rating, Add	19.89	
For 150 LB Rating, Add	16.23	
23 05 23 00-0272 EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	102.82	11.13
For 250 LB Rating, Add	25.53	
For Work In Restricted Working Space, Add	13.83	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	80.84	
For 300 LB Rating, Add	31.20	
For 200 LB Rating, Add	21.56	
For 150 LB Rating, Add	17.59	
23 05 23 00-0273 EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	132.48	11.13
For 250 LB Rating, Add	34.51	
For Work In Restricted Working Space, Add	16.74	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	106.67	
For 300 LB Rating, Add	42.17	
For 200 LB Rating, Add	29.14	
For 150 LB Rating, Add	23.77	
23 05 23 00-0274 EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	203.12	14.11
For 250 LB Rating, Add	59.60	
For Work In Restricted Working Space, Add	21.20	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	173.96	
For 300 LB Rating, Add	72.84	
For 200 LB Rating, Add	50.33	
For 150 LB Rating, Add	41.06	
23 05 23 00-0275 EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	270.83	16.33
For 250 LB Rating, Add	85.17	
For Work In Restricted Working Space, Add	24.47	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	240.82	
For 300 LB Rating, Add	104.10	
For 200 LB Rating, Add	71.92	
For 150 LB Rating, Add	58.67	
23 05 23 00-0276 EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	318.89	19.29
For 250 LB Rating, Add	100.13	
For Work In Restricted Working Space, Add	28.91	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	283.31	
For 300 LB Rating, Add	122.38	
For 200 LB Rating, Add	84.55	
For 150 LB Rating, Add	68.98	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0277 EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	354.53	26.07
<i>For 250 LB Rating, Add</i>	100.95	
<i>For Work In Restricted Working Space, Add</i>	39.06	
<i>For 300 LB Rating, Add</i>	123.39	
<i>For 200 LB Rating, Add</i>	85.25	
<i>For 150 LB Rating, Add</i>	69.55	
23 05 23 00-0278 EA 3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB.....	652.82	30.27
<i>For 250 LB Rating, Add</i>	226.17	
<i>For Work In Restricted Working Space, Add</i>	45.07	
<i>For 300 LB Rating, Add</i>	276.43	
<i>For 200 LB Rating, Add</i>	190.99	
<i>For 150 LB Rating, Add</i>	155.81	
<b>23 05 23 00-0279 Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves</b> <small>(23 05 23 00-0266)</small>		
23 05 23 00-0280 EA 2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	487.31	19.29
<i>For Chain Operated Type, Add</i>	326.43	
<i>For 250 LB Rating, Add</i>	175.92	
<i>For Work In Restricted Working Space, Add</i>	28.91	
<i>For 300 LB Rating, Add</i>	215.01	
<i>For 200 LB Rating, Add</i>	148.55	
<i>For 150 LB Rating, Add</i>	121.19	
23 05 23 00-0281 EA 2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	604.05	26.07
<i>For Chain Operated Type, Add</i>	395.67	
<i>For 250 LB Rating, Add</i>	213.24	
<i>For Work In Restricted Working Space, Add</i>	39.06	
<i>For 300 LB Rating, Add</i>	260.62	
<i>For 200 LB Rating, Add</i>	180.07	
<i>For 150 LB Rating, Add</i>	146.90	
23 05 23 00-0282 EA 3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	718.85	30.27
<i>For Chain Operated Type, Add</i>	474.81	
<i>For 250 LB Rating, Add</i>	255.88	
<i>For Work In Restricted Working Space, Add</i>	45.07	
<i>For 300 LB Rating, Add</i>	312.75	
<i>For 200 LB Rating, Add</i>	216.08	
<i>For 150 LB Rating, Add</i>	176.28	
23 05 23 00-0283 EA 4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	928.99	34.17
<i>For Chain Operated Type, Add</i>	633.07	
<i>For 250 LB Rating, Add</i>	341.18	
<i>For Work In Restricted Working Space, Add</i>	51.25	
<i>For 300 LB Rating, Add</i>	416.99	
<i>For 200 LB Rating, Add</i>	288.10	
<i>For 150 LB Rating, Add</i>	235.03	
<b>23 05 23 00-0284 Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves</b> <small>(23 05 23 00-0266)</small>		
23 05 23 00-0285 EA 2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	393.94	141.33
<i>For 150 LB Rating, Add</i>	67.34	
<i>For Work In Restricted Working Space, Add</i>	53.01	
<i>For 250 LB Rating, Add</i>	97.76	
<i>For Chain Operated Type, Add</i>	108.62	
23 05 23 00-0286 EA 2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	442.36	141.58
<i>For 150 LB Rating, Add</i>	82.10	
<i>For Work In Restricted Working Space, Add</i>	53.26	
<i>For 250 LB Rating, Add</i>	119.17	
<i>For Chain Operated Type, Add</i>	132.42	
23 05 23 00-0287 EA 3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	525.54	165.99
<i>For 150 LB Rating, Add</i>	98.51	
<i>For Work In Restricted Working Space, Add</i>	62.33	
<i>For 250 LB Rating, Add</i>	143.01	
<i>For Chain Operated Type, Add</i>	158.90	
23 05 23 00-0288 EA 4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	772.44	278.27
<i>For 150 LB Rating, Add</i>	131.35	
<i>For Work In Restricted Working Space, Add</i>	104.62	
<i>For 250 LB Rating, Add</i>	190.67	
<i>For Chain Operated Type, Add</i>	211.86	
23 05 23 00-0289 EA 5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	963.38	299.77
<i>For 150 LB Rating, Add</i>	162.66	
<i>For Work In Restricted Working Space, Add</i>	112.24	
<i>For 250 LB Rating, Add</i>	265.16	
<i>For Chain Operated Type, Add</i>	294.62	
23 05 23 00-0290 EA 6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	1,162.67	333.08
<i>For 150 LB Rating, Add</i>	230.90	
<i>For Work In Restricted Working Space, Add</i>	125.35	
<i>For 250 LB Rating, Add</i>	335.17	
<i>For Chain Operated Type, Add</i>	372.42	
23 05 23 00-0291 EA 8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	1,674.07	425.60
<i>For 150 LB Rating, Add</i>	355.07	
<i>For Work In Restricted Working Space, Add</i>	158.61	
<i>For 250 LB Rating, Add</i>	515.42	
<i>For Chain Operated Type, Add</i>	572.69	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0292	EA		10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	2,392.20	518.12
			<i>For 150 LB Rating, Add</i>	540.81	
			<i>For Work In Restricted Working Space, Add</i>	194.30	
			<i>For 250 LB Rating, Add</i>	785.05	
			<i>For Chain Operated Type, Add</i>	872.28	
23 05 23 00-0293	EA		12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	4,086.19	629.14
			<i>For 150 LB Rating, Add</i>	1,023.36	
			<i>For Work In Restricted Working Space, Add</i>	235.51	
			<i>For 250 LB Rating, Add</i>	1,485.52	
			<i>For Chain Operated Type, Add</i>	1,650.58	
<b>23 05 23 00-0294 Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves (23 05 23 00-0266)</b>					
23 05 23 00-0295	EA		1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	60.77	10.60
			<i>For 150 LB Rating, Add</i>	8.23	
			<i>For 200 LB Rating, Add</i>	10.09	
			<i>For Work In Restricted Working Space, Add</i>	10.26	
			<i>For 300 LB Rating, Add</i>	14.61	
23 05 23 00-0296	EA		1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	57.43	10.60
			<i>For 150 LB Rating, Add</i>	8.23	
			<i>For 200 LB Rating, Add</i>	10.09	
			<i>For Work In Restricted Working Space, Add</i>	9.26	
			<i>For 300 LB Rating, Add</i>	14.61	
23 05 23 00-0297	EA		3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	59.05	10.60
			<i>For 150 LB Rating, Add</i>	8.23	
			<i>For 200 LB Rating, Add</i>	10.09	
			<i>For Work In Restricted Working Space, Add</i>	9.75	
			<i>For 300 LB Rating, Add</i>	14.61	
23 05 23 00-0298	EA		1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	62.54	10.60
			<i>For 150 LB Rating, Add</i>	8.78	
			<i>For 200 LB Rating, Add</i>	10.77	
			<i>For Work In Restricted Working Space, Add</i>	10.26	
			<i>For 300 LB Rating, Add</i>	15.58	
23 05 23 00-0299	EA		3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	85.38	11.13
			<i>For 150 LB Rating, Add</i>	12.18	
			<i>For 200 LB Rating, Add</i>	14.93	
			<i>For Work In Restricted Working Space, Add</i>	13.83	
			<i>For 300 LB Rating, Add</i>	21.61	
23 05 23 00-0300	EA		1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	107.35	11.13
			<i>For 150 LB Rating, Add</i>	15.98	
			<i>For 200 LB Rating, Add</i>	19.59	
			<i>For Work In Restricted Working Space, Add</i>	16.74	
			<i>For 300 LB Rating, Add</i>	28.35	
23 05 23 00-0301	EA		1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	147.26	14.11
			<i>For 150 LB Rating, Add</i>	23.74	
			<i>For 200 LB Rating, Add</i>	29.10	
			<i>For Work In Restricted Working Space, Add</i>	21.20	
			<i>For 300 LB Rating, Add</i>	42.12	
23 05 23 00-0302	EA		1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	170.85	16.33
			<i>For 150 LB Rating, Add</i>	27.68	
			<i>For 200 LB Rating, Add</i>	33.93	
			<i>For Work In Restricted Working Space, Add</i>	24.47	
			<i>For 300 LB Rating, Add</i>	49.11	
23 05 23 00-0303	EA		2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	230.87	19.29
			<i>For 150 LB Rating, Add</i>	41.69	
			<i>For 200 LB Rating, Add</i>	51.11	
			<i>For Work In Restricted Working Space, Add</i>	28.91	
			<i>For 300 LB Rating, Add</i>	73.97	
23 05 23 00-0304	EA		2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	383.96	28.31
			<i>For 150 LB Rating, Add</i>	75.20	
			<i>For 200 LB Rating, Add</i>	92.18	
			<i>For Work In Restricted Working Space, Add</i>	42.41	
			<i>For 300 LB Rating, Add</i>	133.42	
23 05 23 00-0305	EA		3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	573.94	32.87
			<i>For 150 LB Rating, Add</i>	127.36	
			<i>For 200 LB Rating, Add</i>	156.12	
			<i>For Work In Restricted Working Space, Add</i>	48.93	
			<i>For 300 LB Rating, Add</i>	225.96	
<b>23 05 23 00-0306 Flanged, 125 LB, Iron Body, Angle Globe Valves (23 05 23 00-0266)</b>					
23 05 23 00-0307	EA		2" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	735.62	141.33
			<i>For 250 LB Rating, Add</i>	335.35	
			<i>For Work In Restricted Working Space, Add</i>	53.01	
			<i>For Chain Operated Type, Add</i>	217.98	
23 05 23 00-0308	EA		2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	838.55	141.58
			<i>For 250 LB Rating, Add</i>	396.61	
			<i>For Work In Restricted Working Space, Add</i>	53.26	
			<i>For Chain Operated Type, Add</i>	257.80	
23 05 23 00-0309	EA		3" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	986.72	165.99
			<i>For 250 LB Rating, Add</i>	467.38	
			<i>For Work In Restricted Working Space, Add</i>	62.33	
			<i>For Chain Operated Type, Add</i>	303.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0310 EA 4" Flanged, 125 LB, Iron Body, Angle Globe Valve ..... <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Chain Operated Type, Add</i>	1,461.31 667.55 104.62 433.91	278.27
23 05 23 00-0311 EA 5" Flanged, 125 LB, Iron Body, Angle Globe Valve ..... <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Chain Operated Type, Add</i>	2,368.10 1,196.38 112.24 777.64	299.77
23 05 23 00-0312 EA 6" Flanged, 125 LB, Iron Body, Angle Globe Valve ..... <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Chain Operated Type, Add</i>	2,411.80 1,196.38 125.35 777.64	333.08
23 05 23 00-0313 EA 8" Flanged, 125 LB, Iron Body, Angle Globe Valve ..... <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Chain Operated Type, Add</i>	4,431.27 2,341.55 158.61 1,522.01	425.60
 <b>23 05 23 00-0314 Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves (23 05 23 00-0266)</b> Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0315 EA 1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	200.77 9.26	17.18
23 05 23 00-0316 EA 1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	204.11 10.26	17.18
23 05 23 00-0317 EA 3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	239.37 13.83	23.11
23 05 23 00-0318 EA 1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	295.84 16.74	27.89
23 05 23 00-0319 EA 1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	482.18 21.20	35.30
23 05 23 00-0320 EA 1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	578.79 24.47	40.81
23 05 23 00-0321 EA 2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	737.01 28.91	48.24
 <b>23 05 23 00-0322 Triple Duty Valves (23 05 23)</b> Note: Valves function as a shut-off, check valve and calibrated balancing valve.		
<b>23 05 23 00-0323 Straight Pattern, Triple Duty Valves (23 05 23 00-0322)</b> Note: Bell & Gossett 3DX and 3DS-S Series.		
23 05 23 00-0324 EA 1" Threaded, Straight Pattern, Triple Duty Valve .....	301.63	11.13
23 05 23 00-0325 EA 1-1/4" Threaded, Straight Pattern, Triple Duty Valve.....	348.95	14.11
23 05 23 00-0326 EA 1-1/2" Threaded, Straight Pattern, Triple Duty Valve.....	378.42	16.33
23 05 23 00-0327 EA 2" Flanged, Straight Pattern, Triple Duty Valve .....	983.88	141.33
23 05 23 00-0328 EA 2-1/2" Flanged, Straight Pattern, Triple Duty Valve .....	1,109.96	141.58
23 05 23 00-0329 EA 3" Flanged, Straight Pattern, Triple Duty Valve .....	1,214.40	165.99
23 05 23 00-0330 EA 4" Flanged, Straight Pattern, Triple Duty Valve .....	2,491.92	278.27
23 05 23 00-0331 EA 5" Flanged, Straight Pattern Triple Duty Valve .....	2,902.37	299.77
23 05 23 00-0332 EA 6" Flanged, Straight Pattern, Triple Duty Valve .....	3,869.23	333.08
23 05 23 00-0333 EA 8" Flanged, Straight Pattern, Triple Duty Valve .....	5,214.04	425.60
23 05 23 00-0334 EA 10" Flanged, Straight Pattern, Triple Duty Valve .....	8,385.44	518.12
 <b>23 05 23 00-0335 Flanged, Angle Pattern, Triple Duty Valves (23 05 23 00-0322)</b> Note: Bell & Gossett 3D-S Series.		
23 05 23 00-0336 EA 2" Flanged, Angle Pattern, Triple Duty Valve.....	960.68	141.33
23 05 23 00-0337 EA 2-1/2" Flanged, Angle Pattern, Triple Duty Valve .....	1,082.13	141.58
23 05 23 00-0338 EA 3" Flanged, Angle Pattern, Triple Duty Valve .....	1,191.21	165.99
23 05 23 00-0339 EA 4" Flanged, Angle Pattern, Triple Duty Valve.....	2,431.61	278.27
23 05 23 00-0340 EA 5" Flanged, Angle Pattern, Triple Duty Valve.....	2,828.15	299.77
23 05 23 00-0341 EA 6" Flanged, Angle Pattern, Triple Duty Valve.....	3,173.38	333.08
23 05 23 00-0342 EA 8" Flanged, Angle Pattern, Triple Duty Valve.....	4,884.67	425.60
23 05 23 00-0343 EA 10" Flanged, Angle Pattern, Triple Duty Valve.....	6,534.49	518.12
 <b>23 05 23 00-0344 Balanced, Straight Pattern, Triple Duty Valves (23 05 23 00-0322)</b> Note: Bell & Gossett 3DS-B Series.		
23 05 23 00-0345 EA 3" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	1,112.35	165.99
23 05 23 00-0346 EA 4" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,222.86	278.27
23 05 23 00-0347 EA 5" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,591.56	299.77
23 05 23 00-0348 EA 6" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	3,447.08	333.08
23 05 23 00-0349 EA 8" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	4,638.81	425.60
23 05 23 00-0350 EA 10" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	7,425.17	518.12
23 05 23 00-0351 EA 12" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	11,194.98	629.14
23 05 23 00-0352 EA 14" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	13,609.87	740.17
23 05 23 00-0353 EA 16" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	17,064.83	814.19
 <b>23 05 23 00-0354 Grooved Straight Pattern, Triple Duty Valves (23 05 23 00-0322)</b> Note: Bell & Gossett 3DS-G Series.		
23 05 23 00-0355 EA 2" Grooved, Straight Pattern, Triple Duty Valve.....	1,059.27	26.19

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0356	EA		2-1/2" Grooved, Straight Pattern, Triple Duty Valve.....	1,262.57	31.25
23 05 23 00-0357	EA		3" Grooved, Straight Pattern, Triple Duty Valve.....	1,470.30	33.88
23 05 23 00-0358	EA		4" Grooved, Straight Pattern, Triple Duty Valve.....	2,444.23	36.52
23 05 23 00-0359	EA		5" Grooved, Straight Pattern, Triple Duty Valve.....	2,830.50	47.19
23 05 23 00-0360	EA		6" Grooved, Straight Pattern Triple Duty Valve.....	3,774.00	60.51
23 05 23 00-0361	EA		8" Grooved, Straight Pattern Triple Duty Valve.....	5,134.07	76.80
23 05 23 00-0362	EA		10" Grooved, Straight Pattern Triple Duty Valve.....	8,108.54	86.04
23 05 23 00-0363	EA		12" Grooved, Straight Pattern Triple Duty Valve.....	12,880.60	104.92
<b>23 05 23 00-0364</b>			<b>Plug Valves (23 05 23)</b>		
<b>23 05 23 00-0365</b>			<b>Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated (23 05 23 00-0364)</b>		
			Note: Includes wrench.		
23 05 23 00-0366	EA		1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	282.72	10.60
23 05 23 00-0367	EA		3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	294.60	11.67
23 05 23 00-0368	EA		1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	372.78	13.25
23 05 23 00-0369	EA		1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	445.98	14.11
23 05 23 00-0370	EA		1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	489.83	16.33
23 05 23 00-0371	EA		2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	578.19	19.29
23 05 23 00-0372	EA		2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	868.12	26.07
23 05 23 00-0373	EA		3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	1,063.12	30.27
<b>23 05 23 00-0374</b>			<b>Plug Valves, Lubricated, Semisteel Flanged (23 05 23 00-0364)</b>		
			Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0375	EA		2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	408.69	141.33
23 05 23 00-0376	EA		2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	483.11	141.58
23 05 23 00-0377	EA		3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	591.73	165.99
23 05 23 00-0378	EA		4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	868.69	278.27
23 05 23 00-0379	EA		6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	1,804.95	333.08
23 05 23 00-0380	EA		8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	3,027.73	425.60
23 05 23 00-0381	EA		10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	4,812.19	518.12
23 05 23 00-0382	EA		12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	7,106.23	629.14
<b>23 05 23 00-0383</b>			<b>Plug Valves, Forged Steel, Screwed (23 05 23 00-0364)</b>		
23 05 23 00-0384	EA		1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,097.18	10.60
23 05 23 00-0385	EA		3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,295.83	11.67
23 05 23 00-0386	EA		1" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,464.64	13.25
23 05 23 00-0387	EA		1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,756.98	14.11
23 05 23 00-0388	EA		1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,046.10	16.33
23 05 23 00-0389	EA		2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,692.71	19.29
<b>23 05 23 00-0390</b>			<b>Plug Valves, Eccentric, Cast Iron Flanged (23 05 23 00-0364)</b>		
23 05 23 00-0391	EA		4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,078.57	278.27
23 05 23 00-0392	EA		6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,669.36	333.08
23 05 23 00-0393	EA		8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	2,273.17	425.60
23 05 23 00-0394	EA		10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	3,229.67	518.12
23 05 23 00-0395	EA		12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	4,173.46	629.14
<b>23 05 23 00-0396</b>			<b>Foot Valves (23 05 23)</b>		
<b>23 05 23 00-0397</b>			<b>Single Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0396)</b>		
23 05 23 00-0398	EA		1" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	89.81	26.52
23 05 23 00-0399	EA		1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	102.25	29.69
23 05 23 00-0400	EA		1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	131.85	33.94
23 05 23 00-0401	EA		2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	174.43	38.18
23 05 23 00-0402	EA		2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	401.74	62.58
23 05 23 00-0403	EA		3" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	514.32	76.37
<b>23 05 23 00-0404</b>			<b>Double Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0396)</b>		
23 05 23 00-0405	EA		1" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	89.81	26.52
23 05 23 00-0406	EA		1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	196.74	29.69
23 05 23 00-0407	EA		1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	186.36	33.94
23 05 23 00-0408	EA		2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	254.35	38.18
23 05 23 00-0409	EA		3" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	500.81	62.58
23 05 23 00-0410	EA		4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	682.43	75.31
<b>23 05 23 00-0411</b>			<b>Float Valves (23 05 23)</b>		
<b>23 05 23 00-0412</b>			<b>Float Valve Assembly For Maintaining Liquid Level In Tanks (23 05 23 00-0411)</b>		
<b>23 05 23 00-0413</b>			<b>Single Seat, Bronze Construction (23 05 23 00-0412)</b>		
			Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0414	EA		Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve.....	215.35	22.27
23 05 23 00-0415	EA		Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve.....	246.69	26.51
23 05 23 00-0416	EA		Inlet Size 1", Maximum PSI 100, Single Seat Float Valve.....	321.13	28.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0417 EA Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve .....	537.75	36.05
23 05 23 00-0418 EA Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve .....	548.36	41.35
<b>23 05 23 00-0419 Double Seat, Bronze Construction</b> <small>(23 05 23 00-0412)</small>		
Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0420 EA Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve.....	1,171.74	22.27
23 05 23 00-0421 EA Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve.....	1,180.23	26.51
23 05 23 00-0422 EA Pipe Size 1" Maximum PSI 150, Double Seat Float Valve.....	1,362.73	28.62
23 05 23 00-0423 EA Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve .....	1,505.66	36.05
23 05 23 00-0424 EA Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve .....	1,721.22	41.35
23 05 23 00-0425 EA Pipe Size 2" Maximum PSI 150, Double Seat Float Valve.....	2,258.67	48.77
23 05 23 00-0426 EA Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve .....	2,625.09	65.42
23 05 23 00-0427 EA Pipe Size 3" Maximum PSI 150, Double Seat Float Valve.....	3,157.96	75.18
<b>23 05 23 00-0428 Float Valve Single Seated Balanced For Air Oil Or Water</b> <small>(23 05 23 00-0411)</small>		
Note: Includes arm, ball and bracket.		
<b>23 05 23 00-0429 Brass Body Threaded Ends</b> <small>(23 05 23 00-0428)</small>		
23 05 23 00-0430 EA 1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	224.77	28.73
23 05 23 00-0431 EA 3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	254.23	31.91
23 05 23 00-0432 EA 1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	315.70	35.30
23 05 23 00-0433 EA 1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket .....	504.50	57.04
23 05 23 00-0434 EA 1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket .....	527.40	65.00
23 05 23 00-0435 EA 2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	592.42	80.58
<b>23 05 23 00-0436 Cast Iron Body Flanged</b> <small>(23 05 23 00-0428)</small>		
23 05 23 00-0437 EA 2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	7,380.88	141.58
23 05 23 00-0438 EA 3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	8,925.18	165.99
<b>23 05 23 00-0439 Float Operated Valves</b> <small>(23 05 23 00-0411)</small>		
<b>23 05 23 00-0440 For Condensate Receivers Tanks And Vessels</b> <small>(23 05 23 00-0439)</small>		
Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0441 EA 1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	816.75	49.83
<b>23 05 23 00-0442 For Condensate Receivers Tanks And Vessels</b> <small>(23 05 23 00-0439)</small>		
Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0443 EA 3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	1,023.71	92.76
<b>23 05 23 00-0444 Needle Valves</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0445 Bronze Needle Valve</b> <small>(23 05 23 00-0444)</small>		
Note: For heating and cooling applications.		
23 05 23 00-0446 EA 1/4" Needle Valve, Bronze .....	111.62	10.60
23 05 23 00-0447 EA 3/8" Needle Valve, Bronze .....	124.61	10.60
23 05 23 00-0448 EA 1/2" Needle Valve, Bronze.....	136.43	10.60
23 05 23 00-0449 EA 3/4" Needle Valve, Bronze.....	207.54	11.67
23 05 23 00-0450 EA 1" Needle Valve, Bronze.....	319.16	13.25
<b>23 05 23 00-0451 Eccentric Valves With Taps</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0452 Screwed Eccentric Valves With Taps</b> <small>(23 05 23 00-0451)</small>		
23 05 23 00-0453 EA 1/2" Diameter Eccentric Valves With Taps, Screwed.....	217.77	10.60
23 05 23 00-0454 EA 3/4" Diameter Eccentric Valves With Taps, Screwed.....	232.47	11.67
23 05 23 00-0455 EA 1" Diameter Eccentric Valves With Taps, Screwed.....	293.02	13.25
23 05 23 00-0456 EA 1-1/4" Diameter Eccentric Valves With Taps, Screwed .....	355.90	14.11
23 05 23 00-0457 EA 1-1/2" Diameter Eccentric Valves With Taps, Screwed .....	389.38	16.33
23 05 23 00-0458 EA 2" Diameter Eccentric Valves With Taps, Screwed.....	457.85	19.29
23 05 23 00-0459 EA 2-1/2" Diameter Eccentric Valves With Taps, Screwed .....	689.34	26.07
23 05 23 00-0460 EA 3" Diameter Eccentric Valves With Taps, Screwed.....	836.45	30.27
<b>23 05 23 00-0461 Flanged Eccentric Valves With Taps</b> <small>(23 05 23 00-0451)</small>		
23 05 23 00-0462 EA 2-1/2" Diameter Eccentric Valves With Taps, Flanged .....	841.17	141.58
23 05 23 00-0463 EA 3" Diameter Eccentric Valves With Taps, Flanged.....	998.47	165.99
23 05 23 00-0464 EA 4" Diameter Eccentric Valves With Taps, Flanged.....	1,351.24	278.27
23 05 23 00-0465 EA 5" Diameter Eccentric Valves With Taps, Flanged.....	1,786.14	299.77
23 05 23 00-0466 EA 6" Diameter Eccentric Valves With Taps, Flanged.....	2,253.44	333.08
23 05 23 00-0467 EA 8" Diameter Eccentric Valves With Taps, Flanged.....	3,846.89	425.60
23 05 23 00-0468 EA 10" Diameter Eccentric Valves With Taps, Flanged.....	5,377.85	518.12
23 05 23 00-0469 EA 12" Diameter Eccentric Valves With Taps, Flanged.....	9,186.43	629.14
<b>23 05 23 00-0470 Earthquake-Sensitive Gas Shut-Off Valve</b> <small>(23 05 23)</small>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0471			<b>0.5 PSI Threaded Earthquake Gas Shutoff Valves</b> (23 05 23 00-0470)		
23 05 23 00-0472	EA		3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve.....	160.45	11.67
23 05 23 00-0473	EA		1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve.....	181.70	13.25
23 05 23 00-0474			<b>7 PSI Threaded Earthquake Gas Shutoff Valves</b> (23 05 23 00-0470)		
23 05 23 00-0475	EA		1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve.....	212.32	14.11
23 05 23 00-0476	EA		1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve.....	286.15	16.33
23 05 23 00-0477			<b>60 PSI Threaded Earthquake Gas Shutoff Valves</b> (23 05 23 00-0470)		
23 05 23 00-0478	EA		3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	198.22	11.67
23 05 23 00-0479	EA		1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	207.93	13.25
23 05 23 00-0480	EA		1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	233.31	14.11
23 05 23 00-0481	EA		1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	317.63	16.33
23 05 23 00-0482	EA		2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	725.90	19.29
23 05 23 00-0483	EA		2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	864.16	25.97
23 05 23 00-0484	EA		3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	1,120.73	30.27
23 05 23 00-0485	EA		4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	1,298.77	34.17
23 05 23 00-0486			<b>60 PSI Flanged Earthquake Gas Shutoff Valves</b> (23 05 23 00-0470)		
23 05 23 00-0487	EA		2" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,016.06	141.33
23 05 23 00-0488	EA		3" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,251.70	165.99
23 05 23 00-0489	EA		4" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,765.14	278.27
23 05 23 00-0490	EA		6" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	2,883.46	333.08
23 05 23 00-0491	EA		8" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	7,768.17	425.60
23 05 23 00-0492			<b>Emergency Shut-Off Valve With Fusible Link</b> (23 05 23)		
23 05 23 00-0493			<b>Threaded, Fusible Brass Gate Valves (Morrison Bros. 939)</b> (23 05 23 00-0492)		
			Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.		
23 05 23 00-0494	EA		1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	68.32	17.07
			For Work In Restricted Working Space, Add	9.26	
23 05 23 00-0495	EA		3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	69.99	18.02
			For Work In Restricted Working Space, Add	9.76	
23 05 23 00-0496	EA		1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	111.27	17.07
			For Work In Restricted Working Space, Add	10.26	
23 05 23 00-0497	EA		3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	217.20	23.01
			For Work In Restricted Working Space, Add	13.83	
23 05 23 00-0498	EA		1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	540.91	27.89
			For Work In Restricted Working Space, Add	16.74	
23 05 23 00-0499			<b>Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)</b> (23 05 23 00-0492)		
			Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
23 05 23 00-0500	EA		1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	416.64	16.33
23 05 23 00-0501	EA		2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	450.36	19.29
23 05 23 00-0502	EA		3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	755.21	30.27
23 05 23 00-0503			<b>Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)</b> (23 05 23 00-0492)		
			Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
23 05 23 00-0504	EA		2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	610.70	141.33
23 05 23 00-0505	EA		3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	985.55	165.99
23 05 23 00-0506	EA		4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	2,239.79	278.27
23 05 23 00-0507			<b>Check Valves</b> (23 05 23)		
23 05 23 00-0508			<b>Iron Body Wafer Type Check Valve</b> (23 05 23 00-0507)		
23 05 23 00-0509			<b>Single Disk Type</b> (23 05 23 00-0508)		
23 05 23 00-0510	EA		2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	447.40	141.39
			For 200 LB Rating, Add	67.66	
			For 150 LB Rating, Add	56.83	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	157.14	
			For 300 LB Rating, Add	81.19	
23 05 23 00-0511	EA		2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	532.19	141.67
			For 200 LB Rating, Add	88.64	
			For 150 LB Rating, Add	74.46	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	195.08	
			For 300 LB Rating, Add	106.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0512 EA 3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB .....	656.03	166.09
<i>For 200 LB Rating, Add</i>	112.04	
<i>For 150 LB Rating, Add</i>	94.11	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	243.25	
<i>For 300 LB Rating, Add</i>	134.45	
23 05 23 00-0513 EA 4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB .....	955.93	278.44
<i>For 200 LB Rating, Add</i>	151.75	
<i>For 150 LB Rating, Add</i>	127.47	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	342.94	
<i>For 300 LB Rating, Add</i>	182.10	
23 05 23 00-0514 EA 6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB .....	1,439.27	390.80
<i>For 200 LB Rating, Add</i>	237.70	
<i>For 150 LB Rating, Add</i>	199.66	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	525.55	
<i>For 300 LB Rating, Add</i>	285.23	
23 05 23 00-0515 EA 8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB .....	2,018.82	449.42
<i>For 200 LB Rating, Add</i>	364.77	
<i>For 150 LB Rating, Add</i>	306.41	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	768.53	
<i>For 300 LB Rating, Add</i>	437.72	
23 05 23 00-0516 EA 10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB .....	3,019.34	547.12
<i>For 200 LB Rating, Add</i>	582.61	
<i>For 150 LB Rating, Add</i>	489.39	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,186.48	
<i>For 300 LB Rating, Add</i>	699.13	
<b>23 05 23 00-0517 Twin Disc Type</b> <small>(23 05 23 00-0508)</small>		
23 05 23 00-0518 EA 2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	607.59	141.39
<i>For 200 LB Rating, Add</i>	107.70	
<i>For 150 LB Rating, Add</i>	90.47	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	229.22	
<i>For 300 LB Rating, Add</i>	129.24	
23 05 23 00-0519 EA 2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	694.66	141.67
<i>For 200 LB Rating, Add</i>	129.26	
<i>For 150 LB Rating, Add</i>	108.58	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	268.19	
<i>For 300 LB Rating, Add</i>	155.11	
23 05 23 00-0520 EA 3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	811.11	166.09
<i>For 200 LB Rating, Add</i>	150.81	
<i>For 150 LB Rating, Add</i>	126.68	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	313.03	
<i>For 300 LB Rating, Add</i>	180.97	
23 05 23 00-0521 EA 4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,115.00	278.44
<i>For 200 LB Rating, Add</i>	191.52	
<i>For 150 LB Rating, Add</i>	160.87	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	414.52	
<i>For 300 LB Rating, Add</i>	229.82	
23 05 23 00-0522 EA 6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,723.82	390.80
<i>For 200 LB Rating, Add</i>	308.83	
<i>For 150 LB Rating, Add</i>	259.42	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	653.60	
<i>For 300 LB Rating, Add</i>	370.60	
23 05 23 00-0523 EA 8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	2,444.83	449.42
<i>For 200 LB Rating, Add</i>	471.64	
<i>For 150 LB Rating, Add</i>	396.18	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	960.60	
<i>For 300 LB Rating, Add</i>	565.97	
23 05 23 00-0524 EA 10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	3,671.89	537.34
<i>For 200 LB Rating, Add</i>	746.93	
<i>For 150 LB Rating, Add</i>	627.42	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,481.31	
<i>For 300 LB Rating, Add</i>	896.32	
23 05 23 00-0525 EA 12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	4,830.87	664.35
<i>For 200 LB Rating, Add</i>	1,000.73	
<i>For 150 LB Rating, Add</i>	840.61	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,966.90	
<i>For 300 LB Rating, Add</i>	1,200.87	
23 05 23 00-0526 EA 14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	9,192.72	789.73
<i>For 200 LB Rating, Add</i>	2,034.94	
<i>For 150 LB Rating, Add</i>	1,709.35	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	3,873.48	
<i>For 300 LB Rating, Add</i>	2,441.93	
23 05 23 00-0527 EA 16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	12,649.69	926.61
<i>For 200 LB Rating, Add</i>	2,872.86	
<i>For 150 LB Rating, Add</i>	2,413.20	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	5,402.80	
<i>For 300 LB Rating, Add</i>	3,447.43	
23 05 23 00-0528 EA 18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	16,889.39	1,031.91
<i>For 200 LB Rating, Add</i>	3,900.61	
<i>For 150 LB Rating, Add</i>	3,276.51	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	7,278.49	
<i>For 300 LB Rating, Add</i>	4,680.73	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0529 EA 20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... <i>For 200 LB Rating, Add</i> <i>For 150 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i> <i>For 300 LB Rating, Add</i>	20,106.40 4,664.64 3,918.30 8,685.92 5,597.57	1,158.26
23 05 23 00-0530 EA 24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... <i>For 200 LB Rating, Add</i> <i>For 150 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i> <i>For 300 LB Rating, Add</i>	26,298.67 6,129.18 5,148.51 11,388.91 7,355.02	1,421.51
<b>23 05 23 00-0531 Lift Check Valves (23 05 23 00-0507)</b>		
<b>23 05 23 00-0532 Bronze Body, Threaded, Vertical Lift Check Valves (23 05 23 00-0531)</b> Note: Watts #600 series.		
23 05 23 00-0533 EA 3/8" Lift Check Valve, Bronze, Threaded.....	114.80	10.60
23 05 23 00-0534 EA 1/2" Lift Check Valve, Bronze, Threaded.....	121.50	10.60
23 05 23 00-0535 EA 3/4" Lift Check Valve, Bronze, Threaded.....	154.80	11.13
23 05 23 00-0536 EA 1" Lift Check Valve, Bronze, Threaded.....	204.16	11.13
23 05 23 00-0537 EA 1-1/4" Lift Check Valve, Bronze, Threaded.....	283.34	14.11
23 05 23 00-0538 EA 1-1/2" Lift Check Valve, Bronze, Threaded.....	344.88	16.33
23 05 23 00-0539 EA 2" Lift Check Valve, Bronze, Threaded.....	492.29	19.29
<b>23 05 23 00-0540 Bronze Body, Threaded, 300 LB, Lift Check Valves (23 05 23 00-0531)</b> Note: Crane 366E.		
23 05 23 00-0541 EA 1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	717.87	10.60
23 05 23 00-0542 EA 3/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	871.79	11.13
23 05 23 00-0543 EA 1" Lift Check Valve, Bronze, Threaded, 300 LB.....	1,565.19	11.13
23 05 23 00-0544 EA 1-1/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	2,086.15	14.11
23 05 23 00-0545 EA 1-1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	2,265.75	16.33
23 05 23 00-0546 EA 2" Lift Check Valve, Bronze, Threaded, 300 LB.....	2,910.91	19.29
<b>23 05 23 00-0547 Iron Body, Flanged, 125 LB Vertical Lift Check Valves (23 05 23 00-0531)</b> Note: Mueller 105MAP.		
23 05 23 00-0548 EA 2" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,043.34	141.33
23 05 23 00-0549 EA 2-1/2" Lift Check Valve, Iron Body, Flanged, 125 LB.....	980.30	141.58
23 05 23 00-0550 EA 3" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,073.32	165.99
23 05 23 00-0551 EA 4" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,511.91	278.27
23 05 23 00-0552 EA 5" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,870.45	299.77
23 05 23 00-0553 EA 6" Lift Check Valve, Iron Body, Flanged, 125 LB.....	2,292.33	333.08
23 05 23 00-0554 EA 8" Lift Check Valve, Iron Body, Flanged, 125 LB.....	3,959.56	425.60
23 05 23 00-0555 EA 10" Lift Check Valve, Iron Body, Flanged, 125 LB.....	4,967.29	518.12
23 05 23 00-0556 EA 12" Lift Check Valve, Iron Body, Flanged, 125 LB.....	7,971.70	629.14
23 05 23 00-0557 EA 14" Lift Check Valve, Iron Body, Flanged, 125 LB.....	10,932.81	913.00
23 05 23 00-0558 EA 16" Lift Check Valve, Iron Body, Flanged, 125 LB.....	12,111.82	1,004.30
<b>23 05 23 00-0559 Bronze Body Swing Check Valves (23 05 23 00-0507)</b>		
<b>23 05 23 00-0560 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves (23 05 23 00-0559)</b>		
23 05 23 00-0561 EA 1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.42 16.85 10.26	10.60
23 05 23 00-0562 EA 1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.08 16.85 9.26	10.60
23 05 23 00-0563 EA 3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.70 16.85 9.75	10.60
23 05 23 00-0564 EA 1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.11 17.51 10.26	10.60
23 05 23 00-0565 EA 3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	100.49 21.22 13.83	11.13
23 05 23 00-0566 EA 1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.68 28.81 16.74	11.13
23 05 23 00-0567 EA 1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	174.38 40.44 21.20	14.11
23 05 23 00-0568 EA 1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	226.78 56.64 24.47	16.33
23 05 23 00-0569 EA 2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	283.08 72.81 28.91	19.29
23 05 23 00-0570 EA 2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	559.39 167.39 39.06	26.07





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0571 EA 3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	760.64 238.06 45.07	30.27
23 05 23 00-0572 EA 4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	861.63 269.40 51.26	34.17
<b>23 05 23 00-0573 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves</b> <small>(23 05 23 00-0507)</small>		
23 05 23 00-0574 EA 1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	328.88 155.62 297.52 30.01	79.51
23 05 23 00-0575 EA 1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	367.38 171.46 327.78 34.57	92.77
23 05 23 00-0576 EA 1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	412.97 185.96 355.51 41.85	111.32
23 05 23 00-0577 EA 2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	516.35 230.96 441.55 53.01	141.33
23 05 23 00-0578 EA 2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	573.92 269.55 515.31 53.26	141.58
23 05 23 00-0579 EA 3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	638.51 292.92 559.99 62.33	165.99
23 05 23 00-0580 EA 4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,014.43 452.68 865.42 104.62	278.27
23 05 23 00-0581 EA 5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,351.53 664.63 1,270.61 112.24	299.77
23 05 23 00-0582 EA 6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,551.08 770.60 1,473.21 125.35	333.08
23 05 23 00-0583 EA 8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,357.97 1,923.91 3,678.06 158.61	425.60
23 05 23 00-0584 EA 10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,498.91 2,618.86 5,006.64 194.30	518.12
23 05 23 00-0585 EA 12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,790.88 4,083.98 7,807.61 235.51	629.14
23 05 23 00-0586 EA 14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,940.70 4,623.63 8,839.29 342.38	913.00
23 05 23 00-0587 EA 16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	11,158.72 6,734.28 12,874.36 376.61	1,004.30
23 05 23 00-0588 EA 18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	16,957.59 10,584.39 20,234.86 417.69	1,113.85
23 05 23 00-0589 EA 20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	23,233.47 14,731.70 28,163.54 470.76	1,255.37
23 05 23 00-0590 EA 24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	32,254.46 20,623.45 39,427.18 577.76	1,540.68
<b>23 05 23 00-0591 Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves</b> <small>(23 05 23 00-0507)</small> Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0592 EA 1/2" Class 800, Threaded, Forged Steel Swing Check Valve ..... <i>For Work In Restricted Working Space, Add</i>	183.85 10.26	10.60

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0593 EA 3/4" 800, Threaded, Forged Steel Swing Check Valve .....	215.99	11.67
<i>For Work In Restricted Working Space, Add</i>	13.83	
23 05 23 00-0594 EA 1" Class 800, Threaded, Forged Steel Swing Check Valve .....	255.32	13.25
<i>For Work In Restricted Working Space, Add</i>	16.74	
23 05 23 00-0595 EA 1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve .....	396.97	14.11
<i>For Work In Restricted Working Space, Add</i>	21.20	
23 05 23 00-0596 EA 1-1/2" 800, Threaded, Forged Steel Swing Check Valve .....	471.24	16.33
<i>For Work In Restricted Working Space, Add</i>	24.47	
23 05 23 00-0597 EA 2" Class 800, Threaded, Forged Steel Swing Check Valve .....	638.81	19.29
<i>For Work In Restricted Working Space, Add</i>	28.91	
<b>23 05 23 00-0598 Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections <small>(23 05 23 00-0507)</small></b>		
23 05 23 00-0599 EA 1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB .....	55.17	10.60
<i>For Work In Restricted Working Space, Add</i>	10.26	
23 05 23 00-0600 EA 3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB .....	67.05	11.67
<i>For Work In Restricted Working Space, Add</i>	13.83	
23 05 23 00-0601 EA 1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB .....	77.58	13.25
<i>For Work In Restricted Working Space, Add</i>	16.74	
23 05 23 00-0602 EA 1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB .....	93.36	14.11
<i>For Work In Restricted Working Space, Add</i>	21.20	
23 05 23 00-0603 EA 1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB .....	105.56	16.33
<i>For Work In Restricted Working Space, Add</i>	24.47	
23 05 23 00-0604 EA 2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB .....	133.69	19.29
<i>For Work In Restricted Working Space, Add</i>	28.91	
23 05 23 00-0605 EA 2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB .....	183.31	26.07
<i>For Work In Restricted Working Space, Add</i>	39.06	
23 05 23 00-0606 EA 3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB .....	219.15	30.27
<i>For Work In Restricted Working Space, Add</i>	45.07	
<b>23 05 23 00-0607 Polyvinyl Chloride (PVC) Body, Swing Check Valves <small>(23 05 23 00-0507)</small></b>		
<b>23 05 23 00-0608 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals <small>(23 05 23 00-0607)</small></b>		
23 05 23 00-0609 EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals .....	637.16	136.69
<i>For Work In Restricted Working Space, Add</i>	52.31	
23 05 23 00-0610 EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals .....	804.73	231.89
<i>For Work In Restricted Working Space, Add</i>	86.15	
23 05 23 00-0611 EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals .....	1,291.65	277.56
<i>For Work In Restricted Working Space, Add</i>	114.29	
23 05 23 00-0612 EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals .....	1,733.60	351.58
<i>For Work In Restricted Working Space, Add</i>	129.53	
<b>23 05 23 00-0613 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals <small>(23 05 23 00-0607)</small></b>		
23 05 23 00-0614 EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals .....	756.59	136.69
<i>For Work In Restricted Working Space, Add</i>	52.31	
23 05 23 00-0615 EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals .....	1,068.47	231.89
<i>For Work In Restricted Working Space, Add</i>	86.15	
23 05 23 00-0616 EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals .....	1,541.47	277.56
<i>For Work In Restricted Working Space, Add</i>	114.29	
23 05 23 00-0617 EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals .....	2,032.18	351.58
<i>For Work In Restricted Working Space, Add</i>	129.53	
<b>23 05 23 00-0618 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter Weights <small>(23 05 23 00-0607)</small></b>		
23 05 23 00-0619 EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights .....	788.11	136.69
<i>For Work In Restricted Working Space, Add</i>	52.31	
23 05 23 00-0620 EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights .....	1,070.96	231.89
<i>For Work In Restricted Working Space, Add</i>	86.15	
23 05 23 00-0621 EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights .....	1,430.99	277.56
<i>For Work In Restricted Working Space, Add</i>	114.29	
23 05 23 00-0622 EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights .....	1,848.39	351.58
<i>For Work In Restricted Working Space, Add</i>	129.53	
<b>23 05 23 00-0623 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals And Counter Weights <small>(23 05 23 00-0607)</small></b>		
23 05 23 00-0624 EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights .....	887.63	136.69
<i>For Work In Restricted Working Space, Add</i>	52.31	
23 05 23 00-0625 EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights .....	1,216.11	231.89
<i>For Work In Restricted Working Space, Add</i>	86.15	
23 05 23 00-0626 EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights .....	1,638.34	277.56
<i>For Work In Restricted Working Space, Add</i>	114.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0627 EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights ..... <i>For Work In Restricted Working Space, Add</i>	2,097.21 129.53	351.58
<b>23 05 23 00-0628 Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves</b> <small>(23 05 23 00-0507)</small>		
<i>Note: Nibco®</i>		
23 05 23 00-0629 EA 1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	151.90 7.16	10.60
23 05 23 00-0630 EA 3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	193.45 8.15	11.67
23 05 23 00-0631 EA 1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	267.55 9.74	13.25
23 05 23 00-0632 EA 1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	356.86 10.74	14.11
23 05 23 00-0633 EA 1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	425.82 11.93	16.33
23 05 23 00-0634 EA 2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	609.60 14.31	19.29
<b>23 05 23 00-0635 Crimped Bronze, 250 PSI, In-Line, Check Valves</b> <small>(23 05 23 00-0507)</small>		
23 05 23 00-0636 EA 1/2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	43.84	10.60
23 05 23 00-0637 EA 3/4" Crimped Bronze, 200 PSI, In-Line Check Valve.....	52.74	11.67
23 05 23 00-0638 EA 1" Crimped Bronze, 200 PSI, In-Line Check Valve.....	61.94	13.25
23 05 23 00-0639 EA 1-1/4" Crimped Bronze, 200 PSI, In-Line Check Valve.....	78.41	14.11
23 05 23 00-0640 EA 1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	100.26	16.33
23 05 23 00-0641 EA 2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	157.82	19.29
<b>23 05 23 00-0642 Diaphragm Valves</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0643 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves</b> <small>(23 05 23 00-0642)</small>		
23 05 23 00-0644 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	271.14	31.73
23 05 23 00-0645 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	349.10	35.15
23 05 23 00-0646 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	377.07	43.45
23 05 23 00-0647 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	599.68	64.93
23 05 23 00-0648 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	972.91	78.11
<b>23 05 23 00-0649 Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves</b> <small>(23 05 23 00-0642)</small>		
23 05 23 00-0650 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	235.92	50.89
23 05 23 00-0651 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	273.49	53.02
23 05 23 00-0652 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	326.25	79.51
23 05 23 00-0653 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	491.40	111.32
23 05 23 00-0654 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	772.79	141.33
23 05 23 00-0655 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	977.42	141.58
23 05 23 00-0656 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,211.40	165.99
23 05 23 00-0657 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,726.50	278.27
23 05 23 00-0658 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	3,504.56	333.08
23 05 23 00-0659 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	5,423.48	425.60
<b>23 05 23 00-0660 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves</b> <small>(23 05 23 00-0642)</small>		
23 05 23 00-0661 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	163.01	31.73
23 05 23 00-0662 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	215.34	35.15
23 05 23 00-0663 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	243.31	43.45
23 05 23 00-0664 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	417.54	64.93
23 05 23 00-0665 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	548.88	78.11

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 23 00-0666 Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves</b> <small>(23 05 23 00-0642)</small>		
23 05 23 00-0667 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	162.37	50.89
23 05 23 00-0668 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	189.12	53.02
23 05 23 00-0669 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	241.87	79.51
23 05 23 00-0670 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	376.50	111.32
23 05 23 00-0671 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	505.26	141.33
23 05 23 00-0672 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	605.90	141.58
23 05 23 00-0673 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	735.61	165.99
23 05 23 00-0674 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	1,165.65	278.27
23 05 23 00-0675 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	2,248.07	333.08
23 05 23 00-0676 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	3,430.56	425.60
<b>23 05 23 00-0677 125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves</b> <small>(23 05 23 00-0642)</small>		
23 05 23 00-0678 EA 1" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	300.83	79.51
23 05 23 00-0679 EA 1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	482.06	111.32
23 05 23 00-0680 EA 2" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	646.24	141.33
23 05 23 00-0681 EA 2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	909.88	141.58
23 05 23 00-0682 EA 3" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	1,008.02	165.99
23 05 23 00-0683 EA 4" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	1,586.04	278.27
23 05 23 00-0684 EA 6" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	3,105.09	333.08
23 05 23 00-0685 EA 8" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	6,381.55	425.60
<b>23 05 23 00-0686 Solenoid Valves</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0687 Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure</b> <small>(23 05 23 00-0686)</small>		
23 05 23 00-0688 EA 1/4" Solenoid Valve, Bronze, 150 PSI, Water .....	119.15	10.60
23 05 23 00-0689 EA 1/2" Solenoid Valve, Bronze, 150 PSI, Water .....	138.30	10.60
23 05 23 00-0690 EA 3/4" Solenoid Valve, Bronze, 150 PSI, Water .....	176.99	11.67
23 05 23 00-0691 EA 1" Solenoid Valve, Bronze, 150 PSI, Water .....	260.82	13.25
23 05 23 00-0692 EA 1-1/2" Solenoid Valve, Bronze, 150 PSI, Water .....	460.06	16.33
23 05 23 00-0693 EA 2" Solenoid Valve, Bronze, 150 PSI, Water .....	720.42	19.29
23 05 23 00-0694 EA 2-1/2" Solenoid Valve, Bronze, 150 PSI, Water .....	981.27	26.07
23 05 23 00-0695 EA 3" Solenoid Valve, Bronze, 150 PSI, Water .....	1,423.56	30.27
<b>23 05 23 00-0696 Flow Control Valves And Meters</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0697 Conditioned Water Balancing Valves</b> <small>(23 05 23 00-0696)</small>		
Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0698 EA 1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	153.03	54.10
23 05 23 00-0699 EA 3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	183.52	72.13
23 05 23 00-0700 EA 1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,301.31	82.41
23 05 23 00-0701 EA 1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,399.46	101.83
23 05 23 00-0702 EA 1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,498.55	108.20
23 05 23 00-0703 EA 2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,602.02	123.68
23 05 23 00-0704 EA 2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	2,845.08	215.33
23 05 23 00-0705 EA 3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	2,738.07	246.10
23 05 23 00-0706 EA 3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,513.90	166.09
23 05 23 00-0707 EA 4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	2,125.89	278.44
23 05 23 00-0708 EA 6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	3,274.11	351.72
23 05 23 00-0709 EA 8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	4,402.31	449.42
23 05 23 00-0710 EA 10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	6,241.29	547.12
<b>23 05 23 00-0711 Read Out Meters</b> <small>(23 05 23 00-0696)</small>		
Note: For use with conditioned portable water balancing valves.		
23 05 23 00-0712 EA 0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve .....	1,159.67	
23 05 23 00-0713 EA 0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve .....	1,569.37	
23 05 23 00-0714 EA 0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve .....	1,569.37	
23 05 23 00-0715 EA 0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve .....	1,569.37	
<b>23 05 23 00-0716 Balancing Valves</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0717 Balancing Valves With Lever</b> <small>(23 05 23 00-0716)</small>		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0718 EA 1/2" Threaded Balancing Valve With Lever .....	216.04	33.41
23 05 23 00-0719 EA 3/4" Threaded Balancing Valve With Lever .....	241.98	44.02
23 05 23 00-0720 EA 1" Threaded Balancing Valve With Lever .....	607.45	50.38
23 05 23 00-0721 EA 1-1/4" Threaded Balancing Valve With Lever .....	663.56	62.58
23 05 23 00-0722 EA 1-1/2" Threaded Balancing Valve With Lever .....	707.02	66.29
23 05 23 00-0723 EA 2" Threaded Balancing Valve With Lever .....	944.40	75.84
23 05 23 00-0724 EA 2-1/2" Flanged Balancing Valve With Lever.....	1,264.99	141.67
23 05 23 00-0725 EA 3" Flanged Balancing Valve With Lever.....	1,230.51	166.09
23 05 23 00-0726 EA 4" Flanged Balancing Valve With Lever.....	1,520.43	278.44
23 05 23 00-0727 EA 5" Flanged Balancing Valve With Lever.....	2,242.94	316.55
23 05 23 00-0728 EA 6" Flanged Balancing Valve With Lever.....	2,310.13	351.72
23 05 23 00-0729 EA 8" Flanged Balancing Valve With Lever.....	3,093.84	449.42
<b>23 05 23 00-0730 Balancing Valves With Nut</b> <small>(23 05 23 00-0716)</small>		
<small>Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.</small>		
23 05 23 00-0731 EA 4" Flanged Balancing Valve With Nut .....	1,457.33	278.44
23 05 23 00-0732 EA 5" Flanged Balancing Valve With Nut .....	2,196.02	316.55
23 05 23 00-0733 EA 6" Flanged Balancing Valve With Nut .....	2,242.17	351.72
23 05 23 00-0734 EA 8" Flanged Balancing Valve With Nut .....	3,012.94	449.42
<b>23 05 23 00-0735 Balancing Valves With Hand Wheel</b> <small>(23 05 23 00-0716)</small>		
<small>Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.</small>		
23 05 23 00-0736 EA 4" Flanged Balancing Valve With Hand Wheel .....	2,065.73	278.44
23 05 23 00-0737 EA 5" Flanged Balancing Valve With Hand Wheel .....	2,840.02	316.55
23 05 23 00-0738 EA 6" Flanged Balancing Valve With Hand Wheel .....	2,886.17	351.72
23 05 23 00-0739 EA 8" Flanged Balancing Valve With Hand Wheel .....	4,158.55	449.42
23 05 23 00-0740 EA 10" Flanged Balancing Valve With Hand Wheel .....	6,437.85	547.12
23 05 23 00-0741 EA 12" Flanged Balancing Valve With Hand Wheel .....	8,461.30	446.77
23 05 23 00-0742 EA 14" Flanged Balancing Valve With Hand Wheel .....	11,025.32	842.38
<b>23 05 23 00-0743 Balancing Valves With Chain Wheel</b> <small>(23 05 23 00-0716)</small>		
<small>Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.</small>		
23 05 23 00-0744 EA 4" Flanged Balancing Valve With Chain Wheel .....	2,408.77	278.44
23 05 23 00-0745 EA 5" Flanged Balancing Valve With Chain Wheel .....	3,181.44	316.55
23 05 23 00-0746 EA 6" Flanged Balancing Valve With Chain Wheel .....	3,227.59	351.72
23 05 23 00-0747 EA 8" Flanged Balancing Valve With Chain Wheel .....	4,569.55	449.42
23 05 23 00-0748 EA 10" Flanged Balancing Valve With Chain Wheel .....	6,840.76	547.12
23 05 23 00-0749 EA 12" Flanged Balancing Valve With Chain Wheel .....	9,210.76	446.46
23 05 23 00-0750 EA 14" Flanged Balancing Valve With Chain Wheel .....	11,674.18	842.38
<b>23 05 23 00-0751 Calibrated Balancing Valves</b> <small>(23 05 23 00-0716)</small>		
<small>Note: Bell &amp; Gossett CB Series.</small>		
23 05 23 00-0752 EA 1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S) .....	126.06	10.60
23 05 23 00-0753 EA 3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S) .....	147.13	11.67
23 05 23 00-0754 EA 1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S) .....	179.80	13.25
23 05 23 00-0755 EA 1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S) .....	242.92	14.11
23 05 23 00-0756 EA 1" Threaded Calibrated Balancing Valve (CB-1) .....	192.43	13.25
23 05 23 00-0757 EA 1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4) .....	264.73	14.11
23 05 23 00-0758 EA 1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2) .....	307.74	16.34
23 05 23 00-0759 EA 2" Threaded Calibrated Balancing Valve (CB-2) .....	417.85	19.30
23 05 23 00-0760 EA 2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2) .....	784.25	28.32
23 05 23 00-0761 EA 3" Threaded Calibrated Balancing Valve (CB-3) .....	1,110.20	32.88
23 05 23 00-0762 EA 2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F) .....	1,042.35	153.80
23 05 23 00-0763 EA 3" Flanged Calibrated Balancing Valve (CB-3F) .....	1,517.14	180.32
23 05 23 00-0764 EA 4" Flanged Calibrated Balancing Valve (CB-4F) .....	2,370.54	302.30
23 05 23 00-0765 EA 5" Flanged Calibrated Balancing Valve (CB-5F) .....	3,430.86	343.67
23 05 23 00-0766 EA 6" Flanged Calibrated Balancing Valve (CB-6F) .....	4,525.62	381.85
23 05 23 00-0767 EA 8" Flanged Calibrated Balancing Valve (CB-8F) .....	8,211.40	487.92
23 05 23 00-0768 EA 10" Flanged Calibrated Balancing Valve (CB-10F) .....	11,418.59	589.67
23 05 23 00-0769 EA 12" Flanged Calibrated Balancing Valve (CB-12F) .....	24,160.27	716.02
23 05 23 00-0770 EA 4" Grooved Calibrated Balancing Valve (CB-4G) .....	2,867.69	36.52
23 05 23 00-0771 EA 5" Grooved Calibrated Balancing Valve (CB-5G) .....	3,307.59	47.19
23 05 23 00-0772 EA 6" Grooved Calibrated Balancing Valve (CB-6G) .....	4,395.55	60.51
23 05 23 00-0773 EA 8" Grooved Calibrated Balancing Valve (CB-8G) .....	8,230.85	76.80
23 05 23 00-0774 EA 10" Grooved Calibrated Balancing Valve (CB-10G) .....	11,065.84	86.04
23 05 23 00-0775 EA 12" Grooved Calibrated Balancing Valve (CB-12G) .....	22,791.12	104.92
<b>23 05 23 00-0776 Butterfly Valves</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0777 Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves</b> <small>(23 05 23 00-0776)</small>		
<small>Note: With on-off handle</small>		
23 05 23 00-0778 EA 2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	308.79	141.33
	<small>53.01</small>	
	<small>63.40</small>	
	<small>For Work In Restricted Working Space, Add</small>	
	<small>For 200 PSI, Add</small>	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0779 EA 2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	317.30	141.58
<i>For Work In Restricted Working Space, Add</i>	53.26	
<i>For 200 PSI, Add</i>	67.09	
23 05 23 00-0780 EA 3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	358.27	165.99
<i>For Work In Restricted Working Space, Add</i>	62.33	
<i>For 200 PSI, Add</i>	72.25	
23 05 23 00-0781 EA 4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	537.64	278.27
<i>For Work In Restricted Working Space, Add</i>	104.62	
<i>For 200 PSI, Add</i>	90.68	
23 05 23 00-0782 EA 5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	686.62	333.08
<i>For Work In Restricted Working Space, Add</i>	125.35	
<i>For 200 PSI, Add</i>	129.01	
23 05 23 00-0783 EA 6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	791.29	370.08
<i>For Work In Restricted Working Space, Add</i>	138.78	
<i>For 200 PSI, Add</i>	157.77	
23 05 23 00-0784 EA 8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,023.25	425.60
<i>For Work In Restricted Working Space, Add</i>	158.61	
<i>For 200 PSI, Add</i>	237.39	
23 05 23 00-0785 EA 10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,606.05	518.12
<i>For Work In Restricted Working Space, Add</i>	194.30	
<i>For 200 PSI, Add</i>	460.03	
23 05 23 00-0786 EA 12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	2,006.07	629.14
<i>For Work In Restricted Working Space, Add</i>	235.51	
<i>For 200 PSI, Add</i>	586.10	
<b>23 05 23 00-0787 Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve (23 05 23 00-0776)</b>		
23 05 23 00-0788 EA 2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,137.64	28.31
<i>For Work In Restricted Working Space, Add</i>	16.70	
23 05 23 00-0789 EA 3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,231.48	32.87
<i>For Work In Restricted Working Space, Add</i>	19.88	
23 05 23 00-0790 EA 4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,539.35	37.11
<i>For Work In Restricted Working Space, Add</i>	26.24	
<b>23 05 23 00-0791 Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valves (23 05 23 00-0776)</b>		
23 05 23 00-0792 EA 2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	539.17	141.33
<i>For Work In Restricted Working Space, Add</i>	53.01	
23 05 23 00-0793 EA 2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	543.08	141.58
<i>For Work In Restricted Working Space, Add</i>	53.26	
23 05 23 00-0794 EA 3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	591.73	165.99
<i>For Work In Restricted Working Space, Add</i>	62.33	
23 05 23 00-0795 EA 4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	781.84	278.27
<i>For Work In Restricted Working Space, Add</i>	104.62	
23 05 23 00-0796 EA 5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	956.94	333.08
<i>For Work In Restricted Working Space, Add</i>	125.35	
23 05 23 00-0797 EA 6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,059.99	370.08
<i>For Work In Restricted Working Space, Add</i>	138.78	
23 05 23 00-0798 EA 8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,302.79	425.60
<i>For Work In Restricted Working Space, Add</i>	158.61	
23 05 23 00-0799 EA 10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,647.52	518.12
<i>For Work In Restricted Working Space, Add</i>	194.30	
23 05 23 00-0800 EA 12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	2,238.00	629.14
<i>For Work In Restricted Working Space, Add</i>	235.51	
<b>23 05 23 00-0801 Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valves (23 05 23 00-0776)</b>		
23 05 23 00-0802 EA 14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	3,734.96	855.93
<i>For Work In Restricted Working Space, Add</i>	342.38	
<i>For 200 PSI, Add</i>	933.74	
23 05 23 00-0803 EA 16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	4,739.99	1,004.30
<i>For Work In Restricted Working Space, Add</i>	376.61	
<i>For 200 PSI, Add</i>	1,254.46	
23 05 23 00-0804 EA 18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	6,572.13	1,118.42
<i>For Work In Restricted Working Space, Add</i>	418.46	
<i>For 200 PSI, Add</i>	1,863.82	
23 05 23 00-0805 EA 20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	8,416.78	1,255.37
<i>For Work In Restricted Working Space, Add</i>	470.76	
<i>For 200 PSI, Add</i>	2,465.13	
23 05 23 00-0806 EA 24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	11,281.16	1,540.68
<i>For Work In Restricted Working Space, Add</i>	579.40	
<i>For 200 PSI, Add</i>	3,365.94	
23 05 23 00-0807 EA 30" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	23,157.22	2,425.57
<i>For Work In Restricted Working Space, Add</i>	926.12	
<i>For 200 PSI, Add</i>	7,225.25	
23 05 23 00-0808 EA 36" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	29,359.30	3,307.58
<i>For Work In Restricted Working Space, Add</i>	1,157.66	
<i>For 200 PSI, Add</i>	9,180.16	

**23 05 29 Hangers and Supports for HVAC Piping and Equipment (23 05)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 29 00-0001 Hangers And Supports</b> <small>(23 05 29)</small>		
<b>23 05 29 00-0002 Clevis Hangers</b> <small>(23 05 29 00-0001)</small>		
<b>23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100)</b> <small>(23 05 29 00-0002)</small>		
<i>Note: Type 1.</i>		
23 05 29 00-0004 EA 1/2" Steel Clevis Hanger (Cooper B-Line B3100).....	19.87	8.79
<i>For Work In Restricted Working Space, Add</i>	<i>5.27</i>	
23 05 29 00-0005 EA 3/4" Steel Clevis Hanger (Cooper B-Line B3100).....	21.83	9.77
<i>For Work In Restricted Working Space, Add</i>	<i>5.86</i>	
23 05 29 00-0006 EA 1" Steel Clevis Hanger (Cooper B-Line B3100).....	22.94	9.77
<i>For Work In Restricted Working Space, Add</i>	<i>6.17</i>	
23 05 29 00-0007 EA 1-1/4" Steel Clevis Hanger (Cooper B-Line B3100).....	23.86	10.56
<i>For Work In Restricted Working Space, Add</i>	<i>6.34</i>	
23 05 29 00-0008 EA 1-1/2" Steel Clevis Hanger (Cooper B-Line B3100).....	24.16	10.56
<i>For Work In Restricted Working Space, Add</i>	<i>6.34</i>	
23 05 29 00-0009 EA 2" Steel Clevis Hanger (Cooper B-Line B3100).....	25.33	10.74
<i>For Work In Restricted Working Space, Add</i>	<i>6.51</i>	
23 05 29 00-0010 EA 2-1/2" Steel Clevis Hanger (Cooper B-Line B3100).....	28.22	11.13
<i>For Work In Restricted Working Space, Add</i>	<i>6.70</i>	
23 05 29 00-0011 EA 3" Steel Clevis Hanger (Cooper B-Line B3100).....	30.38	11.71
<i>For Work In Restricted Working Space, Add</i>	<i>6.89</i>	
23 05 29 00-0012 EA 3-1/2" Steel Clevis Hanger (Cooper B-Line B3100).....	31.61	12.87
<i>For Work In Restricted Working Space, Add</i>	<i>7.35</i>	
23 05 29 00-0013 EA 4" Steel Clevis Hanger (Cooper B-Line B3100).....	34.96	13.67
<i>For Work In Restricted Working Space, Add</i>	<i>7.81</i>	
23 05 29 00-0014 EA 5" Steel Clevis Hanger (Cooper B-Line B3100).....	45.06	16.35
<i>For Work In Restricted Working Space, Add</i>	<i>9.81</i>	
23 05 29 00-0015 EA 6" Steel Clevis Hanger (Cooper B-Line B3100).....	54.30	19.53
<i>For Work In Restricted Working Space, Add</i>	<i>11.72</i>	
23 05 29 00-0016 EA 8" Steel Clevis Hanger (Cooper B-Line B3100).....	74.08	24.42
<i>For Work In Restricted Working Space, Add</i>	<i>14.65</i>	
23 05 29 00-0017 EA 10" Steel Clevis Hanger (Cooper B-Line B3100).....	110.11	33.20
<i>For Work In Restricted Working Space, Add</i>	<i>19.53</i>	
23 05 29 00-0018 EA 12" Steel Clevis Hanger (Cooper B-Line B3100).....	129.95	36.61
<i>For Work In Restricted Working Space, Add</i>	<i>21.97</i>	
23 05 29 00-0019 EA 14" Steel Clevis Hanger (Cooper B-Line B3100).....	163.86	41.01
<i>For Work In Restricted Working Space, Add</i>	<i>25.19</i>	
23 05 29 00-0020 EA 16" Steel Clevis Hanger (Cooper B-Line B3100).....	206.08	48.82
<i>For Work In Restricted Working Space, Add</i>	<i>29.29</i>	
23 05 29 00-0021 EA 18" Steel Clevis Hanger (Cooper B-Line B3100).....	256.76	61.03
<i>For Work In Restricted Working Space, Add</i>	<i>36.62</i>	
23 05 29 00-0022 EA 20" Steel Clevis Hanger (Cooper B-Line B3100).....	429.49	73.24
<i>For Work In Restricted Working Space, Add</i>	<i>43.94</i>	
23 05 29 00-0023 EA 24" Steel Clevis Hanger (Cooper B-Line B3100).....	670.83	85.43
<i>For Work In Restricted Working Space, Add</i>	<i>51.26</i>	
<b>23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)</b> <small>(23 05 29 00-0002)</small>		
23 05 29 00-0025 EA 1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	25.97	8.79
<i>For Work In Restricted Working Space, Add</i>	<i>5.27</i>	
23 05 29 00-0026 EA 3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	27.93	9.77
<i>For Work In Restricted Working Space, Add</i>	<i>5.86</i>	
23 05 29 00-0027 EA 1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	29.17	9.77
<i>For Work In Restricted Working Space, Add</i>	<i>6.17</i>	
23 05 29 00-0028 EA 1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	30.23	10.56
<i>For Work In Restricted Working Space, Add</i>	<i>6.34</i>	
23 05 29 00-0029 EA 1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	31.01	10.56
<i>For Work In Restricted Working Space, Add</i>	<i>6.34</i>	
23 05 29 00-0030 EA 2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	31.79	10.74
<i>For Work In Restricted Working Space, Add</i>	<i>6.51</i>	
23 05 29 00-0031 EA 2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	36.11	11.13
<i>For Work In Restricted Working Space, Add</i>	<i>6.70</i>	
23 05 29 00-0032 EA 3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	38.01	11.71
<i>For Work In Restricted Working Space, Add</i>	<i>6.89</i>	
23 05 29 00-0033 EA 3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	42.55	13.67
<i>For Work In Restricted Working Space, Add</i>	<i>7.81</i>	
23 05 29 00-0034 EA 4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	47.70	13.67
<i>For Work In Restricted Working Space, Add</i>	<i>7.81</i>	
23 05 29 00-0035 EA 5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	80.97	16.35
<i>For Work In Restricted Working Space, Add</i>	<i>9.81</i>	
23 05 29 00-0036 EA 6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	100.74	19.53
<i>For Work In Restricted Working Space, Add</i>	<i>11.72</i>	
23 05 29 00-0037 EA 8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	119.35	24.42
<i>For Work In Restricted Working Space, Add</i>	<i>14.65</i>	
<b>23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)</b> <small>(23 05 29 00-0002)</small>		
23 05 29 00-0039 EA 1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	19.65	8.79
<i>For Work In Restricted Working Space, Add</i>	<i>5.27</i>	
23 05 29 00-0040 EA 3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	21.66	9.77
<i>For Work In Restricted Working Space, Add</i>	<i>5.86</i>	
23 05 29 00-0041 EA 1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	22.89	9.77
<i>For Work In Restricted Working Space, Add</i>	<i>6.17</i>	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0042	EA		1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	23.52	10.56
			<i>For Work In Restricted Working Space, Add</i>	6.34	
23 05 29 00-0043	EA		1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	23.69	10.56
			<i>For Work In Restricted Working Space, Add</i>	6.34	
23 05 29 00-0044	EA		2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	24.38	10.74
			<i>For Work In Restricted Working Space, Add</i>	6.51	
23 05 29 00-0045	EA		2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	26.97	11.13
			<i>For Work In Restricted Working Space, Add</i>	6.70	
23 05 29 00-0046	EA		3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	28.26	11.71
			<i>For Work In Restricted Working Space, Add</i>	6.89	
23 05 29 00-0047	EA		3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	31.81	13.67
			<i>For Work In Restricted Working Space, Add</i>	7.81	
23 05 29 00-0048	EA		4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	33.02	13.67
			<i>For Work In Restricted Working Space, Add</i>	7.81	
<b>23 05 29 00-0049</b>			<b>Extended Steel Clevis Hanger (Cooper B-Line B3108)</b> <small>(23 05 29 00-0002)</small>		
23 05 29 00-0050	EA		3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	29.28	9.77
			<i>For Work In Restricted Working Space, Add</i>	5.86	
23 05 29 00-0051	EA		1" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	30.39	9.77
			<i>For Work In Restricted Working Space, Add</i>	6.17	
23 05 29 00-0052	EA		1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	30.97	10.56
			<i>For Work In Restricted Working Space, Add</i>	6.34	
23 05 29 00-0053	EA		1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	32.18	10.56
			<i>For Work In Restricted Working Space, Add</i>	6.34	
23 05 29 00-0054	EA		2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	34.77	10.74
			<i>For Work In Restricted Working Space, Add</i>	6.51	
23 05 29 00-0055	EA		2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	37.54	11.13
			<i>For Work In Restricted Working Space, Add</i>	6.70	
23 05 29 00-0056	EA		3" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	39.52	11.71
			<i>For Work In Restricted Working Space, Add</i>	6.89	
23 05 29 00-0057	EA		4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	47.87	13.67
			<i>For Work In Restricted Working Space, Add</i>	7.81	
23 05 29 00-0058	EA		5" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	60.44	16.35
			<i>For Work In Restricted Working Space, Add</i>	9.81	
23 05 29 00-0059	EA		6" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	74.92	19.53
			<i>For Work In Restricted Working Space, Add</i>	11.72	
23 05 29 00-0060	EA		8" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	107.91	24.42
			<i>For Work In Restricted Working Space, Add</i>	14.65	
23 05 29 00-0061	EA		10" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	152.48	33.20
			<i>For Work In Restricted Working Space, Add</i>	19.53	
23 05 29 00-0062	EA		12" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	171.24	36.61
			<i>For Work In Restricted Working Space, Add</i>	21.97	
<b>23 05 29 00-0063</b>			<b>Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)</b> <small>(23 05 29 00-0002)</small>		
23 05 29 00-0064	EA		2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	36.21	10.74
			<i>For Work In Restricted Working Space, Add</i>	6.51	
23 05 29 00-0065	EA		2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	38.88	11.13
			<i>For Work In Restricted Working Space, Add</i>	6.70	
23 05 29 00-0066	EA		3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	41.04	11.71
			<i>For Work In Restricted Working Space, Add</i>	6.89	
23 05 29 00-0067	EA		3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	45.28	13.67
			<i>For Work In Restricted Working Space, Add</i>	7.81	
23 05 29 00-0068	EA		4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	48.31	13.67
			<i>For Work In Restricted Working Space, Add</i>	7.81	
23 05 29 00-0069	EA		5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	59.88	16.35
			<i>For Work In Restricted Working Space, Add</i>	9.81	
23 05 29 00-0070	EA		6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	69.64	19.53
			<i>For Work In Restricted Working Space, Add</i>	11.72	
23 05 29 00-0071	EA		8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	93.27	24.42
			<i>For Work In Restricted Working Space, Add</i>	14.65	
<b>23 05 29 00-0072</b>			<b>Adjustable Hangers</b> <small>(23 05 29 00-0001)</small>		
<b>23 05 29 00-0073</b>			<b>Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)</b> <small>(23 05 29 00-0072)</small>		
			Note: Type 5.		
23 05 29 00-0074	EA		1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	18.34	7.70
			<i>For Work In Restricted Working Space, Add</i>	4.62	
23 05 29 00-0075	EA		3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	20.02	8.54
			<i>For Work In Restricted Working Space, Add</i>	5.12	
23 05 29 00-0076	EA		1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	21.89	9.49
			<i>For Work In Restricted Working Space, Add</i>	5.69	
23 05 29 00-0077	EA		1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	24.11	10.54
			<i>For Work In Restricted Working Space, Add</i>	6.32	
23 05 29 00-0078	EA		1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	25.35	11.06
			<i>For Work In Restricted Working Space, Add</i>	6.64	
23 05 29 00-0079	EA		2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	27.31	11.60
			<i>For Work In Restricted Working Space, Add</i>	6.96	
23 05 29 00-0080	EA		2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	32.13	12.12
			<i>For Work In Restricted Working Space, Add</i>	7.28	
23 05 29 00-0081	EA		3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	33.58	12.65
			<i>For Work In Restricted Working Space, Add</i>	7.59	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0082 EA 4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	40.50 8.54	14.23
<b>23 05 29 00-0083 Adjustable Swivel Steel Ring (Cooper B-Line B3170) (23 05 29 00-0072)</b> Note: Type 10.		
23 05 29 00-0084 EA 1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	20.88 5.86 8.91 11.48	9.77
23 05 29 00-0085 EA 3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	22.02 6.17 9.70 12.50	9.77
23 05 29 00-0086 EA 1" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	23.16 6.51 9.70 12.50	10.74
23 05 29 00-0087 EA 1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	24.62 6.89 10.89 14.03	11.71
23 05 29 00-0088 EA 1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	27.69 7.81 10.89 14.03	13.67
23 05 29 00-0089 EA 2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	29.62 8.37 11.42 14.71	13.67
23 05 29 00-0090 EA 2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	32.86 9.01 18.61 23.97	14.65
23 05 29 00-0091 EA 3" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	35.50 9.77 19.47 25.08	16.60
23 05 29 00-0092 EA 3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	39.58 10.69 26.07 33.58	17.82
23 05 29 00-0093 EA 4" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	43.00 11.72 26.07 33.58	19.53
23 05 29 00-0094 EA 5" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	52.13 13.18 54.05 69.62	21.97
23 05 29 00-0095 EA 6" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	57.14 14.65 54.91 70.72	24.42
23 05 29 00-0096 EA 8" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	68.47 17.58 65.21 83.98	29.29
<b>23 05 29 00-0097 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) (23 05 29 00-0072)</b>		
23 05 29 00-0098 EA 1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	23.21 5.86 24.29 31.28	9.77
23 05 29 00-0099 EA 3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	24.23 6.17 24.29 31.28	9.77
23 05 29 00-0100 EA 1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	25.37 6.51 24.29 31.28	10.74
23 05 29 00-0101 EA 1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	26.65 6.89 24.29 31.28	11.71
23 05 29 00-0102 EA 1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	30.03 7.81 26.33 33.92	13.67
23 05 29 00-0103 EA 2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	31.88 8.37 26.33 33.92	13.67

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0104 EA 2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	40.50	14.65
For Work In Restricted Working Space, Add	9.01	
For 304 Stainless Steel, Add	69.04	
For 316 Stainless Steel, Add	88.91	
23 05 29 00-0105 EA 3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	45.51	16.60
For Work In Restricted Working Space, Add	9.77	
For 304 Stainless Steel, Add	85.54	
For 316 Stainless Steel, Add	110.16	
23 05 29 00-0106 EA 3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	49.61	17.82
For Work In Restricted Working Space, Add	10.69	
For 304 Stainless Steel, Add	92.27	
For 316 Stainless Steel, Add	118.83	
23 05 29 00-0107 EA 4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	56.07	19.53
For Work In Restricted Working Space, Add	11.72	
For 304 Stainless Steel, Add	112.33	
For 316 Stainless Steel, Add	144.67	
23 05 29 00-0108 EA 5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	61.20	21.97
For Work In Restricted Working Space, Add	13.18	
For 304 Stainless Steel, Add	113.92	
For 316 Stainless Steel, Add	146.71	
23 05 29 00-0109 EA 6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	73.80	24.42
For Work In Restricted Working Space, Add	14.65	
For 304 Stainless Steel, Add	164.87	
For 316 Stainless Steel, Add	212.33	
<b>23 05 29 00-0110 Roller Hangers</b> <small>(23 05 29 00-0001)</small>		
<b>23 05 29 00-0111 Single Pipe Roll (Cooper B-Line B3114)</b> <small>(23 05 29 00-0110)</small>		
Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0112 EA 2" Single Pipe Roll (Cooper B-Line B3114).....	34.74	7.82
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	4.69	
23 05 29 00-0113 EA 2-1/2" Single Pipe Roll (Cooper B-Line B3114).....	38.12	8.80
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	5.27	
23 05 29 00-0114 EA 3" Single Pipe Roll (Cooper B-Line B3114).....	42.18	10.26
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	6.16	
23 05 29 00-0115 EA 3-1/2" Single Pipe Roll (Cooper B-Line B3114).....	48.58	11.72
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	7.04	
23 05 29 00-0116 EA 4" Single Pipe Roll (Cooper B-Line B3114).....	68.71	13.19
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	7.91	
23 05 29 00-0117 EA 5" Single Pipe Roll (Cooper B-Line B3114).....	59.81	14.66
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	8.79	
23 05 29 00-0118 EA 6" Single Pipe Roll (Cooper B-Line B3114).....	74.77	17.58
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	10.55	
23 05 29 00-0119 EA 8" Single Pipe Roll (Cooper B-Line B3114).....	102.46	20.52
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	12.31	
23 05 29 00-0120 EA 10" Single Pipe Roll (Cooper B-Line B3114).....	121.42	24.43
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	14.66	
<b>23 05 29 00-0121 Adjustable Clevis Roller Hanger (Cooper B-Line B3110)</b> <small>(23 05 29 00-0110)</small>		
Note: Type 43.		
23 05 29 00-0122 EA 2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	50.91	13.79
For Work In Restricted Working Space, Add	7.96	
For 304 Stainless Steel, Add	160.97	
For 316 Stainless Steel, Add	207.32	
23 05 29 00-0123 EA 2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	52.81	14.21
For Work In Restricted Working Space, Add	8.53	
For 304 Stainless Steel, Add	160.97	
For 316 Stainless Steel, Add	207.32	
23 05 29 00-0124 EA 3" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	57.52	14.85
For Work In Restricted Working Space, Add	9.09	
For 304 Stainless Steel, Add	179.59	
For 316 Stainless Steel, Add	231.29	
23 05 29 00-0125 EA 3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	68.04	15.91
For Work In Restricted Working Space, Add	9.55	
For 304 Stainless Steel, Add	239.05	
For 316 Stainless Steel, Add	307.87	
23 05 29 00-0126 EA 4" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	71.58	18.03
For Work In Restricted Working Space, Add	10.61	
For 304 Stainless Steel, Add	239.05	
For 316 Stainless Steel, Add	307.87	
23 05 29 00-0127 EA 5" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	81.10	19.41
For Work In Restricted Working Space, Add	11.65	
For 304 Stainless Steel, Add	279.05	
For 316 Stainless Steel, Add	359.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0128 EA 6" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	94.94	21.22
<i>For Work In Restricted Working Space, Add</i>	12.73	
<i>For 304 Stainless Steel, Add</i>	346.57	
<i>For 316 Stainless Steel, Add</i>	446.34	
23 05 29 00-0129 EA 8" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	131.63	26.52
<i>For Work In Restricted Working Space, Add</i>	15.91	
<i>For 304 Stainless Steel, Add</i>	518.69	
<i>For 316 Stainless Steel, Add</i>	668.02	
23 05 29 00-0130 EA 10" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	164.33	36.07
<i>For Work In Restricted Working Space, Add</i>	21.21	
<i>For 304 Stainless Steel, Add</i>	617.89	
<i>For 316 Stainless Steel, Add</i>	795.77	
23 05 29 00-0131 EA 12" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	217.19	39.77
<i>For Work In Restricted Working Space, Add</i>	23.87	
<i>For 304 Stainless Steel, Add</i>	908.42	
<i>For 316 Stainless Steel, Add</i>	1,169.94	
23 05 29 00-0132 EA 14" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	472.64	45.61
<i>For Work In Restricted Working Space, Add</i>	27.37	
<i>For 304 Stainless Steel, Add</i>	2,517.37	
<i>For 316 Stainless Steel, Add</i>	3,242.07	
23 05 29 00-0133 EA 16" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	595.67	53.04
<i>For Work In Restricted Working Space, Add</i>	31.82	
<i>For 304 Stainless Steel, Add</i>	3,231.36	
<i>For 316 Stainless Steel, Add</i>	4,161.60	
<b>23 05 29 00-0134 Roller Chair (Cooper B-Line B3120) (23 05 29 00-0110)</b>		
23 05 29 00-0135 EA 2" Steel Roller Chair (Cooper B-Line B3120).....	49.31	13.79
<i>For Work In Restricted Working Space, Add</i>	7.96	
23 05 29 00-0136 EA 2-1/2" Steel Roller Chair (Cooper B-Line B3120).....	53.16	14.21
<i>For Work In Restricted Working Space, Add</i>	8.53	
23 05 29 00-0137 EA 3" Steel Roller Chair (Cooper B-Line B3120).....	55.61	14.85
<i>For Work In Restricted Working Space, Add</i>	9.09	
23 05 29 00-0138 EA 3-1/2" Steel Roller Chair (Cooper B-Line B3120).....	64.05	15.91
<i>For Work In Restricted Working Space, Add</i>	9.55	
23 05 29 00-0139 EA 4" Steel Roller Chair (Cooper B-Line B3120).....	71.40	18.03
<i>For Work In Restricted Working Space, Add</i>	10.61	
23 05 29 00-0140 EA 5" Steel Roller Chair (Cooper B-Line B3120).....	77.98	19.41
<i>For Work In Restricted Working Space, Add</i>	11.65	
23 05 29 00-0141 EA 6" Steel Roller Chair (Cooper B-Line B3120).....	96.98	21.22
<i>For Work In Restricted Working Space, Add</i>	12.73	
23 05 29 00-0142 EA 8" Steel Roller Chair (Cooper B-Line B3120).....	126.78	26.52
<i>For Work In Restricted Working Space, Add</i>	15.91	
23 05 29 00-0143 EA 10" Steel Roller Chair (Cooper B-Line B3120).....	163.21	36.07
<i>For Work In Restricted Working Space, Add</i>	21.21	
23 05 29 00-0144 EA 12" Steel Roller Chair (Cooper B-Line B3120).....	214.25	39.77
<i>For Work In Restricted Working Space, Add</i>	23.87	
23 05 29 00-0145 EA 14" Steel Roller Chair (Cooper B-Line B3120).....	232.50	45.61
<i>For Work In Restricted Working Space, Add</i>	27.37	
23 05 29 00-0146 EA 16" Steel Roller Chair (Cooper B-Line B3120).....	281.44	53.04
<i>For Work In Restricted Working Space, Add</i>	31.82	
23 05 29 00-0147 EA 18" Steel Roller Chair (Cooper B-Line B3120).....	382.30	66.29
<i>For Work In Restricted Working Space, Add</i>	39.78	
23 05 29 00-0148 EA 20" Steel Roller Chair (Cooper B-Line B3120).....	474.46	79.55
<i>For Work In Restricted Working Space, Add</i>	47.73	
<b>23 05 29 00-0149 Adjustable Roller Support (Cooper B-Line B3122) (23 05 29 00-0110)</b>		
23 05 29 00-0150 EA 2" Steel Adjustable Roller Support (Cooper B-Line B3122).....	56.81	13.79
<i>For Work In Restricted Working Space, Add</i>	7.96	
23 05 29 00-0151 EA 2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122).....	64.25	14.21
<i>For Work In Restricted Working Space, Add</i>	8.53	
23 05 29 00-0152 EA 3" Steel Adjustable Roller Support (Cooper B-Line B3122).....	67.44	14.85
<i>For Work In Restricted Working Space, Add</i>	9.09	
23 05 29 00-0153 EA 3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122).....	71.29	15.91
<i>For Work In Restricted Working Space, Add</i>	9.55	
23 05 29 00-0154 EA 4" Steel Adjustable Roller Support (Cooper B-Line B3122).....	86.57	18.03
<i>For Work In Restricted Working Space, Add</i>	10.61	
23 05 29 00-0155 EA 5" Steel Adjustable Roller Support (Cooper B-Line B3122).....	98.52	19.41
<i>For Work In Restricted Working Space, Add</i>	11.65	
23 05 29 00-0156 EA 6" Steel Adjustable Roller Support (Cooper B-Line B3122).....	115.52	21.22
<i>For Work In Restricted Working Space, Add</i>	12.73	
23 05 29 00-0157 EA 8" Steel Adjustable Roller Support (Cooper B-Line B3122).....	164.95	26.52
<i>For Work In Restricted Working Space, Add</i>	15.91	
23 05 29 00-0158 EA 10" Steel Adjustable Roller Support (Cooper B-Line B3122).....	204.37	36.07
<i>For Work In Restricted Working Space, Add</i>	21.21	
23 05 29 00-0159 EA 12" Steel Adjustable Roller Support (Cooper B-Line B3122).....	237.03	39.77
<i>For Work In Restricted Working Space, Add</i>	23.87	
23 05 29 00-0160 EA 14" Steel Adjustable Roller Support (Cooper B-Line B3122).....	341.59	45.61
<i>For Work In Restricted Working Space, Add</i>	27.37	
23 05 29 00-0161 EA 16" Steel Adjustable Roller Support (Cooper B-Line B3122).....	410.46	53.04
<i>For Work In Restricted Working Space, Add</i>	31.82	
23 05 29 00-0162 EA 18" Steel Adjustable Roller Support (Cooper B-Line B3122).....	462.59	66.29
<i>For Work In Restricted Working Space, Add</i>	39.78	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0163			<b>Adjustable Double Roller Support (Cooper B-Line B3122A)</b> <small>(23 05 29 00-0110)</small>		
23 05 29 00-0164	EA		2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	57.24	13.79
			<i>For Work In Restricted Working Space, Add</i> .....	7.96	
23 05 29 00-0165	EA		2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	64.64	14.21
			<i>For Work In Restricted Working Space, Add</i> .....	8.53	
23 05 29 00-0166	EA		3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	68.09	14.85
			<i>For Work In Restricted Working Space, Add</i> .....	9.09	
23 05 29 00-0167	EA		3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	70.72	15.91
			<i>For Work In Restricted Working Space, Add</i> .....	9.55	
23 05 29 00-0168	EA		4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	90.95	18.03
			<i>For Work In Restricted Working Space, Add</i> .....	10.61	
23 05 29 00-0169	EA		5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	103.68	19.41
			<i>For Work In Restricted Working Space, Add</i> .....	11.65	
23 05 29 00-0170	EA		6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	121.67	21.22
			<i>For Work In Restricted Working Space, Add</i> .....	12.73	
23 05 29 00-0171	EA		8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	174.48	26.52
			<i>For Work In Restricted Working Space, Add</i> .....	15.91	
23 05 29 00-0172	EA		10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	215.80	36.07
			<i>For Work In Restricted Working Space, Add</i> .....	21.21	
23 05 29 00-0173	EA		12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	250.42	39.77
			<i>For Work In Restricted Working Space, Add</i> .....	23.87	
23 05 29 00-0174	EA		14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) .....	362.99	45.61
			<i>For Work In Restricted Working Space, Add</i> .....	27.37	
23 05 29 00-0175			<b>Pipe And Riser Clamps</b> <small>(23 05 29 00-0001)</small>		
			Note: Includes bolts and weldless eye nuts.		
23 05 29 00-0176			<b>Steel Pipe Clamp (Cooper B-Line B3140)</b> <small>(23 05 29 00-0175)</small>		
			Note: Type 4.		
23 05 29 00-0177	EA		1/2" Steel Pipe Clamp (Cooper B-Line B3140) .....	18.33	6.32
			<i>For Work In Restricted Working Space, Add</i> .....	3.80	
23 05 29 00-0178	EA		3/4" Steel Pipe Clamp (Cooper B-Line B3140) .....	18.54	6.43
			<i>For Work In Restricted Working Space, Add</i> .....	3.86	
23 05 29 00-0179	EA		1" Steel Pipe Clamp (Cooper B-Line B3140) .....	18.79	6.53
			<i>For Work In Restricted Working Space, Add</i> .....	3.92	
23 05 29 00-0180	EA		1-1/4" Steel Pipe Clamp (Cooper B-Line B3140) .....	20.73	6.64
			<i>For Work In Restricted Working Space, Add</i> .....	3.98	
23 05 29 00-0181	EA		1-1/2" Steel Pipe Clamp (Cooper B-Line B3140) .....	20.94	6.74
			<i>For Work In Restricted Working Space, Add</i> .....	4.05	
23 05 29 00-0182	EA		2" Steel Pipe Clamp (Cooper B-Line B3140) .....	22.46	6.85
			<i>For Work In Restricted Working Space, Add</i> .....	4.11	
23 05 29 00-0183	EA		2-1/2" Steel Pipe Clamp (Cooper B-Line B3140) .....	23.40	7.06
			<i>For Work In Restricted Working Space, Add</i> .....	4.24	
23 05 29 00-0184	EA		3" Steel Pipe Clamp (Cooper B-Line B3140) .....	24.91	7.27
			<i>For Work In Restricted Working Space, Add</i> .....	4.37	
23 05 29 00-0185	EA		3-1/2" Steel Pipe Clamp (Cooper B-Line B3140) .....	29.40	7.38
			<i>For Work In Restricted Working Space, Add</i> .....	4.43	
23 05 29 00-0186	EA		4" Steel Pipe Clamp (Cooper B-Line B3140) .....	33.61	9.49
			<i>For Work In Restricted Working Space, Add</i> .....	5.69	
23 05 29 00-0187	EA		5" Steel Pipe Clamp (Cooper B-Line B3140) .....	48.69	12.65
			<i>For Work In Restricted Working Space, Add</i> .....	7.59	
23 05 29 00-0188	EA		6" Steel Pipe Clamp (Cooper B-Line B3140) .....	67.49	15.82
			<i>For Work In Restricted Working Space, Add</i> .....	9.49	
23 05 29 00-0189	EA		8" Steel Pipe Clamp (Cooper B-Line B3140) .....	79.53	18.45
			<i>For Work In Restricted Working Space, Add</i> .....	11.07	
23 05 29 00-0190	EA		10" Steel Pipe Clamp (Cooper B-Line B3140) .....	119.02	21.08
			<i>For Work In Restricted Working Space, Add</i> .....	12.65	
23 05 29 00-0191	EA		12" Steel Pipe Clamp (Cooper B-Line B3140) .....	165.26	23.19
			<i>For Work In Restricted Working Space, Add</i> .....	13.91	
23 05 29 00-0192	EA		14" Steel Pipe Clamp (Cooper B-Line B3140) .....	273.70	25.30
			<i>For Work In Restricted Working Space, Add</i> .....	15.18	
23 05 29 00-0193	EA		16" Steel Pipe Clamp (Cooper B-Line B3140) .....	296.69	27.40
			<i>For Work In Restricted Working Space, Add</i> .....	16.44	
23 05 29 00-0194	EA		18" Steel Pipe Clamp (Cooper B-Line B3140) .....	489.92	29.51
			<i>For Work In Restricted Working Space, Add</i> .....	17.71	
23 05 29 00-0195	EA		20" Steel Pipe Clamp (Cooper B-Line B3140) .....	567.87	31.62
			<i>For Work In Restricted Working Space, Add</i> .....	18.97	
23 05 29 00-0196	EA		24" Steel Pipe Clamp (Cooper B-Line B3140) .....	743.51	34.79
			<i>For Work In Restricted Working Space, Add</i> .....	20.87	
23 05 29 00-0197			<b>Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)</b> <small>(23 05 29 00-0175)</small>		
23 05 29 00-0198	EA		3" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) .....	40.81	6.83
			<i>For Work In Restricted Working Space, Add</i> .....	4.07	
23 05 29 00-0199	EA		4" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) .....	54.80	6.83
			<i>For Work In Restricted Working Space, Add</i> .....	4.07	
23 05 29 00-0200	EA		5" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) .....	60.38	7.08
			<i>For Work In Restricted Working Space, Add</i> .....	4.25	
23 05 29 00-0201	EA		6" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) .....	98.61	7.32
			<i>For Work In Restricted Working Space, Add</i> .....	4.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0202 EA 8" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	107.41	7.81
<i>For Work In Restricted Working Space, Add</i>	4.68	
23 05 29 00-0203 EA 10" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	187.04	7.81
<i>For Work In Restricted Working Space, Add</i>	4.67	
23 05 29 00-0204 EA 12" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	304.84	8.79
<i>For Work In Restricted Working Space, Add</i>	5.27	
23 05 29 00-0205 EA 14" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	387.52	9.77
<i>For Work In Restricted Working Space, Add</i>	5.86	
23 05 29 00-0206 EA 16" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	420.76	11.71
<i>For Work In Restricted Working Space, Add</i>	7.03	
23 05 29 00-0207 EA 18" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,321.02	13.67
<i>For Work In Restricted Working Space, Add</i>	8.20	
23 05 29 00-0208 EA 20" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,519.05	14.65
<i>For Work In Restricted Working Space, Add</i>	8.79	
23 05 29 00-0209 EA 24" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,947.47	15.62
<i>For Work In Restricted Working Space, Add</i>	9.37	
<b>23 05 29 00-0210 Steel Riser Clamp (Cooper B-Line B3373) (23 05 29 00-0175)</b>		
Note: Type 8.		
23 05 29 00-0211 EA 1/2" Steel Riser Clamp (Cooper B-Line B3373).....	18.81	5.86
<i>For Work In Restricted Working Space, Add</i>	3.51	
23 05 29 00-0212 EA 3/4" Steel Riser Clamp (Cooper B-Line B3373).....	19.68	5.96
<i>For Work In Restricted Working Space, Add</i>	3.58	
23 05 29 00-0213 EA 1" Steel Riser Clamp (Cooper B-Line B3373).....	19.95	6.06
<i>For Work In Restricted Working Space, Add</i>	3.63	
23 05 29 00-0214 EA 1-1/4" Steel Riser Clamp (Cooper B-Line B3373).....	21.79	6.15
<i>For Work In Restricted Working Space, Add</i>	3.69	
23 05 29 00-0215 EA 1-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	22.73	6.25
<i>For Work In Restricted Working Space, Add</i>	3.75	
23 05 29 00-0216 EA 2" Steel Riser Clamp (Cooper B-Line B3373).....	23.31	6.35
<i>For Work In Restricted Working Space, Add</i>	3.81	
23 05 29 00-0217 EA 2-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	24.34	6.54
<i>For Work In Restricted Working Space, Add</i>	3.92	
23 05 29 00-0218 EA 3" Steel Riser Clamp (Cooper B-Line B3373).....	25.92	6.73
<i>For Work In Restricted Working Space, Add</i>	4.04	
23 05 29 00-0219 EA 3-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	28.79	6.83
<i>For Work In Restricted Working Space, Add</i>	4.10	
23 05 29 00-0220 EA 4" Steel Riser Clamp (Cooper B-Line B3373).....	34.69	8.79
<i>For Work In Restricted Working Space, Add</i>	5.27	
23 05 29 00-0221 EA 5" Steel Riser Clamp (Cooper B-Line B3373).....	44.67	11.71
<i>For Work In Restricted Working Space, Add</i>	7.03	
23 05 29 00-0222 EA 6" Steel Riser Clamp (Cooper B-Line B3373).....	56.76	14.65
<i>For Work In Restricted Working Space, Add</i>	8.79	
23 05 29 00-0223 EA 8" Steel Riser Clamp (Cooper B-Line B3373).....	79.14	17.09
<i>For Work In Restricted Working Space, Add</i>	10.25	
23 05 29 00-0224 EA 10" Steel Riser Clamp (Cooper B-Line B3373).....	105.59	19.53
<i>For Work In Restricted Working Space, Add</i>	11.72	
23 05 29 00-0225 EA 12" Steel Riser Clamp (Cooper B-Line B3373).....	128.91	21.48
<i>For Work In Restricted Working Space, Add</i>	12.89	
23 05 29 00-0226 EA 14" Steel Riser Clamp (Cooper B-Line B3373).....	176.18	23.44
<i>For Work In Restricted Working Space, Add</i>	14.06	
23 05 29 00-0227 EA 16" Steel Riser Clamp (Cooper B-Line B3373).....	345.98	25.38
<i>For Work In Restricted Working Space, Add</i>	15.23	
<b>23 05 29 00-0228 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) (23 05 29 00-0175)</b>		
23 05 29 00-0229 EA 1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	35.71	5.86
<i>For Work In Restricted Working Space, Add</i>	3.51	
23 05 29 00-0230 EA 3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	36.27	5.96
<i>For Work In Restricted Working Space, Add</i>	3.58	
23 05 29 00-0231 EA 1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	37.84	6.06
<i>For Work In Restricted Working Space, Add</i>	3.63	
23 05 29 00-0232 EA 1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	40.63	6.15
<i>For Work In Restricted Working Space, Add</i>	3.69	
23 05 29 00-0233 EA 1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	46.29	6.25
<i>For Work In Restricted Working Space, Add</i>	3.75	
23 05 29 00-0234 EA 2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	49.34	6.35
<i>For Work In Restricted Working Space, Add</i>	3.81	
23 05 29 00-0235 EA 2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	53.59	6.54
<i>For Work In Restricted Working Space, Add</i>	3.92	
23 05 29 00-0236 EA 3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	59.14	6.73
<i>For Work In Restricted Working Space, Add</i>	4.04	
23 05 29 00-0237 EA 4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	80.26	8.79
<i>For Work In Restricted Working Space, Add</i>	5.27	
<b>23 05 29 00-0238 Two Bolt Steel Underground Clamp (Cooper B-Line B3132) (23 05 29 00-0175)</b>		
Note: Type 42		
23 05 29 00-0239 EA 4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	84.01	6.83
<i>For Work In Restricted Working Space, Add</i>	4.07	
23 05 29 00-0240 EA 6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	89.08	7.32
<i>For Work In Restricted Working Space, Add</i>	4.42	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0241	EA		8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	97.97	7.81
			<i>For Work In Restricted Working Space, Add</i>	4.68	
23 05 29 00-0242	EA		10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	104.90	7.81
			<i>For Work In Restricted Working Space, Add</i>	4.67	
23 05 29 00-0243	EA		12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	127.28	8.79
			<i>For Work In Restricted Working Space, Add</i>	5.27	
23 05 29 00-0244	EA		14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	405.27	9.77
			<i>For Work In Restricted Working Space, Add</i>	5.86	
23 05 29 00-0245	EA		16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	543.71	11.71
			<i>For Work In Restricted Working Space, Add</i>	7.03	
23 05 29 00-0246	EA		18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	648.03	13.67
			<i>For Work In Restricted Working Space, Add</i>	8.20	
23 05 29 00-0247	EA		20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	947.02	14.65
			<i>For Work In Restricted Working Space, Add</i>	8.79	
23 05 29 00-0248	EA		24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	1,307.85	15.62
			<i>For Work In Restricted Working Space, Add</i>	9.37	
<b>23 05 29 00-0249</b>			<b>Four Bolt Steel Underground Clamp (Cooper B-Line B3134)</b> <small>(23 05 29 00-0175)</small>		
23 05 29 00-0250	EA		4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	77.24	6.83
			<i>For Work In Restricted Working Space, Add</i>	4.07	
23 05 29 00-0251	EA		6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	83.28	7.32
			<i>For Work In Restricted Working Space, Add</i>	4.42	
23 05 29 00-0252	EA		8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	148.43	7.81
			<i>For Work In Restricted Working Space, Add</i>	4.68	
23 05 29 00-0253	EA		10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	165.55	7.81
			<i>For Work In Restricted Working Space, Add</i>	4.67	
23 05 29 00-0254	EA		12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	239.11	8.79
			<i>For Work In Restricted Working Space, Add</i>	5.27	
23 05 29 00-0255	EA		14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	368.76	9.77
			<i>For Work In Restricted Working Space, Add</i>	5.86	
23 05 29 00-0256	EA		16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	495.45	11.71
			<i>For Work In Restricted Working Space, Add</i>	7.03	
23 05 29 00-0257	EA		18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	589.85	13.67
			<i>For Work In Restricted Working Space, Add</i>	8.20	
23 05 29 00-0258	EA		20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	865.30	14.65
			<i>For Work In Restricted Working Space, Add</i>	8.79	
23 05 29 00-0259	EA		24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	1,186.89	15.62
			<i>For Work In Restricted Working Space, Add</i>	9.37	
<b>23 05 29 00-0260</b>			<b>Split Pipe Clamps And Rings</b> <small>(23 05 29 00-0001)</small>		
<b>23 05 29 00-0261</b>			<b>Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171)</b> <small>(23 05 29 00-0260)</small>		
			Note: Type 6.		
23 05 29 00-0262	EA		3/4" Adjustable Swivel Ring (Cooper B-Line B3171).....	31.57	8.96
			<i>For Work In Restricted Working Space, Add</i>	5.38	
23 05 29 00-0263	EA		1" Adjustable Swivel Ring (Cooper B-Line B3171).....	33.44	9.49
			<i>For Work In Restricted Working Space, Add</i>	5.69	
23 05 29 00-0264	EA		1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171).....	36.24	10.54
			<i>For Work In Restricted Working Space, Add</i>	6.32	
23 05 29 00-0265	EA		1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171).....	39.21	11.06
			<i>For Work In Restricted Working Space, Add</i>	6.64	
23 05 29 00-0266	EA		2" Adjustable Swivel Ring (Cooper B-Line B3171).....	42.56	11.60
			<i>For Work In Restricted Working Space, Add</i>	6.96	
23 05 29 00-0267	EA		2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171).....	53.76	12.12
			<i>For Work In Restricted Working Space, Add</i>	7.28	
23 05 29 00-0268	EA		3" Adjustable Swivel Ring (Cooper B-Line B3171).....	59.35	12.65
			<i>For Work In Restricted Working Space, Add</i>	7.59	
23 05 29 00-0269	EA		4" Adjustable Swivel Ring (Cooper B-Line B3171).....	80.41	14.23
			<i>For Work In Restricted Working Space, Add</i>	8.54	
23 05 29 00-0270	EA		5" Adjustable Swivel Ring (Cooper B-Line B3171).....	102.34	17.92
			<i>For Work In Restricted Working Space, Add</i>	10.75	
23 05 29 00-0271	EA		6" Adjustable Swivel Ring (Cooper B-Line B3171).....	138.42	21.08
			<i>For Work In Restricted Working Space, Add</i>	12.65	
<b>23 05 29 00-0272</b>			<b>Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)</b> <small>(23 05 29 00-0260)</small>		
			Note: Type 11.		
23 05 29 00-0273	EA		1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	19.56	7.43
			<i>For Work In Restricted Working Space, Add</i>	4.54	
23 05 29 00-0274	EA		3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	20.68	7.43
			<i>For Work In Restricted Working Space, Add</i>	4.75	
23 05 29 00-0275	EA		1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	22.70	9.54
			<i>For Work In Restricted Working Space, Add</i>	5.30	
23 05 29 00-0276	EA		1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	24.84	9.54
			<i>For Work In Restricted Working Space, Add</i>	5.58	
23 05 29 00-0277	EA		1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	28.15	9.54
			<i>For Work In Restricted Working Space, Add</i>	5.78	
23 05 29 00-0278	EA		2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	33.30	10.60
			<i>For Work In Restricted Working Space, Add</i>	6.36	
23 05 29 00-0279	EA		2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	46.21	10.60
			<i>For Work In Restricted Working Space, Add</i>	6.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0280 EA 3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	51.82	11.67
<i>For Work In Restricted Working Space, Add</i>	6.92	
23 05 29 00-0281 EA 4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	54.97	12.73
<i>For Work In Restricted Working Space, Add</i>	7.58	
<b>23 05 29 00-0282 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <small>(23 05 29 00-0280)</small></b>		
Note: Type 12.		
23 05 29 00-0283 EA 1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	19.56	7.43
<i>For Work In Restricted Working Space, Add</i>	4.54	
23 05 29 00-0284 EA 3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	20.68	7.95
<i>For Work In Restricted Working Space, Add</i>	4.75	
23 05 29 00-0285 EA 1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	22.70	9.01
<i>For Work In Restricted Working Space, Add</i>	5.30	
23 05 29 00-0286 EA 1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) .....	24.84	9.54
<i>For Work In Restricted Working Space, Add</i>	5.58	
23 05 29 00-0287 EA 1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) .....	28.15	9.54
<i>For Work In Restricted Working Space, Add</i>	5.78	
23 05 29 00-0288 EA 2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	33.30	10.60
<i>For Work In Restricted Working Space, Add</i>	6.36	
23 05 29 00-0289 EA 2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) .....	46.21	11.13
<i>For Work In Restricted Working Space, Add</i>	6.62	
23 05 29 00-0290 EA 3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	51.82	11.67
<i>For Work In Restricted Working Space, Add</i>	6.92	
<b>23 05 29 00-0291 Pipe Straps <small>(23 05 29 00-0001)</small></b>		
<b>23 05 29 00-0292 Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) <small>(23 05 29 00-0291)</small></b>		
23 05 29 00-0293 EA 1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	13.21	5.30
<i>For Work In Restricted Working Space, Add</i>	3.18	
23 05 29 00-0294 EA 3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	13.77	6.36
<i>For Work In Restricted Working Space, Add</i>	3.35	
23 05 29 00-0295 EA 1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	14.39	6.36
<i>For Work In Restricted Working Space, Add</i>	3.53	
23 05 29 00-0296 EA 1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	15.21	6.36
<i>For Work In Restricted Working Space, Add</i>	3.74	
23 05 29 00-0297 EA 1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	16.07	7.43
<i>For Work In Restricted Working Space, Add</i>	3.98	
23 05 29 00-0298 EA 2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	18.79	7.43
<i>For Work In Restricted Working Space, Add</i>	4.24	
23 05 29 00-0299 EA 2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	23.54	7.43
<i>For Work In Restricted Working Space, Add</i>	4.54	
23 05 29 00-0300 EA 3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	31.01	7.43
<i>For Work In Restricted Working Space, Add</i>	4.89	
23 05 29 00-0301 EA 4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	36.79	9.54
<i>For Work In Restricted Working Space, Add</i>	5.72	
23 05 29 00-0302 EA 6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	45.61	10.60
<i>For Work In Restricted Working Space, Add</i>	6.36	
23 05 29 00-0303 EA 8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	57.69	11.67
<i>For Work In Restricted Working Space, Add</i>	7.00	
<b>23 05 29 00-0304 Two Hole Copper-Clad Pipe Straps <small>(23 05 29 00-0291)</small></b>		
23 05 29 00-0305 EA 1/2" Two Hole Copper-Clad Pipe Strap .....	5.94	
<i>For Work In Restricted Working Space, Add</i>	1.59	
23 05 29 00-0306 EA 3/4" Two Hole Copper-Clad Pipe Strap .....	6.31	
<i>For Work In Restricted Working Space, Add</i>	1.67	
23 05 29 00-0307 EA 1" Two Hole Copper-Clad Pipe Strap .....	7.14	
<i>For Work In Restricted Working Space, Add</i>	1.75	
23 05 29 00-0308 EA 1-1/4" Two Hole Copper-Clad Pipe Strap .....	8.00	
<i>For Work In Restricted Working Space, Add</i>	1.83	
23 05 29 00-0309 EA 1-1/2" Two Hole Copper-Clad Pipe Strap .....	8.62	
<i>For Work In Restricted Working Space, Add</i>	1.91	
23 05 29 00-0310 EA 2" Two Hole Copper-Clad Pipe Strap .....	9.36	
<i>For Work In Restricted Working Space, Add</i>	2.07	
<b>23 05 29 00-0311 One Hole Galvanized Steel Pipe Straps <small>(23 05 29 00-0291)</small></b>		
23 05 29 00-0312 EA 1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D) .....	2.92	
<i>For Work In Restricted Working Space, Add</i>	0.53	
23 05 29 00-0313 EA 3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D) .....	3.54	
<i>For Work In Restricted Working Space, Add</i>	0.57	
23 05 29 00-0314 EA 1" One Hole Galvanized Steel Pipe Strap (Anvil 185D) .....	3.80	
<i>For Work In Restricted Working Space, Add</i>	0.61	
23 05 29 00-0315 EA 1-1/4" Galvanized Steel Strap, 1 Hole .....	4.09	
<i>For Work In Restricted Working Space, Add</i>	0.66	
23 05 29 00-0316 EA 1-1/2" Galvanized Steel Strap, 1 Hole .....	4.38	
<i>For Work In Restricted Working Space, Add</i>	0.72	
23 05 29 00-0317 EA 2" Galvanized Steel Strap, 1 Hole.....	4.90	
<i>For Work In Restricted Working Space, Add</i>	0.80	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0318			Pipe and Equipment Support Brackets <small>(23 05 29 00-0001)</small>		
23 05 29 00-0319			Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) <small>(23 05 29 00-0318)</small> Note: Up to 750# load.		
23 05 29 00-0320	EA		9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068) .....	140.55	11.71
			For Galvanized, Add	23.42	
			For Work In Restricted Working Space, Add	7.03	
23 05 29 00-0321	EA		13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	142.69	11.71
			For Galvanized, Add	23.85	
			For Work In Restricted Working Space, Add	7.03	
23 05 29 00-0322	EA		19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	151.16	11.71
			For Galvanized, Add	25.54	
			For Work In Restricted Working Space, Add	7.03	
23 05 29 00-0323			Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) <small>(23 05 29 00-0318)</small> Note: Up to 1500# load.		
23 05 29 00-0324	EA		12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	347.48	11.71
			For Galvanized, Add	64.81	
			For Work In Restricted Working Space, Add	7.03	
23 05 29 00-0325	EA		18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	408.40	11.71
			For Galvanized, Add	76.99	
			For Work In Restricted Working Space, Add	7.03	
23 05 29 00-0326	EA		24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	532.62	11.71
			For Galvanized, Add	101.84	
			For Work In Restricted Working Space, Add	7.03	
23 05 29 00-0327			Pipe Alignment Guide <small>(23 05 29 00-0001)</small>		
23 05 29 00-0328			Pipe Alignment Guide, 1" Insulation <small>(23 05 29 00-0327)</small>		
23 05 29 00-0329	EA		1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2) .....	824.56	18.55
23 05 29 00-0330	EA		3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4) .....	825.53	19.04
23 05 29 00-0331	EA		1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1) .....	826.50	19.53
23 05 29 00-0332	EA		1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4).....	827.48	20.02
23 05 29 00-0333	EA		1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2).....	905.16	20.50
23 05 29 00-0334	EA		2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2).....	921.00	22.46
23 05 29 00-0335	EA		2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2).....	922.46	23.19
23 05 29 00-0336	EA		3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3).....	923.92	23.92
23 05 29 00-0337	EA		4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4).....	977.74	25.38
23 05 29 00-0338	EA		5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5).....	1,135.84	32.22
23 05 29 00-0339	EA		6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6).....	1,149.50	39.05
23 05 29 00-0340	EA		8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8).....	1,287.58	48.82
23 05 29 00-0341	EA		10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10).....	2,433.49	58.59
23 05 29 00-0342	EA		12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12).....	3,721.96	78.11
23 05 29 00-0343	EA		14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14).....	4,577.56	97.64
23 05 29 00-0344	EA		16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16).....	5,521.39	109.35
23 05 29 00-0345	EA		18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18).....	5,948.45	122.06
23 05 29 00-0346	EA		20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20).....	6,305.29	139.63
23 05 29 00-0347	EA		24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24).....	7,993.53	146.46
23 05 29 00-0348			Pipe Alignment Guide, 1-1/2" Insulation <small>(23 05 29 00-0327)</small>		
23 05 29 00-0349	EA		1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2).....	825.53	19.04
23 05 29 00-0350	EA		3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4).....	903.20	19.53
23 05 29 00-0351	EA		1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1).....	904.18	20.02
23 05 29 00-0352	EA		1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4).....	905.16	20.50
23 05 29 00-0353	EA		1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2).....	906.14	20.99
23 05 29 00-0354	EA		2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2).....	921.97	22.94
23 05 29 00-0355	EA		2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2).....	923.44	23.68
23 05 29 00-0356	EA		3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3).....	975.78	24.42
23 05 29 00-0357	EA		4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4).....	978.71	25.88
23 05 29 00-0358	EA		5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5).....	1,137.30	32.95
23 05 29 00-0359	EA		6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6).....	1,151.46	40.03
23 05 29 00-0360	EA		8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8).....	1,290.02	50.04
23 05 29 00-0361	EA		10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10).....	2,436.42	60.05
23 05 29 00-0362	EA		12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12).....	3,725.86	80.07
23 05 29 00-0363	EA		14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14).....	4,582.44	100.08
23 05 29 00-0364	EA		16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16).....	5,527.25	112.29
23 05 29 00-0365	EA		18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18).....	5,954.31	124.98
23 05 29 00-0366	EA		20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20).....	6,312.13	143.04
23 05 29 00-0367	EA		24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24).....	8,000.86	150.12
23 05 29 00-0368			Pipe Alignment Guide, 2" Insulation <small>(23 05 29 00-0327)</small>		
23 05 29 00-0369	EA		1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2).....	903.20	19.53
23 05 29 00-0370	EA		3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4).....	916.11	20.02
23 05 29 00-0371	EA		1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1).....	917.09	20.50
23 05 29 00-0372	EA		1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4).....	918.07	20.99





Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like '1-1/2" Diameter Pipe Alignment Guide, 2" Insulation' and 'Pipe Alignment Guide, 2-1/2" Insulation'.

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 29 00-0447 Pipe Alignment Guide, 4" Insulation</b> <small>(23 05 29 00-0327)</small>		
23 05 29 00-0448 EA 1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2) .....	1,114.35	21.48
23 05 29 00-0449 EA 3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4) .....	1,115.33	21.97
23 05 29 00-0450 EA 1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1) .....	1,116.31	22.46
23 05 29 00-0451 EA 1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4) .....	1,117.28	22.94
23 05 29 00-0452 EA 1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2) .....	1,118.25	23.44
23 05 29 00-0453 EA 2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2) .....	1,241.20	25.63
23 05 29 00-0454 EA 2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2) .....	1,243.64	26.85
23 05 29 00-0455 EA 3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3) .....	1,245.30	27.68
23 05 29 00-0456 EA 4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4) .....	1,379.34	29.05
23 05 29 00-0457 EA 5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5) .....	2,390.52	37.11
23 05 29 00-0458 EA 6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6) .....	2,406.15	44.92
23 05 29 00-0459 EA 8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8) .....	3,678.02	56.14
23 05 29 00-0460 EA 10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10) .....	4,518.82	67.86
23 05 29 00-0461 EA 12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12) .....	5,482.82	90.07
23 05 29 00-0462 EA 14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14) .....	5,928.93	112.29
23 05 29 00-0463 EA 16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16) .....	6,279.91	126.93
23 05 29 00-0464 EA 18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18) .....	7,983.76	141.58
<b>23 05 29 00-0465 Sway Bracing For No Hub Pipe</b> <small>(23 05 29 00-0001)</small>		
23 05 29 00-0466 EA 1-1/2" Sway Bracing.....	152.50	12.89
<i>For Work In Restricted Working Space, Add</i>	7.71	
23 05 29 00-0467 EA 2" Sway Bracing.....	156.95	13.57
<i>For Work In Restricted Working Space, Add</i>	8.14	
23 05 29 00-0468 EA 3" Sway Bracing.....	162.39	14.35
<i>For Work In Restricted Working Space, Add</i>	8.62	
23 05 29 00-0469 EA 4" Sway Bracing.....	184.34	16.31
<i>For Work In Restricted Working Space, Add</i>	9.77	
23 05 29 00-0470 EA 6" Sway Bracing.....	270.17	24.42
<i>For Work In Restricted Working Space, Add</i>	14.65	
23 05 29 00-0471 EA 8" Sway Bracing.....	297.41	30.46
<i>For Work In Restricted Working Space, Add</i>	18.31	
23 05 29 00-0472 EA 10" Sway Bracing.....	331.89	40.72
<i>For Work In Restricted Working Space, Add</i>	24.41	
<b>23 05 29 00-0473 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle)</b> <small>(23 05 29 00-0001)</small>		
Note: Heights listed is total for base and adjustable saddle		
23 05 29 00-0474 EA 23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	325.37	9.77
<i>For Work In Restricted Working Space, Add</i>	5.86	
23 05 29 00-0475 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	332.43	10.74
<i>For Work In Restricted Working Space, Add</i>	6.44	
23 05 29 00-0476 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	659.03	12.21
<i>For Work In Restricted Working Space, Add</i>	7.33	
23 05 29 00-0477 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	806.78	13.67
<i>For Work In Restricted Working Space, Add</i>	8.20	
23 05 29 00-0478 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	816.72	15.13
<i>For Work In Restricted Working Space, Add</i>	9.08	
23 05 29 00-0479 EA 25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	897.66	17.09
<i>For Work In Restricted Working Space, Add</i>	10.25	
23 05 29 00-0480 EA 25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	1,071.81	18.55
<i>For Work In Restricted Working Space, Add</i>	11.13	
23 05 29 00-0481 EA 25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	1,083.96	20.02
<i>For Work In Restricted Working Space, Add</i>	12.01	
23 05 29 00-0482 EA 26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	1,099.50	21.97
<i>For Work In Restricted Working Space, Add</i>	13.18	
23 05 29 00-0483 EA 28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	1,144.45	23.92
<i>For Work In Restricted Working Space, Add</i>	14.35	
23 05 29 00-0484 EA 29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	1,225.43	26.36
<i>For Work In Restricted Working Space, Add</i>	15.82	
23 05 29 00-0485 EA 30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	1,261.22	29.29
<i>For Work In Restricted Working Space, Add</i>	17.58	
23 05 29 00-0486 EA 32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) .....	1,538.41	32.22
<i>For Work In Restricted Working Space, Add</i>	19.34	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0487	EA	33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,677.22	36.13
		<i>For Work In Restricted Working Space, Add</i>	21.68	
23 05 29 00-0488	EA	35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	2,373.30	40.03
		<i>For Work In Restricted Working Space, Add</i>	24.02	
23 05 29 00-0489	EA	36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	2,923.72	43.94
		<i>For Work In Restricted Working Space, Add</i>	26.36	
23 05 29 00-0490	EA	39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	3,509.55	47.84
		<i>For Work In Restricted Working Space, Add</i>	28.70	
<b>23 05 29 00-0491</b>		<b>Channel Mounted Cushion Clamp</b> (23 05 29 00-0001)		
		Note: Includes fastening into channel.		
23 05 29 00-0492	EA	1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050).....	12.81	4.40
23 05 29 00-0493	EA	5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062).....	13.50	4.88
23 05 29 00-0494	EA	7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087).....	15.18	5.13
23 05 29 00-0495	EA	1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112).....	16.35	5.37
23 05 29 00-0496	EA	1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137).....	18.37	5.86
23 05 29 00-0497	EA	1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162).....	20.91	6.10
23 05 29 00-0498	EA	2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212).....	27.55	6.35
23 05 29 00-0499	EA	2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262).....	30.62	6.83
23 05 29 00-0500	EA	3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312).....	38.14	7.81
23 05 29 00-0501	EA	4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412).....	60.38	8.79
<b>23 05 29 00-0502</b>		<b>Galvanized Steel Cushion Tube Clamp (KMC)</b> (23 05 29 00-0001)		
		Note: Excludes fastening bolt and drilling if necessary.		
23 05 29 00-0503	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe.....	3.70	
		Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0504	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe.....	3.83	
		Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0505	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe.....	3.91	
		Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0506	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe.....	4.12	
		Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0507	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe.....	3.87	
		Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0508	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe.....	4.25	
		Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0509	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe.....	4.02	
		Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0510	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe.....	4.48	
		Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0511	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe.....	4.50	
		Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0512	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe.....	4.22	
		Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0513	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe.....	4.43	
		Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0514	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe.....	5.08	
		Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0515	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe.....	4.45	
		Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0516	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe.....	4.87	
		Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0517	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe.....	5.56	
		Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0518	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe.....	5.62	
		Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0519	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe.....	6.00	
		Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0520	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe.....	6.75	
		Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0521	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe.....	6.98	
		Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0522	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe.....	8.10	
		Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0523	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe.....	8.19	
		Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0524	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe.....	7.21	
		Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0525	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe.....	8.10	
		Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0526	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe.....	8.64	
		Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0527	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe.....	7.50	
		Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0528	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe.....	8.04	
		Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0529	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe.....	10.15	
		Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 05 29 00-0530	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe.....		7.44	
		Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw			
23 05 29 00-0531	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe.....		8.23	
		Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw			
23 05 29 00-0532	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe.....		10.60	
		Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw			
23 05 29 00-0533		<b>Rooftop Pipe Supports</b> (23 05 29 00-0001)			
		Note: Excludes pipe/conduit clamps and straps.			
23 05 29 00-0534		<b>Mechanical Supports (Pipe Pier®)</b> (23 05 29 00-0533)			
		Note: Includes installation of support block. Excludes strut accessories.			
23 05 29 00-0535	EA	4" x 12" x 12", 150 LB Max Load, Support Block (Pipe Pier® 150).....		183.02	2.45
23 05 29 00-0536		<b>Rooftop Support Base</b> (23 05 29 00-0533)			
23 05 29 00-0537	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM).....		41.10	7.95
23 05 29 00-0538	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP).....		57.57	10.60
23 05 29 00-0539		<b>Rooftop Support Base With 14 Gauge Galvanized Channel</b> (23 05 29 00-0533)			
23 05 29 00-0540	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5).....		47.38	7.95
23 05 29 00-0541	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10).....		67.76	10.60
23 05 29 00-0542	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20).....		129.04	13.25
23 05 29 00-0543	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30).....		179.85	15.90
23 05 29 00-0544	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40).....		251.20	18.56
23 05 29 00-0545	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48).....		263.91	21.21
23 05 29 00-0546		<b>Rooftop Support Base With 12 Gauge Galvanized Channel</b> (23 05 29 00-0533)			
23 05 29 00-0547	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610).....		84.42	10.60
23 05 29 00-0548	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620).....		136.47	13.25
23 05 29 00-0549	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630).....		182.83	15.90
23 05 29 00-0550	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640).....		251.37	18.56
23 05 29 00-0551	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648).....		285.88	15.90
23 05 29 00-0552		<b>Rooftop Bridge Support Base With 12 Gauge Galvanized Channel</b> (23 05 29 00-0533)			
23 05 29 00-0553	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28).....		142.55	15.90
23 05 29 00-0554	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36).....		162.08	18.56
23 05 29 00-0555	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42).....		167.32	21.21
23 05 29 00-0556	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50).....		182.74	23.86
23 05 29 00-0557	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60).....		236.38	26.51
23 05 29 00-0558		<b>Rooftop Pipe Support Base And Rod</b> (23 05 29 00-0533)			
23 05 29 00-0559	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT).....		104.15	10.60
23 05 29 00-0560	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT).....		104.15	10.60
23 05 29 00-0561	EA	9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT).....		104.77	10.60
23 05 29 00-0562	EA	10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT).....		110.71	13.25
23 05 29 00-0563	EA	10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT).....		106.15	13.25
23 05 29 00-0564	EA	10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT).....		112.00	13.25
23 05 29 00-0565		<b>Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly</b> (23 05 29 00-0533)			
23 05 29 00-0566	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2).....		134.00	10.60
23 05 29 00-0567	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6).....		150.37	10.60
23 05 29 00-0568	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10).....		197.51	13.25
23 05 29 00-0569	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14).....		264.42	13.25
23 05 29 00-0570	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20).....		363.79	13.25
23 05 29 00-0571		<b>Rooftop Support Base And Adjustable Height Roller Assembly</b> (23 05 29 00-0533)			
		Note: Includes base, two zinc all threaded rod risers and pipe roller.			
23 05 29 00-0572	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12).....		165.23	15.90



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0573				<b>Rooftop Support Base And Adjustable Height Channel Assembly</b> <small>(23 05 29 00-0573)</small>		
				Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0574	EA			Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8).....	106.46	13.25
23 05 29 00-0575	EA			Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12).....	146.52	15.90
23 05 29 00-0576	EA			Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16).....	162.84	18.56
23 05 29 00-0577				<b>Rooftop Support Bases With Channel Support And Risers Assembly</b> <small>(23 05 29 00-0533)</small>		
				Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0578	EA			23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS).....	408.80	21.21
23 05 29 00-0579	EA			29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS).....	413.51	21.21
23 05 29 00-0580	EA			41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS).....	430.03	21.21
23 05 29 00-0581	EA			53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS).....	467.95	21.21
23 05 29 00-0582	EA			23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS).....	400.39	21.21
23 05 29 00-0583	EA			29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS).....	416.20	21.21
23 05 29 00-0584	EA			41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS).....	432.72	21.21
23 05 29 00-0585	EA			53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS).....	470.63	21.21
23 05 29 00-0586	EA			23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS).....	419.18	21.21
23 05 29 00-0587	EA			29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS).....	424.70	21.21
23 05 29 00-0588	EA			41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS).....	440.90	21.21
23 05 29 00-0589	EA			53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS).....	478.97	21.21
23 05 29 00-0590	EA			23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS).....	438.37	21.21
23 05 29 00-0591	EA			29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS).....	443.41	21.21
23 05 29 00-0592	EA			41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS).....	459.61	21.21
23 05 29 00-0593	EA			53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS).....	497.68	21.21
23 05 29 00-0594				<b>Threaded Rod, Accessories And Attachments</b> <small>(23 05 29)</small>		
23 05 29 00-0595				<b>Threaded Rod And Rod Accessories</b> <small>(23 05 29 00-0594)</small>		
23 05 29 00-0596				<b>Threaded Rod</b> <small>(23 05 29 00-0595)</small>		
				Note: Fully threaded.		
23 05 29 00-0597	LF			3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	3.10	0.66
				For Zinc Plated, Add	0.50	
				For Galvanized, Add	0.71	
				For Work In Restricted Working Space, Add	0.40	
23 05 29 00-0598	LF			1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	4.23	0.71
				For Zinc Plated, Add	0.80	
				For Galvanized, Add	1.13	
				For Work In Restricted Working Space, Add	0.42	
23 05 29 00-0599	LF			5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	5.82	0.74
				For Zinc Plated, Add	1.24	
				For Galvanized, Add	1.74	
				For Work In Restricted Working Space, Add	0.44	
23 05 29 00-0600	LF			3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	9.43	0.76
				For Zinc Plated, Add	2.26	
				For Galvanized, Add	3.17	
				For Work In Restricted Working Space, Add	0.45	
23 05 29 00-0601	LF			7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	10.27	0.78
				For Zinc Plated, Add	2.48	
				For Galvanized, Add	3.48	
				For Work In Restricted Working Space, Add	0.47	
23 05 29 00-0602	LF			1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	13.99	0.88
				For Zinc Plated, Add	3.49	
				For Galvanized, Add	4.89	
				For Work In Restricted Working Space, Add	0.53	
23 05 29 00-0603	LF			1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	17.40	0.98
				For Zinc Plated, Add	4.40	
				For Galvanized, Add	6.17	
				For Work In Restricted Working Space, Add	0.59	
23 05 29 00-0604				<b>Rod Couplings</b> <small>(23 05 29 00-0595)</small>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0605 EA 3/8" Diameter, Threaded Rod Coupling Nut.....	7.73	
For Work In Restricted Working Space, Add	1.95	
23 05 29 00-0606 EA 1/2" Diameter, Threaded Rod Coupling Nut.....	8.76	
For Work In Restricted Working Space, Add	2.17	
23 05 29 00-0607 EA 5/8" Diameter, Threaded Rod Coupling Nut.....	10.85	
For Work In Restricted Working Space, Add	2.44	
23 05 29 00-0608 EA 3/4" Diameter, Threaded Rod Coupling Nut.....	13.13	
For Work In Restricted Working Space, Add	2.67	
23 05 29 00-0609 EA 7/8" Diameter, Threaded Rod Coupling Nut.....	18.88	
For Work In Restricted Working Space, Add	2.93	
23 05 29 00-0610 EA 1" Diameter, Threaded Rod Coupling Nut.....	22.39	
For Work In Restricted Working Space, Add	3.45	
23 05 29 00-0611 EA 1-1/8" Diameter, Threaded Rod Coupling Nut.....	41.87	
For Work In Restricted Working Space, Add	3.91	
<b>23 05 29 00-0612 Flat Washers (23 05 29 00-0595)</b>		
Note: Zinc plated.		
23 05 29 00-0613 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.55	0.21
For Galvanized, Add	0.03	
For Work In Restricted Working Space, Add	0.13	
23 05 29 00-0614 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.73	0.21
For Galvanized, Add	0.06	
For Work In Restricted Working Space, Add	0.15	
23 05 29 00-0615 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.02	0.32
For Galvanized, Add	0.11	
For Work In Restricted Working Space, Add	0.17	
23 05 29 00-0616 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.40	0.32
For Galvanized, Add	0.16	
For Work In Restricted Working Space, Add	0.23	
23 05 29 00-0617 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.65	0.42
For Galvanized, Add	0.19	
For Work In Restricted Working Space, Add	0.27	
23 05 29 00-0618 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.92	0.42
For Galvanized, Add	0.24	
For Work In Restricted Working Space, Add	0.29	
23 05 29 00-0619 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.17	0.53
For Galvanized, Add	0.27	
For Work In Restricted Working Space, Add	0.33	
<b>23 05 29 00-0620 Hex Nuts (23 05 29 00-0595)</b>		
Note: Grade 2 and zinc plated.		
23 05 29 00-0621 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.69	0.26
For Galvanized, Add	0.02	
For Work In Restricted Working Space, Add	0.18	
23 05 29 00-0622 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.87	0.26
For Galvanized, Add	0.05	
For Work In Restricted Working Space, Add	0.20	
23 05 29 00-0623 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.15	0.26
For Galvanized, Add	0.11	
For Work In Restricted Working Space, Add	0.21	
23 05 29 00-0624 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.34	0.53
For Galvanized, Add	0.15	
For Work In Restricted Working Space, Add	0.22	
23 05 29 00-0625 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.91	0.53
For Galvanized, Add	0.28	
For Work In Restricted Working Space, Add	0.23	
23 05 29 00-0626 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.42	0.53
For Galvanized, Add	0.38	
For Work In Restricted Working Space, Add	0.27	
23 05 29 00-0627 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	3.87	0.53
For Galvanized, Add	0.72	
For Work In Restricted Working Space, Add	0.29	
<b>23 05 29 00-0628 Turnbuckle (Cooper B-Line B3202) (23 05 29 00-0595)</b>		
Note: Type 13.		
23 05 29 00-0629 EA 3/8" Turnbuckle (Cooper B-Line B3202).....	29.66	5.30
For Work In Restricted Working Space, Add	3.18	
23 05 29 00-0630 EA 1/2" Turnbuckle (Cooper B-Line B3202).....	35.48	5.83
For Work In Restricted Working Space, Add	3.53	
23 05 29 00-0631 EA 5/8" Turnbuckle (Cooper B-Line B3202).....	38.03	6.36
For Work In Restricted Working Space, Add	3.98	
23 05 29 00-0632 EA 3/4" Turnbuckle (Cooper B-Line B3202).....	48.34	7.43
For Work In Restricted Working Space, Add	4.55	
23 05 29 00-0633 EA 7/8" Turnbuckle (Cooper B-Line B3202).....	63.17	7.95
For Work In Restricted Working Space, Add	5.30	
23 05 29 00-0634 EA 1" Turnbuckle (Cooper B-Line B3202).....	78.64	8.49
For Work In Restricted Working Space, Add	6.37	
23 05 29 00-0635 EA 1-1/8" Turnbuckle (Cooper B-Line B3202).....	109.99	9.55
For Work In Restricted Working Space, Add	7.96	



	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 29 00-0636</b>			<b>Swivel Turnbuckle (Cooper B-Line B3224)</b> <small>(23 05 29 00-0595)</small>		
			Note: Type 15.		
	23 05 29 00-0637	EA	3/8" Swivel Turnbuckle (Cooper B-Line B3224).....	17.62	5.30
			<i>For Work In Restricted Working Space, Add</i>	3.18	
	23 05 29 00-0638	EA	1/2" Swivel Turnbuckle (Cooper B-Line B3224).....	20.53	5.93
			<i>For Work In Restricted Working Space, Add</i>	3.53	
	23 05 29 00-0639	EA	5/8" Swivel Turnbuckle (Cooper B-Line B3224).....	27.94	6.57
			<i>For Work In Restricted Working Space, Add</i>	3.98	
	23 05 29 00-0640	EA	3/4" Swivel Turnbuckle (Cooper B-Line B3224).....	34.04	7.53
			<i>For Work In Restricted Working Space, Add</i>	4.55	
<b>23 05 29 00-0641</b>			<b>Forged Steel Clevis (Cooper B-Line B3201)</b> <small>(23 05 29 00-0595)</small>		
			Note: Type 14.		
	23 05 29 00-0642	EA	3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201).....	103.66	9.77
			<i>For Work In Restricted Working Space, Add</i>	5.86	
	23 05 29 00-0643	EA	4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201).....	155.42	10.25
			<i>For Work In Restricted Working Space, Add</i>	6.17	
	23 05 29 00-0644	EA	5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201).....	168.26	10.74
			<i>For Work In Restricted Working Space, Add</i>	6.51	
	23 05 29 00-0645	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201).....	175.10	11.71
			<i>For Work In Restricted Working Space, Add</i>	6.89	
	23 05 29 00-0646	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201).....	183.74	13.19
			<i>For Work In Restricted Working Space, Add</i>	7.81	
	23 05 29 00-0647	EA	6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201).....	308.96	17.09
			<i>For Work In Restricted Working Space, Add</i>	10.25	
	23 05 29 00-0648	EA	5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201).....	334.73	19.53
			<i>For Work In Restricted Working Space, Add</i>	11.72	
	23 05 29 00-0649	EA	7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201).....	393.78	24.42
			<i>For Work In Restricted Working Space, Add</i>	14.65	
<b>23 05 29 00-0650</b>			<b>Welded Eye Rod (Cooper B-Line B3211)</b> <small>(23 05 29 00-0595)</small>		
	23 05 29 00-0651	EA	3/8" Diameter x 8" Length Shank, Welded Eye Rod.....	29.22	5.72
			<i>For Work In Restricted Working Space, Add</i>	3.45	
	23 05 29 00-0652	EA	3/8" Diameter x 10" Length Shank, Welded Eye Rod.....	30.20	5.83
			<i>For Work In Restricted Working Space, Add</i>	3.51	
	23 05 29 00-0653	EA	3/8" Diameter x 12" Length Shank, Welded Eye Rod.....	31.18	5.93
			<i>For Work In Restricted Working Space, Add</i>	3.58	
	23 05 29 00-0654	EA	3/8" Diameter x 14" Length Shank, Welded Eye Rod.....	31.40	6.05
			<i>For Work In Restricted Working Space, Add</i>	3.65	
	23 05 29 00-0655	EA	3/8" Diameter x 18" Length Shank, Welded Eye Rod.....	33.37	6.26
			<i>For Work In Restricted Working Space, Add</i>	3.78	
	23 05 29 00-0656	EA	3/8" Diameter x 24" Length Shank, Welded Eye Rod.....	35.60	6.68
			<i>For Work In Restricted Working Space, Add</i>	3.98	
	23 05 29 00-0657	EA	3/8" Diameter x 30" Length Shank, Welded Eye Rod.....	37.02	7.00
			<i>For Work In Restricted Working Space, Add</i>	4.18	
	23 05 29 00-0658	EA	3/8" Diameter x 36" Length Shank, Welded Eye Rod.....	40.00	7.31
			<i>For Work In Restricted Working Space, Add</i>	4.37	
	23 05 29 00-0659	EA	3/8" Diameter x 42" Length Shank, Welded Eye Rod.....	42.19	7.64
			<i>For Work In Restricted Working Space, Add</i>	4.57	
	23 05 29 00-0660	EA	3/8" Diameter x 48" Length Shank, Welded Eye Rod.....	44.40	7.95
			<i>For Work In Restricted Working Space, Add</i>	4.77	
	23 05 29 00-0661	EA	1/2" Diameter x 8" Length Shank, Welded Eye Rod.....	39.67	6.36
			<i>For Work In Restricted Working Space, Add</i>	3.82	
	23 05 29 00-0662	EA	1/2" Diameter x 10" Length Shank, Welded Eye Rod.....	40.65	6.47
			<i>For Work In Restricted Working Space, Add</i>	3.89	
	23 05 29 00-0663	EA	1/2" Diameter x 12" Length Shank, Welded Eye Rod.....	41.68	6.57
			<i>For Work In Restricted Working Space, Add</i>	3.95	
	23 05 29 00-0664	EA	1/2" Diameter x 14" Length Shank, Welded Eye Rod.....	42.69	6.68
			<i>For Work In Restricted Working Space, Add</i>	4.03	
	23 05 29 00-0665	EA	1/2" Diameter x 18" Length Shank, Welded Eye Rod.....	44.69	6.89
			<i>For Work In Restricted Working Space, Add</i>	4.17	
	23 05 29 00-0666	EA	1/2" Diameter x 24" Length Shank, Welded Eye Rod.....	48.48	7.32
			<i>For Work In Restricted Working Space, Add</i>	4.38	
	23 05 29 00-0667	EA	1/2" Diameter x 30" Length Shank, Welded Eye Rod.....	51.49	7.64
			<i>For Work In Restricted Working Space, Add</i>	4.59	
	23 05 29 00-0668	EA	1/2" Diameter x 36" Length Shank, Welded Eye Rod.....	55.29	7.95
			<i>For Work In Restricted Working Space, Add</i>	4.80	
	23 05 29 00-0669	EA	1/2" Diameter x 42" Length Shank, Welded Eye Rod.....	58.27	8.38
			<i>For Work In Restricted Working Space, Add</i>	5.01	
	23 05 29 00-0670	EA	1/2" Diameter x 48" Length Shank, Welded Eye Rod.....	61.31	8.70
			<i>For Work In Restricted Working Space, Add</i>	5.23	
	23 05 29 00-0671	EA	5/8" Diameter x 8" Length Shank, Welded Eye Rod.....	54.27	7.11
			<i>For Work In Restricted Working Space, Add</i>	4.27	
	23 05 29 00-0672	EA	5/8" Diameter x 10" Length Shank, Welded Eye Rod.....	56.03	7.22
			<i>For Work In Restricted Working Space, Add</i>	4.34	
	23 05 29 00-0673	EA	5/8" Diameter x 12" Length Shank, Welded Eye Rod.....	57.85	7.32
			<i>For Work In Restricted Working Space, Add</i>	4.42	
	23 05 29 00-0674	EA	5/8" Diameter x 14" Length Shank, Welded Eye Rod.....	58.86	7.53
			<i>For Work In Restricted Working Space, Add</i>	4.49	
	23 05 29 00-0675	EA	5/8" Diameter x 18" Length Shank, Welded Eye Rod.....	61.65	7.74
			<i>For Work In Restricted Working Space, Add</i>	4.64	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0676	EA		5/8" Diameter x 24" Length Shank, Welded Eye Rod.....	66.24	8.06
			<i>For Work In Restricted Working Space, Add</i>	4.86	
23 05 29 00-0677	EA		5/8" Diameter x 30" Length Shank, Welded Eye Rod.....	70.80	8.49
			<i>For Work In Restricted Working Space, Add</i>	5.07	
23 05 29 00-0678	EA		5/8" Diameter x 36" Length Shank, Welded Eye Rod.....	74.62	8.80
			<i>For Work In Restricted Working Space, Add</i>	5.30	
23 05 29 00-0679	EA		5/8" Diameter x 42" Length Shank, Welded Eye Rod.....	79.21	9.23
			<i>For Work In Restricted Working Space, Add</i>	5.52	
23 05 29 00-0680	EA		5/8" Diameter x 48" Length Shank, Welded Eye Rod.....	83.77	9.55
			<i>For Work In Restricted Working Space, Add</i>	5.73	
23 05 29 00-0681	EA		3/4" Diameter x 8" Length Shank, Welded Eye Rod.....	66.98	8.06
			<i>For Work In Restricted Working Space, Add</i>	4.85	
23 05 29 00-0682	EA		3/4" Diameter x 10" Length Shank, Welded Eye Rod.....	69.55	8.16
			<i>For Work In Restricted Working Space, Add</i>	4.93	
23 05 29 00-0683	EA		3/4" Diameter x 12" Length Shank, Welded Eye Rod.....	71.33	8.38
			<i>For Work In Restricted Working Space, Add</i>	5.00	
23 05 29 00-0684	EA		3/4" Diameter x 14" Length Shank, Welded Eye Rod.....	73.89	8.49
			<i>For Work In Restricted Working Space, Add</i>	5.08	
23 05 29 00-0685	EA		3/4" Diameter x 18" Length Shank, Welded Eye Rod.....	78.25	8.70
			<i>For Work In Restricted Working Space, Add</i>	5.23	
23 05 29 00-0686	EA		3/4" Diameter x 24" Length Shank, Welded Eye Rod.....	84.37	9.12
			<i>For Work In Restricted Working Space, Add</i>	5.45	
23 05 29 00-0687	EA		3/4" Diameter x 30" Length Shank, Welded Eye Rod.....	90.51	9.44
			<i>For Work In Restricted Working Space, Add</i>	5.68	
23 05 29 00-0688	EA		3/4" Diameter x 36" Length Shank, Welded Eye Rod.....	97.44	9.87
			<i>For Work In Restricted Working Space, Add</i>	5.91	
23 05 29 00-0689	EA		3/4" Diameter x 42" Length Shank, Welded Eye Rod.....	104.32	10.18
			<i>For Work In Restricted Working Space, Add</i>	6.13	
23 05 29 00-0690	EA		3/4" Diameter x 48" Length Shank, Welded Eye Rod.....	110.48	10.60
			<i>For Work In Restricted Working Space, Add</i>	6.36	
23 05 29 00-0691	EA		7/8" Diameter x 8" Length Shank, Welded Eye Rod.....	80.34	9.33
			<i>For Work In Restricted Working Space, Add</i>	5.63	
23 05 29 00-0692	EA		7/8" Diameter x 10" Length Shank, Welded Eye Rod.....	83.68	9.55
			<i>For Work In Restricted Working Space, Add</i>	5.71	
23 05 29 00-0693	EA		7/8" Diameter x 12" Length Shank, Welded Eye Rod.....	86.25	9.66
			<i>For Work In Restricted Working Space, Add</i>	5.78	
23 05 29 00-0694	EA		7/8" Diameter x 14" Length Shank, Welded Eye Rod.....	88.81	9.76
			<i>For Work In Restricted Working Space, Add</i>	5.86	
23 05 29 00-0695	EA		7/8" Diameter x 18" Length Shank, Welded Eye Rod.....	93.98	10.08
			<i>For Work In Restricted Working Space, Add</i>	6.02	
23 05 29 00-0696	EA		7/8" Diameter x 24" Length Shank, Welded Eye Rod.....	102.44	10.39
			<i>For Work In Restricted Working Space, Add</i>	6.26	
23 05 29 00-0697	EA		7/8" Diameter x 30" Length Shank, Welded Eye Rod.....	110.15	10.82
			<i>For Work In Restricted Working Space, Add</i>	6.49	
23 05 29 00-0698	EA		7/8" Diameter x 36" Length Shank, Welded Eye Rod.....	118.64	11.24
			<i>For Work In Restricted Working Space, Add</i>	6.73	
23 05 29 00-0699	EA		7/8" Diameter x 42" Length Shank, Welded Eye Rod.....	126.34	11.56
			<i>For Work In Restricted Working Space, Add</i>	6.96	
23 05 29 00-0700	EA		7/8" Diameter x 48" Length Shank, Welded Eye Rod.....	134.06	11.98
			<i>For Work In Restricted Working Space, Add</i>	7.20	
23 05 29 00-0701	EA		1" Diameter x 8" Length Shank, Welded Eye Rod.....	100.90	11.24
			<i>For Work In Restricted Working Space, Add</i>	6.72	
23 05 29 00-0702	EA		1" Diameter x 10" Length Shank, Welded Eye Rod.....	104.28	11.35
			<i>For Work In Restricted Working Space, Add</i>	6.81	
23 05 29 00-0703	EA		1" Diameter x 12" Length Shank, Welded Eye Rod.....	107.66	11.45
			<i>For Work In Restricted Working Space, Add</i>	6.89	
23 05 29 00-0704	EA		1" Diameter x 14" Length Shank, Welded Eye Rod.....	111.03	11.67
			<i>For Work In Restricted Working Space, Add</i>	6.98	
23 05 29 00-0705	EA		1" Diameter x 18" Length Shank, Welded Eye Rod.....	117.76	11.98
			<i>For Work In Restricted Working Space, Add</i>	7.16	
23 05 29 00-0706	EA		1" Diameter x 24" Length Shank, Welded Eye Rod.....	127.89	12.41
			<i>For Work In Restricted Working Space, Add</i>	7.43	
23 05 29 00-0707	EA		1" Diameter x 30" Length Shank, Welded Eye Rod.....	138.02	12.83
			<i>For Work In Restricted Working Space, Add</i>	7.69	
23 05 29 00-0708	EA		1" Diameter x 36" Length Shank, Welded Eye Rod.....	148.87	13.25
			<i>For Work In Restricted Working Space, Add</i>	7.96	
23 05 29 00-0709	EA		1" Diameter x 42" Length Shank, Welded Eye Rod.....	159.00	13.68
			<i>For Work In Restricted Working Space, Add</i>	8.22	
23 05 29 00-0710	EA		1" Diameter x 48" Length Shank, Welded Eye Rod.....	169.14	14.11
			<i>For Work In Restricted Working Space, Add</i>	8.49	
23 05 29 00-0711			<b>Welded Linked Eye Rod (Cooper B-Line B3211X)</b> (23 05 29 00-0595)		
23 05 29 00-0712	EA		3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	63.24	7.74
			<i>For Work In Restricted Working Space, Add</i>	4.67	
23 05 29 00-0713	EA		3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	64.94	7.95
			<i>For Work In Restricted Working Space, Add</i>	4.80	
23 05 29 00-0714	EA		3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	66.64	8.27
			<i>For Work In Restricted Working Space, Add</i>	4.93	
23 05 29 00-0715	EA		3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	67.31	8.58
			<i>For Work In Restricted Working Space, Add</i>	5.13	
23 05 29 00-0716	EA		3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	70.51	8.91
			<i>For Work In Restricted Working Space, Add</i>	5.33	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0717	EA		3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	74.45	9.54
			<i>For Work In Restricted Working Space, Add</i>	5.72	
23 05 29 00-0718	EA		3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	77.03	10.18
			<i>For Work In Restricted Working Space, Add</i>	6.12	
23 05 29 00-0719	EA		3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	82.22	10.92
			<i>For Work In Restricted Working Space, Add</i>	6.52	
23 05 29 00-0720	EA		1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	82.47	8.59
			<i>For Work In Restricted Working Space, Add</i>	5.16	
23 05 29 00-0721	EA		1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	84.20	8.80
			<i>For Work In Restricted Working Space, Add</i>	5.30	
23 05 29 00-0722	EA		1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	85.99	9.01
			<i>For Work In Restricted Working Space, Add</i>	5.44	
23 05 29 00-0723	EA		1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	87.98	9.44
			<i>For Work In Restricted Working Space, Add</i>	5.65	
23 05 29 00-0724	EA		1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	91.22	9.76
			<i>For Work In Restricted Working Space, Add</i>	5.86	
23 05 29 00-0725	EA		1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	97.77	10.50
			<i>For Work In Restricted Working Space, Add</i>	6.29	
23 05 29 00-0726	EA		1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	103.05	11.14
			<i>For Work In Restricted Working Space, Add</i>	6.71	
23 05 29 00-0727	EA		1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	109.60	11.88
			<i>For Work In Restricted Working Space, Add</i>	7.13	
23 05 29 00-0728	EA		5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	111.35	9.55
			<i>For Work In Restricted Working Space, Add</i>	5.76	
23 05 29 00-0729	EA		5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	114.38	9.87
			<i>For Work In Restricted Working Space, Add</i>	5.90	
23 05 29 00-0730	EA		5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	117.45	10.08
			<i>For Work In Restricted Working Space, Add</i>	6.05	
23 05 29 00-0731	EA		5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	119.48	10.50
			<i>For Work In Restricted Working Space, Add</i>	6.27	
23 05 29 00-0732	EA		5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	124.06	10.82
			<i>For Work In Restricted Working Space, Add</i>	6.49	
23 05 29 00-0733	EA		5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	131.94	11.56
			<i>For Work In Restricted Working Space, Add</i>	6.93	
23 05 29 00-0734	EA		5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	139.79	12.31
			<i>For Work In Restricted Working Space, Add</i>	7.37	
23 05 29 00-0735	EA		5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	146.39	13.04
			<i>For Work In Restricted Working Space, Add</i>	7.81	
23 05 29 00-0736	EA		3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	141.44	10.82
			<i>For Work In Restricted Working Space, Add</i>	6.52	
23 05 29 00-0737	EA		3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	145.85	11.14
			<i>For Work In Restricted Working Space, Add</i>	6.67	
23 05 29 00-0738	EA		3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	148.88	11.35
			<i>For Work In Restricted Working Space, Add</i>	6.82	
23 05 29 00-0739	EA		3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	153.49	11.77
			<i>For Work In Restricted Working Space, Add</i>	7.05	
23 05 29 00-0740	EA		3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	160.65	12.10
			<i>For Work In Restricted Working Space, Add</i>	7.27	
23 05 29 00-0741	EA		3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	171.11	12.83
			<i>For Work In Restricted Working Space, Add</i>	7.72	
23 05 29 00-0742	EA		3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	181.60	13.58
			<i>For Work In Restricted Working Space, Add</i>	8.18	
23 05 29 00-0743	EA		3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	193.39	14.42
			<i>For Work In Restricted Working Space, Add</i>	8.63	
23 05 29 00-0744	EA		7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	170.15	12.52
			<i>For Work In Restricted Working Space, Add</i>	7.54	
23 05 29 00-0745	EA		7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	175.81	12.83
			<i>For Work In Restricted Working Space, Add</i>	7.69	
23 05 29 00-0746	EA		7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	180.20	13.04
			<i>For Work In Restricted Working Space, Add</i>	7.85	
23 05 29 00-0747	EA		7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	184.81	13.47
			<i>For Work In Restricted Working Space, Add</i>	8.09	
23 05 29 00-0748	EA		7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	193.33	13.90
			<i>For Work In Restricted Working Space, Add</i>	8.32	
23 05 29 00-0749	EA		7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	207.71	14.64
			<i>For Work In Restricted Working Space, Add</i>	8.79	
23 05 29 00-0750	EA		7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	220.80	15.48
			<i>For Work In Restricted Working Space, Add</i>	9.26	
23 05 29 00-0751	EA		7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	235.20	16.23
			<i>For Work In Restricted Working Space, Add</i>	9.74	
23 05 29 00-0752	EA		1" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	217.28	14.96
			<i>For Work In Restricted Working Space, Add</i>	8.98	
23 05 29 00-0753	EA		1" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	223.00	15.27
			<i>For Work In Restricted Working Space, Add</i>	9.16	
23 05 29 00-0754	EA		1" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	228.72	15.59
			<i>For Work In Restricted Working Space, Add</i>	9.33	
23 05 29 00-0755	EA		1" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	234.75	16.02
			<i>For Work In Restricted Working Space, Add</i>	9.60	
23 05 29 00-0756	EA		1" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	245.84	16.44
			<i>For Work In Restricted Working Space, Add</i>	9.86	
23 05 29 00-0757	EA		1" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	263.03	17.29
			<i>For Work In Restricted Working Space, Add</i>	10.40	
23 05 29 00-0758	EA		1" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	280.23	18.24
			<i>For Work In Restricted Working Space, Add</i>	10.93	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0759 EA 1" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	298.59 11.45	19.09
<b>23 05 29 00-0760 Attachments</b> <small>(23 05 29 00-0594)</small>		
<b>23 05 29 00-0761 Welded Beam Attachments (B-Line B-3083)</b> <small>(23 05 29 00-0760)</small> Note: Type 22.		
23 05 29 00-0762 EA 3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	46.96 5.94	9.91
23 05 29 00-0763 EA 1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	50.15 6.26	10.40
23 05 29 00-0764 EA 5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	53.41 6.60	11.00
23 05 29 00-0765 EA 3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	68.79 6.99	11.69
23 05 29 00-0766 EA 7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	82.96 7.43	12.39
23 05 29 00-0767 EA 1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	117.15 8.49	14.17
23 05 29 00-0768 EA 1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	167.28 8.92	14.86
<b>23 05 29 00-0769 C-Clamp Style Beam Clamps (B-Line B-3034)</b> <small>(23 05 29 00-0760)</small> Note: Type 23. Top or bottom flange mount.		
23 05 29 00-0770 EA 3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	16.57 3.98	5.41
23 05 29 00-0771 EA 1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	19.89 4.24	6.89
23 05 29 00-0772 EA 5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	22.63 4.55	7.43
23 05 29 00-0773 EA 3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	29.29 4.90	7.95
23 05 29 00-0774 EA 7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	42.88 5.30	8.49
<b>23 05 29 00-0775 Bottom Mount I-Beam Clamps (B-Line B-3055)</b> <small>(23 05 29 00-0760)</small> Note: Type 21. For attaching threaded rod centered under beam flanges.		
23 05 29 00-0776 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	46.83 5.30	7.43
23 05 29 00-0777 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	69.25 5.78	9.55
23 05 29 00-0778 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	99.35 6.37	10.60
23 05 29 00-0779 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	119.02 7.07	11.67
23 05 29 00-0780 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	290.08 7.96	12.73
<b>23 05 29 00-0781 Steel U-Bolts (B-Line B-3188)</b> <small>(23 05 29 00-0760)</small> Note: Type 24. Includes plate and nuts.		
23 05 29 00-0782 EA 1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	13.52 3.18	2.65
23 05 29 00-0783 EA 3/4" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	14.70 3.35	3.18
23 05 29 00-0784 EA 1" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	15.83 3.53	3.18
23 05 29 00-0785 EA 1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	18.05 3.74	3.18
23 05 29 00-0786 EA 1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	18.62 3.98	3.71
23 05 29 00-0787 EA 2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	19.93 4.24	3.71
23 05 29 00-0788 EA 2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	29.03 4.54	3.71
23 05 29 00-0789 EA 3" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	32.03 4.89	4.24
23 05 29 00-0790 EA 4" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	38.82 5.30	4.78
<b>23 05 29 00-0791 Copper Standoff Brackets With Flange</b> <small>(23 05 29 00-0760)</small> Note: Installed in wood, concrete, concrete block or steel.		
23 05 29 00-0792 EA Clamp Size 1/2", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	32.49 9.09	15.17
23 05 29 00-0793 EA Clamp Size 3/4", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	32.62 9.09	15.17
23 05 29 00-0794 EA Clamp Size 1", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	32.76 9.09	15.17
23 05 29 00-0795 EA Clamp Size 1 1/4", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	34.85 9.64	16.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0796 EA Clamp Size 1 1/2", Copper Standoff Brackets With Flange ..... <i>For Work In Restricted Working Space, Add</i>	35.12 9.64	16.13
<b>23 05 29 00-0797 Malleable Iron Eye Sockets (B-Line B-3222) (23 05 29 00-0760)</b> Note: Type 16.		
23 05 29 00-0798 EA 3/8" Rod Size, Malleable Iron Eye Socket ..... <i>For Work In Restricted Working Space, Add</i>	10.57 0.97	1.59
23 05 29 00-0799 EA 1/2" Rod Size, Malleable Iron Eye Socket ..... <i>For Work In Restricted Working Space, Add</i>	13.46 1.27	2.12
23 05 29 00-0800 EA 5/8" Rod Size, Malleable Iron Eye Socket ..... <i>For Work In Restricted Working Space, Add</i>	23.22 1.28	2.12
23 05 29 00-0801 EA 3/4" Rod Size, Malleable Iron Eye Socket ..... <i>For Work In Restricted Working Space, Add</i>	32.78 1.27	2.12
23 05 29 00-0802 EA 7/8" Rod Size, Malleable Iron Eye Socket ..... <i>For Work In Restricted Working Space, Add</i>	35.38 1.59	2.65
<b>23 05 29 00-0803 Steel Weldless Eye Nuts (B-Line B-3200) (23 05 29 00-0760)</b> Note: Type 17.		
23 05 29 00-0804 EA 3/8" Rod Size, Steel Weldless Eye Nut ..... <i>For Work In Restricted Working Space, Add</i>	34.62 0.97	1.59
23 05 29 00-0805 EA 1/2" Rod Size, Steel Weldless Eye Nut ..... <i>For Work In Restricted Working Space, Add</i>	35.64 1.27	2.12
23 05 29 00-0806 EA 5/8" Rod Size, Steel Weldless Eye Nut ..... <i>For Work In Restricted Working Space, Add</i>	35.68 1.28	2.12
23 05 29 00-0807 EA 3/4" Rod Size, Steel Weldless Eye Nut ..... <i>For Work In Restricted Working Space, Add</i>	35.64 1.27	2.12
23 05 29 00-0808 EA 7/8" Rod Size, Steel Weldless Eye Nut ..... <i>For Work In Restricted Working Space, Add</i>	69.57 1.43	2.34
23 05 29 00-0809 EA 1" Rod Size, Steel Weldless Eye Nut ..... <i>For Work In Restricted Working Space, Add</i>	70.10 1.59	2.65
<b>23 05 29 00-0810 Top Mount I-Beam Clamps (B-Line B-3042) (23 05 29 00-0760)</b> Note: For attaching threaded rod to either side of an I-beam.		
23 05 29 00-0811 EA 3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	23.24 2.97	4.95
23 05 29 00-0812 EA 1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	27.98 3.28	5.45
23 05 29 00-0813 EA 5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	33.95 3.60	5.94
23 05 29 00-0814 EA 3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	46.78 3.79	6.44
23 05 29 00-0815 EA 7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	71.93 4.46	7.43
23 05 29 00-0816 EA 3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	24.48 2.97	4.95
23 05 29 00-0817 EA 1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	29.73 3.28	5.45
23 05 29 00-0818 EA 5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	33.95 3.60	5.94
23 05 29 00-0819 EA 3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	51.38 3.79	6.44
23 05 29 00-0820 EA 7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	79.79 4.46	7.43
23 05 29 00-0821 EA 3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	27.36 2.97	4.95
23 05 29 00-0822 EA 1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	32.97 3.28	5.45
23 05 29 00-0823 EA 5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	41.53 3.60	5.94
23 05 29 00-0824 EA 3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	59.98 3.79	6.44
23 05 29 00-0825 EA 7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	96.61 4.46	7.43
<b>23 05 29 00-0826 Side Beam Brackets (B-Line B-3062) (23 05 29 00-0760)</b> Note: Type 34.		
23 05 29 00-0827 EA 3/8" Rod Size, Side Beam Bracket ..... <i>For Work In Restricted Working Space, Add</i>	18.62 3.98	6.89
23 05 29 00-0828 EA 1/2" Rod Size, Side Beam Bracket ..... <i>For Work In Restricted Working Space, Add</i>	22.11 4.24	6.89
23 05 29 00-0829 EA 5/8" Rod Size, Side Beam Bracket ..... <i>For Work In Restricted Working Space, Add</i>	28.74 4.55	7.43
23 05 29 00-0830 EA 3/4" Rod Size, Side Beam Bracket ..... <i>For Work In Restricted Working Space, Add</i>	51.47 4.90	7.95
23 05 29 00-0831 EA 7/8" Rod Size, Side Beam Bracket ..... <i>For Work In Restricted Working Space, Add</i>	60.30 5.30	9.01
<b>23 05 29 00-0832 Hex Lag Bolts (23 05 29 00-0760)</b> Note: Also known as coach screws.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0833 EA 3/8" x 3-1/2" Long, Hex Lag Bolt.....	2.81	
For Work In Restricted Working Space, Add	0.66	
23 05 29 00-0834 EA 3/8" x 4" Long, Hex Lag Bolt.....	2.86	
For Work In Restricted Working Space, Add	0.69	
23 05 29 00-0835 EA 3/8" x 6" Long, Hex Lag Bolt.....	3.19	
For Work In Restricted Working Space, Add	0.71	
23 05 29 00-0836 EA 3/8" x 8" Long, Hex Lag Bolt.....	3.80	
For Work In Restricted Working Space, Add	0.74	
23 05 29 00-0837 EA 3/8" x 10" Long, Hex Lag Bolt.....	4.04	
For Work In Restricted Working Space, Add	0.77	
23 05 29 00-0838 EA 3/8" x 12" Long, Hex Lag Bolt.....	5.05	
For Work In Restricted Working Space, Add	0.80	
23 05 29 00-0839 EA 1/2" x 3-1/2" Long, Hex Lag Bolt.....	3.80	
For Work In Restricted Working Space, Add	0.80	
23 05 29 00-0840 EA 1/2" x 4" Long, Hex Lag Bolt.....	3.86	
For Work In Restricted Working Space, Add	0.83	
23 05 29 00-0841 EA 1/2" x 6" Long, Hex Lag Bolt.....	4.45	
For Work In Restricted Working Space, Add	0.86	
23 05 29 00-0842 EA 1/2" x 8" Long, Hex Lag Bolt.....	5.12	
For Work In Restricted Working Space, Add	0.90	
23 05 29 00-0843 EA 1/2" x 10" Long, Hex Lag Bolt.....	5.99	
For Work In Restricted Working Space, Add	0.95	
23 05 29 00-0844 EA 1/2" x 12" Long, Hex Lag Bolt.....	6.42	
For Work In Restricted Working Space, Add	0.99	
23 05 29 00-0845 EA 5/8" x 4" Long, Hex Lag Bolt.....	5.18	
For Work In Restricted Working Space, Add	0.88	
23 05 29 00-0846 EA 3/4" x 5" Long, Hex Lag Bolt.....	6.02	
For Work In Restricted Working Space, Add	0.90	
<b>23 05 29 00-0847 Hanger Strap</b> (23 05 29 00-0594)		
23 05 29 00-0848 LF 3/4" Wide x 0.025" Thick Galvanized Hanger Strap.....	5.14	
<b>23 05 29 00-0849 Shields And Saddles</b> (23 05 29)		
<b>23 05 29 00-0850 Insulation Protection Shield</b> (23 05 29 00-0849)		
Note: Type 40.		
<b>23 05 29 00-0851 Insulation Protection Shield (Cooper B-Line B3151)</b> (23 05 29 00-0850)		
23 05 29 00-0852 EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	16.41	2.55
For Work In Restricted Working Space, Add	2.55	
23 05 29 00-0853 EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	16.65	2.58
For Work In Restricted Working Space, Add	2.58	
23 05 29 00-0854 EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	17.09	2.61
For Work In Restricted Working Space, Add	2.61	
23 05 29 00-0855 EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	17.95	2.64
For Work In Restricted Working Space, Add	2.64	
23 05 29 00-0856 EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	20.02	2.70
For Work In Restricted Working Space, Add	2.70	
23 05 29 00-0857 EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	24.86	2.77
For Work In Restricted Working Space, Add	2.77	
23 05 29 00-0858 EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151).....	29.21	2.83
For Work In Restricted Working Space, Add	2.83	
23 05 29 00-0859 EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151).....	36.15	2.89
For Work In Restricted Working Space, Add	2.90	
23 05 29 00-0860 EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	47.01	2.92
For Work In Restricted Working Space, Add	2.93	
23 05 29 00-0861 EA 14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	51.39	2.96
For Work In Restricted Working Space, Add	2.96	
23 05 29 00-0862 EA 16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	71.57	2.99
For Work In Restricted Working Space, Add	2.99	
23 05 29 00-0863 EA 18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	80.67	3.02
For Work In Restricted Working Space, Add	3.02	
23 05 29 00-0864 EA 20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	151.61	3.05
For Work In Restricted Working Space, Add	3.05	
23 05 29 00-0865 EA 24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	164.96	3.11
For Work In Restricted Working Space, Add	3.12	
23 05 29 00-0866 EA 30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	199.83	3.19
For Work In Restricted Working Space, Add	3.18	
<b>23 05 29 00-0867 Insulation Protection Shield (Cooper B-Line B3154)</b> (23 05 29 00-0850)		
23 05 29 00-0868 EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	14.23	2.55
For Work In Restricted Working Space, Add	2.55	
23 05 29 00-0869 EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	14.43	2.58
For Work In Restricted Working Space, Add	2.58	
23 05 29 00-0870 EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	14.78	2.61
For Work In Restricted Working Space, Add	2.61	
23 05 29 00-0871 EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	15.43	2.64
For Work In Restricted Working Space, Add	2.64	
23 05 29 00-0872 EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	17.00	2.70
For Work In Restricted Working Space, Add	2.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0873 EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	20.56	2.77
<i>For Work In Restricted Working Space, Add</i>	2.77	
23 05 29 00-0874 EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	22.21	2.83
<i>For Work In Restricted Working Space, Add</i>	2.83	
23 05 29 00-0875 EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	28.87	2.89
<i>For Work In Restricted Working Space, Add</i>	2.90	
23 05 29 00-0876 EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	35.06	2.92
<i>For Work In Restricted Working Space, Add</i>	2.93	
<b>23 05 29 00-0877 Pipe Covering Protection Saddle (23 05 29 00-0849)</b>		
Note: Sizes are pipe sizes.		
<b>23 05 29 00-0878 Saddle, For 1" Insulation (Cooper B-Line B3160) (23 05 29 00-0877)</b>		
23 05 29 00-0879 EA 3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	25.52	3.51
<i>For Work In Restricted Working Space, Add</i>	3.51	
23 05 29 00-0880 EA 1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) .....	25.62	3.54
<i>For Work In Restricted Working Space, Add</i>	3.54	
23 05 29 00-0881 EA 1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) .....	25.72	3.57
<i>For Work In Restricted Working Space, Add</i>	3.57	
23 05 29 00-0882 EA 1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) .....	27.09	3.63
<i>For Work In Restricted Working Space, Add</i>	3.63	
23 05 29 00-0883 EA 2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) .....	27.18	3.65
<i>For Work In Restricted Working Space, Add</i>	3.65	
23 05 29 00-0884 EA 2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) .....	28.14	3.71
<i>For Work In Restricted Working Space, Add</i>	3.72	
23 05 29 00-0885 EA 3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) .....	31.60	3.77
<i>For Work In Restricted Working Space, Add</i>	3.77	
23 05 29 00-0886 EA 4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) .....	35.84	3.84
<i>For Work In Restricted Working Space, Add</i>	3.84	
23 05 29 00-0887 EA 6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) .....	40.59	3.95
<i>For Work In Restricted Working Space, Add</i>	3.95	
23 05 29 00-0888 EA 8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) .....	50.05	4.10
<i>For Work In Restricted Working Space, Add</i>	4.10	
23 05 29 00-0889 EA 10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) .....	56.30	4.16
<i>For Work In Restricted Working Space, Add</i>	4.16	
23 05 29 00-0890 EA 12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) .....	67.34	4.16
<i>For Work In Restricted Working Space, Add</i>	4.25	
23 05 29 00-0891 EA 14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) .....	73.80	4.31
<i>For Work In Restricted Working Space, Add</i>	4.31	
<b>23 05 29 00-0892 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) (23 05 29 00-0877)</b>		
23 05 29 00-0893 EA 3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	29.20	3.51
<i>For Work In Restricted Working Space, Add</i>	3.51	
23 05 29 00-0894 EA 1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	29.30	3.54
<i>For Work In Restricted Working Space, Add</i>	3.54	
23 05 29 00-0895 EA 1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	29.40	3.57
<i>For Work In Restricted Working Space, Add</i>	3.57	
23 05 29 00-0896 EA 1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	30.53	3.63
<i>For Work In Restricted Working Space, Add</i>	3.63	
23 05 29 00-0897 EA 2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	33.18	3.65
<i>For Work In Restricted Working Space, Add</i>	3.65	
23 05 29 00-0898 EA 2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	35.94	3.71
<i>For Work In Restricted Working Space, Add</i>	3.72	
23 05 29 00-0899 EA 3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	36.54	3.77
<i>For Work In Restricted Working Space, Add</i>	3.77	
23 05 29 00-0900 EA 4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	41.92	3.77
<i>For Work In Restricted Working Space, Add</i>	3.84	
23 05 29 00-0901 EA 6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	47.47	3.95
<i>For Work In Restricted Working Space, Add</i>	3.95	
23 05 29 00-0902 EA 8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	56.80	4.10
<i>For Work In Restricted Working Space, Add</i>	4.10	
23 05 29 00-0903 EA 10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	64.28	4.16
<i>For Work In Restricted Working Space, Add</i>	4.16	
23 05 29 00-0904 EA 12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	77.18	4.25
<i>For Work In Restricted Working Space, Add</i>	4.25	
23 05 29 00-0905 EA 14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	84.85	4.31
<i>For Work In Restricted Working Space, Add</i>	4.31	
<b>23 05 29 00-0906 Saddle, For 2" Insulation (Cooper B-Line B3162) (23 05 29 00-0877)</b>		
23 05 29 00-0907 EA 3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	31.31	3.68
<i>For Work In Restricted Working Space, Add</i>	3.68	
23 05 29 00-0908 EA 1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	31.42	3.71
<i>For Work In Restricted Working Space, Add</i>	3.72	
23 05 29 00-0909 EA 1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	33.23	3.74
<i>For Work In Restricted Working Space, Add</i>	3.74	
23 05 29 00-0910 EA 1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	34.30	3.80
<i>For Work In Restricted Working Space, Add</i>	3.80	
23 05 29 00-0911 EA 2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	35.27	3.84
<i>For Work In Restricted Working Space, Add</i>	3.84	
23 05 29 00-0912 EA 2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	35.46	3.91
<i>For Work In Restricted Working Space, Add</i>	3.89	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0913 EA 3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	37.63	3.96
<i>For Work In Restricted Working Space, Add</i>	3.95	
23 05 29 00-0914 EA 4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	39.81	4.02
<i>For Work In Restricted Working Space, Add</i>	4.01	
23 05 29 00-0915 EA 6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	51.70	4.15
<i>For Work In Restricted Working Space, Add</i>	4.16	
23 05 29 00-0916 EA 8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	59.01	4.31
<i>For Work In Restricted Working Space, Add</i>	4.31	
23 05 29 00-0917 EA 10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	62.11	4.37
<i>For Work In Restricted Working Space, Add</i>	4.37	
23 05 29 00-0918 EA 12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	85.24	4.46
<i>For Work In Restricted Working Space, Add</i>	4.46	
23 05 29 00-0919 EA 14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	94.82	4.53
<i>For Work In Restricted Working Space, Add</i>	4.52	
23 05 29 00-0920 EA 16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	104.59	4.63
<i>For Work In Restricted Working Space, Add</i>	4.64	
23 05 29 00-0921 EA 18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	114.36	4.76
<i>For Work In Restricted Working Space, Add</i>	4.76	
23 05 29 00-0922 EA 20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	125.76	4.88
<i>For Work In Restricted Working Space, Add</i>	4.88	
23 05 29 00-0923 EA 24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	144.61	4.99
<i>For Work In Restricted Working Space, Add</i>	4.99	
<b>23 05 29 00-0924 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <small>(23 05 29 00-0877)</small></b>		
23 05 29 00-0925 EA 1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	35.39	3.84
<i>For Work In Restricted Working Space, Add</i>	3.84	
23 05 29 00-0926 EA 1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	37.51	3.90
<i>For Work In Restricted Working Space, Add</i>	3.89	
23 05 29 00-0927 EA 2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	38.58	3.94
<i>For Work In Restricted Working Space, Add</i>	3.92	
23 05 29 00-0928 EA 2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	39.75	3.99
<i>For Work In Restricted Working Space, Add</i>	3.98	
23 05 29 00-0929 EA 3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	40.04	4.06
<i>For Work In Restricted Working Space, Add</i>	4.07	
23 05 29 00-0930 EA 4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	47.17	4.12
<i>For Work In Restricted Working Space, Add</i>	4.13	
23 05 29 00-0931 EA 6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	54.50	4.25
<i>For Work In Restricted Working Space, Add</i>	4.25	
23 05 29 00-0932 EA 8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	64.06	4.41
<i>For Work In Restricted Working Space, Add</i>	4.40	
23 05 29 00-0933 EA 10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	68.90	4.48
<i>For Work In Restricted Working Space, Add</i>	4.49	
23 05 29 00-0934 EA 12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	87.45	4.57
<i>For Work In Restricted Working Space, Add</i>	4.58	
23 05 29 00-0935 EA 14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	104.67	4.63
<i>For Work In Restricted Working Space, Add</i>	4.64	
23 05 29 00-0936 EA 16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	122.09	4.75
<i>For Work In Restricted Working Space, Add</i>	4.76	
23 05 29 00-0937 EA 18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	129.90	4.87
<i>For Work In Restricted Working Space, Add</i>	4.88	
23 05 29 00-0938 EA 20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	138.58	4.99
<i>For Work In Restricted Working Space, Add</i>	4.99	
23 05 29 00-0939 EA 24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	147.28	5.11
<i>For Work In Restricted Working Space, Add</i>	5.11	
<b>23 05 29 00-0940 Saddle, For 3" Insulation (Cooper B-Line B3164) <small>(23 05 29 00-0877)</small></b>		
23 05 29 00-0941 EA 2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	39.96	4.02
<i>For Work In Restricted Working Space, Add</i>	4.01	
23 05 29 00-0942 EA 2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) .....	43.92	4.09
<i>For Work In Restricted Working Space, Add</i>	4.10	
23 05 29 00-0943 EA 3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	45.93	4.15
<i>For Work In Restricted Working Space, Add</i>	4.16	
23 05 29 00-0944 EA 4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	47.95	4.22
<i>For Work In Restricted Working Space, Add</i>	4.22	
23 05 29 00-0945 EA 6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	55.67	4.35
<i>For Work In Restricted Working Space, Add</i>	4.34	
23 05 29 00-0946 EA 8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	70.90	4.51
<i>For Work In Restricted Working Space, Add</i>	4.52	
23 05 29 00-0947 EA 10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	77.21	4.57
<i>For Work In Restricted Working Space, Add</i>	4.58	
23 05 29 00-0948 EA 12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	102.01	4.67
<i>For Work In Restricted Working Space, Add</i>	4.67	
23 05 29 00-0949 EA 14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	122.76	4.75
<i>For Work In Restricted Working Space, Add</i>	4.76	
23 05 29 00-0950 EA 16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	143.53	4.86
<i>For Work In Restricted Working Space, Add</i>	4.85	
23 05 29 00-0951 EA 18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	146.21	4.98
<i>For Work In Restricted Working Space, Add</i>	4.99	
23 05 29 00-0952 EA 20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	148.81	5.10
<i>For Work In Restricted Working Space, Add</i>	5.11	
23 05 29 00-0953 EA 24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	190.40	5.23
<i>For Work In Restricted Working Space, Add</i>	5.23	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 29 00-0954</b>				<b>Saddle, For 4" Insulation (Cooper B-Line B3165)</b> <small>(23 05 29 00-0877)</small>		
				EA 2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) .....	45.57	4.11
				<i>For Work In Restricted Working Space, Add</i>	4.10	
				EA 2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) .....	50.25	4.18
				<i>For Work In Restricted Working Space, Add</i>	4.19	
				EA 3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) .....	52.64	4.25
				<i>For Work In Restricted Working Space, Add</i>	4.25	
				EA 4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) .....	55.14	4.31
				<i>For Work In Restricted Working Space, Add</i>	4.31	
				EA 6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) .....	68.28	4.45
				<i>For Work In Restricted Working Space, Add</i>	4.46	
				EA 8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) .....	81.41	4.61
				<i>For Work In Restricted Working Space, Add</i>	4.61	
				EA 10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) .....	84.24	4.68
				<i>For Work In Restricted Working Space, Add</i>	4.70	
				EA 12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) .....	109.20	4.79
				<i>For Work In Restricted Working Space, Add</i>	4.79	
				EA 14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) .....	133.76	4.85
				<i>For Work In Restricted Working Space, Add</i>	4.85	
				EA 16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) .....	158.52	4.97
				<i>For Work In Restricted Working Space, Add</i>	4.97	
				EA 18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) .....	195.09	5.09
				<i>For Work In Restricted Working Space, Add</i>	5.08	
				EA 20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) .....	231.46	5.22
				<i>For Work In Restricted Working Space, Add</i>	5.23	
				EA 24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) .....	247.91	5.35
				<i>For Work In Restricted Working Space, Add</i>	5.35	
				EA 30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) .....	261.07	5.49
				<i>For Work In Restricted Working Space, Add</i>	5.50	
				EA 36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) .....	270.80	5.63
				<i>For Work In Restricted Working Space, Add</i>	5.62	
<b>23 05 29 00-0970</b>				<b>Adjustable Pipe Saddle Support (Cooper B-Line B3096)</b> <small>(23 05 29 00-0849)</small>		
				EA 2" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	104.24	13.25
				EA 3" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	109.85	15.38
				EA 4" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	133.92	17.50
				EA 5" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	139.26	19.09
				EA 6" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	154.51	21.22
				EA 8" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	174.30	26.52
				EA 10" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	227.54	35.53
				EA 12" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	275.90	53.04
<b>23 05 29 00-0979</b>				<b>Pipe Stanchion Support (Cooper B-Line B3090)</b> <small>(23 05 29 00-0849)</small>		
				EA 2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	130.80	13.25
				EA 3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	134.59	15.38
				EA 3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	144.09	16.44
				EA 4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	146.57	17.50
				EA 5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	153.81	19.09
				EA 6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	162.52	21.22
				EA 8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	206.62	26.52
				EA 10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	278.97	35.53
				EA 12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	361.03	53.04
<b>23 05 29 00-0989</b>				<b>Pipe Saddle Support (Cooper B-Line B3095)</b> <small>(23 05 29 00-0849)</small>		
				EA 2-1/2" Pipe Saddle Support (Cooper B-Line B3095) .....	63.48	13.25
				EA 3" Pipe Saddle Support (Cooper B-Line B3095) .....	67.27	15.38
				EA 3-1/2" Pipe Saddle Support (Cooper B-Line B3095) .....	105.06	16.44
				EA 4" Pipe Saddle Support (Cooper B-Line B3095) .....	107.54	17.50
				EA 5" Pipe Saddle Support (Cooper B-Line B3095) .....	118.41	19.09
				EA 6" Pipe Saddle Support (Cooper B-Line B3095) .....	131.24	21.22
				EA 8" Pipe Saddle Support (Cooper B-Line B3095) .....	149.30	26.52
				EA 10" Pipe Saddle Support (Cooper B-Line B3095) .....	171.65	35.53
				EA 12" Pipe Saddle Support (Cooper B-Line B3095) .....	212.09	53.04
<b>23 05 29 00-0999</b>				<b>360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate</b> <small>(23 05 29 00-0849)</small>		
				Note: Insert is for use as isolated protective insulation at hangers.		
<b>23 05 29 00-1000</b>				<b>1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate</b> <small>(23 05 29 00-0999)</small>		
				EA 1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	15.56	6.98
				EA 3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	15.81	6.98
				EA 1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	15.88	6.98
				EA 1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	16.13	6.98
				EA 1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	17.25	7.40
				EA 2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	18.00	7.63

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 05 29 00-1007	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.88	7.95
23 05 29 00-1008	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.83	8.26
23 05 29 00-1009	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.47	8.58
23 05 29 00-1010	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.37	7.40
23 05 29 00-1011	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.07	9.66
23 05 29 00-1012	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.27	11.38
23 05 29 00-1013	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	45.97	13.21
23 05 29 00-1014	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	51.46	13.63

**23 05 29 00-1015 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate**

(23 05 29 00-0999)

23 05 29 00-1016	EA	1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.21	5.26
23 05 29 00-1017	EA	3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.48	5.26
23 05 29 00-1018	EA	1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.80	5.37
23 05 29 00-1019	EA	1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.27	5.47
23 05 29 00-1020	EA	1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.72	5.47
23 05 29 00-1021	EA	2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.50	5.69
23 05 29 00-1022	EA	2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.44	5.90
23 05 29 00-1023	EA	3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.93	6.01
23 05 29 00-1024	EA	4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.70	6.55
23 05 29 00-1025	EA	6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.70	11.27
23 05 29 00-1026	EA	8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.48	8.48
23 05 29 00-1027	EA	10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.02	9.98
23 05 29 00-1028	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.39	11.48
23 05 29 00-1029	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	43.02	13.85

**23 05 29 00-1030 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate**

(23 05 29 00-0999)

23 05 29 00-1031	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.07	6.01
23 05 29 00-1032	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.28	6.01
23 05 29 00-1033	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.86	6.12
23 05 29 00-1034	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.38	6.23
23 05 29 00-1035	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.93	6.34
23 05 29 00-1036	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.69	6.55
23 05 29 00-1037	EA	2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.78	6.76
23 05 29 00-1038	EA	3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.78	6.98
23 05 29 00-1039	EA	4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.00	7.40
23 05 29 00-1040	EA	6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.58	8.37
23 05 29 00-1041	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.75	14.28
23 05 29 00-1042	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	49.15	16.53
23 05 29 00-1043	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	56.82	19.53
23 05 29 00-1044	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	63.71	21.90
23 05 29 00-1045	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	71.20	24.69
23 05 29 00-1046	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	81.76	28.98
23 05 29 00-1047	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	90.79	32.21
23 05 29 00-1048	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	102.60	36.50

**23 05 29 00-1049 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate**

(23 05 29 00-0999)

23 05 29 00-1050	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.70	6.98
23 05 29 00-1051	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.93	6.98
23 05 29 00-1052	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.66	7.08
23 05 29 00-1053	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.20	7.19
23 05 29 00-1054	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.74	7.19
23 05 29 00-1055	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.68	7.52
23 05 29 00-1056	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.90	7.73
23 05 29 00-1057	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.05	8.05
23 05 29 00-1058	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.56	8.48
23 05 29 00-1059	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.70	9.66
23 05 29 00-1060	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	42.38	10.74
23 05 29 00-1061	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	50.35	12.34
23 05 29 00-1062	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	58.03	15.35
23 05 29 00-1063	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	65.25	16.85
23 05 29 00-1064	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	77.82	21.47
23 05 29 00-1065	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	83.35	22.55
23 05 29 00-1066	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	94.71	25.76
23 05 29 00-1067	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	111.90	31.13

**23 05 29 00-1068 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate**

(23 05 29 00-0999)

23 05 29 00-1069	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	45.60	7.19
23 05 29 00-1070	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	54.26	7.52
23 05 29 00-1071	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	56.42	7.52
23 05 29 00-1072	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	57.79	7.73
23 05 29 00-1073	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	59.41	7.95





MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1074	EA 2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	61.22	8.05
23 05 29 00-1075	EA 2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	64.48	8.26
23 05 29 00-1076	EA 3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	67.30	8.80
23 05 29 00-1077	EA 4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	74.21	9.13
23 05 29 00-1078	EA 6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	84.90	11.16
23 05 29 00-1079	EA 8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	109.92	12.24
23 05 29 00-1080	EA 10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	130.77	12.89
23 05 29 00-1081	EA 12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	150.05	16.64
23 05 29 00-1082	EA 14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	168.97	17.71
23 05 29 00-1083	EA 16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	202.25	23.61
23 05 29 00-1084	EA 18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	217.72	25.76
23 05 29 00-1085	EA 20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	246.58	27.91
23 05 29 00-1086	EA 24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	289.68	34.35
<b>23 05 29 00-1087</b>	<b>3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate</b> <small>(23 05 29 00-0999)</small>		
23 05 29 00-1088	EA 1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.70	6.98
23 05 29 00-1089	EA 3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.01	8.48
23 05 29 00-1090	EA 1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.03	8.48
23 05 29 00-1091	EA 1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.62	8.58
23 05 29 00-1092	EA 1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.36	8.69
23 05 29 00-1093	EA 2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.36	9.02
23 05 29 00-1094	EA 2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.86	9.34
23 05 29 00-1095	EA 3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.16	9.66
23 05 29 00-1096	EA 4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.31	10.20
23 05 29 00-1097	EA 6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.23	11.60
23 05 29 00-1098	EA 8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	50.82	12.89
23 05 29 00-1099	EA 10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	60.42	14.81
23 05 29 00-1100	EA 12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	69.62	18.47
23 05 29 00-1101	EA 14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	78.31	20.18
23 05 29 00-1102	EA 16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	93.40	25.76
23 05 29 00-1103	EA 18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	100.02	27.05
23 05 29 00-1104	EA 20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	113.71	30.92
23 05 29 00-1105	EA 24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	134.28	37.36
<b>23 05 29 00-1106</b>	<b>4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate</b> <small>(23 05 29 00-0999)</small>		
23 05 29 00-1107	EA 1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.90	9.45
23 05 29 00-1108	EA 3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.23	9.45
23 05 29 00-1109	EA 1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.22	9.55
23 05 29 00-1110	EA 1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.01	9.66
23 05 29 00-1111	EA 1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.59	9.66
23 05 29 00-1112	EA 2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.30	10.31
23 05 29 00-1113	EA 2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.57	10.42
23 05 29 00-1114	EA 3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.17	10.84
23 05 29 00-1115	EA 4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.57	11.48
23 05 29 00-1116	EA 6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.11	12.99
23 05 29 00-1117	EA 8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	56.37	14.06
23 05 29 00-1118	EA 10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	67.99	16.74
23 05 29 00-1119	EA 12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	78.35	20.82
23 05 29 00-1120	EA 14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	88.12	22.65
23 05 29 00-1121	EA 16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	105.12	28.98
23 05 29 00-1122	EA 18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	112.48	30.38
23 05 29 00-1123	EA 20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	126.56	34.78
23 05 29 00-1124	EA 24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	151.10	42.08
23 05 29 00-1125	EA 26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	172.78	49.49
23 05 29 00-1126	EA 28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	197.20	58.40
23 05 29 00-1127	EA 30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	223.95	69.03
23 05 29 00-1128	EA 42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	322.62	106.60
23 05 29 00-1129	EA 44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	348.18	117.34
23 05 29 00-1130	EA 46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	371.46	126.67
<b>23 05 29 00-1131</b>	<b>Equipment Housekeeping Pads</b> <small>(23 05 29)</small> See CSI section 03 31 13 00-0091 for Concrete Equipment Pads.		
<b>23 05 29 00-1132</b>	<b>Molded Plastic Condenser Pad</b> <small>(23 05 29 00-1131)</small>		
23 05 29 00-1133	EA 30" Round Molded Plastic Pad.....	129.29	13.25
23 05 29 00-1134	EA 30" Octagon Molded Plastic Pad.....	136.05	13.25
23 05 29 00-1135	EA 30" x 30" Molded Plastic Pad.....	129.29	13.25
23 05 29 00-1136	EA 36" x 36" Molded Plastic Pad.....	169.80	13.25
23 05 29 00-1137	EA 36" x 48" Molded Plastic Pad.....	245.59	13.25
<b>23 05 29 00-1138</b>	<b>Inertia Base</b> <small>(23 05 29 00-1131)</small> Note: Includes spring isolators.		
23 05 29 00-1139	EA Up To 12 SF Inertia Base, 8" Thick With Spring Base.....	1,646.71	
23 05 29 00-1140	EA >12 To 16 SF Inertia Base, 8" Thick With Spring Base.....	1,988.82	
23 05 29 00-1141	EA >16 To 20 SF Inertia Base, 8" Thick With Spring Base.....	2,277.98	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 05 29 00-1142	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base.....	2,602.45	
<b>23 05 29 00-1143</b>		<b>Hanger Assemblies</b> <small>(23 05 29)</small>		
		Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		
23 05 29 00-1144	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly.....	46.69	16.49
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	10.61	
23 05 29 00-1145	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly.....	48.65	17.47
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	11.20	
23 05 29 00-1146	EA	1" Standard Duty Clevis Pipe Hanger Assembly.....	50.31	18.52
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	11.67	
23 05 29 00-1147	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly.....	51.24	18.55
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	11.84	
23 05 29 00-1148	EA	1-1/2" Standard Duty Clevis Pipe Hanger Assembly.....	51.54	18.55
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	11.84	
23 05 29 00-1149	EA	2" Standard Duty Clevis Pipe Hanger Assembly.....	52.71	18.71
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	12.02	
23 05 29 00-1150	EA	2-1/2" Standard Duty Clevis Pipe Hanger Assembly.....	60.58	19.46
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	11.89	
23 05 29 00-1151	EA	3" Standard Duty Clevis Pipe Hanger Assembly.....	62.72	20.02
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	12.08	
23 05 29 00-1152	EA	4" Standard Duty Clevis Pipe Hanger Assembly.....	75.73	22.60
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	13.34	
23 05 29 00-1153	EA	6" Standard Duty Clevis Pipe Hanger Assembly.....	112.87	29.20
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	17.52	
23 05 29 00-1154	EA	8" Standard Duty Clevis Pipe Hanger Assembly.....	132.23	33.88
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	20.32	
23 05 29 00-1155	EA	10" Standard Duty Clevis Pipe Hanger Assembly.....	185.11	43.03
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	25.49	
23 05 29 00-1156	EA	12" Standard Duty Clevis Pipe Hanger Assembly.....	204.61	46.30
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	27.83	
<b>23 05 29 00-1157</b>		<b>Steel Shapes For Hanger Devices</b> <small>(23 05 29)</small>		
<b>23 05 29 00-1158</b>		<b>Angle Iron For Hanger Devices</b> <small>(23 05 29 00-1157)</small>		
23 05 29 00-1159	LF	1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices .....	2.66	1.54
23 05 29 00-1160	LF	3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices .....	3.52	1.93
23 05 29 00-1161	LF	1" x 1" x 1/8" Angle Iron For Hanger Devices .....	4.36	2.31
23 05 29 00-1162	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices .....	6.21	2.87
23 05 29 00-1163	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices .....	7.00	3.08
23 05 29 00-1164	LF	2" x 2" x 1/4" Angle Iron For Hanger Devices .....	9.74	3.46
23 05 29 00-1165	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices .....	12.19	4.21
23 05 29 00-1166	LF	3" x 2" x 3/8" Angle Iron For Hanger Devices .....	16.07	4.94
23 05 29 00-1167	LF	3" x 3" x 3/8" Angle Iron For Hanger Devices .....	19.26	5.77
<b>23 05 29 00-1168</b>		<b>Channels For Hanger Devices</b> <small>(23 05 29 00-1157)</small>		
23 05 29 00-1169	LF	C2 x 1.78, 2" Wide Channels For Hanger Devices .....	7.94	3.84
23 05 29 00-1170	LF	C3 x 4.1, 3" Wide Channels For Hanger Devices .....	13.97	5.52
23 05 29 00-1171	LF	C4 x 5.4, 4" Wide Channels For Hanger Devices .....	17.53	6.63
23 05 29 00-1172	LF	C5 x 6.7 - 5" Wide Channels For Hanger Devices .....	21.09	7.72
23 05 29 00-1173	LF	C6 x 8.2 - 6" Wide Channels For Hanger Devices .....	25.58	9.28
23 05 29 00-1174	LF	C7 x 9.8 - 7" Wide Channels For Hanger Devices .....	30.50	11.04
23 05 29 00-1175	LF	C8 x 11.5 - 8" Wide Channels For Hanger Devices .....	34.71	12.16
<b>23 05 29 00-1176</b>		<b>Structural Bar Tees For Hanger Devices</b> <small>(23 05 29 00-1157)</small>		
23 05 29 00-1177	LF	3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices.....	8.40	5.40
23 05 29 00-1178	LF	1" x 1" x 1/8" Structural Bar Tee For Hanger Devices.....	10.10	6.38
23 05 29 00-1179	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices .....	15.07	7.37
23 05 29 00-1180	LF	2" x 2" x 1/4" Structural Bar Tee For Hanger Devices.....	19.43	9.82
23 05 29 00-1181	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices .....	27.14	11.78
23 05 29 00-1182	LF	3" x 3" x 3/8" Structural Bar Tee For Hanger Devices.....	33.97	15.22
<b>23 05 29 00-1183</b>		<b>Structural Zees For Hanger Devices</b> <small>(23 05 29 00-1157)</small>		
23 05 29 00-1184	LF	1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices.....	15.09	7.37
23 05 29 00-1185	LF	2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices .....	18.70	7.37
23 05 29 00-1186	LF	3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices .....	27.75	7.37



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 05 29 00-1187	LF		3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices.....	35.52	7.37
	23 05 29 00-1188	LF		3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices.....	43.85	7.37
	<b>23 05 29 00-1189</b>			<b>Junior I-beams For Hanger Devices</b> <small>(23 05 29 00-1187)</small>		
	23 05 29 00-1190	LF		3" I-beam (Junior) For Hanger Devices .....	18.29	10.80
	23 05 29 00-1191	LF		4" I-beam (Junior) For Hanger Devices .....	21.22	11.78
	23 05 29 00-1192	LF		5" I-beam (Junior) For Hanger Devices .....	24.78	12.77
	23 05 29 00-1193	LF		6" I-beam (Junior) For Hanger Devices .....	27.13	14.24
	23 05 29 00-1194	LF		7" I-beam (Junior) For Hanger Devices .....	32.83	15.22
	23 05 29 00-1195	LF		8" I-beam (Junior) For Hanger Devices .....	35.61	16.20
	<b>23 05 33</b>			<b>Heat Tracing for HVAC Piping</b> <small>(23 05)</small>		
				See CSI section 23 83 13 00-0000 for heat tracing cables.		
	<b>23 05 48</b>			<b>Vibration and Seismic Controls for HVAC</b> <small>(23 05)</small>		
	<b>23 05 48 13</b>			<b>Vibration Controls for HVAC</b> <small>(23 05 48)</small>		
	<b>23 05 48 13-0001</b>			<b>Unhoused Stable Steel Spring Isolators</b> <small>(23 05 48 13)</small>		
				Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.		
	23 05 48 13-0002	EA		60 LB Unhoused Steel Spring Isolator .....	99.92	29.68
	23 05 48 13-0003	EA		115 LB Unhoused Steel Spring Isolator .....	106.48	29.68
	23 05 48 13-0004	EA		1,130 LB Unhoused Steel Spring Isolator .....	128.26	29.68
	<b>23 05 48 13-0005</b>			<b>Housed Stable Steel Spring Isolators</b> <small>(23 05 48 13)</small>		
				Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only. Mason Industries, Inc.		
	23 05 48 13-0006	EA		To 770 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection.....	607.55	29.68
	23 05 48 13-0007	EA		To 1,040 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection.....	691.96	29.68
	23 05 48 13-0008	EA		To 1,600 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection.....	734.16	29.68
	23 05 48 13-0009	EA		To 2,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection.....	902.98	29.68
	23 05 48 13-0010	EA		To 3,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection.....	945.18	29.68
	23 05 48 13-0011	EA		To 730 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection.....	681.41	29.68
	23 05 48 13-0012	EA		To 930 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection.....	755.27	29.68
	23 05 48 13-0013	EA		To 1,440 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection.....	808.02	29.68
	23 05 48 13-0014	EA		To 1,860 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection.....	1,050.69	29.68
	23 05 48 13-0015	EA		To 2,880 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection.....	1,145.65	29.68
	23 05 48 13-0016	EA		To 3,720 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection.....	1,367.22	29.68
	<b>23 05 48 13-0017</b>			<b>Vibration Isolators</b> <small>(23 05 48 13)</small>		
	<b>23 05 48 13-0018</b>			<b>Spring And Rubber Hanger For 1" Deflection</b> <small>(23 05 48 13-0017)</small>		
	23 05 48 13-0019	EA		50 To 500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size .....	134.57	19.09
	23 05 48 13-0020	EA		600 To 1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size .....	285.47	21.22
	<b>23 05 48 13-0021</b>			<b>Rubber-In-Shear Isolator Hanger</b> <small>(23 05 48 13-0017)</small>		
	23 05 48 13-0022	EA		45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size .....	74.12	15.91
	23 05 48 13-0023	EA		130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size .....	96.27	19.09
	<b>23 05 48 13-0024</b>			<b>Spring Hanger For 1" Deflection</b> <small>(23 05 48 13-0017)</small>		
	23 05 48 13-0025	EA		50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size .....	83.94	19.09
	<b>23 05 48 13-0026</b>			<b>Rubber-In-Shear Vibration Isolator</b> <small>(23 05 48 13-0017)</small>		
	23 05 48 13-0027	EA		45 To 340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection .....	154.40	36.07
	23 05 48 13-0028	EA		130 To 700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection .....	212.51	36.07
	23 05 48 13-0029	EA		550 To 1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection .....	411.97	36.07
	<b>23 05 48 13-0030</b>			<b>Two-Piece Spring Type Vibration Isolator</b> <small>(23 05 48 13-0017)</small>		
				Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
	23 05 48 13-0031	EA		50 To 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator.....	129.90	36.07
	23 05 48 13-0032	EA		>1,000 To 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator.....	134.23	36.07
	<b>23 05 48 13-0033</b>			<b>Open Double Spring Type Vibration Isolator</b> <small>(23 05 48 13-0017)</small>		
				Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
	23 05 48 13-0034	EA		150 To 450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator .....	102.39	18.03
	23 05 48 13-0035	EA		500 To 1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator .....	102.39	18.03
	23 05 48 13-0036	EA		1,100 To 1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	116.83	18.03
	23 05 48 13-0037	EA		1,700 To 2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	116.83	18.03
	23 05 48 13-0038	EA		2,500 To 3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	182.13	18.03
	<b>23 05 48 13-0039</b>			<b>Isolation Pads</b> <small>(23 05 48 13-0017)</small>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 48 13-0040 Laminated Neoprene And Cork Isolation Pad</b> (23 05 48 13-0039)		
23 05 48 13-0041 EA 2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	6.42	2.65
23 05 48 13-0042 EA 3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	8.22	2.76
23 05 48 13-0043 EA 4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	10.30	2.86
23 05 48 13-0044 EA 12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	40.64	3.29
23 05 48 13-0045 EA 18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	77.75	3.71
<b>23 05 48 13-0046 Neoprene And Steel Plate Isolation Pad</b> (23 05 48 13-0039)		
23 05 48 13-0047 EA 6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad.....	80.43	2.65
23 05 48 13-0048 EA 6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad.....	88.73	2.65
<b>23 05 48 13-0049 Neoprene Isolation Pad</b> (23 05 48 13-0039)		
23 05 48 13-0050 EA 2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad.....	5.99	2.65
23 05 48 13-0051 EA 3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad.....	6.83	2.65
23 05 48 13-0052 EA 4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad.....	8.17	2.65
23 05 48 13-0053 EA 12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad.....	39.98	3.19
23 05 48 13-0054 EA 18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad.....	73.07	3.71
<b>23 05 48 13-0055 Threaded Flexible Bronze Hose Connectors</b> (23 05 48 13)		
Note: Includes hex threaded nipple ends.		
23 05 48 13-0056 EA 3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	71.52	16.97
23 05 48 13-0057 EA 1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	83.41	23.33
23 05 48 13-0058 EA 3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	102.44	28.64
23 05 48 13-0059 EA 1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	119.13	33.94
23 05 48 13-0060 EA 1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	136.49	44.55
23 05 48 13-0061 EA 1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	153.66	47.41
23 05 48 13-0062 EA 2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	206.08	56.21
23 05 48 13-0063 EA 2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	285.25	87.61
<b>23 05 48 13-0064 Weld End Flexible Hose Connectors</b> (23 05 48 13)		
23 05 48 13-0065 EA 1/2" Diameter x 10" Flexible Hose Connection, Weld Ends.....	269.91	60.88
23 05 48 13-0066 EA 3/4" Diameter x 10" Flexible Hose Connection, Weld Ends.....	316.87	66.83
23 05 48 13-0067 EA 1" Diameter x 10" Flexible Hose Connection, Weld Ends.....	359.27	70.75
23 05 48 13-0068 EA 1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends.....	401.11	80.62
23 05 48 13-0069 EA 1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends.....	456.75	86.98
23 05 48 13-0070 EA 2" Diameter x 14" Flexible Hose Connection, Weld Ends.....	571.85	113.17
23 05 48 13-0071 EA 2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends.....	875.95	127.29
23 05 48 13-0072 EA 3" Diameter x 16" Flexible Hose Connection, Weld Ends.....	1,087.85	143.19
23 05 48 13-0073 EA 4" Diameter x 18" Flexible Hose Connection, Weld Ends.....	1,498.81	212.14
<b>23 05 48 13-0074 Flanged Flexible Hose Connectors</b> (23 05 48 13)		
<b>23 05 48 13-0075 Flanged Flexible Molded Rubber Hose Connectors</b> (23 05 48 13-0074)		
Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0076 EA 1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	216.80	79.55
23 05 48 13-0077 EA 2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	234.40	88.36
23 05 48 13-0078 EA 2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	378.49	176.50
23 05 48 13-0079 EA 3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	522.46	262.53
23 05 48 13-0080 EA 4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	681.24	338.89
23 05 48 13-0081 EA 6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	872.79	352.44
23 05 48 13-0082 EA 8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	1,063.20	402.53
23 05 48 13-0083 EA 10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	1,380.61	479.04
23 05 48 13-0084 EA 12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	3,300.11	599.14
<b>23 05 48 13-0085 Flanged Flexible Corrugated Stainless Steel Hose Connectors</b> (23 05 48 13-0074)		
Note: With braided metal wire.		
23 05 48 13-0086 EA 1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	167.91	72.34
23 05 48 13-0087 EA 1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	160.56	99.50
23 05 48 13-0088 EA 1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	313.54	132.59
23 05 48 13-0089 EA 2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	404.62	198.88
23 05 48 13-0090 EA 2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	434.72	218.82
23 05 48 13-0091 EA 3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	504.26	264.97
23 05 48 13-0092 EA 4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	645.62	339.21
23 05 48 13-0093 EA 6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	893.35	422.08
23 05 48 13-0094 EA 8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,472.40	563.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0095 EA 10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	1,733.99	652.06
23 05 48 13-0096 EA 12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	2,242.80	704.88
<b>23 05 48 13-0097 Flanged Flexible Molded Teflon Hose Connectors (23 05 48 13-0074)</b>		
Note: 150 PSI.		
23 05 48 13-0098 EA 2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	962.38	153.80
23 05 48 13-0099 EA 3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	1,078.79	180.32
23 05 48 13-0100 EA 4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	1,632.55	303.06
23 05 48 13-0101 EA 6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	1,983.04	352.44
23 05 48 13-0102 EA 8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	2,612.19	432.33
<b>23 05 48 13-0103 Flexible Hose Connectors Braided Metal Hose Type (23 05 48 13)</b>		
<b>23 05 48 13-0104 Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0103)</b>		
Note: MPT connection.		
23 05 48 13-0105 EA 1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	38.27	2.12
23 05 48 13-0106 EA 1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	45.81	2.12
23 05 48 13-0107 EA 1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	50.90	2.76
23 05 48 13-0108 EA 1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	62.00	2.76
23 05 48 13-0109 EA 3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	51.28	2.55
23 05 48 13-0110 EA 3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	62.04	2.55
23 05 48 13-0111 EA 3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	70.91	3.28
23 05 48 13-0112 EA 3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	87.66	3.28
23 05 48 13-0113 EA 1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	70.04	2.97
23 05 48 13-0114 EA 1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	76.64	2.97
23 05 48 13-0115 EA 1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	90.99	3.92
23 05 48 13-0116 EA 1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	115.49	3.92
23 05 48 13-0117 EA 1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	139.81	3.92
23 05 48 13-0118 EA 1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	164.20	3.92
23 05 48 13-0119 EA 1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	99.83	3.81
23 05 48 13-0120 EA 1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	110.11	3.81
23 05 48 13-0121 EA 1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	141.45	3.81
23 05 48 13-0122 EA 1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	196.72	5.08
23 05 48 13-0123 EA 1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	228.30	5.08
23 05 48 13-0124 EA 1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	270.32	5.08
23 05 48 13-0125 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	136.77	4.59
23 05 48 13-0126 EA 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	158.26	4.59
23 05 48 13-0127 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	199.89	4.59
23 05 48 13-0128 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	266.59	6.15
23 05 48 13-0129 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	330.03	6.15
23 05 48 13-0130 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	393.41	6.15
23 05 48 13-0131 EA 2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	190.07	5.76
23 05 48 13-0132 EA 2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	216.54	5.46
23 05 48 13-0133 EA 2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	243.28	5.46
23 05 48 13-0134 EA 2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	299.91	7.32
23 05 48 13-0135 EA 2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	353.67	7.32
23 05 48 13-0136 EA 2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	405.76	7.32
23 05 48 13-0137 EA 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	299.93	7.32
23 05 48 13-0138 EA 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	335.65	7.32
23 05 48 13-0139 EA 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	627.58	7.32
23 05 48 13-0140 EA 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	756.16	9.77
23 05 48 13-0141 EA 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	520.05	9.77
23 05 48 13-0142 EA 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	590.32	9.77
23 05 48 13-0143 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	549.17	8.33
23 05 48 13-0144 EA 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	590.90	8.33
23 05 48 13-0145 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	632.63	8.33
23 05 48 13-0146 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	722.91	11.10
23 05 48 13-0147 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	806.05	11.10
23 05 48 13-0148 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	890.98	11.10
<b>23 05 48 13-0149 Braided Stainless Steel Flexible Hose Connectors (23 05 48 13-0103)</b>		
Note: Over braided carbon steel connection.		
23 05 48 13-0150 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	163.10	4.65
23 05 48 13-0151 EA 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	197.24	4.65
23 05 48 13-0152 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	230.74	4.65
23 05 48 13-0153 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	302.00	6.24
23 05 48 13-0154 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	369.91	6.24
23 05 48 13-0155 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	437.73	6.24
23 05 48 13-0156 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	184.85	5.46
23 05 48 13-0157 EA 2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	220.54	5.46

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0158 EA 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	256.38	5.46
23 05 48 13-0159 EA 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	332.10	7.32
23 05 48 13-0160 EA 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	403.50	7.32
23 05 48 13-0161 EA 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	473.91	7.32
23 05 48 13-0162 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	195.89	7.32
23 05 48 13-0163 EA 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	236.77	7.52
23 05 48 13-0164 LF 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	278.23	7.32
23 05 48 13-0165 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	368.47	9.77
23 05 48 13-0166 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	450.94	9.77
23 05 48 13-0167 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	535.76	9.77
23 05 48 13-0168 EA 6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	395.09	14.27
23 05 48 13-0169 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	584.14	14.36
23 05 48 13-0170 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	783.44	18.92
23 05 48 13-0171 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	972.57	18.92
23 05 48 13-0172 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,161.64	18.92
23 05 48 13-0173 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	685.85	17.09
23 05 48 13-0174 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	828.88	17.09
23 05 48 13-0175 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,123.94	22.23
23 05 48 13-0176 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,407.69	22.23
23 05 48 13-0177 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,691.35	22.23
23 05 48 13-0178 EA 10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	734.10	21.37
23 05 48 13-0179 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,091.69	21.37
23 05 48 13-0180 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,462.37	27.82
23 05 48 13-0181 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,821.21	27.82
23 05 48 13-0182 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	2,178.54	27.82
23 05 48 13-0183 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,459.69	25.83
23 05 48 13-0184 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,905.95	25.83
23 05 48 13-0185 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	2,383.97	34.76
23 05 48 13-0186 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	2,834.16	34.76
23 05 48 13-0187 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	3,286.44	34.76
<b>23 05 48 13-0188 Braided Metal Hose Type Flexible Bronze Hose Connectors</b> <small>(23 05 48 13-0103)</small>		
Note: Flanged end connection (carbon steel ends).		
23 05 48 13-0189 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	280.02	4.59
23 05 48 13-0190 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	549.08	130.15
23 05 48 13-0191 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	665.87	130.15
23 05 48 13-0192 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	782.66	130.15
23 05 48 13-0193 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	899.49	130.15
23 05 48 13-0194 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	513.52	165.99
23 05 48 13-0195 EA 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	636.59	165.99
23 05 48 13-0196 EA 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	759.70	165.99
23 05 48 13-0197 EA 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	882.87	165.99
23 05 48 13-0198 EA 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,003.87	165.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0199 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	725.40	278.27
23 05 48 13-0200 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	869.05	278.97
23 05 48 13-0201 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,015.03	278.27
23 05 48 13-0202 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,178.26	278.27
23 05 48 13-0203 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,302.97	278.27
23 05 48 13-0204 EA 6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,109.28	356.66
23 05 48 13-0205 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,434.76	356.66
23 05 48 13-0206 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,760.42	357.94
23 05 48 13-0207 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,085.95	356.66
23 05 48 13-0208 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,411.43	356.66
23 05 48 13-0209 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,799.76	436.85
23 05 48 13-0210 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,045.99	436.85
23 05 48 13-0211 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,534.19	436.85
23 05 48 13-0212 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,022.57	436.85
23 05 48 13-0213 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,510.72	436.85
23 05 48 13-0214 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,905.22	531.81
23 05 48 13-0215 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,518.69	531.81
23 05 48 13-0216 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	4,136.28	531.81
23 05 48 13-0217 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	4,752.54	531.81
23 05 48 13-0218 EA 10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	5,250.59	531.81
23 05 48 13-0219 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,926.69	645.78
23 05 48 13-0220 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	4,705.17	645.78
23 05 48 13-0221 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	5,483.59	645.78
23 05 48 13-0222 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	6,262.02	645.78
23 05 48 13-0223 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	7,040.50	645.78

**23 05 53 Identification for HVAC Piping and Equipment (23 05)**

**23 05 53 00-0001 Systems Identification (23 05 53)**

**23 05 53 00-0002 Pipe Marker Snap-On Type Plastic (23 05 53 00-0001)**

Note: Outside diameters of insulation where necessary.

23 05 53 00-0003 EA 1/2" Outside Diameter Snap-On Plastic Marker.....	18.10
23 05 53 00-0004 EA 3/4" Outside Diameter Snap-On Plastic Marker.....	18.37
23 05 53 00-0005 EA 1" Outside Diameter Snap-On Plastic Marker.....	18.51
23 05 53 00-0006 EA 1-1/4" Outside Diameter Snap-On Plastic Marker.....	18.79
23 05 53 00-0007 EA 1-1/2" Outside Diameter Snap-On Plastic Marker.....	21.80
23 05 53 00-0008 EA 2" Outside Diameter Snap-On Plastic Marker.....	22.28
23 05 53 00-0009 EA 2-1/2" Outside Diameter Snap-On Plastic Marker.....	35.27
23 05 53 00-0010 EA 3" Outside Diameter Snap-On Plastic Marker.....	35.66
23 05 53 00-0011 EA 3-1/2" Outside Diameter Snap-On Plastic Marker.....	36.06
23 05 53 00-0012 EA 4" Outside Diameter Snap-On Plastic Marker.....	36.28
23 05 53 00-0013 EA 4-1/2" Outside Diameter Snap-On Plastic Marker.....	36.50
23 05 53 00-0014 EA 5" Outside Diameter Snap-On Plastic Marker.....	36.73
23 05 53 00-0015 EA 6" Outside Diameter Snap-On Plastic Marker.....	38.49
23 05 53 00-0016 EA 7" Outside Diameter Snap-On Plastic Marker.....	38.74
23 05 53 00-0017 EA 8" Outside Diameter Snap-On Plastic Marker.....	47.66
23 05 53 00-0018 EA 10" Outside Diameter Snap-On Plastic Marker.....	49.30
23 05 53 00-0019 EA 12" Outside Diameter Snap-On Plastic Marker.....	56.80
23 05 53 00-0020 EA 14" Outside Diameter Snap-On Plastic Marker.....	65.14

**23 05 53 00-0021 Pipe Markers Pressure-Sensitive (23 05 53 00-0001)**

Note: Outside diameter includes insulation where necessary.

23 05 53 00-0022 EA 1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	12.14
23 05 53 00-0023 EA 3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	12.67
23 05 53 00-0024 EA 1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	13.74

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 53 Identification for HVAC Piping and Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 05 53 00-0025	EA	1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	13.94	
23 05 53 00-0026	EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	14.88	
23 05 53 00-0027	EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	15.20	
23 05 53 00-0028	EA	2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	17.12	
23 05 53 00-0029	EA	3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	17.54	
23 05 53 00-0030	EA	3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	17.86	
23 05 53 00-0031	EA	4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	18.19	
23 05 53 00-0032	EA	4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	18.85	
23 05 53 00-0033	EA	5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	19.56	
23 05 53 00-0034	EA	6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	20.19	
23 05 53 00-0035	EA	7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	20.80	
23 05 53 00-0036	EA	8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	22.94	
23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	24.11	
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation .....	28.14	

**23 05 53 00-0039 Valve Identification Tag** (23 05 53 00-0001)

Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass.....	11.11	
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic.....	10.41	
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass.....	10.19	

**23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment** (23 05)**23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures** (23 05 66)

23 05 66 00-0002	EA	18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO).....	935.38	69.58
Note: Includes tube.				
23 05 66 00-0003	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO).....	976.37	73.02
Note: Includes tube.				
23 05 66 00-0004	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO).....	978.39	76.15
Note: Includes tube.				
23 05 66 00-0005	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO).....	1,024.11	80.01
Note: Includes tube.				
23 05 66 00-0006	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO).....	1,108.91	83.44
Note: Includes tube.				
23 05 66 00-0007	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO).....	1,032.61	86.06
Note: Includes tube.				

**23 05 66 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures** (23 05 66)

23 05 66 00-0009	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO) .....	792.26	48.19
Note: Includes tube.				
23 05 66 00-0010	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO) .....	802.72	52.15
Note: Includes tube.				
23 05 66 00-0011	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO) .....	823.68	55.28
Note: Includes tube.				
23 05 66 00-0012	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO) .....	833.41	59.45
Note: Includes tube.				
23 05 66 00-0013	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) .....	855.12	62.59
Note: Includes tube.				
23 05 66 00-0014	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) .....	870.83	65.72
Note: Includes tube.				
23 05 66 00-0015	EA	42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) .....	891.80	69.89
Note: Includes tube.				
23 05 66 00-0016	EA	12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) .....	903.34	48.19
Note: Includes tube.				
23 05 66 00-0017	EA	16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) .....	913.80	52.15
Note: Includes tube.				
23 05 66 00-0018	EA	20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) .....	934.76	55.28
Note: Includes tube.				
23 05 66 00-0019	EA	24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) .....	944.49	59.45
Note: Includes tube.				
23 05 66 00-0020	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) .....	966.20	62.59
Note: Includes tube.				
23 05 66 00-0021	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) .....	981.91	65.72
Note: Includes tube.				
23 05 66 00-0022	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) .....	1,002.88	69.89
Note: Includes tube.				
23 05 66 00-0023	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) .....	628.84	52.15
Note: Includes tube.				
23 05 66 00-0024	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) .....	649.80	55.28
Note: Includes tube.				
23 05 66 00-0025	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) .....	659.53	59.45
Note: Includes tube.				
23 05 66 00-0026	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) .....	681.24	62.59
Note: Includes tube.				
23 05 66 00-0027	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) .....	696.95	65.72
Note: Includes tube.				
23 05 66 00-0028	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) .....	717.92	69.89
Note: Includes tube.				





	MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 66 00-0029 Fan Coil Unit Ultraviolet Microbial Control Fixtures <sup>(23 05 66)</sup></b>				
23 05 66 00-0030	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	570.78	66.76
23 05 66 00-0031	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	582.89	69.89
23 05 66 00-0032	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	595.01	73.02
23 05 66 00-0033	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	611.59	76.15
23 05 66 00-0034	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	633.29	80.01
23 05 66 00-0035	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	652.30	83.44
<b>23 05 66 00-0036 Ultraviolet HVAC Microbial Control Replacement Parts <sup>(23 05 66)</sup></b>				
23 05 66 00-0037	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO).....	150.90	
23 05 66 00-0038	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO).....	158.71	
23 05 66 00-0039	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO).....	180.83	
23 05 66 00-0040	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO).....	209.35	
23 05 66 00-0041	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO).....	238.50	
23 05 66 00-0042	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO).....	239.23	
23 05 66 00-0043	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO).....	117.45	
23 05 66 00-0044	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO).....	123.74	
23 05 66 00-0045	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO).....	140.53	
23 05 66 00-0046	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO).....	146.08	
23 05 66 00-0047	EA	30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO).....	163.62	
23 05 66 00-0048	EA	36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO).....	175.16	
23 05 66 00-0049	EA	42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO).....	191.96	
23 05 66 00-0050	EA	Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire).....	445.65	
<b>23 05 66 00-0051 Ultraviolet HVAC Microbial Control Mounting Accessories <sup>(23 05 66)</sup></b>				
23 05 66 00-0052	EA	Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610)..... Note: Includes 61" emitter, power supply, wires and connectors.	632.60	
23 05 66 00-0053	EA	Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620)..... Note: Includes 61" emitter, power supply, wires and connectors.	815.16	
23 05 66 00-0054	EA	Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1)..... Note: Includes power supply, wires and connectors. Excludes emitter.	362.31	
23 05 66 00-0055	EA	Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2)..... Note: Includes power supply, wires and connectors. Excludes emitter.	384.66	
23 05 66 00-0056	EA	Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3)..... Note: Includes power supply, wires and connectors. Excludes emitter.	507.79	
23 05 66 00-0057	EA	Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4)..... Note: Includes power supply, wires and connectors. Excludes emitter.	311.54	
23 05 66 00-0058	EA	Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5)..... Note: Includes power supply, wires and connectors. Excludes emitter.	339.03	
23 05 66 00-0059	EA	16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6)..... Note: Includes power supply, wires and connectors. Excludes emitter.	438.33	
23 05 66 00-0060	EA	12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7)..... Note: Includes power supply, wires and connectors. Excludes emitter.	431.99	
23 05 66 00-0061	LF	30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101).....	16.19	
23 05 66 00-0062	EA	Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111).....	54.09	
23 05 66 00-0063	EA	Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112).....	18.08	
23 05 66 00-0064	EA	Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113).....	16.98	
23 05 66 00-0065	EA	Foundation Bracket FB 8VA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104).....	49.56	
23 05 66 00-0066	EA	Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114).....	61.28	
23 05 66 00-0067	EA	Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108).....	54.23	
23 05 66 00-0068	EA	Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115).....	43.66	
23 05 66 00-0069	EA	ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109).....	41.14	
23 05 66 00-0070	EA	DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223).....	21.41	
23 05 66 00-0071	EA	DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603).....	46.48	
23 05 66 00-0072	EA	Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100).....	21.51	
23 05 66 00-0073	EA	480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503).....	88.63	
23 05 66 00-0074	EA	Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120).....	93.36	
<b>23 05 93 Testing, Adjusting, and Balancing for HVAC <sup>(23 05)</sup></b>				
Note: Includes all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.				
<b>23 05 93 00-0001 Heating And Ventilating Equipment <sup>(23 05 93)</sup></b>				
23 05 93 00-0002	EA	Balancing Centrifugal Fans..... <i>For Testing Of Unit Without Balancing, Deduct</i>	574.06 -287.03	
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units ..... <i>For Testing Of Unit Without Balancing, Deduct</i>	717.28 -358.64	
23 05 93 00-0004	EA	Balancing In Line Fan ..... <i>For Testing Of Unit Without Balancing, Deduct</i>	645.81 -322.91	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 93 Testing, Adjusting, and Balancing for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0005 EA Balancing Propeller And Wall Fan .....	143.51	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-71.76	
23 05 93 00-0006 EA Balancing Roof Exhaust Fan .....	430.51	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-215.26	
23 05 93 00-0007 EA Balancing Wall Fan .....	107.61	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-53.81	
23 05 93 00-0008 EA Balancing Fan Section Exhaust .....	573.14	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-286.57	
<b>23 05 93 00-0009 Air Conditioning Equipment (23 05 93)</b>		
23 05 93 00-0010 EA Balancing Constant Volume Air Handling Unit .....	781.59	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-390.80	
23 05 93 00-0011 EA Balancing Package A/C Unit .....	293.10	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-146.55	
23 05 93 00-0012 EA Balancing Rooftop Heat And Cool Unit .....	390.80	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-195.40	
23 05 93 00-0013 EA Balancing Variable Volume Air Handling Unit .....	1,367.78	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-683.89	
<b>23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers (23 05 93)</b>		
23 05 93 00-0015 EA Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser .....	107.63	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-53.82	
23 05 93 00-0016 EA Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser .....	179.39	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-89.70	
23 05 93 00-0017 EA Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser .....	93.28	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-46.64	
23 05 93 00-0018 EA Balance Variable Air Volume Box .....	101.07	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-50.54	
23 05 93 00-0019 EA Balance Constant Volume Box .....	101.07	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-50.54	
23 05 93 00-0020 EA Balance Fan Powered Box .....	114.81	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-57.41	
23 05 93 00-0021 EA Balance Lab Fume Hood .....	466.44	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-233.22	
23 05 93 00-0022 EA Balance General Hood .....	358.78	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-179.39	
23 05 93 00-0023 EA Balance Induction Unit .....	215.28	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-107.64	
23 05 93 00-0024 EA Balance Moduline - Master .....	86.09	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-43.05	
23 05 93 00-0025 EA Balance Moduline - Slave .....	43.05	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-21.53	
23 05 93 00-0026 EA Balance Dampers .....	39.98	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-19.99	
23 05 93 00-0027 EA Balance Regenerators .....	573.14	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-286.57	
<b>23 05 93 00-0028 Water Balancing Of Components (23 05 93)</b>		
23 05 93 00-0029 EA Water Balance, Air Cool Condenser .....	537.39	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-268.70	
23 05 93 00-0030 EA Water Balance, Cabinet Heater .....	68.39	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-34.20	
23 05 93 00-0031 EA Water Balance, Chiller, Air Cooled .....	586.15	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-293.08	
23 05 93 00-0032 EA Water Balance, Chiller, Water Cooled .....	781.59	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-390.80	
23 05 93 00-0033 EA Water Balance, Cooling Tower .....	390.80	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-195.40	
23 05 93 00-0034 EA Water Balance, Fan Coil And Vent .....	97.76	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-48.88	
23 05 93 00-0035 EA Water Balance, Fin Tube And Radiant Panel .....	97.70	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-48.85	
23 05 93 00-0036 EA Water Balance, Main And Duct Re-Heat Coil .....	107.47	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-53.74	
23 05 93 00-0037 EA Water Balance, Pumps .....	293.11	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-146.56	
23 05 93 00-0038 EA Water Balance, Unit Heater .....	68.39	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-34.20	
23 05 93 00-0039 EA Water Balancing, Converter .....	293.22	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-146.61	
23 05 93 00-0040 EA Water Balancing, Cocks And Valves .....	48.84	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-24.42	
23 05 93 00-0041 EA Water Balance, Convectector .....	58.61	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-29.31	
23 05 93 00-0042 EA Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves .....	73.28	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-36.64	
23 05 93 00-0043 EA Water Balance, Boiler, Up To 500 MBH .....	635.04	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-317.52	
23 05 93 00-0044 EA >500 To 1,000 MBH, Water Balance, Boiler .....	1,172.40	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-586.20	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 05 93 00-0045	EA >1,000 MBH, Water Balance, Boiler ..... <i>For Testing Of Unit Without Balancing, Deduct</i>	2,149.38	-1,074.69
<b>23 05 93 00-0046</b>	<b>Non Destructive Testing (23 05 93)</b>			
	23 05 93 00-0047	X-Ray Welds, Non-Destructive Testing (23 05 93 00-0046)		
<b>23 05 93 00-0048</b>	<b>Minimum Charge For X-Ray Welds (23 05 93 00-0047)</b>			
	23 05 93 00-0049	EA X-Ray Welds Minimum Set-Up Charge ..... Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	878.02	
<b>23 05 93 00-0050</b>	<b>Piping, X-Ray Welds, Non Destructive Testing (23 05 93 00-0047)</b>			
	23 05 93 00-0051	EA Up To 3/4" Piping, X-Ray Welds, Non Destructive Testing.....	82.33	
	23 05 93 00-0052	EA 1" Piping, X-Ray Welds, Non Destructive Testing.....	93.61	
	23 05 93 00-0053	EA 1-1/4" - 1-1/2" Piping, X-Ray Welds, Non Destructive Testing.....	104.89	
	23 05 93 00-0054	EA 2" Piping, X-Ray Welds, Non Destructive Testing.....	110.88	
	23 05 93 00-0055	EA 3" Piping, X-Ray Welds, Non Destructive Testing.....	116.85	
	23 05 93 00-0056	EA 4" Piping, X-Ray Welds, Non Destructive Testing.....	123.50	
	23 05 93 00-0057	EA 6" Piping, X-Ray Welds, Non Destructive Testing.....	135.45	
	23 05 93 00-0058	EA 8" Piping, X-Ray Welds, Non Destructive Testing.....	147.41	
	23 05 93 00-0059	EA 10" Piping, X-Ray Welds, Non Destructive Testing.....	154.06	
	23 05 93 00-0060	EA 12" Piping, X-Ray Welds, Non Destructive Testing.....	160.71	
<b>23 05 93 00-0061</b>	<b>Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0046)</b>			
<b>23 05 93 00-0062</b>	<b>Piping, Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0061)</b>			
	23 05 93 00-0063	EA Up To 3/4" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	108.99	
	23 05 93 00-0064	EA 1" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	114.29	
	23 05 93 00-0065	EA 1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	119.59	
	23 05 93 00-0066	EA 2" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	122.24	
	23 05 93 00-0067	EA 3" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	126.23	
	23 05 93 00-0068	EA 4" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	130.20	
	23 05 93 00-0069	EA 6" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	138.15	
	23 05 93 00-0070	EA 8" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	146.11	
	23 05 93 00-0071	EA 10" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	154.07	
	23 05 93 00-0072	EA 12" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	162.02	
<b>23 05 93 00-0073</b>	<b>Hydrostatic Testing (23 05 93 00-0046)</b>			
	Note: Includes flushing and restoring of system.			
<b>23 05 93 00-0074</b>	<b>Piping, Hydrostatic Testing (23 05 93 00-0073)</b>			
	23 05 93 00-0075	EA Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing.....	697.83	
	23 05 93 00-0076	EA >100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing.....	996.89	
	23 05 93 00-0077	EA >250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,194.47	
	23 05 93 00-0078	EA >500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,591.05	
	23 05 93 00-0079	EA >1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	2,410.67	
	23 05 93 00-0080	EA Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing.....	927.83	
	23 05 93 00-0081	EA >100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,325.86	
	23 05 93 00-0082	EA >250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,578.41	
	23 05 93 00-0083	EA >500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	2,068.34	
	23 05 93 00-0084	EA >1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	3,129.04	
	23 05 93 00-0085	EA Up To 100', >4" To 10" Piping, Hydrostatic Testing.....	1,209.19	
	23 05 93 00-0086	EA >100' To 250', >4" To 10" Piping, Hydrostatic Testing.....	1,723.63	
	23 05 93 00-0087	EA >250' To 500', >4" To 10" Piping, Hydrostatic Testing.....	1,818.58	
	23 05 93 00-0088	EA >500' To 1,000', >4" To 10" Piping, Hydrostatic Testing.....	2,382.49	
	23 05 93 00-0089	EA >1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing.....	3,604.25	
	23 05 93 00-0090	EA Up To 100', >10" To 14" Piping, Hydrostatic Testing.....	1,569.83	
	23 05 93 00-0091	EA >100' To 250', >10" To 14" Piping, Hydrostatic Testing.....	2,238.06	
	23 05 93 00-0092	EA >250' To 500', >10" To 14" Piping, Hydrostatic Testing.....	2,364.62	
	23 05 93 00-0093	EA >500' To 1,000', >10" To 14" Piping, Hydrostatic Testing.....	3,101.45	
	23 05 93 00-0094	EA >1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing.....	4,699.18	
<b>23 05 93 00-0095</b>	<b>Pneumatic Testing (23 05 93 00-0046)</b>			
	Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.			
<b>23 05 93 00-0096</b>	<b>Piping, Pneumatic Testing (23 05 93 00-0095)</b>			
	23 05 93 00-0097	EA Up To 100', Up To 1-1/2" Piping, Pneumatic Testing..... Note: Includes soaping joints.	794.05	
	23 05 93 00-0098	EA >100' To 250', Up To 1-1/2" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,132.83	
	23 05 93 00-0099	EA >250' To 500', Up To 1-1/2" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,224.30	
	23 05 93 00-0100	EA >500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,568.83	
	23 05 93 00-0101	EA >1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing..... Note: Includes soaping joints.	2,454.77	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 93 Testing, Adjusting, and Balancing for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0102 EA Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,036.09	
23 05 93 00-0103 EA >100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,470.97	
23 05 93 00-0104 EA >250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,591.44	
23 05 93 00-0105 EA >500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing..... Note: Includes soaping joints.	2,039.80	
23 05 93 00-0106 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing..... Note: Includes soaping joints.	3,190.53	
23 05 93 00-0107 EA Up To 100', >4" To 10" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,247.95	
23 05 93 00-0108 EA >100' To 250', >4" To 10" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,760.87	
23 05 93 00-0109 EA >250' To 500', >4" To 10" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,992.32	
23 05 93 00-0110 EA >500' To 1,000', >4" To 10" Piping, Pneumatic Testing..... Note: Includes soaping joints.	2,546.70	
23 05 93 00-0111 EA >1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing..... Note: Includes soaping joints.	3,989.14	
23 05 93 00-0112 EA Up To 100', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,625.02	
23 05 93 00-0113 EA >100' To 250', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	2,289.36	
23 05 93 00-0114 EA >250' To 500', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	2,590.95	
23 05 93 00-0115 EA >500' To 1,000', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	3,311.66	
23 05 93 00-0116 EA >1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	5,194.78	
<b>23 05 93 00-0117 EPA Testing Of Sludge (23 05 93)</b>		
23 05 93 00-0118 EA Flashpoint And Lead Test For Lead.....	941.01	
23 05 93 00-0119 EA Air Test/Combustion Gas Level.....	90.10	
23 05 93 00-0120 EA Toxicity Test For Heavy Metals.....	1,445.21	
23 05 93 00-0121 EA Aboveground Tank Water Settlement Test Including Water.....	1,095.56	

**23 07 HVAC Insulation (23)****23 07 13 Duct Insulation (23 07)**

Note: Based on SF surface area of duct to receive insulation.

**23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation (23 07 13)**

Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight.

**23 07 13 00-0002 Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)**

23 07 13 00-0003 SF 1" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.54	2.15
For Plain Blanket, With No Facing, Deduct	-0.27	
For Work In Restricted Working Space, Add	0.86	
23 07 13 00-0004 SF 1-1/2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.13	2.15
For Plain Blanket, With No Facing, Deduct	-0.31	
For Work In Restricted Working Space, Add	1.01	
23 07 13 00-0005 SF 2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.69	3.22
For Plain Blanket, With No Facing, Deduct	-0.34	
For Work In Restricted Working Space, Add	1.15	
23 07 13 00-0006 SF 3" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	5.54	3.76
For Plain Blanket, With No Facing, Deduct	-0.42	
For Work In Restricted Working Space, Add	1.34	
23 07 13 00-0007 SF 4" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	6.51	4.08
For Plain Blanket, With No Facing, Deduct	-0.67	
For Work In Restricted Working Space, Add	1.45	

**23 07 13 00-0008 Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)**

23 07 13 00-0009 SF 1" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.36	3.22
For Plain Blanket, With No Facing, Deduct	-0.31	
For Work In Restricted Working Space, Add	1.07	
23 07 13 00-0010 SF 1-1/2" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	5.09	3.76
For Plain Blanket, With No Facing, Deduct	-0.38	
For Work In Restricted Working Space, Add	1.24	
23 07 13 00-0011 SF 2" Thick, Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation.....	6.01	4.29
For Plain Blanket, With No Facing, Deduct	-0.45	
For Work In Restricted Working Space, Add	1.46	

**23 07 13 00-0012 Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)**

23 07 13 00-0013 SF 1" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	5.64	4.29
For Plain Blanket, With No Facing, Deduct	-0.53	
For Work In Restricted Working Space, Add	1.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0014 SF 1-1/2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation ..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	7.24 -0.93 1.48	4.84
23 07 13 00-0015 SF 2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation ..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	8.45 -1.09 1.72	5.37
<b>23 07 13 00-0016 3 LB/CF FSK Rigid Fiber Glass Board Insulation</b> <small>(23 07 13)</small> Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.		
23 07 13 00-0017 SF 1" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation ..... <i>For Work In Restricted Working Space, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i>	10.08 2.86 17.23 23.26 14.20	7.04
23 07 13 00-0018 SF 1-1/2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation ..... <i>For Work In Restricted Working Space, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i>	12.89 3.48 21.59 28.74 17.72	8.56
23 07 13 00-0019 SF 2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation ..... <i>For Work In Restricted Working Space, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i>	16.03 4.20 26.53 35.02 21.72	10.34
<b>23 07 13 00-0020 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation</b> <small>(23 07 13)</small> Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021 SF 1" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation ..... <i>For Work In Restricted Working Space, Add</i>	11.31 3.15	7.75
23 07 13 00-0022 SF 1-1/2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.59 3.83	9.42
23 07 13 00-0023 SF 2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.60 4.62	11.37
<b>23 07 13 00-0024 Sheet Flexible Elastomeric Insulation</b> <small>(23 07 13)</small>		
23 07 13 00-0025 SF 3/8" Thick, Sheet Flexible Elastomeric Insulation .....	8.66	2.90
23 07 13 00-0026 SF 1/2" Thick, Sheet Flexible Elastomeric Insulation .....	9.25	3.06
23 07 13 00-0027 SF 3/4" Thick, Sheet Flexible Elastomeric Insulation .....	12.14	3.22
23 07 13 00-0028 SF 1" Thick, Sheet Flexible Elastomeric Insulation .....	14.00	3.38
23 07 13 00-0029 SF 1-1/2" Thick, Sheet Flexible Elastomeric Insulation .....	19.38	3.71
23 07 13 00-0030 SF 2" Thick, Sheet Flexible Elastomeric Insulation .....	22.92	4.03
<b>23 07 13 00-0031 Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation</b> <small>(23 07 13)</small> Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032 SF 1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	12.82	3.06
23 07 13 00-0033 SF 3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	14.10	3.22
23 07 13 00-0034 SF 1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	15.71	3.38
23 07 13 00-0035 SF 1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	24.52	3.71
23 07 13 00-0036 SF 2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	29.05	4.03
<b>23 07 13 00-0037 Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation</b> <small>(23 07 13)</small> Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038 SF 1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	15.36	3.06
23 07 13 00-0039 SF 3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	16.64	3.22
23 07 13 00-0040 SF 1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	18.70	3.38
23 07 13 00-0041 SF 1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	27.47	3.71
<b>23 07 16 HVAC Equipment Insulation</b> <small>(23 07)</small>		
<b>23 07 16 00-0001 Calcium Silicate Block Insulation</b> <small>(23 07 16)</small>		
23 07 16 00-0002 SF 1" Thick, Calcium Silicate Block Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.83 5.07	8.46
23 07 16 00-0003 SF 1-1/2" Thick, Calcium Silicate Block Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.41 5.71	9.52
23 07 16 00-0004 SF 2" Thick, Calcium Silicate Block Insulation ..... <i>For Work In Restricted Working Space, Add</i>	27.87 6.61	10.97
23 07 16 00-0005 SF 2-1/2" Thick, Calcium Silicate Block Insulation ..... <i>For Work In Restricted Working Space, Add</i>	33.08 7.73	12.89
23 07 16 00-0006 SF 3" Thick, Calcium Silicate Block Insulation ..... <i>For Work In Restricted Working Space, Add</i>	40.48 9.51	15.86
<b>23 07 19 HVAC Piping Insulation</b> <small>(23 07)</small>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

See CSI section 22 07 19 00-0000 for pipe insulation.

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0001	<b>Calcium Silicate Pipe Insulation</b> <small>(23 07 19)</small> Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0510 for protective jacketing.		
23 07 19 00-0002	<b>1" Thick, Calcium Silicate Pipe Insulation</b> <small>(23 07 19 00-0001)</small>		
23 07 19 00-0003	LF 1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation ..... 13.81	13.81	3.53
	<i>For Work In Restricted Working Space, Add</i> ..... 2.65		
23 07 19 00-0004	LF 3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation ..... 13.81	13.81	3.53
	<i>For Work In Restricted Working Space, Add</i> ..... 2.65		
23 07 19 00-0005	LF 1" Diameter Pipe, 1" Thick Calcium Silicate Insulation ..... 13.73	13.73	3.58
	<i>For Work In Restricted Working Space, Add</i> ..... 2.69		
23 07 19 00-0006	LF 1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation ..... 13.95	13.95	3.63
	<i>For Work In Restricted Working Space, Add</i> ..... 2.72		
23 07 19 00-0007	LF 1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation ..... 14.11	14.11	3.68
	<i>For Work In Restricted Working Space, Add</i> ..... 2.76		
23 07 19 00-0008	LF 2" Diameter Pipe, 1" Thick Calcium Silicate Insulation ..... 15.12	15.12	3.78
	<i>For Work In Restricted Working Space, Add</i> ..... 2.84		
23 07 19 00-0009	LF 2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation ..... 15.82	15.82	3.94
	<i>For Work In Restricted Working Space, Add</i> ..... 2.95		
23 07 19 00-0010	LF 3" Diameter Pipe, 1" Thick Calcium Silicate Insulation ..... 16.52	16.52	4.04
	<i>For Work In Restricted Working Space, Add</i> ..... 3.03		
23 07 19 00-0011	LF 4" Diameter Pipe, 1" Thick Calcium Silicate Insulation ..... 18.90	18.90	4.34
	<i>For Work In Restricted Working Space, Add</i> ..... 3.26		
23 07 19 00-0012	LF 6" Diameter Pipe, 1" Thick Calcium Silicate Insulation ..... 21.04	21.04	4.91
	<i>For Work In Restricted Working Space, Add</i> ..... 3.68		
23 07 19 00-0013	<b>1-1/2" Thick, Calcium Silicate Pipe Insulation</b> <small>(23 07 19 00-0001)</small>		
23 07 19 00-0014	LF 1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... 14.46	14.46	3.68
	<i>For Work In Restricted Working Space, Add</i> ..... 2.76		
23 07 19 00-0015	LF 3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... 14.55	14.55	3.68
	<i>For Work In Restricted Working Space, Add</i> ..... 2.76		
23 07 19 00-0016	LF 1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... 15.58	15.58	3.90
	<i>For Work In Restricted Working Space, Add</i> ..... 2.92		
23 07 19 00-0017	LF 1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... 16.22	16.22	3.97
	<i>For Work In Restricted Working Space, Add</i> ..... 2.98		
23 07 19 00-0018	LF 1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... 16.87	16.87	4.04
	<i>For Work In Restricted Working Space, Add</i> ..... 3.03		
23 07 19 00-0019	LF 2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... 18.12	18.12	4.26
	<i>For Work In Restricted Working Space, Add</i> ..... 3.20		
23 07 19 00-0020	LF 2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... 18.99	18.99	4.33
	<i>For Work In Restricted Working Space, Add</i> ..... 3.25		
23 07 19 00-0021	LF 3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... 19.71	19.71	4.48
	<i>For Work In Restricted Working Space, Add</i> ..... 3.36		
23 07 19 00-0022	LF 4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... 21.98	21.98	4.85
	<i>For Work In Restricted Working Space, Add</i> ..... 3.64		
23 07 19 00-0023	LF 6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... 25.48	25.48	5.66
	<i>For Work In Restricted Working Space, Add</i> ..... 4.24		
23 07 19 00-0024	LF 8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... 29.96	29.96	5.97
	<i>For Work In Restricted Working Space, Add</i> ..... 4.48		
23 07 19 00-0025	LF 10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... 37.76	37.76	7.15
	<i>For Work In Restricted Working Space, Add</i> ..... 5.36		
23 07 19 00-0026	LF 12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... 44.41	44.41	8.32
	<i>For Work In Restricted Working Space, Add</i> ..... 6.24		
23 07 19 00-0027	LF 14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... 49.48	49.48	9.13
	<i>For Work In Restricted Working Space, Add</i> ..... 6.84		
23 07 19 00-0028	LF 16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... 58.89	58.89	11.62
	<i>For Work In Restricted Working Space, Add</i> ..... 8.71		
23 07 19 00-0029	LF 18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... 63.49	63.49	12.19
	<i>For Work In Restricted Working Space, Add</i> ..... 9.14		
23 07 19 00-0030	<b>2" Thick, Calcium Silicate Pipe Insulation</b> <small>(23 07 19 00-0001)</small>		
23 07 19 00-0031	LF 1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... 18.43	18.43	4.04
	<i>For Work In Restricted Working Space, Add</i> ..... 3.03		
23 07 19 00-0032	LF 3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... 18.88	18.88	4.04
	<i>For Work In Restricted Working Space, Add</i> ..... 3.03		
23 07 19 00-0033	LF 1" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... 19.49	19.49	4.09
	<i>For Work In Restricted Working Space, Add</i> ..... 3.07		
23 07 19 00-0034	LF 1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... 20.28	20.28	4.14
	<i>For Work In Restricted Working Space, Add</i> ..... 3.11		
23 07 19 00-0035	LF 1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... 20.83	20.83	4.19
	<i>For Work In Restricted Working Space, Add</i> ..... 3.14		
23 07 19 00-0036	LF 2" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... 21.73	21.73	4.34
	<i>For Work In Restricted Working Space, Add</i> ..... 3.26		
23 07 19 00-0037	LF 2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... 24.32	24.32	4.50
	<i>For Work In Restricted Working Space, Add</i> ..... 3.37		
23 07 19 00-0038	LF 3" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... 24.75	24.75	4.65
	<i>For Work In Restricted Working Space, Add</i> ..... 3.49		
23 07 19 00-0039	LF 4" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... 27.45	27.45	4.91
	<i>For Work In Restricted Working Space, Add</i> ..... 3.68		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0040 LF 6" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	33.65	5.88
<i>For Work In Restricted Working Space, Add</i>	4.42	
23 07 19 00-0041 LF 8" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	38.08	6.22
<i>For Work In Restricted Working Space, Add</i>	4.66	
23 07 19 00-0042 LF 10" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	46.92	7.43
<i>For Work In Restricted Working Space, Add</i>	5.58	
23 07 19 00-0043 LF 12" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	53.73	8.91
<i>For Work In Restricted Working Space, Add</i>	6.68	
23 07 19 00-0044 LF 14" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	65.67	12.43
<i>For Work In Restricted Working Space, Add</i>	9.32	
23 07 19 00-0045 LF 16" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	69.21	12.43
<i>For Work In Restricted Working Space, Add</i>	9.32	
23 07 19 00-0046 LF 18" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	74.22	13.05
<i>For Work In Restricted Working Space, Add</i>	9.78	
23 07 19 00-0047 LF 20" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	88.52	14.91
<i>For Work In Restricted Working Space, Add</i>	11.19	
23 07 19 00-0048 LF 24" Diameter Pipe, 2" Thick Calcium Silicate Insulation .....	103.03	18.01
<i>For Work In Restricted Working Space, Add</i>	13.51	
<b>23 07 19 00-0049 2-1/2" Thick, Calcium Silicate Pipe Insulation</b> <small>(23 07 19 00-0001)</small>		
23 07 19 00-0050 LF 1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	22.13	4.65
<i>For Work In Restricted Working Space, Add</i>	3.50	
23 07 19 00-0051 LF 3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	22.60	4.65
<i>For Work In Restricted Working Space, Add</i>	3.50	
23 07 19 00-0052 LF 1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	23.00	4.73
<i>For Work In Restricted Working Space, Add</i>	3.55	
23 07 19 00-0053 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	23.22	4.77
<i>For Work In Restricted Working Space, Add</i>	3.58	
23 07 19 00-0054 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	23.82	4.81
<i>For Work In Restricted Working Space, Add</i>	3.60	
23 07 19 00-0055 LF 2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	24.83	5.01
<i>For Work In Restricted Working Space, Add</i>	3.75	
23 07 19 00-0056 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	27.97	5.18
<i>For Work In Restricted Working Space, Add</i>	3.88	
23 07 19 00-0057 LF 3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	28.42	5.36
<i>For Work In Restricted Working Space, Add</i>	4.02	
23 07 19 00-0058 LF 4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	32.88	5.65
<i>For Work In Restricted Working Space, Add</i>	4.24	
23 07 19 00-0059 LF 6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	41.00	6.42
<i>For Work In Restricted Working Space, Add</i>	4.82	
23 07 19 00-0060 LF 8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	46.81	7.15
<i>For Work In Restricted Working Space, Add</i>	5.37	
23 07 19 00-0061 LF 10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	55.94	8.25
<i>For Work In Restricted Working Space, Add</i>	6.19	
23 07 19 00-0062 LF 12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	65.03	10.26
<i>For Work In Restricted Working Space, Add</i>	7.70	
23 07 19 00-0063 LF 14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	71.94	11.20
<i>For Work In Restricted Working Space, Add</i>	8.40	
23 07 19 00-0064 LF 16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	87.27	14.32
<i>For Work In Restricted Working Space, Add</i>	10.73	
23 07 19 00-0065 LF 18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	92.17	15.03
<i>For Work In Restricted Working Space, Add</i>	11.27	
23 07 19 00-0066 LF 20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	106.96	17.18
<i>For Work In Restricted Working Space, Add</i>	12.89	
23 07 19 00-0067 LF 24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation .....	125.60	20.75
<i>For Work In Restricted Working Space, Add</i>	15.56	
<b>23 07 19 00-0068 3" Thick, Calcium Silicate Pipe Insulation</b> <small>(23 07 19 00-0001)</small>		
23 07 19 00-0069 LF 1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	28.00	5.15
<i>For Work In Restricted Working Space, Add</i>	3.87	
23 07 19 00-0070 LF 3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	28.11	5.15
<i>For Work In Restricted Working Space, Add</i>	3.87	
23 07 19 00-0071 LF 1" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	28.36	5.21
<i>For Work In Restricted Working Space, Add</i>	3.91	
23 07 19 00-0072 LF 1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	28.65	5.24
<i>For Work In Restricted Working Space, Add</i>	3.93	
23 07 19 00-0073 LF 1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	28.92	5.30
<i>For Work In Restricted Working Space, Add</i>	3.98	
23 07 19 00-0074 LF 2" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	29.90	5.50
<i>For Work In Restricted Working Space, Add</i>	4.12	
23 07 19 00-0075 LF 2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	33.22	5.68
<i>For Work In Restricted Working Space, Add</i>	4.26	
23 07 19 00-0076 LF 3" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	33.88	5.88
<i>For Work In Restricted Working Space, Add</i>	4.42	
23 07 19 00-0077 LF 4" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	40.02	6.22
<i>For Work In Restricted Working Space, Add</i>	4.66	
23 07 19 00-0078 LF 6" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	47.51	7.06
<i>For Work In Restricted Working Space, Add</i>	5.30	
23 07 19 00-0079 LF 8" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	55.23	7.87
<i>For Work In Restricted Working Space, Add</i>	5.90	
23 07 19 00-0080 LF 10" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	65.64	9.08
<i>For Work In Restricted Working Space, Add</i>	6.81	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0081	LF		12" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	75.71	11.28
			<i>For Work In Restricted Working Space, Add</i> .....	8.46	
23 07 19 00-0082	LF		14" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	84.07	12.32
			<i>For Work In Restricted Working Space, Add</i> .....	9.24	
23 07 19 00-0083	LF		16" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	98.21	15.75
			<i>For Work In Restricted Working Space, Add</i> .....	11.81	
23 07 19 00-0084	LF		18" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	105.95	16.53
			<i>For Work In Restricted Working Space, Add</i> .....	12.40	
23 07 19 00-0085	LF		20" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	124.13	18.90
			<i>For Work In Restricted Working Space, Add</i> .....	14.18	
23 07 19 00-0086	LF		24" Diameter Pipe, 3" Thick Calcium Silicate Insulation .....	146.77	22.83
			<i>For Work In Restricted Working Space, Add</i> .....	17.12	
<b>23 07 19 00-0087</b>			<b>3-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0088	LF		1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	35.79	5.65
			<i>For Work In Restricted Working Space, Add</i> .....	4.24	
23 07 19 00-0089	LF		3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	37.16	5.65
			<i>For Work In Restricted Working Space, Add</i> .....	4.24	
23 07 19 00-0090	LF		1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	37.25	5.68
			<i>For Work In Restricted Working Space, Add</i> .....	4.26	
23 07 19 00-0091	LF		1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	37.35	5.72
			<i>For Work In Restricted Working Space, Add</i> .....	4.29	
23 07 19 00-0092	LF		1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	38.54	5.79
			<i>For Work In Restricted Working Space, Add</i> .....	4.35	
23 07 19 00-0093	LF		2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	40.91	5.98
			<i>For Work In Restricted Working Space, Add</i> .....	4.49	
23 07 19 00-0094	LF		2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	44.46	6.21
			<i>For Work In Restricted Working Space, Add</i> .....	4.65	
23 07 19 00-0095	LF		3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	46.04	6.42
			<i>For Work In Restricted Working Space, Add</i> .....	4.82	
23 07 19 00-0096	LF		4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	52.51	6.79
			<i>For Work In Restricted Working Space, Add</i> .....	5.09	
23 07 19 00-0097	LF		6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	58.57	7.71
			<i>For Work In Restricted Working Space, Add</i> .....	5.78	
23 07 19 00-0098	LF		8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	71.42	8.58
			<i>For Work In Restricted Working Space, Add</i> .....	6.44	
23 07 19 00-0099	LF		10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	86.86	9.90
			<i>For Work In Restricted Working Space, Add</i> .....	7.43	
23 07 19 00-0100	LF		12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	105.12	12.31
			<i>For Work In Restricted Working Space, Add</i> .....	9.23	
23 07 19 00-0101	LF		14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	110.68	13.44
			<i>For Work In Restricted Working Space, Add</i> .....	10.08	
23 07 19 00-0102	LF		16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	128.88	17.18
			<i>For Work In Restricted Working Space, Add</i> .....	12.88	
23 07 19 00-0103	LF		18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	148.25	18.03
			<i>For Work In Restricted Working Space, Add</i> .....	13.52	
23 07 19 00-0104	LF		20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation .....	159.84	20.62
			<i>For Work In Restricted Working Space, Add</i> .....	15.47	
<b>23 07 19 00-0105</b>			<b>4" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0106	LF		1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	44.79	6.28
			<i>For Work In Restricted Working Space, Add</i> .....	4.70	
23 07 19 00-0107	LF		3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	44.83	6.28
			<i>For Work In Restricted Working Space, Add</i> .....	4.70	
23 07 19 00-0108	LF		1" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	45.11	6.38
			<i>For Work In Restricted Working Space, Add</i> .....	4.79	
23 07 19 00-0109	LF		1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	46.37	6.46
			<i>For Work In Restricted Working Space, Add</i> .....	4.84	
23 07 19 00-0110	LF		1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	49.12	6.66
			<i>For Work In Restricted Working Space, Add</i> .....	4.99	
23 07 19 00-0111	LF		2" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	50.13	6.86
			<i>For Work In Restricted Working Space, Add</i> .....	5.15	
23 07 19 00-0112	LF		2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	54.81	6.97
			<i>For Work In Restricted Working Space, Add</i> .....	5.23	
23 07 19 00-0113	LF		3" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	56.39	7.22
			<i>For Work In Restricted Working Space, Add</i> .....	5.42	
23 07 19 00-0114	LF		4" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	64.09	7.63
			<i>For Work In Restricted Working Space, Add</i> .....	5.72	
23 07 19 00-0115	LF		6" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	74.16	8.65
			<i>For Work In Restricted Working Space, Add</i> .....	6.49	
23 07 19 00-0116	LF		8" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	88.45	9.65
			<i>For Work In Restricted Working Space, Add</i> .....	7.24	
23 07 19 00-0117	LF		10" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	101.84	11.15
			<i>For Work In Restricted Working Space, Add</i> .....	8.36	
23 07 19 00-0118	LF		12" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	115.82	13.85
			<i>For Work In Restricted Working Space, Add</i> .....	10.39	
23 07 19 00-0119	LF		14" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	123.14	15.13
			<i>For Work In Restricted Working Space, Add</i> .....	11.35	
23 07 19 00-0120	LF		16" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	145.63	19.34
			<i>For Work In Restricted Working Space, Add</i> .....	14.51	
23 07 19 00-0121	LF		18" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	154.91	20.27
			<i>For Work In Restricted Working Space, Add</i> .....	15.20	





Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Includes items like 23 07 19 00-0122 LF 20" Diameter Pipe, 4" Thick Calcium Silicate Insulation and 23 09 23 11-0001 Valves With Actuator.

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0064 EA 12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24) .....	8,712.08	539.99
23 09 23 11-0065 EA 14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110) .....	13,603.88	636.42
23 09 23 11-0066 EA 16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110) .....	15,169.43	700.06
23 09 23 11-0067 EA 18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110) .....	23,359.48	777.71
<b>23 09 23 11-0068 Valve Actuators (23 09 23 11)</b>		
23 09 23 11-0069 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T) .....	411.44	87.63
23 09 23 11-0070 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3) .....	417.73	87.63
23 09 23 11-0071 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T) .....	531.62	87.63
23 09 23 11-0072 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S) .....	469.94	87.63
23 09 23 11-0073 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR) .....	479.11	87.63
23 09 23 11-0074 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT) .....	539.35	87.63
23 09 23 11-0075 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1) .....	679.23	87.63
23 09 23 11-0076 EA 24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95) .....	694.29	87.63
23 09 23 11-0077 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT) .....	730.59	87.63
23 09 23 11-0078 EA 120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3) .....	516.24	87.63
23 09 23 11-0079 EA 120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR) .....	592.42	87.63
23 09 23 11-0080 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T) .....	509.50	87.63
23 09 23 11-0081 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3) .....	518.70	87.63
23 09 23 11-0082 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14) .....	522.14	87.63
23 09 23 11-0083 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S) .....	584.66	87.63
23 09 23 11-0084 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T) .....	611.62	87.63
23 09 23 11-0085 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR) .....	625.94	87.63
23 09 23 11-0086 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT) .....	623.09	87.63
23 09 23 11-0087 EA 24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC) .....	632.26	87.63
23 09 23 11-0088 EA 24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95) .....	631.69	87.63
23 09 23 11-0089 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4) .....	691.18	87.63
23 09 23 11-0090 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4) .....	841.63	87.63
23 09 23 11-0091 EA 100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3) .....	553.67	87.63
23 09 23 11-0092 EA 100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR) .....	663.82	87.63
23 09 23 11-0093 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24) .....	1,527.65	87.63
23 09 23 11-0094 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24) .....	1,715.78	87.63
23 09 23 11-0095 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24) .....	2,063.95	87.63
23 09 23 11-0096 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24) .....	2,341.00	87.63
23 09 23 11-0097 EA 120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110) .....	2,775.21	87.63
23 09 23 11-0098 EA 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110) .....	3,273.10	87.63
23 09 23 11-0099 EA 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110) .....	4,418.00	87.63
23 09 23 11-0100 EA 120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110) .....	5,398.26	87.63
<b>23 09 23 12 Control Dampers (23 09 23)</b>		
<b>23 09 23 12-0001 Rectangular Galvanized Volume Control Dampers (23 09 23 12)</b>		
Note: Excludes actuators.		
23 09 23 12-0002 EA 8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008) .....	214.03	44.49
23 09 23 12-0003 EA 10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010) .....	240.90	48.80
23 09 23 12-0004 EA 12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012) .....	269.16	53.82
23 09 23 12-0005 EA 14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014) .....	311.46	63.15
23 09 23 12-0006 EA 16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016) .....	352.30	71.76
23 09 23 12-0007 EA 18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018) .....	358.43	80.73
23 09 23 12-0008 EA 20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020) .....	437.46	89.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0009 EA 24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024).....	522.57	107.63
23 09 23 12-0010 EA 32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032).....	667.78	125.57
23 09 23 12-0011 EA 48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048).....	980.40	143.51
23 09 23 12-0012 EA 60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060).....	1,771.72	161.45
23 09 23 12-0013 EA 72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072).....	2,243.92	179.39
<b>23 09 23 12-0014 Round Galvanized Control Dampers (23 09 23 12)</b>		
Note: Excludes actuators.		
23 09 23 12-0015 EA 6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06).....	209.79	50.23
23 09 23 12-0016 EA 8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08).....	217.05	53.82
23 09 23 12-0017 EA 10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10).....	225.82	53.82
23 09 23 12-0018 EA 12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12).....	251.00	61.00
23 09 23 12-0019 EA 14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14).....	283.49	61.00
23 09 23 12-0020 EA 16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16).....	308.98	71.76
23 09 23 12-0021 EA 18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18).....	414.60	75.53
23 09 23 12-0022 EA 20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20).....	433.26	78.29
23 09 23 12-0023 EA 22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22).....	460.18	84.40
23 09 23 12-0024 EA 24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24).....	487.62	90.51
<b>23 09 23 12-0025 Remote Damper Control (23 09 23 12)</b>		
23 09 23 12-0026 EA Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B).....	323.25	
For Each 10' Flexible Casing And Wire, Add		38.29
23 09 23 12-0027 EA Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B).....	315.42	
For Each 10' Flexible Casing And Wire, Add		38.29
<b>23 09 23 13 Energy Meters (23 09 23)</b>		
<b>23 09 23 13-0001 Surge Protectors (23 09 23 13)</b>		
23 09 23 13-0002 EA Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255).....	326.71	8.36
23 09 23 13-0003 EA Surge Protector, 1AC Outlet (Transtector TR2251).....	246.02	8.36
23 09 23 13-0004 EA Surge Protector, 2 AC Outlets (Transtector TR2254).....	384.86	8.36
23 09 23 13-0005 EA Surge Protector, DB-15 Connection (Transtector TR2259-DLP15).....	206.62	8.36
23 09 23 13-0006 EA Surge Protector, DB-25 Connection (Transtector TR2259-DLP25).....	206.62	8.36
23 09 23 13-0007 EA Surge Protector, DB-9 Connection (Transtector TR2259-DLP9).....	206.62	8.36
23 09 23 13-0008 EA Surge Protector, Individual Wire Connection (Transtector TR2258).....	300.45	8.36
23 09 23 13-0009 EA Surge Protector, Trane Communication Links (Transtector TR2257).....	184.10	8.36
<b>23 09 23 14 Flow Instruments (23 09 23)</b>		
<b>23 09 23 14-0001 Water Flow Meters (23 09 23 14)</b>		
23 09 23 14-0002 EA Insertion Electromagnetic Water Flow Meter (Onicon F-3500).....	4,905.71	93.74
Note: Excludes pipe fittings.		
<b>23 09 23 14-0003 Air Flow Monitoring Stations (23 09 23 14)</b>		
23 09 23 14-0004 EA Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116).....	3,928.55	137.77
Note: 10' cable, 36" x 24" typical duct size.		
23 09 23 14-0005 EA Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116).....	5,613.44	137.77
Note: 10' cable, 48" x 36" typical duct size.		
23 09 23 14-0006 EA Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116).....	6,970.98	137.77
Note: 10' cable, 60" x 48" typical duct size.		
<b>23 09 23 16 Gas Instruments (23 09 23)</b>		
<b>23 09 23 16-0001 Gas Sensors (23 09 23 16)</b>		
23 09 23 16-0002 EA 6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B).....	2,028.47	50.16
23 09 23 16-0003 EA Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD).....	892.51	33.44
23 09 23 16-0004 EA CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2).....	1,608.93	50.16
Note: Solid state sensor.		
23 09 23 16-0005 EA CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD).....	863.39	60.20
<b>23 09 23 19 Moisture Instruments (23 09 23)</b>		
<b>23 09 23 19-0001 Relative Humidity Sensors (23 09 23 19)</b>		
23 09 23 19-0002 EA 3% Duct Mounted RH Sensor (Kele HD30K).....	530.75	60.20
23 09 23 19-0003 EA 10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3).....	545.74	60.20
23 09 23 19-0004 EA 3% RH Outdoor Air Sensor (Kele HO30K).....	613.15	83.60
23 09 23 19-0005 EA 2% Surface Mounted RH Transmitter (Kele HW20K).....	486.75	33.44
<b>23 09 23 21 Motion Instruments (23 09 23)</b>		
<b>23 09 23 21-0001 Peco Motion Sensors (23 09 23 21)</b>		
23 09 23 21-0002 EA Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001).....	175.84	23.51
23 09 23 21-0003 EA Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001).....	172.27	23.51

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 09 23 21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001).....	232.25	23.51
23 09 23 21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002) .....	205.78	23.51
23 09 23 21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001) .....	60.32	23.51
23 09 23 21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002) .....	55.39	23.51
23 09 23 21-0008	EA	Power Pack And Controller (Peco SF200-001).....	106.11	23.51

**23 09 23 23 Pressure Instruments (23 09 23)****23 09 23 23-0001 Pressure Sensors (23 09 23 23)**

23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005).....	710.82	70.60
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050).....	630.30	70.60
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222).....	240.73	70.60
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262).....	250.08	70.60
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460).....	268.39	70.60
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145) .....	247.37	70.60
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA) .....	2,671.74	70.60
		Note: Excludes pipe fittings.		
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA) .....	2,671.74	70.60
		Note: Excludes pipe fittings.		
23 09 23 23-0010	EA	Magnahelic Gauge.....	672.47	43.16

**23 09 23 23-0011 Room Pressure Monitoring (23 09 23 23)**

23 09 23 23-0012	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM) .....	3,247.58	71.76
23 09 23 23-0013	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC).....	5,207.38	71.76
		Note: Excludes dampers and actuators.		
23 09 23 23-0014	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4) .....	419.69	43.06
23 09 23 23-0015	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7) .....	482.24	43.06

**23 09 23 27 Temperature Instruments (23 09 23)****23 09 23 27-0001 Air Temperature Sensors (23 09 23 27)**

23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24).....	185.48	60.20
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO) .....	265.99	60.20
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG) .....	194.75	60.20
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH) .....	204.24	60.20
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18) .....	207.40	60.20
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6) .....	204.28	60.20
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non Metallic Handibox Housing (Kele ST-D24-XHP) .....	205.96	60.20
23 09 23 27-0009	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4) .....	221.96	60.20
23 09 23 27-0010	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW) .....	235.93	60.20
23 09 23 27-0011	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24).....	283.04	83.60
23 09 23 27-0012	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-Q24-XC25).....	293.80	83.60
23 09 23 27-0013	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF).....	129.08	33.44
23 09 23 27-0014	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R).....	133.04	33.44
23 09 23 27-0015	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SF).....	122.65	33.44

**23 09 23 27-0016 Water Temperature Sensors (23 09 23 27)**

23 09 23 27-0017	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001).....	150.75	64.69
23 09 23 27-0018	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005).....	337.20	64.69

**23 09 23 27-0019 Peco Thermostats (23 09 23 27)**

23 09 23 27-0020	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-1AQ).....	367.80	15.68
23 09 23 27-0021	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001).....	326.78	15.68

**23 09 23 53 Proprietary Control Systems (23 09 23)****23 09 23 53-0001 Primary Control Devices (23 09 23 53)****23 09 23 53-0002 Energy Management - Building Management System (23 09 23 53-0001)**

23 09 23 53-0003	EA	Global Control Modules .....	1,257.30	121.58
23 09 23 53-0004	EA	MicroZone II Digital Controller.....	876.36	75.99
23 09 23 53-0005	EA	MicroFlo II Variable Air Volume Digital Controller .....	479.02	65.65
23 09 23 53-0006	EA	VAV Box DDC Controllers .....	621.56	71.73
23 09 23 53-0007	EA	Lighting Control Relay Cabinet .....	1,645.40	243.16
23 09 23 53-0008	EA	Flow Transmitter Assembly - Water (Turbine Type).....	1,306.50	182.37
23 09 23 53-0009	EA	Pressure Transmitter Assembly - Air Streams .....	469.31	60.79
23 09 23 53-0010	EA	Differential Pressure Transmitter Assembly - Water .....	396.87	60.79
23 09 23 53-0011	EA	Watt Transducer .....	643.16	60.79
23 09 23 53-0012	EA	Differential Pressure Switch - Liquid .....	295.45	60.79
23 09 23 53-0013	EA	Differential Pressure Switch - Air .....	251.99	60.79
23 09 23 53-0014	EA	Differential Pressure Switch - Filters - Indicating .....	280.96	60.79
23 09 23 53-0015	EA	Damper End Switch .....	367.89	60.79
23 09 23 53-0016	EA	Automatic Dampers .....	926.40	77.81



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include sections like EMCS General Costs, EMCS System Design Engineering, Field Tests, Checkout And Commissioning, EMCS System Engineering/Submittal Design And Layout, Alerton Controls.

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 09 23 53-0072	EA		6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R).....	1,980.27	250.82
23 09 23 53-0073	EA		8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853).....	2,427.72	250.82
23 09 23 53-0074	EA		16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688).....	4,963.81	334.43
23 09 23 53-0075	EA		2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362).....	2,060.02	250.82
23 09 23 53-0076	EA		Wireless Door Contact Sensor (Alerton AL-OC-DS).....	146.59	9.40
23 09 23 53-0077	EA		One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT).....	244.31	9.40
23 09 23 53-0078	EA		One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT).....	640.54	9.40
23 09 23 53-0079	EA		Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT).....	640.54	9.40
23 09 23 53-0080	EA		Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT).....	496.17	9.40
23 09 23 53-0081	EA		BACnet-Compliant Wall Sensor (Alerton TS-1050-BT).....	160.37	9.40
23 09 23 53-0082	EA		Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT).....	676.65	9.40
23 09 23 53-0083	EA		Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT).....	760.61	9.40
23 09 23 53-0084	EA		10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0).....	3,059.03	250.82
23 09 23 53-0085	EA		10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8).....	3,265.53	250.82
23 09 23 53-0086	EA		22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0).....	3,087.57	250.82
23 09 23 53-0087	EA		50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM).....	9,622.88	
23 09 23 53-0088	EA		Global Controller Base Unit (Alerton ACM).....	5,256.10	250.82
23 09 23 53-0089	EA		External Battery Pack For ACM (Alerton ACM-BATT).....	1,141.04	139.52
23 09 23 53-0090	EA		Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032).....	963.87	
23 09 23 53-0091	EA		Microset 4 Wall Sensor (Alerton MS4-THC).....	1,098.88	9.40

**23 09 23 53-0092 Automated Logic Controls (23 09 23 53)**

23 09 23 53-0093	EA		0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100).....	3,475.97	250.82
23 09 23 53-0094	EA		0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320).....	7,607.86	752.47
23 09 23 53-0095	EA		2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx).....	2,330.86	250.82
23 09 23 53-0096	EA		4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx).....	5,090.39	334.43
23 09 23 53-0097	EA		8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx).....	5,004.93	334.43
23 09 23 53-0098	EA		16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160).....	7,958.91	668.86
23 09 23 53-0099	EA		8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx).....	4,449.47	334.43
23 09 23 53-0100	EA		0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320).....	4,535.62	250.82
23 09 23 53-0101	EA		16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160).....	7,446.18	668.86
23 09 23 53-0102	EA		No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642).....	1,712.36	167.22
23 09 23 53-0103	EA		With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D).....	1,835.86	167.22
23 09 23 53-0104	EA		3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+).....	2,641.34	167.22
23 09 23 53-0105	EA		1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+).....	2,545.20	167.22
23 09 23 53-0106	EA		Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF).....	2,108.67	250.82
23 09 23 53-0107	EA		Unlimited Points, Front End Software For Building Control (Automated Logic WC).....	13,702.96	
23 09 23 53-0108	EA		500 Point, Front End Software For Building Control (Automated Logic WC500).....	8,490.14	
23 09 23 53-0109	EA		Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE).....	11,518.08	

**23 09 23 53-0110 Cypress Envirosystems Controls (23 09 23 53)****23 09 23 53-0111 Wireless Pneumatic Thermostat (23 09 23 53-0110)**

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.

23 09 23 53-0112	EA		Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP).....	533.55	10.45
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-27.73	
			For >200, Deduct	-55.41	
23 09 23 53-0113	EA		Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP).....	533.55	10.45
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-27.73	
			For >200, Deduct	-55.41	
23 09 23 53-0114	EA		Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP).....	533.55	10.45
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-27.73	
			For >200, Deduct	-55.41	
23 09 23 53-0115	EA		Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP).....	533.55	10.45
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-27.73	
			For >200, Deduct	-55.41	
23 09 23 53-0116	EA		Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP-DB).....	607.83	10.45
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-31.86	
			For >200, Deduct	-63.66	
23 09 23 53-0117	EA		Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP-DB).....	607.83	10.45
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-31.86	
			For >200, Deduct	-63.66	
23 09 23 53-0118	EA		Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB).....	607.83	10.45
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-31.86	
			For >200, Deduct	-63.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0119 EA Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP-DB) ..... 624.56 10.45 Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-32.79	
For >200, Deduct	-65.52	
23 09 23 53-0120 EA Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV)..... 43.21 10.45 Note: Optional cover.		
For >50 To 200, Deduct	-1.82	
For >200, Deduct	-3.64	
23 09 23 53-0121 EA Green Box Controller (Cypress Envirosystems GBC-800-001) ..... 5,866.94 10.45 Note: One unit for up to 100 thermostats.		
For 2, Deduct	-302.96	
For >2, Deduct	-605.37	
23 09 23 53-0122 EA WPT USB Hub (Cypress Envirosystems WPT-800-HUSB) ..... 442.32 10.45 Note: One unit for up to 100 thermostats.		
For 2, Deduct	-24.01	
For >2, Deduct	-47.98	
23 09 23 53-0123 EA WPT Repeater (Cypress Envirosystems WPT-800-RWAL)..... 765.64 10.45 Note: One unit for up to 15 thermostats.		
For >5 To 10, Deduct	-39.66	
For >10, Deduct	-79.26	
23 09 23 53-0124 EA 24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V) ..... 934.09 10.45 Note: One unit for up to 15 thermostats.		
For >5 To 10, Deduct	-46.12	
For >10, Deduct	-92.17	
<b>23 09 23 53-0125 Delta Controls (23 09 23 53)</b>		
<b>23 09 23 53-0126 Software (23 09 23 53-0125)</b>		
Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0127 EA Orca Software Unlimited Points License (Delta Controls DOW333-USB) ..... 2,282.10		
23 09 23 53-0128 EA Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB) ..... 3,912.48		
23 09 23 53-0129 EA Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB) ..... 8,477.04		
23 09 23 53-0130 EA Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB) ..... 13,367.46		
23 09 23 53-0131 EA Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB) ..... 6,846.66		
23 09 23 53-0132 EA Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB)..... 2,282.10		
23 09 23 53-0133 EA 100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01) ..... 5,542.50		
23 09 23 53-0134 EA 1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02) ..... 6,846.66		
23 09 23 53-0135 EA KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB) ..... 2,387.31 104.51		
23 09 23 53-0136 EA Delta Controls Touch Screen (Delta Controls DHMI-7-I) ..... 2,650.13		
<b>23 09 23 53-0137 EMCS Central Equipment And Controllers (23 09 23 53-0125)</b>		
23 09 23 53-0138 EA Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616) ..... 8,016.44 418.03 Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup		
23 09 23 53-0139 EA Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E) ..... 5,929.79 418.03		
23 09 23 53-0140 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146) ..... 4,191.99 418.03		
23 09 23 53-0141 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180) ..... 4,191.99 418.03		
23 09 23 53-0142 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146) ..... 4,191.99 418.03		
23 09 23 53-0143 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)..... 3,874.20 418.03		
23 09 23 53-0144 EA VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF) ..... 1,413.17 209.02		
23 09 23 53-0145 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240) ..... 1,272.97 209.02		
23 09 23 53-0146 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)..... 1,365.99 209.02		
23 09 23 53-0147 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240) ..... 1,272.97 209.02		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0148 EA Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616) .....	3,131.75	261.27
23 09 23 53-0149 EA Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440) .....	759.88	104.51
23 09 23 53-0150 EA Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404) .....	818.99	104.51
23 09 23 53-0151 EA Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600).....	972.30	104.51
<b>23 09 23 53-0152 Network, VAV And Special Sensors</b> <small>(23 09 23 53-0125)</small>		
23 09 23 53-0153 EA BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24) .....	259.57	33.44
23 09 23 53-0154 EA BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24) .....	354.89	37.63
23 09 23 53-0155 EA Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B).....	712.21	15.68
<b>23 09 23 53-0156 Honeywell Controls</b> <small>(23 09 23 53)</small>		
<b>23 09 23 53-0157 EMCS Central Equipment And Controllers</b> <small>(23 09 23 53-0156)</small>		
<b>23 09 23 53-0158 EMCS Network Area Controllers (BACnet Or Lon)</b> <small>(23 09 23 53-0157)</small>		
Note: Includes loading software, software license, loading data base and mounting on wall.		
23 09 23 53-0159 EA Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004) .....	11,295.15	509.48
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.		
23 09 23 53-0160 EA Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022) .....	7,567.46	509.48
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).		
23 09 23 53-0161 EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201) .....	5,677.73	509.48
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.		
23 09 23 53-0162 EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ) .....	7,181.51	509.48
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.		
23 09 23 53-0163 EA Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN).....	5,625.96	509.48
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBUS TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.		
23 09 23 53-0164 EA Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU) .....	5,625.96	509.48
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBUS TCP driver. Excludes RS232 and RS485.		
23 09 23 53-0165 EA 16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B).....	6,146.04	509.48
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0166 EA 16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU).....	6,692.02	509.48
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0167 EA 16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N).....	6,146.04	509.48
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0168 EA 16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU).....	6,692.02	509.48
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0169 EA 34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B).....	6,696.73	509.48
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0170 EA 34 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-234-BU).....	7,242.70	509.48
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.		
23 09 23 53-0171 EA 34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N).....	6,696.73	509.48
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0172 EA 34 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU) .....	7,242.70	509.48
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.		
23 09 23 53-0173 EA Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX).....	7,155.63	509.48
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.		





Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various HVAC equipment like Network Area Java Controllers, EMCS Network Interfaces, DDC Application Specific Controller Assemblies, and DDC Programmable Controller Assemblies.

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 09 23 53-0216	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011).....	620.11	
		Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0217	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001) .....	649.52	
		Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0218	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010).....	613.05	
23 09 23 53-0219	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016) .....	622.46	
23 09 23 53-0220	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011).....	608.34	
23 09 23 53-0221	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025).....	523.62	
23 09 23 53-0222	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004) .....	455.37	
23 09 23 53-0223	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002).....	667.17	
23 09 23 53-0224	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000) .....	596.57	
23 09 23 53-0225	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002).....	658.94	
23 09 23 53-0226	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011).....	1,399.06	
23 09 23 53-0227	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017).....	1,740.29	
23 09 23 53-0228	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002).....	869.56	
23 09 23 53-0229	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010) .....	856.62	
23 09 23 53-0230	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027) .....	420.07	
23 09 23 53-0231	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016).....	477.73	
23 09 23 53-0232	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001) .....	882.50	
23 09 23 53-0233	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001) .....	943.69	
23 09 23 53-0234	EA	AI Module (Honeywell XFL521B) .....	590.69	
23 09 23 53-0235	EA	AO Module (Honeywell XFL522B).....	590.69	
23 09 23 53-0236	EA	DI Module (Honeywell XFL523B).....	590.69	
23 09 23 53-0237	EA	DO Module (Honeywell XFL524B).....	590.69	
23 09 23 53-0238	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511) .....	104.72	
23 09 23 53-0239	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513) .....	197.68	
23 09 23 53-0240	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514).....	194.15	
23 09 23 53-0241	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI).....	594.22	
23 09 23 53-0242	EA	Lon Hub (Honeywell XIO-HUB).....	88.25	
23 09 23 53-0243	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO).....	594.22	
23 09 23 53-0244	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI).....	547.15	
23 09 23 53-0245	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO) .....	547.15	
23 09 23 53-0246	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC) .....	576.57	
23 09 23 53-0247	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	576.57	
23 09 23 53-0248	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI) .....	829.55	
23 09 23 53-0249	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16).....	978.99	
		Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.		
23 09 23 53-0250	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005) .....	2,080.35	
		Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.		

**23 09 23 53-0251 EMCS Software (23 09 23 53-0156)****23 09 23 53-0252 Software Packages And License (23 09 23 53-0251)**

Note: Includes installation on equipment.

23 09 23 53-0253	EA	On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB).....	663.64	
		Note: Requires UI services to be installed on NAC.		
23 09 23 53-0254	EA	Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX) .....	2,490.47	
		Note: Upgrade existing network area controller. As with other WEBS controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0255	EA	WEBStation-AX Software For Windows (Honeywell WEB-S-AX) .....	7,413.02	
		Note: Includes Archon database. WEBS controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).		
23 09 23 53-0256	EA	Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS) .....	4,412.51	
		Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.		
23 09 23 53-0257	EA	Upgrade Small Building To Large Building Software .....	4,961.48	
		Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.		
23 09 23 53-0258	EA	Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W) .....	3,451.36	
		Note: One copy is included with WEB-S-AX and WEBStation-AX.		
23 09 23 53-0259	EA	WEBS Energy Suite (WES) Base Software (Honeywell WES-BASE-AX) .....	6,210.65	
		Note: Includes license for 10 points of E <sup>2</sup> Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E <sup>2</sup> Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.		
23 09 23 53-0260	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E <sup>2</sup> Profiler Points (Honeywell WES-CP-AX) .....	745.01	
		Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.		
23 09 23 53-0261	EA	Perpetual License For One Point Of E <sup>2</sup> Profiler (Honeywell WES-E2-AX).....	468.50	
		Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.		
23 09 23 53-0262	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters .....	33,984.77	
		Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.		
23 09 23 53-0263	EA	Annual Maintenance For Enterprise WEBS-AX Energy Suite (Honeywell WES-M1-ENT-AX).....	30,985.33	
		Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.		
23 09 23 53-0264	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX) .....	11,820.83	
23 09 23 53-0265	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS).....	8,820.32	
23 09 23 53-0266	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500) .....	2,549.84	
23 09 23 53-0267	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500) .....	2,549.84	
23 09 23 53-0268	EA	Ykcon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL).....	17,650.05	
		Note: Excludes Oracle.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0269 EA Open System Driver Option (Honeywell WS-SNMP-500).....	2,353.34	
Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchased with the WS or added later. Web Supervisor required to purchase this option.		
23 09 23 53-0270 EA Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500) .....	2,549.84	
23 09 23 53-0271 EA WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003).....	6,668.19	
Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.		
23 09 23 53-0272 EA WEBStation Additional Node (Honeywell ZW2000B1002) .....	2,549.84	
23 09 23 53-0273 EA WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001) .....	42,753.13	
23 09 23 53-0274 EA WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000).....	78,445.06	
23 09 23 53-0275 EA WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009).....	137,278.56	
23 09 23 53-0276 EA Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008).....	7,060.02	
23 09 23 53-0277 EA Additional Master WEBStation Software Licenses (Honeywell ZW200G1007).....	3,530.01	
23 09 23 53-0278 EA Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001).....	2,726.53	
23 09 23 53-0279 EA Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055).....	3,019.97	
Note: As with other WEBS, capacity is limited by the characteristics of the application including size and complexity.		
<b>23 09 23 53-0280 Initial Database Generation (23 09 23 53-0251)</b>		
23 09 23 53-0281 PNT Database Generation For Central Plant.....	70.12	
23 09 23 53-0282 PNT Database Generation For Programmable Controller .....	70.12	
Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0283 EA Database Generation For Application Specific Controller.....	70.12	
Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 53-0284 EA Replication Of Database Generation For Application Specific Controller .....	48.81	
Note: Price per copy made.		
23 09 23 53-0285 EA Database Generation For Remote IO Modules, Sensors, Etcetera .....	48.81	
<b>23 09 23 53-0286 Application Software Programs (23 09 23 53-0251)</b>		
23 09 23 53-0287 EA Basic Application Program Package.....	2,926.25	
Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.		
23 09 23 53-0288 EA Optimum Start/Stop Program.....	97.82	
Note: Priced per controller requiring optimum start programming.		
23 09 23 53-0289 EA Duty Cycling Program.....	46.20	
23 09 23 53-0290 EA Hot Deck/Cold Deck Reset Application Program .....	5,027.19	
23 09 23 53-0291 EA Boiler Optimization Program .....	6,587.82	
23 09 23 53-0292 EA Chiller Optimization Program .....	8,923.87	
23 09 23 53-0293 EA Lighting Control Program .....	4,306.32	
23 09 23 53-0294 EA Demand Limiting Program .....	85.80	
Note: Priced per controller requiring optimum start programming.		
23 09 23 53-0295 EA Email Alarm Server Configuration.....	3,322.14	
<b>23 09 23 53-0296 Color Graphics Generation (23 09 23 53-0251)</b>		
Note: Priced per page.		
23 09 23 53-0297 EA Single Site Home Page Graphics Page With HTML Navigation Code.....	1,753.46	
23 09 23 53-0298 EA Multi Site Home Page Graphics Page With HTML Navigation Code .....	3,113.21	
23 09 23 53-0299 EA Color Graphics Page For Central Plant .....	736.67	
23 09 23 53-0300 EA Color Graphics Page For Building Floor Plan .....	735.64	
23 09 23 53-0301 EA Replication Of Color Graphics Page For Central Plant .....	399.64	
23 09 23 53-0302 EA Color Graphics Page For Programmable Controller .....	896.27	
Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0303 EA Replication Of Color Graphics Page For Programmable Controller.....	191.67	
Note: Priced per copy made.		
23 09 23 53-0304 EA Color Graphics Page For Application Specific Controller.....	828.97	
Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 53-0305 EA Replication Of Color Graphics Page For Application Specific Cont .....	82.88	
Note: Priced per copy made.		
<b>23 09 23 53-0306 Sensors, Actuators And Control Devices (23 09 23 53-0156)</b>		
Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
<b>23 09 23 53-0307 Special Sensors (23 09 23 53-0306)</b>		
23 09 23 53-0308 EA Dewpoint Sensor (Honeywell C7232B1014).....	2,056.04	64.69
23 09 23 53-0309 EA Enthalpy Sensor -25 To 125 F.....	2,146.96	64.69
23 09 23 53-0310 EA Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002) .....	925.37	129.39
23 09 23 53-0311 EA Freezestat (Honeywell L482A1004).....	626.39	215.60
23 09 23 53-0312 EA Wall Mounted Occupancy Sensor.....	462.22	64.69
23 09 23 53-0313 EA Ceiling Mounted Occupancy Sensor.....	361.98	64.69
23 09 23 53-0314 EA I/P Positioner With Gauge.....	427.17	64.69
23 09 23 53-0315 EA Non Communicating Duct Mounted Smoke Detector With Sampling Tube .....	510.78	64.69
23 09 23 53-0316 EA EP Transducer.....	427.17	43.16
23 09 23 53-0317 EA Electric Heat Sequencer .....	672.65	86.22

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 09 23 53-0318</b>			<b>Meters</b> (23 09 23 53-0306)		
23 09 23 53-0319	EA		208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer.....	4,361.78	517.32
23 09 23 53-0320	EA		208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface .....	6,298.82	603.54
23 09 23 53-0321	EA		1 To 300 Amperes, Current Transformer For KW Meter.....	1,488.59	215.60
23 09 23 53-0322	EA		300 To 800 Amperes, Current Transformer For KW Meter.....	1,722.86	215.60
23 09 23 53-0323	EA		800 To 2,400 Amperes, Current Transformer For KW Meter.....	2,172.13	215.60
<b>23 09 23 53-0324</b>			<b>Direct Coupled Actuators</b> (23 09 23 53-0306)		
23 09 23 53-0325	EA		44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002).....	699.08	118.40
23 09 23 53-0326	EA		88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200).....	765.08	118.40
23 09 23 53-0327	EA		175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209).....	878.56	118.40
23 09 23 53-0328	EA		44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008).....	660.46	118.40
23 09 23 53-0329	EA		88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206).....	731.44	118.40
23 09 23 53-0330	EA		175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205).....	801.73	118.40
23 09 23 53-0331	EA		44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator.....	735.32	118.40
23 09 23 53-0332	EA		88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206).....	836.53	118.40
23 09 23 53-0333	EA		175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205).....	945.77	118.40
23 09 23 53-0334	EA		44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209).....	607.81	118.40
23 09 23 53-0335	EA		88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209).....	661.70	118.40
23 09 23 53-0336	EA		175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200).....	769.96	118.40
23 09 23 53-0337	EA		175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007).....	820.92	118.40
23 09 23 53-0338	EA		300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030).....	820.29	118.40
23 09 23 53-0339	EA		300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008).....	960.04	118.40
23 09 23 53-0340	EA		Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018).....	629.89	118.40
23 09 23 53-0341	EA		Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368).....	1,083.87	118.40
23 09 23 53-0342	EA		Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator .....	480.48	118.40
23 09 23 53-0343	EA		Direct Coupled Damper Actuator Enclosure For Outdoor Use.....	721.83	118.40
<b>23 09 23 53-0344</b>			<b>Thermostats</b> (23 09 23 53-0156)		
<b>23 09 23 53-0345</b>			<b>Electric And Electronic Thermostats</b> (23 09 23 53-0344)		
			Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 53-0346	EA		Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018).....	199.19	15.68
23 09 23 53-0347	EA		Electronic Non Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320).....	215.92	15.68
23 09 23 53-0348	EA		Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110).....	197.33	15.68
23 09 23 53-0349	EA		Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220).....	222.79	15.68
23 09 23 53-0350	EA		Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320).....	241.93	15.68
23 09 23 53-0351	EA		Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321).....	364.58	15.68
23 09 23 53-0352	EA		Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F).....	539.26	15.68
23 09 23 53-0353	EA		Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H).....	884.64	15.68
23 09 23 53-0354	EA		Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M).....	944.65	15.68
<b>23 09 23 53-0355</b>			<b>Pneumatic Thermostats</b> (23 09 23 53-0344)		
			Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 53-0356	EA		Pneumatic Thermostat (Honeywell TP970B2182).....	286.10	15.68
<b>23 09 23 53-0357</b>			<b>Thermostats Guards</b> (23 09 23 53-0344)		
23 09 23 53-0358	EA		9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009).....	67.49	15.68
23 09 23 53-0359	EA		7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511).....	81.43	15.68
23 09 23 53-0360	EA		5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510).....	76.41	15.68
<b>23 09 23 53-0361</b>			<b>Johnson Controls</b> (23 09 23 53)		
<b>23 09 23 53-0362</b>			<b>Software</b> (23 09 23 53-0361)		
			Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0363	EA		5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0).....	18,863.31	
23 09 23 53-0364	EA		10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0).....	22,317.37	
23 09 23 53-0365	EA		N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0).....	1,056.15	
23 09 23 53-0366	EA		N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2).....	1,625.39	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0367	EA			BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0) .....	2,916.70	
23 09 23 53-0368	EA			BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0).....	1,065.79	
23 09 23 53-0369	EA			New User FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0) .....	1,059.27	
23 09 23 53-0370	EA			Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6) .....	355.18	
<b>23 09 23 53-0371 Supervisory Controllers</b> <small>(23 09 23 53-0361)</small>						
23 09 23 53-0372	EA			NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2).....	7,800.12	418.03
23 09 23 53-0373	EA			NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2).....	12,355.43	418.03
23 09 23 53-0374	EA			NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1) .....	16,920.83	418.03
23 09 23 53-0375	EA			NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0).....	6,045.44	418.03
<b>23 09 23 53-0376 Controllers</b> <small>(23 09 23 53-0361)</small>						
23 09 23 53-0377	EA			10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0).....	902.10	104.51
23 09 23 53-0378	EA			10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0) .....	1,205.85	209.02
23 09 23 53-0379	EA			17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0).....	1,533.16	209.02
23 09 23 53-0380	EA			17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0).....	1,836.90	209.02
23 09 23 53-0381	EA			BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0) .....	727.84	104.51
23 09 23 53-0382	EA			BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0).....	805.30	104.51
23 09 23 53-0383	EA			BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0) .....	921.47	104.51
23 09 23 53-0384	EA			17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IQU4710-0).....	936.96	104.51
23 09 23 53-0385	EA			BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2).....	1,915.93	209.02
23 09 23 53-0386	EA			32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0) .....	916.21	104.51
23 09 23 53-0387	EA			32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0) .....	1,357.92	104.51
Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications						
<b>23 09 23 53-0388 Master FX Controllers</b> <small>(23 09 23 53-0361)</small>						
23 09 23 53-0389	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C).....	2,448.72	209.02
23 09 23 53-0390	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C).....	2,632.26	209.02
23 09 23 53-0391	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C).....	2,723.46	209.02
23 09 23 53-0392	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C).....	2,668.04	209.02
23 09 23 53-0393	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C).....	2,581.41	209.02
23 09 23 53-0394	EA			6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C) .....	2,595.30	209.02
23 09 23 53-0395	EA			6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C) .....	2,581.41	209.02
23 09 23 53-0396	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C) .....	2,632.46	209.02
23 09 23 53-0397	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C) .....	2,790.97	209.02
23 09 23 53-0398	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C) .....	2,896.64	209.02
23 09 23 53-0399	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C) .....	2,843.80	209.02
23 09 23 53-0400	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C) .....	2,735.64	209.02
23 09 23 53-0401	EA			6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C) .....	2,632.46	209.02
23 09 23 53-0402	EA			6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C) .....	2,790.97	209.02
23 09 23 53-0403	EA			6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C).....	2,896.64	209.02
23 09 23 53-0404	EA			6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C).....	2,843.80	209.02
23 09 23 53-0405	EA			6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C).....	2,735.64	209.02
23 09 23 53-0406	EA			N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C) .....	291.73	52.25
23 09 23 53-0407	EA			LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C).....	421.76	52.25

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0408 EA RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C).....	328.23	52.25
23 09 23 53-0409 EA BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C).....	291.73	52.25
23 09 23 53-0410 EA Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C).....	811.22	52.25
23 09 23 53-0411 EA Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C).....	744.33	52.25
23 09 23 53-0412 EA 5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C).....	760.00	52.25
23 09 23 53-0413 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C).....	760.00	52.25
23 09 23 53-0414 EA 5 UI, 4 BI, 3 AO, 2 Triac DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C).....	838.23	52.25
23 09 23 53-0415 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C).....	838.23	52.25
23 09 23 53-0416 EA 6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C).....	1,063.14	52.25
23 09 23 53-0417 EA 6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C).....	1,063.14	52.25
23 09 23 53-0418 EA 6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C).....	1,190.27	52.25
23 09 23 53-0419 EA 6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C).....	1,190.27	52.25
<b>23 09 23 53-0420 VAV, Network And Special Sensors (23 09 23 53-0361)</b>		
23 09 23 53-0421 EA 3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0).....	566.28	33.44
23 09 23 53-0422 EA 3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0).....	182.21	33.44
23 09 23 53-0423 EA 3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0).....	435.80	33.44
23 09 23 53-0424 EA 3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0).....	657.27	33.44
23 09 23 53-0425 EA 3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0).....	210.97	33.44
23 09 23 53-0426 EA 3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0).....	594.83	33.44
<b>23 09 23 53-0427 Sensors - Hard Wired Type (23 09 23 53-0361)</b>		
23 09 23 53-0428 EA Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00).....	167.84	60.20
23 09 23 53-0429 EA Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0).....	149.33	33.44
23 09 23 53-0430 EA BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2).....	438.35	15.68
23 09 23 53-0431 EA BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2).....	597.30	15.68
Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.		
23 09 23 53-0432 EA BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2).....	439.22	15.68
Note: For VVT systems.		
23 09 23 53-0433 EA BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2).....	580.64	33.44
23 09 23 53-0434 EA BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR).....	718.21	33.44
<b>23 09 23 53-0435 Melink Intelli-Hood IH3 Controls (23 09 23 53)</b>		
<b>23 09 23 53-0436 Kitchen Ventilation Controllers (23 09 23 53-0435)</b>		
23 09 23 53-0437 EA Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001).....	9,129.86	418.03
Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points. Includes 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.		
23 09 23 53-0438 EA Graphical User Interface (Melink Intelli-Hood 2KPD-3001).....	1,777.32	86.22
Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.		
23 09 23 53-0439 EA Hood Controller (Melink Intelli-Hood 2SEN-3001).....	2,821.82	348.01
Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.		
<b>23 09 23 53-0440 Kitchen Ventilation Sensors (23 09 23 53-0435)</b>		
23 09 23 53-0441 EA Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q).....	515.12	60.20
Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.		
23 09 23 53-0442 EA Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28).....	4,481.88	334.43
Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.		
<b>23 09 23 53-0443 Siemens Controls (23 09 23 53)</b>		
23 09 23 53-0444 EA Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083).....	422.60	15.68
23 09 23 53-0445 EA Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085).....	295.14	15.68
23 09 23 53-0446 EA SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575).....	293.11	70.60
23 09 23 53-0447 EA -0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591).....	455.83	70.60



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0448	EA	Spring Clip Mounting Kit For Thermostat (Siemens 182-685).....	72.00	10.45
23 09 23 53-0449	EA	Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001).....	240.02	104.51
23 09 23 53-0450	EA	3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012).....	394.78	18.45
23 09 23 53-0451	EA	1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079).....	696.07	33.49
23 09 23 53-0452	EA	1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203).....	1,410.82	33.49
23 09 23 53-0453	EA	1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006).....	1,189.32	42.43
23 09 23 53-0454	EA	36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36).....	296.79	60.20
23 09 23 53-0455	EA	-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768).....	254.76	33.44
23 09 23 53-0456	EA	Unit Conditioner Controller With Secure Mode (Siemens 540-110C).....	1,275.31	167.22
23 09 23 53-0457	EA	9-Pin, Female To RJ-11 Cable (Siemens 540-143).....	102.78	5.22
23 09 23 53-0458	EA	Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....	1,488.47	167.22
23 09 23 53-0459	EA	MMI Extension Cable (Siemens 545-712).....	179.13	5.22
23 09 23 53-0460	EA	Remote Pressure Transmitter (Siemens 547-003).....	1,380.35	33.44
23 09 23 53-0461	EA	Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400).....	892.04	83.60
23 09 23 53-0462	EA	BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	720.59	83.60
23 09 23 53-0463	EA	Door Lock And Key Assembly (Siemens 567-225).....	38.39	20.90
23 09 23 53-0464	EA	Insight Advanced Software Package (Siemens 571-010-381-USB)..... Note: Includes one user license and one sentinel key.	14,051.55	
23 09 23 53-0465	EA	BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	463.10	
23 09 23 53-0466	EA	Soft Controller Option For Insight Advanced Software Package (Siemens 571-620).....	3,068.73	
23 09 23 53-0467	EA	1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....	463.51	11.14
23 09 23 53-0468	EA	2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062).....	977.83	19.30
23 09 23 53-0469	EA	Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C).....	12,478.74	418.03
23 09 23 53-0470	EA	SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F).....	14,127.18	418.03
23 09 23 53-0471	EA	7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U).....	166.09	15.68
23 09 23 53-0472	EA	Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxillary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U).....	701.75	118.40
23 09 23 53-0473	EA	Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U).....	730.36	118.40
23 09 23 53-0474	EA	License To Enable 4 TX-I/O Modules On The Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A).....	4,096.10	
23 09 23 53-0475	EA	License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN).....	827.11	
23 09 23 53-0476	EA	License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A).....	2,661.98	
23 09 23 53-0477	EA	License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB).....	1,905.61	
23 09 23 53-0478	EA	License To Enable 4 TX-I/O Modules On The Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A).....	1,638.16	
23 09 23 53-0479	EA	License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP).....	4,843.12	
23 09 23 53-0480	EA	16-Switch HOA Upgrade Kit (Siemens PXA16-M).....	768.12	2.09
23 09 23 53-0481	EA	16-Switch HOA Upgrade Kit (Extended Temp. UL 916) With HMI Cable (Siemens PXA16-MR).....	857.49	8.36
23 09 23 53-0482	EA	8-Switch HOA Upgrade Kit (Siemens PXA8-M).....	433.47	2.09
23 09 23 53-0483	EA	18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18).....	451.85	20.90
23 09 23 53-0484	EA	19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19).....	773.05	20.90
23 09 23 53-0485	EA	34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34).....	1,055.13	20.90
23 09 23 53-0486	EA	Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5).....	36.38	10.45
23 09 23 53-0487	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA).....	962.86	52.25
23 09 23 53-0488	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA).....	1,422.50	52.25
23 09 23 53-0489	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA).....	1,132.20	52.25
23 09 23 53-0490	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA).....	1,616.06	52.25
23 09 23 53-0491	EA	PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A).....	6,944.57	585.25
23 09 23 53-0492	EA	PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	6,067.76	167.22
23 09 23 53-0493	EA	Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A).....	9,320.92	668.86
23 09 23 53-0494	EA	16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A).....	3,126.97	313.53
23 09 23 53-0495	EA	16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A).....	3,455.10	313.53
23 09 23 53-0496	EA	16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A).....	3,237.68	313.53
23 09 23 53-0497	EA	24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A).....	3,999.53	334.43
23 09 23 53-0498	EA	24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A).....	4,226.10	334.43
23 09 23 53-0499	EA	24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A).....	4,169.89	334.43
23 09 23 53-0500	EA	24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A).....	4,372.89	334.43
23 09 23 53-0501	EA	24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A).....	4,164.77	334.43
23 09 23 53-0502	EA	24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A).....	4,371.51	334.43
23 09 23 53-0503	EA	36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A).....	6,439.45	585.25
23 09 23 53-0504	EA	36 Point, BACnet/IP or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A).....	10,471.04	668.86
23 09 23 53-0505	EA	License To Enable The Island Bus On PXC00-E96.A And PXC00-PE96.A (Siemens PXF-TXIO.A).....	1,228.86	
23 09 23 53-0506	EA	Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S).....	640.27	41.81
23 09 23 53-0507	EA	Controller Mounted Operator Display Module (Siemens PXM10T).....	716.59	83.60
23 09 23 53-0508	EA	Provides FLN Support For The PXC Modular (Siemens PXX-485.3)..... Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported	800.83	20.90
23 09 23 53-0509	EA	Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN).....	367.95	60.20

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 09 23 53-0510	EA	Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC).....	259.63	33.44
23 09 23 53-0511	EA	4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010).....	159.51	33.44
23 09 23 53-0512	EA	8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020).....	192.47	60.20
23 09 23 53-0513	EA	24" Flexible Averaging Probe (Siemens QAM2012.750).....	329.11	60.20
23 09 23 53-0514	EA	2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200).....	251.82	60.20
23 09 23 53-0515	EA	10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X).....	3,239.81	336.73
23 09 23 53-0516	EA	Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12).....	32.91	10.45
23 09 23 53-0517	EA	Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100).....	0.80	
23 09 23 53-0518	EA	16 Digital Input Module (Siemens TXM1.16D).....	632.39	10.45
23 09 23 53-0519	EA	6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M).....	945.46	10.45
23 09 23 53-0520	EA	8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML).....	1,504.15	20.90
23 09 23 53-0521	EA	1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4).....	521.64	33.44

**23 09 23 53-0522 Trane Controls (23 09 23 53)****23 09 23 53-0523 Software (23 09 23 53-0522)**

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0524	EA	Summit + Building Management Package (Trane 40201152).....	6,960.54	
23 09 23 53-0525	EA	Summit Current Version Software (Trane 40201111).....	3,915.84	
23 09 23 53-0526	EA	Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113).....	954.40	
23 09 23 53-0527	EA	Rover Service Software And Hardware, Complete Kit (Trane X1365150001).....	3,891.92	
23 09 23 53-0528	EA	Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMS000AAA011000).....	10,817.45	

**23 09 23 53-0529 EMCS Central Equipment And Controllers (23 09 23 53-0522)**

23 09 23 53-0530	EA	Summit BTMX Operator Display Upgrade (Trane 40201224).....	5,691.39	418.03
23 09 23 53-0531	EA	Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531).....	13,437.13	418.03
23 09 23 53-0532	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532).....	13,437.13	418.03
23 09 23 53-0533	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00).....	11,755.26	418.03
23 09 23 53-0534	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10).....	13,710.75	418.03
23 09 23 53-0535	EA	Summit CCP Upgrade ROM Kit (Trane 40201095).....	201.87	26.13
23 09 23 53-0536	EA	Summit Comm5 Repeater (Trane 49500457).....	1,553.81	209.02
23 09 23 53-0537	EA	AHU Controller MP580/581 E Board Only (Trane 40201157).....	2,684.71	261.27
23 09 23 53-0538	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01).....	3,455.09	313.53
23 09 23 53-0539	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00).....	2,677.92	313.53
23 09 23 53-0540	EA	AHU Controller MP581 Operator Door Display (Trane 40201156).....	2,239.44	313.53
23 09 23 53-0541	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491).....	2,237.01	313.53
23 09 23 53-0542	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590).....	1,026.86	104.51
23 09 23 53-0543	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490).....	930.25	104.51
23 09 23 53-0544	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500).....	1,667.40	209.02
23 09 23 53-0545	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499).....	1,587.28	209.02
23 09 23 53-0546	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569).....	894.86	104.51
23 09 23 53-0547	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469).....	778.54	104.51
23 09 23 53-0548	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596).....	1,181.11	104.51
23 09 23 53-0549	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496).....	1,065.41	104.51
23 09 23 53-0550	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049).....	905.22	104.51
23 09 23 53-0551	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496).....	860.79	104.51
23 09 23 53-0552	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570).....	997.21	104.51
23 09 23 53-0553	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470).....	905.22	104.51
23 09 23 53-0554	EA	DDC VAV Retrofit Kit (Trane VRTODD01).....	1,229.65	209.02
23 09 23 53-0555	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO).....	1,344.06	209.02

**23 09 23 53-0556 Network, VAV And Special Sensors (23 09 23 53-0522)**

23 09 23 53-0557	EA	Digital Display Zone Sensor (Trane X13790464010).....	215.41	33.44
23 09 23 53-0558	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010).....	140.48	33.44
23 09 23 53-0559	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010).....	127.84	33.44
23 09 23 53-0560	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01).....	266.49	37.63
23 09 23 53-0561	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121).....	157.75	33.44
23 09 23 53-0562	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120).....	157.75	33.44
23 09 23 53-0563	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010).....	566.68	60.20
23 09 23 53-0564	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010).....	525.07	33.44
23 09 23 53-0565	EA	Transformer 120/24 40 VA (Trane X13550284010).....	121.52	33.44
23 09 23 53-0566	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005).....	117.00	33.44
23 09 23 53-0567	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022).....	109.78	33.44
23 09 23 53-0568	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010).....	1,390.90	209.02
23 09 23 53-0569	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010).....	1,329.17	209.02
23 09 23 53-0570	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010).....	1,200.37	209.02
23 09 23 53-0571	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010).....	2,167.94	313.53
23 09 23 53-0572	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010).....	1,200.37	209.02
23 09 23 53-0573	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011).....	1,265.71	209.02
23 09 23 53-0574	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011).....	1,270.79	209.02
23 09 23 53-0575	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898).....	447.68	208.13
23 09 23 53-0576	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801).....	665.11	208.13
23 09 23 53-0577	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011).....	2,441.49	313.53
23 09 23 53-0578	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010).....	2,342.18	313.53
23 09 23 53-0579	EA	Controller UC600 TD7 Mounting Bracket (Trane X05010511010).....	144.09	41.65
23 09 23 53-0580	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010).....	535.85	41.65
23 09 23 53-0581	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010).....	2,502.88	313.53





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0582 EA BACnet Term (2 Pack) (Trane X1365152401).....	227.09	74.93
23 09 23 53-0583 EA Tracer ES Add License (Trane X40250125010).....	2,984.82	
23 09 23 53-0584 EA Kit - Tracer TU For Controls (Trane X4509151201).....	4,655.00	418.03
23 09 23 53-0585 EA Kit - Tracer TU Complete (Trane X4509151301).....	6,168.09	418.03
23 09 23 53-0586 EA Tracer TU Adapter Wired/Wireless (Trane X13651529010).....	609.88	74.93
23 09 23 53-0587 EA Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010).....	343.55	74.93
23 09 23 53-0588 EA Sensor Wireless Display Sensor ( Trane X13790822010).....	390.50	74.93
23 09 23 53-0589 EA Sensor Wireless Receiver, 100mW (Trane X13790854010).....	348.07	74.93
23 09 23 53-0590 EA Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010).....	477.95	74.93
23 09 23 53-0591 EA Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010).....	522.17	74.93
<b>23 09 23 53-0592</b>	<b>Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators</b> <small>(23 09 23 53)</small>	
<b>23 09 23 53-0593</b>	<b>Current Switches And Current Sensors</b> <small>(23 09 23 53-0592)</small>	
23 09 23 53-0594 EA Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203).....	130.55	33.44
23 09 23 53-0595 EA Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205).....	135.96	33.44
23 09 23 53-0596 EA 0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L).....	215.41	33.44
23 09 23 53-0597 EA 0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24).....	123.32	33.44
23 09 23 53-0598 EA 0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA).....	399.58	33.44
23 09 23 53-0599 EA 0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC).....	251.29	33.44
23 09 23 53-0600 EA 1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709).....	189.39	33.44
23 09 23 53-0601 EA 0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721).....	189.39	33.44
23 09 23 53-0602 EA Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC).....	5,295.79	167.22
23 09 23 53-0603 EA 100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2).....	1,348.78	33.44
	Note: 3 phase networked transducer.	
23 09 23 53-0604 EA 2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3).....	2,055.32	33.44
23 09 23 53-0605 EA Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV).....	203.93	33.44
23 09 23 53-0606 EA Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800).....	293.11	88.84
23 09 23 53-0607 EA Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900).....	293.54	88.84
23 09 23 53-0608 EA Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708).....	315.21	88.84
23 09 23 53-0609 EA Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908).....	320.62	88.84
23 09 23 53-0610 EA Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904).....	351.32	88.84
23 09 23 53-0611 EA Toggle Switch.....	118.24	41.81
23 09 23 53-0612 EA Maintained Pushbutton Switch.....	127.08	41.81
23 09 23 53-0613 EA Manual Time Switch.....	210.48	41.81
23 09 23 53-0614 EA Emergency Stop Switch.....	359.60	41.81
23 09 23 53-0615 EA Float Switch.....	334.61	41.81
23 09 23 53-0616 EA Break Glass Switch.....	1,137.77	41.81
23 09 23 53-0617 EA Boiler E-Stop Switch.....	673.12	41.81
<b>23 09 23 53-0618</b>	<b>Relays</b> <small>(23 09 23 53-0592)</small>	
23 09 23 53-0619 EA DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V).....	106.17	33.44
23 09 23 53-0620 EA SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1).....	117.27	33.44
23 09 23 53-0621 EA SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B).....	167.45	41.81
	Note: Box type.	
23 09 23 53-0622 EA Motor Starter Interface, 300msec Pulse (Kele PIL-2).....	216.89	33.44
23 09 23 53-0623 EA DP Relay Socket, DIN Rail Mounted (Kele SH2B-05).....	98.12	33.44
23 09 23 53-0624 EA SP Relay Socket, DIN Rail Mounted (Kele SH1B-05).....	96.49	33.44
23 09 23 53-0625 EA SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V).....	106.17	33.44
23 09 23 53-0626 EA DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V).....	111.24	33.44
23 09 23 53-0627 EA SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V).....	112.63	33.44
23 09 23 53-0628 EA SPDT Pilot Relay, Universal (Kele RIBU1C).....	120.67	41.81
	Note: Box type.	
23 09 23 53-0629 EA SPST Pilot Relay With HOA Switch (Kele RIBU1S).....	165.99	41.81
	Note: Box type.	
23 09 23 53-0630 EA SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400).....	305.76	41.81
23 09 23 53-0631 EA SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450).....	303.76	41.81
<b>23 09 23 53-0632</b>	<b>Transformers</b> <small>(23 09 23 53-0592)</small>	
23 09 23 53-0633 EA 50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA).....	129.35	33.44
23 09 23 53-0634 EA 75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB).....	141.96	33.44
23 09 23 53-0635 EA 75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA).....	141.96	33.44
23 09 23 53-0636 EA 100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB).....	153.37	33.44
23 09 23 53-0637 EA 100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA).....	160.39	33.44
<b>23 09 23 53-0638</b>	<b>Power Supplies</b> <small>(23 09 23 53-0592)</small>	
23 09 23 53-0639 EA Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA).....	200.26	33.44
23 09 23 53-0640 EA AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2).....	235.23	33.44
23 09 23 53-0641 EA DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524).....	219.47	33.44
23 09 23 53-0642 EA DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D).....	226.93	33.44
23 09 23 53-0643 EA DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H).....	220.28	33.44
23 09 23 53-0644 EA DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P).....	231.41	33.44
23 09 23 53-0645 EA DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C).....	170.20	33.44

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 09 23	53-0646	<b>Control Damper Actuators</b> <small>(23 09 23 53-0592)</small>			
23 09 23	53-0647	EA 44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR).....	565.61		118.57
23 09 23	53-0648	EA 90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR).....	605.17		118.57
23 09 23	53-0649	EA 90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP).....	669.99		118.57
23 09 23	53-0650	EA 175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR).....	700.96		118.57
23 09 23	53-0651	EA 90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR).....	719.34		118.57
23 09 23	53-0652	EA 360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR).....	791.61		118.57
23 09 43	<b>Pneumatic Control System For HVAC</b> <small>(23 09)</small>				
23 09 43	00-0001	<b>Pneumatic Tubing For HVAC Instrumentation and Control Devices</b> <small>(23 09 43)</small>			
23 09 43	00-0002	<b>Polyurethane Pneumatic Tubing</b> <small>(23 09 43 00-0001)</small>			
23 09 43	00-0003	LF 1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing.....	2.27		0.88
23 09 43	00-0004	LF 5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	2.90		0.90
23 09 43	00-0005	LF 3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	3.81		0.93
23 09 43	00-0006	LF 1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	4.86		0.96
23 09 43	00-0007	<b>Fire Resistant Polyethylene Pneumatic Tubing</b> <small>(23 09 43 00-0001)</small>			
23 09 43	00-0008	LF 1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	2.02		0.88
23 09 43	00-0009	LF 5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	2.17		0.90
23 09 43	00-0010	LF 3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	2.49		0.93
23 09 43	00-0011	LF 1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	3.12		0.96
23 09 43	00-0012	<b>Nylon Pneumatic Tubing</b> <small>(23 09 43 00-0001)</small>			
23 09 43	00-0013	LF 1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing.....	2.40		0.85
23 09 43	00-0014	LF 1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing.....	3.21		0.88
23 09 43	00-0015	LF 3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing.....	4.88		0.93
23 09 43	00-0016	LF 1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing.....	6.29		0.96
23 09 43	00-0017	<b>Flexible Vinyl Pneumatic Tubing</b> <small>(23 09 43 00-0001)</small>			
23 09 43	00-0018	LF 1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	2.35		0.88
23 09 43	00-0019	LF 3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	3.84		0.93
23 09 43	00-0020	LF 1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	4.64		0.96
23 09 43	00-0021	LF 5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	5.68		0.98
23 09 43	00-0022	LF 3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	6.44		1.01
23 09 43	00-0023	LF 1" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	8.86		1.04
23 09 43	00-0024	<b>Braided Vinyl Pneumatic Tubing</b> <small>(23 09 43 00-0001)</small>			
23 09 43	00-0025	LF 5/8" Outside Diameter Braided Vinyl Pneumatic Tubing.....	3.20		0.98
23 09 43	00-0026	LF 3/4" Outside Diameter Braided Vinyl Pneumatic Tubing.....	3.73		1.01
23 09 43	00-0027	LF 1" Outside Diameter Braided Vinyl Pneumatic Tubing.....	4.69		1.04
23 09 43	00-0028	<b>Copper Pneumatic Tubing</b> <small>(23 09 43 00-0001)</small>			
23 09 43	00-0029	LF 1/4" Outside Diameter Copper Pneumatic Tubing.....	5.16		1.89
23 09 43	00-0030	LF 3/8" Outside Diameter Copper Pneumatic Tubing.....	6.35		2.18
23 09 43	00-0031	LF 1/2" Outside Diameter Copper Pneumatic Tubing.....	7.39		2.50
23 09 43	00-0032	LF 5/8" Outside Diameter Copper Pneumatic Tubing.....	9.24		2.88
23 09 43	00-0033	LF 3/4" Outside Diameter Copper Pneumatic Tubing.....	10.50		3.31
23 09 43	00-0034	<b>Brass Couplings</b> <small>(23 09 43 00-0001)</small>			
23 09 43	00-0035	<b>Straight Brass Couplings</b> <small>(23 09 43 00-0034)</small>			
		Note: Barb x Barb			
23 09 43	00-0036	EA 1/4" x 1/4" Straight Brass Coupling.....	10.25		4.78
23 09 43	00-0037	EA 3/8" x 1/4" Straight Brass Coupling.....	10.37		4.78
23 09 43	00-0038	EA 3/8" x 3/8" Straight Brass Coupling.....	10.48		4.78
23 09 43	00-0039	<b>Elbow Brass Couplings</b> <small>(23 09 43 00-0034)</small>			
		Note: Barb x Barb			
23 09 43	00-0040	EA 1/4" x 1/4" Elbow Brass Coupling.....	10.90		4.78
23 09 43	00-0041	EA 3/8" x 3/8" Elbow Brass Coupling.....	11.29		4.78
23 09 43	00-0042	<b>Tee Brass Couplings</b> <small>(23 09 43 00-0034)</small>			
		Note: Barb x Barb			
23 09 43	00-0043	EA 1/4" x 1/4" x 1/4" Tee Brass Coupling.....	16.63		7.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 43 00-0044 EA 3/8" x 3/8" x 1/4" Tee Brass Coupling.....	19.10	7.95
23 09 43 00-0045 EA 3/8" x 3/8" x 3/8" Tee Brass Coupling.....	18.68	7.95

## 23 10 Facility Fuel Systems <sup>(23)</sup>

### 23 11 Facility Fuel Piping <sup>(23 10)</sup>

#### 23 11 23 Facility Natural-Gas Piping <sup>(23 11)</sup>

##### 23 11 23 00-0001 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping <sup>(23 11 23)</sup>

##### 23 11 23 00-0002 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <sup>(23 11 23 00-0001)</sup>

Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.

23 11 23 00-0003 LF 3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	5.61	1.86
23 11 23 00-0004 LF 1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	6.16	2.02
23 11 23 00-0005 LF 3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	7.37	2.18
23 11 23 00-0006 LF 1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	9.29	2.31
23 11 23 00-0007 LF 1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	10.93	2.42
23 11 23 00-0008 LF 1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	16.56	2.52
23 11 23 00-0009 LF 2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	22.40	2.68

##### 23 11 23 00-0010 Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <sup>(23 11 23 00-0001)</sup>

##### 23 11 23 00-0011 Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <sup>(23 11 23 00-0010)</sup>

23 11 23 00-0012 EA 3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	26.80
23 11 23 00-0013 EA 3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	26.80
23 11 23 00-0014 EA 1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	28.72
23 11 23 00-0015 EA 1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	28.72
23 11 23 00-0016 EA 3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.46
23 11 23 00-0017 EA 1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	47.23
23 11 23 00-0018 EA 1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	47.23
23 11 23 00-0019 EA 1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	79.82
23 11 23 00-0020 EA 1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	145.56
23 11 23 00-0021 EA 2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	235.28

##### 23 11 23 00-0022 Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <sup>(23 11 23 00-0010)</sup>

23 11 23 00-0023 EA 3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	25.97
23 11 23 00-0024 EA 1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	28.72
23 11 23 00-0025 EA 1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	28.72
23 11 23 00-0026 EA 3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.46
23 11 23 00-0027 EA 3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.46
23 11 23 00-0028 EA 1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.18
23 11 23 00-0029 EA 1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.18

##### 23 11 23 00-0030 Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <sup>(23 11 23 00-0010)</sup>

23 11 23 00-0031 EA 3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.96
23 11 23 00-0032 EA 1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.93

##### 23 11 23 00-0033 Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <sup>(23 11 23 00-0010)</sup>

23 11 23 00-0034 EA 3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	35.84
23 11 23 00-0035 EA 1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	39.74
23 11 23 00-0036 EA 3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	49.79
23 11 23 00-0037 EA 1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	71.13
23 11 23 00-0038 EA 1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	132.67
23 11 23 00-0039 EA 1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	258.35
23 11 23 00-0040 EA 2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	428.56

##### 23 11 23 00-0041 Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <sup>(23 11 23 00-0010)</sup>

23 11 23 00-0042 EA 1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	49.59
23 11 23 00-0043 EA 3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	79.42

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0044 EA 1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	125.42	
23 11 23 00-0045 EA 1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	215.27	
23 11 23 00-0046 EA 1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	231.43	
23 11 23 00-0047 EA 2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	265.63	
<b>23 11 23 00-0048 Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0049 EA 3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.22	
23 11 23 00-0050 EA 1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	33.33	
23 11 23 00-0051 EA 3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.25	
23 11 23 00-0052 EA 1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	48.59	
23 11 23 00-0053 EA 1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	49.29	
<b>23 11 23 00-0054 Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0055 EA 3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	35.47	
23 11 23 00-0056 EA 1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.44	
23 11 23 00-0057 EA 3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	42.84	
23 11 23 00-0058 EA 1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	50.43	
23 11 23 00-0059 EA 1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	50.43	
<b>23 11 23 00-0060 Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0061 EA 3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	56.01	
23 11 23 00-0062 EA 1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	57.44	
23 11 23 00-0063 EA 3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	60.22	
23 11 23 00-0064 EA 1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	95.13	
23 11 23 00-0065 EA 1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	98.74	
23 11 23 00-0066 EA 1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	141.97	
23 11 23 00-0067 EA 2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	176.31	
<b>23 11 23 00-0068 Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0069 EA 3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	59.15	
23 11 23 00-0070 EA 1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	60.52	
23 11 23 00-0071 EA 3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	66.69	
23 11 23 00-0072 EA 1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	119.87	
23 11 23 00-0073 EA 1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	123.69	
23 11 23 00-0074 EA 1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	169.78	
23 11 23 00-0075 EA 2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	213.99	
<b>23 11 23 00-0076 Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0077 EA 1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.18	
23 11 23 00-0078 EA 3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.89	
23 11 23 00-0079 EA 1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	55.83	
23 11 23 00-0080 EA 1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	85.65	
23 11 23 00-0081 EA 1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	165.86	
23 11 23 00-0082 EA 2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	263.71	
<b>23 11 23 00-0083 Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
Note: Includes mounting plate.		
23 11 23 00-0084 EA 1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.50	
23 11 23 00-0085 EA 3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.15	
23 11 23 00-0086 EA 1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.53	
23 11 23 00-0087 EA 1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.63	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 11 23 00-0088	EA		3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	30.90	
	23 11 23 00-0089	EA		1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	36.67	
	23 11 23 00-0090	EA		1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	44.07	
<b>23 11 23 00-0091</b>				<b>Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
				Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
	23 11 23 00-0092	EA		1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	83.23	19.53
	23 11 23 00-0093	EA		3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	93.97	20.50
<b>23 11 23 00-0094</b>				<b>Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
	23 11 23 00-0095	EA		3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	59.82	17.09
	23 11 23 00-0096	EA		1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	69.62	20.31
	23 11 23 00-0097	EA		3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	85.41	24.42
	23 11 23 00-0098	EA		1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	106.92	32.61
<b>23 11 23 00-0099</b>				<b>Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
				Note: Includes mounting hardware.		
	23 11 23 00-0100	EA		1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	73.45	20.31
	23 11 23 00-0101	EA		3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	83.40	24.42
	23 11 23 00-0102	EA		1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	78.63	20.31
	23 11 23 00-0103	EA		3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	86.76	24.42
	23 11 23 00-0104	EA		2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	165.95	61.03
<b>23 11 23 00-0105</b>				<b>Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
	23 11 23 00-0106	EA		1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	77.64	20.31
	23 11 23 00-0107	EA		1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	77.64	20.31
	23 11 23 00-0108	EA		1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	108.60	20.31
	23 11 23 00-0109	EA		3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	116.73	24.42
	23 11 23 00-0110	EA		3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	116.73	24.42
	23 11 23 00-0111	EA		1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	133.00	32.61
	23 11 23 00-0112	EA		1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	198.51	36.61
	23 11 23 00-0113	EA		1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	103.12	20.31
	23 11 23 00-0114	EA		3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	256.94	24.42
	23 11 23 00-0115	EA		1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	624.05	36.61
<b>23 11 23 00-0116</b>				<b>Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft)</b> <small>(23 11 23)</small>		
<b>23 11 23 00-0117</b>				<b>3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
	23 11 23 00-0118	EA		12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12).....	46.41	14.65
	23 11 23 00-0119	EA		18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18).....	51.50	15.62
	23 11 23 00-0120	EA		24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24).....	56.37	15.62
	23 11 23 00-0121	EA		30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30).....	59.32	16.60
	23 11 23 00-0122	EA		36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36).....	63.16	16.60
	23 11 23 00-0123	EA		48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48).....	72.18	17.57
	23 11 23 00-0124	EA		60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60).....	80.35	17.57
	23 11 23 00-0125	EA		72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72).....	88.41	18.55
<b>23 11 23 00-0126</b>				<b>3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
	23 11 23 00-0127	EA		12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12).....	46.41	14.65
	23 11 23 00-0128	EA		18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18).....	51.50	15.62
	23 11 23 00-0129	EA		24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24).....	56.37	15.62

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0130 EA 30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30).....	59.32	16.60
23 11 23 00-0131 EA 36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36).....	63.16	16.60
23 11 23 00-0132 EA 48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48).....	72.18	17.57
23 11 23 00-0133 EA 60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60).....	80.35	17.57
23 11 23 00-0134 EA 72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72).....	88.41	18.55
<b>23 11 23 00-0135 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0136 EA 12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12).....	46.41	14.65
23 11 23 00-0137 EA 18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18).....	51.50	15.62
23 11 23 00-0138 EA 24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24).....	56.37	15.62
23 11 23 00-0139 EA 30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30).....	59.32	16.60
23 11 23 00-0140 EA 36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36).....	63.16	16.60
23 11 23 00-0141 EA 48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48).....	72.18	17.57
23 11 23 00-0142 EA 60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60).....	80.35	17.57
23 11 23 00-0143 EA 72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72).....	88.41	18.55
<b>23 11 23 00-0144 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0145 EA 12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12).....	46.41	14.65
23 11 23 00-0146 EA 18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18).....	51.50	15.62
23 11 23 00-0147 EA 24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24).....	69.37	15.62
23 11 23 00-0148 EA 30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30).....	59.32	16.60
23 11 23 00-0149 EA 36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36).....	63.16	16.60
23 11 23 00-0150 EA 48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48).....	72.18	17.57
23 11 23 00-0151 EA 60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60).....	80.35	17.57
23 11 23 00-0152 EA 72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72).....	88.41	18.55
<b>23 11 23 00-0153 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0154 EA 12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12).....	51.42	14.65
23 11 23 00-0155 EA 18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18).....	57.72	15.62
23 11 23 00-0156 EA 24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24).....	56.37	15.62
23 11 23 00-0157 EA 30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30).....	67.26	16.60
23 11 23 00-0158 EA 36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36).....	63.16	16.60
23 11 23 00-0159 EA 48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48).....	72.18	17.57
23 11 23 00-0160 EA 60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60).....	80.35	17.57
23 11 23 00-0161 EA 72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72).....	88.41	18.55
<b>23 11 23 00-0162 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0163 EA 12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12).....	46.41	14.65
23 11 23 00-0164 EA 24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24).....	63.73	15.62
23 11 23 00-0165 EA 30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30).....	59.32	16.60
23 11 23 00-0166 EA 36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36).....	63.16	16.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0167 EA 48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48).....	72.18	17.57
23 11 23 00-0168 EA 60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60).....	93.60	17.57
23 11 23 00-0169 EA 72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72).....	88.41	18.55
<b>23 11 23 00-0170 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		
23 11 23 00-0171 EA 12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12).....	46.41	14.65
23 11 23 00-0172 EA 18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18).....	51.50	15.62
23 11 23 00-0173 EA 24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24).....	56.37	15.62
23 11 23 00-0174 EA 30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30).....	59.32	16.60
23 11 23 00-0175 EA 36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36).....	63.16	16.60
23 11 23 00-0176 EA 48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48).....	72.18	17.57
23 11 23 00-0177 EA 60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60).....	80.35	17.57
23 11 23 00-0178 EA 72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72).....	88.41	18.55
<b>23 11 23 00-0179 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		
23 11 23 00-0180 EA 12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12).....	46.41	14.65
23 11 23 00-0181 EA 18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18).....	51.50	15.62
23 11 23 00-0182 EA 24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24).....	56.37	15.62
23 11 23 00-0183 EA 30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30).....	59.32	16.60
23 11 23 00-0184 EA 36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36).....	63.16	16.60
23 11 23 00-0185 EA 48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48).....	72.18	17.57
23 11 23 00-0186 EA 60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60).....	80.35	17.57
23 11 23 00-0187 EA 72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72).....	88.41	18.55
<b>23 11 23 00-0188 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		
23 11 23 00-0189 EA 18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18).....	57.72	15.62
23 11 23 00-0190 EA 24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24).....	56.37	15.62
23 11 23 00-0191 EA 30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30).....	67.26	16.60
23 11 23 00-0192 EA 36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36).....	71.95	16.60
23 11 23 00-0193 EA 48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48).....	83.34	17.57
<b>23 11 23 00-0194 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		
23 11 23 00-0195 EA 12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12).....	46.41	14.65
23 11 23 00-0196 EA 18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18).....	51.50	15.62
23 11 23 00-0197 EA 24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24).....	51.16	15.62
23 11 23 00-0198 EA 30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30).....	59.32	16.60
23 11 23 00-0199 EA 36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36).....	56.94	16.60
23 11 23 00-0200 EA 48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48).....	74.08	17.57
23 11 23 00-0201 EA 60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60).....	80.35	17.57
23 11 23 00-0202 EA 72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72).....	88.41	18.55

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 11 23 00-0203</b> 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0204 EA 12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12).....	46.41	14.65
23 11 23 00-0205 EA 18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18).....	47.26	15.62
23 11 23 00-0206 EA 24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24).....	48.29	15.62
23 11 23 00-0207 EA 30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30).....	59.32	16.60
23 11 23 00-0208 EA 36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36).....	63.16	16.60
23 11 23 00-0209 EA 48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48).....	64.06	17.57
23 11 23 00-0210 EA 60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60).....	80.35	17.57
23 11 23 00-0211 EA 72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72).....	88.41	18.55
<b>23 11 23 00-0212</b> 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0213 EA 12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12).....	46.41	14.65
23 11 23 00-0214 EA 18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18).....	51.50	15.62
23 11 23 00-0215 EA 24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24).....	56.37	15.62
23 11 23 00-0216 EA 30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30).....	59.32	16.60
23 11 23 00-0217 EA 36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36).....	52.62	16.60
23 11 23 00-0218 EA 48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48).....	72.18	17.57
23 11 23 00-0219 EA 60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60).....	80.35	17.57
23 11 23 00-0220 EA 72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72).....	88.41	18.55
<b>23 11 23 00-0221</b> 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0222 EA 12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12).....	64.26	14.65
23 11 23 00-0223 EA 18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18).....	69.31	15.62
23 11 23 00-0224 EA 24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24).....	74.18	15.62
23 11 23 00-0225 EA 30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30).....	77.11	16.60
23 11 23 00-0226 EA 36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36).....	81.12	16.60
23 11 23 00-0227 EA 48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48).....	89.58	17.57
23 11 23 00-0228 EA 60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60).....	98.47	17.57
23 11 23 00-0229 EA 72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72).....	106.56	18.55
<b>23 11 23 00-0230</b> 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0231 EA 12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12).....	74.02	19.53
23 11 23 00-0232 EA 18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18).....	79.07	20.50
23 11 23 00-0233 EA 24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24).....	83.94	20.50
23 11 23 00-0234 EA 30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30).....	86.88	21.48
23 11 23 00-0235 EA 36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36).....	90.88	21.48
23 11 23 00-0236 EA 48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48).....	99.35	22.46
23 11 23 00-0237 EA 60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60).....	108.24	22.46
23 11 23 00-0238 EA 72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72).....	116.32	23.44





		MINOR CSI	UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0239			<b>3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>			
23 11 23 00-0240	EA		12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)		74.02	19.53
23 11 23 00-0241	EA		18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)		79.07	20.50
23 11 23 00-0242	EA		24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)		83.94	20.50
23 11 23 00-0243	EA		30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)		86.88	21.48
23 11 23 00-0244	EA		36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)		90.88	21.48
23 11 23 00-0245	EA		48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)		99.35	22.46
23 11 23 00-0246	EA		60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)		108.24	22.46
23 11 23 00-0247	EA		72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72)		116.32	23.44
23 11 23 00-0248			<b>3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>			
23 11 23 00-0249	EA		12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)		88.52	19.53
23 11 23 00-0250	EA		18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)		93.58	20.50
23 11 23 00-0251	EA		24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)		98.45	20.50
23 11 23 00-0252	EA		30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)		101.39	21.48
23 11 23 00-0253	EA		36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)		105.41	21.48
23 11 23 00-0254	EA		48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)		113.87	22.46
23 11 23 00-0255	EA		60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)		122.76	22.46
23 11 23 00-0256			<b>3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>			
23 11 23 00-0257	EA		12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12)		88.52	19.53
23 11 23 00-0258	EA		18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18)		93.58	20.50
23 11 23 00-0259	EA		24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24)		98.45	20.50
23 11 23 00-0260	EA		36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36)		105.41	21.48
23 11 23 00-0261	EA		48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48)		113.87	22.46
23 11 23 00-0262	EA		60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60)		122.76	22.46
23 11 23 00-0263			<b>1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>			
23 11 23 00-0264	EA		12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12)		88.52	19.53
23 11 23 00-0265	EA		18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18)		93.58	20.50
23 11 23 00-0266	EA		24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24)		98.45	20.50
23 11 23 00-0267	EA		30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30)		101.39	21.48
23 11 23 00-0268	EA		36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36)		105.41	21.48
23 11 23 00-0269	EA		48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48)		113.87	22.46
23 11 23 00-0270	EA		60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60)		122.76	22.46
23 11 23 00-0271	EA		72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72)		130.83	23.44
23 11 23 00-0272			<b>1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>			
23 11 23 00-0273	EA		12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12)		70.19	19.53
23 11 23 00-0274	EA		18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18)		75.27	20.50

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0275	EA		24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24).....	80.16	20.50
23 11 23 00-0276	EA		30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30).....	83.06	21.48
23 11 23 00-0277	EA		36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36).....	87.08	21.48
23 11 23 00-0278	EA		48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48).....	95.52	22.46
23 11 23 00-0279	EA		72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72).....	112.46	23.44
<b>23 11 23 00-0280</b>			<b>1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0281	EA		18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18).....	85.59	20.50
23 11 23 00-0282	EA		24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24).....	91.62	20.50
<b>23 11 23 00-0283</b>			<b>Quarter-Turn, Gas Ball Valve (23 11 23)</b>		
23 11 23 00-0284	EA		3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102).....	40.96	10.39
23 11 23 00-0285	EA		1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103).....	40.55	10.60
23 11 23 00-0286	EA		3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104).....	59.27	11.67
23 11 23 00-0287	EA		3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112).....	40.52	10.39
23 11 23 00-0288	EA		1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113).....	42.63	10.60
23 11 23 00-0289	EA		1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118).....	48.77	10.60
23 11 23 00-0290	EA		5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121).....	52.12	11.13
23 11 23 00-0291	EA		5/8" (7/8"-14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114).....	55.25	11.13
23 11 23 00-0292	EA		5/8" (15/16"-16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115).....	55.25	11.13
23 11 23 00-0293	EA		3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312).....	42.86	10.39
23 11 23 00-0294	EA		1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313).....	44.97	10.60
23 11 23 00-0295	EA		5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314).....	56.90	11.13
23 11 23 00-0296	EA		1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413).....	45.28	10.60
23 11 23 00-0297	EA		3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414).....	61.03	11.67
23 11 23 00-0298	EA		3/8" (9/16"-24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119).....	42.74	10.39
23 11 23 00-0299	EA		3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612).....	40.21	10.39
23 11 23 00-0300	EA		1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613).....	40.53	10.60
23 11 23 00-0301	EA		3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614).....	55.90	11.67
23 11 23 00-0302	EA		1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615).....	77.45	13.25
23 11 23 00-0303	EA		1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616).....	113.69	13.78
23 11 23 00-0304	EA		1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617).....	135.90	15.90
23 11 23 00-0305	EA		2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618).....	168.97	19.08
23 11 23 00-0306	EA		1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713).....	41.89	10.60
23 11 23 00-0307	EA		3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714).....	55.49	11.67
<b>23 11 23 00-0308</b>			<b>Gas Stops (23 11 23)</b>		
<b>23 11 23 00-0309</b>			<b>Brass/Bronze Gas Stops (23 11 23 00-0308)</b>		
			Note: Flat or square head		
23 11 23 00-0310	EA		3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	48.81	10.60
23 11 23 00-0311	EA		1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	48.81	10.60
23 11 23 00-0312	EA		3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	64.02	11.67
23 11 23 00-0313	EA		1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	90.33	13.25
23 11 23 00-0314	EA		1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	120.29	14.11
23 11 23 00-0315	EA		1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	151.83	16.33
23 11 23 00-0316	EA		2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	211.15	19.29
<b>23 11 23 00-0317</b>			<b>Iron Body Gas Stops (23 11 23 00-0308)</b>		
23 11 23 00-0318	EA		1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	66.21	10.60
23 11 23 00-0319	EA		3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	81.13	11.67
23 11 23 00-0320	EA		1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	100.65	13.25
23 11 23 00-0321	EA		1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	130.32	14.11
23 11 23 00-0322	EA		1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	164.42	16.33
23 11 23 00-0323	EA		2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	214.01	19.29
23 11 23 00-0324	EA		2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	417.22	26.07
23 11 23 00-0325	EA		3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	560.82	30.27
<b>23 11 23 00-0326</b>			<b>Bronze Body Solenoid Valves, 150 PSI Gas (23 11 23)</b>		
23 11 23 00-0327	EA		1/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	171.50	10.60
23 11 23 00-0328	EA		1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	200.03	10.60
23 11 23 00-0329	EA		3/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	254.61	11.67
23 11 23 00-0330	EA		1" Solenoid Valve, Bronze, 150 PSI, Gas.....	382.41	13.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0331 EA 1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	684.53	16.33
23 11 23 00-0332 EA 2" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,166.54	19.29
23 11 23 00-0333 EA 2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,444.85	26.07
23 11 23 00-0334 EA 3" Solenoid Valve, Bronze, 150 PSI, Gas.....	2,178.72	30.27
<b>23 11 26 Facility Liquefied-Petroleum Gas Piping (23 11)</b>		
<b>23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings (23 11 26)</b>		
<b>23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe (23 11 26 00-0001)</b>		
Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (add modifier for use as inner pipe).		
23 11 26 00-0003 LF 2" Fiberglass Reinforced Plastic Pipe.....	18.50	7.03
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-7.88	
23 11 26 00-0004 LF 3" Fiberglass Reinforced Plastic Pipe.....	22.17	8.40
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-9.45	
23 11 26 00-0005 LF 4" Fiberglass Reinforced Plastic Pipe.....	29.55	12.40
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-13.91	
23 11 26 00-0006 LF 5" Fiberglass Reinforced Plastic Pipe.....	34.62	14.25
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-15.68	
23 11 26 00-0007 LF 6" Fiberglass Reinforced Plastic Pipe.....	40.34	15.92
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-17.93	
23 11 26 00-0008 LF 8" Fiberglass Reinforced Plastic Pipe.....	54.14	18.60
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-20.89	
23 11 26 00-0009 LF 10" Fiberglass Reinforced Plastic Pipe.....	71.58	22.11
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-24.91	
23 11 26 00-0010 LF 12" Fiberglass Reinforced Plastic Pipe.....	166.50	27.85
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-31.34	
<b>23 11 26 00-0011 Fiberglass Reinforced Plastic Fittings (23 11 26 00-0001)</b>		
<b>23 11 26 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows (23 11 26 00-0011)</b>		
23 11 26 00-0013 EA 2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	144.79	70.01
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-78.74	
23 11 26 00-0014 EA 3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	171.09	84.07
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-94.49	
23 11 26 00-0015 EA 4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	204.37	97.64
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-109.77	
23 11 26 00-0016 EA 5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	246.15	110.01
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-121.35	
23 11 26 00-0017 EA 6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	295.72	123.42
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-138.78	
23 11 26 00-0018 EA 8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	420.66	154.23
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-173.48	
23 11 26 00-0019 EA 10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	538.89	185.79
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-208.92	
23 11 26 00-0020 EA 12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	1,235.01	230.38
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-259.07	
<b>23 11 26 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows (23 11 26 00-0011)</b>		
23 11 26 00-0022 EA 2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	145.09	70.01
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-78.74	
23 11 26 00-0023 EA 3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	171.18	84.07
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-94.49	
23 11 26 00-0024 EA 4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	204.67	97.74
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-109.85	
23 11 26 00-0025 EA 5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	255.25	116.10
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-128.15	
23 11 26 00-0026 EA 6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	295.61	123.42
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-138.78	
23 11 26 00-0027 EA 8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	420.66	154.23
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-173.48	
23 11 26 00-0028 EA 10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	937.19	185.79
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-208.92	
23 11 26 00-0029 EA 12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	1,235.01	230.38
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-259.07	
<b>23 11 26 00-0030 Fiberglass Reinforced Plastic Flanged Tees (23 11 26 00-0011)</b>		
23 11 26 00-0031 EA 2" Fiberglass Reinforced Plastic Flanged Tee.....	294.40	105.06
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-118.12	
23 11 26 00-0032 EA 3" Fiberglass Reinforced Plastic Flanged Tee.....	363.88	126.54
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-142.25	
23 11 26 00-0033 EA 4" Fiberglass Reinforced Plastic Flanged Tee.....	414.37	146.56
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-164.79	
23 11 26 00-0034 EA 5" Fiberglass Reinforced Plastic Flanged Tee.....	524.51	174.09
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-192.31	
23 11 26 00-0035 EA 6" Fiberglass Reinforced Plastic Flanged Tee.....	620.04	185.79
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-208.92	
23 11 26 00-0036 EA 8" Fiberglass Reinforced Plastic Flanged Tee.....	779.73	230.38
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-259.07	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0037 EA 10" Fiberglass Reinforced Plastic Flanged Tee .....	1,241.39	278.67
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-313.38	
23 11 26 00-0038 EA 12" Fiberglass Reinforced Plastic Flanged Tee .....	1,656.97	338.82
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-380.97	
<b>23 11 26 00-0039 Fiberglass Reinforced Plastic Flanged Wyes (23 11 26 00-0011)</b>		
23 11 26 00-0040 EA 2" Fiberglass Reinforced Plastic Flanged Wye .....	387.08	105.06
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-118.12	
23 11 26 00-0041 EA 3" Fiberglass Reinforced Plastic Flanged Wye .....	496.28	126.35
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-142.07	
23 11 26 00-0042 EA 4" Fiberglass Reinforced Plastic Flanged Wye .....	582.84	146.56
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-164.78	
23 11 26 00-0043 EA 5" Fiberglass Reinforced Plastic Flanged Wye .....	667.96	174.09
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-192.31	
23 11 26 00-0044 EA 6" Fiberglass Reinforced Plastic Flanged Wye .....	738.49	185.79
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-208.92	
23 11 26 00-0045 EA 8" Fiberglass Reinforced Plastic Flanged Wye .....	967.06	230.38
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-259.07	
23 11 26 00-0046 EA 10" Fiberglass Reinforced Plastic Flanged Wye .....	1,477.67	278.67
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-313.38	
23 11 26 00-0047 EA 12" Fiberglass Reinforced Plastic Flanged Wye .....	1,914.54	338.82
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-380.97	
<b>23 11 26 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers (23 11 26 00-0011)</b>		
23 11 26 00-0049 EA 2" Fiberglass Reinforced Plastic Flanged Concentric Reducer .....	221.00	70.01
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-78.74	
23 11 26 00-0050 EA 3" Fiberglass Reinforced Plastic Flanged Concentric Reducer .....	285.94	84.07
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-94.49	
23 11 26 00-0051 EA 4" Fiberglass Reinforced Plastic Flanged Concentric Reducer .....	313.97	97.74
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-109.85	
23 11 26 00-0052 EA 5" Fiberglass Reinforced Plastic Flanged Concentric Reducer .....	364.44	116.10
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-128.15	
23 11 26 00-0053 EA 6" Fiberglass Reinforced Plastic Flanged Concentric Reducer .....	404.63	123.42
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-138.78	
23 11 26 00-0054 EA 8" Fiberglass Reinforced Plastic Flanged Concentric Reducer .....	537.39	154.23
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-173.48	
23 11 26 00-0055 EA 10" Fiberglass Reinforced Plastic Flanged Concentric Reducer .....	686.02	185.79
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-208.92	
23 11 26 00-0056 EA 12" Fiberglass Reinforced Plastic Flanged Concentric Reducer .....	935.71	230.38
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-259.07	
<b>23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters (23 11 26 00-0011)</b>		
23 11 26 00-0058 EA 2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	179.59	70.01
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-78.74	
23 11 26 00-0059 EA 3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	206.84	84.07
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-94.49	
23 11 26 00-0060 EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	234.95	97.74
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-109.85	
23 11 26 00-0061 EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	287.03	116.10
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-128.15	
23 11 26 00-0062 EA 6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	328.89	123.42
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-138.78	
23 11 26 00-0063 EA 8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	328.70	154.23
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-173.48	
23 11 26 00-0064 EA 10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	418.52	185.79
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-208.92	
23 11 26 00-0065 EA 12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	649.75	230.38
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-259.07	
<b>23 11 26 00-0066 Fiberglass Reinforced Plastic Nipples (23 11 26 00-0011)</b>		
23 11 26 00-0067 EA 2" x 6" Fiberglass Reinforced Plastic Nipple .....	33.19	8.40
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-9.45	
23 11 26 00-0068 EA 2" x 12" Fiberglass Reinforced Plastic Nipple .....	66.32	16.79
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-18.85	
23 11 26 00-0069 EA 3" x 8" Fiberglass Reinforced Plastic Nipple .....	109.33	12.89
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-14.50	
23 11 26 00-0070 EA 3" x 12" Fiberglass Reinforced Plastic Nipple .....	126.62	17.30
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-19.46	
23 11 26 00-0071 EA 4" x 8" Fiberglass Reinforced Plastic Nipple .....	117.67	12.30
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-13.88	
23 11 26 00-0072 EA 4" x 12" Fiberglass Reinforced Plastic Nipple .....	142.16	18.51
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-20.81	
23 11 26 00-0073 EA 6" x 12" Fiberglass Reinforced Plastic Nipple .....	176.24	20.73
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-22.90	
23 11 26 00-0074 EA 6" x 12" Fiberglass Reinforced Plastic Nipple .....	210.30	22.20
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-25.01	
23 11 26 00-0075 EA 8" x 18" Fiberglass Reinforced Plastic Nipple .....	113.00	25.91
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-29.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0076 EA 8" x 24" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	154.32 -41.60	37.01
23 11 26 00-0077 EA 10" x 18" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	187.54 -29.62	26.37
23 11 26 00-0078 EA 10" x 24" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	281.49 -44.36	39.42
23 11 26 00-0079 EA 12" x 18" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	218.53 -30.55	27.20
23 11 26 00-0080 EA 12" x 24" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	286.64 -45.83	40.71
<b>23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings (23 11 26 00-0011)</b>		
23 11 26 00-0082 EA 2" Fiberglass Reinforced Plastic Sleeve Coupling..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	123.91 -78.74	70.01
23 11 26 00-0083 EA 3" Fiberglass Reinforced Plastic Sleeve Coupling..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	149.02 -94.49	84.07
23 11 26 00-0084 EA 4" Fiberglass Reinforced Plastic Sleeve Coupling..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	172.40 -109.85	97.74
23 11 26 00-0085 EA 5" Fiberglass Reinforced Plastic Sleeve Coupling..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	206.72 -128.15	116.10
23 11 26 00-0086 EA 6" Fiberglass Reinforced Plastic Sleeve Coupling..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	230.80 -138.78	123.42
23 11 26 00-0087 EA 8" Fiberglass Reinforced Plastic Sleeve Coupling..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	298.42 -173.48	154.23
23 11 26 00-0088 EA 10" Fiberglass Reinforced Plastic Sleeve Coupling..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	380.77 -208.92	185.79
23 11 26 00-0089 EA 12" Fiberglass Reinforced Plastic Sleeve Coupling..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	465.93 -259.07	230.38
<b>23 11 26 00-0090 Fiberglass Reinforced Plastic Flanges (23 11 26 00-0011)</b>		
23 11 26 00-0091 EA 2" Fiberglass Reinforced Plastic Flange..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	126.27 -78.74	70.01
23 11 26 00-0092 EA 3" Fiberglass Reinforced Plastic Flange..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	152.15 -94.49	84.07
23 11 26 00-0093 EA 4" Fiberglass Reinforced Plastic Flange..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	173.93 -103.91	92.43
23 11 26 00-0094 EA 5" Fiberglass Reinforced Plastic Flange..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	209.36 -121.43	110.01
23 11 26 00-0095 EA 6" Fiberglass Reinforced Plastic Flange..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	244.53 -138.78	123.42
23 11 26 00-0096 EA 8" Fiberglass Reinforced Plastic Flange..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	302.27 -166.07	147.66
23 11 26 00-0097 EA 10" Fiberglass Reinforced Plastic Flange..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	402.12 -208.92	185.79
23 11 26 00-0098 EA 12" Fiberglass Reinforced Plastic Flange..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	551.36 -259.07	230.38
<b>23 11 26 00-0099 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings (23 11 26)</b>		
<b>23 11 26 00-0100 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing (23 11 26 00-0099)</b>		
23 11 26 00-0101 LF 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	104.45	30.17
23 11 26 00-0102 LF 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	124.47	35.74
23 11 26 00-0103 LF 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	160.56	52.72
23 11 26 00-0104 LF 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	224.22	68.35
23 11 26 00-0105 LF 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	314.08	79.57
23 11 26 00-0106 LF 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	425.69	94.37
23 11 26 00-0107 LF 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	543.61	119.07
<b>23 11 26 00-0108 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings (23 11 26 00-0099)</b>		
<b>23 11 26 00-0109 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows (23 11 26 00-0108)</b>		
23 11 26 00-0110 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,816.60	373.37
23 11 26 00-0111 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,096.36	448.17
23 11 26 00-0112 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,612.86	520.81
23 11 26 00-0113 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	4,482.11	658.11
23 11 26 00-0114 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	7,214.25	822.79
23 11 26 00-0115 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	9,706.12	989.89

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0116 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	12,943.07	1,225.81
<b>23 11 26 00-0117 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows (23 11 26 00-0108)</b>		
23 11 26 00-0118 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,819.34	373.37
23 11 26 00-0119 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,091.56	448.17
23 11 26 00-0120 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,609.10	520.81
23 11 26 00-0121 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	4,459.96	658.11
23 11 26 00-0122 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	7,182.18	822.79
23 11 26 00-0123 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	9,662.72	990.35
23 11 26 00-0124 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	12,887.70	1,228.59
<b>23 11 26 00-0125 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees (23 11 26 00-0108)</b>		
23 11 26 00-0126 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	2,539.69	560.07
23 11 26 00-0127 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	3,175.14	675.00
23 11 26 00-0128 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	3,588.81	781.62
23 11 26 00-0129 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	5,725.47	990.81
23 11 26 00-0130 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	7,234.64	1,228.59
23 11 26 00-0131 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	12,451.33	1,484.50
23 11 26 00-0132 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	16,965.42	1,799.91
<b>23 11 26 00-0133 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes (23 11 26 00-0108)</b>		
23 11 26 00-0134 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	3,690.39	560.07
23 11 26 00-0135 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	4,820.84	674.21
23 11 26 00-0136 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	5,680.89	781.62
23 11 26 00-0137 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	7,196.27	990.81
23 11 26 00-0138 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	9,560.64	1,228.59
23 11 26 00-0139 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	15,385.18	1,484.50
23 11 26 00-0140 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	20,163.48	1,799.91
<b>23 11 26 00-0141 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers (23 11 26 00-0108)</b>		
23 11 26 00-0142 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	2,000.23	373.37
23 11 26 00-0143 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	2,657.91	448.17
23 11 26 00-0144 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	2,860.64	520.81
23 11 26 00-0145 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	3,713.29	658.11
23 11 26 00-0146 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	5,034.22	822.79
23 11 26 00-0147 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	6,543.33	989.89
23 11 26 00-0148 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	9,167.20	1,225.81
<b>23 11 26 00-0149 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters (23 11 26 00-0108)</b>		
23 11 26 00-0150 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,485.97	373.37
23 11 26 00-0151 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,675.80	448.17
23 11 26 00-0152 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,879.47	520.81
23 11 26 00-0153 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	2,772.85	658.11
23 11 26 00-0154 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	2,443.03	822.79
23 11 26 00-0155 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	3,221.94	989.89
23 11 26 00-0156 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	5,616.63	1,225.81



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 11 26 00-0157</b>	<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples</b> <small>(23 11 26 00-0108)</small>			
23 11 26 00-0158	EA 2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	322.91		44.82
23 11 26 00-0159	EA 2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	645.46		89.43
23 11 26 00-0160	EA 3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,220.65		68.74
23 11 26 00-0161	EA 3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,388.43		92.25
23 11 26 00-0162	EA 4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,329.88		65.79
23 11 26 00-0163	EA 4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,568.61		98.72
23 11 26 00-0164	EA 6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	2,375.03		118.62
23 11 26 00-0165	EA 8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,127.81		138.23
23 11 26 00-0166	EA 8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,523.27		197.35
23 11 26 00-0167	EA 10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	2,048.88		140.45
23 11 26 00-0168	EA 10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	3,076.08		210.39
23 11 26 00-0169	EA 12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	2,424.80		144.89
23 11 26 00-0170	EA 12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	3,126.38		217.33

<b>23 11 26 00-0171</b>	<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges</b> <small>(23 11 26 00-0108)</small>			
23 11 26 00-0172	EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange .....	1,178.26		492.77
23 11 26 00-0173	EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange .....	1,725.39		658.11
23 11 26 00-0174	EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange .....	2,184.88		787.73
23 11 26 00-0175	EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	3,018.34		989.89
23 11 26 00-0176	EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	4,394.92		1,225.81

**23 12 Facility Fuel Pumps** (23 10)

**23 12 13 Facility Fuel-Oil Pumps** (23 12)

<b>23 12 13 00-0001</b>	<b>Cast Iron Internal Gear Rotary Pump</b> <small>(23 12 13)</small>			
Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.				
<b>23 12 13 00-0002</b>	<b>10 GPM 1" Discharge</b> <small>(23 12 13 00-0001)</small>			
23 12 13 00-0003	EA 10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge .....	1,477.46		283.32
23 12 13 00-0004	EA 10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge .....	1,546.71		342.92
23 12 13 00-0005	EA 10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge .....	1,690.81		407.41

<b>23 12 13 00-0006</b>	<b>25 GPM 1-1/4" Discharge</b> <small>(23 12 13 00-0001)</small>			
23 12 13 00-0007	EA 25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge .....	1,581.42		283.32
23 12 13 00-0008	EA 25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge .....	1,663.87		342.92
23 12 13 00-0009	EA 25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge .....	1,746.15		407.41

<b>23 12 13 00-0010</b>	<b>Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI</b> <small>(23 12 13)</small>			
23 12 13 00-0011	EA 1/4 HP Pump Fuel Oil/Diesel .....	1,106.07		158.76
23 12 13 00-0012	EA 1/3 HP Pump Fuel Oil/Diesel .....	1,300.68		177.82
23 12 13 00-0013	EA 1/2 HP Pump Fuel Oil/Diesel .....	1,421.95		199.31
23 12 13 00-0014	EA 3/4 HP Pump Fuel Oil/Diesel .....	1,551.05		224.71
23 12 13 00-0015	EA 1 HP Pump Fuel Oil/Diesel .....	2,183.68		250.11
23 12 13 00-0016	EA 1-1/2 HP Pump Fuel Oil/Diesel .....	2,671.55		279.90
23 12 13 00-0017	EA 2 HP Pump Fuel Oil/Diesel .....	2,960.50		313.61
23 12 13 00-0018	EA 3 HP Pump Fuel Oil/Diesel .....	3,610.64		350.74
23 12 13 00-0019	EA 5 HP Pump Fuel Oil/Diesel .....	4,256.73		393.24
23 12 13 00-0020	EA 7.5 HP Pump Fuel Oil/Diesel .....	4,765.97		441.11
23 12 13 00-0021	EA 10 HP Pump Fuel Oil/Diesel .....	5,343.50		494.45

**23 12 23 Facility Natural-Gas Pumps** (23 12)

<b>23 12 23 00-0001</b>	<b>Natural Gas Booster Pump</b> <small>(23 12 23)</small>			
23 12 23 00-0002	EA Natural Gas Booster Pump, 3/4" Outlet Size .....	1,115.05		146.55
23 12 23 00-0003	EA Natural Gas Booster Pump, 1" Outlet Size .....	1,324.43		163.64
23 12 23 00-0004	EA Natural Gas Booster Pump, 1-1/4" Outlet Size .....	1,487.27		170.98
23 12 23 00-0005	EA Natural Gas Booster Pump, 1-1/2" Outlet Size .....	1,690.54		178.30
23 12 23 00-0006	EA Natural Gas Booster Pump, 2" Outlet Size .....	1,915.93		183.18

**23 13 Facility Fuel-Storage Tanks** (23 10)

**23 13 13 Facility Underground Fuel-Oil, Storage Tanks** (23 13)

**23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks** (23 13 13)

<b>23 13 13 13-0001</b>	<b>Coated Underground Double Wall Storage Tanks</b> <small>(23 13 13 13)</small>			
Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each; all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.				
23 13 13 13-0002	EA 250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	13,854.20		676.25
23 13 13 13-0003	EA 550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	14,965.95		676.25

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	21,621.28	845.26
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	29,630.00	1,651.00
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	47,158.83	2,122.59
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	52,539.31	2,437.86
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	56,739.05	3,223.36
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	58,677.94	3,460.83
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	71,609.54	4,088.54
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	82,933.11	4,715.82
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	106,056.63	5,185.96
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	125,733.64	6,296.58
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	129,881.30	6,682.30
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	159,458.61	10,599.52
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	195,996.11	13,744.98
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	230,910.01	15,726.77
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	296,852.97	16,906.27
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	401,940.69	17,339.81

**23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks (23 13 13)****23 13 13 23-0001 Underground Fiberglass Storage Tanks (23 13 13 23)****23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)**

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	3,485.37	676.25
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	4,377.37	845.26
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	5,690.53	1,045.83
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	6,474.80	1,273.87
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	7,254.14	1,494.04
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	8,844.88	1,965.85
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	10,633.41	2,988.08
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	12,080.12	3,774.42
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	14,449.03	4,246.23
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	16,305.94	5,032.56
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	20,926.32	5,976.17
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	25,761.39	7,470.21
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	32,582.94	9,986.50
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	48,344.84	12,424.14
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	59,173.02	14,940.43
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	84,581.36	21,624.30
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	119,953.42	27,521.84

**23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)**

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	6,644.60	676.25
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	8,751.14	845.26
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	10,493.53	1,022.24
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	13,667.76	1,494.15
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	15,392.12	1,965.85
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	17,830.91	2,988.08
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	19,918.98	3,774.42
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	24,425.76	4,246.23
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	26,282.68	5,032.56
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	31,793.83	5,976.17
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	43,621.53	7,470.21
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	54,139.82	9,986.50
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	83,580.39	14,940.43

**23 13 13 23-0034 Underground Storage Tank Pump Enclosures (23 13 13 23)**

23 13 13 23-0035	EA	Secondary Containment Collar .....	2,514.71	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter .....	2,514.71	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure .....	502.94	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical .....	1,005.88	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit .....	1,257.35	

**23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks (23 13)****23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)****23 13 23 13-0001 Rectangle Double Wall Steel Fuel Day Tank (23 13 23 13)**

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	1,160.16	127.29
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank (Tramont TRX) .....	1,246.19	133.65

Note: Includes rust-inhibitor coated interior and gray painted exterior.





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0004 EA 25 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,352.97	143.19
23 13 23 13-0005 EA 50 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,555.73	152.74
23 13 23 13-0006 EA 60 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,736.07	159.11
23 13 23 13-0007 EA 75 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,046.24	190.93
23 13 23 13-0008 EA 100 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,757.58	222.74
23 13 23 13-0009 EA 150 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,492.91	254.56
23 13 23 13-0010 EA 200 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,485.39	286.38
23 13 23 13-0011 EA 275 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,999.57	318.21
23 13 23 13-0012 EA 300 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,719.37	381.85
23 13 23 13-0013 EA 350 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,404.89	445.49
23 13 23 13-0014 EA 400 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,110.97	509.14
23 13 23 13-0015 EA 450 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,894.30	540.96
23 13 23 13-0016 EA 500 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,682.78	572.78
23 13 23 13-0017 EA 550 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,579.26	604.60
23 13 23 13-0018 EA 600 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,362.60	636.41
23 13 23 13-0019 EA 700 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,534.76	763.70
23 13 23 13-0020 EA 800 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,441.41	827.34
23 13 23 13-0021 EA 900 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,649.57	954.63
23 13 23 13-0022 EA 1,000 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,862.87	1,081.91
23 13 23 13-0023 EA 10 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,410.45	127.29
23 13 23 13-0024 EA 15 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,498.19	133.65
23 13 23 13-0025 EA 25 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,604.97	143.19
23 13 23 13-0026 EA 50 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,806.02	152.74
23 13 23 13-0027 EA 60 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,986.36	159.11
23 13 23 13-0028 EA 75 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,298.25	190.93
23 13 23 13-0029 EA 100 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,033.59	222.74
23 13 23 13-0030 EA 150 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,768.92	254.56
23 13 23 13-0031 EA 200 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,761.40	286.38
23 13 23 13-0032 EA 275 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,275.58	318.21
23 13 23 13-0033 EA 300 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,995.37	381.85
23 13 23 13-0034 EA 350 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,680.89	445.49
23 13 23 13-0035 EA 400 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,386.98	509.14
23 13 23 13-0036 EA 450 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,170.31	540.96
23 13 23 13-0037 EA 500 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,958.79	572.78
23 13 23 13-0038 EA 550 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,856.98	604.60
23 13 23 13-0039 EA 600 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,640.32	636.41
23 13 23 13-0040 EA 700 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,810.76	763.70
23 13 23 13-0041 EA 800 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,717.41	827.34
23 13 23 13-0042 EA 900 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,925.57	954.63
23 13 23 13-0043 EA 1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,138.88	1,081.91
23 13 23 13-0044 EA 10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,358.47	127.29
23 13 23 13-0045 EA 15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,435.93	133.65

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0046 EA 25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,504.99	143.19
23 13 23 13-0047 EA 50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,774.61	152.74
23 13 23 13-0048 EA 60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,876.09	159.11
23 13 23 13-0049 EA 75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,175.98	190.93
23 13 23 13-0050 EA 100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,823.89	222.74
23 13 23 13-0051 EA 150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,830.08	254.56
23 13 23 13-0052 EA 200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,431.69	286.38
23 13 23 13-0053 EA 275 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,108.19	318.21
23 13 23 13-0054 EA 300 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,030.27	381.85
23 13 23 13-0055 EA 350 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,582.08	445.49
23 13 23 13-0056 EA 400 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,336.16	509.14
23 13 23 13-0057 EA 450 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,083.49	540.96
23 13 23 13-0058 EA 500 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,070.83	572.78
23 13 23 13-0059 EA 550 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,478.73	604.60
23 13 23 13-0060 EA 600 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,843.77	636.41
23 13 23 13-0061 EA 700 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,542.23	763.70
23 13 23 13-0062 EA 800 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,198.03	827.34
23 13 23 13-0063 EA 900 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,999.35	954.63
23 13 23 13-0064 EA 1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,829.81	1,081.91
23 13 23 13-0065 EA 10 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,489.92	127.29
23 13 23 13-0066 EA 15 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,567.38	133.65
23 13 23 13-0067 EA 25 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,636.44	143.19
23 13 23 13-0068 EA 50 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,906.06	152.74
23 13 23 13-0069 EA 60 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,007.54	159.11
23 13 23 13-0070 EA 75 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,307.43	190.93
23 13 23 13-0071 EA 100 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,955.34	222.74
23 13 23 13-0072 EA 150 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,961.53	254.56
23 13 23 13-0073 EA 200 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,638.58	286.38
23 13 23 13-0074 EA 275 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,845.34	318.21
23 13 23 13-0075 EA 300 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,767.43	381.85
23 13 23 13-0076 EA 350 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,320.95	445.49
23 13 23 13-0077 EA 400 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,073.32	509.14
23 13 23 13-0078 EA 450 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,822.36	540.96
23 13 23 13-0079 EA 500 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,807.99	572.78
23 13 23 13-0080 EA 550 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,215.88	604.60
23 13 23 13-0081 EA 600 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,580.93	636.41
23 13 23 13-0082 EA 700 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,279.39	763.70
23 13 23 13-0083 EA 800 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,936.91	827.34
23 13 23 13-0084 EA 900 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,736.51	954.63
23 13 23 13-0085 EA 1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,566.96	1,081.91
23 13 23 13-0086 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,122.50	127.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0087 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,208.53	133.65
23 13 23 13-0088 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,279.31	143.19
23 13 23 13-0089 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,557.50	152.74
23 13 23 13-0090 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,706.98	159.11
23 13 23 13-0091 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,979.45	190.93
23 13 23 13-0092 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,653.07	222.74
23 13 23 13-0093 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,707.26	254.56
23 13 23 13-0094 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,331.16	286.38
23 13 23 13-0095 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,072.80	318.21
23 13 23 13-0096 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,042.88	381.85
23 13 23 13-0097 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,541.54	445.49
23 13 23 13-0098 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,398.49	509.14
23 13 23 13-0099 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,303.53	540.96
23 13 23 13-0100 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,213.73	572.78
23 13 23 13-0101 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,671.34	604.60
23 13 23 13-0102 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,010.67	636.41
23 13 23 13-0103 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,786.27	763.70
23 13 23 13-0104 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,522.65	827.34
23 13 23 13-0105 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,404.54	954.63
23 13 23 13-0106 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,312.14	1,081.91
23 13 23 13-0107 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,253.96	127.29
23 13 23 13-0108 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,339.99	133.65
23 13 23 13-0109 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,410.76	143.19
23 13 23 13-0110 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,688.95	152.74
23 13 23 13-0111 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,838.43	159.11
23 13 23 13-0112 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,107.47	190.93
23 13 23 13-0113 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,784.52	222.74
23 13 23 13-0114 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,838.71	254.56

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0115 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,462.61	286.38
23 13 23 13-0116 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,809.95	318.21
23 13 23 13-0117 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,780.04	381.85
23 13 23 13-0118 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,450.13	445.49
23 13 23 13-0119 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,135.64	509.14
23 13 23 13-0120 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,040.69	540.96
23 13 23 13-0121 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,950.89	572.78
23 13 23 13-0122 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,408.50	604.60
23 13 23 13-0123 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,749.55	636.41
23 13 23 13-0124 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,523.43	763.70
23 13 23 13-0125 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,259.81	827.34
23 13 23 13-0126 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,141.70	954.63
23 13 23 13-0127 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,049.30	1,081.91
23 13 23 13-0128 EA 150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,148.98	127.29
23 13 23 13-0129 EA 150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,245.57	133.65
23 13 23 13-0130 EA 150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,352.01	143.19
23 13 23 13-0131 EA 150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,546.68	152.74
23 13 23 13-0132 EA 150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,061.92	159.11
23 13 23 13-0133 EA 150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,114.95	190.93
23 13 23 13-0134 EA 150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,661.31	222.74
23 13 23 13-0135 EA 150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,295.90	254.56
23 13 23 13-0136 EA 150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,335.56	286.38
23 13 23 13-0137 EA 150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,452.15	318.21
23 13 23 13-0138 EA 150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,544.85	381.85
23 13 23 13-0139 EA 150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,028.83	445.49
23 13 23 13-0140 EA 150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,515.07	509.14
23 13 23 13-0141 EA 150% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,253.76	540.96
23 13 23 13-0142 EA 150% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	8,994.72	572.78
23 13 23 13-0143 EA 150% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	9,638.39	604.60
23 13 23 13-0144 EA 150% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,288.82	636.41
23 13 23 13-0145 EA 150% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	11,636.93	763.70
23 13 23 13-0146 EA 150% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	12,919.70	827.34
23 13 23 13-0147 EA 150% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	14,344.76	954.63
23 13 23 13-0148 EA 150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	15,720.03	1,081.91
23 13 23 13-0149 EA 200% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,211.63	133.65
23 13 23 13-0150 EA 200% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,318.32	143.19
23 13 23 13-0151 EA 200% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,429.76	152.74
23 13 23 13-0152 EA 200% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,629.08	159.11
23 13 23 13-0153 EA 200% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,214.77	190.93
23 13 23 13-0154 EA 200% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,267.81	222.74
23 13 23 13-0155 EA 200% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,841.56	254.56
23 13 23 13-0156 EA 200% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,508.47	286.38
23 13 23 13-0157 EA 200% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,602.94	318.21
23 13 23 13-0158 EA 200% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,778.63	350.03
23 13 23 13-0159 EA 200% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,926.13	413.67
23 13 23 13-0160 EA 200% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,431.10	477.31
23 13 23 13-0161 EA 200% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,938.46	540.96
23 13 23 13-0162 EA 200% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,715.25	572.78
23 13 23 13-0163 EA 200% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,494.42	604.60
23 13 23 13-0164 EA 200% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	10,170.91	636.41
23 13 23 13-0165 EA 200% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,907.56	700.06
23 13 23 13-0166 EA 200% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	12,318.78	827.34
23 13 23 13-0167 EA 200% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	13,773.00	954.63
23 13 23 13-0168 EA 200% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	15,265.44	1,081.91
23 13 23 13-0169 EA 200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	16,705.34	1,209.19
23 13 23 13-0170 EA 150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,327.75	127.29
23 13 23 13-0171 EA 150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,446.97	133.65



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various containment double wall sealed top basins for different tank capacities (25 to 1,000 gallons).

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)

23 13 23 16-0001

Single Wall Aboveground Storage Tanks (23 13 23 16)

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each; all others 6 each. Excludes pumps, piping, excavation and backfill.

Table listing single wall aboveground storage tanks with columns for description, total direct unit cost, and demolition unit cost. Includes tank sizes from 300 to 30,000 gallons.

23 13 23 16-0015

Double Wall Aboveground Storage Tanks (23 13 23 16)

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each; all others 6 each. Excludes pumps, piping, excavation and backfill.

Table listing double wall aboveground storage tanks with columns for description, total direct unit cost, and demolition unit cost. Includes tank sizes from 300 to 10,000 gallons.

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0025	EA		12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	72,598.47	4,226.51
23 13 23 16-0026	EA		15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	80,360.21	4,696.22
23 13 23 16-0027	EA		20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	100,310.26	6,037.92
23 13 23 16-0028	EA		30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	137,496.06	7,044.23

**23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)****23 13 23 19-0001 Secondary Containment For Above Ground Tanks (23 13 23 19)**

23 13 23 19-0002	EA		Steel Dike For 550 Gallon Tank, Uncoated.....	5,399.27	
23 13 23 19-0003	EA		Steel Dike For 1,000 Gallon Tank, Uncoated.....	6,523.03	
23 13 23 19-0004	EA		Steel Dike For 2,000 Gallon Tank, Uncoated.....	14,277.79	
23 13 23 19-0005	EA		Steel Dike For 3,000 Gallon Tank, Uncoated.....	15,621.08	
23 13 23 19-0006	EA		Steel Dike For 5,000 Gallon Tank, Uncoated.....	22,213.25	
23 13 23 19-0007	EA		Steel Dike For 6,000 Gallon Tank, Uncoated.....	24,887.11	
23 13 23 19-0008	EA		Steel Dike For 8,000 Gallon Tank, Uncoated.....	32,861.38	
23 13 23 19-0009	EA		Steel Dike For 10,000 Gallon Tank, Uncoated.....	38,557.89	
23 13 23 19-0010	EA		Steel Dike For 12,000 Gallon Tank, Uncoated.....	43,815.22	
23 13 23 19-0011	EA		Steel Dike For 15,000 Gallon Tank, Uncoated.....	53,348.10	
23 13 23 19-0012	EA		Steel Dike For 20,000 Gallon Tank, Uncoated.....	68,306.44	

**23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)****23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)**

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23 26-0002	EA		500 Gallon Concrete Vaulted Storage Tank .....	29,887.17	1,462.49
			<i>For Low Profile Tanks, Add</i> .....	11,138.60	
23 13 23 26-0003	EA		1,000 Gallon Concrete Vaulted Storage Tank .....	37,678.49	1,651.00
			<i>For Low Profile Tanks, Add</i> .....	14,149.90	
23 13 23 26-0004	EA		2,000 Gallon Concrete Vaulted Storage Tank .....	67,037.42	1,965.85
			<i>For Low Profile Tanks, Add</i> .....	25,717.75	
23 13 23 26-0005	EA		4,000 Gallon Concrete Vaulted Storage Tank .....	105,977.56	4,323.92
23 13 23 26-0006	EA		5,000 Gallon Concrete Vaulted Storage Tank .....	121,124.39	4,722.43
23 13 23 26-0007	EA		6,000 Gallon Concrete Vaulted Storage Tank .....	136,354.39	5,099.87
23 13 23 26-0008	EA		8,000 Gallon Concrete Vaulted Storage Tank .....	151,563.30	5,534.04
23 13 23 26-0009	EA		10,000 Gallon Concrete Vaulted Storage Tank .....	166,765.41	5,890.72

**23 13 33 Facility Fuel-Oil, Storage Tank Accessories (23 13)****23 13 33 00-0001 EPA Requirements (23 13 33)**

23 13 33 00-0002	EA		Fill Pipe Spill Containment Manhole (5 Gallon).....	928.70	
23 13 33 00-0003	EA		Over-Fill Prevention Valve .....	1,367.78	
23 13 33 00-0004	EA		Tank Manway With Cover, Fiberglass .....	4,040.91	
23 13 33 00-0005	EA		Tank Manway With Cover, Steel.....	2,791.54	
23 13 33 00-0006	EA		Vent Fill Alarm (Whistle Vent) .....	128.94	
23 13 33 00-0007	EA		Reservoir Sensor, Liquid Level .....	353.22	
23 13 33 00-0008	EA		Manhole Spill Containment .....	1,323.83	247.53
23 13 33 00-0009	EA		Fill Adapter, 4" .....	296.49	165.06
23 13 33 00-0010	EA		Fill Cap, 4" .....	200.19	61.89
23 13 33 00-0011	EA		2" Vent Cap.....	121.31	41.29
23 13 33 00-0012	EA		4" x 2" Extractor Fitting .....	390.91	61.89
23 13 33 00-0013	EA		Float Vent Valve.....	382.59	123.77
23 13 33 00-0014	EA		Vapor Hose Adapter .....	380.24	82.47
23 13 33 00-0015	EA		Dust Cap .....	166.43	45.05
23 13 33 00-0016	EA		1" Double Poppet Foot Valve.....	443.26	70.70
23 13 33 00-0017	EA		10' Wood Gage Stick .....	41.11	
23 13 33 00-0018	EA		1-1/4" Tank Filled Breather, NPT .....	136.63	
23 13 33 00-0019	EA		1-1/2" Tank Filled Breather, Bayonet .....	183.76	
23 13 33 00-0020	EA		2" Cast Iron Combination Fill Cap And Vent .....	94.87	
23 13 33 00-0021	EA		3" Cast Iron Combination Fill Cap And Vent .....	132.57	
23 13 33 00-0022	EA		4" Cast Iron Combination Fill Cap And Vent .....	216.70	
23 13 33 00-0023	EA		Pressure And Vacuum Control Vent .....	811.06	
23 13 33 00-0024	EA		1/4 HP Fuel/Diesel Pump Set .....	1,746.00	
23 13 33 00-0025	EA		1/3 HP Fuel/Diesel Pump Set .....	2,068.30	
23 13 33 00-0026	EA		1/2 HP Fuel/Diesel Pump Set .....	2,252.71	
23 13 33 00-0027	EA		3/4 HP Fuel/Diesel Pump Set .....	2,468.05	
23 13 33 00-0028	EA		1 HP Fuel/Diesel Pump Set .....	3,551.44	
23 13 33 00-0029	EA		1-1/2 HP Fuel/Diesel Pump Set .....	4,393.35	
23 13 33 00-0030	EA		2 HP Fuel/Diesel Pump Set .....	4,862.86	
23 13 33 00-0031	EA		3 HP Fuel/Diesel Pump Set .....	5,986.19	
23 13 33 00-0032	EA		5 HP Fuel/Diesel Pump Set .....	7,092.55	
23 13 33 00-0033	EA		7.5 HP Fuel/Diesel Pump Set .....	7,939.09	
23 13 33 00-0034	EA		10 HP Fuel/Diesel Pump Set .....	9,173.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0035 Tank Bulkhead Fittings (23 13 33)		
23 13 33 00-0036 Tank Bulkhead Fittings (23 13 33 00-0035)		
23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0038 EA 1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	40.26	
23 13 33 00-0039 EA 3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	44.97	
23 13 33 00-0040 EA 1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	49.41	
23 13 33 00-0041 EA 1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	59.28	
23 13 33 00-0042 EA 1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	61.39	
23 13 33 00-0043 EA 2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	79.67	
23 13 33 00-0044 EA 3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	124.02	
23 13 33 00-0045 EA 4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	213.80	
23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0047 EA 1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	46.36	
23 13 33 00-0048 EA 3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	51.05	
23 13 33 00-0049 EA 1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	55.73	
23 13 33 00-0050 EA 1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	69.10	
23 13 33 00-0051 EA 1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	73.79	
23 13 33 00-0052 EA 2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	90.90	
23 13 33 00-0053 EA 3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	139.01	
23 13 33 00-0054 EA 4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	235.09	
23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0056 EA 1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	47.75	
23 13 33 00-0057 EA 3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	55.04	
23 13 33 00-0058 EA 1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	62.06	
23 13 33 00-0059 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	79.87	
23 13 33 00-0060 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	103.53	
23 13 33 00-0061 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	159.37	
23 13 33 00-0062 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	247.74	
23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0064 EA 1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	55.49	
23 13 33 00-0065 EA 3/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	65.33	
23 13 33 00-0066 EA 1" Polypropylene Bulkhead Fitting, Thread x Thread.....	80.07	
23 13 33 00-0067 EA 1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	97.18	
23 13 33 00-0068 EA 1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	99.29	
23 13 33 00-0069 EA 2" Polypropylene Bulkhead Fitting, Thread x Thread.....	140.74	
23 13 33 00-0070 EA 3" Polypropylene Bulkhead Fitting, Thread x Thread.....	249.22	
23 13 33 00-0071 EA 4" Polypropylene Bulkhead Fitting, Thread x Thread.....	441.97	
23 13 33 00-0072 Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0073 EA 3/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	49.41	
23 13 33 00-0074 EA 1" Polyethylene Bulkhead Fitting, Thread x Thread.....	63.15	
23 13 33 00-0075 EA 1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	65.28	
23 13 33 00-0076 EA 1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread.....	67.39	
23 13 33 00-0077 EA 2" Polyethylene Bulkhead Fitting, Thread x Thread.....	92.77	
23 13 33 00-0078 EA 3" Polyethylene Bulkhead Fitting, Thread x Thread.....	116.61	
23 13 33 00-0079 TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0080 EA 1/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	201.75	
23 13 33 00-0081 EA 1/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	230.61	
23 13 33 00-0082 EA 3/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	283.12	
23 13 33 00-0083 EA 1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	326.22	
23 13 33 00-0084 EA 3/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	375.76	
23 13 33 00-0085 EA 1" TFE Teflon Bulkhead Fitting, Thread x Thread.....	472.82	
23 13 33 00-0086 EA 1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	613.79	
23 13 33 00-0087 EA 2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	678.04	
23 13 33 00-0088 Self-Aligning Bulkhead Fittings (23 13 33 00-0035)		
23 13 33 00-0089 EA 3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	207.42	
23 13 33 00-0090 EA 1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	207.97	
23 13 33 00-0091 EA 1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	302.58	
23 13 33 00-0092 EA 2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	309.10	
23 13 33 00-0093 EA 3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	415.83	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 13 Facility Fuel-Storage Tanks**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**23 20 HVAC Piping and Pumps** <sup>(23)</sup>

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

**23 21 Hydronic Piping and Pumps** <sup>(23 20)</sup>**23 21 13 Hydronic Piping** <sup>(23 21)</sup>

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

**23 21 13 23 Aboveground Hydronic Piping** <sup>(23 21 13)</sup>**23 21 13 23-001 Threaded Black Steel Pipe** <sup>(23 21 13 23)</sup>**23 21 13 23-002 Threaded Black Steel Pipe Assemblies** <sup>(23 21 13 23-001)</sup>

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	17.60	3.90
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	4.04	
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	4.18	
23 21 13 23-004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	19.06	4.19
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	4.22	
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	4.61	
23 21 13 23-005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	20.86	4.59
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	4.45	
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	5.14	
23 21 13 23-006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	24.68	4.79
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	4.80	
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	6.32	
23 21 13 23-007	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	26.00	5.67
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	4.87	
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	6.76	
23 21 13 23-008	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	30.79	6.83
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	5.48	
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	8.16	
23 21 13 23-009	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	44.21	8.10
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	6.80	
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	12.29	
23 21 13 23-010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	55.94	10.84
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	8.33	
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	15.69	
23 21 13 23-011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	77.15	12.30
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	8.89	
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	23.03	
23 21 13 23-012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	123.28	15.73
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	10.59	
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	38.73	
23 21 13 23-013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	146.46	18.60
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	12.00	
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	46.33	
23 21 13 23-014		<b>Threaded Black Steel Pipe And Fittings</b> <sup>(23 21 13 23-001)</sup>		
		Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-015		<b>Threaded And Coupled, Black Steel Piping</b> <sup>(23 21 13 23-001 4)</sup>		
		Note: ASTM A-53. Includes coupling.		
23 21 13 23-016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe .....	6.28	2.44
		<i>For Work In Restricted Working Space, Add</i>	1.48	
		<i>For Schedule 80 Pipe, Add</i>	1.10	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0017 LF 1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	8.17	3.90
<i>For Work In Restricted Working Space, Add</i>	1.78	
<i>For Schedule 80 Pipe, Add</i>	1.60	
23 21 13 23-0018 LF 3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	9.22	4.19
<i>For Work In Restricted Working Space, Add</i>	1.89	
<i>For Schedule 80 Pipe, Add</i>	1.94	
23 21 13 23-0019 LF 1" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	10.71	4.59
<i>For Work In Restricted Working Space, Add</i>	2.05	
<i>For Schedule 80 Pipe, Add</i>	2.43	
23 21 13 23-0020 LF 1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	12.44	4.79
<i>For Work In Restricted Working Space, Add</i>	2.17	
<i>For Schedule 80 Pipe, Add</i>	3.07	
23 21 13 23-0021 LF 1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	14.72	5.67
<i>For Work In Restricted Working Space, Add</i>	2.55	
<i>For Schedule 80 Pipe, Add</i>	3.65	
23 21 13 23-0022 LF 2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	18.44	6.83
<i>For Work In Restricted Working Space, Add</i>	3.08	
<i>For Schedule 80 Pipe, Add</i>	4.70	
23 21 13 23-0023 LF 2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	25.10	8.10
<i>For Work In Restricted Working Space, Add</i>	3.66	
<i>For Schedule 80 Pipe, Add</i>	7.02	
23 21 13 23-0024 LF 3" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	33.15	10.84
<i>For Work In Restricted Working Space, Add</i>	4.88	
<i>For Schedule 80 Pipe, Add</i>	9.22	
23 21 13 23-0025 LF 4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	43.74	12.30
<i>For Work In Restricted Working Space, Add</i>	5.55	
<i>For Schedule 80 Pipe, Add</i>	13.20	
23 21 13 23-0026 LF 5" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	57.08	15.73
<i>For Work In Restricted Working Space, Add</i>	7.07	
<i>For Schedule 80 Pipe, Add</i>	17.44	
23 21 13 23-0027 LF 6" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	72.07	18.60
<i>For Work In Restricted Working Space, Add</i>	8.36	
<i>For Schedule 80 Pipe, Add</i>	22.68	
23 21 13 23-0028 LF 8" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	99.23	22.48
<i>For Work In Restricted Working Space, Add</i>	10.10	
<i>For Schedule 80 Pipe, Add</i>	32.88	
23 21 13 23-0029 LF 10" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	133.95	27.39
<i>For Work In Restricted Working Space, Add</i>	12.34	
<i>For Schedule 80 Pipe, Add</i>	45.89	
23 21 13 23-0030 LF 12" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	178.78	35.99
<i>For Work In Restricted Working Space, Add</i>	16.19	
<i>For Schedule 80 Pipe, Add</i>	61.56	
<b>23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows <small>(23 21 13 23-0014)</small></b>		
23 21 13 23-0032 EA 3/8", 150 LB, Black Malleable Iron 90 Degree Elbow.....	26.99	14.46
<i>For Work In Restricted Working Space, Add</i>	6.51	
<i>For 300 LB Rating, Add</i>	14.02	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.08	
23 21 13 23-0033 EA 1/2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	29.71	17.38
<i>For Work In Restricted Working Space, Add</i>	7.81	
<i>For 300 LB Rating, Add</i>	10.37	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
23 21 13 23-0034 EA 3/4", 150 LB, Black Malleable Iron 90 Degree Elbow.....	33.57	19.44
<i>For Work In Restricted Working Space, Add</i>	8.74	
<i>For 300 LB Rating, Add</i>	12.38	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.07	
23 21 13 23-0035 EA 1", 150 LB, Black Malleable Iron 90 Degree Elbow.....	40.24	21.67
<i>For Work In Restricted Working Space, Add</i>	9.77	
<i>For 300 LB Rating, Add</i>	20.41	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
23 21 13 23-0036 EA 1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow.....	49.53	24.61
<i>For Work In Restricted Working Space, Add</i>	11.05	
<i>For 300 LB Rating, Add</i>	32.67	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.20	
23 21 13 23-0037 EA 1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	58.24	27.73
<i>For Work In Restricted Working Space, Add</i>	12.47	
<i>For 300 LB Rating, Add</i>	42.55	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.27	
23 21 13 23-0038 EA 2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	81.56	35.25
<i>For Work In Restricted Working Space, Add</i>	15.83	
<i>For 300 LB Rating, Add</i>	72.24	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.46	
23 21 13 23-0039 EA 2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	142.23	52.14
<i>For Work In Restricted Working Space, Add</i>	23.43	
<i>For 300 LB Rating, Add</i>	158.57	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.03	
23 21 13 23-0040 EA 3", 150 LB, Black Malleable Iron 90 Degree Elbow.....	196.60	68.55
<i>For Work In Restricted Working Space, Add</i>	30.83	
<i>For 300 LB Rating, Add</i>	231.33	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.50	
23 21 13 23-0041 EA 4", 150 LB, Black Malleable Iron 90 Degree Elbow.....	309.46	71.98
<i>For Work In Restricted Working Space, Add</i>	32.38	
<i>For 300 LB Rating, Add</i>	490.12	
<i>For Standard Weight Cast Iron Fittings, Add</i>	3.22	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0042	EA	5", 150 LB, Black Malleable Iron 90 Degree Elbow.....	701.50	75.12
			<i>For Work In Restricted Working Space, Add</i>	33.79	
			<i>For 300 LB Rating, Add</i>	1,420.05	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	9.42	
23 21	13 23-0043	EA	6", 150 LB, Black Malleable Iron 90 Degree Elbow.....	797.98	78.55
			<i>For Work In Restricted Working Space, Add</i>	35.33	
			<i>For 300 LB Rating, Add</i>	1,639.62	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	10.88	
<b>23 21</b>	<b>13 23-0044</b>		<b>Black Malleable Iron Reducing 90 Degree Elbows</b> <small>(23 21 13 23-0014)</small>		
23 21	13 23-0045	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	30.85	15.92
			<i>For Work In Restricted Working Space, Add</i>	7.16	
			<i>For 300 LB Rating, Add</i>	18.21	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
23 21	13 23-0046	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	34.79	18.36
			<i>For Work In Restricted Working Space, Add</i>	8.28	
			<i>For 300 LB Rating, Add</i>	18.94	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
23 21	13 23-0047	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	35.48	16.99
			<i>For Work In Restricted Working Space, Add</i>	7.63	
			<i>For 300 LB Rating, Add</i>	25.67	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
23 21	13 23-0048	EA	1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	40.10	20.60
			<i>For Work In Restricted Working Space, Add</i>	9.26	
			<i>For 300 LB Rating, Add</i>	24.05	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.15	
23 21	13 23-0049	EA	1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	39.27	19.53
			<i>For Work In Restricted Working Space, Add</i>	8.79	
			<i>For 300 LB Rating, Add</i>	25.71	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
23 21	13 23-0050	EA	1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	46.76	18.06
			<i>For Work In Restricted Working Space, Add</i>	8.14	
			<i>For 300 LB Rating, Add</i>	48.74	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.31	
23 21	13 23-0051	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	50.22	23.14
			<i>For Work In Restricted Working Space, Add</i>	10.41	
			<i>For 300 LB Rating, Add</i>	39.35	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.25	
23 21	13 23-0052	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	50.33	21.97
			<i>For Work In Restricted Working Space, Add</i>	9.90	
			<i>For 300 LB Rating, Add</i>	43.60	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.28	
23 21	13 23-0053	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	51.69	20.99
			<i>For Work In Restricted Working Space, Add</i>	9.43	
			<i>For 300 LB Rating, Add</i>	50.49	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.32	
23 21	13 23-0054	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	61.11	26.17
			<i>For Work In Restricted Working Space, Add</i>	11.76	
			<i>For 300 LB Rating, Add</i>	54.96	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.35	
23 21	13 23-0055	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	58.97	24.71
			<i>For Work In Restricted Working Space, Add</i>	11.12	
			<i>For 300 LB Rating, Add</i>	54.83	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.35	
23 21	13 23-0056	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	60.42	23.53
			<i>For Work In Restricted Working Space, Add</i>	10.60	
			<i>For 300 LB Rating, Add</i>	62.31	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.40	
23 21	13 23-0057	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	78.92	31.44
			<i>For Work In Restricted Working Space, Add</i>	14.15	
			<i>For 300 LB Rating, Add</i>	79.05	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.51	
23 21	13 23-0058	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	80.90	29.88
			<i>For Work In Restricted Working Space, Add</i>	13.44	
			<i>For 300 LB Rating, Add</i>	89.30	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.58	
23 21	13 23-0059	EA	2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	78.75	28.42
			<i>For Work In Restricted Working Space, Add</i>	12.80	
			<i>For 300 LB Rating, Add</i>	89.18	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.58	
23 21	13 23-0060	EA	2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	79.22	27.34
			<i>For Work In Restricted Working Space, Add</i>	12.29	
			<i>For 300 LB Rating, Add</i>	94.28	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.61	
23 21	13 23-0061	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	152.60	43.65
			<i>For Work In Restricted Working Space, Add</i>	19.64	
			<i>For 300 LB Rating, Add</i>	213.09	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.39	
23 21	13 23-0062	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	152.12	39.94
			<i>For Work In Restricted Working Space, Add</i>	17.95	
			<i>For 300 LB Rating, Add</i>	225.06	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0063 EA 3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	253.54	60.34
<i>For Work In Restricted Working Space, Add</i>	27.13	
<i>For 300 LB Rating, Add</i>	396.87	
<i>For Standard Weight Cast Iron Fittings, Add</i>	2.61	
23 21 13 23-0064 EA 3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	218.67	51.84
<i>For Work In Restricted Working Space, Add</i>	23.33	
<i>For 300 LB Rating, Add</i>	342.80	
<i>For Standard Weight Cast Iron Fittings, Add</i>	2.25	
23 21 13 23-0065 EA 4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	381.41	68.46
<i>For Work In Restricted Working Space, Add</i>	30.80	
<i>For 300 LB Rating, Add</i>	675.14	
<i>For Standard Weight Cast Iron Fittings, Add</i>	4.46	
<b>23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows</b> <small>(23 21 13 23-0014)</small>		
23 21 13 23-0067 EA 3/8", 150 LB, Black Malleable Iron 45 Degree Elbow.....	29.67	14.46
<i>For Work In Restricted Working Space, Add</i>	6.51	
<i>For 300 LB Rating, Add</i>	20.45	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
23 21 13 23-0068 EA 1/2", 150 LB, Black Malleable Iron 45 Degree Elbow.....	32.11	17.38
<i>For Work In Restricted Working Space, Add</i>	7.81	
<i>For 300 LB Rating, Add</i>	16.13	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
23 21 13 23-0069 EA 3/4", 150 LB, Black Malleable Iron 45 Degree Elbow.....	36.64	19.44
<i>For Work In Restricted Working Space, Add</i>	8.74	
<i>For 300 LB Rating, Add</i>	19.75	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
23 21 13 23-0070 EA 1", 150 LB, Black Malleable Iron 45 Degree Elbow .....	41.99	21.67
<i>For Work In Restricted Working Space, Add</i>	9.77	
<i>For 300 LB Rating, Add</i>	24.61	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.15	
23 21 13 23-0071 EA 1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow .....	53.54	24.61
<i>For Work In Restricted Working Space, Add</i>	11.05	
<i>For 300 LB Rating, Add</i>	42.29	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.27	
23 21 13 23-0072 EA 1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow .....	62.22	27.73
<i>For Work In Restricted Working Space, Add</i>	12.47	
<i>For 300 LB Rating, Add</i>	52.10	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.33	
23 21 13 23-0073 EA 2", 150 LB, Black Malleable Iron 45 Degree Elbow .....	84.03	35.25
<i>For Work In Restricted Working Space, Add</i>	15.83	
<i>For 300 LB Rating, Add</i>	78.17	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.50	
23 21 13 23-0074 EA 2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow .....	168.52	52.14
<i>For Work In Restricted Working Space, Add</i>	23.43	
<i>For 300 LB Rating, Add</i>	221.67	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.45	
23 21 13 23-0075 EA 3", 150 LB, Black Malleable Iron 45 Degree Elbow .....	220.21	68.55
<i>For Work In Restricted Working Space, Add</i>	30.83	
<i>For 300 LB Rating, Add</i>	288.00	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.88	
23 21 13 23-0076 EA 4", 150 LB, Black Malleable Iron 45 Degree Elbow .....	338.22	71.98
<i>For Work In Restricted Working Space, Add</i>	32.38	
<i>For 300 LB Rating, Add</i>	559.15	
<i>For Standard Weight Cast Iron Fittings, Add</i>	3.68	
23 21 13 23-0077 EA 5", 150 LB, Black Malleable Iron 45 Degree Elbow .....	1,022.25	75.12
<i>For Work In Restricted Working Space, Add</i>	33.79	
<i>For 300 LB Rating, Add</i>	2,189.85	
<i>For Standard Weight Cast Iron Fittings, Add</i>	14.55	
23 21 13 23-0078 EA 6", 150 LB, Black Malleable Iron 45 Degree Elbow .....	1,048.39	78.55
<i>For Work In Restricted Working Space, Add</i>	35.33	
<i>For 300 LB Rating, Add</i>	2,240.60	
<i>For Standard Weight Cast Iron Fittings, Add</i>	14.89	
<b>23 21 13 23-0079 Black Malleable Iron Tees</b> <small>(23 21 13 23-0014)</small>		
23 21 13 23-0080 EA 3/8", 150 LB, Black Malleable Iron Tee.....	34.82	17.87
<i>For Work In Restricted Working Space, Add</i>	8.14	
<i>For 300 LB Rating, Add</i>	20.08	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
23 21 13 23-0081 EA 1/2", 150 LB, Black Malleable Iron Tee.....	37.46	21.67
<i>For Work In Restricted Working Space, Add</i>	9.77	
<i>For 300 LB Rating, Add</i>	13.74	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.08	
23 21 13 23-0082 EA 3/4", 150 LB, Black Malleable Iron Tee.....	44.59	25.09
<i>For Work In Restricted Working Space, Add</i>	11.27	
<i>For 300 LB Rating, Add</i>	19.15	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
23 21 13 23-0083 EA 1", 150 LB, Black Malleable Iron Tee.....	56.45	29.59
<i>For Work In Restricted Working Space, Add</i>	13.31	
<i>For 300 LB Rating, Add</i>	31.63	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.19	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0084	EA	1-1/4", 150 LB, Black Malleable Iron Tee.....	72.32	35.25
			<i>For Work In Restricted Working Space, Add</i>	15.83	
			<i>For 300 LB Rating, Add</i>	50.06	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.31	
23 21	13 23-0085	EA	1-1/2", 150 LB, Black Malleable Iron Tee.....	87.29	41.99
			<i>For Work In Restricted Working Space, Add</i>	18.90	
			<i>For 300 LB Rating, Add</i>	62.10	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.39	
23 21	13 23-0086	EA	2", 150 LB, Black Malleable Iron Tee.....	119.52	52.14
			<i>For Work In Restricted Working Space, Add</i>	23.43	
			<i>For 300 LB Rating, Add</i>	104.07	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.66	
23 21	13 23-0087	EA	2-1/2", 150 LB, Black Malleable Iron Tee.....	192.06	68.55
			<i>For Work In Restricted Working Space, Add</i>	30.83	
			<i>For 300 LB Rating, Add</i>	220.44	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.43	
23 21	13 23-0088	EA	3", 150 LB, Black Malleable Iron Tee.....	253.57	81.43
			<i>For Work In Restricted Working Space, Add</i>	36.62	
			<i>For 300 LB Rating, Add</i>	322.95	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	2.10	
23 21	13 23-0089	EA	4", 150 LB, Black Malleable Iron Tee.....	454.20	90.95
			<i>For Work In Restricted Working Space, Add</i>	40.91	
			<i>For 300 LB Rating, Add</i>	771.02	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	5.09	
23 21	13 23-0090	EA	5", 150 LB, Black Malleable Iron Tee.....	1,125.12	107.97
			<i>For Work In Restricted Working Space, Add</i>	48.57	
			<i>For 300 LB Rating, Add</i>	2,321.42	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	15.41	
23 21	13 23-0091	EA	6", 150 LB, Black Malleable Iron Tee.....	1,218.73	123.42
			<i>For Work In Restricted Working Space, Add</i>	55.51	
			<i>For 300 LB Rating, Add</i>	2,491.96	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	16.54	
<b>23 21 13 23-0092 Black Malleable Iron Reducing Tees (23 21 13 23-0014)</b>					
23 21	13 23-0093	EA	1/2", 150 LB, Black Malleable Iron Reducing Tee.....	40.90	21.67
			<i>For Work In Restricted Working Space, Add</i>	9.77	
			<i>For 300 LB Rating, Add</i>	21.99	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
23 21	13 23-0094	EA	3/4", 150 LB, Black Malleable Iron Reducing Tee.....	48.45	25.09
			<i>For Work In Restricted Working Space, Add</i>	11.27	
			<i>For 300 LB Rating, Add</i>	28.41	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.17	
23 21	13 23-0095	EA	1", 150 LB, Black Malleable Iron Reducing Tee.....	58.12	29.59
			<i>For Work In Restricted Working Space, Add</i>	13.31	
			<i>For 300 LB Rating, Add</i>	35.64	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.22	
23 21	13 23-0096	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Tee.....	79.80	35.25
			<i>For Work In Restricted Working Space, Add</i>	15.83	
			<i>For 300 LB Rating, Add</i>	68.01	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.43	
23 21	13 23-0097	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	92.93	41.99
			<i>For Work In Restricted Working Space, Add</i>	18.90	
			<i>For 300 LB Rating, Add</i>	75.64	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.48	
23 21	13 23-0098	EA	2", 150 LB, Black Malleable Iron Reducing Tee.....	121.57	52.14
			<i>For Work In Restricted Working Space, Add</i>	23.43	
			<i>For 300 LB Rating, Add</i>	108.99	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.70	
23 21	13 23-0099	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	238.21	68.55
			<i>For Work In Restricted Working Space, Add</i>	30.83	
			<i>For 300 LB Rating, Add</i>	331.20	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	2.17	
23 21	13 23-0100	EA	3", 150 LB, Black Malleable Iron Reducing Tee.....	277.18	81.43
			<i>For Work In Restricted Working Space, Add</i>	36.62	
			<i>For 300 LB Rating, Add</i>	379.61	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	2.48	
23 21	13 23-0101	EA	4", 150 LB, Black Malleable Iron Reducing Tee.....	512.54	90.95
			<i>For Work In Restricted Working Space, Add</i>	40.91	
			<i>For 300 LB Rating, Add</i>	911.04	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	6.02	
23 21	13 23-0102	EA	5", 150 LB, Black Malleable Iron Reducing Tee.....	1,034.48	107.97
			<i>For Work In Restricted Working Space, Add</i>	48.57	
			<i>For 300 LB Rating, Add</i>	2,103.88	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	13.96	
23 21	13 23-0103	EA	6", 150 LB, Black Malleable Iron Reducing Tee.....	1,174.73	123.42
			<i>For Work In Restricted Working Space, Add</i>	55.51	
			<i>For 300 LB Rating, Add</i>	2,386.36	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	15.84	

**23 21 13 23-0104 Black Malleable Iron Couplings (23 21 13 23-0014)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0105 EA 3/8", 150 LB, Black Malleable Iron Coupling.....	28.28	14.46
<i>For Work In Restricted Working Space, Add</i>	6.51	
<i>For 300 LB Rating, Add</i>	17.12	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
23 21 13 23-0106 EA 1/2", 150 LB, Black Malleable Iron Coupling.....	31.12	17.38
<i>For Work In Restricted Working Space, Add</i>	7.81	
<i>For 300 LB Rating, Add</i>	13.75	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.08	
23 21 13 23-0107 EA 3/4", 150 LB, Black Malleable Iron Coupling.....	35.08	19.44
<i>For Work In Restricted Working Space, Add</i>	8.74	
<i>For 300 LB Rating, Add</i>	16.00	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
23 21 13 23-0108 EA 1", 150 LB, Black Malleable Iron Coupling.....	41.45	21.67
<i>For Work In Restricted Working Space, Add</i>	9.77	
<i>For 300 LB Rating, Add</i>	23.31	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.14	
23 21 13 23-0109 EA 1-1/4", 150 LB, Black Malleable Iron Coupling.....	48.37	24.61
<i>For Work In Restricted Working Space, Add</i>	11.05	
<i>For 300 LB Rating, Add</i>	29.88	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.18	
23 21 13 23-0110 EA 1-1/2", 150 LB, Black Malleable Iron Coupling.....	57.12	27.73
<i>For Work In Restricted Working Space, Add</i>	12.47	
<i>For 300 LB Rating, Add</i>	39.86	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.25	
23 21 13 23-0111 EA 2", 150 LB, Black Malleable Iron Coupling.....	75.87	35.25
<i>For Work In Restricted Working Space, Add</i>	15.83	
<i>For 300 LB Rating, Add</i>	58.58	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.37	
23 21 13 23-0112 EA 2-1/2", 150 LB, Black Malleable Iron Coupling.....	141.81	52.14
<i>For Work In Restricted Working Space, Add</i>	23.43	
<i>For 300 LB Rating, Add</i>	157.57	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.02	
23 21 13 23-0113 EA 3", 150 LB, Black Malleable Iron Coupling.....	188.91	68.55
<i>For Work In Restricted Working Space, Add</i>	30.83	
<i>For 300 LB Rating, Add</i>	212.88	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.38	
23 21 13 23-0114 EA 4", 150 LB, Black Malleable Iron Coupling.....	281.40	71.98
<i>For Work In Restricted Working Space, Add</i>	32.38	
<i>For 300 LB Rating, Add</i>	422.78	
<i>For Standard Weight Cast Iron Fittings, Add</i>	2.78	
23 21 13 23-0115 EA 5", 150 LB, Black Malleable Iron Coupling.....	601.05	75.12
<i>For Work In Restricted Working Space, Add</i>	33.79	
<i>For 300 LB Rating, Add</i>	1,178.97	
<i>For Standard Weight Cast Iron Fittings, Add</i>	7.81	
23 21 13 23-0116 EA 6", 150 LB, Black Malleable Iron Coupling.....	674.18	78.55
<i>For Work In Restricted Working Space, Add</i>	35.33	
<i>For 300 LB Rating, Add</i>	1,342.50	
<i>For Standard Weight Cast Iron Fittings, Add</i>	8.90	
<b>23 21 13 23-0117 Black Malleable Iron Reducing Couplings</b> <small>(23 21 13 23-0014)</small>	32.34	
23 21 13 23-0118 EA 1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	32.34	17.38
<i>For Work In Restricted Working Space, Add</i>	7.81	
<i>For 300 LB Rating, Add</i>	16.68	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
23 21 13 23-0119 EA 3/4", 150 LB, Black Malleable Iron Reducing Coupling.....	35.81	19.44
<i>For Work In Restricted Working Space, Add</i>	8.74	
<i>For 300 LB Rating, Add</i>	17.76	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
23 21 13 23-0120 EA 1", 150 LB, Black Malleable Iron Reducing Coupling.....	42.94	21.67
<i>For Work In Restricted Working Space, Add</i>	9.77	
<i>For 300 LB Rating, Add</i>	26.89	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.17	
23 21 13 23-0121 EA 1-1/4", 150 LB, Black Malleable Iron Reducing Coupling.....	50.20	24.61
<i>For Work In Restricted Working Space, Add</i>	11.05	
<i>For 300 LB Rating, Add</i>	34.27	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.21	
23 21 13 23-0122 EA 1-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	58.43	27.73
<i>For Work In Restricted Working Space, Add</i>	12.47	
<i>For 300 LB Rating, Add</i>	43.01	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.27	
23 21 13 23-0123 EA 2", 150 LB, Black Malleable Iron Reducing Coupling.....	77.24	35.25
<i>For Work In Restricted Working Space, Add</i>	15.83	
<i>For 300 LB Rating, Add</i>	61.87	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.39	
23 21 13 23-0124 EA 2-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	150.41	52.14
<i>For Work In Restricted Working Space, Add</i>	23.43	
<i>For 300 LB Rating, Add</i>	178.21	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.16	
23 21 13 23-0125 EA 3", 150 LB, Black Malleable Iron Reducing Coupling.....	190.67	68.55
<i>For Work In Restricted Working Space, Add</i>	30.83	
<i>For 300 LB Rating, Add</i>	217.10	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.41	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0126 EA 4", 150 LB, Black Malleable Iron Reducing Coupling.....	284.11	71.98
For Work In Restricted Working Space, Add	32.38	
For 300 LB Rating, Add	429.28	
For Standard Weight Cast Iron Fittings, Add	2.82	
23 21 13 23-0127 EA 5", 150 LB, Black Malleable Iron Reducing Coupling.....	508.59	75.12
For Work In Restricted Working Space, Add	33.79	
For 300 LB Rating, Add	957.06	
For Standard Weight Cast Iron Fittings, Add	6.34	
23 21 13 23-0128 EA 6", 150 LB, Black Malleable Iron Reducing Coupling.....	626.33	78.55
For Work In Restricted Working Space, Add	35.33	
For 300 LB Rating, Add	1,227.66	
For Standard Weight Cast Iron Fittings, Add	8.14	
<b>23 21 13 23-0129 Black Malleable Iron Caps (23 21 13 23-0014)</b>		
23 21 13 23-0130 EA 1/2", 150 LB, Black Malleable Iron Cap.....	15.42	7.71
For Work In Restricted Working Space, Add	3.51	
For 300 LB Rating, Add	9.61	
For Standard Weight Cast Iron Fittings, Add	0.06	
23 21 13 23-0131 EA 3/4", 150 LB, Black Malleable Iron Cap.....	18.13	8.69
For Work In Restricted Working Space, Add	3.93	
For 300 LB Rating, Add	12.83	
For Standard Weight Cast Iron Fittings, Add	0.08	
23 21 13 23-0132 EA 1", 150 LB, Black Malleable Iron Cap.....	20.73	9.67
For Work In Restricted Working Space, Add	4.40	
For 300 LB Rating, Add	15.47	
For Standard Weight Cast Iron Fittings, Add	0.10	
23 21 13 23-0133 EA 1-1/4", 150 LB, Black Malleable Iron Cap.....	24.59	10.94
For Work In Restricted Working Space, Add	4.97	
For 300 LB Rating, Add	20.22	
For Standard Weight Cast Iron Fittings, Add	0.13	
23 21 13 23-0134 EA 1-1/2", 150 LB, Black Malleable Iron Cap.....	29.71	12.30
For Work In Restricted Working Space, Add	5.61	
For 300 LB Rating, Add	27.55	
For Standard Weight Cast Iron Fittings, Add	0.18	
23 21 13 23-0135 EA 2", 150 LB, Black Malleable Iron Cap.....	39.82	15.72
For Work In Restricted Working Space, Add	7.13	
For 300 LB Rating, Add	39.99	
For Standard Weight Cast Iron Fittings, Add	0.26	
23 21 13 23-0136 EA 2-1/2", 150 LB, Black Malleable Iron Cap.....	72.02	23.24
For Work In Restricted Working Space, Add	10.55	
For 300 LB Rating, Add	90.60	
For Standard Weight Cast Iron Fittings, Add	0.59	
23 21 13 23-0137 EA 3", 150 LB, Black Malleable Iron Cap.....	100.62	30.56
For Work In Restricted Working Space, Add	13.88	
For 300 LB Rating, Add	133.26	
For Standard Weight Cast Iron Fittings, Add	0.87	
23 21 13 23-0138 EA 4", 150 LB, Black Malleable Iron Cap.....	141.81	32.10
For Work In Restricted Working Space, Add	14.57	
For 300 LB Rating, Add	226.69	
For Standard Weight Cast Iron Fittings, Add	1.49	
23 21 13 23-0139 EA 5", 150 LB, Black Malleable Iron Cap.....	272.91	33.49
For Work In Restricted Working Space, Add	15.20	
For 300 LB Rating, Add	536.39	
For Standard Weight Cast Iron Fittings, Add	3.56	
23 21 13 23-0140 EA 6", 150 LB, Black Malleable Iron Cap.....	460.36	34.98
For Work In Restricted Working Space, Add	15.90	
For 300 LB Rating, Add	980.87	
For Standard Weight Cast Iron Fittings, Add	6.52	
<b>23 21 13 23-0141 Black Malleable Iron Unions (23 21 13 23-0014)</b>		
23 21 13 23-0142 EA 3/8", 150 LB, Black Malleable Iron Union.....	39.49	14.46
For Work In Restricted Working Space, Add	6.51	
23 21 13 23-0143 EA 1/2", 150 LB, Black Malleable Iron Union.....	48.66	21.67
For Work In Restricted Working Space, Add	9.77	
23 21 13 23-0144 EA 3/4", 150 LB, Black Malleable Iron Union.....	56.07	25.09
For Work In Restricted Working Space, Add	11.27	
23 21 13 23-0145 EA 1", 150 LB, Black Malleable Iron Union.....	68.53	29.59
For Work In Restricted Working Space, Add	13.31	
23 21 13 23-0146 EA 1-1/4", 150 LB, Black Malleable Iron Union.....	87.41	35.25
For Work In Restricted Working Space, Add	15.83	
23 21 13 23-0147 EA 1-1/2", 150 LB, Black Malleable Iron Union.....	106.17	41.99
For Work In Restricted Working Space, Add	18.90	
23 21 13 23-0148 EA 2", 150 LB, Black Malleable Iron Union.....	128.32	52.14
For Work In Restricted Working Space, Add	23.43	
23 21 13 23-0149 EA 2-1/2", 150 LB, Black Malleable Iron Union.....	264.88	76.84
For Work In Restricted Working Space, Add	34.59	
23 21 13 23-0150 EA 3", 150 LB, Black Malleable Iron Union.....	331.78	101.06
For Work In Restricted Working Space, Add	45.52	
23 21 13 23-0151 EA 3/8", 250 LB, Black Malleable Iron Union.....	45.22	14.46
For Work In Restricted Working Space, Add	6.51	
23 21 13 23-0152 EA 1/2", 250 LB, Black Malleable Iron Union.....	59.53	21.67
For Work In Restricted Working Space, Add	9.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0153 EA 3/4", 250 LB, Black Malleable Iron Union.....	64.10	25.09
<i>For Work In Restricted Working Space, Add</i>	11.27	
23 21 13 23-0154 EA 1", 250 LB, Black Malleable Iron Union.....	76.95	29.59
<i>For Work In Restricted Working Space, Add</i>	13.31	
23 21 13 23-0155 EA 1-1/4", 250 LB, Black Malleable Iron Union .....	107.43	35.25
<i>For Work In Restricted Working Space, Add</i>	15.83	
23 21 13 23-0156 EA 1-1/2", 250 LB, Black Malleable Iron Union .....	125.92	41.99
<i>For Work In Restricted Working Space, Add</i>	18.90	
23 21 13 23-0157 EA 2", 250 LB, Black Malleable Iron Union.....	158.85	52.14
<i>For Work In Restricted Working Space, Add</i>	23.43	
23 21 13 23-0158 EA 2-1/2", 250 LB, Black Malleable Iron Union .....	368.37	76.84
<i>For Work In Restricted Working Space, Add</i>	34.59	
23 21 13 23-0159 EA 3", 250 LB, Black Malleable Iron Union.....	447.89	101.06
<i>For Work In Restricted Working Space, Add</i>	45.52	
23 21 13 23-0160 EA 4", 250 LB, Black Malleable Iron Union.....	684.31	106.21
<i>For Work In Restricted Working Space, Add</i>	47.80	
23 21 13 23-0161 EA 3/8", 300 LB, Black Malleable Iron Union.....	59.87	14.46
<i>For Work In Restricted Working Space, Add</i>	6.51	
23 21 13 23-0162 EA 1/2", 300 LB, Black Malleable Iron Union.....	63.43	21.67
<i>For Work In Restricted Working Space, Add</i>	9.76	
23 21 13 23-0163 EA 3/4", 300 LB, Black Malleable Iron Union.....	71.75	25.09
<i>For Work In Restricted Working Space, Add</i>	11.27	
23 21 13 23-0164 EA 1", 300 LB, Black Malleable Iron Union.....	89.03	29.59
<i>For Work In Restricted Working Space, Add</i>	13.31	
23 21 13 23-0165 EA 1-1/4", 300 LB, Black Malleable Iron Union .....	125.61	35.25
<i>For Work In Restricted Working Space, Add</i>	15.83	
23 21 13 23-0166 EA 1-1/2", 300 LB, Black Malleable Iron Union .....	139.27	41.99
<i>For Work In Restricted Working Space, Add</i>	18.90	
23 21 13 23-0167 EA 2", 300 LB, Black Malleable Iron Union.....	172.59	52.14
<i>For Work In Restricted Working Space, Add</i>	23.43	
23 21 13 23-0168 EA 2-1/2", 300 LB, Black Malleable Iron Union .....	419.93	76.84
<i>For Work In Restricted Working Space, Add</i>	34.59	
23 21 13 23-0169 EA 3", 300 LB, Black Malleable Iron Union.....	545.80	101.06
<i>For Work In Restricted Working Space, Add</i>	45.52	
23 21 13 23-0170 EA 4", 300 LB, Black Malleable Iron Union.....	1,410.11	106.21
<i>For Work In Restricted Working Space, Add</i>	47.80	
<b>23 21 13 23-0171 Black Steel Nipples</b> <small>(23 21 13 23-0014)</small>		
23 21 13 23-0172 EA 3/8" x Close, Schedule 40 Black Steel Nipple.....	16.09	9.27
<i>For Schedule 80 Nipples, Add</i>	1.07	
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21 13 23-0173 EA 1/2" x Close, Schedule 40 Black Steel Nipple.....	15.76	9.27
<i>For Schedule 80 Nipples, Add</i>	0.91	
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21 13 23-0174 EA 3/4" x Close, Schedule 40 Black Steel Nipple.....	16.02	9.27
<i>For Schedule 80 Nipples, Add</i>	1.04	
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21 13 23-0175 EA 1" x Close, Schedule 40 Black Steel Nipple.....	18.03	10.06
<i>For Schedule 80 Nipples, Add</i>	1.51	
<i>For Work In Restricted Working Space, Add</i>	4.51	
23 21 13 23-0176 EA 1-1/4" x Close, Schedule 40 Black Steel Nipple .....	20.08	10.84
<i>For Schedule 80 Nipples, Add</i>	1.91	
<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21 13 23-0177 EA 1-1/2" x Close, Schedule 40 Black Steel Nipple .....	21.02	10.84
<i>For Schedule 80 Nipples, Add</i>	2.38	
<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21 13 23-0178 EA 2" x Close, Schedule 40 Black Steel Nipple.....	27.47	13.96
<i>For Schedule 80 Nipples, Add</i>	3.24	
<i>For Work In Restricted Working Space, Add</i>	6.30	
23 21 13 23-0179 EA 2-1/2" x Close, Schedule 40 Black Steel Nipple .....	46.29	17.38
<i>For Schedule 80 Nipples, Add</i>	10.13	
<i>For Work In Restricted Working Space, Add</i>	7.81	
23 21 13 23-0180 EA 3" x Close, Schedule 40 Black Steel Nipple.....	55.56	20.99
<i>For Schedule 80 Nipples, Add</i>	12.03	
<i>For Work In Restricted Working Space, Add</i>	9.45	
23 21 13 23-0181 EA 4" x Close, Schedule 40 Black Steel Nipple.....	73.25	24.70
<i>For Schedule 80 Nipples, Add</i>	18.12	
<i>For Work In Restricted Working Space, Add</i>	11.10	
23 21 13 23-0182 EA 3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple .....	16.38	9.27
<i>For Schedule 80 Nipples, Add</i>	1.22	
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21 13 23-0183 EA 1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple .....	15.76	9.27
<i>For Schedule 80 Nipples, Add</i>	0.91	
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21 13 23-0184 EA 3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple .....	16.18	9.27
<i>For Schedule 80 Nipples, Add</i>	1.12	
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21 13 23-0185 EA 3/8" x 2" Long, Schedule 40 Black Steel Nipple.....	16.38	9.27
<i>For Schedule 80 Nipples, Add</i>	1.22	
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21 13 23-0186 EA 1/2" x 2" Long, Schedule 40 Black Steel Nipple.....	15.76	9.27
<i>For Schedule 80 Nipples, Add</i>	0.91	
<i>For Work In Restricted Working Space, Add</i>	4.19	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple.....	16.18	9.27
			<i>For Schedule 80 Nipples, Add</i>	1.12	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21	13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple.....	18.32	10.06
			<i>For Schedule 80 Nipples, Add</i>	1.65	
			<i>For Work In Restricted Working Space, Add</i>	4.51	
23 21	13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple.....	20.60	10.84
			<i>For Schedule 80 Nipples, Add</i>	2.17	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21	13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple.....	21.40	10.84
			<i>For Schedule 80 Nipples, Add</i>	2.57	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21	13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	17.07	9.27
			<i>For Schedule 80 Nipples, Add</i>	1.56	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21	13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	16.09	9.27
			<i>For Schedule 80 Nipples, Add</i>	1.07	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21	13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	16.47	9.27
			<i>For Schedule 80 Nipples, Add</i>	1.26	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21	13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	18.52	10.06
			<i>For Schedule 80 Nipples, Add</i>	1.75	
			<i>For Work In Restricted Working Space, Add</i>	4.51	
23 21	13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	20.86	10.84
			<i>For Schedule 80 Nipples, Add</i>	2.30	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21	13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	22.00	10.84
			<i>For Schedule 80 Nipples, Add</i>	2.87	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21	13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	28.43	13.96
			<i>For Schedule 80 Nipples, Add</i>	3.72	
			<i>For Work In Restricted Working Space, Add</i>	6.30	
23 21	13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple.....	17.07	9.27
			<i>For Schedule 80 Nipples, Add</i>	1.56	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21	13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	16.09	9.27
			<i>For Schedule 80 Nipples, Add</i>	1.07	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21	13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple.....	16.47	9.27
			<i>For Schedule 80 Nipples, Add</i>	1.26	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21	13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple.....	18.52	10.06
			<i>For Schedule 80 Nipples, Add</i>	1.75	
			<i>For Work In Restricted Working Space, Add</i>	4.51	
23 21	13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple.....	20.86	10.84
			<i>For Schedule 80 Nipples, Add</i>	2.30	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21	13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	22.00	10.84
			<i>For Schedule 80 Nipples, Add</i>	2.87	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21	13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple.....	28.43	13.96
			<i>For Schedule 80 Nipples, Add</i>	3.72	
			<i>For Work In Restricted Working Space, Add</i>	6.30	
23 21	13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	46.82	17.38
			<i>For Schedule 80 Nipples, Add</i>	10.39	
			<i>For Work In Restricted Working Space, Add</i>	7.81	
23 21	13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple.....	57.66	20.99
			<i>For Schedule 80 Nipples, Add</i>	13.08	
			<i>For Work In Restricted Working Space, Add</i>	9.45	
23 21	13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	17.63	9.27
			<i>For Schedule 80 Nipples, Add</i>	1.84	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21	13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	16.51	9.27
			<i>For Schedule 80 Nipples, Add</i>	1.28	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21	13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	17.07	9.27
			<i>For Schedule 80 Nipples, Add</i>	1.56	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21	13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	19.35	10.06
			<i>For Schedule 80 Nipples, Add</i>	2.17	
			<i>For Work In Restricted Working Space, Add</i>	4.51	
23 21	13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	21.71	10.84
			<i>For Schedule 80 Nipples, Add</i>	2.72	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21	13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	22.69	10.84
			<i>For Schedule 80 Nipples, Add</i>	3.21	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21	13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	29.99	13.96
			<i>For Schedule 80 Nipples, Add</i>	4.50	
			<i>For Work In Restricted Working Space, Add</i>	6.30	
23 21	13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	50.48	17.38
			<i>For Schedule 80 Nipples, Add</i>	12.22	
			<i>For Work In Restricted Working Space, Add</i>	7.81	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0215 EA 3" x 3-1/2" Long, Schedule 40 Black Steel Nipple .....	62.47	20.99
<i>For Schedule 80 Nipples, Add</i>	15.49	
<i>For Work In Restricted Working Space, Add</i>	9.45	
23 21 13 23-0216 EA 3/8" x 4" Long, Schedule 40 Black Steel Nipple.....	17.63	9.27
<i>For Schedule 80 Nipples, Add</i>	1.84	
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21 13 23-0217 EA 1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	16.51	9.27
<i>For Schedule 80 Nipples, Add</i>	1.28	
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21 13 23-0218 EA 3/4" x 4" Long, Schedule 40 Black Steel Nipple.....	17.07	9.27
<i>For Schedule 80 Nipples, Add</i>	1.56	
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21 13 23-0219 EA 1" x 4" Long, Schedule 40 Black Steel Nipple.....	19.35	10.06
<i>For Schedule 80 Nipples, Add</i>	2.17	
<i>For Work In Restricted Working Space, Add</i>	4.51	
23 21 13 23-0220 EA 1-1/4" x 4" Long, Schedule 40 Black Steel Nipple .....	21.71	10.84
<i>For Schedule 80 Nipples, Add</i>	2.72	
<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21 13 23-0221 EA 1-1/2" x 4" Long, Schedule 40 Black Steel Nipple .....	22.69	10.84
<i>For Schedule 80 Nipples, Add</i>	3.21	
<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21 13 23-0222 EA 2" x 4" Long, Schedule 40 Black Steel Nipple.....	29.99	13.96
<i>For Schedule 80 Nipples, Add</i>	4.50	
<i>For Work In Restricted Working Space, Add</i>	6.30	
23 21 13 23-0223 EA 2-1/2" x 4" Long, Schedule 40 Black Steel Nipple .....	50.48	17.38
<i>For Schedule 80 Nipples, Add</i>	12.22	
<i>For Work In Restricted Working Space, Add</i>	7.81	
23 21 13 23-0224 EA 3" x 4" Long, Schedule 40 Black Steel Nipple.....	62.47	20.99
<i>For Schedule 80 Nipples, Add</i>	15.49	
<i>For Work In Restricted Working Space, Add</i>	9.45	
23 21 13 23-0225 EA 4" x 4" Long, Schedule 40 Black Steel Nipple.....	78.93	24.70
<i>For Schedule 80 Nipples, Add</i>	20.96	
<i>For Work In Restricted Working Space, Add</i>	11.10	
23 21 13 23-0226 EA 3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	19.26	9.27
<i>For Schedule 80 Nipples, Add</i>	2.66	
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21 13 23-0227 EA 1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	16.96	9.27
<i>For Schedule 80 Nipples, Add</i>	1.51	
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21 13 23-0228 EA 3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	17.87	9.27
<i>For Schedule 80 Nipples, Add</i>	1.96	
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21 13 23-0229 EA 1" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	20.15	10.06
<i>For Schedule 80 Nipples, Add</i>	2.57	
<i>For Work In Restricted Working Space, Add</i>	4.51	
23 21 13 23-0230 EA 1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	22.78	10.84
<i>For Schedule 80 Nipples, Add</i>	3.26	
<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21 13 23-0231 EA 1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	24.12	10.84
<i>For Schedule 80 Nipples, Add</i>	3.93	
<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21 13 23-0232 EA 2" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	31.35	13.96
<i>For Schedule 80 Nipples, Add</i>	5.18	
<i>For Work In Restricted Working Space, Add</i>	6.30	
23 21 13 23-0233 EA 2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	52.89	17.38
<i>For Schedule 80 Nipples, Add</i>	13.43	
<i>For Work In Restricted Working Space, Add</i>	7.81	
23 21 13 23-0234 EA 3" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	65.66	20.99
<i>For Schedule 80 Nipples, Add</i>	17.08	
<i>For Work In Restricted Working Space, Add</i>	9.45	
23 21 13 23-0235 EA 4" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	84.91	24.70
<i>For Schedule 80 Nipples, Add</i>	23.95	
<i>For Work In Restricted Working Space, Add</i>	11.10	
23 21 13 23-0236 EA 3/8" x 5" Long, Schedule 40 Black Steel Nipple.....	19.26	9.27
<i>For Schedule 80 Nipples, Add</i>	2.66	
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21 13 23-0237 EA 1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	16.96	9.27
<i>For Schedule 80 Nipples, Add</i>	1.51	
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21 13 23-0238 EA 3/4" x 5" Long, Schedule 40 Black Steel Nipple.....	17.87	9.27
<i>For Schedule 80 Nipples, Add</i>	1.96	
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21 13 23-0239 EA 1" x 5" Long, Schedule 40 Black Steel Nipple.....	20.15	10.06
<i>For Schedule 80 Nipples, Add</i>	2.57	
<i>For Work In Restricted Working Space, Add</i>	4.51	
23 21 13 23-0240 EA 1-1/4" x 5" Long, Schedule 40 Black Steel Nipple .....	22.78	10.84
<i>For Schedule 80 Nipples, Add</i>	3.26	
<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21 13 23-0241 EA 1-1/2" x 5" Long, Schedule 40 Black Steel Nipple .....	24.12	10.84
<i>For Schedule 80 Nipples, Add</i>	3.93	
<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21 13 23-0242 EA 2" x 5" Long, Schedule 40 Black Steel Nipple.....	31.35	13.96
<i>For Schedule 80 Nipples, Add</i>	5.18	
<i>For Work In Restricted Working Space, Add</i>	6.30	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.89 13.43 7.81	17.38
23 21	13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.66 17.08 9.45	20.99
23 21	13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.91 23.95 11.10	24.70
23 21	13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.86 2.96 4.19	9.27
23 21	13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.32 1.69 4.19	9.27
23 21	13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.41 2.23 4.19	9.27
23 21	13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.09 3.04 4.51	10.06
23 21	13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.99 3.86 4.88	10.84
23 21	13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.28 4.51 4.88	10.84
23 21	13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.13 6.07 6.30	13.96
23 21	13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.03 14.00 7.81	17.38
23 21	13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.63 18.57 9.45	20.99
23 21	13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.21 25.60 11.10	24.70
23 21	13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.32 5.19 4.19	9.27
23 21	13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.02 3.04 4.19	9.27
23 21	13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.38 3.72 4.19	9.27
23 21	13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.94 4.96 4.51	10.06
23 21	13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.74 6.24 4.88	10.84
23 21	13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.56 7.15 4.88	10.84
23 21	13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.34 10.17 6.30	13.96
23 21	13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.65 17.81 7.81	17.38
23 21	13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.58 25.04 9.45	20.99
23 21	13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.10 29.55 11.10	24.70
23 21	13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.59 5.82 4.19	9.27
23 21	13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.24 3.65 4.19	9.27
23 21	13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.58 4.32 4.19	9.27
23 21	13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.62 5.80 4.51	10.06
23 21	13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.21 7.47 4.88	10.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0271 EA 1-1/2" x 10" Long, Schedule 40 Black Steel Nipple .....	32.99	10.84
<i>For Schedule 80 Nipples, Add</i>	8.36	
<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21 13 23-0272 EA 2" x 10" Long, Schedule 40 Black Steel Nipple.....	44.90	13.96
<i>For Schedule 80 Nipples, Add</i>	11.95	
<i>For Work In Restricted Working Space, Add</i>	6.30	
23 21 13 23-0273 EA 2-1/2" x 10" Long, Schedule 40 Black Steel Nipple .....	66.04	17.38
<i>For Schedule 80 Nipples, Add</i>	20.00	
<i>For Work In Restricted Working Space, Add</i>	7.81	
23 21 13 23-0274 EA 3" x 10" Long, Schedule 40 Black Steel Nipple.....	87.76	20.99
<i>For Schedule 80 Nipples, Add</i>	28.13	
<i>For Work In Restricted Working Space, Add</i>	9.45	
23 21 13 23-0275 EA 4" x 10" Long, Schedule 40 Black Steel Nipple.....	104.31	24.70
<i>For Schedule 80 Nipples, Add</i>	33.65	
<i>For Work In Restricted Working Space, Add</i>	11.10	
23 21 13 23-0276 EA 3/8" x 12" Long, Schedule 40 Black Steel Nipple.....	27.20	9.27
<i>For Schedule 80 Nipples, Add</i>	6.63	
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21 13 23-0277 EA 1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	22.60	9.27
<i>For Schedule 80 Nipples, Add</i>	4.33	
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21 13 23-0278 EA 3/4" x 12" Long, Schedule 40 Black Steel Nipple.....	23.54	9.27
<i>For Schedule 80 Nipples, Add</i>	4.80	
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 21 13 23-0279 EA 1" x 12" Long, Schedule 40 Black Steel Nipple.....	28.33	10.06
<i>For Schedule 80 Nipples, Add</i>	6.66	
<i>For Work In Restricted Working Space, Add</i>	4.51	
23 21 13 23-0280 EA 1-1/4" x 12" Long, Schedule 40 Black Steel Nipple .....	33.22	10.84
<i>For Schedule 80 Nipples, Add</i>	8.48	
<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21 13 23-0281 EA 1-1/2" x 12" Long, Schedule 40 Black Steel Nipple .....	35.54	10.84
<i>For Schedule 80 Nipples, Add</i>	9.64	
<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21 13 23-0282 EA 2" x 12" Long, Schedule 40 Black Steel Nipple.....	48.52	13.96
<i>For Schedule 80 Nipples, Add</i>	13.76	
<i>For Work In Restricted Working Space, Add</i>	6.30	
23 21 13 23-0283 EA 2-1/2" x 12" Long, Schedule 40 Black Steel Nipple .....	70.55	17.38
<i>For Schedule 80 Nipples, Add</i>	22.26	
<i>For Work In Restricted Working Space, Add</i>	7.81	
23 21 13 23-0284 EA 3" x 12" Long, Schedule 40 Black Steel Nipple.....	93.94	20.99
<i>For Schedule 80 Nipples, Add</i>	31.22	
<i>For Work In Restricted Working Space, Add</i>	9.45	
23 21 13 23-0285 EA 4" x 12" Long, Schedule 40 Black Steel Nipple.....	115.90	24.70
<i>For Schedule 80 Nipples, Add</i>	39.45	
<i>For Work In Restricted Working Space, Add</i>	11.10	
<b>23 21 13 23-0286 Black Malleable Iron Bushing <small>(2321 13 23-0014)</small></b>		
23 21 13 23-0287 EA 1/2" x 3/8", 150 LB, Black Malleable Iron Bushing .....	29.50	15.92
<i>For Work In Restricted Working Space, Add</i>	7.16	
23 21 13 23-0288 EA 3/4" x 3/8", 150 LB, Black Malleable Iron Bushing .....	33.77	17.09
<i>For Work In Restricted Working Space, Add</i>	7.69	
23 21 13 23-0289 EA 3/4" x 1/2", 150 LB, Black Malleable Iron Bushing .....	35.72	18.36
<i>For Work In Restricted Working Space, Add</i>	8.28	
23 21 13 23-0290 EA 1" x 3/8", 150 LB, Black Malleable Iron Bushing.....	38.55	18.26
<i>For Work In Restricted Working Space, Add</i>	8.20	
23 21 13 23-0291 EA 1" x 1/2", 150 LB, Black Malleable Iron Bushing .....	37.67	19.53
<i>For Work In Restricted Working Space, Add</i>	8.79	
23 21 13 23-0292 EA 1" x 3/4", 150 LB, Black Malleable Iron Bushing .....	39.23	20.60
<i>For Work In Restricted Working Space, Add</i>	9.26	
23 21 13 23-0293 EA 1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing.....	42.07	19.63
<i>For Work In Restricted Working Space, Add</i>	8.85	
23 21 13 23-0294 EA 1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing.....	43.45	20.99
<i>For Work In Restricted Working Space, Add</i>	9.43	
23 21 13 23-0295 EA 1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing.....	43.80	21.97
<i>For Work In Restricted Working Space, Add</i>	9.90	
23 21 13 23-0296 EA 1-1/4" x 1", 150 LB, Black Malleable Iron Bushing.....	45.50	23.14
<i>For Work In Restricted Working Space, Add</i>	10.41	
23 21 13 23-0297 EA 1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing.....	48.43	21.29
<i>For Work In Restricted Working Space, Add</i>	9.55	
23 21 13 23-0298 EA 1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing.....	47.47	22.55
<i>For Work In Restricted Working Space, Add</i>	10.14	
23 21 13 23-0299 EA 1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing.....	49.02	23.53
<i>For Work In Restricted Working Space, Add</i>	10.60	
23 21 13 23-0300 EA 1-1/2" x 1", 150 LB, Black Malleable Iron Bushing.....	49.06	24.71
<i>For Work In Restricted Working Space, Add</i>	11.12	
23 21 13 23-0301 EA 1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	52.91	26.17
<i>For Work In Restricted Working Space, Add</i>	11.76	
23 21 13 23-0302 EA 2" x 3/8", 150 LB, Black Malleable Iron Bushing .....	60.89	25.00
<i>For Work In Restricted Working Space, Add</i>	11.24	
23 21 13 23-0303 EA 2" x 1/2", 150 LB, Black Malleable Iron Bushing.....	60.06	26.27
<i>For Work In Restricted Working Space, Add</i>	11.82	
23 21 13 23-0304 EA 2" x 3/4", 150 LB, Black Malleable Iron Bushing .....	58.43	27.34
<i>For Work In Restricted Working Space, Add</i>	12.29	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0305 EA 2" x 1", 150 LB, Black Malleable Iron Bushing.....	59.03	28.42
For Work In Restricted Working Space, Add	12.80	
23 21 13 23-0306 EA 2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	61.18	29.88
For Work In Restricted Working Space, Add	13.44	
23 21 13 23-0307 EA 2" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	65.38	31.44
For Work In Restricted Working Space, Add	14.15	
23 21 13 23-0308 EA 2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing.....	83.39	35.74
For Work In Restricted Working Space, Add	16.09	
23 21 13 23-0309 EA 2-1/2" x 1", 150 LB, Black Malleable Iron Bushing.....	85.08	36.91
For Work In Restricted Working Space, Add	16.60	
23 21 13 23-0310 EA 2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	87.23	38.28
For Work In Restricted Working Space, Add	17.24	
23 21 13 23-0311 EA 2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	87.55	39.94
For Work In Restricted Working Space, Add	17.95	
23 21 13 23-0312 EA 2-1/2" x 2", 150 LB, Black Malleable Iron Bushing.....	92.94	43.65
For Work In Restricted Working Space, Add	19.64	
23 21 13 23-0313 EA 3" x 3/4", 150 LB, Black Malleable Iron Bushing.....	107.11	43.94
For Work In Restricted Working Space, Add	19.79	
23 21 13 23-0314 EA 3" x 1", 150 LB, Black Malleable Iron Bushing.....	108.80	45.11
For Work In Restricted Working Space, Add	20.30	
23 21 13 23-0315 EA 3" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	110.96	46.57
For Work In Restricted Working Space, Add	20.95	
23 21 13 23-0316 EA 3" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	112.51	48.13
For Work In Restricted Working Space, Add	21.65	
23 21 13 23-0317 EA 3" x 2", 150 LB, Black Malleable Iron Bushing.....	115.48	51.84
For Work In Restricted Working Space, Add	23.33	
23 21 13 23-0318 EA 3" x 2-1/2", 150 LB, Black Malleable Iron Bushing.....	128.70	60.34
For Work In Restricted Working Space, Add	27.13	
23 21 13 23-0319 EA 4" x 3/4", 150 LB, Black Malleable Iron Bushing.....	146.70	45.15
For Work In Restricted Working Space, Add	20.34	
23 21 13 23-0320 EA 4" x 1", 150 LB, Black Malleable Iron Bushing.....	148.30	46.26
For Work In Restricted Working Space, Add	20.82	
23 21 13 23-0321 EA 4" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	150.34	47.65
For Work In Restricted Working Space, Add	21.43	
23 21 13 23-0322 EA 4" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	152.57	49.13
For Work In Restricted Working Space, Add	22.10	
23 21 13 23-0323 EA 4" x 2", 150 LB, Black Malleable Iron Bushing.....	153.65	52.65
For Work In Restricted Working Space, Add	23.69	
23 21 13 23-0324 EA 4" x 2-1/2", 150 LB, Black Malleable Iron Bushing.....	165.65	60.69
For Work In Restricted Working Space, Add	27.29	
23 21 13 23-0325 EA 4" x 3", 150 LB, Black Malleable Iron Bushing.....	177.34	68.46
For Work In Restricted Working Space, Add	30.80	
<b>23 21 13 23-0326 Black Malleable Iron Square Head Plugs (23 21 13 23-0014)</b>		
23 21 13 23-0327 EA 3/8", 150 LB, Black Malleable Iron Square Head Plug.....	12.99	5.76
For Work In Restricted Working Space, Add	2.60	
23 21 13 23-0328 EA 1/2", 150 LB, Black Malleable Iron Square Head Plug.....	15.02	6.94
For Work In Restricted Working Space, Add	3.13	
23 21 13 23-0329 EA 3/4", 150 LB, Black Malleable Iron Square Head Plug.....	16.26	7.81
For Work In Restricted Working Space, Add	3.50	
23 21 13 23-0330 EA 1", 150 LB, Black Malleable Iron Square Head Plug.....	18.79	8.69
For Work In Restricted Working Space, Add	3.90	
23 21 13 23-0331 EA 1-1/4", 150 LB, Black Malleable Iron Square Head Plug.....	22.02	9.86
For Work In Restricted Working Space, Add	4.42	
23 21 13 23-0332 EA 1-1/2", 150 LB, Black Malleable Iron Square Head Plug.....	26.77	11.04
For Work In Restricted Working Space, Add	4.99	
23 21 13 23-0333 EA 2", 150 LB, Black Malleable Iron Square Head Plug.....	35.54	14.06
For Work In Restricted Working Space, Add	6.33	
23 21 13 23-0334 EA 2-1/2", 150 LB, Black Malleable Iron Square Head Plug.....	57.52	20.80
For Work In Restricted Working Space, Add	9.38	
23 21 13 23-0335 EA 3", 150 LB, Black Malleable Iron Square Head Plug.....	77.18	27.44
For Work In Restricted Working Space, Add	12.34	
23 21 13 23-0336 EA 4", 150 LB, Black Malleable Iron Square Head Plug.....	118.83	28.77
For Work In Restricted Working Space, Add	12.95	
23 21 13 23-0337 EA 5", 150 LB, Black Malleable Iron Square Head Plug.....	207.54	30.07
For Work In Restricted Working Space, Add	13.52	
23 21 13 23-0338 EA 6", 150 LB, Black Malleable Iron Square Head Plug.....	248.35	31.36
For Work In Restricted Working Space, Add	14.13	
<b>23 21 13 23-0339 125 LB Black Cast Iron Screwed Flanges (23 21 13 23-0014)</b>		
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21 13 23-0340 EA 3/4", 125 LB, Black Cast Iron Flange.....	140.95	39.05
For Work In Restricted Working Space, Add	17.58	
23 21 13 23-0341 EA 1", 125 LB, Black Cast Iron Flange.....	118.58	44.13
For Work In Restricted Working Space, Add	19.86	
23 21 13 23-0342 EA 1-1/4", 125 LB, Black Cast Iron Flange.....	131.18	45.70
For Work In Restricted Working Space, Add	20.55	
23 21 13 23-0343 EA 1-1/2", 125 LB, Black Cast Iron Flange.....	132.45	49.70
For Work In Restricted Working Space, Add	22.36	
23 21 13 23-0344 EA 2", 125 LB, Black Cast Iron Flange.....	135.59	51.84
For Work In Restricted Working Space, Add	23.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0345 EA 2-1/2", 125 LB, Black Cast Iron Flange.....	157.59	60.05
<i>For Work In Restricted Working Space, Add</i>	26.99	
23 21 13 23-0346 EA 3", 125 LB, Black Cast Iron Flange.....	201.29	76.16
<i>For Work In Restricted Working Space, Add</i>	34.26	
23 21 13 23-0347 EA 4", 125 LB, Black Cast Iron Flange.....	265.41	98.72
<i>For Work In Restricted Working Space, Add</i>	44.41	
23 21 13 23-0348 EA 5", 125 LB, Black Cast Iron Flange.....	342.04	117.60
<i>For Work In Restricted Working Space, Add</i>	52.87	
23 21 13 23-0349 EA 6", 125 LB, Black Cast Iron Flange.....	389.99	134.99
<i>For Work In Restricted Working Space, Add</i>	60.72	
<b>23 21 13 23-0350 150 LB, Black Malleable Iron Flanges</b> <small>(23 21 13 23-0014)</small>		
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21 13 23-0351 EA 1/2", 150 LB, Black Malleable Iron Flange.....	71.72	35.63
<i>For Work In Restricted Working Space, Add</i>	16.05	
23 21 13 23-0352 EA 3/4", 150 LB, Black Malleable Iron Flange.....	78.22	39.05
<i>For Work In Restricted Working Space, Add</i>	17.58	
23 21 13 23-0353 EA 1", 150 LB, Black Malleable Iron Flange.....	91.70	44.13
<i>For Work In Restricted Working Space, Add</i>	19.86	
23 21 13 23-0354 EA 1-1/4", 150 LB, Black Malleable Iron Flange.....	95.78	45.70
<i>For Work In Restricted Working Space, Add</i>	20.55	
23 21 13 23-0355 EA 1-1/2", 150 LB, Black Malleable Iron Flange.....	104.29	49.70
<i>For Work In Restricted Working Space, Add</i>	22.36	
23 21 13 23-0356 EA 2", 150 LB, Black Malleable Iron Flange.....	116.59	51.84
<i>For Work In Restricted Working Space, Add</i>	23.34	
23 21 13 23-0357 EA 2-1/2", 150 LB, Black Malleable Iron Flange.....	150.82	60.05
<i>For Work In Restricted Working Space, Add</i>	26.99	
23 21 13 23-0358 EA 3", 150 LB, Black Malleable Iron Flange.....	191.07	76.16
<i>For Work In Restricted Working Space, Add</i>	34.25	
23 21 13 23-0359 EA 4", 150 LB, Black Malleable Iron Flange.....	278.62	98.72
<i>For Work In Restricted Working Space, Add</i>	44.40	
<b>23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe</b> <small>(23 21 13 23-0014)</small>		
Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0361 EA 1/2", Cut And Thread Existing In Place Black Steel Pipe.....	31.81	
<i>For Work In Restricted Working Space, Add</i>	9.54	
23 21 13 23-0362 EA 3/4", Cut And Thread Existing In Place Black Steel Pipe.....	34.99	
<i>For Work In Restricted Working Space, Add</i>	10.50	
23 21 13 23-0363 EA 1", Cut And Thread Existing In Place Black Steel Pipe.....	38.17	
<i>For Work In Restricted Working Space, Add</i>	11.45	
23 21 13 23-0364 EA 1-1/4", Cut And Thread Existing In Place Black Steel Pipe.....	41.35	
<i>For Work In Restricted Working Space, Add</i>	12.41	
23 21 13 23-0365 EA 1-1/2", Cut And Thread Existing In Place Black Steel Pipe.....	43.46	
<i>For Work In Restricted Working Space, Add</i>	13.04	
23 21 13 23-0366 EA 2", Cut And Thread Existing In Place Black Steel Pipe.....	45.59	
<i>For Work In Restricted Working Space, Add</i>	13.68	
23 21 13 23-0367 EA 2-1/2", Cut And Thread Existing In Place Black Steel Pipe.....	47.72	
<i>For Work In Restricted Working Space, Add</i>	14.32	
23 21 13 23-0368 EA 3", Cut And Thread Existing In Place Black Steel Pipe.....	49.83	
<i>For Work In Restricted Working Space, Add</i>	14.95	
23 21 13 23-0369 EA 4", Cut And Thread Existing In Place Black Steel Pipe.....	51.95	
<i>For Work In Restricted Working Space, Add</i>	15.59	
23 21 13 23-0370 EA 6", Cut And Thread Existing In Place Black Steel Pipe.....	56.19	
<i>For Work In Restricted Working Space, Add</i>	16.86	
23 21 13 23-0371 EA 8", Cut And Thread Existing In Place Black Steel Pipe.....	60.43	
<i>For Work In Restricted Working Space, Add</i>	18.13	
23 21 13 23-0372 EA 10", Cut And Thread Existing In Place Black Steel Pipe.....	65.73	
<i>For Work In Restricted Working Space, Add</i>	19.72	
23 21 13 23-0373 EA 12", Cut And Thread Existing In Place Black Steel Pipe.....	69.97	
<i>For Work In Restricted Working Space, Add</i>	20.99	
<b>23 21 13 23-0374 Welded Black Steel Pipe</b> <small>(23 21 13 23)</small>		
<b>23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies</b> <small>(23 21 13 23-0374)</small>		
Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
23 21 13 23-0376 LF 3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	24.01	7.43
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	5.43	
23 21 13 23-0377 LF 1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	26.76	7.93
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	6.08	
23 21 13 23-0378 LF 1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	32.18	8.42
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	6.98	
23 21 13 23-0379 LF 1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	34.53	8.42
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	7.30	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0380 LF 2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	39.52	8.42
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	8.45	
23 21 13 23-0381 LF 2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	45.81	8.42
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	9.80	
23 21 13 23-0382 LF 3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	53.59	8.22
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	10.34	
23 21 13 23-0383 LF 4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	71.26	10.26
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	12.73	
23 21 13 23-0384 LF 6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	97.46	15.29
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	14.66	
23 21 13 23-0385 LF 8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	148.28	18.99
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	21.74	
23 21 13 23-0386 LF 10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	199.17	23.74
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	25.93	
23 21 13 23-0387 LF 12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	251.58	28.68
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	29.96	
23 21 13 23-0388 LF 14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	278.90	37.42
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	33.43	
23 21 13 23-0389 LF 16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	324.82	47.49
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	37.36	
23 21 13 23-0390 LF 18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	415.30	58.78
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	40.99	
23 21 13 23-0391 LF 20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	533.36	72.65
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	46.91	
23 21 13 23-0392 LF 24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	660.10	82.33
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	51.58	
<b>23 21 13 23-0393 Welded Black Steel Pipe And Fittings</b> <small>(23 21 13 23-0374)</small>		
Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.		
<b>23 21 13 23-0394 Welded Plain End Black Steel Piping</b> <small>(23 21 13 23-0393)</small>		
Note: ASTM A-53		
23 21 13 23-0395 LF 3/4" Schedule 40, Welded Plain End Black Steel Pipe .....	10.28	3.96
<i>For Work In Restricted Working Space, Add</i>	2.38	
<i>For Schedule 80 Pipe, Add</i>	1.66	
<i>For Schedule A-106 Pipe, Add</i>	0.28	
23 21 13 23-0396 LF 1" Schedule 40, Welded Plain End Black Steel Pipe .....	13.03	4.95
<i>For Work In Restricted Working Space, Add</i>	2.97	
<i>For Schedule 80 Pipe, Add</i>	2.11	
<i>For Schedule A-106 Pipe, Add</i>	0.37	
23 21 13 23-0397 LF 1-1/4" Schedule 40, Welded Plain End Black Steel Pipe .....	16.47	5.94
<i>For Work In Restricted Working Space, Add</i>	3.57	
<i>For Schedule 80 Pipe, Add</i>	2.70	
<i>For Schedule A-106 Pipe, Add</i>	0.55	
23 21 13 23-0398 LF 1-1/2" Schedule 40, Welded Plain End Black Steel Pipe .....	19.95	6.93
<i>For Work In Restricted Working Space, Add</i>	4.16	
<i>For Schedule 80 Pipe, Add</i>	3.30	
<i>For Schedule A-106 Pipe, Add</i>	0.73	
23 21 13 23-0399 LF 2" Schedule 40, Welded Plain End Black Steel Pipe .....	23.72	8.22
<i>For Work In Restricted Working Space, Add</i>	4.94	
<i>For Schedule 80 Pipe, Add</i>	3.92	
<i>For Schedule A-106 Pipe, Add</i>	0.87	
23 21 13 23-0400 LF 2-1/2" Schedule 40, Welded Plain End Black Steel Pipe .....	27.11	9.31
<i>For Work In Restricted Working Space, Add</i>	5.59	
<i>For Schedule A-106 Pipe, Add</i>	1.02	
<i>For Schedule 80 Pipe, Add</i>	6.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0401 LF 3" Schedule 40, Welded Plain End Black Steel Pipe .....	33.49	10.00
<i>For Work In Restricted Working Space, Add</i>	6.01	
<i>For Schedule A-106 Pipe, Add</i>	1.62	
<i>For Schedule 80 Pipe, Add</i>	8.22	
23 21 13 23-0402 LF 4" Schedule 40, Welded Plain End Black Steel Pipe .....	46.35	12.39
<i>For Work In Restricted Working Space, Add</i>	7.43	
<i>For Schedule A-106 Pipe, Add</i>	2.59	
<i>For Schedule 80 Pipe, Add</i>	11.89	
23 21 13 23-0403 LF 6" Schedule 40, Welded Plain End Black Steel Pipe .....	66.89	20.06
<i>For Work In Restricted Working Space, Add</i>	9.22	
<i>For Schedule A-106 Pipe, Add</i>	4.34	
<i>For Schedule 80 Pipe, Add</i>	18.04	
23 21 13 23-0404 LF 8" Schedule 40, Welded Plain End Black Steel Pipe .....	95.38	20.42
<i>For Work In Restricted Working Space, Add</i>	12.25	
<i>For Schedule 30 Pipe, Deduct</i>	-14.99	
<i>For Schedule A-106 Pipe, Add</i>	6.54	
<i>For Schedule 80 Pipe, Add</i>	26.24	
23 21 13 23-0405 LF 10" Schedule 40, Welded Plain End Black Steel Pipe .....	126.40	24.60
<i>For Work In Restricted Working Space, Add</i>	14.76	
<i>For Schedule 30 Pipe, Deduct</i>	-20.36	
<i>For Schedule A-106 Pipe, Add</i>	9.26	
<i>For Schedule 80 Pipe, Add</i>	35.63	
23 21 13 23-0406 LF 12" Schedule 40, Welded Plain End Black Steel Pipe .....	161.53	29.72
<i>For Work In Restricted Working Space, Add</i>	17.83	
<i>For Schedule 30 Pipe, Deduct</i>	-26.36	
<i>For Schedule A-106 Pipe, Add</i>	12.25	
<i>For Schedule 80 Pipe, Add</i>	46.13	
23 21 13 23-0407 LF 14" Schedule 40, Welded Plain End Black Steel Pipe .....	155.77	31.34
<i>For Work In Restricted Working Space, Add</i>	18.80	
<i>For Schedule 30 Pipe, Deduct</i>	-24.89	
<i>For Schedule A-106 Pipe, Add</i>	11.17	
<i>For Schedule 20 Pipe, Deduct</i>	-45.12	
<i>For Schedule 80 Pipe, Add</i>	43.55	
23 21 13 23-0408 LF 16" Schedule 40, Welded Plain End Black Steel Pipe .....	171.47	33.71
<i>For Work In Restricted Working Space, Add</i>	20.23	
<i>For Schedule 30 Pipe, Deduct</i>	-27.55	
<i>For Schedule A-106 Pipe, Add</i>	12.49	
<i>For Schedule 20 Pipe, Deduct</i>	-49.90	
<i>For Schedule 80 Pipe, Add</i>	48.22	
23 21 13 23-0409 LF 18" Schedule 40, Welded Plain End Black Steel Pipe .....	217.15	36.46
<i>For Work In Restricted Working Space, Add</i>	21.88	
<i>For Schedule 30 Pipe, Deduct</i>	-36.14	
<i>For Schedule A-106 Pipe, Add</i>	17.31	
<i>For Schedule 20 Pipe, Deduct</i>	-65.06	
<i>For Schedule 80 Pipe, Add</i>	63.24	
23 21 13 23-0410 LF 20" Schedule 40, Welded Plain End Black Steel Pipe .....	256.70	43.69
<i>For Work In Restricted Working Space, Add</i>	26.21	
<i>For Schedule A-106 Pipe, Add</i>	20.32	
<i>For Schedule 80 Pipe, Add</i>	74.56	
23 21 13 23-0411 LF 24" Schedule 40, Welded Plain End Black Steel Pipe .....	319.21	50.24
<i>For Work In Restricted Working Space, Add</i>	30.14	
<i>For Schedule A-106 Pipe, Add</i>	26.25	
<i>For Schedule 80 Pipe, Add</i>	94.14	
<b>23 21 13 23-0412 Welded Plain End Black Steel 90 Degree Elbows</b> <small>(23 21 13 23-0393)</small>		
23 21 13 23-0413 EA 3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	113.45	60.21
<i>For Work In Restricted Working Space, Add</i>	27.07	
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	24.56	
23 21 13 23-0414 EA 1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	118.17	63.34
<i>For Work In Restricted Working Space, Add</i>	28.49	
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	25.48	
23 21 13 23-0415 EA 1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	131.46	72.18
<i>For Work In Restricted Working Space, Add</i>	32.47	
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	28.07	
23 21 13 23-0416 EA 1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	140.01	77.87
<i>For Work In Restricted Working Space, Add</i>	35.04	
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	29.74	
23 21 13 23-0417 EA 2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	175.14	101.33
<i>For Work In Restricted Working Space, Add</i>	45.58	
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	36.59	
23 21 13 23-0418 EA 2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	220.86	126.69
<i>For Work In Restricted Working Space, Add</i>	56.97	
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	46.32	
23 21 13 23-0419 EA 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	237.75	133.95
<i>For Work In Restricted Working Space, Add</i>	60.22	
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	50.25	
23 21 13 23-0420 EA 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	408.17	231.43
<i>For Work In Restricted Working Space, Add</i>	104.09	
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	86.02	
23 21 13 23-0421 EA 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	723.14	381.92
<i>For Work In Restricted Working Space, Add</i>	171.80	
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	156.81	
23 21 13 23-0422 EA 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	1,050.87	514.62
<i>For Work In Restricted Working Space, Add</i>	231.48	
<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	234.24	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0423	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,394.58 264.55 325.78	588.22
23 21	13 23-0424	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,897.31 346.14 448.04	769.61
23 21	13 23-0425	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,370.18 409.16 567.85	909.69
23 21	13 23-0426	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,970.03 477.77 723.79	1,062.30
23 21	13 23-0427	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,548.68 532.76 878.14	1,184.53
23 21	13 23-0428	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	4,596.92 597.37 1,170.00	1,328.11
23 21	13 23-0429	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	5,462.98 617.29 1,422.84	1,372.46
<b>23 21 13 23-0430 Welded Plain End Black Steel Reducing 90 Degree Elbows (23 21 13 23-0393)</b>					
23 21	13 23-0431	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	599.36 104.29 143.31	231.82
23 21	13 23-0432	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,058.55 169.84 258.12	377.55
23 21	13 23-0433	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,142.98 169.84 283.45	377.55
23 21	13 23-0434	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,810.36 231.48 462.09	514.62
23 21	13 23-0435	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,011.67 231.48 522.48	514.62
23 21	13 23-0436	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,542.20 264.55 670.07	588.22
23 21	13 23-0437	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,542.20 264.55 670.07	588.22
23 21	13 23-0438	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	4,258.49 352.73 1,154.09	784.24
23 21	13 23-0439	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	4,258.49 352.73 1,154.09	784.24
23 21	13 23-0440	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	4,806.07 352.73 1,318.36	784.24
<b>23 21 13 23-0441 Welded Plain End Black Steel 45 Degree Elbows (23 21 13 23-0393)</b>					
23 21	13 23-0442	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	102.64 25.26 21.95	56.17
23 21	13 23-0443	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	105.62 26.16 22.53	58.16
23 21	13 23-0444	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	118.49 30.02 25.04	66.77
23 21	13 23-0445	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	126.42 32.40 26.59	72.03
23 21	13 23-0446	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	158.13 41.91 32.77	93.13
23 21	13 23-0447	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	196.82 52.61 40.63	117.00
23 21	13 23-0448	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	227.74 60.21 47.25	133.85
23 21	13 23-0449	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	391.57 104.07 81.05	231.33
23 21	13 23-0450	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	681.86 171.60 144.50	381.52





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0451 EA 8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	975.51 231.48 211.63	514.62
23 21 13 23-0452 EA 10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,256.22 264.55 284.27	588.22
23 21 13 23-0453 EA 12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,694.53 345.50 387.43	768.18
23 21 13 23-0454 EA 14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,100.45 409.70 486.74	910.93
23 21 13 23-0455 EA 16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,596.68 477.28 611.96	1,061.17
23 21 13 23-0456 EA 18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,068.24 532.14 734.22	1,183.10
23 21 13 23-0457 EA 20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,893.77 597.37 959.05	1,328.11
23 21 13 23-0458 EA 24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	4,544.04 617.29 1,147.16	1,372.46
<b>23 21 13 23-0459 Welded Plain End Black Steel Tee</b> <small>(23 21 13 23-0393)</small>		
23 21 13 23-0460 EA 3/4" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	214.19 47.56 47.61	105.71
23 21 13 23-0461 EA 1" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	214.14 47.54 47.60	105.71
23 21 13 23-0462 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	243.38 52.88 54.50	117.59
23 21 13 23-0463 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	265.24 59.44 58.77	132.16
23 21 13 23-0464 EA 2" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	323.88 79.36 69.39	176.45
23 21 13 23-0465 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	370.95 89.17 80.08	198.24
23 21 13 23-0466 EA 3" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	442.24 108.19 94.81	240.74
23 21 13 23-0467 EA 4" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	634.97 156.43 135.74	347.84
23 21 13 23-0468 EA 6" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,068.15 258.44 229.99	574.61
23 21 13 23-0469 EA 8" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,558.45 352.73 344.08	784.24
23 21 13 23-0470 EA 10" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,013.36 411.52 459.98	914.92
23 21 13 23-0471 EA 12" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,739.52 529.10 636.67	1,176.36
23 21 13 23-0472 EA 14" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,626.57 617.29 871.92	1,372.46
23 21 13 23-0473 EA 16" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	4,365.91 740.74 1,050.51	1,646.92
23 21 13 23-0474 EA 18" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	5,841.80 823.05 1,464.47	1,829.92
23 21 13 23-0475 EA 20" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	7,869.83 925.93 2,036.87	2,058.70
23 21 13 23-0476 EA 24" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	9,158.30 997.16 2,398.49	2,217.05
<b>23 21 13 23-0477 Welded Plain End Black Steel Reducing Tees</b> <small>(23 21 13 23-0393)</small>		
23 21 13 23-0478 EA 3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	209.23 46.07 46.65	102.44

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0479	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	214.14 47.54 47.60	105.71
23 21	13 23-0480	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	239.82 52.88 53.44	117.59
23 21	13 23-0481	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	261.68 59.44 57.70	132.16
23 21	13 23-0482	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	331.86 79.38 71.77	176.45
23 21	13 23-0483	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	371.07 89.20 80.10	198.34
23 21	13 23-0484	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	442.62 108.19 94.92	240.74
23 21	13 23-0485	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	635.49 156.43 135.90	347.84
23 21	13 23-0486	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,069.05 258.44 230.26	574.61
23 21	13 23-0487	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,560.18 352.73 344.60	784.24
23 21	13 23-0488	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,016.29 411.52 460.85	914.92
23 21	13 23-0489	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,743.95 529.10 638.00	1,176.36
23 21	13 23-0490	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,633.71 617.29 874.06	1,372.46
23 21	13 23-0491	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	4,374.54 740.74 1,053.10	1,646.92
23 21	13 23-0492	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	5,855.92 823.05 1,468.71	1,829.92
23 21	13 23-0493	EA	20" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	8,006.93 925.93 2,078.00	2,058.70
23 21	13 23-0494	EA	24" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	9,770.75 997.16 2,582.22	2,217.05
23 21	13 23-0495		<b>Welded Plain End Black Steel Eccentric Reducers (23 21 13 23-0393)</b>		
23 21	13 23-0496	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	194.96 28.98 48.35	64.43
23 21	13 23-0497	EA	1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	204.35 31.79 50.18	70.70
23 21	13 23-0498	EA	1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	201.89 31.06 49.70	69.05
23 21	13 23-0499	EA	1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	215.75 35.21 52.40	78.30
23 21	13 23-0500	EA	1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	208.81 33.13 51.05	73.67
23 21	13 23-0501	EA	1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	206.35 32.39 50.57	72.03
23 21	13 23-0502	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	199.77 42.05 45.21	93.49
23 21	13 23-0503	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	232.23 40.71 55.42	90.51
23 21	13 23-0504	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	225.29 38.63 54.07	85.90
23 21	13 23-0505	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	247.43 53.49 55.51	118.92
23 21	13 23-0506	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	241.00 47.99 55.50	106.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0507 EA 2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	302.09 46.65 74.30	103.72
23 21 13 23-0508 EA 3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	275.83 60.05 61.73	133.45
23 21 13 23-0509 EA 3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	281.18 60.05 63.34	133.45
23 21 13 23-0510 EA 3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	292.51 60.05 66.74	133.45
23 21 13 23-0511 EA 4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	446.53 104.29 97.46	231.82
23 21 13 23-0512 EA 4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	451.89 104.29 99.07	231.82
23 21 13 23-0513 EA 4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	467.99 104.29 103.90	231.82
23 21 13 23-0514 EA 6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	769.90 169.84 171.53	377.55
23 21 13 23-0515 EA 6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	885.49 169.84 206.20	377.55
23 21 13 23-0516 EA 8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,121.29 258.45 245.93	574.61
23 21 13 23-0517 EA 8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,336.38 258.45 310.46	574.61
23 21 13 23-0518 EA 10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,330.94 297.21 295.26	660.80
23 21 13 23-0519 EA 10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,589.54 297.21 372.84	660.80
23 21 13 23-0520 EA 10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	1,929.77 297.21 474.91 -300.50	660.80
23 21 13 23-0521 EA 12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,704.45 352.07 388.11	782.71
23 21 13 23-0522 EA 12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,006.55 352.07 478.74	782.71
23 21 13 23-0523 EA 12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	2,517.19 352.07 631.93 -429.96	782.71
23 21 13 23-0524 EA 12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	1,695.88 352.07 385.54 -167.15	782.71
23 21 13 23-0525 EA 14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,303.65 411.52 547.06	914.92
23 21 13 23-0526 EA 14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,462.74 411.52 594.79	914.92
23 21 13 23-0527 EA 14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	4,048.82 411.52 1,070.61	914.92
23 21 13 23-0528 EA 16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,968.47 462.96 728.50	1,029.34
23 21 13 23-0529 EA 16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,436.82 462.96 869.01	1,029.34
23 21 13 23-0530 EA 16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	3,619.14 462.96 923.70 -664.30	1,029.34
23 21 13 23-0531 EA 16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	5,673.03 462.96 1,539.87	1,029.34
23 21 13 23-0532 EA 16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	6,695.07 462.96 1,846.48	1,029.34
23 21 13 23-0533 EA 18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	4,331.17 529.10 1,114.17	1,176.36

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0534	EA	18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	2,224.05 529.10 462.03 -147.32	1,176.36
23 21	13 23-0535	EA	18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	4,577.26 529.10 1,187.99 -900.35	1,176.36
23 21	13 23-0536	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	4,940.13 529.10 1,296.85	1,176.36
23 21	13 23-0537	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	8,007.82 529.10 2,217.16	1,176.36
23 21	13 23-0538	EA	20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	5,215.97 597.37 1,355.71 -1,031.91	1,328.11
23 21	13 23-0539	EA	20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	5,207.63 597.37 1,353.21 -1,029.24	1,328.11
23 21	13 23-0540	EA	20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	9,265.96 597.37 2,570.71 -2,327.91	1,328.11
23 21	13 23-0541	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	10,893.79 597.37 3,059.06	1,328.11
23 21	13 23-0542	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	13,335.63 597.37 3,791.61	1,328.11
23 21	13 23-0543	EA	24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	6,285.76 617.29 1,669.68 -1,353.00	1,372.46
23 21	13 23-0544	EA	24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	6,777.74 617.29 1,817.27 -1,510.44	1,372.46
23 21	13 23-0545	EA	24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i>	9,063.59 617.29 2,503.03 -2,241.91	1,372.46
23 21	13 23-0546	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	13,317.34 617.29 3,779.15	1,372.46
23 21	13 23-0547	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	16,506.88 617.29 4,736.01	1,372.46
<b>23 21</b>	<b>13 23-0548</b>		<b>Welded Plain End Black Steel Concentric Reducers</b> <small>(23 21 13 23-0393)</small>		
23 21	13 23-0549	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	169.21 28.98 40.62	64.43
23 21	13 23-0550	EA	1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	178.60 31.79 42.45	70.70
23 21	13 23-0551	EA	1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	176.14 31.06 41.97	69.05
23 21	13 23-0552	EA	1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	190.00 35.21 44.68	78.30
23 21	13 23-0553	EA	1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	183.06 33.13 43.32	73.67
23 21	13 23-0554	EA	1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	180.60 32.39 42.84	72.03
23 21	13 23-0555	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	186.64 42.05 41.27	93.49
23 21	13 23-0556	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	182.18 40.71 40.40	90.51
23 21	13 23-0557	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	193.12 38.63 44.42	85.90
23 21	13 23-0558	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	237.90 53.49 52.65	118.92
23 21	13 23-0559	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	235.65 47.99 53.90	106.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0560 EA 2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	256.80 46.65 60.71	103.72
23 21 13 23-0561 EA 3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	248.42 60.05 53.51	133.45
23 21 13 23-0562 EA 3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	251.99 60.05 54.58	133.45
23 21 13 23-0563 EA 3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	259.75 60.05 56.91	133.45
23 21 13 23-0564 EA 4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	409.59 104.29 86.38	231.82
23 21 13 23-0565 EA 4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	423.30 104.29 90.49	231.82
23 21 13 23-0566 EA 4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	423.30 104.29 90.49	231.82
23 21 13 23-0567 EA 6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	696.04 169.84 149.37	377.55
23 21 13 23-0568 EA 6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	723.43 169.84 157.59	377.55
23 21 13 23-0569 EA 8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,031.91 258.45 219.12	574.61
23 21 13 23-0570 EA 8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,080.77 258.45 233.77	574.61
23 21 13 23-0571 EA 10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,321.41 297.21 292.40	660.80
23 21 13 23-0572 EA 10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,301.15 297.21 286.32	660.80
23 21 13 23-0573 EA 10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,556.18 297.21 362.83	660.80
23 21 13 23-0574 EA 12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,582.31 352.07 351.47	782.71
23 21 13 23-0575 EA 12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,643.54 352.07 369.84	782.71
23 21 13 23-0576 EA 12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,665.72 352.07 376.49	782.71
23 21 13 23-0577 EA 12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,315.79 352.07 571.51	782.71
23 21 13 23-0578 EA 14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,986.65 411.52 451.96	914.92
23 21 13 23-0579 EA 14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,213.67 411.52 520.07	914.92
23 21 13 23-0580 EA 14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,410.89 411.52 579.23	914.92
23 21 13 23-0581 EA 14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,173.13 411.52 807.91	914.92
23 21 13 23-0582 EA 16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,619.30 462.96 623.75	1,029.34
23 21 13 23-0583 EA 16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,619.30 462.96 623.75	1,029.34
23 21 13 23-0584 EA 16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,732.52 462.96 657.72	1,029.34
23 21 13 23-0585 EA 16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	3,108.49 462.96 770.51	1,029.34
23 21 13 23-0586 EA 16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	4,665.59 462.96 1,237.64	1,029.34
23 21 13 23-0587 EA 18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,939.28 529.10 696.60	1,176.36

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0588	EA	18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer .....	3,229.46	1,176.36
			<i>For Work In Restricted Working Space, Add</i>	529.10	
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	783.65	
23 21	13 23-0589	EA	18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer .....	3,351.01	1,176.36
			<i>For Work In Restricted Working Space, Add</i>	529.10	
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	820.12	
23 21	13 23-0590	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer .....	3,681.69	1,176.36
			<i>For Work In Restricted Working Space, Add</i>	529.10	
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	919.32	
23 21	13 23-0591	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer .....	7,481.89	1,176.36
			<i>For Work In Restricted Working Space, Add</i>	529.10	
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,059.38	
23 21	13 23-0592	EA	20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer .....	4,008.77	1,328.11
			<i>For Work In Restricted Working Space, Add</i>	597.37	
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	993.55	
23 21	13 23-0593	EA	20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer .....	4,008.77	1,328.11
			<i>For Work In Restricted Working Space, Add</i>	597.37	
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	993.55	
23 21	13 23-0594	EA	20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer .....	4,091.60	1,328.11
			<i>For Work In Restricted Working Space, Add</i>	597.37	
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,018.40	
23 21	13 23-0595	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer .....	4,581.99	1,328.11
			<i>For Work In Restricted Working Space, Add</i>	597.37	
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,165.52	
23 21	13 23-0596	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer .....	5,435.23	1,328.11
			<i>For Work In Restricted Working Space, Add</i>	597.37	
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,421.49	
23 21	13 23-0597	EA	24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer .....	4,339.73	1,372.46
			<i>For Work In Restricted Working Space, Add</i>	617.29	
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,085.87	
23 21	13 23-0598	EA	24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer .....	4,391.55	1,372.46
			<i>For Work In Restricted Working Space, Add</i>	617.29	
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,101.41	
23 21	13 23-0599	EA	24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer .....	4,492.84	1,372.46
			<i>For Work In Restricted Working Space, Add</i>	617.29	
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,131.80	
23 21	13 23-0600	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer .....	6,838.10	1,372.46
			<i>For Work In Restricted Working Space, Add</i>	617.29	
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,835.38	
23 21	13 23-0601	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer .....	7,301.08	1,372.46
			<i>For Work In Restricted Working Space, Add</i>	617.29	
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,974.27	
<b>23 21 13 23-0602 Welded Plain End Black Steel Caps (23 21 13 23-0393)</b>					
23 21	13 23-0603	EA	1" Standard Weight, Welded Plain End Black Steel Cap .....	61.34	33.09
			<i>For Work In Restricted Working Space, Add</i>	14.86	
			<i>For Schedule 80 Fittings, Add</i>	12.21	
23 21	13 23-0604	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap .....	67.02	36.36
			<i>For Work In Restricted Working Space, Add</i>	16.35	
			<i>For Schedule 80 Fittings, Add</i>	13.29	
23 21	13 23-0605	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap .....	69.74	37.65
			<i>For Work In Restricted Working Space, Add</i>	16.94	
			<i>For Schedule 80 Fittings, Add</i>	13.86	
23 21	13 23-0606	EA	2" Standard Weight, Welded Plain End Black Steel Cap .....	85.60	48.25
			<i>For Work In Restricted Working Space, Add</i>	21.70	
			<i>For Schedule 80 Fittings, Add</i>	16.64	
23 21	13 23-0607	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap .....	100.46	58.16
			<i>For Work In Restricted Working Space, Add</i>	26.16	
			<i>For Schedule 80 Fittings, Add</i>	19.24	
23 21	13 23-0608	EA	3" Standard Weight, Welded Plain End Black Steel Cap .....	119.75	67.07
			<i>For Work In Restricted Working Space, Add</i>	30.17	
			<i>For Schedule 80 Fittings, Add</i>	23.35	
23 21	13 23-0609	EA	4" Standard Weight, Welded Plain End Black Steel Cap .....	199.32	115.92
			<i>For Work In Restricted Working Space, Add</i>	52.14	
			<i>For Schedule 80 Fittings, Add</i>	38.07	
23 21	13 23-0610	EA	6" Standard Weight, Welded Plain End Black Steel Cap .....	335.61	191.50
			<i>For Work In Restricted Working Space, Add</i>	86.15	
			<i>For Schedule 80 Fittings, Add</i>	64.79	
23 21	13 23-0611	EA	8" Standard Weight, Welded Plain End Black Steel Cap .....	475.19	268.48
			<i>For Work In Restricted Working Space, Add</i>	120.74	
			<i>For Schedule 80 Fittings, Add</i>	92.25	
23 21	13 23-0612	EA	10" Standard Weight, Welded Plain End Black Steel Cap .....	635.63	338.92
			<i>For Work In Restricted Working Space, Add</i>	152.42	
			<i>For Schedule 80 Fittings, Add</i>	127.18	
23 21	13 23-0613	EA	12" Standard Weight, Welded Plain End Black Steel Cap .....	733.72	383.00
			<i>For Work In Restricted Working Space, Add</i>	172.27	
			<i>For Schedule 80 Fittings, Add</i>	148.34	
23 21	13 23-0614	EA	14" Standard Weight, Welded Plain End Black Steel Cap .....	985.69	457.46
			<i>For Work In Restricted Working Space, Add</i>	205.76	
			<i>For Schedule 80 Fittings, Add</i>	209.97	
23 21	13 23-0615	EA	16" Standard Weight, Welded Plain End Black Steel Cap .....	1,144.77	531.24
			<i>For Work In Restricted Working Space, Add</i>	238.95	
			<i>For Schedule 80 Fittings, Add</i>	243.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0616 EA 18" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Fittings, Add</i>	1,282.38 264.55 274.49	588.22
<b>23 21 13 23-0617 150 LB, Welded Plain End Black Steel Neck Flanges</b> (23 21 13 23-0393) Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21 13 23-0618 EA 2", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	150.88 33.60 38.98	74.70
23 21 13 23-0619 EA 2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	178.64 41.93 41.90	93.23
23 21 13 23-0620 EA 3", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	198.73 47.94 44.03	106.60
23 21 13 23-0621 EA 4", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	260.39 63.24 56.85	140.58
23 21 13 23-0622 EA 6", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	395.90 95.87 86.98	213.20
23 21 13 23-0623 EA 8", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	453.19 100.10 118.70	222.60
23 21 13 23-0624 EA 10", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	593.13 125.55 166.18	279.10
23 21 13 23-0625 EA 12", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	729.46 142.45 228.10	316.71
23 21 13 23-0626 EA 14", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	960.77 172.27 330.88	383.00
23 21 13 23-0627 EA 16", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,271.26 200.20 492.82	445.11
23 21 13 23-0628 EA 18", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,586.65 224.47 665.46	499.05
23 21 13 23-0629 EA 20", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	2,011.57 284.90 843.05	633.43
23 21 13 23-0630 EA 24", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	2,289.79 308.64 990.71	686.23
<b>23 21 13 23-0631 150 LB, Welded Black Steel Slip-On Flanges</b> (23 21 13 23-0393) Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21 13 23-0632 EA 2", 150 LB, Welded Black Steel Slip-On Flanges ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	107.76 26.75 26.10	74.70
23 21 13 23-0633 EA 2-1/2", 150 LB, Welded Black Steel Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	132.87 32.69 32.94	93.23
23 21 13 23-0634 EA 3", 150 LB, Welded Black Steel Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	156.90 38.64 38.82	106.60
23 21 13 23-0635 EA 4", 150 LB, Welded Black Steel Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	206.78 50.53 52.21	140.58
23 21 13 23-0636 EA 6", 150 LB, Welded Black Steel Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	306.71 74.30 79.13	213.20
23 21 13 23-0637 EA 8", 150 LB, Welded Black Steel Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	393.69 91.17 112.73	222.60
23 21 13 23-0638 EA 10", 150 LB, Welded Black Steel Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	534.90 113.96 179.41	279.10
23 21 13 23-0639 EA 12", 150 LB, Welded Black Steel Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	700.44 136.75 268.00	316.71
23 21 13 23-0640 EA 14", 150 LB, Welded Black Steel Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	889.18 159.54 377.47	383.00
23 21 13 23-0641 EA 16", 150 LB, Welded Black Steel Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,069.97 176.64 494.88	445.11
23 21 13 23-0642 EA 18", 150 LB, Welded Black Steel Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,185.29 193.73 553.37	499.05

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0643	EA	20", 150 LB, Welded Black Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,315.98 210.83 625.70	633.43
23 21	13 23-0644	EA	24", 150 LB, Welded Black Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,505.74 245.02 705.87	686.23
<b>23 21</b>	<b>13 23-0645</b>		<b>150 LB, Forged Steel Blind Flanges</b> (23 21 13 23-0393)		
23 21	13 23-0646	EA	2", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 600 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	74.99 15.91 60.64 23.13	26.52
23 21	13 23-0647	EA	2-1/2", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 600 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	99.23 19.09 94.96 35.15	31.82
23 21	13 23-0648	EA	3", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 600 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	121.66 25.46 101.07 38.36	42.43
23 21	13 23-0649	EA	4", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 600 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	156.81 31.82 137.69 51.73	53.04
23 21	13 23-0650	EA	6", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 600 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	214.77 41.37 205.20 75.98	68.95
23 21	13 23-0651	EA	8", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 600 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	281.07 47.73 316.57 114.27	79.55
23 21	13 23-0652	EA	10", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 600 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	429.09 57.28 600.22 210.58	95.46
23 21	13 23-0653	EA	12", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 600 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	559.82 66.82 842.40 293.05	111.37
23 21	13 23-0654	EA	14", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	948.59 76.37 581.95	127.29
23 21	13 23-0655	EA	16", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,017.93 85.91 615.31	143.19
23 21	13 23-0656	EA	18", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,144.59 105.01 672.40	175.01
23 21	13 23-0657	EA	20", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,469.74 114.56 910.41	190.93
23 21	13 23-0658	EA	24", 150 LB, Forged Steel Blind Flange <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	2,002.99 133.65 1,292.78	222.74
<b>23 21</b>	<b>13 23-0659</b>		<b>3,000 LB, Forge Steel Thread-O-Lets</b> (23 21 13 23-0393)		
23 21	13 23-0660	EA	1/2", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Weld-O-Lets, Add</i>	74.33 18.72 28.84 5.96	
23 21	13 23-0661	EA	3/4", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Weld-O-Lets, Add</i>	79.39 19.62 30.87 7.00	
23 21	13 23-0662	EA	1", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Weld-O-Lets, Add</i>	85.05 20.81 33.10 7.85	
23 21	13 23-0663	EA	1-1/4", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Weld-O-Lets, Add</i>	96.57 22.29 37.81 11.13	
23 21	13 23-0664	EA	1-1/2", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Weld-O-Lets, Add</i>	106.47 25.26 41.57 11.13	
23 21	13 23-0665	EA	2", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Weld-O-Lets, Add</i>	137.92 33.02 53.80 13.92	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0666 EA 2-1/2", 3,000 LB, Forge Steel Thread-O-Let.....	242.55	
<i>For Work In Restricted Working Space, Add</i>	42.46	
<i>For Sock-O-Lets, Add</i>	97.22	
<i>For Weld-O-Lets, Add</i>	50.51	
23 21 13 23-0667 EA 3", 3,000 LB, Forge Steel Thread-O-Let.....	299.76	
<i>For Work In Restricted Working Space, Add</i>	59.44	
<i>For Sock-O-Lets, Add</i>	118.99	
<i>For Weld-O-Lets, Add</i>	50.81	
23 21 13 23-0668 EA 4", 3,000 LB, Forge Steel Thread-O-Let.....	446.60	
<i>For Work In Restricted Working Space, Add</i>	74.30	
<i>For Sock-O-Lets, Add</i>	179.65	
<i>For Weld-O-Lets, Add</i>	99.46	
<b>23 21 13 23-0669 Class 150 Flange, Steel Bolt And Gasket Sets</b> <small>(23 21 13 23-0393)</small>		
<small>Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.</small>		
23 21 13 23-0670 EA 3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	11.13	
<small>Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.</small>		
<i>For Zinc Plated, Add</i>	3.12	
<i>For Hot Dip Galvanized, Add</i>	4.45	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	7.79	
23 21 13 23-0671 EA 2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	14.05	
<small>Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.</small>		
<i>For Zinc Plated, Add</i>	3.93	
<i>For Hot Dip Galvanized, Add</i>	5.62	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	9.84	
23 21 13 23-0672 EA 2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	14.23	
<small>Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.</small>		
<i>For Zinc Plated, Add</i>	3.98	
<i>For Hot Dip Galvanized, Add</i>	5.69	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	9.96	
23 21 13 23-0673 EA 3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	14.32	
<small>Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.</small>		
<i>For Zinc Plated, Add</i>	4.01	
<i>For Hot Dip Galvanized, Add</i>	5.73	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	10.02	
23 21 13 23-0674 EA 4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	31.52	
<small>Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.</small>		
<i>For Zinc Plated, Add</i>	8.83	
<i>For Hot Dip Galvanized, Add</i>	12.61	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	22.06	
23 21 13 23-0675 EA 5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	44.95	
<small>Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.</small>		
<i>For Zinc Plated, Add</i>	12.59	
<i>For Hot Dip Galvanized, Add</i>	17.98	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	31.47	
23 21 13 23-0676 EA 6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	48.68	
<small>Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.</small>		
<i>For Zinc Plated, Add</i>	13.63	
<i>For Hot Dip Galvanized, Add</i>	19.47	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	34.08	
23 21 13 23-0677 EA 8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	53.55	
<small>Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.</small>		
<i>For Zinc Plated, Add</i>	14.99	
<i>For Hot Dip Galvanized, Add</i>	21.42	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	37.49	
23 21 13 23-0678 EA 10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	117.68	
<small>Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.</small>		
<i>For Zinc Plated, Add</i>	32.95	
<i>For Hot Dip Galvanized, Add</i>	47.07	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	82.38	
23 21 13 23-0679 EA 12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	120.41	
<small>Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.</small>		
<i>For Zinc Plated, Add</i>	33.71	
<i>For Hot Dip Galvanized, Add</i>	48.16	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	84.29	
23 21 13 23-0680 EA 14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	135.11	
<small>Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.</small>		
<i>For Zinc Plated, Add</i>	37.83	
<i>For Hot Dip Galvanized, Add</i>	54.04	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	94.58	
23 21 13 23-0681 EA 16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	223.41	
<small>Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.</small>		
<i>For Zinc Plated, Add</i>	62.55	
<i>For Hot Dip Galvanized, Add</i>	89.36	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	156.39	
23 21 13 23-0682 EA 18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	321.18	
<small>Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.</small>		
<i>For Zinc Plated, Add</i>	89.93	
<i>For Hot Dip Galvanized, Add</i>	128.47	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	224.83	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0683	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	405.88	
			Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	113.65	
			For Hot Dip Galvanized, Add	162.35	
			For Advanced Fluoropolymer (Blue Coating), Add	284.12	
23 21	13 23-0684	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	577.58	
			Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	161.72	
			For Hot Dip Galvanized, Add	231.03	
			For Advanced Fluoropolymer (Blue Coating), Add	404.31	
23 21	13 23-0685	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	911.47	
			Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	255.21	
			For Hot Dip Galvanized, Add	364.59	
			For Advanced Fluoropolymer (Blue Coating), Add	638.03	
23 21	13 23-0686	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,295.84	
			Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.		
			For Zinc Plated, Add	362.84	
			For Hot Dip Galvanized, Add	518.34	
			For Advanced Fluoropolymer (Blue Coating), Add	907.09	
<b>23 21</b>	<b>13 23-0687</b>		<b>Class 300 Flange, Steel Bolt And Gasket Sets</b> <small>(23 21 13 23-0393)</small>		
			Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21	13 23-0688	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set .....	18.44	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	5.16	
			For Hot Dip Galvanized, Add	7.38	
			For Advanced Fluoropolymer (Blue Coating), Add	12.91	
23 21	13 23-0689	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	32.89	
			Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	9.21	
			For Hot Dip Galvanized, Add	13.16	
			For Advanced Fluoropolymer (Blue Coating), Add	23.02	
23 21	13 23-0690	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	50.57	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	14.16	
			For Hot Dip Galvanized, Add	20.23	
			For Advanced Fluoropolymer (Blue Coating), Add	35.40	
23 21	13 23-0691	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	54.96	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	15.39	
			For Hot Dip Galvanized, Add	21.98	
			For Advanced Fluoropolymer (Blue Coating), Add	38.47	
23 21	13 23-0692	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	56.16	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	15.72	
			For Hot Dip Galvanized, Add	22.46	
			For Advanced Fluoropolymer (Blue Coating), Add	39.31	
23 21	13 23-0693	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	61.69	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	17.27	
			For Hot Dip Galvanized, Add	24.68	
			For Advanced Fluoropolymer (Blue Coating), Add	43.18	
23 21	13 23-0694	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	87.47	
			Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	24.49	
			For Hot Dip Galvanized, Add	34.99	
			For Advanced Fluoropolymer (Blue Coating), Add	61.23	
23 21	13 23-0695	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	135.30	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	37.88	
			For Hot Dip Galvanized, Add	54.12	
			For Advanced Fluoropolymer (Blue Coating), Add	94.71	
23 21	13 23-0696	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	245.11	
			Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
			For Zinc Plated, Add	68.63	
			For Hot Dip Galvanized, Add	98.04	
			For Advanced Fluoropolymer (Blue Coating), Add	171.58	
23 21	13 23-0697	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	352.33	
			Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	98.65	
			For Hot Dip Galvanized, Add	140.93	
			For Advanced Fluoropolymer (Blue Coating), Add	246.63	
23 21	13 23-0698	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	481.31	
			Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	134.77	
			For Hot Dip Galvanized, Add	192.52	
			For Advanced Fluoropolymer (Blue Coating), Add	336.92	
23 21	13 23-0699	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	662.80	
			Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	185.58	
			For Hot Dip Galvanized, Add	265.12	
			For Advanced Fluoropolymer (Blue Coating), Add	463.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0700 EA 18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	852.18	
Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	238.61	
For Hot Dip Galvanized, Add	340.87	
For Advanced Fluoropolymer (Blue Coating), Add	596.53	
23 21 13 23-0701 EA 20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	905.32	
Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	253.49	
For Hot Dip Galvanized, Add	362.13	
For Advanced Fluoropolymer (Blue Coating), Add	633.72	
23 21 13 23-0702 EA 24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,149.67	
Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.		
For Zinc Plated, Add	321.91	
For Hot Dip Galvanized, Add	459.87	
For Advanced Fluoropolymer (Blue Coating), Add	804.77	
23 21 13 23-0703 EA 30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,809.82	
Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	506.75	
For Hot Dip Galvanized, Add	723.93	
For Advanced Fluoropolymer (Blue Coating), Add	1,266.87	
23 21 13 23-0704 EA 36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	2,729.64	
Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.		
For Zinc Plated, Add	764.30	
For Hot Dip Galvanized, Add	1,091.86	
For Advanced Fluoropolymer (Blue Coating), Add	1,910.75	
<b>23 21 13 23-0705 150 LB, Rubber Flange Gasket Replacement</b> <small>(23 21 13 23-0393)</small>		
Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.		
23 21 13 23-0706 EA 1/2", 150 LB, Rubber Flange Gasket Replacement.....	29.93	
For Work In Restricted Working Space, Add	8.79	
For 300 LB Rating Gasket Set, Add	0.22	
23 21 13 23-0707 EA 3/4", 150 LB, Rubber Flange Gasket Replacement.....	32.10	
For Work In Restricted Working Space, Add	9.38	
For 300 LB Rating Gasket Set, Add	0.29	
23 21 13 23-0708 EA 1", 150 LB, Rubber Flange Gasket Replacement.....	35.64	
For Work In Restricted Working Space, Add	10.26	
For 300 LB Rating Gasket Set, Add	0.51	
23 21 13 23-0709 EA 1-1/4", 150 LB, Rubber Flange Gasket Replacement.....	38.79	
For Work In Restricted Working Space, Add	11.14	
For 300 LB Rating Gasket Set, Add	0.58	
23 21 13 23-0710 EA 1-1/2", 150 LB, Rubber Flange Gasket Replacement.....	43.10	
For Work In Restricted Working Space, Add	12.31	
For 300 LB Rating Gasket Set, Add	0.72	
23 21 13 23-0711 EA 2", 150 LB, Rubber Flange Gasket Replacement.....	47.85	
For Work In Restricted Working Space, Add	13.49	
For 300 LB Rating Gasket Set, Add	1.02	
23 21 13 23-0712 EA 2-1/2", 150 LB, Rubber Flange Gasket Replacement.....	56.69	
For Work In Restricted Working Space, Add	15.83	
For 300 LB Rating Gasket Set, Add	1.38	
23 21 13 23-0713 EA 3", 150 LB, Rubber Flange Gasket Replacement.....	60.25	
For Work In Restricted Working Space, Add	16.71	
For 300 LB Rating Gasket Set, Add	1.60	
23 21 13 23-0714 EA 4", 150 LB, Rubber Flange Gasket Replacement.....	80.74	
For Work In Restricted Working Space, Add	21.98	
For 300 LB Rating Gasket Set, Add	2.61	
23 21 13 23-0715 EA 5", 150 LB, Rubber Flange Gasket Replacement.....	93.29	
For Work In Restricted Working Space, Add	25.50	
For 300 LB Rating Gasket Set, Add	2.90	
23 21 13 23-0716 EA 6", 150 LB, Rubber Flange Gasket Replacement.....	107.50	
For Work In Restricted Working Space, Add	29.02	
For 300 LB Rating Gasket Set, Add	3.77	
23 21 13 23-0717 EA 8", 150 LB, Rubber Flange Gasket Replacement.....	132.99	
For Work In Restricted Working Space, Add	35.17	
For 300 LB Rating Gasket Set, Add	5.51	
23 21 13 23-0718 EA 10", 150 LB, Rubber Flange Gasket Replacement.....	147.43	
For Work In Restricted Working Space, Add	37.52	
For 300 LB Rating Gasket Set, Add	7.83	
23 21 13 23-0719 EA 12", 150 LB, Rubber Flange Gasket Replacement.....	170.27	
For Work In Restricted Working Space, Add	42.50	
For 300 LB Rating Gasket Set, Add	10.01	
23 21 13 23-0720 EA 14", 150 LB, Rubber Flange Gasket Replacement.....	180.75	
For Work In Restricted Working Space, Add	43.97	
For 300 LB Rating Gasket Set, Add	11.97	
23 21 13 23-0721 EA 16", 150 LB, Rubber Flange Gasket Replacement.....	233.53	
For Work In Restricted Working Space, Add	58.62	
For 300 LB Rating Gasket Set, Add	13.35	
23 21 13 23-0722 EA 18", 150 LB, Rubber Flange Gasket Replacement.....	253.75	
For Work In Restricted Working Space, Add	64.19	
For 300 LB Rating Gasket Set, Add	13.93	
23 21 13 23-0723 EA 20", 150 LB, Rubber Flange Gasket Replacement.....	303.53	
For Work In Restricted Working Space, Add	78.25	
For 300 LB Rating Gasket Set, Add	14.94	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13	23-0724		<b>150 LB, Spiral Wound Metal Flange Gasket Replacement</b> <small>(23 21 13 23-0393)</small> Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (1/8" thick carbon steel outer ring with spiral wound 304 stainless steel inner ring) and rebolting.		
	23 21 13 23-0725	EA	1/2", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	32.85	
			<i>For Work In Restricted Working Space, Add</i>	8.79	
			<i>For 300 Lb., Add</i>	0.27	
23 21 13	23-0726	EA	3/4", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	34.87	
			<i>For Work In Restricted Working Space, Add</i>	9.38	
			<i>For 300 Lb., Add</i>	0.27	
23 21 13	23-0727	EA	1", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	37.82	
			<i>For Work In Restricted Working Space, Add</i>	10.26	
			<i>For 300 Lb., Add</i>	0.27	
23 21 13	23-0728	EA	1-1/4", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	41.31	
			<i>For Work In Restricted Working Space, Add</i>	11.14	
			<i>For 300 Lb., Add</i>	0.31	
23 21 13	23-0729	EA	1-1/2", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	45.30	
			<i>For Work In Restricted Working Space, Add</i>	12.31	
			<i>For 300 Lb., Add</i>	0.32	
23 21 13	23-0730	EA	2", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	49.42	
			<i>For Work In Restricted Working Space, Add</i>	13.49	
			<i>For 300 Lb., Add</i>	0.34	
23 21 13	23-0731	EA	2-1/2", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	57.61	
			<i>For Work In Restricted Working Space, Add</i>	15.83	
			<i>For 300 Lb., Add</i>	0.36	
23 21 13	23-0732	EA	3", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	60.94	
			<i>For Work In Restricted Working Space, Add</i>	16.71	
			<i>For 300 Lb., Add</i>	0.39	
23 21 13	23-0733	EA	4", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	79.99	
			<i>For Work In Restricted Working Space, Add</i>	21.98	
			<i>For 300 Lb., Add</i>	0.50	
23 21 13	23-0734	EA	5", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	93.29	
			<i>For Work In Restricted Working Space, Add</i>	25.50	
			<i>For 300 Lb., Add</i>	0.62	
23 21 13	23-0735	EA	6", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	105.93	
			<i>For Work In Restricted Working Space, Add</i>	29.02	
			<i>For 300 Lb., Add</i>	0.69	
23 21 13	23-0736	EA	8", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	128.24	
			<i>For Work In Restricted Working Space, Add</i>	35.18	
			<i>For 300 Lb., Add</i>	0.82	
23 21 13	23-0737	EA	10", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	140.21	
			<i>For Work In Restricted Working Space, Add</i>	37.52	
			<i>For 300 Lb., Add</i>	1.14	
23 21 13	23-0738	EA	12", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	164.50	
			<i>For Work In Restricted Working Space, Add</i>	42.50	
			<i>For 300 Lb., Add</i>	1.71	
23 21 13	23-0739		<b>150 LB, Flexible Graphite Flange Gasket Replacement</b> <small>(23 21 13 23-0393)</small> Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (flexible graphite outer ring with 316 stainless steel inner ring) and rebolting.		
	23 21 13 23-0740	EA	1/2", 150 LB, Flexible Graphite Flange Gasket Replacement.....	30.02	
			<i>For Work In Restricted Working Space, Add</i>	8.79	
23 21 13	23-0741	EA	3/4", 150 LB, Flexible Graphite Flange Gasket Replacement.....	32.44	
			<i>For Work In Restricted Working Space, Add</i>	9.38	
23 21 13	23-0742	EA	1", 150 LB, Flexible Graphite Flange Gasket Replacement.....	35.54	
			<i>For Work In Restricted Working Space, Add</i>	10.26	
23 21 13	23-0743	EA	1-1/4", 150 LB, Flexible Graphite Flange Gasket Replacement.....	39.05	
			<i>For Work In Restricted Working Space, Add</i>	11.14	
23 21 13	23-0744	EA	1-1/2", 150 LB, Flexible Graphite Flange Gasket Replacement.....	43.08	
			<i>For Work In Restricted Working Space, Add</i>	12.31	
23 21 13	23-0745	EA	2", 150 LB, Flexible Graphite Flange Gasket Replacement.....	47.64	
			<i>For Work In Restricted Working Space, Add</i>	13.49	
23 21 13	23-0746	EA	2-1/2", 150 LB, Flexible Graphite Flange Gasket Replacement.....	56.38	
			<i>For Work In Restricted Working Space, Add</i>	15.83	
23 21 13	23-0747	EA	3", 150 LB, Flexible Graphite Flange Gasket Replacement.....	59.52	
			<i>For Work In Restricted Working Space, Add</i>	16.71	
23 21 13	23-0748	EA	4", 150 LB, Flexible Graphite Flange Gasket Replacement.....	79.47	
			<i>For Work In Restricted Working Space, Add</i>	21.98	
23 21 13	23-0749	EA	5", 150 LB, Flexible Graphite Flange Gasket Replacement.....	92.38	
			<i>For Work In Restricted Working Space, Add</i>	25.50	
23 21 13	23-0750	EA	6", 150 LB, Flexible Graphite Flange Gasket Replacement.....	104.95	
			<i>For Work In Restricted Working Space, Add</i>	29.02	
23 21 13	23-0751	EA	8", 150 LB, Flexible Graphite Flange Gasket Replacement.....	131.09	
			<i>For Work In Restricted Working Space, Add</i>	35.18	
23 21 13	23-0752	EA	10", 150 LB, Flexible Graphite Flange Gasket Replacement.....	145.14	
			<i>For Work In Restricted Working Space, Add</i>	37.52	
23 21 13	23-0753	EA	12", 150 LB, Flexible Graphite Flange Gasket Replacement.....	166.51	
			<i>For Work In Restricted Working Space, Add</i>	42.50	
23 21 13	23-0754		<b>150 LB, Teflon, Spiral Wound, Flange Gasket Replacement</b> <small>(23 21 13 23-0393)</small> Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (teflon outer ring with 304 stainless steel inner ring) and rebolting.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0755 EA 1/2", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	48.12	
<i>For Work In Restricted Working Space, Add</i>	8.79	
23 21 13 23-0756 EA 3/4", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	51.36	
<i>For Work In Restricted Working Space, Add</i>	9.38	
23 21 13 23-0757 EA 1", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	55.59	
<i>For Work In Restricted Working Space, Add</i>	10.26	
23 21 13 23-0758 EA 1-1/4", Teflon, Spiral Wound, Flange Gasket Replacement.....	63.04	
<i>For Work In Restricted Working Space, Add</i>	11.14	
23 21 13 23-0759 EA 1-1/2", Teflon, Spiral Wound, Flange Gasket Replacement.....	67.80	
<i>For Work In Restricted Working Space, Add</i>	12.31	
23 21 13 23-0760 EA 2", Teflon, Spiral Wound, Flange Gasket Replacement.....	73.95	
<i>For Work In Restricted Working Space, Add</i>	13.49	
23 21 13 23-0761 EA 2-1/2", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	85.90	
<i>For Work In Restricted Working Space, Add</i>	15.83	
23 21 13 23-0762 EA 3", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	97.76	
<i>For Work In Restricted Working Space, Add</i>	16.71	
23 21 13 23-0763 EA 4", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	123.37	
<i>For Work In Restricted Working Space, Add</i>	21.98	
23 21 13 23-0764 EA 5", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	147.40	
<i>For Work In Restricted Working Space, Add</i>	25.50	
23 21 13 23-0765 EA 6", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	193.44	
<i>For Work In Restricted Working Space, Add</i>	29.02	
23 21 13 23-0766 EA 8", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	212.77	
<i>For Work In Restricted Working Space, Add</i>	35.18	
23 21 13 23-0767 EA 10", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	242.55	
<i>For Work In Restricted Working Space, Add</i>	37.52	
23 21 13 23-0768 EA 12", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	319.13	
<i>For Work In Restricted Working Space, Add</i>	42.50	
<b>23 21 13 23-0769 Cut And Prepare For Welding Existing In-Place Black Steel Pipe</b> <small>(23 21 13 23-0393)</small>		
Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0770 EA 1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	21.21	
<i>For Work In Restricted Working Space, Add</i>	6.36	
23 21 13 23-0771 EA 3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	22.90	
<i>For Work In Restricted Working Space, Add</i>	6.87	
23 21 13 23-0772 EA 1", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	25.76	
<i>For Work In Restricted Working Space, Add</i>	7.73	
23 21 13 23-0773 EA 1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	27.03	
<i>For Work In Restricted Working Space, Add</i>	8.11	
23 21 13 23-0774 EA 1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	28.62	
<i>For Work In Restricted Working Space, Add</i>	8.59	
23 21 13 23-0775 EA 2", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	30.74	
<i>For Work In Restricted Working Space, Add</i>	9.22	
23 21 13 23-0776 EA 2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	32.87	
<i>For Work In Restricted Working Space, Add</i>	9.86	
23 21 13 23-0777 EA 3", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	36.05	
<i>For Work In Restricted Working Space, Add</i>	10.82	
23 21 13 23-0778 EA 4", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	39.23	
<i>For Work In Restricted Working Space, Add</i>	11.77	
23 21 13 23-0779 EA 6", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	42.41	
<i>For Work In Restricted Working Space, Add</i>	12.72	
23 21 13 23-0780 EA 8", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	45.59	
<i>For Work In Restricted Working Space, Add</i>	13.68	
23 21 13 23-0781 EA 10", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	49.83	
<i>For Work In Restricted Working Space, Add</i>	14.95	
23 21 13 23-0782 EA 12", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	54.07	
<i>For Work In Restricted Working Space, Add</i>	16.22	
23 21 13 23-0783 EA 14", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	58.32	
<i>For Work In Restricted Working Space, Add</i>	17.50	
23 21 13 23-0784 EA 16", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	62.55	
<i>For Work In Restricted Working Space, Add</i>	18.77	
23 21 13 23-0785 EA 18", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	65.73	
<i>For Work In Restricted Working Space, Add</i>	19.72	
23 21 13 23-0786 EA 20", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	68.91	
<i>For Work In Restricted Working Space, Add</i>	20.67	
23 21 13 23-0787 EA 24", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	73.16	
<i>For Work In Restricted Working Space, Add</i>	21.95	
<b>23 21 13 23-0788 Welded Plain End Electric Resistance Black Steel Pipe</b> <small>(23 21 13 23-0393)</small>		
Note: ASTM A-135.		
23 21 13 23-0789 LF 2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	22.77	10.89
<i>For Work In Restricted Working Space, Add</i>	5.35	
23 21 13 23-0790 LF 2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	25.42	11.89
<i>For Work In Restricted Working Space, Add</i>	5.35	
23 21 13 23-0791 LF 3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	26.83	11.69
<i>For Work In Restricted Working Space, Add</i>	5.24	
23 21 13 23-0792 LF 4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	33.58	14.86
<i>For Work In Restricted Working Space, Add</i>	6.68	
23 21 13 23-0793 LF 6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	54.85	21.99
<i>For Work In Restricted Working Space, Add</i>	9.89	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0794 LF 8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings .....	69.83	25.92
<i>For Work In Restricted Working Space, Add</i> .....	11.68	
23 21 13 23-0795 LF 10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings .....	94.32	32.28
<i>For Work In Restricted Working Space, Add</i> .....	14.53	
23 21 13 23-0796 LF 12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings .....	114.49	38.94
<i>For Work In Restricted Working Space, Add</i> .....	17.51	
23 21 13 23-0797 LF 14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings .....	146.19	50.52
<i>For Work In Restricted Working Space, Add</i> .....	22.73	
<b>23 21 13 23-0798 Flanged Steel Fittings</b> <sup>(23 21 13 23)</sup>		
See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0617 for welded neck flange ends.		
<b>23 21 13 23-0799 Flanged Steel Fittings, Standard Weight</b> <sup>(23 21 13 23-0799)</sup>		
Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
<b>23 21 13 23-0800 Flanged Steel, 90 Degree Elbows</b> <sup>(23 21 13 23-0799)</sup>		
23 21 13 23-0801 EA 2" Standard Weight, Flanged Steel, 90 Degree Elbow .....	494.88	45.59
<i>For Galvanized Fittings, Add</i> .....	341.22	
<i>For Extra Heavy Weight Fittings, Add</i> .....	511.84	
23 21 13 23-0802 EA 2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow .....	551.99	50.78
<i>For Galvanized Fittings, Add</i> .....	380.66	
<i>For Extra Heavy Weight Fittings, Add</i> .....	571.00	
23 21 13 23-0803 EA 3" Standard Weight, Flanged Steel, 90 Degree Elbow .....	546.94	56.05
<i>For Galvanized Fittings, Add</i> .....	370.38	
<i>For Extra Heavy Weight Fittings, Add</i> .....	555.56	
23 21 13 23-0804 EA 4" Standard Weight, Flanged Steel, 90 Degree Elbow .....	695.64	65.13
<i>For Galvanized Fittings, Add</i> .....	478.40	
<i>For Extra Heavy Weight Fittings, Add</i> .....	717.60	
23 21 13 23-0805 EA 5" Standard Weight, Flanged Steel, 90 Degree Elbow .....	977.43	72.93
<i>For Galvanized Fittings, Add</i> .....	694.46	
<i>For Extra Heavy Weight Fittings, Add</i> .....	1,041.68	
23 21 13 23-0806 EA 6" Standard Weight, Flanged Steel, 90 Degree Elbow .....	1,031.44	84.66
<i>For Galvanized Fittings, Add</i> .....	723.61	
<i>For Extra Heavy Weight Fittings, Add</i> .....	1,085.41	
23 21 13 23-0807 EA 8" Standard Weight, Flanged Steel, 90 Degree Elbow .....	1,312.37	93.74
<i>For Galvanized Fittings, Add</i> .....	937.42	
<i>For Extra Heavy Weight Fittings, Add</i> .....	1,406.12	
<b>23 21 13 23-0808 Flanged Steel, Reducing 90 Degree Elbows</b> <sup>(23 21 13 23-0799)</sup>		
23 21 13 23-0809 EA 2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow .....	933.90	48.24
<i>For Galvanized Fittings, Add</i> .....	689.31	
<i>For Extra Heavy Weight Fittings, Add</i> .....	1,033.97	
23 21 13 23-0810 EA 3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow .....	971.71	53.41
<i>For Galvanized Fittings, Add</i> .....	713.32	
<i>For Extra Heavy Weight Fittings, Add</i> .....	1,069.98	
23 21 13 23-0811 EA 4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow .....	1,211.80	60.53
<i>For Galvanized Fittings, Add</i> .....	896.79	
<i>For Extra Heavy Weight Fittings, Add</i> .....	1,345.19	
23 21 13 23-0812 EA 5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow .....	1,502.72	64.45
<i>For Galvanized Fittings, Add</i> .....	1,124.85	
<i>For Extra Heavy Weight Fittings, Add</i> .....	1,687.27	
23 21 13 23-0813 EA 6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow .....	1,711.25	74.89
<i>For Galvanized Fittings, Add</i> .....	1,279.17	
<i>For Extra Heavy Weight Fittings, Add</i> .....	1,918.75	
23 21 13 23-0814 EA 8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow .....	2,390.75	89.24
<i>For Galvanized Fittings, Add</i> .....	1,805.58	
<i>For Extra Heavy Weight Fittings, Add</i> .....	2,708.38	
<b>23 21 13 23-0815 Flanged Steel, 45 Degree Elbows</b> <sup>(23 21 13 23-0799)</sup>		
23 21 13 23-0816 EA 2" Standard Weight, Flanged Steel, 45 Degree Elbow .....	649.21	45.59
<i>For Galvanized Fittings, Add</i> .....	464.69	
<i>For Extra Heavy Weight Fittings, Add</i> .....	697.03	
23 21 13 23-0817 EA 2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow .....	676.31	50.78
<i>For Galvanized Fittings, Add</i> .....	480.12	
<i>For Extra Heavy Weight Fittings, Add</i> .....	720.18	
23 21 13 23-0818 EA 3" Standard Weight, Flanged Steel, 45 Degree Elbow .....	701.26	56.05
<i>For Galvanized Fittings, Add</i> .....	493.83	
<i>For Extra Heavy Weight Fittings, Add</i> .....	740.75	
23 21 13 23-0819 EA 4" Standard Weight, Flanged Steel, 45 Degree Elbow .....	875.69	65.13
<i>For Galvanized Fittings, Add</i> .....	622.44	
<i>For Extra Heavy Weight Fittings, Add</i> .....	933.66	
23 21 13 23-0820 EA 5" Standard Weight, Flanged Steel, 45 Degree Elbow .....	1,268.93	72.93
<i>For Galvanized Fittings, Add</i> .....	927.66	
<i>For Extra Heavy Weight Fittings, Add</i> .....	1,391.48	
23 21 13 23-0821 EA 6" Standard Weight, Flanged Steel, 45 Degree Elbow .....	1,232.91	84.66
<i>For Galvanized Fittings, Add</i> .....	884.78	
<i>For Extra Heavy Weight Fittings, Add</i> .....	1,327.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0822 EA 8" Standard Weight, Flanged Steel, 45 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,455.85 1,052.20 1,578.30	93.74
<b>23 21 13 23-0823 Flanged Steel, Tees</b> (23 21 13 23-0799)		
23 21 13 23-0824 EA 2" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	631.94 423.54 635.30	68.35
23 21 13 23-0825 EA 2-1/2" Standard Weight, Flanged Steel, Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	819.40 564.14 846.20	76.16
23 21 13 23-0826 EA 3" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	743.27 493.85 740.77	83.97
23 21 13 23-0827 EA 4" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,068.09 737.30 1,105.96	97.74
23 21 13 23-0828 EA 5" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,596.60 1,146.06 1,719.08	109.45
23 21 13 23-0829 EA 6" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,950.39 1,408.00 2,112.00	127.04
23 21 13 23-0830 EA 8" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,157.67 1,549.61 2,324.41	147.15
<b>23 21 13 23-0831 Flanged Steel, Reducing Tees</b> (23 21 13 23-0799)		
23 21 13 23-0832 EA 2-1/2" Standard Weight, Flanged Steel, Reducing Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,008.41 718.46 1,077.70	73.62
23 21 13 23-0833 EA 3" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,165.89 835.06 1,252.60	81.43
23 21 13 23-0834 EA 4" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,019.24 1,503.69 2,255.53	93.14
23 21 13 23-0835 EA 5" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,181.26 1,618.47 2,427.71	105.55
23 21 13 23-0836 EA 6" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,745.15 2,050.83 3,076.25	121.17
23 21 13 23-0837 EA 8" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	3,431.99 2,582.34 3,873.52	136.11
<b>23 21 13 23-0838 Flanged Steel, Concentric Reducers</b> (23 21 13 23-0799)		
23 21 13 23-0839 EA 3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	958.85 703.03 1,054.55	53.41
23 21 13 23-0840 EA 4" x 3" Standard Weight, Flanged Steel, Concentric Reducer ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,089.63 799.06 1,198.58	60.53
23 21 13 23-0841 EA 5" x 4" Standard Weight, Flanged Steel, Concentric Reducer ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,623.16 1,215.73 1,823.59	69.03
23 21 13 23-0842 EA 6" x 4" Standard Weight, Flanged Steel, Concentric Reducer ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,790.56 1,342.62 2,013.92	74.89
23 21 13 23-0843 EA 8" x 6" Standard Weight, Flanged Steel, Concentric Reducer ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,097.11 1,570.67 2,356.01	89.24
<b>23 21 13 23-0844 Flanged Steel, Eccentric Reducers</b> (23 21 13 23-0799)		
23 21 13 23-0845 EA 4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,035.61 755.84 1,133.76	60.53
23 21 13 23-0846 EA 5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,411.82 1,046.66 1,569.98	69.03
<b>23 21 13 23-0847 Plain End Couplings And Fittings</b> (23 21 13 23)		
Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.		
<b>23 21 13 23-0848 Plain End Piping System Couplings</b> (23 21 13 23-0847)		
<b>23 21 13 23-0849 Plainlock Plain End Piping System Couplings</b> (23 21 13 23-0848)		
Note: Ductile iron body with gasket, bolts and nuts.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0850 EA 1" Plainlock Plain End Piping System Coupling .....	189.22	5.86
For Galvanized Fittings, Add	36.09	
23 21 13 23-0851 EA 1-1/2" Plainlock Plain End Piping System Coupling .....	192.64	8.10
For Galvanized Fittings, Add	36.09	
23 21 13 23-0852 EA 2" Plainlock Plain End Piping System Coupling .....	196.60	10.74
For Galvanized Fittings, Add	36.09	
23 21 13 23-0853 EA 2-1/2" Plainlock Plain End Piping System Coupling .....	199.97	12.98
For Galvanized Fittings, Add	36.09	
23 21 13 23-0854 EA 3" Plainlock Plain End Piping System Coupling .....	236.38	15.62
For Galvanized Fittings, Add	42.59	
23 21 13 23-0855 EA 4" Plainlock Plain End Piping System Coupling .....	326.28	20.80
For Galvanized Fittings, Add	59.01	
23 21 13 23-0856 EA 6" Plainlock Plain End Piping System Coupling .....	548.96	33.88
For Galvanized Fittings, Add	99.64	
<b>23 21 13 23-0857 Roust-A-Bout Plain End Piping System Couplings (23 21 13 23-0848)</b>		
Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0858 EA 1-1/2" Roust-A-Bout Plain End Piping System Coupling .....	227.68	8.10
For Galvanized Fittings, Add	53.87	
23 21 13 23-0859 EA 2" Roust-A-Bout Plain End Piping System Coupling .....	231.64	10.74
For Galvanized Fittings, Add	53.87	
23 21 13 23-0860 EA 2-1/2" Roust-A-Bout Plain End Piping System Coupling .....	235.02	13.08
For Galvanized Fittings, Add	53.87	
23 21 13 23-0861 EA 3" Roust-A-Bout Plain End Piping System Coupling .....	342.60	15.62
For Galvanized Fittings, Add	79.80	
23 21 13 23-0862 EA 3-1/2" Roust-A-Bout Plain End Piping System Coupling .....	396.75	18.26
For Galvanized Fittings, Add	92.35	
23 21 13 23-0863 EA 4" Roust-A-Bout Plain End Piping System Coupling .....	400.61	20.80
For Galvanized Fittings, Add	92.35	
23 21 13 23-0864 EA 5" Roust-A-Bout Plain End Piping System Coupling .....	566.80	26.07
For Galvanized Fittings, Add	131.93	
23 21 13 23-0865 EA 6" Roust-A-Bout Plain End Piping System Coupling .....	695.32	33.88
For Galvanized Fittings, Add	161.13	
23 21 13 23-0866 EA 8" Roust-A-Bout Plain End Piping System Coupling .....	1,203.46	40.42
For Galvanized Fittings, Add	285.72	
23 21 13 23-0867 EA 10" Roust-A-Bout Plain End Piping System Coupling .....	1,558.64	47.84
For Galvanized Fittings, Add	371.71	
23 21 13 23-0868 EA 12" Roust-A-Bout Plain End Piping System Coupling .....	1,950.65	56.63
For Galvanized Fittings, Add	466.43	
23 21 13 23-0869 EA 14" Roust-A-Bout Plain End Piping System Coupling .....	2,743.18	62.59
For Galvanized Fittings, Add	662.33	
23 21 13 23-0870 EA 16" Roust-A-Bout Plain End Piping System Coupling .....	3,734.13	70.79
For Galvanized Fittings, Add	907.00	
<b>23 21 13 23-0871 Plain End Piping System Fittings (23 21 13 23-0847)</b>		
Note: Cast ductile iron bodies.		
<b>23 21 13 23-0872 Plain End Piping System, 90 Degree Elbows (23 21 13 23-0871)</b>		
23 21 13 23-0873 EA 1" Plain End Piping System, 90 Degree Elbow .....	186.29	10.65
For Galvanized Fittings, Add	34.07	
23 21 13 23-0874 EA 1-1/2" Plain End Piping System, 90 Degree Elbow .....	194.50	16.11
For Galvanized Fittings, Add	34.07	
23 21 13 23-0875 EA 2" Plain End Piping System, 90 Degree Elbow .....	202.24	21.29
For Galvanized Fittings, Add	34.07	
23 21 13 23-0876 EA 2-1/2" Plain End Piping System, 90 Degree Elbow .....	209.20	25.97
For Galvanized Fittings, Add	34.07	
23 21 13 23-0877 EA 3" Plain End Piping System, 90 Degree Elbow .....	251.71	31.44
For Galvanized Fittings, Add	40.92	
23 21 13 23-0878 EA 4" Plain End Piping System, 90 Degree Elbow .....	360.47	41.40
For Galvanized Fittings, Add	59.67	
23 21 13 23-0879 EA 5" Plain End Piping System, 90 Degree Elbow .....	1,110.43	51.84
For Galvanized Fittings, Add	206.54	
23 21 13 23-0880 EA 6" Plain End Piping System, 90 Degree Elbow .....	922.88	67.86
For Galvanized Fittings, Add	164.23	
23 21 13 23-0881 EA 8" Plain End Piping System, 90 Degree Elbow .....	1,855.21	80.55
For Galvanized Fittings, Add	346.87	
23 21 13 23-0882 EA 10" Plain End Piping System, 90 Degree Elbow .....	2,320.93	94.12
For Galvanized Fittings, Add	435.97	
23 21 13 23-0883 EA 12" Plain End Piping System, 90 Degree Elbow .....	2,944.94	113.06
For Galvanized Fittings, Add	555.08	
<b>23 21 13 23-0884 Plain End Piping System, 45 Degree Elbows (23 21 13 23-0871)</b>		
23 21 13 23-0885 EA 1" Plain End Piping System, 45 Degree Elbow .....	186.29	10.65
For Galvanized Fittings, Add	34.07	
23 21 13 23-0886 EA 1-1/2" Plain End Piping System, 45 Degree Elbow .....	194.50	16.11
For Galvanized Fittings, Add	34.07	
23 21 13 23-0887 EA 2" Plain End Piping System, 45 Degree Elbow .....	202.24	21.29
For Galvanized Fittings, Add	34.07	
23 21 13 23-0888 EA 2-1/2" Plain End Piping System, 45 Degree Elbow .....	209.20	25.97
For Galvanized Fittings, Add	34.07	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0889 EA 3" Plain End Piping System, 45 Degree Elbow.....	251.71	31.44
<i>For Galvanized Fittings, Add</i>	40.92	
23 21 13 23-0890 EA 4" Plain End Piping System, 45 Degree Elbow.....	360.47	41.40
<i>For Galvanized Fittings, Add</i>	59.67	
23 21 13 23-0891 EA 5" Plain End Piping System, 45 Degree Elbow.....	1,110.43	51.84
<i>For Galvanized Fittings, Add</i>	206.54	
23 21 13 23-0892 EA 6" Plain End Piping System, 45 Degree Elbow.....	926.03	67.86
<i>For Galvanized Fittings, Add</i>	164.86	
23 21 13 23-0893 EA 8" Plain End Piping System, 45 Degree Elbow.....	1,073.83	80.55
<i>For Galvanized Fittings, Add</i>	190.60	
23 21 13 23-0894 EA 10" Plain End Piping System, 45 Degree Elbow.....	1,471.04	94.12
<i>For Galvanized Fittings, Add</i>	265.99	
23 21 13 23-0895 EA 12" Plain End Piping System, 45 Degree Elbow.....	1,887.62	113.06
<i>For Galvanized Fittings, Add</i>	343.62	
<b>23 21 13 23-0896 Plain End Piping System, Tees (23 21 13 23-0871)</b>		
23 21 13 23-0897 EA 1" Plain End Piping System, Tee.....	253.53	16.11
<i>For Galvanized Fittings, Add</i>	45.87	
23 21 13 23-0898 EA 1-1/2" Plain End Piping System, Tee.....	265.63	24.21
<i>For Galvanized Fittings, Add</i>	45.87	
23 21 13 23-0899 EA 2" Plain End Piping System, Tee.....	276.31	31.34
<i>For Galvanized Fittings, Add</i>	45.87	
23 21 13 23-0900 EA 2-1/2" Plain End Piping System, Tee.....	286.93	38.38
<i>For Galvanized Fittings, Add</i>	45.87	
23 21 13 23-0901 EA 3" Plain End Piping System, Tee.....	400.84	47.16
<i>For Galvanized Fittings, Add</i>	66.02	
23 21 13 23-0902 EA 4" Plain End Piping System, Tee.....	550.47	61.03
<i>For Galvanized Fittings, Add</i>	91.81	
23 21 13 23-0903 EA 5" Plain End Piping System, Tee.....	1,128.04	79.77
<i>For Galvanized Fittings, Add</i>	201.68	
23 21 13 23-0904 EA 6" Plain End Piping System, Tee.....	1,394.30	99.89
<i>For Galvanized Fittings, Add</i>	248.91	
23 21 13 23-0905 EA 8" Plain End Piping System, Tee.....	1,906.59	121.46
<i>For Galvanized Fittings, Add</i>	344.88	
23 21 13 23-0906 EA 10" Plain End Piping System, Tee.....	2,845.62	141.58
<i>For Galvanized Fittings, Add</i>	526.67	
23 21 13 23-0907 EA 12" Plain End Piping System, Tee.....	3,816.61	169.61
<i>For Galvanized Fittings, Add</i>	712.47	
<b>23 21 13 23-0908 Plain End Piping System, Reducing Tees (23 21 13 23-0871)</b>		
23 21 13 23-0909 EA 1-1/2" Plain End Piping System, Reducing Tee.....	492.27	25.97
<i>For Galvanized Fittings, Add</i>	90.67	
23 21 13 23-0910 EA 2" Plain End Piping System, Reducing Tee.....	500.31	31.34
<i>For Galvanized Fittings, Add</i>	90.67	
23 21 13 23-0911 EA 2-1/2" Plain End Piping System, Reducing Tee.....	510.93	38.38
<i>For Galvanized Fittings, Add</i>	90.67	
23 21 13 23-0912 EA 3" Plain End Piping System, Reducing Tee.....	524.12	47.16
<i>For Galvanized Fittings, Add</i>	90.67	
23 21 13 23-0913 EA 4" Plain End Piping System, Reducing Tee.....	760.73	61.03
<i>For Galvanized Fittings, Add</i>	133.86	
23 21 13 23-0914 EA 6" Plain End Piping System, Reducing Tee.....	1,286.32	99.89
<i>For Galvanized Fittings, Add</i>	227.31	
23 21 13 23-0915 EA 8" Plain End Piping System, Reducing Tee.....	1,678.96	121.46
<i>For Galvanized Fittings, Add</i>	299.36	
23 21 13 23-0916 EA 10" Plain End Piping System, Reducing Tee.....	2,519.81	141.58
<i>For Galvanized Fittings, Add</i>	461.51	
23 21 13 23-0917 EA 12" Plain End Piping System, Reducing Tee.....	3,723.38	169.61
<i>For Galvanized Fittings, Add</i>	693.82	
<b>23 21 13 23-0918 Plain End Piping System, Wyes (23 21 13 23-0871)</b>		
23 21 13 23-0919 EA 2" Plain End Piping System, Wye.....	718.79	31.34
<i>For Galvanized Fittings, Add</i>	134.37	
23 21 13 23-0920 EA 2-1/2" Plain End Piping System, Wye.....	729.41	38.38
<i>For Galvanized Fittings, Add</i>	134.37	
23 21 13 23-0921 EA 3" Plain End Piping System, Wye.....	825.94	47.16
<i>For Galvanized Fittings, Add</i>	151.04	
23 21 13 23-0922 EA 4" Plain End Piping System, Wye.....	1,212.36	61.03
<i>For Galvanized Fittings, Add</i>	224.19	
23 21 13 23-0923 EA 5" Plain End Piping System, Wye.....	1,483.69	79.77
<i>For Galvanized Fittings, Add</i>	272.81	
23 21 13 23-0924 EA 6" Plain End Piping System, Wye.....	2,028.09	99.89
<i>For Galvanized Fittings, Add</i>	375.67	
23 21 13 23-0925 EA 8" Plain End Piping System, Wye.....	2,614.73	121.46
<i>For Galvanized Fittings, Add</i>	486.51	
23 21 13 23-0926 EA 10" Plain End Piping System, Wye.....	3,799.39	141.58
<i>For Galvanized Fittings, Add</i>	717.42	
23 21 13 23-0927 EA 12" Plain End Piping System, Wye.....	5,784.12	169.61
<i>For Galvanized Fittings, Add</i>	1,105.97	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 13 23-0928 Plain End Piping System, Laterals (23 21 13 23-0871)</b>					
23 21	13 23-0929	EA	2" Plain End Piping System, Lateral .....	766.30	31.34
			<i>For Galvanized Fittings, Add</i> .....	143.87	
23 21	13 23-0930	EA	2-1/2" Plain End Piping System, Lateral .....	776.92	38.38
			<i>For Galvanized Fittings, Add</i> .....	143.87	
23 21	13 23-0931	EA	3" Plain End Piping System, Lateral .....	873.14	47.16
			<i>For Galvanized Fittings, Add</i> .....	160.48	
23 21	13 23-0932	EA	4" Plain End Piping System, Lateral .....	1,302.49	61.03
			<i>For Galvanized Fittings, Add</i> .....	242.21	
23 21	13 23-0933	EA	5" Plain End Piping System, Lateral .....	1,698.38	79.77
			<i>For Galvanized Fittings, Add</i> .....	315.74	
23 21	13 23-0934	EA	6" Plain End Piping System, Lateral .....	2,166.21	99.89
			<i>For Galvanized Fittings, Add</i> .....	403.29	
23 21	13 23-0935	EA	8" Plain End Piping System, Lateral .....	3,122.08	121.46
			<i>For Galvanized Fittings, Add</i> .....	587.98	
23 21	13 23-0936	EA	10" Plain End Piping System, Lateral .....	4,362.30	141.58
			<i>For Galvanized Fittings, Add</i> .....	830.01	
23 21	13 23-0937	EA	12" Plain End Piping System, Lateral .....	5,867.79	169.61
			<i>For Galvanized Fittings, Add</i> .....	1,122.70	
<b>23 21 13 23-0938 Plain End Piping System, Crosses (23 21 13 23-0871)</b>					
23 21	13 23-0939	EA	2" Plain End Piping System, Cross .....	851.41	46.97
			<i>For Galvanized Fittings, Add</i> .....	97.63	
23 21	13 23-0940	EA	2-1/2" Plain End Piping System, Cross .....	867.33	57.51
			<i>For Galvanized Fittings, Add</i> .....	97.63	
23 21	13 23-0941	EA	3" Plain End Piping System, Cross .....	1,012.07	70.79
			<i>For Galvanized Fittings, Add</i> .....	113.24	
23 21	13 23-0942	EA	4" Plain End Piping System, Cross .....	1,381.68	91.49
			<i>For Galvanized Fittings, Add</i> .....	155.57	
23 21	13 23-0943	EA	5" Plain End Piping System, Cross .....	1,947.15	119.71
			<i>For Galvanized Fittings, Add</i> .....	220.96	
23 21	13 23-0944	EA	6" Plain End Piping System, Cross .....	2,558.01	149.39
			<i>For Galvanized Fittings, Add</i> .....	291.76	
23 21	13 23-0945	EA	8" Plain End Piping System, Cross .....	3,265.60	180.93
			<i>For Galvanized Fittings, Add</i> .....	374.30	
23 21	13 23-0946	EA	10" Plain End Piping System, Cross .....	4,685.99	211.49
			<i>For Galvanized Fittings, Add</i> .....	546.12	
23 21	13 23-0947	EA	12" Plain End Piping System, Cross .....	6,681.13	254.45
			<i>For Galvanized Fittings, Add</i> .....	787.47	
<b>23 21 13 23-0948 Plain End Piping System, Adapter Nipples (23 21 13 23-0871)</b>					
Note: Plain to threaded, plain to beveled or plain to grooved.					
23 21	13 23-0949	EA	1" Plain End Piping System, Adapter Nipple .....	34.42	5.86
			<i>For Galvanized Fittings, Add</i> .....	6.41	
23 21	13 23-0950	EA	1-1/2" Plain End Piping System, Adapter Nipple .....	38.54	8.10
			<i>For Galvanized Fittings, Add</i> .....	6.58	
23 21	13 23-0951	EA	2" Plain End Piping System, Adapter Nipple .....	42.39	10.74
			<i>For Galvanized Fittings, Add</i> .....	6.58	
23 21	13 23-0952	EA	2-1/2" Plain End Piping System, Adapter Nipple .....	50.38	12.98
			<i>For Galvanized Fittings, Add</i> .....	7.71	
23 21	13 23-0953	EA	3" Plain End Piping System, Adapter Nipple .....	61.56	15.62
			<i>For Galvanized Fittings, Add</i> .....	9.53	
23 21	13 23-0954	EA	4" Plain End Piping System, Adapter Nipple .....	94.99	20.80
			<i>For Galvanized Fittings, Add</i> .....	15.94	
23 21	13 23-0955	EA	6" Plain End Piping System, Adapter Nipple .....	211.46	26.07
			<i>For Galvanized Fittings, Add</i> .....	43.10	
<b>23 21 13 23-0956 Plain End Piping System, Reducing (Swaged) Nipples (23 21 13 23-0871)</b>					
23 21	13 23-0957	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple .....	107.12	13.96
			<i>For Galvanized Fittings, Add</i> .....	21.53	
23 21	13 23-0958	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple .....	111.04	16.60
			<i>For Galvanized Fittings, Add</i> .....	21.53	
23 21	13 23-0959	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple .....	114.98	19.23
			<i>For Galvanized Fittings, Add</i> .....	21.53	
23 21	13 23-0960	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple .....	114.02	18.65
			<i>For Galvanized Fittings, Add</i> .....	21.53	
23 21	13 23-0961	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple .....	117.87	21.19
			<i>For Galvanized Fittings, Add</i> .....	21.53	
23 21	13 23-0962	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple .....	121.76	23.73
			<i>For Galvanized Fittings, Add</i> .....	21.53	
23 21	13 23-0963	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple .....	137.06	21.48
			<i>For Galvanized Fittings, Add</i> .....	26.23	
23 21	13 23-0964	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple .....	140.53	23.73
			<i>For Galvanized Fittings, Add</i> .....	26.23	
23 21	13 23-0965	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple .....	120.25	26.36
			<i>For Galvanized Fittings, Add</i> .....	20.17	
23 21	13 23-0966	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple .....	127.81	31.44
			<i>For Galvanized Fittings, Add</i> .....	20.17	
23 21	13 23-0967	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple .....	147.22	33.88
			<i>For Galvanized Fittings, Add</i> .....	24.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0968 EA 4" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	187.53 36.88	26.65
23 21 13 23-0969 EA 4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	190.95 36.88	29.00
23 21 13 23-0970 EA 4" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	159.10 27.93	31.63
23 21 13 23-0971 EA 4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	162.45 27.93	33.88
23 21 13 23-0972 EA 4" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	166.43 27.93	36.52
23 21 13 23-0973 EA 4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	170.24 27.93	39.05
23 21 13 23-0974 EA 5" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	466.00 102.69	36.81
23 21 13 23-0975 EA 5" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	379.48 79.26	41.59
23 21 13 23-0976 EA 5" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	331.24 65.23	46.97
23 21 13 23-0977 EA 6" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	842.22 195.67	39.74
23 21 13 23-0978 EA 6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	845.59 195.67	41.99
23 21 13 23-0979 EA 6" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	645.77 144.73	44.63
23 21 13 23-0980 EA 6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	649.24 144.73	46.97
23 21 13 23-0981 EA 6" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	449.36 93.79	49.51
23 21 13 23-0982 EA 6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	452.91 93.79	51.84
23 21 13 23-0983 EA 6" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	366.44 71.13	54.68
23 21 13 23-0984 EA 6" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	415.98 81.56	59.86
23 21 13 23-0985 EA 8" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	536.34 113.12	55.95
23 21 13 23-0986 EA 8" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	544.22 113.12	61.22
23 21 13 23-0987 EA 8" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	614.37 128.68	66.49
23 21 13 23-0988 EA 8" x 6" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	688.43 144.24	74.30
<b>23 21 13 23-0989 Plain End Piping System, Bull Plugs (23 21 13 23-0871)</b>		
23 21 13 23-0990 EA 1" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	379.12 111.10	5.86
23 21 13 23-0991 EA 1-1/2" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	382.54 111.10	8.10
23 21 13 23-0992 EA 2" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	386.39 111.10	10.74
23 21 13 23-0993 EA 2-1/2" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	389.86 111.10	12.98
23 21 13 23-0994 EA 3" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	566.30 162.86	15.62
23 21 13 23-0995 EA 4" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	732.44 210.36	20.80
23 21 13 23-0996 EA 5" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	1,278.22 371.75	26.07
23 21 13 23-0997 EA 6" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	1,703.52 495.83	33.88
23 21 13 23-0998 EA 8" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	3,167.76 932.17	40.32
23 21 13 23-0999 EA 10" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	5,711.43 1,692.20	47.16
23 21 13 23-1000 EA 12" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	8,759.28 2,602.31	56.63
<b>23 21 13 23-1001 Carbon Steel Piping Systems (23 21 13 23)</b>		
<b>23 21 13 23-1002 Class 3,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-1001)</b> Note: ASTM A105		
<b>23 21 13 23-1003 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1002)</b>		
23 21 13 23-1004 EA 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	39.12	19.33
23 21 13 23-1005 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	44.04	21.58
23 21 13 23-1006 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	57.64	24.11
23 21 13 23-1007 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	80.99	27.34
23 21 13 23-1008 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	92.77	30.76
23 21 13 23-1009 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	127.08	39.15
23 21 13 23-1010 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	260.44	57.90
23 21 13 23-1011 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	373.40	76.16
23 21 13 23-1012 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	670.38	80.03

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1013			<b>45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1002)</small>		
23 21 13 23-1014	EA		1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	43.62	19.33
23 21 13 23-1015	EA		3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	50.83	21.58
23 21 13 23-1016	EA		1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	59.73	24.11
23 21 13 23-1017	EA		1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	83.64	27.34
23 21 13 23-1018	EA		1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	99.11	30.76
23 21 13 23-1019	EA		2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	126.95	39.15
23 21 13 23-1020	EA		2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	299.24	57.90
23 21 13 23-1021	EA		3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	406.22	76.16
23 21 13 23-1022	EA		4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	656.18	80.03
23 21 13 23-1023			<b>Straight Tees, 3,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1002)</small>		
23 21 13 23-1024	EA		1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	47.74	24.11
23 21 13 23-1025	EA		3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	58.45	27.83
23 21 13 23-1026	EA		1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	78.91	32.90
23 21 13 23-1027	EA		1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	106.90	39.15
23 21 13 23-1028	EA		1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	129.83	46.67
23 21 13 23-1029	EA		2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	173.65	57.90
23 21 13 23-1030	EA		2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	323.31	76.16
23 21 13 23-1031	EA		3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	449.60	90.41
23 21 13 23-1032	EA		4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	889.18	101.04
23 21 13 23-1033			<b>Reducing Tees, 3,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1002)</small>		
23 21 13 23-1034	EA		1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	48.97	24.11
23 21 13 23-1035	EA		3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	59.72	27.83
23 21 13 23-1036	EA		1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	80.43	32.90
23 21 13 23-1037	EA		1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	110.50	39.15
23 21 13 23-1038	EA		1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	134.06	46.67
23 21 13 23-1039	EA		2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	180.14	57.90
23 21 13 23-1040	EA		2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	338.74	76.16
23 21 13 23-1041	EA		3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	471.80	90.41
23 21 13 23-1042	EA		4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	810.16	101.04
23 21 13 23-1043			<b>Straight Couplings, 3,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1002)</small>		
23 21 13 23-1044	EA		1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	33.59	19.33
23 21 13 23-1045	EA		3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	37.91	21.58
23 21 13 23-1046	EA		1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	44.62	24.11
23 21 13 23-1047	EA		1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	51.60	27.34
23 21 13 23-1048	EA		1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	60.51	30.76
23 21 13 23-1049	EA		2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	79.60	39.15
23 21 13 23-1050	EA		2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 LB.....	139.49	57.90
23 21 13 23-1051	EA		3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	186.88	76.16
23 21 13 23-1052	EA		4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	264.92	80.03
23 21 13 23-1053			<b>Reducing Couplings, 3,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1002)</small>		
23 21 13 23-1054	EA		1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	36.09	19.33
23 21 13 23-1055	EA		3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	40.66	21.58
23 21 13 23-1056	EA		1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	49.02	24.11
23 21 13 23-1057	EA		1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	56.92	27.34
23 21 13 23-1058	EA		1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	68.39	30.76
23 21 13 23-1059	EA		2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	88.03	39.15
23 21 13 23-1060	EA		2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	158.05	57.90
23 21 13 23-1061	EA		3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	224.22	76.16
23 21 13 23-1062	EA		4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	342.54	80.03
23 21 13 23-1063			<b>Caps, 3,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1002)</small>		
23 21 13 23-1064	EA		1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	20.92	9.08
23 21 13 23-1065	EA		3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	24.11	9.67
23 21 13 23-1066	EA		1" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	28.37	11.13
23 21 13 23-1067	EA		1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	33.31	12.11
23 21 13 23-1068	EA		1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	38.89	12.11
23 21 13 23-1069	EA		2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	50.49	15.52
23 21 13 23-1070	EA		2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	92.89	19.33
23 21 13 23-1071	EA		3" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	135.77	23.34
23 21 13 23-1072	EA		4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	198.24	27.39
23 21 13 23-1073			<b>Black Cast Iron Square Head Plug</b> <small>(23 21 13 23-1002)</small>		
23 21 13 23-1074	EA		1/2" Square Head Plug, Black, Cast Iron.....	13.11	7.71
23 21 13 23-1075	EA		3/4" Square Head Plug, Black, Cast Iron.....	15.50	7.71
23 21 13 23-1076	EA		1" Square Head Plug, Black, Cast Iron.....	21.93	11.71
23 21 13 23-1077	EA		1-1/4" Square Head Plug, Black, Cast Iron.....	22.41	11.71
23 21 13 23-1078	EA		1-1/2" Square Head Plug, Black, Cast Iron.....	24.39	11.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1079 EA 2" Square Head Plug, Black, Cast Iron.....	32.27	15.52
23 21 13 23-1080 EA 2-1/2" Square Head Plug, Black, Cast Iron.....	41.89	19.33
23 21 13 23-1081 EA 3" Square Head Plug, Black, Cast Iron.....	55.80	23.34
23 21 13 23-1082 EA 4" Square Head Plug, Black, Cast Iron.....	65.54	27.39
<b>23 21 13 23-1083 Unions, 3,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1002)</small>		
23 21 13 23-1084 EA 1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	62.25	24.11
23 21 13 23-1085 EA 3/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	68.50	27.83
23 21 13 23-1086 EA 1" Union, Carbon Steel, Socket Weld, 3,000 LB.....	88.45	32.90
23 21 13 23-1087 EA 1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	112.66	39.15
23 21 13 23-1088 EA 1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	135.91	46.67
23 21 13 23-1089 EA 2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	170.10	57.90
23 21 13 23-1090 EA 2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	307.65	62.88
23 21 13 23-1091 EA 3" Union, Carbon Steel, Socket Weld, 3,000 LB.....	416.56	76.16
<b>23 21 13 23-1092 Class 6,000 LB Carbon Steel Socket Weld Fittings</b> <small>(23 21 13 23-1001)</small>		
<small>Note: ASTM A105</small>		
<b>23 21 13 23-1093 90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1092)</small>		
23 21 13 23-1094 EA 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	44.54	19.33
23 21 13 23-1095 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	50.23	21.58
23 21 13 23-1096 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	69.05	24.11
23 21 13 23-1097 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	102.26	27.34
23 21 13 23-1098 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	117.52	30.76
23 21 13 23-1099 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	163.43	39.15
23 21 13 23-1100 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	352.67	57.90
23 21 13 23-1101 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	511.06	76.16
23 21 13 23-1102 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	962.71	80.03
<b>23 21 13 23-1103 45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1092)</small>		
23 21 13 23-1104 EA 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	51.93	19.33
23 21 13 23-1105 EA 3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	61.28	21.58
23 21 13 23-1106 EA 1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	73.07	24.11
23 21 13 23-1107 EA 1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	107.81	27.34
23 21 13 23-1108 EA 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	129.08	30.76
23 21 13 23-1109 EA 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	165.63	39.15
23 21 13 23-1110 EA 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	419.52	57.90
23 21 13 23-1111 EA 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	571.57	76.16
23 21 13 23-1112 EA 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	959.79	80.03
<b>23 21 13 23-1113 Straight Tees, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1092)</small>		
23 21 13 23-1114 EA 1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	58.47	24.11
23 21 13 23-1115 EA 3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	73.94	27.83
23 21 13 23-1116 EA 1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	106.32	32.90
23 21 13 23-1117 EA 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	151.59	39.15
23 21 13 23-1118 EA 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	185.25	46.67
23 21 13 23-1119 EA 2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	254.11	57.90
23 21 13 23-1120 EA 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	516.99	76.16
23 21 13 23-1121 EA 3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	740.42	90.41
23 21 13 23-1122 EA 4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	1,572.42	101.04
<b>23 21 13 23-1123 Reducing Tees, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1092)</small>		
23 21 13 23-1124 EA 1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	48.97	24.11
23 21 13 23-1125 EA 3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	59.72	27.83
23 21 13 23-1126 EA 1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	80.43	32.90
23 21 13 23-1127 EA 1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	110.50	39.15
23 21 13 23-1128 EA 1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	134.06	46.67
23 21 13 23-1129 EA 2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	180.14	57.90
23 21 13 23-1130 EA 2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	338.74	76.16
23 21 13 23-1131 EA 3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	471.80	90.41
23 21 13 23-1132 EA 4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	810.16	101.04
<b>23 21 13 23-1133 Straight Couplings, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1092)</small>		
23 21 13 23-1134 EA 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	35.84	19.33
23 21 13 23-1135 EA 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	40.57	21.58
23 21 13 23-1136 EA 1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	48.71	24.11
23 21 13 23-1137 EA 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	56.76	27.34
23 21 13 23-1138 EA 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	67.44	30.76
23 21 13 23-1139 EA 2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	89.73	39.15
23 21 13 23-1140 EA 2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	164.98	57.90
23 21 13 23-1141 EA 3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	222.02	76.16
23 21 13 23-1142 EA 4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	335.04	80.03

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1143		<b>Reducing Couplings, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1092)</small>		
	23 21	13 23-1144	EA 1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB .....	39.53	19.33
	23 21	13 23-1145	EA 3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB .....	44.62	21.58
	23 21	13 23-1146	EA 1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB .....	55.19	24.11
	23 21	13 23-1147	EA 1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB .....	64.59	27.34
	23 21	13 23-1148	EA 1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB .....	79.06	30.76
	23 21	13 23-1149	EA 2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB .....	102.13	39.15
	23 21	13 23-1150	EA 2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB .....	192.26	57.90
	23 21	13 23-1151	EA 3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB .....	277.02	76.16
	23 21	13 23-1152	EA 4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB .....	449.39	80.03
23 21	13 23-1153		<b>Caps, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1092)</small>		
	23 21	13 23-1154	EA 1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB .....	25.86	9.08
	23 21	13 23-1155	EA 3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB .....	30.59	9.67
	23 21	13 23-1156	EA 1" Cap, Carbon Steel, Socket Weld, 6,000 LB .....	36.20	11.13
	23 21	13 23-1157	EA 1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB .....	43.53	12.11
	23 21	13 23-1158	EA 1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB .....	52.86	12.11
	23 21	13 23-1159	EA 2" Cap, Carbon Steel, Socket Weld, 6,000 LB .....	68.71	15.52
	23 21	13 23-1160	EA 2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB .....	135.82	19.33
	23 21	13 23-1161	EA 3" Cap, Carbon Steel, Socket Weld, 6,000 LB .....	203.40	23.34
	23 21	13 23-1162	EA 4" Cap, Carbon Steel, Socket Weld, 6,000 LB .....	303.68	27.39
23 21	13 23-1163		<b>Black Cast Iron Square Head Plug</b> <small>(23 21 13 23-1092)</small>		
	23 21	13 23-1164	EA 1/2" Square Head Plug, Black Cast Iron .....	13.12	7.71
	23 21	13 23-1165	EA 3/4" Square Head Plug, Black Cast Iron .....	15.52	7.71
	23 21	13 23-1166	EA 1" Square Head Plug, Black Cast Iron .....	21.96	11.71
	23 21	13 23-1167	EA 1-1/4" Square Head Plug, Black Cast Iron .....	22.44	11.71
	23 21	13 23-1168	EA 1-1/2" Square Head Plug, Black Cast Iron .....	24.42	11.71
	23 21	13 23-1169	EA 2" Square Head Plug, Black Cast Iron .....	32.31	15.52
	23 21	13 23-1170	EA 2-1/2" Square Head Plug, Black Cast Iron .....	41.96	19.33
	23 21	13 23-1171	EA 3" Square Head Plug, Black Cast Iron .....	55.91	23.34
	23 21	13 23-1172	EA 4" Square Head Plug, Black Cast Iron .....	65.66	27.39
23 21	13 23-1173		<b>Unions, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1092)</small>		
	23 21	13 23-1174	EA 1/2" Union, Carbon Steel, Socket Weld, 6,000 LB .....	78.21	24.11
	23 21	13 23-1175	EA 3/4" Union, Carbon Steel, Socket Weld, 6,000 LB .....	84.88	27.83
	23 21	13 23-1176	EA 1" Union, Carbon Steel, Socket Weld, 6,000 LB .....	112.38	32.90
	23 21	13 23-1177	EA 1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB .....	145.69	39.15
	23 21	13 23-1178	EA 1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB .....	176.22	46.67
	23 21	13 23-1179	EA 2" Union, Carbon Steel, Socket Weld, 6,000 LB .....	221.05	57.90
	23 21	13 23-1180	EA 2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB .....	438.10	62.88
	23 21	13 23-1181	EA 3" Union, Carbon Steel, Socket Weld, 6,000 LB .....	601.45	76.16
23 21	13 23-1182		<b>Carbon Steel, Seamless Piping System</b> <small>(23 21 13 23-1001)</small>		
			Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21	13 23-1183		<b>Schedule 40, Carbon Steel, Seamless Piping</b> <small>(23 21 13 23-1182)</small>		
			Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
	23 21	13 23-1184	LF 1/4" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	9.92	3.61
			For Schedule 80, Add .....	1.62	
	23 21	13 23-1185	LF 1/2" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	10.03	3.90
			For Schedule 80, Add .....	1.48	
			For Schedule 160, Add .....	6.17	
	23 21	13 23-1186	LF 3/4" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	11.34	4.19
			For Schedule 80, Add .....	1.81	
			For Schedule 160, Add .....	7.56	
	23 21	13 23-1187	LF 1" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	12.01	4.59
			For Schedule 80, Add .....	1.87	
			For Schedule 160, Add .....	7.79	
	23 21	13 23-1188	LF 1-1/2" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	16.14	5.67
			For Schedule 80, Add .....	2.75	
			For Schedule 160, Add .....	11.48	
	23 21	13 23-1189	LF 2" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	20.36	6.83
			For Schedule 80, Add .....	3.63	
			For Schedule 160, Add .....	15.12	
23 21	13 23-1190		<b>90 Degree Elbows, Screwed Carbon Steel</b> <small>(23 21 13 23-1182)</small>		
	23 21	13 23-1191	EA 1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	28.70	14.84
	23 21	13 23-1192	EA 1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	34.86	17.38
	23 21	13 23-1193	EA 3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	38.93	19.44
	23 21	13 23-1194	EA 1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	44.89	21.67
	23 21	13 23-1195	EA 1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	73.41	27.73
	23 21	13 23-1196	EA 2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	92.99	35.25
	23 21	13 23-1197	EA 1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	30.74	14.84
	23 21	13 23-1198	EA 1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	35.63	17.38
	23 21	13 23-1199	EA 3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	41.46	19.44



MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 21	13 23-1200	EA 1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	50.40	21.67
23 21	13 23-1201	EA 1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	86.56	27.73
23 21	13 23-1202	EA 2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	107.52	35.25
23 21	13 23-1203	EA 1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	42.79	17.38
23 21	13 23-1204	EA 3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	50.48	19.44
23 21	13 23-1205	EA 1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	59.87	21.67
23 21	13 23-1206	EA 1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	113.18	27.73
23 21	13 23-1207	EA 2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	178.12	35.25
<b>23 21 13 23-1208 45 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1182)</b>				
23 21	13 23-1209	EA 1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	32.93	14.84
23 21	13 23-1210	EA 1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	36.51	17.38
23 21	13 23-1211	EA 3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	41.07	19.44
23 21	13 23-1212	EA 1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	46.51	21.67
23 21	13 23-1213	EA 1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	68.15	27.73
23 21	13 23-1214	EA 2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	101.09	35.25
23 21	13 23-1215	EA 1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	33.26	14.84
23 21	13 23-1216	EA 1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	38.39	17.38
23 21	13 23-1217	EA 3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	43.23	19.44
23 21	13 23-1218	EA 1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	52.14	21.67
23 21	13 23-1219	EA 1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	84.53	27.73
23 21	13 23-1220	EA 2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	112.06	35.25
23 21	13 23-1221	EA 1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	47.73	17.38
23 21	13 23-1222	EA 3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	59.40	19.44
23 21	13 23-1223	EA 1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	63.22	21.67
23 21	13 23-1224	EA 1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	132.17	27.73
23 21	13 23-1225	EA 2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	179.37	35.25
<b>23 21 13 23-1226 Straight Tees, Screwed Carbon Steel (23 21 13 23-1182)</b>				
23 21	13 23-1227	EA 1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	38.34	20.60
23 21	13 23-1228	EA 1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	43.98	21.67
23 21	13 23-1229	EA 3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	53.13	25.09
23 21	13 23-1230	EA 1" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	65.69	29.59
23 21	13 23-1231	EA 1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	107.81	41.99
23 21	13 23-1232	EA 2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	133.67	52.14
23 21	13 23-1233	EA 1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	40.09	20.60
23 21	13 23-1234	EA 1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	45.12	21.67
23 21	13 23-1235	EA 3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	56.94	25.09
23 21	13 23-1236	EA 1" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	68.95	29.59
23 21	13 23-1237	EA 1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	119.10	41.99
23 21	13 23-1238	EA 2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	152.35	52.14
23 21	13 23-1239	EA 1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	53.71	21.67
23 21	13 23-1240	EA 3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	66.17	25.09
23 21	13 23-1241	EA 1" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	91.77	29.59
23 21	13 23-1242	EA 1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	145.03	41.99
23 21	13 23-1243	EA 2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	235.00	52.14
<b>23 21 13 23-1244 Crosses, Screwed Carbon Steel (23 21 13 23-1182)</b>				
23 21	13 23-1245	EA 1/4" Cross, 2,000 LB, Screwed Carbon Steel.....	59.01	26.07
23 21	13 23-1246	EA 1/2" Cross, 2,000 LB, Screwed Carbon Steel.....	70.43	29.29
23 21	13 23-1247	EA 3/4" Cross, 2,000 LB, Screwed Carbon Steel.....	75.83	31.25
23 21	13 23-1248	EA 1" Cross, 2,000 LB, Screwed Carbon Steel.....	94.23	37.69
23 21	13 23-1249	EA 1-1/2" Cross, 2,000 LB, Screwed Carbon Steel.....	169.92	52.72
23 21	13 23-1250	EA 2" Cross, 2,000 LB, Screwed Carbon Steel.....	220.74	65.13
23 21	13 23-1251	EA 1/2" Cross, 3,000 LB, Screwed Carbon Steel.....	72.58	29.29
23 21	13 23-1252	EA 3/4" Cross, 3,000 LB, Screwed Carbon Steel.....	88.17	31.25
23 21	13 23-1253	EA 1" Cross, 3,000 LB, Screwed Carbon Steel.....	105.04	37.69
23 21	13 23-1254	EA 1-1/2" Cross, 3,000 LB, Screwed Carbon Steel.....	185.49	52.72
23 21	13 23-1255	EA 2" Cross, 3,000 LB, Screwed Carbon Steel.....	249.19	65.13
23 21	13 23-1256	EA 1/2" Cross, 6,000 LB, Screwed Carbon Steel.....	112.79	29.29
23 21	13 23-1257	EA 3/4" Cross, 6,000 LB, Screwed Carbon Steel.....	197.91	31.25
23 21	13 23-1258	EA 1" Cross, 6,000 LB, Screwed Carbon Steel.....	274.13	37.69
23 21	13 23-1259	EA 1-1/2" Cross, 6,000 LB, Screwed Carbon Steel.....	436.95	52.72
23 21	13 23-1260	EA 2" Cross, 6,000 LB, Screwed Carbon Steel.....	475.29	65.13
<b>23 21 13 23-1261 Straight Couplings, Screwed Carbon Steel (23 21 13 23-1182)</b>				
23 21	13 23-1262	EA 1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	26.03	14.84
23 21	13 23-1263	EA 1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	29.61	17.38
23 21	13 23-1264	EA 3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	34.05	19.44
23 21	13 23-1265	EA 1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	39.94	21.67
23 21	13 23-1266	EA 1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	60.14	27.73
23 21	13 23-1267	EA 2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	76.32	35.25
23 21	13 23-1268	EA 1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	31.18	14.84
23 21	13 23-1269	EA 1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	32.87	17.38
23 21	13 23-1270	EA 3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	36.56	19.44
23 21	13 23-1271	EA 1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	43.28	21.67

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1272 EA 1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel .....	65.24	27.73
23 21 13 23-1273 EA 2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel .....	94.94	35.25
<b>23 21 13 23-1274 Reducing Couplings, Screwed Carbon Steel (23 21 13 23-1182)</b>		
23 21 13 23-1275 EA 1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel .....	26.74	15.82
23 21 13 23-1276 EA 1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel .....	31.29	17.38
23 21 13 23-1277 EA 3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel .....	36.63	19.44
23 21 13 23-1278 EA 1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel .....	43.52	21.67
23 21 13 23-1279 EA 1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel .....	61.07	27.73
23 21 13 23-1280 EA 2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel .....	81.34	35.25
23 21 13 23-1281 EA 1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel .....	97.29	17.38
23 21 13 23-1282 EA 3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel .....	100.39	19.44
23 21 13 23-1283 EA 1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel .....	117.83	21.67
23 21 13 23-1284 EA 1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel .....	170.99	27.73
23 21 13 23-1285 EA 2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel .....	247.72	35.25
<b>23 21 13 23-1286 Caps, Screwed Carbon Steel (23 21 13 23-1182)</b>		
23 21 13 23-1287 EA 1/4" Cap, 3,000 LB, Screwed Carbon Steel .....	13.02	6.64
23 21 13 23-1288 EA 1/2" Cap, 3,000 LB, Screwed Carbon Steel .....	15.00	7.71
23 21 13 23-1289 EA 3/4" Cap, 3,000 LB, Screwed Carbon Steel .....	17.71	8.69
23 21 13 23-1290 EA 1" Cap, 3,000 LB, Screwed Carbon Steel .....	21.71	9.67
23 21 13 23-1291 EA 1-1/2" Cap, 3,000 LB, Screwed Carbon Steel .....	29.98	12.30
23 21 13 23-1292 EA 2" Cap, 3,000 LB, Screwed Carbon Steel .....	41.29	15.72
23 21 13 23-1293 EA 1/4" Cap, 6,000 LB, Screwed Carbon Steel .....	19.21	6.64
23 21 13 23-1294 EA 1/2" Cap, 6,000 LB, Screwed Carbon Steel .....	18.96	7.71
23 21 13 23-1295 EA 3/4" Cap, 6,000 LB, Screwed Carbon Steel .....	24.17	8.69
23 21 13 23-1296 EA 1" Cap, 6,000 LB, Screwed Carbon Steel .....	26.42	9.67
23 21 13 23-1297 EA 1-1/2" Cap, 6,000 LB, Screwed Carbon Steel .....	49.19	12.30
23 21 13 23-1298 EA 2" Cap, 6,000 LB, Screwed Carbon Steel .....	60.01	15.72
<b>23 21 13 23-1299 Nipples, Screwed Carbon Steel (23 21 13 23-1182)</b>		
23 21 13 23-1300 EA 1/4" Nipple, 2" Long, Screwed Carbon Steel .....	16.06	8.88
23 21 13 23-1301 EA 1/2" Nipple, 2" Long, Screwed Carbon Steel .....	16.30	9.27
23 21 13 23-1302 EA 3/4" Nipple, 2" Long, Screwed Carbon Steel .....	16.14	9.27
23 21 13 23-1303 EA 1" Nipple, 2" Long, Screwed Carbon Steel .....	18.15	10.06
23 21 13 23-1304 EA 1-1/2" Nipple, 2" Long, Screwed Carbon Steel .....	20.99	10.84
23 21 13 23-1305 EA 2" Nipple, 2" Long, Screwed Carbon Steel .....	24.56	13.96
23 21 13 23-1306 EA 1/4" Nipple, 4" Long, Screwed Carbon Steel .....	17.24	8.88
23 21 13 23-1307 EA 1/2" Nipple, 4" Long, Screwed Carbon Steel .....	17.23	9.27
23 21 13 23-1308 EA 3/4" Nipple, 4" Long, Screwed Carbon Steel .....	17.20	9.27
23 21 13 23-1309 EA 1" Nipple, 4" Long, Screwed Carbon Steel .....	19.58	10.06
23 21 13 23-1310 EA 1-1/2" Nipple, 4" Long, Screwed Carbon Steel .....	23.54	10.84
23 21 13 23-1311 EA 2" Nipple, 4" Long, Screwed Carbon Steel .....	28.29	13.96
23 21 13 23-1312 EA 1/4" Nipple, 6" Long, Screwed Carbon Steel .....	20.06	8.88
23 21 13 23-1313 EA 1/2" Nipple, 6" Long, Screwed Carbon Steel .....	18.72	9.27
23 21 13 23-1314 EA 3/4" Nipple, 6" Long, Screwed Carbon Steel .....	18.86	9.27
23 21 13 23-1315 EA 1" Nipple, 6" Long, Screwed Carbon Steel .....	21.63	10.06
23 21 13 23-1316 EA 1-1/2" Nipple, 6" Long, Screwed Carbon Steel .....	27.02	10.84
23 21 13 23-1317 EA 2" Nipple, 6" Long, Screwed Carbon Steel .....	31.37	13.96
<b>23 21 13 23-1318 Unions, Screwed Carbon Steel (23 21 13 23-1182)</b>		
23 21 13 23-1319 EA 1/4" Union, 3,000 LB, Screwed Carbon Steel .....	33.47	21.58
23 21 13 23-1320 EA 1/2" Union, 3,000 LB, Screwed Carbon Steel .....	34.57	21.67
23 21 13 23-1321 EA 3/4" Union, 3,000 LB, Screwed Carbon Steel .....	39.62	25.09
23 21 13 23-1322 EA 1" Union, 3,000 LB, Screwed Carbon Steel .....	47.41	29.59
23 21 13 23-1323 EA 1-1/2" Union, 3,000 LB, Screwed Carbon Steel .....	68.09	41.99
23 21 13 23-1324 EA 2" Union, 3,000 LB, Screwed Carbon Steel .....	84.56	52.14
23 21 13 23-1325 EA 1/4" Union, 6,000 LB, Screwed Carbon Steel .....	60.84	21.58
23 21 13 23-1326 EA 1/2" Union, 6,000 LB, Screwed Carbon Steel .....	67.66	21.67
23 21 13 23-1327 EA 3/4" Union, 6,000 LB, Screwed Carbon Steel .....	79.70	25.09
23 21 13 23-1328 EA 1" Union, 6,000 LB, Screwed Carbon Steel .....	96.80	29.59
23 21 13 23-1329 EA 1-1/2" Union, 6,000 LB, Screwed Carbon Steel .....	169.07	41.99
23 21 13 23-1330 EA 2" Union, 6,000 LB, Screwed Carbon Steel .....	208.84	52.14
<b>23 21 13 23-1331 Weld Neck Flanges, Screwed Carbon Steel (23 21 13 23-1182)</b>		
23 21 13 23-1332 EA 1/2" Flange, 150 LB, Screwed Carbon Steel .....	75.06	40.32
23 21 13 23-1333 EA 3/4" Flange, 150 LB, Screwed Carbon Steel .....	78.46	42.28
23 21 13 23-1334 EA 1" Flange, 150 LB, Screwed Carbon Steel .....	81.21	44.13
23 21 13 23-1335 EA 1-1/2" Flange, 150 LB, Screwed Carbon Steel .....	90.08	49.70
23 21 13 23-1336 EA 2" Flange, 150 LB, Screwed Carbon Steel .....	93.33	51.84
23 21 13 23-1337 EA 1/2" Flange, 300 LB, Screwed Carbon Steel .....	75.99	40.32
For Ring Type Joint, Add	15.48	
For Blind Flange, Deduct	-27.30	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1338 EA 3/4" Flange, 300 LB, Screwed Carbon Steel .....	79.44	42.28
<i>For Ring Type Joint, Add</i>	16.00	
<i>For Blind Flange, Deduct</i>	-28.58	
23 21 13 23-1339 EA 1" Flange, 300 LB, Screwed Carbon Steel .....	82.70	44.13
<i>For Ring Type Joint, Add</i>	16.51	
<i>For Blind Flange, Deduct</i>	-29.78	
23 21 13 23-1340 EA 1-1/2" Flange, 300 LB, Screwed Carbon Steel .....	93.64	49.70
<i>For Ring Type Joint, Add</i>	19.10	
<i>For Blind Flange, Deduct</i>	-33.64	
23 21 13 23-1341 EA 2" Flange, 300 LB, Screwed Carbon Steel .....	96.89	51.84
<i>For Ring Type Joint, Add</i>	19.10	
<i>For Blind Flange, Deduct</i>	-34.94	
23 21 13 23-1342 EA 1/2" Flange, 600 LB, Screwed Carbon Steel .....	82.08	40.32
<i>For Ring Type Joint, Add</i>	21.57	
<i>For Blind Flange, Deduct</i>	-28.52	
23 21 13 23-1343 EA 3/4" Flange, 600 LB, Screwed Carbon Steel .....	85.01	42.28
<i>For Ring Type Joint, Add</i>	21.57	
<i>For Blind Flange, Deduct</i>	-29.69	
23 21 13 23-1344 EA 1" Flange, 600 LB, Screwed Carbon Steel .....	88.74	44.13
<i>For Ring Type Joint, Add</i>	22.55	
<i>For Blind Flange, Deduct</i>	-30.99	
23 21 13 23-1345 EA 1-1/2" Flange, 600 LB, Screwed Carbon Steel .....	101.13	49.70
<i>For Ring Type Joint, Add</i>	26.59	
<i>For Blind Flange, Deduct</i>	-35.13	
23 21 13 23-1346 EA 2" Flange, 600 LB, Screwed Carbon Steel .....	102.54	51.84
<i>For Ring Type Joint, Add</i>	24.75	
<i>For Blind Flange, Deduct</i>	-36.07	
<b>23 21 13 23-1347 Square Head Plugs, Screwed Carbon Steel</b> <small>(23 21 13 23-1182)</small>		
23 21 13 23-1348 EA 1/4" Square Head Plug, Screwed Carbon Steel .....	5.46	2.73
23 21 13 23-1349 EA 1/2" Square Head Plug, Screwed Carbon Steel .....	6.53	3.23
23 21 13 23-1350 EA 3/4" Square Head Plug, Screwed Carbon Steel .....	7.61	3.71
23 21 13 23-1351 EA 1" Square Head Plug, Screwed Carbon Steel .....	11.08	5.46
23 21 13 23-1352 EA 1-1/2" Square Head Plug, Screwed Carbon Steel .....	14.68	5.46
23 21 13 23-1353 EA 2" Square Head Plug, Screwed Carbon Steel .....	21.49	7.13
<b>23 21 13 23-1354 Hex Head Plugs, Screwed Carbon Steel</b> <small>(23 21 13 23-1182)</small>		
23 21 13 23-1355 EA 1/4" Hex Head Plug, Screwed Carbon Steel .....	5.11	2.73
23 21 13 23-1356 EA 1/2" Hex Head Plug, Screwed Carbon Steel .....	6.20	3.23
23 21 13 23-1357 EA 3/4" Hex Head Plug, Screwed Carbon Steel .....	7.39	3.71
23 21 13 23-1358 EA 1" Hex Head Plug, Screwed Carbon Steel .....	10.89	5.46
23 21 13 23-1359 EA 1-1/2" Hex Head Plug, Screwed Carbon Steel .....	13.88	5.46
23 21 13 23-1360 EA 2" Hex Head Plug, Screwed Carbon Steel .....	22.05	7.13
<b>23 21 13 23-1361 Round Head Plugs, Screwed Carbon Steel</b> <small>(23 21 13 23-1182)</small>		
23 21 13 23-1362 EA 1/4" Round Head Plug, Screwed Carbon Steel .....	6.27	2.73
23 21 13 23-1363 EA 1/2" Round Head Plug, Screwed Carbon Steel .....	6.58	3.23
23 21 13 23-1364 EA 3/4" Round Head Plug, Screwed Carbon Steel .....	7.46	3.71
23 21 13 23-1365 EA 1" Round Head Plug, Screwed Carbon Steel .....	11.21	5.46
23 21 13 23-1366 EA 1-1/2" Round Head Plug, Screwed Carbon Steel .....	15.67	5.46
23 21 13 23-1367 EA 2" Round Head Plug, Screwed Carbon Steel .....	21.83	7.13
<b>23 21 13 23-1368 Hexagon Bushings, Screwed Carbon Steel</b> <small>(23 21 13 23-1182)</small>		
23 21 13 23-1369 EA 1/4" Hex Bushing, Screwed Carbon Steel .....	5.37	2.73
23 21 13 23-1370 EA 1/2" Hex Bushing, Screwed Carbon Steel .....	6.18	3.23
23 21 13 23-1371 EA 3/4" Hex Bushing, Screwed Carbon Steel .....	7.30	3.71
23 21 13 23-1372 EA 1" Hex Bushing, Screwed Carbon Steel .....	11.15	5.46
23 21 13 23-1373 EA 1-1/2" Hex Bushing, Screwed Carbon Steel .....	13.82	5.46
23 21 13 23-1374 EA 2" Hex Bushing, Screwed Carbon Steel .....	21.22	7.13
<b>23 21 13 23-1375 90 Degree Street Elbows, Screwed Carbon Steel</b> <small>(23 21 13 23-1182)</small>		
23 21 13 23-1376 EA 1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	35.24	14.84
23 21 13 23-1377 EA 1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	40.00	17.38
23 21 13 23-1378 EA 3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	47.09	19.44
23 21 13 23-1379 EA 1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	55.51	21.67
23 21 13 23-1380 EA 1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	90.69	27.73
23 21 13 23-1381 EA 2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	122.97	35.25
23 21 13 23-1382 EA 1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	58.70	17.38
23 21 13 23-1383 EA 3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	85.12	19.44
23 21 13 23-1384 EA 1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	119.15	21.67
23 21 13 23-1385 EA 1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	265.76	27.73
<b>23 21 13 23-1386 Screwed Carbon Steel Laterals</b> <small>(23 21 13 23-1182)</small>		
23 21 13 23-1387 EA 1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	161.39	21.67
23 21 13 23-1388 EA 3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	194.40	25.09

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1389 EA 1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	238.20	29.59
23 21 13 23-1390 EA 1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	305.00	41.99
23 21 13 23-1391 EA 2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	380.63	52.14
23 21 13 23-1392 EA 1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	205.09	21.67
23 21 13 23-1393 EA 3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel .....	259.38	25.09
23 21 13 23-1394 EA 1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel .....	307.69	29.59
23 21 13 23-1395 EA 1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel .....	432.74	41.99
<b>23 21 13 23-1396 Grooved-Joint Pipe (23 21 13 23)</b>		
Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
<b>23 21 13 23-1397 Schedule 10 Black Grooved Pipe (23 21 13 23-1396)</b>		
23 21 13 23-1398 LF 2" Black Schedule 10 Grooved Pipe .....	23.04	12.40
23 21 13 23-1399 LF 2-1/2" Black Schedule 10 Grooved Pipe .....	31.31	16.99
23 21 13 23-1400 LF 3" Black Schedule 10 Grooved Pipe .....	34.99	18.84
23 21 13 23-1401 LF 3-1/2" Black Schedule 10 Grooved Pipe .....	37.94	19.53
23 21 13 23-1402 LF 4" Black Schedule 10 Grooved Pipe .....	40.58	21.19
23 21 13 23-1403 LF 5" Black Schedule 10 Grooved Pipe .....	54.41	25.97
23 21 13 23-1404 LF 6" Black Schedule 10 Grooved Pipe .....	72.65	36.91
23 21 13 23-1405 LF 8" Black Schedule 10 Grooved Pipe .....	92.71	41.40
23 21 13 23-1406 LF 10" Black Schedule 10 Grooved Pipe .....	114.79	49.90
23 21 13 23-1407 LF 12" Black Schedule 10 Grooved Pipe .....	131.68	56.53
<b>23 21 13 23-1408 Schedule 40 Black Grooved Pipe (23 21 13 23-1396)</b>		
23 21 13 23-1409 LF 3/4" Black Schedule 40 Grooved Pipe .....	13.88	7.52
23 21 13 23-1410 LF 1" Black Schedule 40 Grooved Pipe .....	15.65	8.50
23 21 13 23-1411 LF 1-1/4" Black Schedule 40 Grooved Pipe .....	17.49	9.17
23 21 13 23-1412 LF 1-1/2" Black Schedule 40 Grooved Pipe .....	19.89	10.44
23 21 13 23-1413 LF 2" Black Schedule 40 Grooved Pipe .....	25.19	13.28
23 21 13 23-1414 LF 2-1/2" Black Schedule 40 Grooved Pipe .....	34.84	18.17
23 21 13 23-1415 LF 3" Black Schedule 40 Grooved Pipe .....	40.59	20.70
23 21 13 23-1416 LF 4" Black Schedule 40 Grooved Pipe .....	48.04	23.04
23 21 13 23-1417 LF 5" Black Schedule 40 Grooved Pipe .....	63.45	28.02
23 21 13 23-1418 LF 6" Black Schedule 40 Grooved Pipe .....	87.29	40.42
23 21 13 23-1419 LF 8" Black Schedule 40 Grooved Pipe .....	110.22	45.80
23 21 13 23-1420 LF 10" Black Schedule 40 Grooved Pipe .....	145.76	54.68
23 21 13 23-1421 LF 12" Black Schedule 40 Grooved Pipe .....	170.50	62.78
23 21 13 23-1422 LF 14" Black Schedule 40 Grooved Pipe .....	226.44	84.85
23 21 13 23-1423 LF 16" Black Schedule 40 Grooved Pipe .....	263.71	99.79
23 21 13 23-1424 LF 18" Black Schedule 40 Grooved Pipe .....	325.39	121.17
23 21 13 23-1425 LF 20" Black Schedule 40 Grooved Pipe .....	376.41	141.29
23 21 13 23-1426 LF 24" Black Schedule 40 Grooved Pipe .....	481.04	169.61
<b>23 21 13 23-1427 Schedule 80 Black Grooved Pipe (23 21 13 23-1396)</b>		
23 21 13 23-1428 LF 3/4" Black Schedule 80 Grooved Pipe .....	15.18	8.21
23 21 13 23-1429 LF 1" Black Schedule 80 Grooved Pipe .....	16.58	8.69
23 21 13 23-1430 LF 1-1/4" Black Schedule 80 Grooved Pipe .....	19.07	9.67
23 21 13 23-1431 LF 1-1/2" Black Schedule 80 Grooved Pipe .....	21.59	10.84
23 21 13 23-1432 LF 2" Black Schedule 80 Grooved Pipe .....	27.90	13.96
23 21 13 23-1433 LF 2-1/2" Black Schedule 80 Grooved Pipe .....	38.91	19.23
23 21 13 23-1434 LF 3" Black Schedule 80 Grooved Pipe .....	45.46	21.58
23 21 13 23-1435 LF 4" Black Schedule 80 Grooved Pipe .....	54.51	23.53
23 21 13 23-1436 LF 5" Black Schedule 80 Grooved Pipe .....	78.62	29.59
23 21 13 23-1437 LF 6" Black Schedule 80 Grooved Pipe .....	105.14	42.38
23 21 13 23-1438 LF 8" Black Schedule 80 Grooved Pipe .....	146.40	48.43
23 21 13 23-1439 LF 10" Black Schedule 80 Grooved Pipe .....	180.88	58.49
23 21 13 23-1440 LF 12" Black Schedule 80 Grooved Pipe .....	197.13	70.70
<b>23 21 13 23-1441 Schedule 40 Galvanized Grooved Pipe (23 21 13 23-1396)</b>		
23 21 13 23-1442 LF 3/4" Galvanized Schedule 40 Grooved Pipe .....	16.63	7.52
23 21 13 23-1443 LF 1" Galvanized Schedule 40 Grooved Pipe .....	19.27	8.50
23 21 13 23-1444 LF 1-1/4" Galvanized Schedule 40 Grooved Pipe .....	21.47	9.17
23 21 13 23-1445 LF 1-1/2" Galvanized Schedule 40 Grooved Pipe .....	24.44	10.44
23 21 13 23-1446 LF 2" Galvanized Schedule 40 Grooved Pipe .....	30.91	13.28
23 21 13 23-1447 LF 2-1/2" Galvanized Schedule 40 Grooved Pipe .....	43.28	18.17
23 21 13 23-1448 LF 3" Galvanized Schedule 40 Grooved Pipe .....	51.36	20.70
23 21 13 23-1449 LF 4" Galvanized Schedule 40 Grooved Pipe .....	63.33	23.04
23 21 13 23-1450 LF 5" Galvanized Schedule 40 Grooved Pipe .....	88.88	28.02
23 21 13 23-1451 LF 6" Galvanized Schedule 40 Grooved Pipe .....	119.90	40.42
23 21 13 23-1452 LF 8" Galvanized Schedule 40 Grooved Pipe .....	159.06	45.80
23 21 13 23-1453 LF 10" Galvanized Schedule 40 Grooved Pipe .....	223.99	54.68
23 21 13 23-1454 LF 12" Galvanized Schedule 40 Grooved Pipe .....	264.52	62.78
<b>23 21 13 23-1455 Schedule 80 Galvanized Grooved Pipe (23 21 13 23-1396)</b>		
23 21 13 23-1456 LF 3/4" Galvanized Schedule 80 Grooved Pipe .....	17.86	8.21
23 21 13 23-1457 LF 1" Galvanized Schedule 80 Grooved Pipe .....	23.23	8.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1458 LF 1-1/4" Galvanized Schedule 80 Grooved Pipe.....	23.52	9.67
23 21 13 23-1459 LF 1-1/2" Galvanized Schedule 80 Grooved Pipe.....	30.72	11.52
23 21 13 23-1460 LF 2" Galvanized Schedule 80 Grooved Pipe.....	34.77	13.96
23 21 13 23-1461 LF 2-1/2" Galvanized Schedule 80 Grooved Pipe.....	49.21	19.23
23 21 13 23-1462 LF 3" Galvanized Schedule 80 Grooved Pipe.....	59.15	21.58
23 21 13 23-1463 LF 4" Galvanized Schedule 80 Grooved Pipe.....	74.36	23.53
23 21 13 23-1464 LF 5" Galvanized Schedule 80 Grooved Pipe.....	111.83	29.59
23 21 13 23-1465 LF 6" Galvanized Schedule 80 Grooved Pipe.....	145.06	42.38
23 21 13 23-1466 LF 8" Galvanized Schedule 80 Grooved Pipe.....	216.51	48.43
23 21 13 23-1467 LF 10" Galvanized Schedule 80 Grooved Pipe.....	257.70	58.49
23 21 13 23-1468 LF 12" Galvanized Schedule 80 Grooved Pipe.....	283.01	70.70
<b>23 21 13 23-1469 Painted Grooved-Joint Pipe Fittings (23 21 13 23)</b>		
Note: Couplings are not included with fittings.		
<b>23 21 13 23-1470 Grooved Elbows (23 21 13 23-1469)</b>		
<b>23 21 13 23-1471 90 Degree Grooved Elbows (23 21 13 23-1470)</b>		
Note: Victaulic No. 10		
23 21 13 23-1472 EA 3/4", Ductile Iron, Grooved 90 Degree Elbow .....	78.76	10.65
For Galvanized Fittings, Add	20.72	
23 21 13 23-1473 EA 1", Ductile Iron, Grooved 90 Degree Elbow .....	78.76	10.65
For Galvanized Fittings, Add	20.72	
23 21 13 23-1474 EA 1-1/4", Ductile Iron, Grooved 90 Degree Elbow .....	82.74	13.28
For Galvanized Fittings, Add	20.72	
23 21 13 23-1475 EA 1-1/2", Ductile Iron, Grooved 90 Degree Elbow .....	86.97	16.11
For Galvanized Fittings, Add	20.72	
23 21 13 23-1476 EA 2", Ductile Iron, Grooved 90 Degree Elbow .....	94.71	21.29
For Galvanized Fittings, Add	20.72	
23 21 13 23-1477 EA 2-1/2", Ductile Iron, Grooved 90 Degree Elbow .....	101.67	25.97
For Galvanized Fittings, Add	20.72	
23 21 13 23-1478 EA 3", Ductile Iron, Grooved 90 Degree Elbow .....	158.68	31.44
For Galvanized Fittings, Add	36.81	
23 21 13 23-1479 EA 4", Ductile Iron, Grooved 90 Degree Elbow .....	183.70	41.50
For Galvanized Fittings, Add	40.10	
23 21 13 23-1480 EA 5", Ductile Iron, Grooved 90 Degree Elbow .....	373.51	51.84
For Galvanized Fittings, Add	97.60	
23 21 13 23-1481 EA 6", Ductile Iron, Grooved 90 Degree Elbow .....	445.44	67.86
For Galvanized Fittings, Add	113.43	
23 21 13 23-1482 EA 8", Ductile Iron, Grooved 90 Degree Elbow .....	844.52	80.75
For Galvanized Fittings, Add	238.74	
23 21 13 23-1483 EA 10", Ductile Iron, Grooved 90 Degree Elbow .....	1,268.39	94.22
For Galvanized Fittings, Add	371.95	
23 21 13 23-1484 EA 12", Ductile Iron, Grooved 90 Degree Elbow .....	1,976.13	113.06
For Galvanized Fittings, Add	596.18	
23 21 13 23-1485 EA 14", Steel, Grooved 90 Degree Elbow .....	3,948.49	127.62
For Galvanized Fittings, Add	1,239.85	
23 21 13 23-1486 EA 16", Steel, Grooved 90 Degree Elbow .....	5,128.08	141.29
For Galvanized Fittings, Add	1,622.35	
23 21 13 23-1487 EA 18", Steel, Grooved 90 Degree Elbow .....	6,466.60	154.37
For Galvanized Fittings, Add	2,057.62	
23 21 13 23-1488 EA 20", Steel, Grooved 90 Degree Elbow .....	8,434.42	160.52
For Galvanized Fittings, Add	2,703.92	
23 21 13 23-1489 EA 24", Steel, Grooved 90 Degree Elbow .....	12,075.42	189.82
For Galvanized Fittings, Add	3,891.00	
<b>23 21 13 23-1490 45 Degree Grooved Elbows (23 21 13 23-1470)</b>		
Note: Victaulic No. 11		
23 21 13 23-1491 EA 3/4", Ductile Iron, Grooved 45 Degree Elbow .....	78.71	10.65
For Galvanized Fittings, Add	15.06	
23 21 13 23-1492 EA 1", Ductile Iron, Grooved 45 Degree Elbow .....	78.71	10.65
For Galvanized Fittings, Add	15.06	
23 21 13 23-1493 EA 1-1/4", Ductile Iron, Grooved 45 Degree Elbow .....	82.69	13.28
For Galvanized Fittings, Add	15.06	
23 21 13 23-1494 EA 1-1/2", Ductile Iron, Grooved 45 Degree Elbow .....	86.92	16.11
For Galvanized Fittings, Add	15.06	
23 21 13 23-1495 EA 2", Ductile Iron, Grooved 45 Degree Elbow .....	94.66	21.29
For Galvanized Fittings, Add	15.06	
23 21 13 23-1496 EA 2-1/2", Ductile Iron, Grooved 45 Degree Elbow .....	101.62	25.97
For Galvanized Fittings, Add	15.06	
23 21 13 23-1497 EA 3", Ductile Iron, Grooved 45 Degree Elbow .....	158.63	31.44
For Galvanized Fittings, Add	26.76	
23 21 13 23-1498 EA 4", Ductile Iron, Grooved 45 Degree Elbow .....	183.70	41.50
For Galvanized Fittings, Add	29.16	
23 21 13 23-1499 EA 5", Ductile Iron, Grooved 45 Degree Elbow .....	373.51	51.84
For Galvanized Fittings, Add	70.98	
23 21 13 23-1500 EA 6", Ductile Iron, Grooved 45 Degree Elbow .....	445.44	67.86
For Galvanized Fittings, Add	82.50	
23 21 13 23-1501 EA 8", Ductile Iron, Grooved 45 Degree Elbow .....	844.52	80.75
For Galvanized Fittings, Add	173.63	
23 21 13 23-1502 EA 10", Ductile Iron, Grooved 45 Degree Elbow .....	1,268.39	94.22
For Galvanized Fittings, Add	270.51	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1503 EA 12", Ductile Iron, Grooved 45 Degree Elbow .....	1,976.13	113.06
For Galvanized Fittings, Add	433.59	
23 21 13 23-1504 EA 14", Steel, Grooved 45 Degree Elbow .....	3,948.49	127.62
For Galvanized Fittings, Add	901.71	
23 21 13 23-1505 EA 16", Steel, Grooved 45 Degree Elbow .....	5,128.08	141.29
For Galvanized Fittings, Add	1,179.89	
23 21 13 23-1506 EA 18", Steel, Grooved 45 Degree Elbow .....	6,466.60	154.37
For Galvanized Fittings, Add	1,496.45	
23 21 13 23-1507 EA 20", Steel, Grooved 45 Degree Elbow .....	8,434.85	160.82
For Galvanized Fittings, Add	1,966.49	
23 21 13 23-1508 EA 24", Steel, Grooved 45 Degree Elbow .....	12,075.42	189.82
For Galvanized Fittings, Add	2,829.82	
<b>23 21 13 23-1509 22-1/2 Degree Grooved Elbows (23 21 13 23-1470)</b>		
Note: Victaulic No. 12		
23 21 13 23-1510 EA 1", Ductile Iron, Grooved 22-1/2 Degree Elbow .....	82.84	10.65
For Galvanized Fittings, Add	16.05	
23 21 13 23-1511 EA 1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow .....	86.82	13.28
For Galvanized Fittings, Add	16.05	
23 21 13 23-1512 EA 1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow .....	91.05	16.11
For Galvanized Fittings, Add	16.05	
23 21 13 23-1513 EA 2", Ductile Iron, Grooved 22-1/2 Degree Elbow .....	98.79	21.29
For Galvanized Fittings, Add	16.05	
23 21 13 23-1514 EA 2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow .....	105.75	25.97
For Galvanized Fittings, Add	16.05	
23 21 13 23-1515 EA 3", Ductile Iron, Grooved 22-1/2 Degree Elbow .....	144.95	31.44
For Galvanized Fittings, Add	23.48	
23 21 13 23-1516 EA 4", Ductile Iron, Grooved 22-1/2 Degree Elbow .....	193.36	41.50
For Galvanized Fittings, Add	31.48	
23 21 13 23-1517 EA 5", Ductile Iron, Grooved 22-1/2 Degree Elbow .....	484.52	51.84
For Galvanized Fittings, Add	97.63	
23 21 13 23-1518 EA 6", Ductile Iron, Grooved 22-1/2 Degree Elbow .....	473.32	67.86
For Galvanized Fittings, Add	89.19	
23 21 13 23-1519 EA 8", Ductile Iron, Grooved 22-1/2 Degree Elbow .....	898.60	80.75
For Galvanized Fittings, Add	186.60	
23 21 13 23-1520 EA 10", Steel, Grooved 22-1/2 Degree Elbow .....	1,208.71	94.22
For Galvanized Fittings, Add	256.19	
23 21 13 23-1521 EA 12", Steel, Grooved 22-1/2 Degree Elbow .....	1,612.61	113.06
For Galvanized Fittings, Add	346.34	
23 21 13 23-1522 EA 14", Steel, Grooved 22-1/2 Degree Elbow .....	1,858.19	127.62
For Galvanized Fittings, Add	400.03	
23 21 13 23-1523 EA 16", Steel, Grooved 22-1/2 Degree Elbow .....	2,210.98	141.29
For Galvanized Fittings, Add	479.79	
23 21 13 23-1524 EA 18", Steel, Grooved 22-1/2 Degree Elbow .....	2,652.48	154.37
For Galvanized Fittings, Add	581.06	
23 21 13 23-1525 EA 20", Steel, Grooved 22-1/2 Degree Elbow .....	3,103.09	160.52
For Galvanized Fittings, Add	686.97	
23 21 13 23-1526 EA 24", Steel, Grooved 22-1/2 Degree Elbow .....	4,130.90	189.82
For Galvanized Fittings, Add	923.14	
<b>23 21 13 23-1527 11-1/4 Degree Grooved Elbows (23 21 13 23-1470)</b>		
Note: Victaulic No. 13		
23 21 13 23-1528 EA 1", Ductile Iron, Grooved 11-1/4 Degree Elbow .....	82.84	10.65
For Galvanized Fittings, Add	16.05	
23 21 13 23-1529 EA 1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow .....	86.82	13.28
For Galvanized Fittings, Add	16.05	
23 21 13 23-1530 EA 1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow .....	91.05	16.11
For Galvanized Fittings, Add	16.05	
23 21 13 23-1531 EA 2", Ductile Iron, Grooved 11-1/4 Degree Elbow .....	98.79	21.29
For Galvanized Fittings, Add	16.05	
23 21 13 23-1532 EA 2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow .....	105.75	25.97
For Galvanized Fittings, Add	16.05	
23 21 13 23-1533 EA 3", Ductile Iron, Grooved 11-1/4 Degree Elbow .....	144.94	31.44
For Galvanized Fittings, Add	23.48	
23 21 13 23-1534 EA 4", Ductile Iron, Grooved 11-1/4 Degree Elbow .....	193.35	41.50
For Galvanized Fittings, Add	31.48	
23 21 13 23-1535 EA 5", Ductile Iron, Grooved 11-1/4 Degree Elbow .....	484.50	51.84
For Galvanized Fittings, Add	97.62	
23 21 13 23-1536 EA 6", Ductile Iron, Grooved 11-1/4 Degree Elbow .....	473.30	67.86
For Galvanized Fittings, Add	89.18	
23 21 13 23-1537 EA 8", Ductile Iron, Grooved 11-1/4 Degree Elbow .....	898.56	80.75
For Galvanized Fittings, Add	186.60	
23 21 13 23-1538 EA 10", Steel, Grooved 11-1/4 Degree Elbow .....	1,208.65	94.22
For Galvanized Fittings, Add	256.17	
23 21 13 23-1539 EA 12", Steel, Grooved 11-1/4 Degree Elbow .....	1,612.54	113.06
For Galvanized Fittings, Add	346.32	
23 21 13 23-1540 EA 14", Steel, Grooved 11-1/4 Degree Elbow .....	1,858.10	127.62
For Galvanized Fittings, Add	400.01	
23 21 13 23-1541 EA 16", Steel, Grooved 11-1/4 Degree Elbow .....	2,210.91	141.38
For Galvanized Fittings, Add	479.76	
23 21 13 23-1542 EA 18", Steel, Grooved 11-1/4 Degree Elbow .....	2,652.32	154.37
For Galvanized Fittings, Add	581.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1543 EA 20", Steel, Grooved 11-1/4 Degree Elbow ..... <i>For Galvanized Fittings, Add</i>	3,102.93 686.93	160.52
23 21 13 23-1544 EA 24", Steel, Grooved 11-1/4 Degree Elbow ..... <i>For Galvanized Fittings, Add</i>	4,130.68 923.08	189.82
<b>23 21 13 23-1545 90 Degree Grooved Long Radius Elbows</b> (23 21 13 23-1470) Note: Victaulic No. 100		
23 21 13 23-1546 EA 2", Ductile Iron, Grooved 90 Degree Long Radius Elbow ..... <i>For Galvanized Fittings, Add</i>	175.48 34.46	21.29
23 21 13 23-1547 EA 2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow ..... <i>For Galvanized Fittings, Add</i>	455.44 99.98	25.97
23 21 13 23-1548 EA 3", Ductile Iron, Grooved 90 Degree Long Radius Elbow ..... <i>For Galvanized Fittings, Add</i>	190.69 34.46	31.44
23 21 13 23-1549 EA 4", Ductile Iron, Grooved 90 Degree Long Radius Elbow ..... <i>For Galvanized Fittings, Add</i>	277.25 51.61	41.50
23 21 13 23-1550 EA 5", Ductile Iron, Grooved 90 Degree Long Radius Elbow ..... <i>For Galvanized Fittings, Add</i>	1,180.05 264.55	51.84
23 21 13 23-1551 EA 6", Ductile Iron, Grooved 90 Degree Long Radius Elbow ..... <i>For Galvanized Fittings, Add</i>	730.84 150.99	67.86
23 21 13 23-1552 EA 8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow ..... <i>For Galvanized Fittings, Add</i>	1,630.16 362.18	80.75
23 21 13 23-1553 EA 10", Ductile Iron, Grooved 90 Degree Long Radius Elbow ..... <i>For Galvanized Fittings, Add</i>	3,270.21 750.95	94.22
23 21 13 23-1554 EA 12", Ductile Iron, Grooved 90 Degree Long Radius Elbow ..... <i>For Galvanized Fittings, Add</i>	3,900.80 895.51	113.06
<b>23 21 13 23-1555 Grooved Tees, Wyes And Crosses</b> (23 21 13 23-1469)		
<b>23 21 13 23-1556 Grooved Tees</b> (23 21 13 23-1555) Note: Victaulic No. 20		
23 21 13 23-1557 EA 3/4", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	116.95 28.79	13.96
23 21 13 23-1558 EA 1", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	120.13 28.79	16.11
23 21 13 23-1559 EA 1-1/4", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	125.51 28.79	19.73
23 21 13 23-1560 EA 1-1/2", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	132.22 28.79	24.21
23 21 13 23-1561 EA 2", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	142.89 28.79	31.34
23 21 13 23-1562 EA 2-1/2", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	153.54 28.79	38.38
23 21 13 23-1563 EA 3", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	205.09 40.33	47.16
23 21 13 23-1564 EA 4", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	297.65 61.86	61.03
23 21 13 23-1565 EA 5", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	603.36 145.13	79.77
23 21 13 23-1566 EA 6", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	708.68 167.73	99.79
23 21 13 23-1567 EA 8", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	1,402.90 366.38	121.17
23 21 13 23-1568 EA 10", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	2,392.76 654.26	141.29
23 21 13 23-1569 EA 12", Ductile Iron, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	3,307.48 915.96	169.61
23 21 13 23-1570 EA 14", Steel, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	3,613.31 999.23	188.45
23 21 13 23-1571 EA 16", Steel, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	4,526.91 1,272.83	189.52
23 21 13 23-1572 EA 18", Steel, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	5,626.78 1,594.01	209.05
23 21 13 23-1573 EA 20", Steel, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	7,931.53 2,283.96	212.37
23 21 13 23-1574 EA 24", Steel, Grooved Tee ..... <i>For Galvanized Fittings, Add</i>	12,088.56 3,509.21	260.90
<b>23 21 13 23-1575 Grooved Wyes (90 Degree True Wye)</b> (23 21 13 23-1555) Note: Victaulic No. 33		
23 21 13 23-1576 EA 1", Steel, Grooved Wye ..... <i>For Galvanized Fittings, Add</i>	429.04 64.78	16.11
23 21 13 23-1577 EA 1-1/4", Steel, Grooved Wye ..... <i>For Galvanized Fittings, Add</i>	434.42 64.78	19.73
23 21 13 23-1578 EA 1-1/2", Steel, Grooved Wye ..... <i>For Galvanized Fittings, Add</i>	441.13 64.78	24.21
23 21 13 23-1579 EA 2", Steel, Grooved Wye ..... <i>For Galvanized Fittings, Add</i>	451.80 64.78	31.34
23 21 13 23-1580 EA 2-1/2", Steel, Grooved Wye ..... <i>For Galvanized Fittings, Add</i>	462.45 64.78	38.38
23 21 13 23-1581 EA 3", Steel, Grooved Wye ..... <i>For Galvanized Fittings, Add</i>	554.64 77.44	47.16

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1582 EA 4", Steel, Grooved Wye.....	725.36	61.03
For Galvanized Fittings, Add	101.42	
23 21 13 23-1583 EA 5", Steel, Grooved Wye.....	1,028.22	79.77
For Galvanized Fittings, Add	145.38	
23 21 13 23-1584 EA 6", Steel, Grooved Wye.....	1,273.80	99.79
For Galvanized Fittings, Add	179.88	
23 21 13 23-1585 EA 8", Steel, Grooved Wye.....	1,800.80	121.17
For Galvanized Fittings, Add	259.07	
23 21 13 23-1586 EA 10", Steel, Grooved Wye.....	3,006.57	141.29
For Galvanized Fittings, Add	447.15	
23 21 13 23-1587 EA 12", Steel, Grooved Wye.....	3,341.74	169.61
For Galvanized Fittings, Add	494.00	
23 21 13 23-1588 EA 14", Steel, Grooved Wye.....	3,808.08	188.45
For Galvanized Fittings, Add	564.09	
23 21 13 23-1589 EA 16", Steel, Grooved Wye.....	4,863.08	189.32
For Galvanized Fittings, Add	732.68	
23 21 13 23-1590 EA 18", Steel, Grooved Wye.....	5,551.85	209.24
For Galvanized Fittings, Add	838.09	
23 21 13 23-1591 EA 20", Steel, Grooved Wye.....	7,914.86	211.97
For Galvanized Fittings, Add	1,215.52	
23 21 13 23-1592 EA 24", Steel, Grooved Wye.....	12,202.44	260.90
For Galvanized Fittings, Add	1,889.80	
<b>23 21 13 23-1593 Grooved Crosses (23 21 13 23-1555)</b>		
Note: Victaulic No. 35		
23 21 13 23-1594 EA 3/4", Steel, Grooved Cross .....	293.62	20.99
For Galvanized Fittings, Add	39.32	
23 21 13 23-1595 EA 1", Steel, Grooved Cross .....	298.39	24.21
For Galvanized Fittings, Add	39.32	
23 21 13 23-1596 EA 1-1/4", Steel, Grooved Cross .....	360.68	29.59
For Galvanized Fittings, Add	47.46	
23 21 13 23-1597 EA 1-1/2", Steel, Grooved Cross .....	395.29	36.32
For Galvanized Fittings, Add	51.14	
23 21 13 23-1598 EA 2", Steel, Grooved Cross .....	263.04	46.97
For Galvanized Fittings, Add	28.90	
23 21 13 23-1599 EA 2-1/2", Steel, Grooved Cross .....	279.04	57.61
For Galvanized Fittings, Add	28.90	
23 21 13 23-1600 EA 3", Steel, Grooved Cross .....	452.20	70.70
For Galvanized Fittings, Add	51.93	
23 21 13 23-1601 EA 4", Steel, Grooved Cross .....	713.47	91.49
For Galvanized Fittings, Add	86.44	
23 21 13 23-1602 EA 5", Steel, Grooved Cross .....	1,356.69	119.61
For Galvanized Fittings, Add	176.60	
23 21 13 23-1603 EA 6", Steel, Grooved Cross .....	1,739.07	149.69
For Galvanized Fittings, Add	227.21	
23 21 13 23-1604 EA 8", Steel, Grooved Cross .....	2,267.31	181.71
For Galvanized Fittings, Add	299.23	
23 21 13 23-1605 EA 10", Steel, Grooved Cross .....	3,720.20	211.97
For Galvanized Fittings, Add	510.35	
23 21 13 23-1606 EA 12", Steel, Grooved Cross .....	5,291.29	254.45
For Galvanized Fittings, Add	736.48	
23 21 13 23-1607 EA 14", Steel, Grooved Cross .....	5,510.68	282.67
For Galvanized Fittings, Add	763.03	
23 21 13 23-1608 EA 16", Steel, Grooved Cross .....	7,080.70	284.33
For Galvanized Fittings, Add	998.17	
23 21 13 23-1609 EA 18", Steel, Grooved Cross .....	8,626.87	313.53
For Galvanized Fittings, Add	1,223.52	
23 21 13 23-1610 EA 20", Steel, Grooved Cross .....	12,033.31	318.41
For Galvanized Fittings, Add	1,733.38	
23 21 13 23-1611 EA 24", Steel, Grooved Cross .....	18,426.52	391.35
For Galvanized Fittings, Add	2,675.96	
<b>23 21 13 23-1612 Grooved Reducing Tees (23 21 13 23-1555)</b>		
Note: Victaulic No. 25		
23 21 13 23-1613 EA 1", Steel, Grooved Reducing Tee .....	209.32	16.11
For Galvanized Fittings, Add	37.03	
23 21 13 23-1614 EA 1-1/4", Steel, Grooved Reducing Tee .....	220.51	19.73
For Galvanized Fittings, Add	38.19	
23 21 13 23-1615 EA 1-1/2", Steel, Grooved Reducing Tee .....	231.98	24.21
For Galvanized Fittings, Add	39.14	
23 21 13 23-1616 EA 2", Steel, Grooved Reducing Tee .....	276.07	31.34
For Galvanized Fittings, Add	45.83	
23 21 13 23-1617 EA 2-1/2", Steel, Grooved Reducing Tee .....	310.30	38.38
For Galvanized Fittings, Add	50.54	
23 21 13 23-1618 EA 3", Steel, Grooved Reducing Tee .....	347.28	47.16
For Galvanized Fittings, Add	55.32	
23 21 13 23-1619 EA 4", Steel, Grooved Reducing Tee .....	464.51	61.03
For Galvanized Fittings, Add	74.61	
23 21 13 23-1620 EA 5", Steel, Grooved Reducing Tee .....	612.18	79.77
For Galvanized Fittings, Add	98.52	
23 21 13 23-1621 EA 6", Steel, Grooved Reducing Tee .....	842.52	99.79
For Galvanized Fittings, Add	138.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1622 EA 8", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	1,324.97 228.67	121.17
23 21 13 23-1623 EA 10", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	1,897.43 337.11	141.29
23 21 13 23-1624 EA 12", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	2,740.72 497.29	169.61
23 21 13 23-1625 EA 14", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	3,106.60 564.81	188.45
23 21 13 23-1626 EA 16", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	3,952.57 733.68	189.52
23 21 13 23-1627 EA 18", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	4,804.40 898.21	209.05
23 21 13 23-1628 EA 20", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	6,741.26 1,284.60	212.27
23 21 13 23-1629 EA 24", Steel, Grooved Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	10,737.32 2,069.23	260.90
<b>23 21 13 23-1630 Grooved 45 Degree Lateral Wyes</b> <small>(23 21 13 23-1555)</small>		
<small>Note: Victaulic No. 30</small>		
23 21 13 23-1631 EA 3/4", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	404.41 69.02	13.96
23 21 13 23-1632 EA 1", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	407.59 69.02	16.11
23 21 13 23-1633 EA 1-1/4", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	412.97 69.02	19.73
23 21 13 23-1634 EA 1-1/2", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	419.68 69.02	24.21
23 21 13 23-1635 EA 2", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	430.35 69.02	31.34
23 21 13 23-1636 EA 2-1/2", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	441.00 69.02	38.38
23 21 13 23-1637 EA 3", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	401.91 59.62	47.16
23 21 13 23-1638 EA 3-1/2", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	642.67 101.02	54.38
23 21 13 23-1639 EA 4", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	744.71 117.59	61.03
23 21 13 23-1640 EA 5", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	1,074.31 171.85	79.77
23 21 13 23-1641 EA 6", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	1,687.77 276.87	99.79
23 21 13 23-1642 EA 8", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	2,397.19 398.80	121.17
23 21 13 23-1643 EA 10", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	3,339.11 562.90	141.29
23 21 13 23-1644 EA 12", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	4,035.23 680.57	169.61
23 21 13 23-1645 EA 14", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	5,801.08 993.34	188.45
23 21 13 23-1646 EA 16", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	7,178.32 1,240.95	189.52
23 21 13 23-1647 EA 18", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	8,020.18 1,387.23	209.05
23 21 13 23-1648 EA 20", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	12,008.22 2,104.19	212.27
23 21 13 23-1649 EA 24", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	18,556.53 3,269.76	260.90
<b>23 21 13 23-1650 Grooved 45 Degree Lateral Reducing Wyes</b> <small>(23 21 13 23-1555)</small>		
<small>Note: Victaulic No. 30R</small>		
23 21 13 23-1651 EA 3", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	401.91 43.06	47.16
23 21 13 23-1652 EA 4", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	744.71 84.92	61.03
23 21 13 23-1653 EA 5", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	1,074.31 124.11	79.77
23 21 13 23-1654 EA 6", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	1,383.06 160.35	99.79
23 21 13 23-1655 EA 8", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	1,962.26 231.48	121.17
23 21 13 23-1656 EA 10", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	2,392.67 283.50	141.29
23 21 13 23-1657 EA 12", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	2,904.46 344.52	169.61
23 21 13 23-1658 EA 14", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	3,251.41 385.95	188.45
23 21 13 23-1659 EA 16", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	4,121.71 498.88	189.52
23 21 13 23-1660 EA 18", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	6,205.90 766.03	209.05
23 21 13 23-1661 EA 20", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	8,943.40 1,121.27	212.27

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1662 EA 24", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	14,355.64 1,815.38	260.90
<b>23 21 13 23-1663 Mechanical-T Outlet</b> <small>(23 21 13 23-1555)</small> Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.		
23 21 13 23-1664 EA 2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet ..... <i>For Galvanized Fittings, Add</i>	134.06 15.81	35.15
23 21 13 23-1665 EA 2" x 1" Mechanical-T Outlet With Threaded Branch Outlet ..... <i>For Galvanized Fittings, Add</i>	134.06 15.81	35.15
23 21 13 23-1666 EA 2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet ..... <i>For Galvanized Fittings, Add</i>	144.02 18.28	35.15
23 21 13 23-1667 EA 2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet ..... 144.02 35.15		
23 21 13 23-1668 EA 2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet ..... 142.85 39.55		
23 21 13 23-1669 EA 2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet ..... 142.85 39.55		
23 21 13 23-1670 EA 2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet ..... 169.13 39.55		
23 21 13 23-1671 EA 3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet ..... 161.30 43.94		
23 21 13 23-1672 EA 3" x 1" Mechanical-T Outlet With Threaded Branch Outlet ..... 161.30 43.94		
23 21 13 23-1673 EA 3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet ..... 182.45 43.94		
23 21 13 23-1674 EA 3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet ..... 182.45 43.94		
23 21 13 23-1675 EA 3" x 2" Mechanical-T Outlet With Threaded Branch Outlet ..... 196.94 43.94		
23 21 13 23-1676 EA 4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet ..... 210.79 58.59		
23 21 13 23-1677 EA 4" x 1" Mechanical-T Outlet With Threaded Branch Outlet ..... 210.79 58.59		
23 21 13 23-1678 EA 4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet ..... 227.31 58.59		
23 21 13 23-1679 EA 4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 231.95 58.59		
23 21 13 23-1680 EA 4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 231.95 58.59		
23 21 13 23-1681 EA 4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 236.58 58.59		
23 21 13 23-1682 EA 4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 245.47 58.59		
23 21 13 23-1683 EA 5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 302.07 80.55		
23 21 13 23-1684 EA 5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 302.07 80.55		
23 21 13 23-1685 EA 5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 310.09 80.55		
23 21 13 23-1686 EA 5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 320.13 80.55		
23 21 13 23-1687 EA 6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 349.29 102.52		
23 21 13 23-1688 EA 6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 349.29 102.52		
23 21 13 23-1689 EA 6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 361.08 102.52		
23 21 13 23-1690 EA 6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 371.03 102.52		
23 21 13 23-1691 EA 6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 388.71 102.52		
23 21 13 23-1692 EA 8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 526.69 135.72		
23 21 13 23-1693 EA 8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 526.69 135.72		
23 21 13 23-1694 EA 8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 540.89 135.72		
23 21 13 23-1695 EA 8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet ..... 549.30 135.72		
<b>23 21 13 23-1696 Installation-Ready™ Grooved Fittings</b> <small>(23 21 13 23-1469)</small>		
<b>23 21 13 23-1697 Installation-Ready™ 90 Degree Grooved Elbows</b> <small>(23 21 13 23-1696)</small> Note: Victaulic No. 101		
23 21 13 23-1698 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow ..... 243.79 9.67 <i>For Galvanized Fittings, Add</i> 58.66		
23 21 13 23-1699 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow ..... 253.45 11.60 <i>For Galvanized Fittings, Add</i> 77.84 60.39		
23 21 13 23-1700 EA 2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow ..... 261.01 15.46 <i>For Galvanized Fittings, Add</i> 78.40 60.82		
23 21 13 23-1701 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow ..... 315.72 19.33 <i>For Galvanized Fittings, Add</i> 94.52 73.33		
<b>23 21 13 23-1702 Installation-Ready™ 45 Degree Grooved Elbows</b> <small>(23 21 13 23-1696)</small> Note: Victaulic No. 103		
23 21 13 23-1703 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow ..... 243.79 9.67 <i>For Galvanized Fittings, Add</i> 58.66 54.99		
23 21 13 23-1704 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow ..... 253.45 11.60 <i>For Galvanized Fittings, Add</i> 60.39 56.61		
23 21 13 23-1705 EA 2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow ..... 261.01 15.46 <i>For Galvanized Fittings, Add</i> 60.82 57.02		
23 21 13 23-1706 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow ..... 315.72 19.33 <i>For Galvanized Fittings, Add</i> 73.33 68.74		
<b>23 21 13 23-1707 Installation-Ready™ Grooved Tees</b> <small>(23 21 13 23-1696)</small> Note: Victaulic No. 102		
23 21 13 23-1708 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee ..... 373.36 12.89 <i>For Galvanized Fittings, Add</i> 106.15 90.58		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1709 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Galvanized Fittings, Add</i>	389.06 109.69 93.60	15.46
23 21 13 23-1710 EA 2" Ductile Iron, Grooved, Installation-Ready™ Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Galvanized Fittings, Add</i>	401.93 111.20 94.89	20.62
23 21 13 23-1711 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Galvanized Fittings, Add</i>	467.01 128.39 109.56	25.78
<b>23 21 13 23-1712 Grooved Fittings</b> <small>(23 21 13 23-1469)</small>		
<b>23 21 13 23-1713 Flanged Adapter Nipple, Grooved</b> <small>(23 21 13 23-1712)</small> Note: Victaulic No. 41 and 45		
23 21 13 23-1714 EA 1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	287.41 40.47 48.57	11.71
23 21 13 23-1715 EA 1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	289.36 40.47 48.57	12.98
23 21 13 23-1716 EA 1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	294.25 40.47 48.57	16.31
23 21 13 23-1717 EA 2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	304.52 40.47 48.57	23.14
23 21 13 23-1718 EA 2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	311.86 40.47 48.57	28.02
23 21 13 23-1719 EA 3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	395.42 51.79 62.15	33.49
23 21 13 23-1720 EA 4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	479.37 61.77 74.12	45.11
23 21 13 23-1721 EA 5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	670.22 88.26 105.91	54.58
23 21 13 23-1722 EA 6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	781.87 100.70 120.84	73.72
23 21 13 23-1723 EA 8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	1,076.23 139.00 166.80	99.79
23 21 13 23-1724 EA 10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	1,693.77 226.82 272.19	121.17
23 21 13 23-1725 EA 12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	2,279.47 310.14 372.16	141.29
23 21 13 23-1726 EA 14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	2,692.51 365.74 438.88	169.61
23 21 13 23-1727 EA 16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	4,037.47 563.24 675.89	188.45
23 21 13 23-1728 EA 18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	4,834.27 661.57 793.89	282.67
23 21 13 23-1729 EA 20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	5,105.69 689.57 827.49	339.20
23 21 13 23-1730 EA 24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	8,495.70 1,189.60 1,427.52	376.89
<b>23 21 13 23-1731 Grooved Concentric Reducers</b> <small>(23 21 13 23-1712)</small> Note: Victaulic No. 50		
23 21 13 23-1732 EA 1-1/4" x 3/4", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	305.37 12.66	11.71
23 21 13 23-1733 EA 1-1/4" x 1", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	319.33 13.23	12.40
23 21 13 23-1734 EA 1-1/2" x 3/4", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	359.72 40.83	13.38
23 21 13 23-1735 EA 1-1/2" x 1", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	93.73 8.74	13.96
23 21 13 23-1736 EA 1-1/2" x 1-1/4", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	303.53 33.84	14.65
23 21 13 23-1737 EA 2" x 3/4", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	96.66 8.74	15.92
23 21 13 23-1738 EA 2" x 1", Grooved Concentric Reducer ..... <i>For Galvanized Fittings, Add</i>	97.64 8.74	16.60

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1739	EA	2" x 1-1/4", Grooved Concentric Reducer .....	105.93	17.28
			<i>For Galvanized Fittings, Add</i>	9.62	
23 21	13 23-1740	EA	2" x 1-1/2", Grooved Concentric Reducer .....	101.60	19.23
			<i>For Galvanized Fittings, Add</i>	8.74	
23 21	13 23-1741	EA	2-1/2" x 3/4", Grooved Concentric Reducer .....	618.98	17.96
			<i>For Galvanized Fittings, Add</i>	71.16	
23 21	13 23-1742	EA	2-1/2" x 1", Grooved Concentric Reducer .....	492.33	18.65
			<i>For Galvanized Fittings, Add</i>	55.82	
23 21	13 23-1743	EA	2-1/2" x 1-1/4", Grooved Concentric Reducer .....	449.28	19.23
			<i>For Galvanized Fittings, Add</i>	50.53	
23 21	13 23-1744	EA	2-1/2" x 1-1/2", Grooved Concentric Reducer .....	104.47	21.19
			<i>For Galvanized Fittings, Add</i>	8.74	
23 21	13 23-1745	EA	2-1/2" x 2", Grooved Concentric Reducer .....	108.37	23.73
			<i>For Galvanized Fittings, Add</i>	8.74	
23 21	13 23-1746	EA	3" x 3/4", Grooved Concentric Reducer .....	627.18	20.90
			<i>For Galvanized Fittings, Add</i>	90.58	
23 21	13 23-1747	EA	3" x 1", Grooved Concentric Reducer .....	112.52	21.48
			<i>For Galvanized Fittings, Add</i>	12.21	
23 21	13 23-1748	EA	3" x 1-1/4", Grooved Concentric Reducer .....	494.71	22.17
			<i>For Galvanized Fittings, Add</i>	70.15	
23 21	13 23-1749	EA	3" x 1-1/2", Grooved Concentric Reducer .....	464.50	23.73
			<i>For Galvanized Fittings, Add</i>	65.19	
23 21	13 23-1750	EA	3" x 2", Grooved Concentric Reducer .....	103.36	26.36
			<i>For Galvanized Fittings, Add</i>	9.70	
23 21	13 23-1751	EA	3" x 2-1/2", Grooved Concentric Reducer .....	135.05	31.44
			<i>For Galvanized Fittings, Add</i>	13.37	
23 21	13 23-1752	EA	3-1/2" x 3", Grooved Concentric Reducer .....	144.46	33.88
			<i>For Galvanized Fittings, Add</i>	14.24	
23 21	13 23-1753	EA	4" x 1", Grooved Concentric Reducer .....	136.62	26.65
			<i>For Galvanized Fittings, Add</i>	16.56	
23 21	13 23-1754	EA	4" x 1-1/4", Grooved Concentric Reducer .....	804.49	27.34
			<i>For Galvanized Fittings, Add</i>	130.94	
23 21	13 23-1755	EA	4" x 1-1/2", Grooved Concentric Reducer .....	627.14	29.00
			<i>For Galvanized Fittings, Add</i>	100.10	
23 21	13 23-1756	EA	4" x 2", Grooved Concentric Reducer .....	132.31	31.63
			<i>For Galvanized Fittings, Add</i>	14.57	
23 21	13 23-1757	EA	4" x 2-1/2", Grooved Concentric Reducer .....	157.25	33.88
			<i>For Galvanized Fittings, Add</i>	18.26	
23 21	13 23-1758	EA	4" x 3", Grooved Concentric Reducer .....	161.16	36.52
			<i>For Galvanized Fittings, Add</i>	18.26	
23 21	13 23-1759	EA	4" x 3-1/2", Grooved Concentric Reducer .....	165.07	39.05
			<i>For Galvanized Fittings, Add</i>	18.26	
23 21	13 23-1760	EA	5" x 2", Grooved Concentric Reducer .....	1,129.62	36.81
			<i>For Galvanized Fittings, Add</i>	184.27	
23 21	13 23-1761	EA	5" x 2-1/2", Grooved Concentric Reducer .....	892.23	39.05
			<i>For Galvanized Fittings, Add</i>	142.97	
23 21	13 23-1762	EA	5" x 3", Grooved Concentric Reducer .....	187.13	41.69
			<i>For Galvanized Fittings, Add</i>	21.38	
23 21	13 23-1763	EA	5" x 4", Grooved Concentric Reducer .....	219.15	46.86
			<i>For Galvanized Fittings, Add</i>	25.53	
23 21	13 23-1764	EA	6" x 1", Grooved Concentric Reducer .....	257.53	39.74
			<i>For Galvanized Fittings, Add</i>	36.94	
23 21	13 23-1765	EA	6" x 1-1/2", Grooved Concentric Reducer .....	1,192.66	41.99
			<i>For Galvanized Fittings, Add</i>	210.80	
23 21	13 23-1766	EA	6" x 2", Grooved Concentric Reducer .....	264.83	44.63
			<i>For Galvanized Fittings, Add</i>	36.94	
23 21	13 23-1767	EA	6" x 2-1/2", Grooved Concentric Reducer .....	1,206.43	46.86
			<i>For Galvanized Fittings, Add</i>	212.00	
23 21	13 23-1768	EA	6" x 3", Grooved Concentric Reducer .....	272.17	49.51
			<i>For Galvanized Fittings, Add</i>	36.94	
23 21	13 23-1769	EA	6" x 4", Grooved Concentric Reducer .....	254.42	54.68
			<i>For Galvanized Fittings, Add</i>	32.17	
23 21	13 23-1770	EA	6" x 5", Grooved Concentric Reducer .....	344.88	59.95
			<i>For Galvanized Fittings, Add</i>	47.59	
23 21	13 23-1771	EA	8" x 3", Grooved Concentric Reducer .....	437.70	56.05
			<i>For Galvanized Fittings, Add</i>	66.01	
23 21	13 23-1772	EA	8" x 4", Grooved Concentric Reducer .....	445.49	61.22
			<i>For Galvanized Fittings, Add</i>	66.01	
23 21	13 23-1773	EA	8" x 5", Grooved Concentric Reducer .....	453.33	66.39
			<i>For Galvanized Fittings, Add</i>	66.01	
23 21	13 23-1774	EA	8" x 6", Grooved Concentric Reducer .....	562.38	74.20
			<i>For Galvanized Fittings, Add</i>	84.17	
23 21	13 23-1775	EA	10" x 4", Grooved Concentric Reducer .....	944.23	68.05
			<i>For Galvanized Fittings, Add</i>	157.15	
23 21	13 23-1776	EA	10" x 5", Grooved Concentric Reducer .....	1,966.32	73.24
			<i>For Galvanized Fittings, Add</i>	346.42	
23 21	13 23-1777	EA	10" x 6", Grooved Concentric Reducer .....	1,042.54	81.04
			<i>For Galvanized Fittings, Add</i>	171.85	
23 21	13 23-1778	EA	10" x 8", Grooved Concentric Reducer .....	1,052.29	87.58
			<i>For Galvanized Fittings, Add</i>	171.85	
23 21	13 23-1779	EA	12" x 4", Grooved Concentric Reducer .....	2,904.10	77.53
			<i>For Galvanized Fittings, Add</i>	418.19	
23 21	13 23-1780	EA	12" x 6", Grooved Concentric Reducer .....	1,234.14	90.51
			<i>For Galvanized Fittings, Add</i>	164.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1781 EA 12" x 8", Grooved Concentric Reducer .....	1,795.52	97.06
For Galvanized Fittings, Add	247.51	
23 21 13 23-1782 EA 12" x 10", Grooved Concentric Reducer .....	1,805.83	103.89
For Galvanized Fittings, Add	247.51	
23 21 13 23-1783 EA 14" x 6", Grooved Concentric Reducer .....	5,744.86	97.54
For Galvanized Fittings, Add	171.88	
23 21 13 23-1784 EA 14" x 8", Grooved Concentric Reducer .....	3,442.24	104.08
For Galvanized Fittings, Add	100.89	
23 21 13 23-1785 EA 14" x 10", Grooved Concentric Reducer .....	2,940.93	110.92
For Galvanized Fittings, Add	85.18	
23 21 13 23-1786 EA 14" x 12", Grooved Concentric Reducer .....	2,955.06	120.29
For Galvanized Fittings, Add	85.18	
23 21 13 23-1787 EA 16" x 8", Grooved Concentric Reducer .....	5,229.67	111.02
For Galvanized Fittings, Add	155.44	
23 21 13 23-1788 EA 16" x 10", Grooved Concentric Reducer .....	4,857.93	117.85
For Galvanized Fittings, Add	143.71	
23 21 13 23-1789 EA 16" x 12", Grooved Concentric Reducer .....	4,497.65	127.33
For Galvanized Fittings, Add	132.22	
23 21 13 23-1790 EA 16" x 14", Grooved Concentric Reducer .....	4,508.19	134.35
For Galvanized Fittings, Add	132.22	
23 21 13 23-1791 EA 18" x 10", Grooved Concentric Reducer .....	6,796.67	124.39
For Galvanized Fittings, Add	202.93	
23 21 13 23-1792 EA 18" x 12", Grooved Concentric Reducer .....	6,160.68	133.77
For Galvanized Fittings, Add	182.98	
23 21 13 23-1793 EA 18" x 14", Grooved Concentric Reducer .....	5,606.81	140.80
For Galvanized Fittings, Add	165.65	
23 21 13 23-1794 EA 18" x 16", Grooved Concentric Reducer .....	5,617.36	147.92
For Galvanized Fittings, Add	165.65	
23 21 13 23-1795 EA 20" x 10", Grooved Concentric Reducer .....	7,477.91	127.62
For Galvanized Fittings, Add	223.70	
23 21 13 23-1796 EA 20" x 12", Grooved Concentric Reducer .....	6,417.83	137.09
For Galvanized Fittings, Add	190.72	
23 21 13 23-1797 EA 20" x 14", Grooved Concentric Reducer .....	6,428.38	144.12
For Galvanized Fittings, Add	190.72	
23 21 13 23-1798 EA 20" x 16", Grooved Concentric Reducer .....	5,737.88	151.05
For Galvanized Fittings, Add	169.20	
23 21 13 23-1799 EA 20" x 18", Grooved Concentric Reducer .....	6,113.58	157.59
For Galvanized Fittings, Add	180.43	
23 21 13 23-1800 EA 24" x 10", Grooved Concentric Reducer .....	16,450.01	141.96
For Galvanized Fittings, Add	498.48	
23 21 13 23-1801 EA 24" x 12", Grooved Concentric Reducer .....	16,072.11	151.44
For Galvanized Fittings, Add	486.44	
23 21 13 23-1802 EA 24" x 14", Grooved Concentric Reducer .....	14,013.56	158.38
For Galvanized Fittings, Add	422.93	
23 21 13 23-1803 EA 24" x 16", Grooved Concentric Reducer .....	14,024.17	165.50
For Galvanized Fittings, Add	422.93	
23 21 13 23-1804 EA 24" x 18", Grooved Concentric Reducer .....	12,016.44	171.94
For Galvanized Fittings, Add	360.99	
23 21 13 23-1805 EA 24" x 20", Grooved Concentric Reducer .....	10,979.86	175.26
For Galvanized Fittings, Add	329.01	
<b>23 21 13 23-1806 Grooved Eccentric Reducers</b> <small>(23 21 13 23-1712)</small>		
Note: Victaulic No. 51		
23 21 13 23-1807 EA 1-1/2" x 3/4", Grooved Eccentric Reducer .....	371.44	13.38
For Galvanized Fittings, Add	42.24	
23 21 13 23-1808 EA 1-1/2" x 1", Grooved Eccentric Reducer .....	338.20	13.96
For Galvanized Fittings, Add	38.13	
23 21 13 23-1809 EA 1-1/2" x 1-1/4", Grooved Eccentric Reducer .....	332.26	14.65
For Galvanized Fittings, Add	37.30	
23 21 13 23-1810 EA 2" x 3/4", Grooved Eccentric Reducer .....	706.77	15.92
For Galvanized Fittings, Add	82.08	
23 21 13 23-1811 EA 2" x 1", Grooved Eccentric Reducer .....	375.17	16.60
For Galvanized Fittings, Add	42.10	
23 21 13 23-1812 EA 2" x 1-1/4", Grooved Eccentric Reducer .....	409.88	17.28
For Galvanized Fittings, Add	46.16	
23 21 13 23-1813 EA 2" x 1-1/2", Grooved Eccentric Reducer .....	350.30	19.23
For Galvanized Fittings, Add	38.64	
23 21 13 23-1814 EA 2-1/2" x 3/4", Grooved Eccentric Reducer .....	918.32	17.96
For Galvanized Fittings, Add	107.14	
23 21 13 23-1815 EA 2-1/2" x 1", Grooved Eccentric Reducer .....	858.34	18.65
For Galvanized Fittings, Add	99.82	
23 21 13 23-1816 EA 2-1/2" x 1-1/4", Grooved Eccentric Reducer .....	511.16	19.23
For Galvanized Fittings, Add	57.97	
23 21 13 23-1817 EA 2-1/2" x 1-1/2", Grooved Eccentric Reducer .....	413.90	21.19
For Galvanized Fittings, Add	45.94	
23 21 13 23-1818 EA 2-1/2" x 2", Grooved Eccentric Reducer .....	189.57	23.73
For Galvanized Fittings, Add	18.50	
23 21 13 23-1819 EA 3" x 1", Grooved Eccentric Reducer .....	922.98	21.48
For Galvanized Fittings, Add	107.07	
23 21 13 23-1820 EA 3" x 1-1/4", Grooved Eccentric Reducer .....	839.60	22.17
For Galvanized Fittings, Add	96.93	
23 21 13 23-1821 EA 3" x 1-1/2", Grooved Eccentric Reducer .....	477.67	23.73
For Galvanized Fittings, Add	53.13	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1822	EA	3" x 2", Grooved Eccentric Reducer.....	216.46	26.36
			<i>For Galvanized Fittings, Add</i>	21.26	
23 21	13 23-1823	EA	3" x 2-1/2", Grooved Eccentric Reducer .....	224.03	31.44
			<i>For Galvanized Fittings, Add</i>	21.26	
23 21	13 23-1824	EA	3-1/2" x 3", Grooved Eccentric Reducer .....	1,029.50	33.88
			<i>For Galvanized Fittings, Add</i>	117.64	
23 21	13 23-1825	EA	4" x 1", Grooved Eccentric Reducer.....	1,845.67	26.65
			<i>For Galvanized Fittings, Add</i>	309.67	
23 21	13 23-1826	EA	4" x 1-1/2", Grooved Eccentric Reducer .....	1,135.49	29.00
			<i>For Galvanized Fittings, Add</i>	187.28	
23 21	13 23-1827	EA	4" x 2", Grooved Eccentric Reducer.....	263.67	31.63
			<i>For Galvanized Fittings, Add</i>	37.10	
23 21	13 23-1828	EA	4" x 2-1/2", Grooved Eccentric Reducer .....	267.09	33.88
			<i>For Galvanized Fittings, Add</i>	37.10	
23 21	13 23-1829	EA	4" x 3", Grooved Eccentric Reducer.....	271.00	36.52
			<i>For Galvanized Fittings, Add</i>	37.10	
23 21	13 23-1830	EA	5" x 2", Grooved Eccentric Reducer.....	1,259.35	36.81
			<i>For Galvanized Fittings, Add</i>	206.52	
23 21	13 23-1831	EA	5" x 2-1/2", Grooved Eccentric Reducer .....	1,084.51	39.05
			<i>For Galvanized Fittings, Add</i>	175.94	
23 21	13 23-1832	EA	5" x 3", Grooved Eccentric Reducer.....	1,053.42	41.69
			<i>For Galvanized Fittings, Add</i>	169.94	
23 21	13 23-1833	EA	5" x 4", Grooved Eccentric Reducer.....	364.93	46.86
			<i>For Galvanized Fittings, Add</i>	50.53	
23 21	13 23-1834	EA	6" x 1", Grooved Eccentric Reducer.....	1,931.50	39.74
			<i>For Galvanized Fittings, Add</i>	349.30	
23 21	13 23-1835	EA	6" x 2", Grooved Eccentric Reducer.....	1,774.00	44.63
			<i>For Galvanized Fittings, Add</i>	318.55	
23 21	13 23-1836	EA	6" x 2-1/2", Grooved Eccentric Reducer .....	2,103.10	46.86
			<i>For Galvanized Fittings, Add</i>	379.32	
23 21	13 23-1837	EA	6" x 3", Grooved Eccentric Reducer.....	466.47	49.51
			<i>For Galvanized Fittings, Add</i>	73.20	
23 21	13 23-1838	EA	6" x 4", Grooved Eccentric Reducer.....	425.38	54.68
			<i>For Galvanized Fittings, Add</i>	64.07	
23 21	13 23-1839	EA	6" x 5", Grooved Eccentric Reducer.....	501.70	59.95
			<i>For Galvanized Fittings, Add</i>	76.85	
23 21	13 23-1840	EA	8" x 3", Grooved Eccentric Reducer.....	2,067.47	56.05
			<i>For Galvanized Fittings, Add</i>	370.12	
23 21	13 23-1841	EA	8" x 4", Grooved Eccentric Reducer.....	1,825.22	61.22
			<i>For Galvanized Fittings, Add</i>	323.46	
23 21	13 23-1842	EA	8" x 5", Grooved Eccentric Reducer.....	1,713.52	66.39
			<i>For Galvanized Fittings, Add</i>	301.16	
23 21	13 23-1843	EA	8" x 6", Grooved Eccentric Reducer.....	807.52	74.20
			<i>For Galvanized Fittings, Add</i>	129.91	
23 21	13 23-1844	EA	10" x 4", Grooved Eccentric Reducer.....	3,282.99	68.05
			<i>For Galvanized Fittings, Add</i>	593.56	
23 21	13 23-1845	EA	10" x 5", Grooved Eccentric Reducer.....	3,106.78	73.24
			<i>For Galvanized Fittings, Add</i>	559.23	
23 21	13 23-1846	EA	10" x 6", Grooved Eccentric Reducer.....	2,381.53	81.04
			<i>For Galvanized Fittings, Add</i>	421.71	
23 21	13 23-1847	EA	10" x 8", Grooved Eccentric Reducer.....	2,044.08	87.58
			<i>For Galvanized Fittings, Add</i>	356.92	
23 21	13 23-1848	EA	12" x 4", Grooved Eccentric Reducer.....	3,350.66	77.53
			<i>For Galvanized Fittings, Add</i>	488.08	
23 21	13 23-1849	EA	12" x 6", Grooved Eccentric Reducer.....	3,154.80	90.51
			<i>For Galvanized Fittings, Add</i>	455.59	
23 21	13 23-1850	EA	12" x 8", Grooved Eccentric Reducer.....	3,087.33	97.06
			<i>For Galvanized Fittings, Add</i>	443.93	
23 21	13 23-1851	EA	12" x 10", Grooved Eccentric Reducer.....	2,790.80	103.89
			<i>For Galvanized Fittings, Add</i>	397.62	
23 21	13 23-1852	EA	14" x 6", Grooved Eccentric Reducer.....	7,764.01	97.54
			<i>For Galvanized Fittings, Add</i>	233.86	
23 21	13 23-1853	EA	14" x 8", Grooved Eccentric Reducer.....	5,026.28	104.08
			<i>For Galvanized Fittings, Add</i>	149.52	
23 21	13 23-1854	EA	14" x 10", Grooved Eccentric Reducer.....	4,802.39	110.92
			<i>For Galvanized Fittings, Add</i>	142.33	
23 21	13 23-1855	EA	14" x 12", Grooved Eccentric Reducer.....	4,816.52	120.29
			<i>For Galvanized Fittings, Add</i>	142.33	
23 21	13 23-1856	EA	16" x 8", Grooved Eccentric Reducer.....	8,579.35	111.02
			<i>For Galvanized Fittings, Add</i>	258.27	
23 21	13 23-1857	EA	16" x 10", Grooved Eccentric Reducer.....	7,950.85	117.85
			<i>For Galvanized Fittings, Add</i>	238.66	
23 21	13 23-1858	EA	16" x 12", Grooved Eccentric Reducer.....	7,495.72	127.33
			<i>For Galvanized Fittings, Add</i>	224.26	
23 21	13 23-1859	EA	16" x 14", Grooved Eccentric Reducer.....	7,506.26	134.35
			<i>For Galvanized Fittings, Add</i>	224.26	
23 21	13 23-1860	EA	18" x 10", Grooved Eccentric Reducer.....	10,760.02	124.39
			<i>For Galvanized Fittings, Add</i>	324.61	
23 21	13 23-1861	EA	18" x 12", Grooved Eccentric Reducer.....	10,129.12	133.77
			<i>For Galvanized Fittings, Add</i>	304.81	
23 21	13 23-1862	EA	18" x 14", Grooved Eccentric Reducer.....	9,231.71	140.80
			<i>For Galvanized Fittings, Add</i>	276.93	
23 21	13 23-1863	EA	18" x 16", Grooved Eccentric Reducer.....	9,242.26	147.92
			<i>For Galvanized Fittings, Add</i>	276.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1864 EA 20" x 10", Grooved Eccentric Reducer .....	14,124.71	127.62
For Galvanized Fittings, Add	427.76	
23 21 13 23-1865 EA 20" x 12", Grooved Eccentric Reducer .....	10,511.86	137.09
For Galvanized Fittings, Add	316.41	
23 21 13 23-1866 EA 20" x 14", Grooved Eccentric Reducer .....	9,878.10	144.12
For Galvanized Fittings, Add	296.63	
23 21 13 23-1867 EA 20" x 16", Grooved Eccentric Reducer .....	9,732.17	151.05
For Galvanized Fittings, Add	291.83	
23 21 13 23-1868 EA 20" x 18", Grooved Eccentric Reducer .....	9,377.84	157.59
For Galvanized Fittings, Add	280.64	
23 21 13 23-1869 EA 24" x 12", Grooved Eccentric Reducer .....	20,397.45	151.44
For Galvanized Fittings, Add	619.23	
23 21 13 23-1870 EA 24" x 14", Grooved Eccentric Reducer .....	17,428.40	158.38
For Galvanized Fittings, Add	527.76	
23 21 13 23-1871 EA 24" x 16", Grooved Eccentric Reducer .....	17,439.01	165.50
For Galvanized Fittings, Add	527.76	
23 21 13 23-1872 EA 24" x 18", Grooved Eccentric Reducer .....	16,472.85	171.94
For Galvanized Fittings, Add	497.80	
23 21 13 23-1873 EA 24" x 20", Grooved Eccentric Reducer .....	15,059.87	175.26
For Galvanized Fittings, Add	454.27	
<b>23 21 13 23-1874 Close Nipple, Grooved</b> <small>(23 21 13 23-1712)</small>		
Note: Victaulic No. 143		
23 21 13 23-1875 EA 1-1/4" Ductile Iron, Grooved, Close Nipple .....	57.16	12.89
For 300 LB Rating, Add	5.64	
For Galvanized Fittings, Add	6.77	
For Galvanized Fittings, Add	9.63	
23 21 13 23-1876 EA 1-1/2" Ductile Iron, Grooved, Close Nipple .....	65.42	16.11
For 300 LB Rating, Add	6.15	
For Galvanized Fittings, Add	7.38	
For Galvanized Fittings, Add	10.50	
23 21 13 23-1877 EA 2" Ductile Iron, Grooved, Close Nipple .....	81.64	21.27
For 300 LB Rating, Add	7.41	
For Galvanized Fittings, Add	8.90	
For Galvanized Fittings, Add	12.65	
23 21 13 23-1878 EA 2-1/2" Ductile Iron, Grooved, Close Nipple .....	97.46	25.78
For 300 LB Rating, Add	8.76	
For Galvanized Fittings, Add	10.51	
For Galvanized Fittings, Add	14.95	
<b>23 21 13 23-1879 Grooved Couplings</b> <small>(23 21 13 23-1469)</small>		
<b>23 21 13 23-1880 Flexible Grooved Coupling</b> <small>(23 21 13 23-1879)</small>		
Note: Victaulic Style 77		
23 21 13 23-1881 EA 3/4" Grooved Standard Coupling .....	48.27	5.27
For Galvanized Fittings, Add	11.28	
23 21 13 23-1882 EA 1" Grooved Standard Coupling .....	48.27	5.27
For Galvanized Fittings, Add	11.28	
23 21 13 23-1883 EA 1-1/4" Grooved Standard Coupling .....	63.57	6.64
For Galvanized Fittings, Add	15.01	
23 21 13 23-1884 EA 1-1/2" Grooved Standard Coupling .....	70.49	7.91
For Galvanized Fittings, Add	16.40	
23 21 13 23-1885 EA 2" Grooved Standard Coupling .....	77.87	10.65
For Galvanized Fittings, Add	17.33	
23 21 13 23-1886 EA 2-1/2" Grooved Standard Coupling .....	93.54	12.98
For Galvanized Fittings, Add	20.75	
23 21 13 23-1887 EA 3" Grooved Standard Coupling .....	97.31	15.52
For Galvanized Fittings, Add	20.75	
23 21 13 23-1888 EA 3-1/2" Grooved Standard Coupling .....	146.66	18.17
For Galvanized Fittings, Add	33.43	
23 21 13 23-1889 EA 4" Grooved Standard Coupling .....	150.48	20.70
For Galvanized Fittings, Add	33.43	
23 21 13 23-1890 EA 5" Grooved Standard Coupling .....	221.90	25.97
For Galvanized Fittings, Add	51.25	
23 21 13 23-1891 EA 6" Grooved Standard Coupling .....	267.22	33.88
For Galvanized Fittings, Add	60.58	
23 21 13 23-1892 EA 8" Grooved Standard Coupling .....	413.22	40.42
For Galvanized Fittings, Add	98.75	
23 21 13 23-1893 EA 10" Grooved Standard Coupling .....	658.79	48.43
For Galvanized Fittings, Add	164.12	
23 21 13 23-1894 EA 12" Grooved Standard Coupling .....	746.84	53.02
For Galvanized Fittings, Add	186.86	
23 21 13 23-1895 EA 14" Grooved Standard Coupling .....	916.69	70.70
For Galvanized Fittings, Add	227.01	
23 21 13 23-1896 EA 16" Grooved Standard Coupling .....	1,190.58	84.85
For Galvanized Fittings, Add	297.76	
23 21 13 23-1897 EA 18" Grooved Standard Coupling .....	1,386.70	94.22
For Galvanized Fittings, Add	348.72	
23 21 13 23-1898 EA 20" Grooved Standard Coupling .....	2,118.20	106.04
For Galvanized Fittings, Add	548.60	
23 21 13 23-1899 EA 24" Grooved Standard Coupling .....	2,344.23	130.45
For Galvanized Fittings, Add	601.62	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 13 23-1900 Zero-Flex® Rigid Coupling</b> <small>(23 21 13 23-1879)</small>		
Note: Victaulic Style 07		
23 21 13 23-1901 EA 1" Grooved Rigid Coupling.....	64.02	5.27
For Galvanized Fittings, Add	13.73	
23 21 13 23-1902 EA 1-1/4" Grooved Rigid Coupling.....	66.02	6.64
For Galvanized Fittings, Add	13.73	
23 21 13 23-1903 EA 1-1/2" Grooved Rigid Coupling.....	67.96	7.91
For Galvanized Fittings, Add	13.73	
23 21 13 23-1904 EA 2" Grooved Rigid Coupling.....	73.43	10.65
For Galvanized Fittings, Add	14.08	
23 21 13 23-1905 EA 2-1/2" Grooved Rigid Coupling.....	85.70	12.98
For Galvanized Fittings, Add	16.23	
23 21 13 23-1906 EA 3" Grooved Rigid Coupling.....	89.47	15.52
For Galvanized Fittings, Add	16.23	
23 21 13 23-1907 EA 3-1/2" Grooved Rigid Coupling.....	104.70	18.17
For Galvanized Fittings, Add	18.97	
23 21 13 23-1908 EA 4" Grooved Rigid Coupling.....	140.82	20.70
For Galvanized Fittings, Add	26.88	
23 21 13 23-1909 EA 5" Grooved Rigid Coupling.....	181.37	25.97
For Galvanized Fittings, Add	34.91	
23 21 13 23-1910 EA 6" Grooved Rigid Coupling.....	241.33	33.88
For Galvanized Fittings, Add	46.67	
23 21 13 23-1911 EA 8" Grooved Rigid Coupling.....	360.62	40.42
For Galvanized Fittings, Add	73.52	
23 21 13 23-1912 EA 10" Grooved Rigid Coupling.....	610.35	48.43
For Galvanized Fittings, Add	131.74	
23 21 13 23-1913 EA 12" Grooved Rigid Coupling.....	681.17	53.02
For Galvanized Fittings, Add	147.42	
23 21 13 23-1914 EA 14" Grooved Rigid Coupling.....	892.07	70.70
For Galvanized Fittings, Add	192.60	
23 21 13 23-1915 EA 16" Grooved Rigid Coupling.....	1,152.42	84.85
For Galvanized Fittings, Add	251.19	
23 21 13 23-1916 EA 18" Grooved Rigid Coupling.....	1,326.49	94.22
For Galvanized Fittings, Add	290.38	
23 21 13 23-1917 EA 20" Grooved Rigid Coupling.....	1,570.01	106.04
For Galvanized Fittings, Add	345.72	
23 21 13 23-1918 EA 24" Grooved Rigid Coupling.....	2,274.05	130.45
For Galvanized Fittings, Add	509.22	
<b>23 21 13 23-1919 Large Diameter Grooved Coupling</b> <small>(23 21 13 23-1879)</small>		
Note: Victaulic Style 770		
23 21 13 23-1920 EA 28" Grooved Coupling.....	2,532.95	25.97
For Galvanized Fittings, Add	349.17	
23 21 13 23-1921 EA 30" Grooved Coupling.....	2,922.33	33.88
For Galvanized Fittings, Add	402.01	
23 21 13 23-1922 EA 32" Grooved Coupling.....	4,360.74	40.42
For Galvanized Fittings, Add	602.03	
23 21 13 23-1923 EA 36" Grooved Coupling.....	5,801.57	48.43
For Galvanized Fittings, Add	802.05	
23 21 13 23-1924 EA 42" Grooved Coupling.....	11,665.67	53.02
For Galvanized Fittings, Add	1,622.07	
<b>23 21 13 23-1925 Flexible Coupling</b> <small>(23 21 13 23-1879)</small>		
Note: Victaulic Style 75		
23 21 13 23-1926 EA 1-1/2" Grooved Flexible Coupling.....	62.85	7.91
For Galvanized Fittings, Add	13.04	
23 21 13 23-1927 EA 2" Grooved Flexible Coupling.....	68.21	10.65
For Galvanized Fittings, Add	13.38	
23 21 13 23-1928 EA 2-1/2" Grooved Flexible Coupling.....	80.00	12.98
For Galvanized Fittings, Add	15.50	
23 21 13 23-1929 EA 3" Grooved Flexible Coupling.....	93.63	15.52
For Galvanized Fittings, Add	18.03	
23 21 13 23-1930 EA 3-1/2" Grooved Flexible Coupling.....	127.03	18.17
For Galvanized Fittings, Add	25.54	
23 21 13 23-1931 EA 4" Grooved Flexible Coupling.....	130.85	20.70
For Galvanized Fittings, Add	25.54	
23 21 13 23-1932 EA 5" Grooved Flexible Coupling.....	182.79	25.97
For Galvanized Fittings, Add	36.84	
23 21 13 23-1933 EA 6" Grooved Flexible Coupling.....	224.23	33.88
For Galvanized Fittings, Add	44.38	
23 21 13 23-1934 EA 8" Grooved Flexible Coupling.....	333.07	40.42
For Galvanized Fittings, Add	69.77	
<b>23 21 13 23-1935 Installation-Ready™ Coupling</b> <small>(23 21 13 23-1879)</small>		
Note: Victaulic Style 009N		
23 21 13 23-1936 EA 1-1/4" Ductile Iron, Installation-Ready™ Coupling.....	73.76	4.93
For Galvanized Fittings, Add	16.97	
23 21 13 23-1937 EA 1-1/2" Ductile Iron, Installation-Ready™ Coupling.....	76.59	5.90
For Galvanized Fittings, Add	17.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1938 EA 2" Ductile Iron, Installation-Ready™ Coupling.....	88.54	7.92
For Galvanized Fittings, Add	19.59	
23 21 13 23-1939 EA 2-1/2" Ductile Iron, Installation-Ready™ Coupling.....	102.71	9.61
For Galvanized Fittings, Add	22.57	
23 21 13 23-1940 EA 3" Ductile Iron, Installation-Ready™ Coupling.....	117.24	11.53
For Galvanized Fittings, Add	25.54	
23 21 13 23-1941 EA 4" Ductile Iron, Installation-Ready™ Coupling.....	163.43	15.40
For Galvanized Fittings, Add	35.86	
23 21 13 23-1942 EA 5" Ductile Iron, Installation-Ready™ Coupling.....	258.33	19.26
For Galvanized Fittings, Add	58.66	
23 21 13 23-1943 EA 6" Ductile Iron, Installation-Ready™ Coupling.....	311.97	25.20
For Galvanized Fittings, Add	70.09	
23 21 13 23-1944 EA 8" Ductile Iron, Installation-Ready™ Coupling.....	502.85	29.97
For Galvanized Fittings, Add	117.11	
<b>23 21 13 23-1945 Grooved Strainers And Suction Diffusers (23 21 13 23-1469)</b>		
<b>23 21 13 23-1946 Grooved Wye Strainers (23 21 13 23-1945)</b>		
Note: Victaulic Style 732		
23 21 13 23-1947 EA 2" Grooved Wye Strainer.....	1,907.97	21.48
23 21 13 23-1948 EA 2-1/2" Grooved Wye Strainer.....	2,009.50	26.07
23 21 13 23-1949 EA 3" Grooved Wye Strainer.....	2,260.47	31.25
23 21 13 23-1950 EA 4" Grooved Wye Strainer.....	2,567.55	41.69
23 21 13 23-1951 EA 5" Grooved Wye Strainer.....	3,706.95	52.14
23 21 13 23-1952 EA 6" Grooved Wye Strainer.....	4,041.66	67.76
23 21 13 23-1953 EA 8" Grooved Wye Strainer.....	6,161.22	80.75
23 21 13 23-1954 EA 10" Grooved Wye Strainer.....	9,851.06	94.41
23 21 13 23-1955 EA 12" Grooved Wye Strainer.....	17,131.74	113.36
<b>23 21 13 23-1956 Grooved Tee Type Strainers (23 21 13 23-1945)</b>		
Note: Victaulic Style 730		
23 21 13 23-1957 EA 1-1/2" Grooved Tee Type Strainer.....	1,471.90	16.31
23 21 13 23-1958 EA 2" Grooved Tee Type Strainer.....	1,884.82	21.48
23 21 13 23-1959 EA 2-1/2" Grooved Tee Type Strainer.....	1,985.43	26.07
23 21 13 23-1960 EA 3" Grooved Tee Type Strainer.....	2,233.28	31.25
23 21 13 23-1961 EA 4" Grooved Tee Type Strainer.....	2,536.73	41.69
23 21 13 23-1962 EA 5" Grooved Tee Type Strainer.....	3,662.07	52.14
23 21 13 23-1963 EA 6" Grooved Tee Type Strainer.....	3,993.28	67.76
23 21 13 23-1964 EA 8" Grooved Tee Type Strainer.....	6,086.29	80.75
23 21 13 23-1965 EA 10" Grooved Tee Type Strainer.....	8,902.81	94.41
23 21 13 23-1966 EA 12" Grooved Tee Type Strainer.....	11,448.01	113.36
23 21 13 23-1967 EA 14" Grooved Tee Type Strainer.....	40,391.86	127.62
23 21 13 23-1968 EA 16" Grooved Tee Type Strainer.....	50,175.17	141.29
23 21 13 23-1969 EA 18" Grooved Tee Type Strainer.....	65,947.71	154.37
<b>23 21 13 23-1970 Grooved Suction Diffuser (23 21 13 23-1945)</b>		
Note: Victaulic Style 731		
23 21 13 23-1971 EA 2-1/2" Grooved x 2" Flanged Suction Diffuser.....	3,882.97	24.11
23 21 13 23-1972 EA 3" Grooved x 2" Flanged Suction Diffuser.....	4,122.33	26.65
23 21 13 23-1973 EA 3" Grooved x 2-1/2" Flanged Suction Diffuser.....	2,981.60	31.25
23 21 13 23-1974 EA 3" Grooved x 3" Flanged Suction Diffuser.....	3,024.27	33.88
23 21 13 23-1975 EA 4" Grooved x 2-1/2" Flanged Suction Diffuser.....	3,275.19	33.88
23 21 13 23-1976 EA 4" Grooved x 3" Flanged Suction Diffuser.....	3,533.53	36.52
23 21 13 23-1977 EA 4" Grooved x 4" Flanged Suction Diffuser.....	4,083.84	36.52
23 21 13 23-1978 EA 5" Grooved x 4" Flanged Suction Diffuser.....	4,561.25	46.86
23 21 13 23-1979 EA 5" Grooved x 5" Flanged Suction Diffuser.....	4,793.05	49.51
23 21 13 23-1980 EA 6" Grooved x 4" Flanged Suction Diffuser.....	4,870.33	54.68
23 21 13 23-1981 EA 6" Grooved x 5" Flanged Suction Diffuser.....	5,817.80	59.95
23 21 13 23-1982 EA 6" Grooved x 6" Flanged Suction Diffuser.....	6,043.07	63.86
23 21 13 23-1983 EA 8" Grooved x 5" Flanged Suction Diffuser.....	6,200.87	66.39
23 21 13 23-1984 EA 8" Grooved x 6" Flanged Suction Diffuser.....	6,545.05	74.20
23 21 13 23-1985 EA 8" Grooved x 8" Flanged Suction Diffuser.....	11,192.75	80.75
23 21 13 23-1986 EA 10" Grooved x 8" Flanged Suction Diffuser.....	12,624.31	87.29
23 21 13 23-1987 EA 10" Grooved x 10" Flanged Suction Diffuser.....	15,189.84	90.51
23 21 13 23-1988 EA 12" Grooved x 10" Flanged Suction Diffuser.....	17,975.19	104.18
23 21 13 23-1989 EA 12" Grooved x 12" Flanged Suction Diffuser.....	24,951.76	110.73
23 21 13 23-1990 EA 14" Grooved x 10" Flanged Suction Diffuser.....	23,233.55	110.73
23 21 13 23-1991 EA 14" Grooved x 12" Flanged Suction Diffuser.....	25,948.15	120.49
23 21 13 23-1992 EA 14" Grooved x 14" Flanged Suction Diffuser.....	31,482.47	127.62
23 21 13 23-1993 EA 16" Grooved x 14" Flanged Suction Diffuser.....	32,411.73	134.16
<b>23 21 13 23-1994 Grooved Steel Valves (23 21 13 23-1469)</b>		
<b>23 21 13 23-1995 Grooved Butterfly Valves With Standard Trim (23 21 13 23-1994)</b>		
23 21 13 23-1996 EA 1-1/2" Butterfly Valve, Grooved, With Standard Trim.....	288.17	10.65
23 21 13 23-1997 EA 2" Butterfly Valve, Grooved, With Standard Trim.....	293.20	13.96
23 21 13 23-1998 EA 3" Butterfly Valve, Grooved, With Standard Trim.....	481.54	20.70
23 21 13 23-1999 EA 4" Butterfly Valve, Grooved, With Standard Trim.....	646.91	27.24

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2000 EA 6" Butterfly Valve, Grooved, With Standard Trim .....	1,414.99	44.63
23 21 13 23-2001 EA 8" Butterfly Valve, Grooved, With Standard Trim .....	1,960.74	62.78
23 21 13 23-2002 EA 10" Butterfly Valve, Grooved, With Standard Trim .....	2,946.44	84.85
<b>23 21 13 23-2003 Grooved Butterfly Valves With Stainless Steel Trim (23 21 13 23-1994)</b>		
23 21 13 23-2004 EA 1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim .....	433.99	10.65
23 21 13 23-2005 EA 2" Butterfly Valve, Grooved, With Stainless Steel Trim .....	439.02	13.96
23 21 13 23-2006 EA 3" Butterfly Valve, Grooved, With Stainless Steel Trim .....	679.21	20.70
23 21 13 23-2007 EA 4" Butterfly Valve, Grooved, With Stainless Steel Trim .....	864.03	27.24
23 21 13 23-2008 EA 6" Butterfly Valve, Grooved, With Stainless Steel Trim .....	1,654.79	44.63
23 21 13 23-2009 EA 8" Butterfly Valve, Grooved, With Stainless Steel Trim .....	2,751.44	62.78
23 21 13 23-2010 EA 10" Butterfly Valve, Grooved, With Stainless Steel Trim .....	4,339.88	84.85
<b>23 21 13 23-2011 Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-1994)</b>		
Note: Victaulic No. 721		
23 21 13 23-2012 EA 1-1/2" Ball Valve, Grooved, With Standard Trim .....	242.84	10.44
23 21 13 23-2013 EA 2" Ball Valve, Grooved, With Standard Trim .....	277.84	14.35
23 21 13 23-2014 EA 2-1/2" Ball Valve, Grooved, With Standard Trim .....	636.98	17.57
23 21 13 23-2015 EA 3" Ball Valve, Grooved, With Standard Trim .....	1,046.09	20.80
23 21 13 23-2016 EA 4" Ball Valve, Grooved, With Standard Trim .....	1,629.97	27.34
23 21 13 23-2017 EA 6" Ball Valve, Grooved, With Standard Trim .....	5,075.62	44.92
<b>23 21 13 23-2018 Grooved Ball Valves With Stainless Steel Trim And Handle (23 21 13 23-1994)</b>		
Note: Victaulic No. 721		
23 21 13 23-2019 EA 1-1/2" Ball Valve, Grooved, With Stainless Steel Trim .....	258.81	10.44
23 21 13 23-2020 EA 2" Ball Valve, Grooved, With Stainless Steel Trim .....	443.63	14.35
23 21 13 23-2021 EA 2-1/2" Ball Valve, Grooved, With Stainless Steel Trim .....	1,159.75	17.57
23 21 13 23-2022 EA 3" Ball Valve, Grooved, With Stainless Steel Trim .....	1,500.14	20.80
23 21 13 23-2023 EA 4" Ball Valve, Grooved, With Stainless Steel Trim .....	2,049.56	27.34
23 21 13 23-2024 EA 6" Ball Valve, Grooved, With Stainless Steel Trim .....	5,595.55	44.92
<b>23 21 13 23-2025 Grooved Check Valves (23 21 13 23-1994)</b>		
Note: Victaulic No. 712		
23 21 13 23-2026 EA 2" Check Valve, Grooved .....	369.11	14.35
23 21 13 23-2027 EA 2-1/2" Check Valve, Grooved .....	600.12	17.57
23 21 13 23-2028 EA 3" Check Valve, Grooved .....	699.20	20.80
23 21 13 23-2029 EA 4" Check Valve, Grooved .....	991.48	27.34
<b>23 21 13 23-2030 Grooved Vic-Check Check Valves (23 21 13 23-1994)</b>		
Note: Victaulic No. 716		
23 21 13 23-2031 EA 2-1/2" "Vic-Check" Check Valve, Grooved .....	478.88	17.57
23 21 13 23-2032 EA 3" "Vic-Check" Check Valve, Grooved .....	483.63	20.80
23 21 13 23-2033 EA 4" "Vic-Check" Check Valve, Grooved .....	605.84	27.34
23 21 13 23-2034 EA 6" "Vic-Check" Check Valve, Grooved .....	1,182.68	44.92
23 21 13 23-2035 EA 8" "Vic-Check" Check Valve, Grooved .....	1,618.08	62.49
23 21 13 23-2036 EA 10" "Vic-Check" Check Valve, Grooved .....	4,539.23	84.66
23 21 13 23-2037 EA 12" "Vic-Check" Check Valve, Grooved .....	5,375.75	97.74
<b>23 21 13 23-2038 Grooved Plug Valves With Lever Operator (23 21 13 23-1994)</b>		
Note: Victaulic No. 377		
23 21 13 23-2039 EA 3" Balancing Plug Valve, Grooved, With Lever Handle .....	591.12	20.80
23 21 13 23-2040 EA 4" Balancing Plug Valve, Grooved, With Lever Handle .....	657.17	27.34
23 21 13 23-2041 EA 6" Balancing Plug Valve, Grooved, With Lever Handle .....	1,172.17	44.92
<b>23 21 13 23-2042 Grooved Plug Valve With Gear Operator (23 21 13 23-1994)</b>		
Note: Victaulic No. 377		
23 21 13 23-2043 EA 3" Balancing Plug Valve, Grooved, With Gear Operator .....	1,042.78	20.80
23 21 13 23-2044 EA 4" Balancing Plug Valve, Grooved, With Gear Operator .....	1,108.86	27.34
23 21 13 23-2045 EA 6" Balancing Plug Valve, Grooved, With Gear Operator .....	1,623.87	44.92
23 21 13 23-2046 EA 8" Balancing Plug Valve, Grooved, With Gear Operator .....	2,172.84	62.49
23 21 13 23-2047 EA 10" Balancing Plug Valve, Grooved, With Gear Operator .....	3,405.85	84.66
23 21 13 23-2048 EA 12" Balancing Plug Valve, Grooved, With Gear Operator .....	4,922.70	97.74
<b>23 21 13 23-2049 Prepare Pipe For Groove (23 21 13 23-1469)</b>		
<b>23 21 13 23-2050 Cut Grooved Pipe (23 21 13 23-2049)</b>		
Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2051 EA Cut 3/4" Groove Pipe .....	10.23	
23 21 13 23-2052 EA Cut 1" Groove Pipe .....	11.11	
23 21 13 23-2053 EA Cut 1-1/4" Groove Pipe .....	12.54	
23 21 13 23-2054 EA Cut 1-1/2" Groove Pipe .....	13.64	
23 21 13 23-2055 EA Cut 2" Groove Pipe .....	14.95	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2056 EA Cut 2-1/2" Groove Pipe.....	16.20	
23 21 13 23-2057 EA Cut 3" Groove Pipe.....	17.67	
23 21 13 23-2058 EA Cut 3-1/2" Groove Pipe.....	18.73	
23 21 13 23-2059 EA Cut 4" Groove Pipe.....	19.93	
23 21 13 23-2060 EA Cut 5" Groove Pipe.....	21.59	
23 21 13 23-2061 EA Cut 6" Groove Pipe.....	22.21	
23 21 13 23-2062 EA Cut 8" Groove Pipe.....	28.79	
23 21 13 23-2063 EA Cut 10" Groove Pipe.....	40.92	
23 21 13 23-2064 EA Cut 12" Groove Pipe.....	51.82	
23 21 13 23-2065 EA Cut 14" Groove Pipe.....	77.74	
23 21 13 23-2066 EA Cut 16" Groove Pipe.....	81.83	
23 21 13 23-2067 EA Cut 18" Groove Pipe.....	86.38	
23 21 13 23-2068 EA Cut 20" Groove Pipe.....	91.46	
23 21 13 23-2069 EA Cut 24" Groove Pipe.....	103.65	
<b>23 21 13 23-2070</b>		
<b>Roll Grooved Pipe</b> <small>(23 21 13 23-2049)</small>		
Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2071 EA Roll 3/4" Groove.....	5.85	
23 21 13 23-2072 EA Roll 1" Groove.....	6.81	
23 21 13 23-2073 EA Roll 1-1/4" Groove.....	7.77	
23 21 13 23-2074 EA Roll 1-1/2" Groove.....	8.73	
23 21 13 23-2075 EA Roll 2" Groove.....	13.41	
23 21 13 23-2076 EA Roll 2-1/2" Groove.....	14.13	
23 21 13 23-2077 EA Roll 3" Groove.....	15.54	
23 21 13 23-2078 EA Roll 3-1/2" Groove.....	16.54	
23 21 13 23-2079 EA Roll 4" Groove.....	18.07	
23 21 13 23-2080 EA Roll 5" Groove.....	18.51	
23 21 13 23-2081 EA Roll 6" Groove.....	19.44	
23 21 13 23-2082 EA Roll 8" Groove.....	23.56	
23 21 13 23-2083 EA Roll 10" Groove.....	26.80	
23 21 13 23-2084 EA Roll 12" Groove.....	33.80	
23 21 13 23-2085 EA Roll 14" Groove.....	51.82	
23 21 13 23-2086 EA Roll 16" Groove.....	55.52	
23 21 13 23-2087 EA Roll 18" Groove.....	57.58	
23 21 13 23-2088 EA Roll 20" Groove.....	62.19	
23 21 13 23-2089 EA Roll 24" Groove.....	67.60	
<b>23 21 13 23-2090</b>		
<b>Standard Gaskets</b> <small>(23 21 13 23-2049)</small>		
Note: For use on replacement of existing gaskets.		
23 21 13 23-2091 EA 3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	33.14	
23 21 13 23-2092 EA 1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	33.95	
23 21 13 23-2093 EA 1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	35.31	
23 21 13 23-2094 EA 1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	38.61	
23 21 13 23-2095 EA 2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	39.19	
23 21 13 23-2096 EA 2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	46.52	
23 21 13 23-2097 EA 3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	50.85	
23 21 13 23-2098 EA 3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	63.40	
23 21 13 23-2099 EA 4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	63.87	
23 21 13 23-2100 EA 5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	80.93	
23 21 13 23-2101 EA 6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	87.19	
23 21 13 23-2102 EA 8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	119.11	
23 21 13 23-2103 EA 10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	150.63	
23 21 13 23-2104 EA 12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	176.69	
23 21 13 23-2105 EA 14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	245.84	
23 21 13 23-2106 EA 16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	332.74	
23 21 13 23-2107 EA 18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	397.09	
23 21 13 23-2108 EA 20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	597.26	
23 21 13 23-2109 EA 24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	822.58	
<b>23 21 13 23-2110</b>		
<b>Copper Grooved-Joint Pipe Fittings</b> <small>(23 21 13 23)</small>		
Note: Couplings are not included with fittings.		
<b>23 21 13 23-2111</b>		
<b>Grooved Fittings</b> <small>(23 21 13 23-2110)</small>		
<b>23 21 13 23-2112</b>		
<b>Grooved 90 Degree Elbows</b> <small>(23 21 13 23-2111)</small>		
23 21 13 23-2113 EA 2" Copper 90 Degree Elbow, Grooved.....	68.45	15.92
23 21 13 23-2114 EA 2-1/2" Copper 90 Degree Elbow, Grooved.....	78.41	19.44
23 21 13 23-2115 EA 3" Copper 90 Degree Elbow, Grooved.....	102.51	23.53
23 21 13 23-2116 EA 4" Copper 90 Degree Elbow, Grooved.....	189.33	31.05
23 21 13 23-2117 EA 5" Copper 90 Degree Elbow, Grooved.....	438.12	38.86
23 21 13 23-2118 EA 6" Copper 90 Degree Elbow, Grooved.....	676.83	50.87
23 21 13 23-2119 EA 8" Copper 90 Degree Elbow, Grooved.....	1,200.74	60.53
<b>23 21 13 23-2120</b>		
<b>Grooved 45 Degree Elbows</b> <small>(23 21 13 23-2111)</small>		
23 21 13 23-2121 EA 2" Copper 45 Degree Elbow, Grooved.....	68.45	15.92
23 21 13 23-2122 EA 2-1/2" Copper 45 Degree Elbow, Grooved.....	78.41	19.44
23 21 13 23-2123 EA 3" Copper 45 Degree Elbow, Grooved.....	102.51	23.53

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2124 EA 4" Copper 45 Degree Elbow, Grooved.....	189.33	31.05
23 21 13 23-2125 EA 5" Copper 45 Degree Elbow, Grooved.....	438.12	38.86
23 21 13 23-2126 EA 6" Copper 45 Degree Elbow, Grooved.....	676.83	50.87
23 21 13 23-2127 EA 8" Copper 45 Degree Elbow, Grooved.....	1,200.74	60.53
<b>23 21 13 23-2128 Grooved Tees (2321 13232111)</b>		
23 21 13 23-2129 EA 2" Copper Tee, Grooved.....	106.83	23.44
23 21 13 23-2130 EA 2-1/2" Copper Tee, Grooved.....	121.15	28.80
23 21 13 23-2131 EA 3" Copper Tee, Grooved.....	165.27	35.34
23 21 13 23-2132 EA 4" Copper Tee, Grooved.....	298.85	45.70
23 21 13 23-2133 EA 5" Copper Tee, Grooved.....	1,032.21	59.76
23 21 13 23-2134 EA 6" Copper Tee, Grooved.....	866.52	74.80
23 21 13 23-2135 EA 8" Copper Tee, Grooved.....	1,461.83	90.81
<b>23 21 13 23-2136 Grooved Reducing Tees (2321 13232111)</b>		
23 21 13 23-2137 EA 2-1/2" Copper Tee, Reducing, Grooved.....	152.34	28.80
23 21 13 23-2138 EA 3" Copper Tee, Reducing, Grooved.....	231.51	35.34
23 21 13 23-2139 EA 4" Copper Tee, Reducing, Grooved.....	363.92	45.80
23 21 13 23-2140 EA 5" Copper Tee, Reducing, Grooved.....	951.16	59.86
23 21 13 23-2141 EA 6" Copper Tee, Reducing, Grooved.....	1,164.84	74.80
<b>23 21 13 23-2142 Grooved X Cup Reducing Tees (2321 13232111)</b>		
23 21 13 23-2143 EA 2" Copper Tee, Reducing, Grooved X Cup.....	123.51	23.44
23 21 13 23-2144 EA 2-1/2" Copper Tee, Reducing, Grooved X Cup.....	152.68	28.80
23 21 13 23-2145 EA 3" Copper Tee, Reducing, Grooved X Cup.....	246.52	35.34
23 21 13 23-2146 EA 4" Copper Tee, Reducing, Grooved X Cup.....	363.92	45.70
<b>23 21 13 23-2147 Grooved Flanged Adapter Nipples (2321 13232111)</b>		
23 21 13 23-2148 EA 2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	192.33	17.28
23 21 13 23-2149 EA 2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	206.18	20.99
23 21 13 23-2150 EA 3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	222.12	25.09
23 21 13 23-2151 EA 4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	256.13	33.78
23 21 13 23-2152 EA 5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	335.25	40.91
23 21 13 23-2153 EA 6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	386.31	55.26
<b>23 21 13 23-2154 Grooved Concentric Reducers (2321 13232111)</b>		
23 21 13 23-2155 EA 2-1/2" x 2" Copper Concentric Reducer, Grooved.....	88.02	17.77
23 21 13 23-2156 EA 3" x 2" Copper Concentric Reducer, Grooved.....	91.94	19.82
23 21 13 23-2157 EA 3" x 2-1/2" Copper Concentric Reducer, Grooved.....	99.51	23.53
23 21 13 23-2158 EA 4" x 2" Copper Concentric Reducer, Grooved.....	154.48	23.73
23 21 13 23-2159 EA 4" x 2-1/2" Copper Concentric Reducer, Grooved.....	157.90	25.38
23 21 13 23-2160 EA 4" x 3" Copper Concentric Reducer, Grooved.....	161.81	27.34
23 21 13 23-2161 EA 5" x 3" Copper Concentric Reducer, Grooved.....	363.81	31.25
23 21 13 23-2162 EA 5" x 4" Copper Concentric Reducer, Grooved.....	371.62	35.15
23 21 13 23-2163 EA 6" x 3" Copper Concentric Reducer, Grooved.....	400.39	37.11
23 21 13 23-2164 EA 6" x 4" Copper Concentric Reducer, Grooved.....	408.21	41.01
23 21 13 23-2165 EA 6" x 5" Copper Concentric Reducer, Grooved.....	416.02	44.92
23 21 13 23-2166 EA 8" x 6" Copper Concentric Reducer, Grooved.....	683.76	55.65
<b>23 21 13 23-2167 Grooved X Cup Concentric Reducers (2321 13232111)</b>		
23 21 13 23-2168 EA 2" x 1" Copper Concentric Reducer, Grooved X Cup.....	68.28	12.50
23 21 13 23-2169 EA 2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	69.26	12.98
23 21 13 23-2170 EA 2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	72.24	14.46
23 21 13 23-2171 EA 2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup.....	80.95	13.96
23 21 13 23-2172 EA 2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	81.92	14.46
23 21 13 23-2173 EA 2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	84.79	15.92
23 21 13 23-2174 EA 2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup.....	88.69	17.77
23 21 13 23-2175 EA 3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	101.53	17.77
23 21 13 23-2176 EA 3" x 2" Copper Concentric Reducer, Grooved X Cup.....	105.45	19.82
23 21 13 23-2177 EA 4" x 2" Copper Concentric Reducer, Grooved X Cup.....	169.66	23.63
<b>23 21 13 23-2178 Grooved Standard Couplings (2321 13232111)</b>		
23 21 13 23-2179 EA 2" Copper Standard Coupling, Grooved.....	28.56	8.00
23 21 13 23-2180 EA 2-1/2" Copper Standard Coupling, Grooved.....	33.88	9.77
23 21 13 23-2181 EA 3" Copper Standard Coupling, Grooved.....	39.10	11.62
23 21 13 23-2182 EA 4" Copper Standard Coupling, Grooved.....	55.42	15.62
23 21 13 23-2183 EA 5" Copper Standard Coupling, Grooved.....	80.25	19.44
23 21 13 23-2184 EA 6" Copper Standard Coupling, Grooved.....	105.52	25.38
23 21 13 23-2185 EA 8" Copper Standard Coupling, Grooved.....	145.63	30.27
<b>23 21 13 23-2186 Grooved Caps (2321 13232111)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2187 EA 2" Copper Cap, Grooved .....	41.15	8.00
23 21 13 23-2188 EA 2-1/2" Copper Cap, Grooved .....	56.82	9.77
23 21 13 23-2189 EA 3" Copper Cap, Grooved .....	69.59	11.62
23 21 13 23-2190 EA 4" Copper Cap, Grooved .....	100.67	15.52
23 21 13 23-2191 EA 5" Copper Cap, Grooved .....	162.23	19.44
23 21 13 23-2192 EA 6" Copper Cap, Grooved .....	192.84	25.38
<b>23 21 13 23-2193 Grooved Valves</b> <small>(23 21 13 23-2110)</small>		
<b>23 21 13 23-2194 Grooved Butterfly Valves, Standard Trim, Without Operator</b> <small>(23 21 13 23-2193)</small>		
Note: Copper body.		
23 21 13 23-2195 EA 2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body .....	476.49	10.44
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2196 EA 3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body .....	541.29	15.52
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2197 EA 4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body .....	715.54	20.40
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2198 EA 6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body .....	953.64	33.49
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2199 EA 8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body .....	1,049.39	47.07
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
<b>23 21 13 23-2200 Grooved Butterfly Valves, Standard Trim, With Operator</b> <small>(23 21 13 23-2193)</small>		
Note: Copper body.		
23 21 13 23-2201 EA 2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body .....	582.55	10.44
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2202 EA 3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body .....	647.42	15.52
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2203 EA 4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body .....	821.67	20.40
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2204 EA 6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body .....	1,059.84	33.49
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2205 EA 8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body .....	1,155.52	47.07
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
<b>23 21 13 23-2206 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings</b> <small>(23 21 13 23)</small>		
Note: Socket or back weld.		
<b>23 21 13 23-2207 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings</b> <small>(23 21 13 23-2206)</small>		
Note: ASTM D1785 with D2466 fittings.		
<b>23 21 13 23-2208 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe</b> <small>(23 21 13 23-2207)</small>		
23 21 13 23-2209 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	4.54	2.79
For Work In Restricted Working Space, Add	1.26	
23 21 13 23-2210 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	5.68	3.49
For Work In Restricted Working Space, Add	1.57	
23 21 13 23-2211 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	6.21	3.72
For Work In Restricted Working Space, Add	1.67	
23 21 13 23-2212 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	6.85	4.00
For Work In Restricted Working Space, Add	1.80	
23 21 13 23-2213 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	7.07	4.07
For Work In Restricted Working Space, Add	1.83	
23 21 13 23-2214 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	8.63	4.87
For Work In Restricted Working Space, Add	2.20	
23 21 13 23-2215 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	10.76	5.79
For Work In Restricted Working Space, Add	2.60	
23 21 13 23-2216 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	13.20	7.00
For Work In Restricted Working Space, Add	3.15	
23 21 13 23-2217 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	19.64	10.49
For Work In Restricted Working Space, Add	4.73	
23 21 13 23-2218 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	27.80	14.00
For Work In Restricted Working Space, Add	6.30	
23 21 13 23-2219 LF 8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	35.36	16.68
For Work In Restricted Working Space, Add	7.51	
23 21 13 23-2220 LF 10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	59.52	18.64
For Work In Restricted Working Space, Add	8.38	
<b>23 21 13 23-2221 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows</b> <small>(23 21 13 23-2207)</small>		
23 21 13 23-2222 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	16.58	10.54
For Work In Restricted Working Space, Add	4.73	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2223	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	22.17 6.30	13.96
23 21	13 23-2224	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	28.12 7.81	17.38
23 21	13 23-2225	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	40.67 11.05	24.61
23 21	13 23-2226	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	45.63 12.47	27.73
23 21	13 23-2227	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	59.19 15.83	35.25
23 21	13 23-2228	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	97.59 23.43	52.14
23 21	13 23-2229	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	126.17 30.83	68.55
23 21	13 23-2230	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	163.85 36.62	81.43
23 21	13 23-2231	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	239.56 41.85	93.05
23 21	13 23-2232	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	420.40 48.82	108.58
23 21	13 23-2233	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	628.78 72.80	161.88
<b>23 21</b>	<b>13 23-2234</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <small>(23 21 13 23-2207)</small></b>		
23 21	13 23-2235	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	17.00 4.73	10.54
23 21	13 23-2236	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	23.00 6.30	13.96
23 21	13 23-2237	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	29.29 7.81	17.38
23 21	13 23-2238	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	41.42 11.05	24.61
23 21	13 23-2239	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	47.29 12.47	27.73
23 21	13 23-2240	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	60.27 15.83	35.25
23 21	13 23-2241	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	97.59 23.43	52.14
23 21	13 23-2242	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	133.17 30.83	68.55
23 21	13 23-2243	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	176.59 36.62	81.43
23 21	13 23-2244	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	240.73 41.85	93.05
23 21	13 23-2245	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	406.33 48.82	108.58
23 21	13 23-2246	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i>	628.78 72.80	161.88
<b>23 21</b>	<b>13 23-2247</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) Tees <small>(23 21 13 23-2207)</small></b>		
23 21	13 23-2248	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	27.04 7.81	17.38
23 21	13 23-2249	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	32.58 9.45	20.99
23 21	13 23-2250	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	43.63 12.47	27.73
23 21	13 23-2251	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees ..... <i>For Work In Restricted Working Space, Add</i>	56.11 15.83	35.25
23 21	13 23-2252	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees ..... <i>For Work In Restricted Working Space, Add</i>	67.07 18.90	41.99
23 21	13 23-2253	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	84.02 23.43	52.14
23 21	13 23-2254	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees ..... <i>For Work In Restricted Working Space, Add</i>	122.43 30.83	68.55
23 21	13 23-2255	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	147.79 36.62	81.43
23 21	13 23-2256	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	209.35 48.82	108.58
23 21	13 23-2257	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	367.16 62.99	140.02
23 21	13 23-2258	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	625.02 78.11	173.70
23 21	13 23-2259	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	1,815.99 116.74	259.52
<b>23 21</b>	<b>13 23-2260</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) Crosses <small>(23 21 13 23-2207)</small></b>		
23 21	13 23-2261	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	34.12 9.77	21.67
23 21	13 23-2262	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	41.07 11.81	26.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2263 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	55.21 15.58	34.67
23 21 13 23-2264 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	71.20 19.79	44.03
23 21 13 23-2265 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	85.13 23.62	52.53
23 21 13 23-2266 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	106.91 29.29	65.13
23 21 13 23-2267 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	159.28 38.54	85.73
23 21 13 23-2268 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	192.88 45.77	101.74
23 21 13 23-2269 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	276.51 61.03	135.72
23 21 13 23-2270 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	508.77 78.71	174.97
23 21 13 23-2271 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	896.92 97.59	216.95
23 21 13 23-2272 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	2,723.41 146.00	324.55
<b>23 21 13 23-2273 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <small>(23 21 13 23-2207)</small></b>		
23 21 13 23-2274 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	17.08 4.90	10.74
23 21 13 23-2275 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	22.49 6.27	13.77
23 21 13 23-2276 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	30.02 8.38	18.46
23 21 13 23-2277 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	37.00 10.45	22.94
23 21 13 23-2278 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	45.59 12.58	27.63
23 21 13 23-2279 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	64.00 17.45	38.38
23 21 13 23-2280 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	89.13 24.12	53.02
23 21 13 23-2281 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	119.66 29.98	65.91
23 21 13 23-2282 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	165.27 34.87	76.74
23 21 13 23-2283 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	416.26 40.30	88.66
23 21 13 23-2284 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	493.16 54.05	118.93
<b>23 21 13 23-2285 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <small>(23 21 13 23-2207)</small></b>		
23 21 13 23-2286 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	17.50 4.73	10.54
23 21 13 23-2287 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	22.75 6.30	13.96
23 21 13 23-2288 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	28.20 7.81	17.38
23 21 13 23-2289 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	40.17 11.05	24.61
23 21 13 23-2290 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	45.38 12.47	27.73
23 21 13 23-2291 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	58.02 15.83	35.25
23 21 13 23-2292 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	85.69 23.43	52.14
23 21 13 23-2293 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	111.52 30.83	68.55
23 21 13 23-2294 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	141.79 36.62	81.43
<b>23 21 13 23-2295 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <small>(23 21 13 23-2207)</small></b>		
23 21 13 23-2296 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	18.08 4.73	10.54
23 21 13 23-2297 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	23.33 6.30	13.96
23 21 13 23-2298 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	29.37 7.81	17.38
23 21 13 23-2299 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	40.84 11.05	24.61
23 21 13 23-2300 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	46.88 12.47	27.73
23 21 13 23-2301 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	59.36 15.83	35.25

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2302	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	87.18	52.14
			<i>For Work In Restricted Working Space, Add</i>	23.43	
23 21	13 23-2303	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	116.10	68.55
			<i>For Work In Restricted Working Space, Add</i>	30.83	
23 21	13 23-2304	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	139.13	81.43
			<i>For Work In Restricted Working Space, Add</i>	36.62	
<b>23 21</b>	<b>13 23-2305</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters</b> <small>(23 21 13 23-2207)</small>		
23 21	13 23-2306	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	16.58	10.54
			<i>For Work In Restricted Working Space, Add</i>	4.73	
23 21	13 23-2307	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	22.08	13.96
			<i>For Work In Restricted Working Space, Add</i>	6.30	
23 21	13 23-2308	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	27.29	17.38
			<i>For Work In Restricted Working Space, Add</i>	7.81	
23 21	13 23-2309	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	38.84	24.61
			<i>For Work In Restricted Working Space, Add</i>	11.05	
23 21	13 23-2310	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	43.88	27.73
			<i>For Work In Restricted Working Space, Add</i>	12.47	
23 21	13 23-2311	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	55.94	35.25
			<i>For Work In Restricted Working Space, Add</i>	15.83	
23 21	13 23-2312	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	91.84	52.14
			<i>For Work In Restricted Working Space, Add</i>	23.43	
23 21	13 23-2313	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	121.26	68.55
			<i>For Work In Restricted Working Space, Add</i>	30.83	
23 21	13 23-2314	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	152.61	81.43
			<i>For Work In Restricted Working Space, Add</i>	36.62	
<b>23 21</b>	<b>13 23-2315</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) P-Traps</b> <small>(23 21 13 23-2207)</small>		
23 21	13 23-2316	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps.....	27.56	14.35
			<i>For Work In Restricted Working Space, Add</i>	6.44	
<b>23 21</b>	<b>13 23-2317</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) Couplings</b> <small>(23 21 13 23-2207)</small>		
23 21	13 23-2318	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	16.25	10.54
			<i>For Work In Restricted Working Space, Add</i>	4.73	
23 21	13 23-2319	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	21.67	13.96
			<i>For Work In Restricted Working Space, Add</i>	6.30	
23 21	13 23-2320	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	27.29	17.38
			<i>For Work In Restricted Working Space, Add</i>	7.81	
23 21	13 23-2321	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	38.51	24.61
			<i>For Work In Restricted Working Space, Add</i>	11.05	
23 21	13 23-2322	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	43.38	27.73
			<i>For Work In Restricted Working Space, Add</i>	12.47	
23 21	13 23-2323	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	55.61	35.25
			<i>For Work In Restricted Working Space, Add</i>	15.83	
23 21	13 23-2324	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	84.44	52.14
			<i>For Work In Restricted Working Space, Add</i>	23.43	
23 21	13 23-2325	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	112.69	68.55
			<i>For Work In Restricted Working Space, Add</i>	30.83	
23 21	13 23-2326	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	136.46	81.43
			<i>For Work In Restricted Working Space, Add</i>	36.62	
23 21	13 23-2327	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	185.11	93.05
			<i>For Work In Restricted Working Space, Add</i>	41.85	
23 21	13 23-2328	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	247.98	108.58
			<i>For Work In Restricted Working Space, Add</i>	48.82	
23 21	13 23-2329	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	565.71	116.39
			<i>For Work In Restricted Working Space, Add</i>	52.33	
<b>23 21</b>	<b>13 23-2330</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) Unions</b> <small>(23 21 13 23-2207)</small>		
23 21	13 23-2331	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	31.43	17.38
			<i>For Work In Restricted Working Space, Add</i>	7.81	
23 21	13 23-2332	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	45.57	20.99
			<i>For Work In Restricted Working Space, Add</i>	9.45	
23 21	13 23-2333	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	57.28	27.73
			<i>For Work In Restricted Working Space, Add</i>	12.47	
23 21	13 23-2334	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	91.08	35.25
			<i>For Work In Restricted Working Space, Add</i>	15.83	
23 21	13 23-2335	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	102.95	41.99
			<i>For Work In Restricted Working Space, Add</i>	18.90	
23 21	13 23-2336	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	131.97	52.14
			<i>For Work In Restricted Working Space, Add</i>	23.43	
23 21	13 23-2337	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	200.52	68.55
			<i>For Work In Restricted Working Space, Add</i>	30.83	
23 21	13 23-2338	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	225.63	81.43
			<i>For Work In Restricted Working Space, Add</i>	36.62	
23 21	13 23-2339	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	368.11	108.58
			<i>For Work In Restricted Working Space, Add</i>	48.82	
23 21	13 23-2340	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	485.20	140.02
			<i>For Work In Restricted Working Space, Add</i>	62.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2341 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	714.45 78.07	173.61
23 21 13 23-2342 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	1,071.81 96.94	215.49
<b>23 21 13 23-2343 Schedule 40 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2207)</b>		
23 21 13 23-2344 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	7.86 2.16	4.75
23 21 13 23-2345 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	10.29 2.84	6.25
23 21 13 23-2346 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	13.04 3.51	7.71
23 21 13 23-2347 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	18.65 5.05	11.09
23 21 13 23-2348 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	20.70 5.61	12.30
23 21 13 23-2349 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	26.16 7.13	15.72
23 21 13 23-2350 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	43.06 10.55	23.24
23 21 13 23-2351 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	54.82 13.88	30.56
23 21 13 23-2352 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	74.57 16.48	36.23
23 21 13 23-2353 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	109.81 18.83	41.40
23 21 13 23-2354 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	230.59 21.97	48.34
23 21 13 23-2355 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	691.38 32.76	72.06
<b>23 21 13 23-2356 Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges (23 21 13 23-2207)</b>		
23 21 13 23-2357 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges ..... <i>For Work In Restricted Working Space, Add</i>	42.77 7.81	17.38
23 21 13 23-2358 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	57.14 9.45	20.99
23 21 13 23-2359 EA 1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	70.10 12.47	27.73
23 21 13 23-2360 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	82.17 15.83	35.25
23 21 13 23-2361 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	93.04 18.90	41.99
23 21 13 23-2362 EA 2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	118.07 23.43	52.14
23 21 13 23-2363 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	164.47 30.83	68.55
23 21 13 23-2364 EA 3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	190.16 36.62	81.43
23 21 13 23-2365 EA 4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	248.98 48.82	108.58
23 21 13 23-2366 EA 6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	345.50 62.97	140.02
23 21 13 23-2367 EA 8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	566.18 78.07	173.61
23 21 13 23-2368 EA 10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	1,012.19 96.79	215.20
<b>23 21 13 23-2369 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2206)</b>		
Note: ASTM D1785 with D2467 fittings.		
<b>23 21 13 23-2370 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2369)</b>		
23 21 13 23-2371 LF 1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	4.64 1.26	2.83
23 21 13 23-2372 LF 3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	5.80 1.57	3.52
23 21 13 23-2373 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	7.12 1.88	4.19
23 21 13 23-2374 LF 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	8.48 2.20	4.88
23 21 13 23-2375 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	9.74 2.51	5.56
23 21 13 23-2376 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	12.48 3.15	7.03
23 21 13 23-2377 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	14.50 3.47	7.71
23 21 13 23-2378 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	16.52 3.78	8.40
23 21 13 23-2379 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	21.51 4.73	10.54
23 21 13 23-2380 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	31.94 6.30	13.96

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2381	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe .....	41.71	16.69
			<i>For Work In Restricted Working Space, Add</i>	7.51	
23 21	13 23-2382	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe .....	78.32	17.96
			<i>For Work In Restricted Working Space, Add</i>	8.09	
<b>23 21</b>	<b>13 23-2383</b>		<b>Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows</b> <small>(23 21 13 23-2369)</small>		
23 21	13 23-2384	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	18.75	10.54
			<i>For Work In Restricted Working Space, Add</i>	4.73	
			<i>For Threaded Fittings, Add</i>	2.36	
23 21	13 23-2385	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	24.91	13.96
			<i>For Work In Restricted Working Space, Add</i>	6.30	
			<i>For Threaded Fittings, Add</i>	3.15	
23 21	13 23-2386	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	32.37	17.38
			<i>For Work In Restricted Working Space, Add</i>	7.81	
			<i>For Threaded Fittings, Add</i>	3.91	
23 21	13 23-2387	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	45.25	24.61
			<i>For Work In Restricted Working Space, Add</i>	11.05	
			<i>For Threaded Fittings, Add</i>	5.53	
23 21	13 23-2388	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	50.54	27.73
			<i>For Work In Restricted Working Space, Add</i>	12.47	
			<i>For Threaded Fittings, Add</i>	6.23	
23 21	13 23-2389	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	63.69	35.25
			<i>For Work In Restricted Working Space, Add</i>	15.83	
			<i>For Threaded Fittings, Add</i>	7.92	
23 21	13 23-2390	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	103.67	52.14
			<i>For Work In Restricted Working Space, Add</i>	23.43	
			<i>For Threaded Fittings, Add</i>	11.72	
23 21	13 23-2391	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	131.50	68.55
			<i>For Work In Restricted Working Space, Add</i>	30.83	
			<i>For Threaded Fittings, Add</i>	15.42	
23 21	13 23-2392	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	165.68	81.43
			<i>For Work In Restricted Working Space, Add</i>	36.62	
			<i>For Threaded Fittings, Add</i>	18.31	
23 21	13 23-2393	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	297.09	93.05
			<i>For Work In Restricted Working Space, Add</i>	41.85	
			<i>For Threaded Fittings, Add</i>	20.92	
23 21	13 23-2394	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	505.32	108.58
			<i>For Work In Restricted Working Space, Add</i>	48.82	
			<i>For Threaded Fittings, Add</i>	24.41	
23 21	13 23-2395	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	628.78	161.88
			<i>For Work In Restricted Working Space, Add</i>	72.80	
			<i>For Threaded Fittings, Add</i>	36.40	
<b>23 21</b>	<b>13 23-2396</b>		<b>Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows</b> <small>(23 21 13 23-2369)</small>		
23 21	13 23-2397	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	21.49	10.54
			<i>For Work In Restricted Working Space, Add</i>	4.73	
			<i>For Threaded Fittings, Add</i>	2.36	
23 21	13 23-2398	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	29.74	13.96
			<i>For Work In Restricted Working Space, Add</i>	6.30	
			<i>For Threaded Fittings, Add</i>	3.15	
23 21	13 23-2399	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	39.19	17.38
			<i>For Work In Restricted Working Space, Add</i>	7.81	
			<i>For Threaded Fittings, Add</i>	3.91	
23 21	13 23-2400	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	53.66	24.61
			<i>For Work In Restricted Working Space, Add</i>	11.05	
			<i>For Threaded Fittings, Add</i>	5.53	
23 21	13 23-2401	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	61.36	27.73
			<i>For Work In Restricted Working Space, Add</i>	12.47	
			<i>For Threaded Fittings, Add</i>	6.23	
23 21	13 23-2402	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	78.51	35.25
			<i>For Work In Restricted Working Space, Add</i>	15.83	
			<i>For Threaded Fittings, Add</i>	7.92	
23 21	13 23-2403	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	132.23	52.14
			<i>For Work In Restricted Working Space, Add</i>	23.43	
			<i>For Threaded Fittings, Add</i>	11.72	
23 21	13 23-2404	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	168.64	68.55
			<i>For Work In Restricted Working Space, Add</i>	30.83	
			<i>For Threaded Fittings, Add</i>	15.42	
23 21	13 23-2405	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	240.70	81.43
			<i>For Work In Restricted Working Space, Add</i>	36.62	
			<i>For Threaded Fittings, Add</i>	18.31	
23 21	13 23-2406	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	288.86	93.05
			<i>For Work In Restricted Working Space, Add</i>	41.85	
			<i>For Threaded Fittings, Add</i>	20.92	
23 21	13 23-2407	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	486.60	108.58
			<i>For Work In Restricted Working Space, Add</i>	48.82	
			<i>For Threaded Fittings, Add</i>	24.41	
23 21	13 23-2408	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	607.74	161.88
			<i>For Work In Restricted Working Space, Add</i>	72.80	
			<i>For Threaded Fittings, Add</i>	36.40	
<b>23 21</b>	<b>13 23-2409</b>		<b>Schedule 80 Polyvinyl Chloride (PVC) Tees</b> <small>(23 21 13 23-2369)</small>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2410 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	33.30 7.42 3.71	16.50
23 21 13 23-2411 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	40.49 9.45 4.73	20.99
23 21 13 23-2412 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	52.79 12.47 6.23	27.73
23 21 13 23-2413 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	83.84 15.83 7.92	35.25
23 21 13 23-2414 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	94.05 18.90 9.45	41.99
23 21 13 23-2415 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	116.99 23.43 11.72	52.14
23 21 13 23-2416 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	145.08 30.83 15.42	68.55
23 21 13 23-2417 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	174.85 36.62 18.31	81.43
23 21 13 23-2418 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	223.92 48.82 24.41	108.58
23 21 13 23-2419 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	419.04 62.99 31.50	140.02
23 21 13 23-2420 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Tees ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	745.27 78.11 39.06	173.70
23 21 13 23-2421 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Tees ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,816.09 116.74 58.37	259.52
<b>23 21 13 23-2422 Schedule 80 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2369)</b>		
23 21 13 23-2423 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	44.34 9.27 4.64	20.60
23 21 13 23-2424 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	53.46 11.81 5.91	26.27
23 21 13 23-2425 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	69.56 15.58 7.79	34.67
23 21 13 23-2426 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	114.66 19.79 9.90	44.03
23 21 13 23-2427 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	127.42 23.62 11.81	52.53
23 21 13 23-2428 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	158.59 29.29 14.65	65.13
23 21 13 23-2429 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	194.79 38.54 19.27	85.73
23 21 13 23-2430 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	235.31 45.77 22.88	101.74
23 21 13 23-2431 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	299.35 61.03 30.51	135.72
23 21 13 23-2432 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	590.10 78.71 39.36	174.97
23 21 13 23-2433 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,085.42 97.59 48.80	216.95
23 21 13 23-2434 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	2,723.56 146.00 73.00	324.55
<b>23 21 13 23-2435 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2369)</b>		
23 21 13 23-2436 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	22.75 6.30	13.96
23 21 13 23-2437 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	31.12 7.81	17.38
23 21 13 23-2438 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	44.83 11.05	24.61

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2439	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	52.46 12.47	27.73
23 21	13 23-2440	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	68.35 15.83	35.25
23 21	13 23-2441	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	105.08 23.43	52.14
23 21	13 23-2442	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	145.65 30.83	68.55
23 21	13 23-2443	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	181.50 36.62	81.43
23 21	13 23-2444	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	205.42 41.85	93.05
23 21	13 23-2445	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	309.08 48.82	108.58
23 21	13 23-2446	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	502.07 56.72	126.06
<b>23 21 13 23-2447 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2369)</b>					
23 21	13 23-2448	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	16.33 4.73	10.54
23 21	13 23-2449	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	24.25 6.30	13.96
23 21	13 23-2450	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	31.12 7.81	17.38
23 21	13 23-2451	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	47.16 11.05	24.61
23 21	13 23-2452	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	54.54 12.47	27.73
23 21	13 23-2453	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	68.68 15.83	35.25
23 21	13 23-2454	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	111.74 23.43	52.14
23 21	13 23-2455	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	165.05 30.83	68.55
23 21	13 23-2456	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	217.80 36.62	81.43
<b>23 21 13 23-2457 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2369)</b>					
23 21	13 23-2458	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	22.83 4.73	10.54
23 21	13 23-2459	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	28.83 6.30	13.96
23 21	13 23-2460	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	39.69 7.81	17.38
23 21	13 23-2461	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	52.83 11.05	24.61
23 21	13 23-2462	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	64.53 12.47	27.73
23 21	13 23-2463	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	82.75 15.83	35.25
23 21	13 23-2464	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	112.24 23.43	52.14
23 21	13 23-2465	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	140.66 30.83	68.55
23 21	13 23-2466	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	189.41 36.62	81.43
<b>23 21 13 23-2467 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-2369)</b>					
23 21	13 23-2468	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	20.91 4.73	10.54
23 21	13 23-2469	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	28.66 6.30	13.96
23 21	13 23-2470	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	37.36 7.81	17.38
23 21	13 23-2471	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters ..... <i>For Work In Restricted Working Space, Add</i>	55.24 11.05	24.61
23 21	13 23-2472	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters ..... <i>For Work In Restricted Working Space, Add</i>	64.11 12.47	27.73
23 21	13 23-2473	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	92.07 15.83	35.25
23 21	13 23-2474	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters ..... <i>For Work In Restricted Working Space, Add</i>	140.22 23.43	52.14
23 21	13 23-2475	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	172.71 30.83	68.55
23 21	13 23-2476	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	242.27 36.62	81.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 13 23-2477 Schedule 80 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2369)</b>		
23 21 13 23-2478 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	21.24	10.54
<i>For Work In Restricted Working Space, Add</i>	4.73	
<i>For Threaded Fittings, Add</i>	2.36	
23 21 13 23-2479 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	28.41	13.96
<i>For Work In Restricted Working Space, Add</i>	6.30	
<i>For Threaded Fittings, Add</i>	3.15	
23 21 13 23-2480 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	33.70	17.38
<i>For Work In Restricted Working Space, Add</i>	7.81	
<i>For Threaded Fittings, Add</i>	3.91	
23 21 13 23-2481 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings .....	48.58	24.61
<i>For Work In Restricted Working Space, Add</i>	11.05	
<i>For Threaded Fittings, Add</i>	5.53	
23 21 13 23-2482 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings .....	54.20	27.73
<i>For Work In Restricted Working Space, Add</i>	12.47	
<i>For Threaded Fittings, Add</i>	6.23	
23 21 13 23-2483 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	66.27	35.25
<i>For Work In Restricted Working Space, Add</i>	15.83	
<i>For Threaded Fittings, Add</i>	7.92	
23 21 13 23-2484 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings .....	111.49	52.14
<i>For Work In Restricted Working Space, Add</i>	23.43	
<i>For Threaded Fittings, Add</i>	11.72	
23 21 13 23-2485 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	141.16	68.55
<i>For Work In Restricted Working Space, Add</i>	30.83	
<i>For Threaded Fittings, Add</i>	15.42	
23 21 13 23-2486 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	170.18	81.43
<i>For Work In Restricted Working Space, Add</i>	36.62	
<i>For Threaded Fittings, Add</i>	18.31	
23 21 13 23-2487 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	242.97	93.05
<i>For Work In Restricted Working Space, Add</i>	41.85	
<i>For Threaded Fittings, Add</i>	20.92	
23 21 13 23-2488 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	303.59	108.58
<i>For Work In Restricted Working Space, Add</i>	48.82	
<i>For Threaded Fittings, Add</i>	24.41	
23 21 13 23-2489 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	590.68	116.39
<i>For Work In Restricted Working Space, Add</i>	52.33	
<i>For Threaded Fittings, Add</i>	26.16	
<b>23 21 13 23-2490 Schedule 80 Polyvinyl Chloride (PVC) Unions (23 21 13 23-2369)</b>		
23 21 13 23-2491 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	38.36	17.38
<i>For Work In Restricted Working Space, Add</i>	7.81	
23 21 13 23-2492 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	45.74	20.99
<i>For Work In Restricted Working Space, Add</i>	9.45	
23 21 13 23-2493 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	57.78	27.73
<i>For Work In Restricted Working Space, Add</i>	12.47	
23 21 13 23-2494 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	93.41	35.25
<i>For Work In Restricted Working Space, Add</i>	15.83	
23 21 13 23-2495 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	115.27	41.99
<i>For Work In Restricted Working Space, Add</i>	18.90	
23 21 13 23-2496 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	148.96	52.14
<i>For Work In Restricted Working Space, Add</i>	23.43	
23 21 13 23-2497 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	234.69	68.55
<i>For Work In Restricted Working Space, Add</i>	30.83	
23 21 13 23-2498 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	292.09	81.43
<i>For Work In Restricted Working Space, Add</i>	36.62	
23 21 13 23-2499 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	368.61	108.58
<i>For Work In Restricted Working Space, Add</i>	48.82	
23 21 13 23-2500 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	485.20	140.02
<i>For Work In Restricted Working Space, Add</i>	62.97	
23 21 13 23-2501 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	714.45	173.61
<i>For Work In Restricted Working Space, Add</i>	78.07	
23 21 13 23-2502 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Unions .....	1,071.30	215.20
<i>For Work In Restricted Working Space, Add</i>	96.79	
<b>23 21 13 23-2503 Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions (23 21 13 23-2369)</b>		
23 21 13 23-2504 EA 1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	39.46	21.69
23 21 13 23-2505 EA 3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	47.28	25.09
23 21 13 23-2506 EA 1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	57.39	29.59
23 21 13 23-2507 EA 1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union .....	77.52	35.25
23 21 13 23-2508 EA 1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union .....	93.49	41.99
23 21 13 23-2509 EA 2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	124.69	52.14
23 21 13 23-2510 EA 3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	269.48	101.06
23 21 13 23-2511 EA 4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	291.79	112.10
<b>23 21 13 23-2512 Schedule 80 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2369)</b>		
23 21 13 23-2513 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps .....	14.83	4.69
<i>For Work In Restricted Working Space, Add</i>	2.13	
<i>For Threaded Fittings, Add</i>	1.06	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2514	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps .....	17.62	6.25
			<i>For Work In Restricted Working Space, Add</i>	2.84	
			<i>For Threaded Fittings, Add</i>	1.42	
23 21	13 23-2515	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps .....	26.20	7.71
			<i>For Work In Restricted Working Space, Add</i>	3.51	
			<i>For Threaded Fittings, Add</i>	1.76	
23 21	13 23-2516	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps .....	34.06	10.94
			<i>For Work In Restricted Working Space, Add</i>	4.97	
			<i>For Threaded Fittings, Add</i>	2.49	
23 21	13 23-2517	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps .....	36.18	12.30
			<i>For Work In Restricted Working Space, Add</i>	5.61	
			<i>For Threaded Fittings, Add</i>	2.81	
23 21	13 23-2518	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps .....	49.97	15.72
			<i>For Work In Restricted Working Space, Add</i>	7.13	
			<i>For Threaded Fittings, Add</i>	3.56	
23 21	13 23-2519	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps .....	89.01	23.24
			<i>For Work In Restricted Working Space, Add</i>	10.55	
			<i>For Threaded Fittings, Add</i>	5.27	
23 21	13 23-2520	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps .....	112.10	30.56
			<i>For Work In Restricted Working Space, Add</i>	13.88	
			<i>For Threaded Fittings, Add</i>	6.94	
23 21	13 23-2521	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps .....	160.82	36.23
			<i>For Work In Restricted Working Space, Add</i>	16.48	
			<i>For Threaded Fittings, Add</i>	8.24	
23 21	13 23-2522	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps .....	325.85	41.40
			<i>For Work In Restricted Working Space, Add</i>	18.83	
			<i>For Threaded Fittings, Add</i>	9.42	
23 21	13 23-2523	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps .....	434.64	48.34
			<i>For Work In Restricted Working Space, Add</i>	21.97	
			<i>For Threaded Fittings, Add</i>	10.99	
23 21	13 23-2524	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps .....	774.63	72.06
			<i>For Work In Restricted Working Space, Add</i>	32.76	
			<i>For Threaded Fittings, Add</i>	16.38	
<b>23 21</b>	<b>13 23-2525</b>		<b>Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges</b> <small>(23 21 13 23-2369)</small>		
23 21	13 23-2526	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	49.93	17.38
			<i>For Work In Restricted Working Space, Add</i>	7.81	
			<i>For Threaded Fittings, Add</i>	3.91	
23 21	13 23-2527	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	57.14	20.99
			<i>For Work In Restricted Working Space, Add</i>	9.45	
			<i>For Threaded Fittings, Add</i>	4.73	
23 21	13 23-2528	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	70.11	27.73
			<i>For Work In Restricted Working Space, Add</i>	12.47	
			<i>For Threaded Fittings, Add</i>	6.23	
23 21	13 23-2529	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges .....	82.17	35.25
			<i>For Work In Restricted Working Space, Add</i>	15.83	
			<i>For Threaded Fittings, Add</i>	7.92	
23 21	13 23-2530	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges .....	93.04	41.99
			<i>For Work In Restricted Working Space, Add</i>	18.90	
			<i>For Threaded Fittings, Add</i>	9.45	
23 21	13 23-2531	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	118.07	52.14
			<i>For Work In Restricted Working Space, Add</i>	23.43	
			<i>For Threaded Fittings, Add</i>	11.72	
23 21	13 23-2532	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges .....	164.47	68.55
			<i>For Work In Restricted Working Space, Add</i>	30.83	
			<i>For Threaded Fittings, Add</i>	15.42	
23 21	13 23-2533	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	190.16	81.43
			<i>For Work In Restricted Working Space, Add</i>	36.62	
			<i>For Threaded Fittings, Add</i>	18.31	
23 21	13 23-2534	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	248.98	108.58
			<i>For Work In Restricted Working Space, Add</i>	48.82	
			<i>For Threaded Fittings, Add</i>	24.41	
23 21	13 23-2535	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	345.51	140.02
			<i>For Work In Restricted Working Space, Add</i>	62.97	
			<i>For Threaded Fittings, Add</i>	31.48	
23 21	13 23-2536	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	566.19	173.61
			<i>For Work In Restricted Working Space, Add</i>	78.07	
			<i>For Threaded Fittings, Add</i>	39.04	
23 21	13 23-2537	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	1,012.19	215.20
			<i>For Work In Restricted Working Space, Add</i>	96.79	
			<i>For Threaded Fittings, Add</i>	48.39	
<b>23 21</b>	<b>13 23-2538</b>		<b>Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe</b> <small>(23 21 13 23-2206)</small>		
			Note: In place pipe.		
23 21	13 23-2539	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	5.30	
			<i>For Work In Restricted Working Space, Add</i>	1.59	
23 21	13 23-2540	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe .....	5.72	
			<i>For Work In Restricted Working Space, Add</i>	1.72	
23 21	13 23-2541	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe .....	6.44	
			<i>For Work In Restricted Working Space, Add</i>	1.93	
23 21	13 23-2542	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	6.76	
			<i>For Work In Restricted Working Space, Add</i>	2.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2543 EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	7.15 2.15	
23 21 13 23-2544 EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	7.87 2.36	
23 21 13 23-2545 EA 2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	8.48 2.54	
23 21 13 23-2546 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	10.01 3.00	
23 21 13 23-2547 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	13.52 4.06	
23 21 13 23-2548 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	19.31 5.79	
23 21 13 23-2549 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	25.76 7.73	
23 21 13 23-2550 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	31.50 9.45	
<b>23 21 13 23-2551 Polyethylene Pipe And Fittings</b> <small>(23 21 13 23)</small>		
<b>23 21 13 23-2552 Small Diameter Tubing</b> <small>(23 21 13 23-2551)</small>		
<b>23 21 13 23-2553 Tubing</b> <small>(23 21 13 23-2552)</small>		
23 21 13 23-2554 LF 1/4" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	3.12 0.88	
23 21 13 23-2555 LF 5/16" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	3.33 0.90	
23 21 13 23-2556 LF 3/8" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	3.49 0.92	
23 21 13 23-2557 LF 1/2" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	3.63 0.99	
<b>23 21 13 23-2558 Chrome Plated Pipe</b> <small>(23 21 13 23)</small>		
<b>23 21 13 23-2559 Chrome Plated Nipples</b> <small>(23 21 13 23-2558)</small>		
<b>23 21 13 23-2560 Close</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2561 EA 1/4" Diameter Chrome Plated Nipple, Close.....	19.68	8.48
23 21 13 23-2562 EA 3/8" Diameter Chrome Plated Nipple, Close.....	18.57	9.23
23 21 13 23-2563 EA 1/2" Diameter Chrome Plated Nipple, Close.....	23.27	10.60
23 21 13 23-2564 EA 3/4" Diameter Chrome Plated Nipple, Close.....	30.64	13.46
23 21 13 23-2565 EA 1" Diameter Chrome Plated Nipple, Close.....	41.12	17.70
23 21 13 23-2566 EA 1-1/4" Diameter Chrome Plated Nipple, Close.....	58.31	24.70
23 21 13 23-2567 EA 1-1/2" Diameter Chrome Plated Nipple, Close.....	71.43	28.95
23 21 13 23-2568 EA 2" Diameter Chrome Plated Nipple, Close.....	92.38	36.05
<b>23 21 13 23-2569 1-1/2" Nipples</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2570 EA 1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	21.07	8.80
23 21 13 23-2571 EA 3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	19.64	9.54
23 21 13 23-2572 EA 1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	23.83	10.92
23 21 13 23-2573 EA 3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	31.76	13.78
<b>23 21 13 23-2574 2" Nipples</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2575 EA 1/4" Diameter, 2" Length, Chrome Plated Nipple.....	21.92	9.23
23 21 13 23-2576 EA 3/8" Diameter, 2" Length, Chrome Plated Nipple.....	20.31	9.86
23 21 13 23-2577 EA 1/2" Diameter, 2" Length, Chrome Plated Nipple.....	25.79	11.34
23 21 13 23-2578 EA 3/4" Diameter, 2" Length, Chrome Plated Nipple.....	33.42	14.11
23 21 13 23-2579 EA 1" Diameter, 2" Length, Chrome Plated Nipple.....	43.56	18.34
23 21 13 23-2580 EA 1-1/4" Diameter, 2" Length, Chrome Plated Nipple.....	62.42	25.45
23 21 13 23-2581 EA 1-1/2" Diameter, 2" Length, Chrome Plated Nipple.....	76.22	29.68
<b>23 21 13 23-2582 2-1/2" Nipples</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2583 EA 1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	23.23	9.54
23 21 13 23-2584 EA 3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	21.06	10.29
23 21 13 23-2585 EA 1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	26.93	11.67
23 21 13 23-2586 EA 3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	34.21	14.53
23 21 13 23-2587 EA 1" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	44.84	18.77
23 21 13 23-2588 EA 1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	66.45	25.76
23 21 13 23-2589 EA 1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	81.64	30.00
23 21 13 23-2590 EA 2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	104.13	37.11
<b>23 21 13 23-2591 3" Nipples</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2592 EA 1/4" Diameter, 3" Length, Chrome Plated Nipple.....	24.21	9.86
23 21 13 23-2593 EA 3/8" Diameter, 3" Length, Chrome Plated Nipple.....	22.37	10.60
23 21 13 23-2594 EA 1/2" Diameter, 3" Length, Chrome Plated Nipple.....	26.64	11.34
23 21 13 23-2595 EA 3/4" Diameter, 3" Length, Chrome Plated Nipple.....	37.14	14.84
23 21 13 23-2596 EA 1" Diameter, 3" Length, Chrome Plated Nipple.....	50.89	19.08

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2597	EA	1-1/4" Diameter, 3" Length, Chrome Plated Nipple.....	70.87	26.19
23 21	13 23-2598	EA	1-1/2" Diameter, 3" Length, Chrome Plated Nipple.....	94.51	30.43
23 21	13 23-2599	EA	2" Diameter, 3" Length, Chrome Plated Nipple.....	114.20	37.53
<b>23 21</b>	<b>13 23-2600</b>		<b>3-1/2" Nipples (23 21 13 23-2559)</b>		
23 21	13 23-2601	EA	1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	25.34	10.29
23 21	13 23-2602	EA	3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	24.68	10.92
23 21	13 23-2603	EA	1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	29.38	12.40
23 21	13 23-2604	EA	3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	41.50	15.16
23 21	13 23-2605	EA	1" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	53.17	19.40
23 21	13 23-2606	EA	1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	79.62	26.51
23 21	13 23-2607	EA	1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	98.32	30.75
23 21	13 23-2608	EA	2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	122.21	37.85
<b>23 21</b>	<b>13 23-2609</b>		<b>4" Nipples (23 21 13 23-2559)</b>		
23 21	13 23-2610	EA	1/4" Diameter, 4" Length, Chrome Plated Nipple.....	26.45	10.60
23 21	13 23-2611	EA	3/8" Diameter, 4" Length, Chrome Plated Nipple.....	25.27	11.34
23 21	13 23-2612	EA	1/2" Diameter, 4" Length, Chrome Plated Nipple.....	29.76	11.98
23 21	13 23-2613	EA	3/4" Diameter, 4" Length, Chrome Plated Nipple.....	43.17	15.59
23 21	13 23-2614	EA	1" Diameter, 4" Length, Chrome Plated Nipple.....	55.34	19.83
23 21	13 23-2615	EA	1-1/4" Diameter, 4" Length, Chrome Plated Nipple.....	86.27	26.82
23 21	13 23-2616	EA	1-1/2" Diameter, 4" Length, Chrome Plated Nipple.....	106.21	31.06
23 21	13 23-2617	EA	2" Diameter, 4" Length, Chrome Plated Nipple.....	131.99	38.17
<b>23 21</b>	<b>13 23-2618</b>		<b>4-1/2" Nipples (23 21 13 23-2559)</b>		
23 21	13 23-2619	EA	1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	27.44	10.92
23 21	13 23-2620	EA	3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	27.58	11.67
23 21	13 23-2621	EA	1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	32.66	13.04
23 21	13 23-2622	EA	3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	45.09	15.90
23 21	13 23-2623	EA	1" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	63.04	20.14
23 21	13 23-2624	EA	1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	92.65	27.24
23 21	13 23-2625	EA	1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	109.69	31.49
23 21	13 23-2626	EA	2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	140.99	38.59
<b>23 21</b>	<b>13 23-2627</b>		<b>5" Nipples (23 21 13 23-2559)</b>		
23 21	13 23-2628	EA	1/4" Diameter, 5" Length, Chrome Plated Nipple.....	31.04	11.34
23 21	13 23-2629	EA	3/8" Diameter, 5" Length, Chrome Plated Nipple.....	28.99	11.98
23 21	13 23-2630	EA	1/2" Diameter, 5" Length, Chrome Plated Nipple.....	33.87	13.46
23 21	13 23-2631	EA	3/4" Diameter, 5" Length, Chrome Plated Nipple.....	46.93	16.22
23 21	13 23-2632	EA	1" Diameter, 5" Length, Chrome Plated Nipple.....	67.70	20.46
23 21	13 23-2633	EA	1-1/4" Diameter, 5" Length, Chrome Plated Nipple.....	98.43	27.57
23 21	13 23-2634	EA	1-1/2" Diameter, 5" Length, Chrome Plated Nipple.....	117.62	31.81
23 21	13 23-2635	EA	2" Diameter, 5" Length, Chrome Plated Nipple.....	146.77	38.91
<b>23 21</b>	<b>13 23-2636</b>		<b>5-1/2" Nipples (23 21 13 23-2559)</b>		
23 21	13 23-2637	EA	1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	32.06	11.67
23 21	13 23-2638	EA	3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	30.08	12.40
23 21	13 23-2639	EA	1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	37.46	13.78
23 21	13 23-2640	EA	3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	48.77	16.64
23 21	13 23-2641	EA	1" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	70.08	20.89
23 21	13 23-2642	EA	1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	105.46	27.89
23 21	13 23-2643	EA	1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	123.92	32.12
23 21	13 23-2644	EA	2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	154.15	39.23
<b>23 21</b>	<b>13 23-2645</b>		<b>6" Nipples (23 21 13 23-2559)</b>		
23 21	13 23-2646	EA	1/4" Diameter, 6" Length, Chrome Plated Nipple.....	33.27	11.98
23 21	13 23-2647	EA	3/8" Diameter, 6" Length, Chrome Plated Nipple.....	30.64	12.73
23 21	13 23-2648	EA	1/2" Diameter, 6" Length, Chrome Plated Nipple.....	38.57	14.11
23 21	13 23-2649	EA	3/4" Diameter, 6" Length, Chrome Plated Nipple.....	50.25	16.97
23 21	13 23-2650	EA	1" Diameter, 6" Length, Chrome Plated Nipple.....	77.55	21.21
23 21	13 23-2651	EA	1-1/4" Diameter, 6" Length, Chrome Plated Nipple.....	109.74	28.31
23 21	13 23-2652	EA	1-1/2" Diameter, 6" Length, Chrome Plated Nipple.....	133.68	32.55
23 21	13 23-2653	EA	2" Diameter, 6" Length, Chrome Plated Nipple.....	160.92	39.66
<b>23 21</b>	<b>13 23-2654</b>		<b>8" Nipples (23 21 13 23-2559)</b>		
23 21	13 23-2655	EA	3/8" Diameter, 8" Length, Chrome Plated Nipple.....	37.16	13.46
23 21	13 23-2656	EA	1/2" Diameter, 8" Length, Chrome Plated Nipple.....	56.66	14.84
23 21	13 23-2657	EA	3/4" Diameter, 8" Length, Chrome Plated Nipple.....	69.01	17.70
23 21	13 23-2658	EA	1" Diameter, 8" Length, Chrome Plated Nipple.....	92.27	21.94
23 21	13 23-2659	EA	1-1/4" Diameter, 8" Length, Chrome Plated Nipple.....	133.24	28.95
23 21	13 23-2660	EA	1-1/2" Diameter, 8" Length, Chrome Plated Nipple.....	164.48	33.19
23 21	13 23-2661	EA	2" Diameter, 8" Length, Chrome Plated Nipple.....	202.90	40.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 13 23-2662</b> <b>10" Nipples</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2663 EA 3/8" Diameter, 10" Length, Chrome Plated Nipple.....	43.59	13.46
23 21 13 23-2664 EA 1/2" Diameter, 10" Length, Chrome Plated Nipple.....	64.75	14.84
23 21 13 23-2665 EA 3/4" Diameter, 10" Length, Chrome Plated Nipple.....	78.39	17.70
23 21 13 23-2666 EA 1" Diameter, 10" Length, Chrome Plated Nipple.....	106.46	21.94
23 21 13 23-2667 EA 1-1/4" Diameter, 10" Length, Chrome Plated Nipple.....	163.61	28.95
23 21 13 23-2668 EA 1-1/2" Diameter, 10" Length, Chrome Plated Nipple.....	187.61	33.19
23 21 13 23-2669 EA 2" Diameter, 10" Length, Chrome Plated Nipple.....	239.89	40.29
<b>23 21 13 23-2670</b> <b>12" Nipples</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2671 EA 3/8" Diameter, 12" Length, Chrome Plated Nipple.....	48.68	14.84
23 21 13 23-2672 EA 1/2" Diameter, 12" Length, Chrome Plated Nipple.....	67.78	15.59
23 21 13 23-2673 EA 3/4" Diameter, 12" Length, Chrome Plated Nipple.....	86.98	18.34
23 21 13 23-2674 EA 1" Diameter, 12" Length, Chrome Plated Nipple.....	125.82	23.32
23 21 13 23-2675 EA 1-1/4" Diameter, 12" Length, Chrome Plated Nipple.....	184.30	30.43
23 21 13 23-2676 EA 2" Diameter, 12" Length, Chrome Plated Nipple.....	271.60	41.77
<b>23 21 13 23-2677</b> <b>18" Nipples</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2678 EA 3/8" Diameter, 18" Length, Chrome Plated Nipple.....	63.26	15.59
<b>23 21 13 23-2679</b> <b>24" Nipples</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2680 EA 3/8" Diameter, 24" Length, Chrome Plated Nipple.....	77.20	16.22
<b>23 21 13 23-2681</b> <b>30" Nipples</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2682 EA 3/8" Diameter, 30" Length, Chrome Plated Nipple.....	86.01	16.97
<b>23 21 13 23-2683</b> <b>36" Nipples</b> <small>(23 21 13 23-2559)</small>		
23 21 13 23-2684 EA 3/8" Diameter, 36" Length, Chrome Plated Nipple.....	94.83	17.70
<b>23 21 13 23-2685</b> <b>Chrome Plated Fittings</b> <small>(23 21 13 23-2558)</small>		
<b>23 21 13 23-2686</b> <b>Chrome Plated 90 Degree Elbows</b> <small>(23 21 13 23-2685)</small>		
23 21 13 23-2687 EA 1/4" 90 Degree Elbow, Chrome Plated.....	25.65	9.86
23 21 13 23-2688 EA 3/8" 90 Degree Elbow, Chrome Plated.....	26.02	10.60
23 21 13 23-2689 EA 1/2" 90 Degree Elbow, Chrome Plated.....	29.47	11.34
23 21 13 23-2690 EA 3/4" 90 Degree Elbow, Chrome Plated.....	37.49	14.84
23 21 13 23-2691 EA 1" 90 Degree Elbow, Chrome Plated.....	51.21	19.08
23 21 13 23-2692 EA 1-1/4" 90 Degree Elbow, Chrome Plated.....	79.73	26.19
23 21 13 23-2693 EA 1-1/2" 90 Degree Elbow, Chrome Plated.....	96.08	30.43
23 21 13 23-2694 EA 2" 90 Degree Elbow, Chrome Plated.....	132.76	37.53
<b>23 21 13 23-2695</b> <b>Chrome Plated Street 90 Degree Elbows</b> <small>(23 21 13 23-2685)</small>		
23 21 13 23-2696 EA 1/4" Street 90 Degree Elbow, Chrome Plated.....	30.18	9.86
23 21 13 23-2697 EA 3/8" Street 90 Degree Elbow, Chrome Plated.....	31.00	10.60
23 21 13 23-2698 EA 1/2" Street 90 Degree Elbow, Chrome Plated.....	32.93	11.34
23 21 13 23-2699 EA 3/4" Street 90 Degree Elbow, Chrome Plated.....	42.58	14.84
23 21 13 23-2700 EA 1" Street 90 Degree Elbow, Chrome Plated.....	60.61	19.08
23 21 13 23-2701 EA 1-1/4" Street 90 Degree Elbow, Chrome Plated.....	89.36	26.19
23 21 13 23-2702 EA 1-1/2" Street 90 Degree Elbow, Chrome Plated.....	109.58	30.43
23 21 13 23-2703 EA 2" Street 90 Degree Elbow, Chrome Plated.....	164.54	37.53
<b>23 21 13 23-2704</b> <b>Chrome Plated 45 Degree Elbows</b> <small>(23 21 13 23-2685)</small>		
23 21 13 23-2705 EA 1/4" 45 Degree Elbow, Chrome Plated.....	26.65	9.86
23 21 13 23-2706 EA 3/8" 45 Degree Elbow, Chrome Plated.....	27.46	10.60
23 21 13 23-2707 EA 1/2" 45 Degree Elbow, Chrome Plated.....	30.50	11.34
23 21 13 23-2708 EA 3/4" 45 Degree Elbow, Chrome Plated.....	41.38	14.84
23 21 13 23-2709 EA 1" 45 Degree Elbow, Chrome Plated.....	55.57	19.08
23 21 13 23-2710 EA 1-1/4" 45 Degree Elbow, Chrome Plated.....	84.95	26.19
23 21 13 23-2711 EA 1-1/2" 45 Degree Elbow, Chrome Plated.....	103.07	30.43
23 21 13 23-2712 EA 2" 45 Degree Elbow, Chrome Plated.....	151.98	37.53
<b>23 21 13 23-2713</b> <b>Chrome Plated Street 45 Degree Elbows</b> <small>(23 21 13 23-2685)</small>		
23 21 13 23-2714 EA 1/2" Street 45 Degree Elbow, Chrome Plated.....	36.72	11.34
<b>23 21 13 23-2715</b> <b>Chrome Plated Couplings</b> <small>(23 21 13 23-2685)</small>		
23 21 13 23-2716 EA 1/4" Coupling, Chrome Plated.....	25.04	9.86
23 21 13 23-2717 EA 3/8" Coupling, Chrome Plated.....	26.11	10.60

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2718	EA	1/2" Coupling, Chrome Plated.....	29.73	11.34
23 21	13 23-2719	EA	3/4" Coupling, Chrome Plated.....	37.59	14.84
23 21	13 23-2720	EA	1" Coupling, Chrome Plated.....	49.06	19.08
23 21	13 23-2721	EA	1-1/4" Coupling, Chrome Plated.....	71.89	26.19
23 21	13 23-2722	EA	1-1/2" Coupling, Chrome Plated.....	89.52	30.43
23 21	13 23-2723	EA	2" Coupling, Chrome Plated.....	124.75	37.53
<b>23 21</b>	<b>13 23-2724</b>		<b>Chrome Plated Unions (23 21 13 23-2685)</b>		
23 21	13 23-2725	EA	1/4" Union, Chrome Plated.....	41.59	11.34
23 21	13 23-2726	EA	3/8" Union, Chrome Plated.....	42.66	11.98
23 21	13 23-2727	EA	1/2" Union, Chrome Plated.....	51.90	13.46
23 21	13 23-2728	EA	3/4" Union, Chrome Plated.....	64.06	17.70
23 21	13 23-2729	EA	1" Union, Chrome Plated.....	80.93	22.58
23 21	13 23-2730	EA	1-1/4" Union, Chrome Plated.....	133.12	30.43
23 21	13 23-2731	EA	1-1/2" Union, Chrome Plated.....	166.29	36.05
23 21	13 23-2732	EA	2" Union, Chrome Plated.....	217.98	43.90
<b>23 21</b>	<b>13 23-2733</b>		<b>Chrome Plated Caps (23 21 13 23-2685)</b>		
23 21	13 23-2734	EA	1/4" Cap, Chrome Plated.....	17.37	4.99
23 21	13 23-2735	EA	3/8" Cap, Chrome Plated.....	17.89	5.30
23 21	13 23-2736	EA	1/2" Cap, Chrome Plated.....	20.55	5.62
23 21	13 23-2737	EA	3/4" Cap, Chrome Plated.....	25.52	7.43
23 21	13 23-2738	EA	1" Cap, Chrome Plated.....	30.12	9.54
23 21	13 23-2739	EA	1-1/4" Cap, Chrome Plated.....	44.75	13.04
23 21	13 23-2740	EA	1-1/2" Cap, Chrome Plated.....	59.57	15.16
23 21	13 23-2741	EA	2" Cap, Chrome Plated.....	87.82	19.83
<b>23 21</b>	<b>13 23-2742</b>		<b>Chrome Plated Plugs (23 21 13 23-2685)</b>		
23 21	13 23-2743	EA	1/4" Plug, Chrome Plated.....	13.91	4.99
23 21	13 23-2744	EA	3/8" Plug, Chrome Plated.....	14.43	5.30
23 21	13 23-2745	EA	1/2" Plug, Chrome Plated.....	16.91	5.62
23 21	13 23-2746	EA	3/4" Plug, Chrome Plated.....	22.93	7.43
23 21	13 23-2747	EA	1" Plug, Chrome Plated.....	28.14	9.54
23 21	13 23-2748	EA	1-1/4" Plug, Chrome Plated.....	37.94	13.04
23 21	13 23-2749	EA	1-1/2" Plug, Chrome Plated.....	47.10	15.16
23 21	13 23-2750	EA	2" Plug, Chrome Plated.....	66.12	19.83
<b>23 21</b>	<b>13 23-2751</b>		<b>Chrome Plated Tees (23 21 13 23-2685)</b>		
23 21	13 23-2752	EA	1/4" Chrome Plated Tee.....	35.31	14.84
23 21	13 23-2753	EA	3/8" Chrome Plated Tee.....	37.42	16.22
23 21	13 23-2754	EA	1/2" Chrome Plated Tee.....	41.85	17.70
23 21	13 23-2755	EA	3/4" Chrome Plated Tee.....	52.16	21.94
23 21	13 23-2756	EA	1" Chrome Plated Tee.....	75.04	28.31
23 21	13 23-2757	EA	1-1/4" Chrome Plated Tee.....	103.48	38.91
23 21	13 23-2758	EA	1-1/2" Chrome Plated Tee.....	133.87	45.27
23 21	13 23-2759	EA	2" Chrome Plated Tee.....	185.57	55.88
<b>23 21</b>	<b>13 23-2760</b>		<b>Chrome Plated Reducing 90 Degree Elbows (23 21 13 23-2685)</b>		
23 21	13 23-2761	EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated.....	39.55	17.70
23 21	13 23-2762	EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated.....	45.91	21.94
<b>23 21</b>	<b>13 23-2763</b>		<b>Chrome Plated Bell Reducers (23 21 13 23-2685)</b>		
23 21	13 23-2764	EA	1/2" x 3/8" Bell Reducer, Chrome Plated.....	43.72	17.70
23 21	13 23-2765	EA	3/4" x 1/2" Bell Reducer, Chrome Plated.....	53.11	21.94
23 21	13 23-2766	EA	1" x 1/2" Bell Reducer, Chrome Plated.....	67.33	28.31
<b>23 21</b>	<b>13 23-2767</b>		<b>Chrome Plated Reducing Tees (23 21 13 23-2685)</b>		
23 21	13 23-2768	EA	3/4" x 1/2" Reducing Tee, Chrome Plated.....	58.41	21.94
<b>23 21</b>	<b>13 23-2769</b>		<b>Chrome Plated Bushings (23 21 13 23-2685)</b>		
23 21	13 23-2770	EA	3/8" x 1/4" Bushing, Chrome Plated.....	13.81	4.99
23 21	13 23-2771	EA	1/2" x 1/4" Bushing, Chrome Plated.....	14.87	5.30
23 21	13 23-2772	EA	1/2" x 3/8" Bushing, Chrome Plated.....	15.40	5.62
23 21	13 23-2773	EA	3/4" x 1/2" Bushing, Chrome Plated.....	19.50	7.43
23 21	13 23-2774	EA	1" x 3/4" Bushing, Chrome Plated.....	28.81	9.54
23 21	13 23-2775	EA	1-1/4" x 1" Bushing, Chrome Plated.....	42.42	13.04
<b>23 21</b>	<b>13 23-2776</b>		<b>Aluminum Tubing Assemblies (23 21 13 23)</b>		
			Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2777 LF 1/8" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	9.03	3.71
23 21 13 23-2778 LF 3/16" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	10.30	4.24
23 21 13 23-2779 LF 1/4" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	11.47	4.78
23 21 13 23-2780 LF 5/16" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	12.58	5.30
23 21 13 23-2781 LF 3/8" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	13.93	5.83
23 21 13 23-2782 LF 1/2" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	15.87	6.36
23 21 13 23-2783 LF 5/8" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	18.54	7.32
23 21 13 23-2784 LF 3/4" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	22.58	8.30
23 21 13 23-2785 LF 7/8" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	26.06	9.27
23 21 13 23-2786 LF 1" Inside Diameter Aluminum Pipe/Tubing Assembly .....	30.76	9.77
 <b>23 21 16 Hydronic Piping Specialties (23 21)</b>		
<b>23 21 16 00-0001 Vent Valves (23 21 16)</b>		
23 21 16 00-0002 EA 1/8", 1.5 PSIG Operating Pressure, Non Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A) .....	75.18	15.91
23 21 16 00-0003 EA 1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74).....	184.09	17.11
23 21 16 00-0004 EA 1/2" x 3/4", 3 PSIG Operating Pressure, Non Vacuum Main Steam Air Vent Valve (Hoffman 75).....	175.40	17.11
23 21 16 00-0005 EA 1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H) .....	181.48	17.11
23 21 16 00-0006 EA 3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78) .....	234.73	17.11
23 21 16 00-0007 EA 1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79) .....	173.00	17.11
 <b>23 21 16 00-0008 Threaded Inlet, Drip-Pan Elbow (23 21 16)</b>		
<b>23 21 16 00-0009 Cast Iron, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)</b>		
23 21 16 00-0010 EA 2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	291.40	26.75
<i>For Flanged Inlet, Add</i>	126.11	
23 21 16 00-0011 EA 3" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	326.91	31.71
<i>For Flanged Inlet, Add</i>	135.37	
23 21 16 00-0012 EA 3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	416.45	36.66
<i>For Flanged Inlet, Add</i>	182.63	
23 21 16 00-0013 EA 4" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	640.46	41.61
<i>For Flanged Inlet, Add</i>	321.33	
23 21 16 00-0014 EA 5" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	720.51	49.54
<i>For Flanged Inlet, Add</i>	355.21	
23 21 16 00-0015 EA 6" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	1,011.06	62.41
<i>For Flanged Inlet, Add</i>	519.10	
23 21 16 00-0016 EA 8" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	2,361.58	82.22
<i>For Flanged Inlet, Add</i>	1,381.31	
 <b>23 21 16 00-0017 Cast Steel, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)</b>		
23 21 16 00-0018 EA 2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	559.56	26.75
<i>For Flanged Inlet, Add</i>	308.45	
23 21 16 00-0019 EA 3" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	677.48	31.71
<i>For Flanged Inlet, Add</i>	373.76	
23 21 16 00-0020 EA 3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	967.03	36.66
<i>For Flanged Inlet, Add</i>	557.03	
23 21 16 00-0021 EA 4" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	987.08	41.61
<i>For Flanged Inlet, Add</i>	557.03	
23 21 16 00-0022 EA 5" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	1,420.34	49.54
<i>For Flanged Inlet, Add</i>	831.10	
23 21 16 00-0023 EA 6" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	1,469.88	62.41
<i>For Flanged Inlet, Add</i>	831.10	
23 21 16 00-0024 EA 8" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	2,429.05	82.22
<i>For Flanged Inlet, Add</i>	1,427.19	
 <b>23 21 16 00-0025 Y-Type Strainers (23 21 16)</b>		
<b>23 21 16 00-0026 Screwed Ends, 250 LB, Iron Body, Y-Type Strainers (23 21 16 00-0025)</b>		
23 21 16 00-0027 EA 1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	75.87	11.88
<i>For Work In Restricted Working Space, Add</i>	10.18	
<i>For Galvanized Body, Add</i>	20.97	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0028	EA		1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	76.40	12.10
			<i>For Work In Restricted Working Space, Add</i>	10.34	
			<i>For Galvanized Body, Add</i>	20.97	
23 21 16 00-0029	EA		3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	96.71	16.34
			<i>For Work In Restricted Working Space, Add</i>	14.00	
			<i>For Galvanized Body, Add</i>	25.02	
23 21 16 00-0030	EA		1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	123.31	19.51
			<i>For Work In Restricted Working Space, Add</i>	16.71	
			<i>For Galvanized Body, Add</i>	33.81	
23 21 16 00-0031	EA		1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	161.59	24.13
			<i>For Work In Restricted Working Space, Add</i>	20.69	
			<i>For Galvanized Body, Add</i>	46.32	
23 21 16 00-0032	EA		1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	185.83	25.99
			<i>For Work In Restricted Working Space, Add</i>	22.28	
			<i>For Galvanized Body, Add</i>	55.79	
23 21 16 00-0033	EA		2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	256.61	29.69
			<i>For Work In Restricted Working Space, Add</i>	25.46	
			<i>For Galvanized Body, Add</i>	85.88	
23 21 16 00-0034	EA		2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	492.19	37.12
			<i>For Work In Restricted Working Space, Add</i>	31.82	
			<i>For Galvanized Body, Add</i>	193.06	
23 21 16 00-0035	EA		3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	637.05	46.46
			<i>For Work In Restricted Working Space, Add</i>	39.78	
			<i>For Galvanized Body, Add</i>	252.23	
<b>23 21 16 00-0036</b>			<b>Flanged, 125 LB, Iron Body , Y-Type Strainers (23 21 16 00-0025)</b>		
23 21 16 00-0037	EA		1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	284.49	111.37
			<i>For Work In Restricted Working Space, Add</i>	41.87	
			<i>For Galvanized Body, Add</i>	72.47	
23 21 16 00-0038	EA		2" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	333.62	141.39
			<i>For Work In Restricted Working Space, Add</i>	53.03	
			<i>For Galvanized Body, Add</i>	78.42	
23 21 16 00-0039	EA		3" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	599.57	180.32
			<i>For Work In Restricted Working Space, Add</i>	67.70	
			<i>For Galvanized Body, Add</i>	186.95	
23 21 16 00-0040	EA		4" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	803.11	302.30
			<i>For Work In Restricted Working Space, Add</i>	113.65	
			<i>For Galvanized Body, Add</i>	212.15	
23 21 16 00-0041	EA		5" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	854.73	304.51
			<i>For Work In Restricted Working Space, Add</i>	114.02	
			<i>For Galvanized Body, Add</i>	237.34	
23 21 16 00-0042	EA		6" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	1,013.97	338.35
			<i>For Work In Restricted Working Space, Add</i>	127.33	
			<i>For Galvanized Body, Add</i>	294.77	
23 21 16 00-0043	EA		8" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	1,698.14	432.33
			<i>For Work In Restricted Working Space, Add</i>	161.12	
			<i>For Galvanized Body, Add</i>	580.55	
23 21 16 00-0044	EA		10" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	3,245.74	526.31
			<i>For Work In Restricted Working Space, Add</i>	197.36	
			<i>For Galvanized Body, Add</i>	1,293.93	
23 21 16 00-0045	EA		12" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	3,630.64	469.92
			<i>For Work In Restricted Working Space, Add</i>	281.95	
			<i>For Galvanized Body, Add</i>	1,345.40	
<b>23 21 16 00-0046</b>			<b>Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025)</b>		
			Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0047	EA		1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	64.01	12.10
			<i>For Work In Restricted Working Space, Add</i>	10.34	
			<i>For 300 LB Rating, Add</i>	50.22	
23 21 16 00-0048	EA		3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	85.07	16.34
			<i>For Work In Restricted Working Space, Add</i>	14.00	
			<i>For 300 LB Rating, Add</i>	65.28	
23 21 16 00-0049	EA		1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	104.06	19.51
			<i>For Work In Restricted Working Space, Add</i>	16.71	
			<i>For 300 LB Rating, Add</i>	82.23	
23 21 16 00-0050	EA		1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	129.51	24.13
			<i>For Work In Restricted Working Space, Add</i>	20.69	
			<i>For 300 LB Rating, Add</i>	102.95	
23 21 16 00-0051	EA		1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	152.90	25.99
			<i>For Work In Restricted Working Space, Add</i>	22.28	
			<i>For 300 LB Rating, Add</i>	133.71	
23 21 16 00-0052	EA		2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	212.61	29.69
			<i>For Work In Restricted Working Space, Add</i>	25.46	
			<i>For 300 LB Rating, Add</i>	217.19	
23 21 16 00-0053	EA		2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	316.92	37.12
			<i>For Work In Restricted Working Space, Add</i>	31.82	
			<i>For 300 LB Rating, Add</i>	358.45	
23 21 16 00-0054	EA		3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	569.76	46.46
			<i>For Work In Restricted Working Space, Add</i>	39.78	
			<i>For 300 LB Rating, Add</i>	743.19	
23 21 16 00-0055	EA		4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	988.78	55.69
			<i>For Work In Restricted Working Space, Add</i>	47.73	
			<i>For 300 LB Rating, Add</i>	1,410.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 16 00-0056 Flanged, 150 LB, Bronze Body, Y-Type Strainers</b> (23 21 16 00-0025)		
Note: With bolted cap.		
23 21 16 00-0057 EA 2" Flanged, 150 LB, Bronze Body, Y-Type Strainer.....	543.75	141.39
For Work In Restricted Working Space, Add	53.03	
For 300 LB Rating, Add	220.18	
23 21 16 00-0058 EA 2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer.....	566.74	153.80
For Work In Restricted Working Space, Add	57.86	
For 300 LB Rating, Add	224.33	
23 21 16 00-0059 EA 3" Flanged, 150 LB, Bronze Body, Y-Type Strainer.....	653.82	180.32
For Work In Restricted Working Space, Add	67.70	
For 300 LB Rating, Add	256.88	
23 21 16 00-0060 EA 4" Flanged, 150 LB, Bronze Body, Y-Type Strainer.....	1,419.12	302.30
For Work In Restricted Working Space, Add	113.65	
For 300 LB Rating, Add	624.18	
23 21 16 00-0061 EA 6" Flanged, 150 LB, Bronze Body, Y-Type Strainer.....	2,001.36	338.35
For Work In Restricted Working Space, Add	127.33	
For 300 LB Rating, Add	946.15	
23 21 16 00-0062 EA 8" Flanged, 150 LB, Bronze Body, Y-Type Strainer.....	3,228.18	432.33
For Work In Restricted Working Space, Add	161.12	
For 300 LB Rating, Add	1,614.68	
23 21 16 00-0063 EA 10" Flanged, 150 LB, Bronze Body, Y-Type Strainer.....	10,316.72	526.31
For Work In Restricted Working Space, Add	197.36	
For 300 LB Rating, Add	5,795.30	
<b>23 21 16 00-0064 Class 125, Crimped Bronze Body, Y-Type Strainers</b> (23 21 16 00-0025)		
Note: Nibco®		
23 21 16 00-0065 EA 1/2" Class 125, Crimped Bronze Body, Y-Type Strainer.....	156.14	10.60
For Work In Restricted Working Space, Add	7.16	
23 21 16 00-0066 EA 3/4" Class 125, Crimped Bronze Body, Y-Type Strainer.....	180.92	11.67
For Work In Restricted Working Space, Add	8.15	
23 21 16 00-0067 EA 1" Class 125, Crimped Bronze Body, Y-Type Strainer.....	258.15	13.25
For Work In Restricted Working Space, Add	9.74	
23 21 16 00-0068 EA 1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer.....	346.88	14.11
For Work In Restricted Working Space, Add	10.74	
23 21 16 00-0069 EA 1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer.....	417.96	16.33
For Work In Restricted Working Space, Add	11.93	
23 21 16 00-0070 EA 2" Class 125, Crimped Bronze Body, Y-Type Strainer.....	620.06	19.29
For Work In Restricted Working Space, Add	14.31	
<b>23 21 16 00-0071 250 PSI, Crimped Bronze Body, Y-Type Strainers</b> (23 21 16 00-0025)		
23 21 16 00-0072 EA 1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	69.12	10.60
23 21 16 00-0073 EA 3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	84.24	11.67
23 21 16 00-0074 EA 1" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	122.99	13.25
23 21 16 00-0075 EA 1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	150.09	14.11
23 21 16 00-0076 EA 1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	178.91	16.33
23 21 16 00-0077 EA 2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	234.66	19.29
<b>23 21 16 00-0078 Cast Iron Body, Suction Diffusers</b> (23 21 16)		
Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21 16 00-0079 EA 2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser.....	532.10	41.79
For Work In Restricted Working Space, Add	20.46	
23 21 16 00-0080 EA 2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser.....	558.21	46.36
For Work In Restricted Working Space, Add	22.73	
23 21 16 00-0081 EA 2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser.....	566.67	48.68
For Work In Restricted Working Space, Add	23.87	
23 21 16 00-0082 EA 2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	1,064.97	153.80
For Work In Restricted Working Space, Add	57.86	
23 21 16 00-0083 EA 3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser.....	584.16	56.64
For Work In Restricted Working Space, Add	27.73	
23 21 16 00-0084 EA 3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser.....	663.02	56.64
For Work In Restricted Working Space, Add	27.73	
23 21 16 00-0085 EA 3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	1,113.86	167.41
For Work In Restricted Working Space, Add	62.78	
23 21 16 00-0086 EA 3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	1,134.92	180.32
For Work In Restricted Working Space, Add	67.70	
23 21 16 00-0087 EA 4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	1,373.85	241.80
For Work In Restricted Working Space, Add	90.68	
23 21 16 00-0088 EA 4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	1,612.78	302.30
For Work In Restricted Working Space, Add	113.65	
23 21 16 00-0089 EA 6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	1,855.24	304.04
For Work In Restricted Working Space, Add	114.02	
23 21 16 00-0090 EA 6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	2,247.55	338.35
For Work In Restricted Working Space, Add	127.33	
23 21 16 00-0091 EA 8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	2,531.80	432.33
For Work In Restricted Working Space, Add	161.12	
23 21 16 00-0092 EA 8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	3,965.24	432.33
For Work In Restricted Working Space, Add	161.12	
23 21 16 00-0093 EA 10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	4,522.13	526.31
For Work In Restricted Working Space, Add	197.36	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0094 EA 10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser ..... <i>For Work In Restricted Working Space, Add</i>	5,306.12 197.36	526.31
<b>23 21 16 00-0095 Duplex Strainers (23 21 16)</b>		
<b>23 21 16 00-0096 Iron Body, Duplex Strainers (23 21 16 00-0095)</b>		
<b>23 21 16 00-0097 Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0095)</b> Note: With brass or stainless steel basket.		
23 21 16 00-0098 EA 3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	806.15 15.86	26.41
23 21 16 00-0099 EA 1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	900.11 18.15	30.23
23 21 16 00-0100 EA 1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,220.58 21.31	35.53
23 21 16 00-0101 EA 1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,536.93 23.23	38.72
23 21 16 00-0102 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	2,060.33 28.41	47.20
23 21 16 00-0103 EA 2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	2,592.62 36.27	60.46
<b>23 21 16 00-0104 Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0096)</b> Note: With brass or stainless steel basket.		
23 21 16 00-0105 EA 2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,805.45 53.03	141.39
23 21 16 00-0106 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	2,899.99 57.86	153.80
23 21 16 00-0107 EA 3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,717.49 67.70	180.32
23 21 16 00-0108 EA 4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	5,828.40 100.70	267.85
23 21 16 00-0109 EA 6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	11,409.92 127.33	338.35
23 21 16 00-0110 EA 8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	21,723.34 161.12	432.33
23 21 16 00-0111 EA 10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	30,004.82 197.36	526.31
23 21 16 00-0112 EA 12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	33,970.03 398.24	663.53
23 21 16 00-0113 EA 14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	40,487.59 281.95	751.87
23 21 16 00-0114 EA 16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	50,625.44 310.15	827.05
<b>23 21 16 00-0115 Bronze Body, Duplex Strainers (23 21 16 00-0095)</b>		
<b>23 21 16 00-0116 Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers (23 21 16 00-0115)</b> Note: With brass or stainless steel basket.		
23 21 16 00-0117 EA 3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,504.51 15.86	26.52
23 21 16 00-0118 EA 1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,669.10 18.15	30.23
23 21 16 00-0119 EA 1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	2,444.68 21.31	35.53
23 21 16 00-0120 EA 1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	3,216.14 23.23	38.72
23 21 16 00-0121 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	4,155.42 28.41	47.20
23 21 16 00-0122 EA 2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	5,103.59 36.27	60.46
<b>23 21 16 00-0123 Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers (23 21 16 00-0115)</b> Note: With brass or stainless steel basket.		
23 21 16 00-0124 EA 2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	5,826.46 53.03	141.39
23 21 16 00-0125 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	5,999.46 57.86	153.80
23 21 16 00-0126 EA 3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	8,229.39 67.70	180.32
23 21 16 00-0127 EA 4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	12,968.97 100.70	267.85
23 21 16 00-0128 EA 6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer ..... <i>For Work In Restricted Working Space, Add</i>	28,202.02 127.33	338.35
<b>23 21 16 00-0129 Cast Steel Body, Duplex Strainers (23 21 16 00-0095)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 16 00-0130</b> <b>Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0129)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0131    EA    1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	2,345.32	30.23
For Work In Restricted Working Space, Add	18.16	
23 21 16 00-0132    EA    1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	2,888.93	35.53
For Work In Restricted Working Space, Add	21.30	
23 21 16 00-0133    EA    1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	3,428.47	38.72
For Work In Restricted Working Space, Add	23.23	
23 21 16 00-0134    EA    2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	5,806.70	47.20
For Work In Restricted Working Space, Add	28.41	
<b>23 21 16 00-0135</b> <b>Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0129)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0136    EA    2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	5,926.85	141.39
For Work In Restricted Working Space, Add	53.03	
23 21 16 00-0137    EA    2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	6,514.12	153.80
For Work In Restricted Working Space, Add	57.86	
23 21 16 00-0138    EA    3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	8,565.19	180.32
For Work In Restricted Working Space, Add	67.70	
23 21 16 00-0139    EA    4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	12,559.32	267.85
For Work In Restricted Working Space, Add	100.70	
23 21 16 00-0140    EA    6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	21,444.57	338.35
For Work In Restricted Working Space, Add	127.33	
23 21 16 00-0141    EA    8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	41,815.70	432.33
For Work In Restricted Working Space, Add	161.12	
<b>23 21 16 00-0142</b> <b>Stainless Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0095)</small>		
<b>23 21 16 00-0143</b> <b>Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0142)</small> Note: With stainless steel basket.		
23 21 16 00-0144    EA    1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	4,650.73	30.23
For Work In Restricted Working Space, Add	18.16	
23 21 16 00-0145    EA    1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	5,876.77	35.53
For Work In Restricted Working Space, Add	21.30	
23 21 16 00-0146    EA    1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	7,090.26	38.72
For Work In Restricted Working Space, Add	23.23	
23 21 16 00-0147    EA    2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	11,357.72	47.20
For Work In Restricted Working Space, Add	28.41	
<b>23 21 16 00-0148</b> <b>Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0142)</small> Note: With stainless steel basket.		
23 21 16 00-0149    EA    2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	11,907.31	141.39
For Work In Restricted Working Space, Add	53.03	
23 21 16 00-0150    EA    2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	12,518.41	153.80
For Work In Restricted Working Space, Add	57.86	
23 21 16 00-0151    EA    3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	19,606.56	180.32
For Work In Restricted Working Space, Add	67.70	
23 21 16 00-0152    EA    4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	23,966.74	267.85
For Work In Restricted Working Space, Add	100.70	
23 21 16 00-0153    EA    6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	42,076.34	338.35
For Work In Restricted Working Space, Add	127.33	
23 21 16 00-0154    EA    8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	77,720.57	432.33
For Work In Restricted Working Space, Add	161.12	
<b>23 21 16 00-0155</b> <b>Pressure Regulating Valve</b> <small>(23 21 16)</small>		
<b>23 21 16 00-0156</b> <b>Screwed Ends, Iron Body, Water Pressure Reducing Valves</b> <small>(23 21 16 00-0155)</small> Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating		
23 21 16 00-0157    EA    1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve.....	216.67	13.25
For Work In Restricted Working Space, Add	15.91	
23 21 16 00-0158    EA    3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve.....	267.48	14.84
For Work In Restricted Working Space, Add	17.67	
23 21 16 00-0159    EA    1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve.....	353.16	15.90
For Work In Restricted Working Space, Add	18.71	
23 21 16 00-0160    EA    1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve.....	608.20	17.81
For Work In Restricted Working Space, Add	21.20	
23 21 16 00-0161    EA    1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve.....	826.30	21.21
For Work In Restricted Working Space, Add	25.44	
23 21 16 00-0162    EA    2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve.....	1,183.51	32.51
For Work In Restricted Working Space, Add	39.06	
23 21 16 00-0163    EA    2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve.....	1,287.08	36.61
For Work In Restricted Working Space, Add	43.94	
23 21 16 00-0164    EA    3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve.....	1,414.10	105.94
For Work In Restricted Working Space, Add	48.82	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR  
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23 21 16 00-0165	<b>Cast Iron Body, Steam Pressure Regulator And Reducer</b> <small>(23 21 16 00-0165)</small>			
	Note: Single seated, spring loaded, direct acting diaphragm valve.			
23 21 16 00-0166	<b>Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer</b> <small>(23 21 16 00-0165)</small>			
23 21 16 00-0167	EA	1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....	365.90	17.82
		<i>For Work In Restricted Working Space, Add</i>	21.35	
23 21 16 00-0168	EA	3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....	457.56	25.24
		<i>For Work In Restricted Working Space, Add</i>	30.31	
23 21 16 00-0169	EA	1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....	588.49	30.76
		<i>For Work In Restricted Working Space, Add</i>	37.00	
23 21 16 00-0170	EA	1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....	788.60	37.34
		<i>For Work In Restricted Working Space, Add</i>	43.00	
23 21 16 00-0171	EA	1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....	1,060.23	42.43
		<i>For Work In Restricted Working Space, Add</i>	48.95	
23 21 16 00-0172	EA	2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....	1,239.74	59.45
		<i>For Work In Restricted Working Space, Add</i>	59.44	
23 21 16 00-0173	<b>Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer</b> <small>(23 21 16 00-0165)</small>			
	Note: Single seated, spring loaded, direct acting diaphragm valve.			
23 21 16 00-0174	EA	2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....	2,872.66	143.66
		<i>For Work In Restricted Working Space, Add</i>	54.04	
23 21 16 00-0175	EA	3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....	3,572.67	168.42
		<i>For Work In Restricted Working Space, Add</i>	63.24	
23 21 16 00-0176	EA	4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....	4,590.99	282.35
		<i>For Work In Restricted Working Space, Add</i>	106.15	
23 21 16 00-0177	EA	6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....	11,453.27	333.08
		<i>For Work In Restricted Working Space, Add</i>	125.35	
23 21 16 00-0178	<b>Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves</b> <small>(23 21 16 00-0155)</small>			
23 21 16 00-0179	<b>Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves</b> <small>(23 21 16 00-0178)</small>			
23 21 16 00-0180	EA	1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....	2,085.25	12.94
		<i>For Work In Restricted Working Space, Add</i>	19.41	
23 21 16 00-0181	EA	3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....	2,129.06	12.94
		<i>For Work In Restricted Working Space, Add</i>	19.41	
23 21 16 00-0182	EA	1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....	2,267.76	16.34
		<i>For Work In Restricted Working Space, Add</i>	24.50	
23 21 16 00-0183	EA	1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....	2,664.93	20.79
		<i>For Work In Restricted Working Space, Add</i>	31.19	
23 21 16 00-0184	EA	1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....	3,050.87	23.97
		<i>For Work In Restricted Working Space, Add</i>	35.96	
23 21 16 00-0185	EA	2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....	3,782.93	28.21
		<i>For Work In Restricted Working Space, Add</i>	42.32	
23 21 16 00-0186	<b>Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves</b> <small>(23 21 16 00-0178)</small>			
23 21 16 00-0187	EA	2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....	4,674.02	143.66
		<i>For Work In Restricted Working Space, Add</i>	54.04	
23 21 16 00-0188	EA	3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....	5,766.07	168.42
		<i>For Work In Restricted Working Space, Add</i>	63.24	
23 21 16 00-0189	EA	4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....	8,733.00	282.35
		<i>For Work In Restricted Working Space, Add</i>	106.15	
23 21 16 00-0190	EA	6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve .....	19,216.22	333.08
		<i>For Work In Restricted Working Space, Add</i>	125.35	
23 21 16 00-0191	<b>Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves</b> <small>(23 21 16 00-0155)</small>			
23 21 16 00-0192	EA	1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	243.58	13.78
23 21 16 00-0193	EA	3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	301.77	15.26
23 21 16 00-0194	EA	1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	400.98	16.22
23 21 16 00-0195	EA	1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	696.58	18.45
23 21 16 00-0196	EA	1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	948.20	22.05
23 21 16 00-0197	EA	2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	1,356.71	33.78
23 21 16 00-0198	EA	2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	1,469.74	36.81
23 21 16 00-0199	EA	3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	1,619.86	42.38
23 21 16 00-0200	<b>Screwed Ends, Bronze Body, Water Pressure Reducing Valves</b> <small>(23 21 16 00-0155)</small>			
	Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).			
23 21 16 00-0201	EA	1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	183.74	13.25
23 21 16 00-0202	EA	3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	201.88	14.84
23 21 16 00-0203	EA	1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	251.36	16.43
23 21 16 00-0204	EA	1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	599.24	17.81
23 21 16 00-0205	EA	1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	649.11	21.21
23 21 16 00-0206	EA	2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	1,020.18	32.51



			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0207			<b>Dual Unit Reducing And Relief Valve</b> <sup>(23 21 16)</sup>		
23 21 16 00-0208	EA		1/2" Dual Unit Reducing And Relief Valve .....207.20	207.20	32.36
23 21 16 00-0209			<b>Safety Relief Valve</b> <sup>(23 21 16)</sup>		
			Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0210			<b>Threaded Inlet, Bronze Body Safety Valves</b> <sup>(23 21 16 00-0209)</sup>		
			Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.		
23 21 16 00-0211	EA		1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve .....75.64	75.64	13.25
23 21 16 00-0212	EA		3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve .....105.96	105.96	14.58
23 21 16 00-0213	EA		1" x 1" Threaded Inlet, Bronze Body Safety Valve .....154.06	154.06	17.76
23 21 16 00-0214	EA		1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve.....200.50	200.50	18.82
23 21 16 00-0215	EA		1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve.....276.31	276.31	25.18
23 21 16 00-0216	EA		2" x 2" Threaded Inlet, Bronze Body Safety Valve.....371.93	371.93	29.68
23 21 16 00-0217	EA		2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve.....420.67	420.67	37.11
23 21 16 00-0218			<b>Threaded, Bronze Body, Temperature And Pressure Relief Valves</b> <sup>(23 21 16)</sup>		
23 21 16 00-0219	EA		1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....86.06	86.06	27.03
			<i>For Cast Iron Body, Add</i>	52.35	
23 21 16 00-0220	EA		3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....111.36	111.36	32.44
			<i>For Cast Iron Body, Add</i>	72.93	
23 21 16 00-0221	EA		1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve .....163.60	163.60	43.25
			<i>For Cast Iron Body, Add</i>	116.15	
23 21 16 00-0222	EA		1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve .....273.21	273.21	46.34
			<i>For Cast Iron Body, Add</i>	246.85	
23 21 16 00-0223	EA		1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve .....462.56	462.56	51.95
			<i>For Cast Iron Body, Add</i>	472.21	
23 21 16 00-0224	EA		2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve .....533.42	533.42	74.70
			<i>For Cast Iron Body, Add</i>	514.20	
23 21 16 00-0225			<b>Thermostatic Radiator Valves</b> <sup>(23 21 16)</sup>		
			Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0226	EA		1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015).....72.81	72.81	17.11
23 21 16 00-0227	EA		3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020).....89.42	89.42	23.06
23 21 16 00-0228	EA		1" Straight Thermostatic Radiator Valve (Danfoss 013G8025).....118.03	118.03	27.92
23 21 16 00-0229	EA		1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032).....180.18	180.18	35.36
23 21 16 00-0230	EA		1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014).....72.81	72.81	17.11
23 21 16 00-0231	EA		3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019).....89.42	89.42	23.06
23 21 16 00-0232	EA		1" Angle Thermostatic Radiator Valve (Danfoss 013G8024).....118.03	118.03	27.92
23 21 16 00-0233	EA		1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031).....180.18	180.18	35.36
23 21 16 00-0234	EA		Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240).....72.82	72.82	13.25
23 21 16 00-0235	EA		Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922).....121.12	121.12	18.57
23 21 16 00-0236			<b>Radiator Trap Repair Kits</b> <sup>(23 21 16)</sup>		
			Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0237	EA		1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031) .....139.65	139.65	
23 21 16 00-0238	EA		3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032) .....174.56	174.56	
23 21 16 00-0239	EA		1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026) .....177.34	177.34	
23 21 16 00-0240	EA		3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027).....201.50	201.50	
23 21 16 00-0241	EA		1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028).....478.81	478.81	
23 21 16 00-0242			<b>Horizontal Steel Expansion Tanks</b> <sup>(23 21 16)</sup>		
			Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21 16 00-0243	EA		10 Gallon Horizontal Steel Expansion Tank.....704.25	704.25	106.07
23 21 16 00-0244	EA		15 Gallon Horizontal Steel Expansion Tank.....1,003.34	1,003.34	132.59
23 21 16 00-0245	EA		30 Gallon Horizontal Steel Expansion Tank.....1,320.92	1,320.92	159.11
23 21 16 00-0246	EA		40 Gallon Horizontal Steel Expansion Tank.....1,519.50	1,519.50	185.62
23 21 16 00-0247	EA		60 Gallon Horizontal Steel Expansion Tank.....1,758.43	1,758.43	187.96
23 21 16 00-0248			<b>Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks</b> <sup>(23 21 16)</sup>		
			Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21 16 00-0249	EA		7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....1,575.69	1,575.69	79.55
23 21 16 00-0250	EA		10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....1,643.36	1,643.36	92.81
23 21 16 00-0251	EA		21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....2,456.87	2,456.87	106.07
23 21 16 00-0252	EA		33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....2,556.04	2,556.04	119.32
23 21 16 00-0253	EA		44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....3,471.25	3,471.25	132.59
23 21 16 00-0254	EA		55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....3,660.00	3,660.00	145.84
23 21 16 00-0255	EA		68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....4,354.85	4,354.85	159.11
23 21 16 00-0256	EA		77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....4,659.84	4,659.84	172.36
23 21 16 00-0257	EA		90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....5,136.76	5,136.76	185.62
23 21 16 00-0258	EA		110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....5,276.96	5,276.96	212.14
23 21 16 00-0259	EA		132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....6,625.50	6,625.50	238.66
23 21 16 00-0260	EA		158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....7,598.70	7,598.70	265.18
23 21 16 00-0261	EA		211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank .....8,818.67	8,818.67	318.21

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0262			<b>Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX)</b>		
			<small>(23 21 16)</small> Note: ASME. Precharged with working pressure 125 psi		
23 21 16 00-0263	EA		8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,798.47	79.55
23 21 16 00-0264	EA		11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,854.03	92.81
23 21 16 00-0265	EA		22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,660.28	106.07
23 21 16 00-0266	EA		34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,839.35	119.32
23 21 16 00-0267	EA		44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,614.11	132.59
23 21 16 00-0268	EA		56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,800.44	145.84
23 21 16 00-0269	EA		67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,638.17	159.11
23 21 16 00-0270	EA		77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,013.38	172.36
23 21 16 00-0271	EA		91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,546.00	185.62
23 21 16 00-0272	EA		111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,678.93	212.14
23 21 16 00-0273	EA		132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	6,991.15	238.66
23 21 16 00-0274	EA		158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	8,114.48	265.18
23 21 16 00-0275	EA		211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	9,344.13	318.21
23 21 16 00-0276			<b>Diaphragm Type (Residential Style) Steel Expansion Tanks <small>(23 21 16)</small></b>		
23 21 16 00-0277	EA		2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1) .....	95.58	9.77
23 21 16 00-0278	EA		4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1) .....	137.50	9.77
23 21 16 00-0279			<b>Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks <small>(23 21 16)</small></b>		
23 21 16 00-0280	EA		15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,116.48	318.32
23 21 16 00-0281	EA		20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,165.30	318.32
23 21 16 00-0282	EA		30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,214.10	318.32
23 21 16 00-0283	EA		40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,340.99	318.32
23 21 16 00-0284	EA		47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,596.68	424.17
23 21 16 00-0285	EA		60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,888.84	424.39
23 21 16 00-0286	EA		80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,946.82	424.39
23 21 16 00-0287	EA		87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,004.80	424.39
23 21 16 00-0288	EA		120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,552.20	530.34
23 21 16 00-0289	EA		187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	7,467.68	530.34
23 21 16 00-0290	EA		264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	9,502.97	636.20
23 21 16 00-0291			<b>ASME Construction Compression Tanks <small>(23 21 16)</small></b>		
			Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height.		
23 21 16 00-0292	EA		15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank.....	1,098.56	186.69
			<i>For Galvanized Steel Tanks, Add</i>	407.85	
23 21 16 00-0293	EA		24 Gallon, 13" x 51" ASME Construction Compression Tank .....	1,119.41	191.99
			<i>For Galvanized Steel Tanks, Add</i>	413.86	
23 21 16 00-0294	EA		30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank.....	1,224.92	198.35
			<i>For Galvanized Steel Tanks, Add</i>	461.84	
23 21 16 00-0295	EA		40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank.....	1,344.53	205.78
			<i>For Galvanized Steel Tanks, Add</i>	515.82	
23 21 16 00-0296	EA		60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank.....	1,576.37	217.44
			<i>For Galvanized Steel Tanks, Add</i>	623.78	
23 21 16 00-0297	EA		80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank.....	1,637.69	225.93
			<i>For Galvanized Steel Tanks, Add</i>	647.77	
23 21 16 00-0298	EA		100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank.....	2,039.58	246.09
			<i>For Galvanized Steel Tanks, Add</i>	833.71	
23 21 16 00-0299	EA		120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank.....	2,223.60	264.11
			<i>For Galvanized Steel Tanks, Add</i>	911.67	
23 21 16 00-0300	EA		144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank.....	2,777.47	298.06
			<i>For Galvanized Steel Tanks, Add</i>	1,163.06	
23 21 16 00-0301	EA		180 Gallon, 30" x 60" ASME Construction Compression Tank.....	3,540.32	341.54
			<i>For Galvanized Steel Tanks, Add</i>	1,511.46	
23 21 16 00-0302	EA		202 Gallon, 30" x 72" ASME Construction Compression Tank.....	4,251.52	378.66
			<i>For Galvanized Steel Tanks, Add</i>	1,839.09	
23 21 16 00-0303	EA		230 Gallon, 30" x 84" ASME Construction Compression Tank.....	4,649.98	411.55
			<i>For Galvanized Steel Tanks, Add</i>	2,013.03	
23 21 16 00-0304	EA		280 Gallon, 30" x 96" ASME Construction Compression Tank.....	5,897.93	451.85
			<i>For Galvanized Steel Tanks, Add</i>	2,606.81	
23 21 16 00-0305	EA		306 Gallon, 30" x 108" ASME Construction Compression Tank.....	6,079.19	482.62
			<i>For Galvanized Steel Tanks, Add</i>	2,673.84	
23 21 16 00-0306	EA		340 Gallon, 36" x 84" ASME Construction Compression Tank.....	7,869.85	518.68
			<i>For Galvanized Steel Tanks, Add</i>	3,542.08	
23 21 16 00-0307	EA		550 Gallon, 36" x 96" ASME Construction Compression Tank.....	13,196.02	608.83
			<i>For Galvanized Steel Tanks, Add</i>	6,136.84	
23 21 16 00-0308			<b>Compression Tank Air Fittings <small>(23 21 16)</small></b>		
23 21 16 00-0309	EA		9" To 24" Diameter Compression Tank Air Fittings.....	197.23	29.69
23 21 16 00-0310	EA		>100 Gallon Compression Tank Air Fittings.....	632.06	35.01





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 21 16 00-0311**

**Vortex Air Separators With Strainer (23 21 16)**

Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.

23 21 16 00-0312	EA		2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N) .....	1,252.93	225.93
			<i>For 300 PSIG, Add</i> .....	136.62	
23 21 16 00-0313	EA		2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N) .....	1,546.14	258.81
			<i>For 300 PSIG, Add</i> .....	172.99	
23 21 16 00-0314	EA		3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N) .....	2,358.18	304.42
			<i>For 300 PSIG, Add</i> .....	284.55	
23 21 16 00-0315	EA		3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F) .....	2,520.22	322.41
			<i>For 300 PSIG, Add</i> .....	304.76	
23 21 16 00-0316	EA		4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F) .....	3,254.31	429.88
			<i>For 300 PSIG, Add</i> .....	390.45	
23 21 16 00-0317	EA		5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F) .....	4,099.12	511.27
			<i>For 300 PSIG, Add</i> .....	498.77	
23 21 16 00-0318	EA		6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F) .....	4,859.80	578.94
			<i>For 300 PSIG, Add</i> .....	597.39	
23 21 16 00-0319	EA		8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F) .....	6,969.96	694.54
			<i>For 300 PSIG, Add</i> .....	887.60	
23 21 16 00-0320	EA		10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F) .....	10,691.93	789.46
			<i>For 300 PSIG, Add</i> .....	1,424.37	
23 21 16 00-0321	EA		12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F) .....	14,416.71	1,021.60
			<i>For 300 PSIG, Add</i> .....	1,930.31	
23 21 16 00-0322	EA		14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F) .....	29,916.80	1,240.58
			<i>For 300 PSIG, Add</i> .....	4,205.57	
23 21 16 00-0323	EA		16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F) .....	36,927.81	1,488.70
			<i>For 300 PSIG, Add</i> .....	5,200.83	
23 21 16 00-0324	EA		18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-18F) .....	48,154.47	1,736.82
			<i>For 300 PSIG, Add</i> .....	6,828.44	
23 21 16 00-0325	EA		20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F) .....	56,336.36	1,984.93
			<i>For 300 PSIG, Add</i> .....	7,999.33	

**23 21 16 00-0326**

**Vortex Air Separators (23 21 16)**

Note: Without system strainer.

23 21 16 00-0327	EA		2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N) .....	1,075.09	225.93
			<i>For 300 PSIG, Add</i> .....	109.94	
23 21 16 00-0328	EA		2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N) .....	1,352.13	258.81
			<i>For 300 PSIG, Add</i> .....	143.89	
23 21 16 00-0329	EA		3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N) .....	2,309.68	304.42
			<i>For 300 PSIG, Add</i> .....	277.28	
23 21 16 00-0330	EA		3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F) .....	2,094.47	322.41
			<i>For 300 PSIG, Add</i> .....	240.90	
23 21 16 00-0331	EA		4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F) .....	2,807.01	429.88
			<i>For 300 PSIG, Add</i> .....	323.35	
23 21 16 00-0332	EA		5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F) .....	3,630.26	511.27
			<i>For 300 PSIG, Add</i> .....	428.44	
23 21 16 00-0333	EA		6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F) .....	4,223.87	578.94
			<i>For 300 PSIG, Add</i> .....	502.00	
23 21 16 00-0334	EA		8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F) .....	5,611.88	694.54
			<i>For 300 PSIG, Add</i> .....	683.89	
23 21 16 00-0335	EA		10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F) .....	7,787.15	789.46
			<i>For 300 PSIG, Add</i> .....	988.65	
23 21 16 00-0336	EA		12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F) .....	11,976.07	1,021.60
			<i>For 300 PSIG, Add</i> .....	1,564.22	
23 21 16 00-0337	EA		14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F) .....	20,325.67	1,240.58
			<i>For 300 PSIG, Add</i> .....	2,766.90	
23 21 16 00-0338	EA		16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F) .....	25,740.01	1,488.70
			<i>For 300 PSIG, Add</i> .....	3,522.66	
23 21 16 00-0339	EA		18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-18F) .....	34,383.16	1,736.82
			<i>For 300 PSIG, Add</i> .....	4,762.74	
23 21 16 00-0340	EA		20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F) .....	46,971.43	1,984.93
			<i>For 300 PSIG, Add</i> .....	6,594.59	
23 21 16 00-0341	EA		22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F) .....	57,496.22	2,233.05
			<i>For 300 PSIG, Add</i> .....	8,116.92	
23 21 16 00-0342	EA		24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F) .....	68,021.00	2,481.16
			<i>For 300 PSIG, Add</i> .....	9,639.25	

**23 21 16 00-0343**

**Grooved, With Strainer, Vortex Air Separators (23 21 16)**

23 21 16 00-0344	EA		3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G) .....	2,206.96	257.92
23 21 16 00-0345	EA		4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G) .....	3,123.72	343.69
23 21 16 00-0346	EA		5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G) .....	3,944.30	408.64
23 21 16 00-0347	EA		6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G) .....	4,684.30	463.15
23 21 16 00-0348	EA		8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G) .....	6,748.65	555.79
23 21 16 00-0349	EA		10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G) .....	10,873.03	631.57
23 21 16 00-0350	EA		12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G) .....	16,535.42	817.37

**23 21 16 00-0351**

**Grooved Vortex Air Separators (23 21 16)**

Note: Without system strainer.

23 21 16 00-0352	EA		3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G) .....	1,765.05	257.92
23 21 16 00-0353	EA		4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G) .....	2,676.42	343.69
23 21 16 00-0354	EA		5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G) .....	3,475.44	408.64

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	16 00-0355	EA	6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G) .....	4,048.37	463.15
23 21	16 00-0356	EA	8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G) .....	5,401.35	555.79
23 21	16 00-0357	EA	10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G) .....	7,925.14	631.57
23 21	16 00-0358	EA	12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G) .....	13,135.83	817.37
<b>23 21</b>	<b>16 00-0359</b>		<b>Removable Head, Air Eliminator And Dirt Separator</b> <small>(23 21 16)</small>		
			Note: Spirovent VDN.		
23 21	16 00-0360	EA	2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	3,589.36	225.93
23 21	16 00-0361	EA	2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	3,886.33	258.81
23 21	16 00-0362	EA	3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	5,189.95	304.42
23 21	16 00-0363	EA	4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	5,929.75	466.71
23 21	16 00-0364	EA	5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	8,664.45	577.02
23 21	16 00-0365	EA	6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	11,152.47	653.39
23 21	16 00-0366	EA	8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	17,420.07	147.44
23 21	16 00-0367	EA	10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	25,726.13	890.99
23 21	16 00-0368	EA	12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	33,250.86	1,152.98
<b>23 21</b>	<b>16 00-0369</b>		<b>Swivel Joints</b> <small>(23 21 16)</small>		
<b>23 21</b>	<b>16 00-0370</b>		<b>Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)</b> <small>(23 21 16 00-0369)</small>		
			Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21	16 00-0371	EA	1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	321.99	27.90
23 21	16 00-0372	EA	1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) .....	462.70	40.83
23 21	16 00-0373	EA	2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	648.41	47.73
23 21	16 00-0374	EA	3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	967.43	81.68
23 21	16 00-0375	EA	4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,226.26	92.81
			<i>For Stainless Steel, Add</i>	1,560.96	
23 21	16 00-0376	EA	2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) .....	904.06	141.39
			<i>For Stainless Steel, Add</i>	1,090.92	
23 21	16 00-0377	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) .....	1,221.51	112.80
23 21	16 00-0378	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) .....	1,556.60	302.30
23 21	16 00-0379	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) .....	2,885.74	381.85
<b>23 21</b>	<b>16 00-0380</b>		<b>Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)</b> <small>(23 21 16 00-0369)</small>		
			Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21	16 00-0381	EA	1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) .....	409.53	27.90
			<i>For Stainless Steel, Add</i>	530.57	
23 21	16 00-0382	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) .....	504.05	40.83
			<i>For Stainless Steel, Add</i>	633.68	
23 21	16 00-0383	EA	2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) .....	679.09	47.73
			<i>For Stainless Steel, Add</i>	874.01	
23 21	16 00-0384	EA	3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) .....	1,091.48	81.68
			<i>For Stainless Steel, Add</i>	1,392.45	
23 21	16 00-0385	EA	4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) .....	1,428.87	92.81
			<i>For Stainless Steel, Add</i>	1,864.88	
23 21	16 00-0386	EA	2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	932.10	141.39
			<i>For Stainless Steel, Add</i>	1,132.98	
23 21	16 00-0387	EA	3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,382.09	112.80
			<i>For Stainless Steel, Add</i>	1,734.62	
23 21	16 00-0388	EA	4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,741.98	302.30
			<i>For Stainless Steel, Add</i>	2,044.74	
23 21	16 00-0389	EA	6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	3,013.76	381.85
			<i>For Stainless Steel, Add</i>	3,802.10	
<b>23 21</b>	<b>16 00-0390</b>		<b>Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)</b> <small>(23 21 16 00-0369)</small>		
			Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21	16 00-0391	EA	1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	481.79	27.90
			<i>For Stainless Steel, Add</i>	638.96	
23 21	16 00-0392	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	559.18	40.83
			<i>For Stainless Steel, Add</i>	716.37	
23 21	16 00-0393	EA	2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	817.67	47.73
			<i>For Stainless Steel, Add</i>	1,081.88	
23 21	16 00-0394	EA	3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,258.26	81.68
			<i>For Stainless Steel, Add</i>	1,642.62	
23 21	16 00-0395	EA	4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,484.00	92.81
			<i>For Stainless Steel, Add</i>	1,947.57	
23 21	16 00-0396	EA	2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) .....	1,069.93	141.39
			<i>For Stainless Steel, Add</i>	1,339.73	
23 21	16 00-0397	EA	3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) .....	1,553.00	112.80
			<i>For Stainless Steel, Add</i>	1,990.98	
23 21	16 00-0398	EA	4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) .....	1,918.40	302.30
			<i>For Stainless Steel, Add</i>	2,309.37	
23 21	16 00-0399	EA	6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) .....	3,392.80	381.85
			<i>For Stainless Steel, Add</i>	4,370.66	
<b>23 21</b>	<b>16 00-0400</b>		<b>Basket Strainers</b> <small>(23 21 16)</small>		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0401	<b>Bronze Body Basket Strainers</b> (23 21 16 00-0400)			
23 21 16 00-0402	<b>Screwed Ends, Bronze Body Basket Strainers</b> (23 21 16 00-0401)			
23 21 16 00-0403	EA 1/2" Screwed Ends, Bronze Body Basket Strainer.....		282.20	21.22
	<i>For Work In Restricted Working Space, Add</i>		12.63	
23 21 16 00-0404	EA 3/4" Screwed Ends, Bronze Body Basket Strainer.....		333.51	24.93
	<i>For Work In Restricted Working Space, Add</i>		14.84	
23 21 16 00-0405	EA 1" Screwed Ends, Bronze Body Basket Strainer.....		386.93	29.69
	<i>For Work In Restricted Working Space, Add</i>		17.68	
23 21 16 00-0406	EA 1-1/4" Screwed Ends, Bronze Body Basket Strainer .....		481.58	32.88
	<i>For Work In Restricted Working Space, Add</i>		19.71	
23 21 16 00-0407	EA 1-1/2" Screwed Ends, Bronze Body Basket Strainer .....		568.53	37.12
	<i>For Work In Restricted Working Space, Add</i>		22.25	
23 21 16 00-0408	EA 2" Screwed Ends, Bronze Body Basket Strainer.....		846.08	42.43
	<i>For Work In Restricted Working Space, Add</i>		25.48	
23 21 16 00-0409	EA 2-1/2" Screwed Ends, Bronze Body Basket Strainer .....		1,196.64	56.75
	<i>For Work In Restricted Working Space, Add</i>		34.13	
23 21 16 00-0410	EA 3" Screwed Ends, Bronze Body Basket Strainer.....		1,682.18	60.46
	<i>For Work In Restricted Working Space, Add</i>		36.20	
23 21 16 00-0411	<b>Flanged, Bronze Body Basket Strainers</b> (23 21 16 00-0401)			
23 21 16 00-0412	EA 2" Flanged, Bronze Body Basket Strainer.....		1,330.26	141.39
	<i>For Work In Restricted Working Space, Add</i>		53.03	
23 21 16 00-0413	EA 2-1/2" Flanged, Bronze Body Basket Strainer .....		1,997.61	153.80
	<i>For Work In Restricted Working Space, Add</i>		57.86	
23 21 16 00-0414	EA 3" Flanged, Bronze Body Basket Strainer.....		2,265.84	180.32
	<i>For Work In Restricted Working Space, Add</i>		67.70	
23 21 16 00-0415	EA 4" Flanged, Bronze Body Basket Strainer.....		3,831.40	302.30
	<i>For Work In Restricted Working Space, Add</i>		113.65	
23 21 16 00-0416	EA 6" Flanged, Bronze Body Basket Strainer.....		7,251.13	338.35
	<i>For Work In Restricted Working Space, Add</i>		127.33	
23 21 16 00-0417	EA 8" Flanged, Bronze Body Basket Strainer.....		13,209.59	432.33
	<i>For Work In Restricted Working Space, Add</i>		161.12	
23 21 16 00-0418	<b>Iron Body Basket Strainers</b> (23 21 16 00-0400)			
23 21 16 00-0419	<b>Screwed Ends, Iron Body Basket Strainers</b> (23 21 16 00-0418)			
23 21 16 00-0420	EA 1/2" Screwed Ends, Iron Body Basket Strainer.....		355.35	21.22
	<i>For Work In Restricted Working Space, Add</i>		12.63	
23 21 16 00-0421	EA 3/4" Screwed Ends, Iron Body Basket Strainer.....		400.08	24.93
	<i>For Work In Restricted Working Space, Add</i>		14.84	
23 21 16 00-0422	EA 1" Screwed Ends, Iron Body Basket Strainer.....		472.78	29.69
	<i>For Work In Restricted Working Space, Add</i>		17.68	
23 21 16 00-0423	EA 1-1/4" Screwed Ends, Iron Body Basket Strainer.....		620.37	32.88
	<i>For Work In Restricted Working Space, Add</i>		19.71	
23 21 16 00-0424	EA 1-1/2" Screwed Ends, Iron Body Basket Strainer.....		680.58	37.12
	<i>For Work In Restricted Working Space, Add</i>		22.25	
23 21 16 00-0425	EA 2" Screwed Ends, Iron Body Basket Strainer.....		809.17	42.43
	<i>For Work In Restricted Working Space, Add</i>		25.48	
23 21 16 00-0426	EA 2-1/2" Screwed Ends, Iron Body Basket Strainer.....		1,148.40	56.75
	<i>For Work In Restricted Working Space, Add</i>		34.13	
23 21 16 00-0427	EA 3" Screwed Ends, Iron Body Basket Strainer.....		1,298.98	60.46
	<i>For Work In Restricted Working Space, Add</i>		36.20	
23 21 16 00-0428	<b>Flanged, Iron Body Basket Strainers</b> (23 21 16 00-0418)			
23 21 16 00-0429	EA 2" Flanged, Iron Body Basket Strainer.....		802.34	141.39
	<i>For Work In Restricted Working Space, Add</i>		53.03	
23 21 16 00-0430	EA 2-1/2" Flanged, Iron Body Basket Strainer.....		1,036.00	153.80
	<i>For Work In Restricted Working Space, Add</i>		57.86	
23 21 16 00-0431	EA 3" Flanged, Iron Body Basket Strainer.....		1,123.22	180.32
	<i>For Work In Restricted Working Space, Add</i>		67.70	
23 21 16 00-0432	EA 4" Flanged, Iron Body Basket Strainer.....		1,729.67	302.30
	<i>For Work In Restricted Working Space, Add</i>		113.65	
23 21 16 00-0433	EA 6" Flanged, Iron Body Basket Strainer.....		3,053.61	338.35
	<i>For Work In Restricted Working Space, Add</i>		127.33	
23 21 16 00-0434	EA 8" Flanged, Iron Body Basket Strainer.....		5,387.41	432.33
	<i>For Work In Restricted Working Space, Add</i>		161.12	
23 21 16 00-0435	EA 10" Flanged, Iron Body Basket Strainer.....		7,956.09	526.31
	<i>For Work In Restricted Working Space, Add</i>		197.36	
23 21 16 00-0436	EA 12" Flanged, Iron Body Basket Strainer.....		9,985.04	663.53
	<i>For Work In Restricted Working Space, Add</i>		398.07	
23 21 16 00-0437	EA 14" Flanged, Iron Body Basket Strainer.....		11,864.49	751.87
	<i>For Work In Restricted Working Space, Add</i>		281.95	
23 21 16 00-0438	EA 16" Flanged, Iron Body Basket Strainer.....		12,457.11	827.05
	<i>For Work In Restricted Working Space, Add</i>		310.15	
23 21 16 00-0439	<b>Cast Steel Body Basket Strainers</b> (23 21 16 00-0400)			
23 21 16 00-0440	<b>Screwed Ends, Cast Steel Body Basket Strainers</b> (23 21 16 00-0439)			

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	16 00-0441	EA	1" Screwed Ends, Cast Steel Body Basket Strainer .....	767.05	29.69
			<i>For Work In Restricted Working Space, Add</i>	17.68	
23 21	16 00-0442	EA	1-1/4" Screwed Ends, Cast Steel Body Basket Strainer .....	1,010.86	32.88
			<i>For Work In Restricted Working Space, Add</i>	19.71	
23 21	16 00-0443	EA	1-1/2" Screwed Ends, Cast Steel Body Basket Strainer .....	1,139.34	37.12
			<i>For Work In Restricted Working Space, Add</i>	22.25	
23 21	16 00-0444	EA	2" Screwed Ends, Cast Steel Body Basket Strainer .....	1,600.19	42.43
			<i>For Work In Restricted Working Space, Add</i>	25.48	
23 21	16 00-0445	EA	2-1/2" Screwed Ends, Cast Steel Body Basket Strainer .....	2,244.12	56.75
			<i>For Work In Restricted Working Space, Add</i>	34.13	
23 21	16 00-0446	EA	3" Screwed Ends, Cast Steel Body Basket Strainer .....	2,911.15	60.46
			<i>For Work In Restricted Working Space, Add</i>	36.21	
<b>23 21</b>	<b>16 00-0447</b>		<b>Flanged, Cast Steel Body Basket Strainers (23 21 16 00-0439)</b>		
23 21	16 00-0448	EA	2" Flanged, Cast Steel Body Basket Strainer.....	2,382.15	141.39
			<i>For Work In Restricted Working Space, Add</i>	53.03	
23 21	16 00-0449	EA	2-1/2" Flanged, Cast Steel Body Basket Strainer .....	3,418.39	153.80
			<i>For Work In Restricted Working Space, Add</i>	57.86	
23 21	16 00-0450	EA	3" Flanged, Cast Steel Body Basket Strainer.....	3,751.27	180.32
			<i>For Work In Restricted Working Space, Add</i>	67.70	
23 21	16 00-0451	EA	4" Flanged, Cast Steel Body Basket Strainer.....	5,329.64	302.30
			<i>For Work In Restricted Working Space, Add</i>	113.65	
23 21	16 00-0452	EA	6" Flanged, Cast Steel Body Basket Strainer.....	9,350.93	338.35
			<i>For Work In Restricted Working Space, Add</i>	127.33	
23 21	16 00-0453	EA	8" Flanged, Cast Steel Body Basket Strainer.....	15,164.49	432.33
			<i>For Work In Restricted Working Space, Add</i>	161.12	
<b>23 21</b>	<b>16 00-0454</b>		<b>Stainless Steel Body Basket Strainers (23 21 16 00-0400)</b>		
<b>23 21</b>	<b>16 00-0455</b>		<b>Screwed Ends, Stainless Steel Body Basket Strainers (23 21 16 00-0454)</b>		
23 21	16 00-0456	EA	1" Screwed Ends, Stainless Steel Body Basket Strainer .....	524.34	29.69
			<i>For Work In Restricted Working Space, Add</i>	17.68	
23 21	16 00-0457	EA	1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer .....	754.60	32.88
			<i>For Work In Restricted Working Space, Add</i>	19.71	
23 21	16 00-0458	EA	1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer .....	779.19	37.12
			<i>For Work In Restricted Working Space, Add</i>	22.25	
23 21	16 00-0459	EA	2" Screwed Ends, Stainless Steel Body Basket Strainer .....	1,151.70	42.43
			<i>For Work In Restricted Working Space, Add</i>	25.48	
23 21	16 00-0460	EA	2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer .....	1,627.50	56.75
			<i>For Work In Restricted Working Space, Add</i>	34.13	
23 21	16 00-0461	EA	3" Screwed Ends, Stainless Steel Body Basket Strainer .....	2,297.98	60.46
			<i>For Work In Restricted Working Space, Add</i>	36.21	
<b>23 21</b>	<b>16 00-0462</b>		<b>Flanged, Stainless Steel Body Basket Strainers (23 21 16 00-0454)</b>		
23 21	16 00-0463	EA	2" Flanged, Stainless Steel Body Basket Strainer .....	1,764.25	141.39
			<i>For Work In Restricted Working Space, Add</i>	53.03	
23 21	16 00-0464	EA	2-1/2" Flanged, Stainless Steel Body Basket Strainer .....	2,665.06	153.80
			<i>For Work In Restricted Working Space, Add</i>	57.86	
23 21	16 00-0465	EA	3" Flanged, Stainless Steel Body Basket Strainer .....	3,018.15	180.32
			<i>For Work In Restricted Working Space, Add</i>	67.70	
23 21	16 00-0466	EA	4" Flanged, Stainless Steel Body Basket Strainer .....	5,102.05	302.30
			<i>For Work In Restricted Working Space, Add</i>	113.65	
23 21	16 00-0467	EA	6" Flanged, Stainless Steel Body Basket Strainer .....	7,797.29	338.35
			<i>For Work In Restricted Working Space, Add</i>	127.33	
23 21	16 00-0468	EA	8" Flanged, Stainless Steel Body Basket Strainer .....	13,531.69	432.33
			<i>For Work In Restricted Working Space, Add</i>	161.12	
<b>23 21</b>	<b>16 00-0469</b>		<b>Air Vents (23 21 16)</b>		
<b>23 21</b>	<b>16 00-0470</b>		<b>Screwed Ends, Cast Iron, Automatic Air Vents (23 21 16 00-0469)</b>		
			Note: With guided free floating lever.		
23 21	16 00-0471	EA	1/2" NPT, Cast Iron, Automatic Air Vent .....	405.51	30.76
23 21	16 00-0472	EA	3/4" NPT, Cast Iron, Automatic Air Vent .....	493.86	40.83
23 21	16 00-0473	EA	1" NPT, Cast Iron, Automatic Air Vent .....	1,176.08	42.43
23 21	16 00-0474	EA	1-1/4" NPT, Cast Iron, Automatic Air Vent .....	1,741.42	65.55
23 21	16 00-0475	EA	1-1/2" NPT, Cast Iron, Automatic Air Vent .....	2,941.99	70.54
23 21	16 00-0476	EA	2" NPT, Cast Iron, Automatic Air Vent .....	3,366.20	93.03
<b>23 21</b>	<b>16 00-0477</b>		<b>Forged Steel, Stainless Steel Internals, Automatic Air Vents (23 21 16 00-0469)</b>		
			Note: With guided free floating lever.		
23 21	16 00-0478	EA	1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	2,200.28	35.53
23 21	16 00-0479	EA	3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	2,759.05	40.83
23 21	16 00-0480	EA	1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	3,294.69	42.43
23 21	16 00-0481	EA	1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	5,407.49	65.76
23 21	16 00-0482	EA	1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	6,247.52	70.54
23 21	16 00-0483	EA	2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	9,189.08	92.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 16 00-0484 Automatic Air Vent</b> <small>(23 21 16 00-0469)</small>		
23 21 16 00-0485 EA 3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) .....	228.31	40.83
23 21 16 00-0486 EA 1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) .....	250.18	42.43
23 21 16 00-0487 EA 1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) .....	353.78	65.55
23 21 16 00-0488 EA 1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) .....	438.29	70.54
23 21 16 00-0489 EA 2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) .....	560.74	76.01
<b>23 21 16 00-0490 Manual Air Vent</b> <small>(23 21 16 00-0469)</small>		
23 21 16 00-0491 EA Manual Air Vent .....	72.52	38.29
<b>23 21 16 00-0492 Air Release Valves</b> <small>(23 21 16 00-0469)</small>		
<b>23 21 16 00-0493 Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)</b> <small>(23 21 16 00-0492)</small>		
<small>Note: Up to 175 psi. Stainless steel float.</small>		
23 21 16 00-0494 EA 1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) .....	194.82	15.91
23 21 16 00-0495 EA 3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) .....	199.07	18.03
23 21 16 00-0496 EA 1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) .....	207.55	22.28
<b>23 21 16 00-0497 Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)</b> <small>(23 21 16 00-0492)</small>		
<small>Note: Up to 175 psi. Stainless steel float.</small>		
23 21 16 00-0498 EA 1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A) .....	806.25	22.28
23 21 16 00-0499 EA 2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) .....	964.87	38.72
23 21 16 00-0500 EA 3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) .....	1,264.19	90.27
<b>23 21 16 00-0501 Cast Iron, Air/Vacuum Valves</b> <small>(23 21 16 00-0492)</small>		
<small>Note: Up to 150 psi. Stainless steel float.</small>		
23 21 16 00-0502 EA 1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141) .....	388.87	15.91
23 21 16 00-0503 EA 1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142) .....	479.22	22.28
23 21 16 00-0504 EA 2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144) .....	827.75	38.72
23 21 16 00-0505 EA 3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146) .....	1,202.09	90.27
23 21 16 00-0506 EA 4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152) .....	1,878.92	151.53
23 21 16 00-0507 EA 6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153) .....	2,865.62	191.61
<b>23 21 16 00-0508 Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice</b> <small>(23 21 16 00-0492)</small>		
<small>Note: Up to 150 psi. Stainless Steel float.</small>		
23 21 16 00-0509 EA 1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C) .....	696.55	22.28
23 21 16 00-0510 EA 2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C) .....	1,068.37	38.72
23 21 16 00-0511 EA 3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C) .....	1,965.35	90.27
23 21 16 00-0512 EA 4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C) .....	2,543.85	151.53
<b>23 21 23 Hydronic Pumps</b> <small>(23 21)</small>		
<b>23 21 23 13 In-Line Centrifugal Hydronic Pumps</b> <small>(23 21 23)</small>		
<b>23 21 23 13-0001 Cast Iron Single Stage In-Line Centrifugal Pump</b> <small>(23 21 23 13)</small>		
<small>Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.</small>		
23 21 23 13-0002 EA 3 HP, 50 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump .....	5,149.70	283.32
<i>For Cast Steel Case, Add</i>		
	774.03	
<i>For Mechanical Seal, Add</i>		
	344.01	
23 21 23 13-0003 EA 5 HP, 75 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump .....	5,638.27	342.92
<i>For Cast Steel Case, Add</i>		
	829.77	
<i>For Mechanical Seal, Add</i>		
	368.79	
23 21 23 13-0004 EA 7-1/2 HP, 100 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump .....	6,521.97	407.41
<i>For Cast Steel Case, Add</i>		
	954.13	
<i>For Mechanical Seal, Add</i>		
	424.06	
23 21 23 13-0005 EA 10 HP, 125 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump .....	7,344.19	543.20
<i>For Cast Steel Case, Add</i>		
	1,028.86	
<i>For Mechanical Seal, Add</i>		
	457.27	
23 21 23 13-0006 EA 15 HP, 150 GPM At 200' Head, Single Stage Cast Iron In-Line Circulating Pump .....	8,405.75	592.05
<i>For Cast Steel Case, Add</i>		
	1,193.29	
<i>For Mechanical Seal, Add</i>		
	530.35	
23 21 23 13-0007 EA 30 HP, 200 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump .....	12,460.18	651.65
<i>For Cast Steel Case, Add</i>		
	1,891.11	
<i>For Mechanical Seal, Add</i>		
	840.50	
23 21 23 13-0008 EA 40 HP, 250 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump .....	14,663.80	813.84
<i>For Cast Steel Case, Add</i>		
	2,199.84	
<i>For Mechanical Seal, Add</i>		
	977.71	
23 21 23 13-0009 EA 50 HP, 300 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump .....	20,307.85	930.09
<i>For Cast Steel Case, Add</i>		
	3,152.96	
<i>For Mechanical Seal, Add</i>		
	1,401.32	
23 21 23 13-0010 EA 75 HP, 400 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump .....	25,735.48	974.61
<i>For Cast Steel Case, Add</i>		
	4,106.08	
<i>For Mechanical Seal, Add</i>		
	1,824.92	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 21 23 13-0011	EA	100 HP, 600 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump .....	28,186.22	1,252.80
		<i>For Cast Steel Case, Add</i>	4,396.84	
		<i>For Mechanical Seal, Add</i>	1,954.15	

**23 21 23 13-0012 Cast Iron, Single Stage, Vertical In-Line, Close Coupled, Pump (23 21 23 13)**

Note: For general service, 125 LB flanged, 1,800 RPM TEFC motor.

23 21 23 13-0013	EA	1/2 HP, 1-1/2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump .....	1,806.45	162.67
23 21 23 13-0014	EA	3/4 HP, 2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump .....	3,152.33	185.93
23 21 23 13-0015	EA	1 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump .....	3,428.56	208.20
23 21 23 13-0016	EA	1-1/2 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump .....	3,608.50	226.37
23 21 23 13-0017	EA	2 HP, 4" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump .....	4,698.25	247.86
23 21 23 13-0018	EA	3 HP, 5" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump .....	4,839.36	273.95
23 21 23 13-0019	EA	5 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump .....	5,537.55	325.33
23 21 23 13-0020	EA	7-1/2 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump .....	6,453.40	400.47
23 21 23 13-0021	EA	10 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump .....	8,268.98	433.78
23 21 23 13-0022	EA	15 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump .....	9,642.71	459.28
23 21 23 13-0023	EA	20 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump .....	12,343.88	488.01
23 21 23 13-0024	EA	25 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump .....	13,020.34	504.32
23 21 23 13-0025	EA	30 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump .....	13,696.79	520.54
23 21 23 13-0026	EA	40 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump .....	16,235.18	557.77
23 21 23 13-0027	EA	50 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump .....	17,583.45	644.47
23 21 23 13-0028	EA	60 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump .....	19,531.38	930.85
23 21 23 13-0029	EA	75 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump .....	23,414.51	1,861.71
23 21 23 13-0030	EA	100 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump .....	26,959.40	2,234.04

**23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps (23 21 23)**

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

**23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)**

Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

23 21 23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T) .....	6,492.49	309.71
23 21 23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T) .....	7,294.70	310.09
23 21 23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T) .....	9,629.40	407.41
23 21 23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T) .....	10,522.15	501.19
23 21 23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T) .....	11,810.60	501.19
23 21 23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T) .....	11,458.12	543.20
23 21 23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T) .....	12,190.65	543.20
23 21 23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T) .....	13,322.58	569.59
23 21 23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T) .....	14,792.03	723.96
23 21 23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T) .....	15,628.02	813.84
23 21 23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T) .....	23,641.53	1,957.10
23 21 23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T) .....	34,506.29	2,348.10
23 21 23 16-0014	EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS) .....	39,004.77	2,935.12

**23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)**

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0016	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case .....	4,749.70	227.63
		<i>For 300 LB Flanges, Add</i>	1,084.80	
23 21 23 16-0017	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case .....	6,000.62	244.25
		<i>For 300 LB Flanges, Add</i>	1,408.56	
23 21 23 16-0018	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case .....	7,513.51	260.86
		<i>For 300 LB Flanges, Add</i>	1,769.82	
23 21 23 16-0019	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case .....	8,780.49	309.71
		<i>For 300 LB Flanges, Add</i>	2,055.55	
23 21 23 16-0020	EA	7-1/2 HP, 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case .....	9,227.96	310.09
		<i>For 300 LB Flanges, Add</i>	2,160.44	
23 21 23 16-0021	EA	10 HP, 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case .....	9,683.00	407.41
		<i>For 300 LB Flanges, Add</i>	2,237.57	
23 21 23 16-0022	EA	10 HP, 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case .....	9,893.86	407.41
		<i>For 300 LB Flanges, Add</i>	2,290.28	
23 21 23 16-0023	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case .....	10,360.90	407.41
		<i>For 300 LB Flanges, Add</i>	2,407.04	
23 21 23 16-0024	EA	15 HP, 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case .....	12,043.97	501.19
		<i>For 300 LB Flanges, Add</i>	2,785.53	
23 21 23 16-0025	EA	17-1/2 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case .....	12,237.86	500.81
		<i>For 300 LB Flanges, Add</i>	2,824.91	
23 21 23 16-0026	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case .....	12,896.20	543.20
		<i>For 300 LB Flanges, Add</i>	2,979.80	
23 21 23 16-0027	EA	25 HP, 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case .....	14,145.84	569.59
		<i>For 300 LB Flanges, Add</i>	3,272.69	
23 21 23 16-0028	EA	30 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case .....	15,678.00	723.96
		<i>For 300 LB Flanges, Add</i>	3,593.84	
23 21 23 16-0029	EA	40 HP, 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case .....	17,781.33	813.84
		<i>For 300 LB Flanges, Add</i>	4,078.96	
23 21 23 16-0030	EA	60 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case .....	28,209.57	1,957.10
		<i>For 300 LB Flanges, Add</i>	6,108.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0031 EA 75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case ..... <i>For 300 LB Flanges, Add</i>	33,563.88 7,258.85	2,348.10
23 21 23 16-0032 EA 100 HP, 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case ..... <i>For 300 LB Flanges, Add</i>	40,978.54 8,829.49	2,935.12
<b>23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump</b> <small>(23 21 23 16)</small> Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.		
23 21 23 16-0034 EA 1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case..... <i>For 300 LB Flanges, Add</i>	4,568.51 1,039.50	227.63
23 21 23 16-0035 EA 2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case..... <i>For 300 LB Flanges, Add</i>	4,696.19 1,064.12	244.25
23 21 23 16-0036 EA 3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case..... <i>For 300 LB Flanges, Add</i>	4,823.98 1,088.76	260.86
23 21 23 16-0037 EA 5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case..... <i>For 300 LB Flanges, Add</i>	5,229.98 1,187.37	266.72
23 21 23 16-0038 EA 7-1/2 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case..... <i>For 300 LB Flanges, Add</i>	8,453.81 1,973.88	309.71
23 21 23 16-0039 EA 10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case..... <i>For 300 LB Flanges, Add</i>	10,226.23 2,398.16	407.41
23 21 23 16-0040 EA 15 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case..... <i>For 300 LB Flanges, Add</i>	11,506.02 2,693.32	439.64
23 21 23 16-0041 EA 20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case..... <i>For 300 LB Flanges, Add</i>	12,212.07 2,827.56	488.49
23 21 23 16-0042 EA 25 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case..... <i>For 300 LB Flanges, Add</i>	13,555.87 3,169.67	487.78
23 21 23 16-0043 EA 40 HP, 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case..... <i>For 300 LB Flanges, Add</i>	15,237.86 3,527.51	626.87
23 21 23 16-0044 EA 50 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case..... <i>For 300 LB Flanges, Add</i>	19,392.38 4,470.72	783.05
23 21 23 16-0045 EA 75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case..... <i>For 300 LB Flanges, Add</i>	24,738.50 5,712.91	978.02
23 21 23 16-0046 EA 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP..... <i>For 300 LB Flanges, Add</i>	31,076.50 7,203.07	1,174.04
23 21 23 16-0047 EA 150 HP, 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case..... <i>For 300 LB Flanges, Add</i>	36,776.68 8,565.22	1,304.03
23 21 23 16-0048 EA 200 HP, 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case..... <i>For 300 LB Flanges, Add</i>	42,433.60 9,799.74	1,677.21
<b>23 21 23 16-0049 Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump</b> <small>(23 21 23 16)</small> Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.		
23 21 23 16-0050 EA 40 HP, 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case..... <i>For 300 LB Flanges, Add</i>	28,460.13 6,889.57	501.19
23 21 23 16-0051 EA 50 HP, 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case..... <i>For 300 LB Flanges, Add</i>	30,724.84 7,436.96	543.20
23 21 23 16-0052 EA 75 HP, 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case..... <i>For 300 LB Flanges, Add</i>	41,047.96 9,924.10	737.93
23 21 23 16-0053 EA 100 HP, 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case..... <i>For 300 LB Flanges, Add</i>	48,025.78 11,541.85	1,013.97
23 21 23 16-0054 EA 200 HP, 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case..... <i>For 300 LB Flanges, Add</i>	66,601.71 16,030.96	1,351.96
<b>23 21 23 16-0055 Cast Iron Close Coupling Pumps</b> <small>(23 21 23 16)</small>		
<b>23 21 23 16-0056 Foot Mounted Cast Iron Close Coupled Pumps</b> <small>(23 21 23 16-0055)</small>		
23 21 23 16-0057 EA 3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM) .....	5,804.32	293.10
23 21 23 16-0058 EA 3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM).....	6,331.28	293.10
23 21 23 16-0059 EA 5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM) .....	7,048.96	309.39
23 21 23 16-0060 EA 5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM) .....	7,515.12	309.39
23 21 23 16-0061 EA 7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM) .....	8,652.63	325.33
23 21 23 16-0062 EA 10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM) .....	10,251.79	391.61
23 21 23 16-0063 EA 15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP) .....	13,474.73	482.42
23 21 23 16-0064 EA 20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP) .....	14,421.88	522.13
23 21 23 16-0065 EA 25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP) .....	16,724.50	563.90
<b>23 21 23 16-0066 Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt</b> <small>(23 21 23 16)</small>		
23 21 23 16-0067 EA 1/3 HP, Centrifugal Pump, Polypropylene Body .....	1,449.28	151.36

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 21	23 16-0068	EA	1/2 HP, Centrifugal Pump, Polypropylene Body .....	1,546.36	160.48
23 21	23 16-0069	EA	3/4 HP, Centrifugal Pump, Polypropylene Body .....	1,807.94	170.88
<b>23 21 23 23 Vertical-Turbine Hydronic Pumps<sup>(23 21 23)</sup></b>					
See CSI section 26 29 23 00-0000 for variable frequency motor controllers.					
23 21	23 23-0001		<b>Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps<sup>(23 21 23 23)</sup></b>		
Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.					
23 21	23 23-0002	EA	2 HP, 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage .....	9,425.96	723.96
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	239.36	
			For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add .....	333.62	
			For Each Extra Column Assembly <60", Add .....	797.50	
23 21	23 23-0003	EA	3 HP, 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage .....	10,816.71	813.84
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	280.73	
			For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add .....	388.90	
			For Each Extra Column Assembly <60", Add .....	909.11	
23 21	23 23-0004	EA	15 HP, 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage .....	13,068.29	783.05
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	335.89	
			For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add .....	466.58	
			For Each Extra Column Assembly <60", Add .....	1,101.62	
23 21	23 23-0005	EA	25 HP, 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage .....	15,339.78	903.60
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	402.14	
			For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add .....	555.53	
			For Each Extra Column Assembly <60", Add .....	1,285.24	
23 21	23 23-0006	EA	50 HP, 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage .....	18,820.48	978.02
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	501.72	
			For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add .....	689.92	
			For Each Extra Column Assembly <60", Add .....	1,568.53	
23 21	23 23-0007	EA	100 HP, 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage .....	24,686.18	1,174.04
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	665.11	
			For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add .....	911.97	
			For Each Extra Column Assembly <60", Add .....	2,050.37	
23 21	23 23-0008	EA	150 HP, 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage .....	29,581.60	1,467.56
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	793.10	
			For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add .....	1,088.92	
			For Each Extra Column Assembly <60", Add .....	2,460.87	
23 21	23 23-0009	EA	200 HP, 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage .....	47,001.61	1,677.21
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	1,302.23	
			For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add .....	1,772.24	
			For Each Extra Column Assembly <60", Add .....	3,867.95	
23 21	23 23-0010	EA	250 HP, 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage .....	61,495.18	1,957.10
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	1,719.06	
			For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add .....	2,334.02	
			For Each Extra Column Assembly <60", Add .....	5,045.41	
23 21	23 23-0011	EA	300 HP, 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage .....	85,870.90	2,348.10
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add .....	2,425.18	
			For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add .....	3,283.89	
			For Each Extra Column Assembly <60", Add .....	7,020.62	
<b>23 21 29 Automatic Condensate Pump Units<sup>(23 21)</sup></b>					
23 21	29 00-0001		<b>Automatic Shallow Pan Condensate Pump<sup>(23 21 29)</sup></b>		
23 21	29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS) .....	187.00	31.75
23 21	29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS) .....	202.45	31.75
23 21	29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS) .....	313.86	36.63
23 21	29 00-0005		<b>Automatic Condensate Pump With Tank<sup>(23 21 29)</sup></b>		
23 21	29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL) .....	103.54	24.43
23 21	29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20) .....	110.14	24.43
23 21	29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS) .....	181.95	31.75
23 21	29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS) .....	196.76	36.63
23 21	29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) .....	359.58	41.53
<b>23 22 Steam and Condensate Piping and Pumps<sup>(23 20)</sup></b>					
<b>23 22 16 Steam and Condensate Heating Piping Specialties<sup>(23 22)</sup></b>					
23 22	16 00-0001		<b>High Temperature Safety Relief Valve<sup>(23 22 16)</sup></b>		
Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.					
23 22	16 00-0002		<b>Cast Iron Body Safety Valve, Steam Or Water<sup>(23 22 16 00-0001)</sup></b>		
Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.					
23 22	16 00-0003		<b>Threaded<sup>(23 22 16 00-0002)</sup></b>		
23 22	16 00-0004	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water .....	478.99	15.90
23 22	16 00-0005	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water .....	500.78	18.82
23 22	16 00-0006	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water .....	551.70	23.86
23 22	16 00-0007	EA	1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water .....	681.15	26.51
23 22	16 00-0008	EA	2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water .....	872.35	32.60





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0009	EA			2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water .....	1,356.70	37.11
23 22 16 00-0010	EA			3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water .....	1,469.74	42.68
<b>23 22 16 00-0011 Flanged</b> <small>(23 22 16 00-0002)</small>						
23 22 16 00-0012	EA			1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water .....	3,391.64	111.32
23 22 16 00-0013	EA			2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water .....	3,945.62	167.34
23 22 16 00-0014	EA			2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water .....	4,361.60	154.11
23 22 16 00-0015	EA			2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water .....	5,294.80	222.59
23 22 16 00-0016	EA			3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water .....	5,656.80	165.99
23 22 16 00-0017	EA			3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water .....	6,644.10	222.59
23 22 16 00-0018	EA			4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water .....	11,123.24	315.87
23 22 16 00-0019	EA			6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water .....	22,147.27	352.77
<b>23 22 16 00-0020 Bronze Body Safety Valve, Threaded, Steam</b> <small>(23 22 16 00-0001)</small>						
Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.						
23 22 16 00-0021	EA			3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam .....	521.90	14.58
23 22 16 00-0022	EA			3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam .....	534.34	15.90
23 22 16 00-0023	EA			1" x 1" Threaded Bronze Body Safety Relief Valve, Steam .....	625.72	17.49
23 22 16 00-0024	EA			1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam .....	691.10	18.82
23 22 16 00-0025	EA			1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam .....	799.78	21.21
23 22 16 00-0026	EA			1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam .....	803.08	23.86
23 22 16 00-0027	EA			1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam .....	903.73	25.18
23 22 16 00-0028	EA			1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam .....	985.13	26.51
23 22 16 00-0029	EA			2" x 2" Threaded Bronze Body Safety Relief Valve, Steam .....	1,369.86	29.68
23 22 16 00-0030	EA			2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam .....	1,497.04	32.60
23 22 16 00-0031	EA			2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam .....	1,786.78	37.11
<b>23 22 16 00-0032 Bronze Body Safety Valve, Threaded, Water</b> <small>(23 22 16 00-0001)</small>						
Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.						
23 22 16 00-0033	EA			3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water .....	243.33	14.58
23 22 16 00-0034	EA			3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water .....	277.51	15.90
23 22 16 00-0035	EA			1" x 1" Threaded Bronze Body Safety Relief Valve, Water .....	385.76	17.49
23 22 16 00-0036	EA			1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water .....	424.88	18.82
23 22 16 00-0037	EA			1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water .....	616.39	21.21
23 22 16 00-0038	EA			1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water .....	832.53	25.18
23 22 16 00-0039	EA			2" x 2" Threaded Bronze Body Safety Relief Valve, Water .....	1,216.49	29.68
<b>23 22 16 00-0040 Steam Temperature Regulator, Iron Body</b> <small>(23 22 16)</small>						
<b>23 22 16 00-0041 Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body</b> <small>(23 22 16 00-0040)</small>						
Note: Up to 150 PSI.						
23 22 16 00-0042	EA			1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,294.91	15.26
23 22 16 00-0043	EA			3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,361.84	20.56
23 22 16 00-0044	EA			1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,807.58	25.34
23 22 16 00-0045	EA			1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,995.34	32.02
23 22 16 00-0046	EA			1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,046.81	36.79
23 22 16 00-0047	EA			2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,419.11	40.03
23 22 16 00-0048	EA			2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	3,076.26	73.33
23 22 16 00-0049	EA			3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,385.76	79.97
23 22 16 00-0050	EA			4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	3,555.09	187.18
23 22 16 00-0051	EA			6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	5,836.05	219.70
<b>23 22 16 00-0052 Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body</b> <small>(23 22 16 00-0040)</small>						
23 22 16 00-0053	EA			1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,920.75	15.26
23 22 16 00-0054	EA			3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,988.64	20.56
23 22 16 00-0055	EA			1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,076.73	25.34
23 22 16 00-0056	EA			1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,485.71	32.02
23 22 16 00-0057	EA			1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,662.56	36.79
23 22 16 00-0058	EA			2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	3,023.77	40.03
23 22 16 00-0059	EA			2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	4,632.21	73.33
23 22 16 00-0060	EA			3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	3,276.71	79.97
23 22 16 00-0061	EA			4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	4,599.56	187.18
23 22 16 00-0062	EA			6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	7,360.04	219.70
<b>23 22 16 00-0063 Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body</b> <small>(23 22 16 00-0040)</small>						
23 22 16 00-0064	EA			1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,618.54	15.26
23 22 16 00-0065	EA			3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,655.99	20.56
23 22 16 00-0066	EA			1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,906.32	25.34
23 22 16 00-0067	EA			1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	3,164.15	32.02
23 22 16 00-0068	EA			1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	3,278.31	36.79

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 22 Steam and Condensate Piping and Pumps**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0069 EA 2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,698.53	40.03
23 22 16 00-0070 EA 2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	6,844.45	73.33
23 22 16 00-0071 EA 3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,611.96	79.97
23 22 16 00-0072 EA 4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,906.92	187.18
23 22 16 00-0073 EA 6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	8,248.64	219.70
<b>23 22 16 00-0074 Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0040)</b>		
23 22 16 00-0075 EA 1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,355.96	15.26
23 22 16 00-0076 EA 3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,389.73	20.56
23 22 16 00-0077 EA 1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,680.61	25.34
23 22 16 00-0078 EA 1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	3,835.17	32.02
23 22 16 00-0079 EA 1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	3,982.53	36.79
23 22 16 00-0080 EA 2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,336.39	40.03
23 22 16 00-0081 EA 2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	7,213.16	73.33
23 22 16 00-0082 EA 3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,844.59	79.97
23 22 16 00-0083 EA 4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	6,139.54	187.18
23 22 16 00-0084 EA 6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	8,481.27	219.70
<b>23 22 16 00-0085 Steam Traps (23 22 16)</b>		
<b>23 22 16 00-0086 Inverted Bucket Steam Traps (23 22 16 00-0085)</b>		
23 22 16 00-0087 EA 1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	293.47	31.82
<i>For Work In Restricted Working Space, Add</i>	19.09	
23 22 16 00-0088 EA 3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	296.12	33.14
<i>For Work In Restricted Working Space, Add</i>	19.89	
23 22 16 00-0089 EA 1" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	440.68	35.32
<i>For Work In Restricted Working Space, Add</i>	21.21	
23 22 16 00-0090 EA 1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	713.04	48.21
<i>For Work In Restricted Working Space, Add</i>	28.93	
23 22 16 00-0091 EA 1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	1,061.84	59.40
<i>For Work In Restricted Working Space, Add</i>	35.35	
23 22 16 00-0092 EA 2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	1,354.68	88.39
<i>For Work In Restricted Working Space, Add</i>	53.04	
<b>23 22 16 00-0093 Float And Thermostatic Steam Traps (23 22 16 00-0085)</b>		
23 22 16 00-0094 EA 3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	310.22	33.14
<i>For Work In Restricted Working Space, Add</i>	19.89	
23 22 16 00-0095 EA 1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	408.91	35.35
<i>For Work In Restricted Working Space, Add</i>	21.21	
23 22 16 00-0096 EA 1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	505.63	48.21
<i>For Work In Restricted Working Space, Add</i>	28.93	
23 22 16 00-0097 EA 1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	684.01	58.93
<i>For Work In Restricted Working Space, Add</i>	35.36	
23 22 16 00-0098 EA 2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	1,251.18	88.36
<i>For Work In Restricted Working Space, Add</i>	53.03	
23 22 16 00-0099 EA 3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	395.15	33.14
<i>For Work In Restricted Working Space, Add</i>	19.89	
23 22 16 00-0100 EA 1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	429.47	35.32
<i>For Work In Restricted Working Space, Add</i>	21.21	
23 22 16 00-0101 EA 1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	561.68	48.21
<i>For Work In Restricted Working Space, Add</i>	28.93	
23 22 16 00-0102 EA 1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	807.33	58.87
<i>For Work In Restricted Working Space, Add</i>	35.36	
23 22 16 00-0103 EA 2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	1,376.38	88.39
<i>For Work In Restricted Working Space, Add</i>	53.03	
23 22 16 00-0104 EA 3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	512.87	33.14
<i>For Work In Restricted Working Space, Add</i>	19.89	
23 22 16 00-0105 EA 1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	571.47	35.35
<i>For Work In Restricted Working Space, Add</i>	21.21	
23 22 16 00-0106 EA 1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	869.99	48.21
<i>For Work In Restricted Working Space, Add</i>	28.93	
23 22 16 00-0107 EA 1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	891.42	58.87
<i>For Work In Restricted Working Space, Add</i>	35.36	
23 22 16 00-0108 EA 2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	1,729.52	88.39
<i>For Work In Restricted Working Space, Add</i>	53.03	
23 22 16 00-0109 EA 3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	520.34	33.14
<i>For Work In Restricted Working Space, Add</i>	19.89	
23 22 16 00-0110 EA 1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	571.47	35.35
<i>For Work In Restricted Working Space, Add</i>	21.21	
23 22 16 00-0111 EA 1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap .....	869.99	48.21
<i>For Work In Restricted Working Space, Add</i>	28.93	
23 22 16 00-0112 EA 1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap .....	891.42	58.87
<i>For Work In Restricted Working Space, Add</i>	35.36	
23 22 16 00-0113 EA 2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	1,729.52	88.39
<i>For Work In Restricted Working Space, Add</i>	53.03	
<b>23 22 16 00-0114 Thermostatic Steam Traps (23 22 16 00-0085)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0115 EA 1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	150.33 19.09	31.82
23 22 16 00-0116 EA 3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	251.26 19.89	33.14
23 22 16 00-0117 EA 1" 25 PSI Maximum Pressure Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	310.31 21.22	35.32
<b>23 22 16 00-0118 Thermodynamic Steam Traps</b> (23 22 16 00-0085)		
23 22 16 00-0119 EA 3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	331.92	28.64
23 22 16 00-0120 EA 1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	470.99	31.82
23 22 16 00-0121 EA 3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	583.87	33.14
23 22 16 00-0122 EA 1" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	782.61	35.32
<b>23 22 16 00-0123 Steam Moisture Separator</b> (23 22 16 00-0085)		
23 22 16 00-0124 EA 1/2" Steam Moisture Separator, Threaded (Spirax Sarco S1) .....	653.81	53.04
23 22 16 00-0125 EA 3/4" Steam Moisture Separator, Threaded (Spirax Sarco S1) .....	694.95	71.60
23 22 16 00-0126 EA 1" Steam Moisture Separator, Threaded (Spirax Sarco S1) .....	836.14	80.62
23 22 16 00-0127 EA 1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2) .....	1,318.41	92.28
23 22 16 00-0128 EA 2" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	1,618.13	141.39
23 22 16 00-0129 EA 2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3) .....	2,431.69	153.80
23 22 16 00-0130 EA 3" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	2,783.58	180.32
23 22 16 00-0131 EA 4" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	3,839.84	302.30
23 22 16 00-0132 EA 6" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	7,480.50	381.85
<b>23 22 16 00-0133 Steam/Condensate Meter</b> (23 22 16)		
Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.		
23 22 16 00-0134 EA 1" Steam/Condensate Meter.....	5,429.69	87.87
<i>For Direct Reading Pressure Gauge, Add</i>		
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>		
<i>For Steam Meter Pressure-Compensated Counter, Add</i>		
<i>For Contactor Used For Dial Counter, Add</i>		
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>		
23 22 16 00-0135 EA 2" Steam/Condensate Meter.....	6,126.00	103.26
<i>For Direct Reading Pressure Gauge, Add</i>		
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>		
<i>For Steam Meter Pressure-Compensated Counter, Add</i>		
<i>For Contactor Used For Dial Counter, Add</i>		
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>		
23 22 16 00-0136 EA 2-1/2" Steam/Condensate Meter.....	6,497.10	128.15
<i>For Direct Reading Pressure Gauge, Add</i>		
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>		
<i>For Steam Meter Pressure-Compensated Counter, Add</i>		
<i>For Contactor Used For Dial Counter, Add</i>		
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>		
23 22 16 00-0137 EA 3" Steam/Condensate Meter.....	6,888.71	168.43
<i>For Direct Reading Pressure Gauge, Add</i>		
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>		
<i>For Steam Meter Pressure-Compensated Counter, Add</i>		
<i>For Contactor Used For Dial Counter, Add</i>		
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>		
23 22 16 00-0138 EA 4" Steam/Condensate Meter.....	7,763.58	261.68
<i>For Direct Reading Pressure Gauge, Add</i>		
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>		
<i>For Steam Meter Pressure-Compensated Counter, Add</i>		
<i>For Contactor Used For Dial Counter, Add</i>		
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>		
23 22 16 00-0139 EA 6" Steam/Condensate Meter.....	13,300.27	331.01
<i>For Direct Reading Pressure Gauge, Add</i>		
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>		
<i>For Steam Meter Pressure-Compensated Counter, Add</i>		
<i>For Contactor Used For Dial Counter, Add</i>		
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>		
23 22 16 00-0140 EA 8" Steam/Condensate Meter.....	13,773.13	417.90
<i>For Direct Reading Pressure Gauge, Add</i>		
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>		
<i>For Steam Meter Pressure-Compensated Counter, Add</i>		
<i>For Contactor Used For Dial Counter, Add</i>		
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>		
23 22 16 00-0141 EA 10" Steam/Condensate Meter.....	14,405.93	512.62
<i>For Direct Reading Pressure Gauge, Add</i>		
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>		
<i>For Steam Meter Pressure-Compensated Counter, Add</i>		
<i>For Contactor Used For Dial Counter, Add</i>		
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>		
23 22 16 00-0142 EA 12" Steam/Condensate Meter.....	15,096.78	622.46
<i>For Direct Reading Pressure Gauge, Add</i>		
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>		
<i>For Steam Meter Pressure-Compensated Counter, Add</i>		
<i>For Contactor Used For Dial Counter, Add</i>		
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0143 EA 14" Steam/Condensate Meter .....	16,069.22	732.30
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0144 EA 16" Steam/Condensate Meter .....	16,636.17	805.54
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
<b>23 22 23 Steam Condensate Pumps (23 22)</b>		
<b>23 22 23 13 Electric-Driven Steam Condensate Pumps (23 22 23)</b>		
<b>23 22 23 13-0001 Simplex Condensate Pumps And Motors (23 22 23 13)</b>		
Note: Cast iron receiver, float switch.		
<b>23 22 23 13-0002 20 PSI Discharge Pressure (23 22 23 13-0001)</b>		
23 22 23 13-0003 EA 3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	1,934.21	497.29
23 22 23 13-0004 EA 9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	2,484.99	510.97
23 22 23 13-0005 EA 15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	2,598.88	545.16
23 22 23 13-0006 EA 22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	2,862.05	551.02
23 22 23 13-0007 EA 30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	3,198.07	599.87
23 22 23 13-0008 EA 37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	4,701.70	599.87
23 22 23 13-0009 EA 45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	4,779.54	640.90
23 22 23 13-0010 EA 60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	5,830.29	670.21
23 22 23 13-0011 EA 75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	5,889.78	699.53
<b>23 22 23 13-0012 30 PSI Discharge Pressure (23 22 23 13-0001)</b>		
23 22 23 13-0013 EA 3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	2,220.07	531.48
23 22 23 13-0014 EA 9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	2,892.68	545.16
23 22 23 13-0015 EA 15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	3,003.74	581.31
23 22 23 13-0016 EA 22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	3,473.74	628.20
23 22 23 13-0017 EA 30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	4,779.54	641.88
23 22 23 13-0018 EA 45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	4,911.66	664.35
23 22 23 13-0019 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	5,060.93	699.53
23 22 23 13-0020 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	5,871.00	744.47
<b>23 22 23 13-0021 40 PSI Discharge Pressure (23 22 23 13-0001)</b>		
23 22 23 13-0022 EA 3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	2,474.66	609.64
23 22 23 13-0023 EA 9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	3,129.34	658.49
23 22 23 13-0024 EA 22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	3,665.57	650.68
23 22 23 13-0025 EA 30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	4,887.78	664.35
23 22 23 13-0026 EA 45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	4,991.46	692.69
23 22 23 13-0027 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	5,889.78	699.53
23 22 23 13-0028 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	5,972.51	744.47
<b>23 22 23 13-0029 50 PSI Discharge Pressure (23 22 23 13-0001)</b>		
23 22 23 13-0030 EA 3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure .....	4,661.95	660.45
23 22 23 13-0031 EA 9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure .....	3,377.09	674.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0032 EA 22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	3,880.33	679.01
23 22 23 13-0033 EA 30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	5,072.98	738.60
23 22 23 13-0034 EA 60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	8,002.16	796.25
<b>23 22 23 13-0035 Duplex Condensate Pumps And Motors</b> <small>(23 22 23 13)</small> Note: Cast iron receiver, float switch, alternator assembly.		
<b>23 22 23 13-0036 20 PSI Discharge Pressure</b> <small>(23 22 23 13-0035)</small>		
23 22 23 13-0037 EA 9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,190.78	667.29
23 22 23 13-0038 EA 15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,381.43	732.74
23 22 23 13-0039 EA 22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,694.76	738.60
23 22 23 13-0040 EA 30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,128.59	805.04
23 22 23 13-0041 EA 37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,751.65	805.04
23 22 23 13-0042 EA 45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,861.94	867.57
23 22 23 13-0043 EA 60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	6,942.89	905.68
23 22 23 13-0044 EA 75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	7,115.18	950.61
<b>23 22 23 13-0045 30 PSI Discharge Pressure</b> <small>(23 22 23 13-0035)</small>		
23 22 23 13-0046 EA 9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,133.61	719.06
23 22 23 13-0047 EA 15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,328.38	785.50
23 22 23 13-0048 EA 22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,790.23	765.96
23 22 23 13-0049 EA 30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,861.94	867.57
23 22 23 13-0050 EA 45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	6,029.03	899.80
23 22 23 13-0051 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	6,876.32	950.61
23 22 23 13-0052 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	7,217.76	1,019.00
<b>23 22 23 13-0053 40 PSI Discharge Pressure</b> <small>(23 22 23 13-0035)</small>		
23 22 23 13-0054 EA 9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,486.44	848.03
23 22 23 13-0055 EA 22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,954.92	886.13
23 22 23 13-0056 EA 30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	6,043.36	899.80
23 22 23 13-0057 EA 45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	6,216.86	944.75
23 22 23 13-0058 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	7,116.37	950.61
23 22 23 13-0059 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	7,246.42	1,019.00
<b>23 22 23 13-0060 50 PSI Discharge Pressure</b> <small>(23 22 23 13-0035)</small>		
23 22 23 13-0061 EA 9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,684.70	848.03
23 22 23 13-0062 EA 22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	5,056.75	932.05
23 22 23 13-0063 EA 30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	6,348.09	1,012.16
23 22 23 13-0064 EA 60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	11,031.36	1,096.18
<b>23 23 Refrigerant Piping</b> <small>(23 20)</small>		
<b>23 23 13 Refrigerant Piping Valves</b> <small>(23 23)</small>		
23 23 13 00-0001 Ball Valves <small>(23 23 13)</small>		
23 23 13 00-0002 Refrigeration Ball Valves, Sweat, 1400 Series <small>(23 23 13 00-0001)</small>		
23 23 13 00-0003 EA 3/8" Refrigeration Ball Valve, Sweated.....	42.73	10.60
23 23 13 00-0004 EA 1/2" Refrigeration Ball Valve, Sweated.....	44.45	10.60
23 23 13 00-0005 EA 5/8" Refrigeration Ball Valve, Sweated.....	59.43	10.60

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 13 00-0006 EA 7/8" Refrigeration Ball Valve, Sweated .....	79.56	11.67
23 23 13 00-0007 EA 1-1/8" Refrigeration Ball Valve, Sweated .....	111.30	13.25
23 23 13 00-0008 EA 1-5/8" Refrigeration Ball Valve, Sweated .....	181.12	16.33
<b>23 23 13 00-0009 Shut-Off Valves (23 23 13)</b>		
<b>23 23 13 00-0010 Packless (23 23 13 00-0009)</b>		
23 23 13 00-0011 EA 1/2" Refrigeration Valve, Packless .....	56.59	11.03
23 23 13 00-0012 EA 5/8" Refrigeration Valve, Packless .....	70.70	12.10
23 23 13 00-0013 EA 7/8" Refrigeration Valve, Packless .....	144.64	16.55
<b>23 23 13 00-0014 Packed (23 23 13 00-0009)</b>		
23 23 13 00-0015 EA 1-1/8" Refrigeration Valve, Packed .....	256.80	24.08
23 23 13 00-0016 EA 1 3/8" Refrigeration Valve, Packed .....	343.22	29.48
23 23 13 00-0017 EA 1-5/8" Refrigeration Valve, Packed .....	418.00	33.20
23 23 13 00-0018 EA 2-1/8" Refrigeration Valve, Packed .....	596.90	37.87
23 23 13 00-0019 EA 2-5/8" Refrigeration Valve, Packed .....	991.95	106.07
23 23 13 00-0020 EA 3-1/8" Refrigeration Valve, Packed .....	1,301.43	132.59
23 23 13 00-0021 EA 4-1/8" Refrigeration Valve, Packed .....	1,850.23	176.82
<b>23 23 13 00-0022 Check Valves (23 23 13)</b>		
23 23 13 00-0023 EA 5/8" Check Valve, Refrigeration .....	71.65	10.60
23 23 13 00-0024 EA 7/8" Check Valve, Refrigeration .....	225.05	11.67
23 23 13 00-0025 EA 1-1/8" Check Valve, Refrigeration .....	261.05	13.25
23 23 13 00-0026 EA 1 3/8" Check Valve, Refrigeration .....	351.49	14.11
23 23 13 00-0027 EA 1-5/8" Check Valve, Refrigeration .....	462.55	16.34
23 23 13 00-0028 EA 2-1/8" Check Valve, Refrigeration .....	685.41	19.30
23 23 13 00-0029 EA 2-5/8" Check Valve, Refrigeration .....	959.40	28.32
23 23 13 00-0030 EA 3-1/8" Check Valve, Refrigeration .....	1,268.80	37.12
<b>23 23 13 00-0031 Solenoid Valves (23 23 13)</b>		
<b>23 23 13 00-0032 Solenoid Valve, 24 Volt Coil (23 23 13 00-0031)</b>		
23 23 13 00-0033 EA 1/2" Solenoid Valve, Refrigeration .....	209.42	10.60
23 23 13 00-0034 EA 5/8" Solenoid Valve, Refrigeration .....	214.51	10.60
23 23 13 00-0035 EA 3/4" Solenoid Valve, Refrigeration .....	264.93	11.67
23 23 13 00-0036 EA 7/8" Solenoid Valve, Refrigeration .....	264.93	11.67
23 23 13 00-0037 EA 1-1/8" Solenoid Valve, Refrigeration .....	371.54	13.25
23 23 13 00-0038 EA 1 3/8" Solenoid Valve, Refrigeration .....	597.74	14.11
23 23 13 00-0039 EA 1-5/8" Solenoid Valve, Refrigeration .....	1,103.84	16.34
23 23 13 00-0040 EA 2-1/8" Solenoid Valve, Refrigeration .....	1,118.66	19.30
<b>23 23 16 Refrigerant Piping Specialties (23 23)</b>		
<b>23 23 16 00-0001 Soft Refrigeration Copper Tubing (23 23 16)</b>		
Note: Based on outside diameter. Nitrogenized. Lengths up to 100' See CSI section 22 07 19 00-0338 for flexible elastomeric insulation (insulation on suction line only).		
23 23 16 00-0002 LF 1/8" Outside Diameter Soft Refrigeration Copper Tubing .....	4.54	2.52
23 23 16 00-0003 LF 3/16" Outside Diameter Soft Refrigeration Copper Tubing .....	4.76	2.59
23 23 16 00-0004 LF 1/4" Outside Diameter Soft Refrigeration Copper Tubing .....	5.00	2.66
23 23 16 00-0005 LF 5/16" Outside Diameter Soft Refrigeration Copper Tubing .....	5.39	2.70
23 23 16 00-0006 LF 3/8" Outside Diameter Soft Refrigeration Copper Tubing .....	5.56	2.75
23 23 16 00-0007 LF 1/2" Outside Diameter Soft Refrigeration Copper Tubing .....	6.32	2.88
23 23 16 00-0008 LF 5/8" Outside Diameter Soft Refrigeration Copper Tubing .....	7.01	2.91
23 23 16 00-0009 LF 3/4" Outside Diameter Soft Refrigeration Copper Tubing .....	7.72	3.02
23 23 16 00-0010 LF 7/8" Outside Diameter Soft Refrigeration Copper Tubing .....	10.05	3.54
23 23 16 00-0011 LF 1-1/8" Outside Diameter Soft Refrigeration Copper Tubing .....	12.89	4.06
23 23 16 00-0012 LF 1-3/8" Outside Diameter Soft Refrigeration Copper Tubing .....	18.92	4.81
23 23 16 00-0013 LF 1-5/8" Outside Diameter Soft Refrigeration Copper Tubing .....	22.92	5.38
<b>23 23 16 00-0014 Type L Drawn, ACR Copper Tubing (23 23 16)</b>		
Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-0338 for flexible elastomeric insulation (insulation on suction line only).		
23 23 16 00-0015 LF 3/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....	6.17	2.97
For Medical Applications "Oxygen Clean", Add	0.54	
23 23 16 00-0016 LF 1/2" Outside Diameter Type L Drawn, ACR Copper Tubing .....	7.03	2.97
For Medical Applications "Oxygen Clean", Add	0.58	
23 23 16 00-0017 LF 5/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....	7.58	2.97
For Medical Applications "Oxygen Clean", Add	0.61	
23 23 16 00-0018 LF 3/4" Outside Diameter Type L Drawn, ACR Copper Tubing .....	10.93	4.46
For Medical Applications "Oxygen Clean", Add	0.88	
23 23 16 00-0019 LF 7/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....	11.95	4.78
For Medical Applications "Oxygen Clean", Add	0.96	
23 23 16 00-0020 LF 1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....	14.11	4.78
For Medical Applications "Oxygen Clean", Add	1.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0021 LF 1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing..... <i>For Medical Applications "Oxygen Clean", Add</i>	17.66 1.30	5.51
23 23 16 00-0022 LF 1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing..... <i>For Medical Applications "Oxygen Clean", Add</i>	21.47 1.55	6.36
23 23 16 00-0023 LF 2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing..... <i>For Medical Applications "Oxygen Clean", Add</i>	30.65 2.13	7.95
23 23 16 00-0024 LF 2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing..... <i>For Medical Applications "Oxygen Clean", Add</i>	45.97 3.20	11.98
23 23 16 00-0025 LF 3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing..... <i>For Medical Applications "Oxygen Clean", Add</i>	59.65 4.10	14.85
23 23 16 00-0026 LF 3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing..... <i>For Medical Applications "Oxygen Clean", Add</i>	75.32 5.09	17.60
23 23 16 00-0027 LF 4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing..... <i>For Medical Applications "Oxygen Clean", Add</i>	93.26 6.25	21.22
<b>23 23 16 00-0028 Refrigeration Fittings (23 23 16)</b>		
<b>23 23 16 00-0029 Brass Flare Fittings (23 23 16 00-0028)</b>		
<b>23 23 16 00-0030 Brass Flare Unions (23 23 16 00-0029)</b>		
23 23 16 00-0031 EA 3/8" Brass Flare Union.....	24.91	11.45
23 23 16 00-0032 EA 1/2" Brass Flare Union.....	24.91	11.45
23 23 16 00-0033 EA 5/8" Brass Flare Union.....	26.92	11.45
<b>23 23 16 00-0034 90 Degree Elbow Brass Flare Unions (23 23 16 00-0029)</b>		
23 23 16 00-0035 EA 3/8" 90 Degree Brass Flare Elbow Union .....	26.13	11.45
23 23 16 00-0036 EA 1/2" 90 Degree Brass Flare Elbow Union .....	26.13	11.45
23 23 16 00-0037 EA 5/8" 90 Degree Brass Flare Elbow Union .....	32.86	11.45
<b>23 23 16 00-0038 Brass Flare Tees (23 23 16 00-0029)</b>		
23 23 16 00-0039 EA 3/8" Brass Flare Tee.....	40.11	19.08
23 23 16 00-0040 EA 1/2" Brass Flare Tee.....	43.12	19.08
23 23 16 00-0041 EA 5/8" Brass Flare Tee.....	59.45	19.08
<b>23 23 16 00-0042 Male Connector, Half Brass Flare Unions (23 23 16 00-0029)</b>		
23 23 16 00-0043 EA 3/8" Brass Flare Male Connector, Half Union .....	19.39	11.45
23 23 16 00-0044 EA 1/2" Brass Flare Male Connector, Half Union .....	21.40	11.45
23 23 16 00-0045 EA 5/8" Brass Flare Male Connector, Half Union .....	24.26	11.45
<b>23 23 16 00-0046 Female Connector, Half Brass Flare Unions (23 23 16 00-0029)</b>		
23 23 16 00-0047 EA 3/8" Brass Flare Female Connector, Half Union .....	21.97	11.45
23 23 16 00-0048 EA 1/2" Brass Flare Female Connector, Half Union .....	24.70	11.45
23 23 16 00-0049 EA 5/8" Brass Flare Female Connector, Half Union .....	24.70	11.45
<b>23 23 16 00-0050 Long Forged Nuts (23 23 16 00-0029)</b>		
23 23 16 00-0051 EA 3/8" Brass Long Forged Nut .....	20.61	11.45
23 23 16 00-0052 EA 1/2" Brass Long Forged Nut .....	21.40	11.45
23 23 16 00-0053 EA 5/8" Brass Long Forged Nut .....	30.13	11.45
<b>23 23 16 00-0054 Short Forged Nuts (23 23 16 00-0029)</b>		
23 23 16 00-0055 EA 3/8" Brass Short Forged Nut.....	19.47	11.45
23 23 16 00-0056 EA 1/2" Brass Short Forged Nut.....	21.29	11.45
23 23 16 00-0057 EA 5/8" Brass Short Forged Nut.....	21.66	11.45
<b>23 23 16 00-0058 ACR Wrought Copper Fittings (23 23 16 00-0028)</b>		
Note: Soldered.		
<b>23 23 16 00-0059 ACR Wrought Copper Coupling (23 23 16 00-0058)</b>		
Note: C x C		
23 23 16 00-0060 EA 1/4" ACR Wrought Copper Coupling.....	18.93	11.45
23 23 16 00-0061 EA 3/8" ACR Wrought Copper Coupling.....	18.60	11.45
23 23 16 00-0062 EA 1/2" ACR Wrought Copper Coupling.....	19.08	11.45
23 23 16 00-0063 EA 5/8" ACR Wrought Copper Coupling.....	19.63	11.98
23 23 16 00-0064 EA 3/4" ACR Wrought Copper Coupling.....	28.07	15.80
23 23 16 00-0065 EA 7/8" ACR Wrought Copper Coupling.....	27.59	16.23
23 23 16 00-0066 EA 1-1/8" ACR Wrought Copper Coupling .....	36.74	20.15
23 23 16 00-0067 EA 1-3/8" ACR Wrought Copper Coupling .....	52.88	27.58
23 23 16 00-0068 EA 1-5/8" ACR Wrought Copper Coupling .....	63.77	32.36
23 23 16 00-0069 EA 2-1/8" ACR Wrought Copper Coupling .....	84.20	39.25
23 23 16 00-0070 EA 2-5/8" ACR Wrought Copper Coupling .....	146.57	59.61
23 23 16 00-0071 EA 3-1/8" ACR Wrought Copper Coupling .....	195.51	78.39
23 23 16 00-0072 EA 4-1/8" ACR Wrought Copper Coupling .....	316.89	93.13

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

23 23 16 00-0073		ACR Wrought Copper Short Radius 90 Degree Elbows (23 23 16 00-0058)	
Note: C x C			
23 23 16 00-0074	EA	1/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	23.24 11.45
23 23 16 00-0075	EA	3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	23.56 11.45
23 23 16 00-0076	EA	1/2" ACR Wrought Copper Short Radius 90 Degree Elbow.....	23.24 11.45
23 23 16 00-0077	EA	5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	25.23 11.98
23 23 16 00-0078	EA	3/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	36.88 15.80
23 23 16 00-0079	EA	7/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	37.35 16.23
23 23 16 00-0080	EA	1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	47.64 20.15
23 23 16 00-0081	EA	1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	59.16 27.58
23 23 16 00-0082	EA	1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	76.29 32.36
23 23 16 00-0083	EA	2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	109.35 39.25
23 23 16 00-0084	EA	2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	190.54 59.61
23 23 16 00-0085	EA	3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	244.70 78.39
23 23 16 00-0086	EA	4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	465.05 93.13
23 23 16 00-0087		ACR Wrought Copper Long Radius 90 Degree Elbows (23 23 16 00-0058)	
Note: C x C			
23 23 16 00-0088	EA	1/4" ACR Wrought Copper Long Radius 90 Degree Elbow.....	28.63 11.45
23 23 16 00-0089	EA	3/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	25.78 11.45
23 23 16 00-0090	EA	1/2" ACR Wrought Copper Long Radius 90 Degree Elbow.....	28.04 11.45
23 23 16 00-0091	EA	5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	27.83 11.98
23 23 16 00-0092	EA	3/4" ACR Wrought Copper Long Radius 90 Degree Elbow.....	33.70 15.80
23 23 16 00-0093	EA	7/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	37.01 16.23
23 23 16 00-0094	EA	1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	50.63 20.15
23 23 16 00-0095	EA	1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	74.54 27.58
23 23 16 00-0096	EA	1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	93.08 32.36
23 23 16 00-0097	EA	2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	175.96 39.25
23 23 16 00-0098	EA	2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	274.84 59.61
23 23 16 00-0099	EA	3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	363.16 78.39
23 23 16 00-0100	EA	4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	797.56 93.13
23 23 16 00-0101		ACR Wrought Copper 45 Degree Elbow (23 23 16 00-0058)	
Note: C x C			
23 23 16 00-0102	EA	1/4" ACR Wrought Copper 45 Degree Elbow.....	32.55 11.45
23 23 16 00-0103	EA	3/8" ACR Wrought Copper 45 Degree Elbow.....	28.63 11.45
23 23 16 00-0104	EA	1/2" ACR Wrought Copper 45 Degree Elbow.....	26.96 11.45
23 23 16 00-0105	EA	5/8" ACR Wrought Copper 45 Degree Elbow.....	21.98 11.98
23 23 16 00-0106	EA	3/4" ACR Wrought Copper 45 Degree Elbow.....	41.05 15.80
23 23 16 00-0107	EA	7/8" ACR Wrought Copper 45 Degree Elbow.....	31.24 16.23
23 23 16 00-0108	EA	1-1/8" ACR Wrought Copper 45 Degree Elbow.....	47.60 20.15
23 23 16 00-0109	EA	1-3/8" ACR Wrought Copper 45 Degree Elbow.....	64.69 27.58
23 23 16 00-0110	EA	1-5/8" ACR Wrought Copper 45 Degree Elbow.....	76.65 32.36
23 23 16 00-0111	EA	2-1/8" ACR Wrought Copper 45 Degree Elbow.....	105.70 39.25
23 23 16 00-0112	EA	2-5/8" ACR Wrought Copper 45 Degree Elbow.....	189.31 59.61
23 23 16 00-0113	EA	3-1/8" ACR Wrought Copper 45 Degree Elbow.....	257.04 78.39
23 23 16 00-0114	EA	4-1/8" ACR Wrought Copper 45 Degree Elbow.....	436.82 93.13
23 23 16 00-0115		ACR Wrought Copper Tee (23 23 16 00-0058)	
Note: C x C x C			
23 23 16 00-0116	EA	1/4" ACR Wrought Copper Tee.....	40.88 19.08
23 23 16 00-0117	EA	3/8" ACR Wrought Copper Tee.....	41.57 19.08
23 23 16 00-0118	EA	1/2" ACR Wrought Copper Tee.....	39.02 19.08
23 23 16 00-0119	EA	5/8" ACR Wrought Copper Tee.....	39.69 24.08
23 23 16 00-0120	EA	3/4" ACR Wrought Copper Tee.....	59.75 24.08
23 23 16 00-0121	EA	7/8" ACR Wrought Copper Tee.....	45.47 24.39
23 23 16 00-0122	EA	1-1/8" ACR Wrought Copper Tee.....	76.03 32.36
23 23 16 00-0123	EA	1-3/8" ACR Wrought Copper Tee.....	95.95 39.25
23 23 16 00-0124	EA	1-5/8" ACR Wrought Copper Tee.....	127.12 46.57
23 23 16 00-0125	EA	2-1/8" ACR Wrought Copper Tee.....	182.45 62.05
23 23 16 00-0126	EA	2-5/8" ACR Wrought Copper Tee.....	383.41 135.45
23 23 16 00-0127	EA	3-1/8" ACR Wrought Copper Tee.....	482.12 148.92
23 23 16 00-0128	EA	4-1/8" ACR Wrought Copper Tee.....	874.50 165.47
23 23 16 00-0129		ACR Wrought Copper Male Adapter (23 23 16 00-0058)	
Note: C x M			
23 23 16 00-0130	EA	1/4" ACR Wrought Copper Male Adapter.....	36.44 11.45
23 23 16 00-0131	EA	3/8" ACR Wrought Copper Male Adapter.....	42.71 11.45
23 23 16 00-0132	EA	1/2" ACR Wrought Copper Male Adapter.....	32.30 11.45
23 23 16 00-0133		ACR Wrought Copper Female Adapter (23 23 16 00-0058)	
Note: C x F			
23 23 16 00-0134	EA	1/4" ACR Wrought Copper Female Adapter.....	33.98 11.45
23 23 16 00-0135	EA	3/8" ACR Wrought Copper Female Adapter.....	30.39 11.45
23 23 16 00-0136	EA	1/2" ACR Wrought Copper Female Adapter.....	31.75 11.45





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0137				<b>ACR Wrought Copper Cap</b> (23 23 16 00-0058) Note: C		
	23 23 16 00-0138	EA		1/4" ACR Wrought Copper Cap .....	14.43	7.64
	23 23 16 00-0139	EA		3/8" ACR Wrought Copper Cap .....	13.29	7.64
	23 23 16 00-0140	EA		1/2" ACR Wrought Copper Cap .....	14.40	7.64
23 23 16 00-0141				<b>ACR Wrought Copper P-Trap</b> (23 23 16 00-0058)		
	23 23 16 00-0142	EA		5/8" ACR Wrought Copper P-Trap.....	101.28	9.77
	23 23 16 00-0143	EA		3/4" ACR Wrought Copper P-Trap.....	139.51	10.74
	23 23 16 00-0144	EA		7/8" ACR Wrought Copper P-Trap.....	118.96	10.74
	23 23 16 00-0145	EA		1-1/8" ACR Wrought Copper P-Trap.....	164.36	11.72
	23 23 16 00-0146	EA		1-3/8" ACR Wrought Copper P-Trap.....	286.93	11.72
	23 23 16 00-0147	EA		1-5/8" ACR Wrought Copper P-Trap.....	409.35	12.70
	23 23 16 00-0148	EA		2-1/8" ACR Wrought Copper P-Trap.....	755.35	13.68
23 23 16 00-0149				<b>Sight Glass With Moisture And Liquid Indicator, Solder Connection</b> (23 23 16)		
	23 23 16 00-0150	EA		1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	54.98	14.66
	23 23 16 00-0151	EA		3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	66.77	17.58
	23 23 16 00-0152	EA		1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	80.73	21.49
	23 23 16 00-0153	EA		5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	88.65	24.43
	23 23 16 00-0154	EA		7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	119.85	31.27
	23 23 16 00-0155	EA		1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	138.36	38.11
	23 23 16 00-0156	EA		1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	215.11	44.95
	23 23 16 00-0157	EA		1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	264.54	61.55
	23 23 16 00-0158	EA		2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	324.60	76.20
23 23 16 00-0159				<b>Filter Driers, Solder Connections</b> (23 23 16)		
23 23 16 00-0160				<b>Replaceable Core Type Filter Driers, Solder Connections</b> (23 23 16 00-0159)		
	23 23 16 00-0161	EA		5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	502.91	8.80
	23 23 16 00-0162	EA		7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	504.39	10.74
	23 23 16 00-0163	EA		1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	644.06	10.74
	23 23 16 00-0164	EA		1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	640.18	11.72
	23 23 16 00-0165	EA		1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	712.05	12.70
	23 23 16 00-0166	EA		2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	799.22	13.68
	23 23 16 00-0167	EA		2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	933.40	14.66
	23 23 16 00-0168	EA		3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	1,165.26	14.66
23 23 16 00-0169				<b>Sealed In-Line Filter Driers, Solder Connections</b> (23 23 16 00-0159)		
	23 23 16 00-0170	EA		1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections.....	79.57	8.80
	23 23 16 00-0171	EA		3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections.....	101.66	8.80
	23 23 16 00-0172	EA		1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections.....	129.83	9.77
	23 23 16 00-0173	EA		1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections.....	150.46	9.77
	23 23 16 00-0174	EA		5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections.....	165.38	9.77
	23 23 16 00-0175	EA		5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections.....	191.66	9.77
	23 23 16 00-0176	EA		7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections.....	215.62	10.74
	23 23 16 00-0177	EA		7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections.....	319.77	10.74
	23 23 16 00-0178	EA		1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections.....	347.63	10.74
23 23 16 00-0179				<b>Bi-Flow Filter Driers, Solder Connections</b> (23 23 16 00-0159)		
	23 23 16 00-0180	EA		1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	112.17	8.80
	23 23 16 00-0181	EA		3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	124.86	8.80
	23 23 16 00-0182	EA		1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	148.81	9.77
	23 23 16 00-0183	EA		3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	134.07	8.80
	23 23 16 00-0184	EA		1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	167.80	9.77
	23 23 16 00-0185	EA		5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	194.92	9.77
23 23 16 00-0186				<b>Refrigerant Compressor Discharge Mufflers</b> (23 23 16)		
	23 23 16 00-0187	EA		3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler.....	100.88	8.80
	23 23 16 00-0188	EA		1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler.....	111.36	8.80
	23 23 16 00-0189	EA		5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler.....	134.31	8.80
	23 23 16 00-0190	EA		7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler.....	179.94	10.74
	23 23 16 00-0191	EA		1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler.....	234.68	10.74
	23 23 16 00-0192	EA		1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler.....	278.78	11.72
	23 23 16 00-0193	EA		1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler.....	353.38	12.70
	23 23 16 00-0194	EA		2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler.....	655.17	13.68
	23 23 16 00-0195	EA		2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler.....	731.38	14.66
	23 23 16 00-0196	EA		3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler.....	904.98	14.66
23 23 16 00-0197				<b>Expansion Valves And Vibration Absorbers</b> (23 23 16)		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0198			<b>Thermostatic Expansion Valves</b> <small>(23 23 16 00-0197)</small> Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0199	EA		3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve .....	217.60	8.80
23 23 16 00-0200	EA		1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve .....	303.09	9.77
23 23 16 00-0201	EA		5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve .....	517.56	9.77
23 23 16 00-0202	EA		7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve .....	613.43	10.74
23 23 16 00-0203	EA		7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve .....	662.28	10.74
23 23 16 00-0204			<b>Electric Expansion Valves</b> <small>(23 23 16 00-0197)</small> Note: Sporlan SEI or SEH.		
23 23 16 00-0205	EA		1/2 To 11 Ton Electric Expansion Valve .....	546.49	12.21
			Note: Sporlan SEI.		
23 23 16 00-0206	EA		25 Ton Electric Expansion Valve .....	633.80	12.70
			Note: Sporlan SEI.		
23 23 16 00-0207	EA		50 Ton Electric Expansion Valve .....	721.59	13.19
			Note: Sporlan SEI.		
23 23 16 00-0208	EA		100 Ton Electric Expansion Valve .....	846.12	13.19
			Note: Sporlan SEH.		
23 23 16 00-0209	EA		175 Ton Electric Expansion Valve .....	953.35	13.68
			Note: Sporlan SEH.		
23 23 16 00-0210			<b>Braided Stainless Steel Over Copper Vibration Absorber</b> <small>(23 23 16 00-0197)</small>		
23 23 16 00-0211	EA		1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	57.71	12.70
23 23 16 00-0212	EA		3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	57.86	14.66
23 23 16 00-0213	EA		1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	75.07	18.56
23 23 16 00-0214	EA		5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	80.76	22.47
23 23 16 00-0215	EA		3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	95.04	27.35
23 23 16 00-0216	EA		7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	110.06	31.27
23 23 16 00-0217	EA		1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	156.23	11.72
23 23 16 00-0218	EA		1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	220.85	12.70
23 23 16 00-0219	EA		1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	277.01	12.70
23 23 16 00-0220	EA		2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	380.18	13.68
23 23 16 00-0221	EA		2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	649.87	14.66
23 23 16 00-0222	EA		3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	852.16	14.66
23 23 16 00-0223			<b>Accumulator, Refrigerant Suction Line</b> <small>(23 23 16)</small>		
23 23 16 00-0224	EA		3/4" Accumulator, Refrigeration Suction Line.....	183.29	44.45
23 23 16 00-0225	EA		7/8" Accumulator, Refrigeration Suction Line.....	248.32	61.06
23 23 16 00-0226	EA		1-1/8" Accumulator, Refrigeration Suction Line .....	294.90	81.38
23 23 16 00-0227	EA		1 3/8" Accumulator, Refrigeration Suction Line.....	417.93	97.70
23 23 16 00-0228	EA		1-5/8" Accumulator, Refrigeration Suction Line .....	577.77	122.13
23 23 16 00-0229	EA		2-1/8" Accumulator, Refrigeration Suction Line .....	881.85	162.87
23 23 16 00-0230			<b>Special Chemicals/Component</b> <small>(23 23 16)</small>		
23 23 16 00-0231	GAL		Special Chemical, Inhibited Propylene Glycol, 100%.....	38.19	
23 23 16 00-0232	GAL		Removal And Storage For Reuse Of Inhibited Propylene Glycol.....	7.58	
23 23 16 00-0233	GAL		Special Chemical, Inhibited Ethylene Glycol, 100%.....	25.94	
23 23 16 00-0234	EA		Internal Coil/Refrigerant Piping Flush .....	317.15	
			Note: Up to 10 ton AC system.		
23 23 23			<b>Refrigerants</b> <small>(23 23)</small>		
23 23 23 00-0001			<b>Refrigerant</b> <small>(23 23 23)</small>		
23 23 23 00-0002	LB		R-113 Refrigerant .....	25.86	
23 23 23 00-0003	LB		R-123 Refrigerant .....	18.97	
23 23 23 00-0004	LB		R-134A Refrigerant.....	6.76	
23 23 23 00-0005	LB		R-404A Refrigerant.....	12.10	
23 23 23 00-0006	LB		R-407C Refrigerant.....	11.97	
23 23 23 00-0007	LB		R-408A Refrigerant.....	27.29	
23 23 23 00-0008	LB		R-410A Refrigerant.....	11.73	
23 23 23 00-0009	LB		R-500 Refrigerant .....	23.18	
23 23 23 00-0010	LB		R-507 Refrigerant .....	7.46	
23 25			<b>HVAC Water Treatment</b> <small>(23 20)</small>		
23 25 13			<b>Water Treatment for Closed-Loop Hydronic Systems</b> <small>(23 25)</small>		
23 25 13 00-0001			<b>Polyethylene Chemical Storage Tanks</b> <small>(23 25 13)</small>		
23 25 13 00-0002	EA		15 Gallon Chemical Storage Tank, Polyethylene.....	374.50	81.56
23 25 13 00-0003			<b>Gas Chlorinator</b> <small>(23 25 13)</small>		
23 25 13 00-0004	EA		Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit .....	1,092.34	371.08
			For Booster Pump, Add	420.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 25 13 00-0005 EA Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,247.92	424.09
<i>For Booster Pump, Add</i>	480.15	
23 25 13 00-0006 EA Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,736.96	321.25
<i>For Booster Pump, Add</i>	590.16	
<b>23 25 13 00-0007 Bypass Shot Feeders</b> <small>(23 25 13)</small> Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.		
<b>23 25 13 00-0008 In Line Mount, 125 PSIG</b> <small>(23 25 13 00-0007)</small>		
23 25 13 00-0009 EA 1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG .....	983.52	276.48
<b>23 25 13 00-0010 Floor Mount, 175 PSIG</b> <small>(23 25 13 00-0007)</small>		
23 25 13 00-0011 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,444.68	416.19
23 25 13 00-0012 EA 12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,904.26	551.02
<b>23 25 13 00-0013 Floor Mount, 150 LB ASME Code</b> <small>(23 25 13 00-0007)</small>		
23 25 13 00-0014 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code .....	1,444.68	416.19
23 25 13 00-0015 EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code .....	1,904.26	551.02
<b>23 25 13 00-0016 Floor Mount, 300 LB ASME Code</b> <small>(23 25 13 00-0007)</small>		
23 25 13 00-0017 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code .....	1,829.39	416.19
23 25 13 00-0018 EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code .....	2,303.73	551.02

**23 30 HVAC Air Distribution** (23)

**23 31 HVAC Ducts and Casings** (23 30)

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0409 for angle iron, 23 05 29 00-0001 for threaded rod.

**23 31 13 Metal Ducts** (23 31)

**23 31 13 13 Rectangular Metal Ducts** (23 31 13)

**23 31 13 13-0001 Steel Sheet Metal Duct** (23 31 13 13)

Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.

**23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork** (23 31 13 13-0001)

Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF

23 31 13 13-0003 LB 2" WG And Less (Class C), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	13.27	3.52
<i>For &gt;200 To 500, Add</i>	3.00	
<i>For &gt;500 To 1,000, Add</i>	2.03	
<i>For &gt;2,000 To 5,000, Add</i>	0.51	
<i>For Work In Restricted Working Space, Add</i>	3.25	
<i>For &gt;1,000 To 2,000, Add</i>	1.13	
<i>For Up To 200, Add</i>	4.71	
<i>For Polyvinyl Chloride (PVC) Coated, Add</i>	0.49	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.65	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.30	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.62	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.27	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.25	
<i>For Elevated Installation &gt;40', Add</i>	3.57	
23 31 13 13-0004 LB 3" WG (Class B), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	14.89	3.52
<i>For &gt;200 To 500, Add</i>	3.29	
<i>For &gt;500 To 1,000, Add</i>	2.26	
<i>For &gt;2,000 To 5,000, Add</i>	0.57	
<i>For Work In Restricted Working Space, Add</i>	3.74	
<i>For &gt;1,000 To 2,000, Add</i>	1.26	
<i>For Up To 200, Add</i>	5.20	
<i>For Polyvinyl Chloride (PVC) Coated, Add</i>	0.49	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.75	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.49	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.87	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.61	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.99	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.74	
<i>For Elevated Installation &gt;40', Add</i>	4.11	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0005	LB	4" Or 6" WG (Class A), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	17.60	3.52	
		<i>For &gt;200 To 500, Add</i>	3.78		
		<i>For &gt;500 To 1,000, Add</i>	2.63		
		<i>For &gt;2,000 To 5,000, Add</i>	0.68		
		<i>For Work In Restricted Working Space, Add</i>	4.55		
		<i>For &gt;1,000 To 2,000, Add</i>	1.48		
		<i>For Up To 200, Add</i>	6.01		
		<i>For Polyvinyl Chloride (PVC) Coated, Add</i>	0.49		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.91		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.82		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.27		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.18		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	3.64		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	4.55		
		<i>For Elevated Installation &gt;40', Add</i>	5.00		
23 31 13 13-0006		<b>Alloy 3003-H14, Aluminum Sheet Metal Ductwork</b> <small>(23 31 13 13-0001)</small>			
		Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge - 0.901 LB/SF; 12 gauge - 0.141 LB/SF			
23 31 13 13-0007	LB	2" WG And Less (Class C), Alloy 3003-H14, Aluminum Sheet Metal Ductwork .....	25.29	3.52	
		<i>For &gt;2,000 To 5,000, Add</i>	0.97		
		<i>For Up To 200, Add</i>	8.75		
		<i>For Work In Restricted Working Space, Add</i>	6.42		
		<i>For &gt;1,000 To 2,000, Add</i>	2.14		
		<i>For &gt;200 To 500, Add</i>	5.52		
		<i>For &gt;500 To 1,000, Add</i>	3.81		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.28		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.57		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.21		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.49		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.14		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	6.42		
		<i>For Elevated Installation &gt;40', Add</i>	7.06		
23 31 13 13-0008	LB	3" WG (Class B), Alloy 3003-H14, Aluminum Sheet Metal Ductwork .....	28.50	3.52	
		<i>For &gt;2,000 To 5,000, Add</i>	1.10		
		<i>For Up To 200, Add</i>	9.72		
		<i>For Work In Restricted Working Space, Add</i>	7.38		
		<i>For &gt;1,000 To 2,000, Add</i>	2.40		
		<i>For &gt;200 To 500, Add</i>	6.10		
		<i>For &gt;500 To 1,000, Add</i>	4.26		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.48		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.95		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.69		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	5.17		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.91		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	7.38		
		<i>For Elevated Installation &gt;40', Add</i>	8.12		
23 31 13 13-0009	LB	4" Or 6" WG (Class A), Alloy 3003-H14, Aluminum Sheet Metal Ductwork .....	33.85	3.52	
		<i>For &gt;2,000 To 5,000, Add</i>	1.32		
		<i>For Up To 200, Add</i>	11.32		
		<i>For Work In Restricted Working Space, Add</i>	8.99		
		<i>For &gt;1,000 To 2,000, Add</i>	2.82		
		<i>For &gt;200 To 500, Add</i>	7.07		
		<i>For &gt;500 To 1,000, Add</i>	5.01		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.80		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.60		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.49		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.29		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.19		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.99		
		<i>For Elevated Installation &gt;40', Add</i>	9.89		
23 31 13 13-0010		<b>Type 304, Stainless Steel Sheet Metal Ductwork</b> <small>(23 31 13 13-0001)</small>			
		Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge - 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge - 3.154 LB/SF; 12 gauge - 4.427 LB/SF			
23 31 13 13-0011	LB	2" WG And Less (Class C), Type 304, Stainless Steel Sheet Metal Ductwork .....	18.11	4.68	
		<i>For &gt;2,000 To 5,000, Add</i>	0.67		
		<i>For Welded Seams, Add</i>	6.82		
		<i>For Up To 200, Add</i>	6.92		
		<i>For Work In Restricted Working Space, Add</i>	3.95		
		<i>For &gt;1,000 To 2,000, Add</i>	1.60		
		<i>For &gt;200 To 500, Add</i>	4.50		
		<i>For &gt;500 To 1,000, Add</i>	2.88		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.79		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.58		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.97		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.76		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	3.16		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	3.95		
		<i>For Elevated Installation &gt;40', Add</i>	4.34		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0012 LB 3" WG (Class B), Type 304, Stainless Steel Sheet Metal Ductwork .....	20.82	4.68
<i>For &gt;2,000 To 5,000, Add</i>	0.78	
<i>For Welded Seams, Add</i>	8.18	
<i>For Up To 200, Add</i>	7.73	
<i>For Work In Restricted Working Space, Add</i>	4.76	
<i>For &gt;1,000 To 2,000, Add</i>	1.81	
<i>For &gt;200 To 500, Add</i>	4.99	
<i>For &gt;500 To 1,000, Add</i>	3.26	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.95	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.90	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.38	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.33	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.81	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.76	
<i>For Elevated Installation &gt;40', Add</i>	5.23	
23 31 13 13-0013 LB 4" Or 6" WG (Class A), Type 304, Stainless Steel Sheet Metal Ductwork .....	23.36	4.68
<i>For &gt;2,000 To 5,000, Add</i>	0.88	
<i>For Welded Seams, Add</i>	9.45	
<i>For Up To 200, Add</i>	8.50	
<i>For Work In Restricted Working Space, Add</i>	5.52	
<i>For &gt;1,000 To 2,000, Add</i>	2.02	
<i>For &gt;200 To 500, Add</i>	5.44	
<i>For &gt;500 To 1,000, Add</i>	3.62	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.10	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.21	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.76	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.86	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.42	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.52	
<i>For Elevated Installation &gt;40', Add</i>	6.07	
<b>23 31 13 13-0014 Galvanized Steel Sheet Metal Ductwork By LF <small>(23 31 13 13-0001)</small></b>		
Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.		
<b>23 31 13 13-0015 30 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small></b>		
23 31 13 13-0016 LF 4" x 4", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork .....	13.51	7.23
<i>For 3" WG (Class B), Add</i>	1.81	
<i>For 4" Or 6" WG (Class A), Add</i>	3.86	
<i>For 10" WG (Class A), Add</i>	5.55	
<i>For Work In Restricted Working Space, Add</i>	3.62	
23 31 13 13-0017 LF 4" x 6", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork .....	16.88	9.04
<i>For 3" WG (Class B), Add</i>	2.26	
<i>For 4" Or 6" WG (Class A), Add</i>	4.82	
<i>For 10" WG (Class A), Add</i>	6.93	
<i>For Work In Restricted Working Space, Add</i>	4.52	
23 31 13 13-0018 LF 4" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork .....	20.26	10.85
<i>For 3" WG (Class B), Add</i>	2.71	
<i>For 4" Or 6" WG (Class A), Add</i>	5.79	
<i>For 10" WG (Class A), Add</i>	8.32	
<i>For Work In Restricted Working Space, Add</i>	5.42	
23 31 13 13-0019 LF 4" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork .....	23.63	12.65
<i>For 3" WG (Class B), Add</i>	3.16	
<i>For 4" Or 6" WG (Class A), Add</i>	6.75	
<i>For 10" WG (Class A), Add</i>	9.70	
<i>For Work In Restricted Working Space, Add</i>	6.33	
23 31 13 13-0020 LF 4" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork .....	27.02	14.46
<i>For 3" WG (Class B), Add</i>	3.62	
<i>For 4" Or 6" WG (Class A), Add</i>	7.72	
<i>For 10" WG (Class A), Add</i>	11.09	
<i>For Work In Restricted Working Space, Add</i>	7.23	
23 31 13 13-0021 LF 4" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork .....	30.38	16.28
<i>For 3" WG (Class B), Add</i>	4.07	
<i>For 4" Or 6" WG (Class A), Add</i>	8.68	
<i>For 10" WG (Class A), Add</i>	12.48	
<i>For Work In Restricted Working Space, Add</i>	8.14	
23 31 13 13-0022 LF 4" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork .....	33.76	18.08
<i>For 3" WG (Class B), Add</i>	4.52	
<i>For 4" Or 6" WG (Class A), Add</i>	9.64	
<i>For 10" WG (Class A), Add</i>	13.86	
<i>For Work In Restricted Working Space, Add</i>	9.04	
23 31 13 13-0023 LF 6" x 6", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork .....	20.26	10.85
<i>For 3" WG (Class B), Add</i>	2.71	
<i>For 4" Or 6" WG (Class A), Add</i>	5.79	
<i>For 10" WG (Class A), Add</i>	8.32	
<i>For Work In Restricted Working Space, Add</i>	5.42	
23 31 13 13-0024 LF 6" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork .....	23.63	12.65
<i>For 3" WG (Class B), Add</i>	3.16	
<i>For 4" Or 6" WG (Class A), Add</i>	6.75	
<i>For 10" WG (Class A), Add</i>	9.70	
<i>For Work In Restricted Working Space, Add</i>	6.33	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0025	LF	6" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	27.02	14.46
			For 3" WG (Class B), Add	3.62	
			For 4" Or 6" WG (Class A), Add	7.72	
			For 10" WG (Class A), Add	11.09	
			For Work In Restricted Working Space, Add	7.23	
23 31	13 13-0026	LF	6" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	30.38	16.28
			For 3" WG (Class B), Add	4.07	
			For 4" Or 6" WG (Class A), Add	8.68	
			For 10" WG (Class A), Add	12.48	
			For Work In Restricted Working Space, Add	8.14	
23 31	13 13-0027	LF	6" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	33.76	18.08
			For 3" WG (Class B), Add	4.52	
			For 4" Or 6" WG (Class A), Add	9.64	
			For 10" WG (Class A), Add	13.86	
			For Work In Restricted Working Space, Add	9.04	
23 31	13 13-0028	LF	6" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.14	19.89
			For 3" WG (Class B), Add	4.97	
			For 4" Or 6" WG (Class A), Add	10.61	
			For 10" WG (Class A), Add	15.25	
			For Work In Restricted Working Space, Add	9.95	
23 31	13 13-0029	LF	8" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	27.02	14.46
			For 3" WG (Class B), Add	3.62	
			For 4" Or 6" WG (Class A), Add	7.72	
			For 10" WG (Class A), Add	11.09	
			For Work In Restricted Working Space, Add	7.23	
23 31	13 13-0030	LF	8" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	30.38	16.28
			For 3" WG (Class B), Add	4.07	
			For 4" Or 6" WG (Class A), Add	8.68	
			For 10" WG (Class A), Add	12.48	
			For Work In Restricted Working Space, Add	8.14	
23 31	13 13-0031	LF	8" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	33.76	18.08
			For 3" WG (Class B), Add	4.52	
			For 4" Or 6" WG (Class A), Add	9.64	
			For 10" WG (Class A), Add	13.86	
			For Work In Restricted Working Space, Add	9.04	
23 31	13 13-0032	LF	8" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.14	19.89
			For 3" WG (Class B), Add	4.97	
			For 4" Or 6" WG (Class A), Add	10.61	
			For 10" WG (Class A), Add	15.25	
			For Work In Restricted Working Space, Add	9.95	
23 31	13 13-0033	LF	8" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	40.50	21.69
			For 3" WG (Class B), Add	5.42	
			For 4" Or 6" WG (Class A), Add	11.57	
			For 10" WG (Class A), Add	16.63	
			For Work In Restricted Working Space, Add	10.85	
23 31	13 13-0034	LF	8" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.90	23.50
			For 3" WG (Class B), Add	5.88	
			For 4" Or 6" WG (Class A), Add	12.54	
			For 10" WG (Class A), Add	18.02	
			For Work In Restricted Working Space, Add	11.75	
23 31	13 13-0035	LF	8" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.25	25.31
			For 3" WG (Class B), Add	6.33	
			For 4" Or 6" WG (Class A), Add	13.50	
			For 10" WG (Class A), Add	19.40	
			For Work In Restricted Working Space, Add	12.65	
23 31	13 13-0036	LF	8" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	50.63	27.12
			For 3" WG (Class B), Add	6.78	
			For 4" Or 6" WG (Class A), Add	14.46	
			For 10" WG (Class A), Add	20.79	
			For Work In Restricted Working Space, Add	13.56	
23 31	13 13-0037	LF	8" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.00	28.93
			For 3" WG (Class B), Add	7.23	
			For 4" Or 6" WG (Class A), Add	15.42	
			For 10" WG (Class A), Add	22.17	
			For Work In Restricted Working Space, Add	14.46	
23 31	13 13-0038	LF	10" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	33.76	18.08
			For 3" WG (Class B), Add	4.52	
			For 4" Or 6" WG (Class A), Add	9.64	
			For 10" WG (Class A), Add	13.86	
			For Work In Restricted Working Space, Add	9.04	
23 31	13 13-0039	LF	10" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.14	19.89
			For 3" WG (Class B), Add	4.97	
			For 4" Or 6" WG (Class A), Add	10.61	
			For 10" WG (Class A), Add	15.25	
			For Work In Restricted Working Space, Add	9.95	
23 31	13 13-0040	LF	10" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	40.50	21.69
			For 3" WG (Class B), Add	5.42	
			For 4" Or 6" WG (Class A), Add	11.57	
			For 10" WG (Class A), Add	16.63	
			For Work In Restricted Working Space, Add	10.85	
23 31	13 13-0041	LF	10" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.90	23.50
			For 3" WG (Class B), Add	5.88	
			For 4" Or 6" WG (Class A), Add	12.54	
			For 10" WG (Class A), Add	18.02	
			For Work In Restricted Working Space, Add	11.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0042 LF 10" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.25	25.31
<i>For 3" WG (Class B), Add</i>	6.33	
<i>For 4" Or 6" WG (Class A), Add</i>	13.50	
<i>For 10" WG (Class A), Add</i>	19.40	
<i>For Work In Restricted Working Space, Add</i>	12.65	
23 31 13 13-0043 LF 10" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	50.63	27.12
<i>For 3" WG (Class B), Add</i>	6.78	
<i>For 4" Or 6" WG (Class A), Add</i>	14.46	
<i>For 10" WG (Class A), Add</i>	20.79	
<i>For Work In Restricted Working Space, Add</i>	13.56	
23 31 13 13-0044 LF 10" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.00	28.93
<i>For 3" WG (Class B), Add</i>	7.23	
<i>For 4" Or 6" WG (Class A), Add</i>	15.42	
<i>For 10" WG (Class A), Add</i>	22.17	
<i>For Work In Restricted Working Space, Add</i>	14.46	
23 31 13 13-0045 LF 10" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.39	30.73
<i>For 3" WG (Class B), Add</i>	7.68	
<i>For 4" Or 6" WG (Class A), Add</i>	16.39	
<i>For 10" WG (Class A), Add</i>	23.56	
<i>For Work In Restricted Working Space, Add</i>	15.37	
23 31 13 13-0046 LF 12" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	40.50	21.69
<i>For 3" WG (Class B), Add</i>	5.42	
<i>For 4" Or 6" WG (Class A), Add</i>	11.57	
<i>For 10" WG (Class A), Add</i>	16.63	
<i>For Work In Restricted Working Space, Add</i>	10.85	
23 31 13 13-0047 LF 12" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.90	23.50
<i>For 3" WG (Class B), Add</i>	5.88	
<i>For 4" Or 6" WG (Class A), Add</i>	12.54	
<i>For 10" WG (Class A), Add</i>	18.02	
<i>For Work In Restricted Working Space, Add</i>	11.75	
23 31 13 13-0048 LF 12" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.25	25.31
<i>For 3" WG (Class B), Add</i>	6.33	
<i>For 4" Or 6" WG (Class A), Add</i>	13.50	
<i>For 10" WG (Class A), Add</i>	19.40	
<i>For Work In Restricted Working Space, Add</i>	12.65	
23 31 13 13-0049 LF 12" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	50.63	27.12
<i>For 3" WG (Class B), Add</i>	6.78	
<i>For 4" Or 6" WG (Class A), Add</i>	14.46	
<i>For 10" WG (Class A), Add</i>	20.79	
<i>For Work In Restricted Working Space, Add</i>	13.56	
23 31 13 13-0050 LF 12" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.00	28.93
<i>For 3" WG (Class B), Add</i>	7.23	
<i>For 4" Or 6" WG (Class A), Add</i>	15.42	
<i>For 10" WG (Class A), Add</i>	22.17	
<i>For Work In Restricted Working Space, Add</i>	14.46	
23 31 13 13-0051 LF 12" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.39	30.73
<i>For 3" WG (Class B), Add</i>	7.68	
<i>For 4" Or 6" WG (Class A), Add</i>	16.39	
<i>For 10" WG (Class A), Add</i>	23.56	
<i>For Work In Restricted Working Space, Add</i>	15.37	
23 31 13 13-0052 LF 12" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.76	32.54
<i>For 3" WG (Class B), Add</i>	8.14	
<i>For 4" Or 6" WG (Class A), Add</i>	17.36	
<i>For 10" WG (Class A), Add</i>	24.95	
<i>For Work In Restricted Working Space, Add</i>	16.27	
23 31 13 13-0053 LF 14" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.25	25.31
<i>For 3" WG (Class B), Add</i>	6.33	
<i>For 4" Or 6" WG (Class A), Add</i>	13.50	
<i>For 10" WG (Class A), Add</i>	19.40	
<i>For Work In Restricted Working Space, Add</i>	12.65	
23 31 13 13-0054 LF 14" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	50.63	27.12
<i>For 3" WG (Class B), Add</i>	6.78	
<i>For 4" Or 6" WG (Class A), Add</i>	14.46	
<i>For 10" WG (Class A), Add</i>	20.79	
<i>For Work In Restricted Working Space, Add</i>	13.56	
23 31 13 13-0055 LF 14" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.00	28.93
<i>For 3" WG (Class B), Add</i>	7.23	
<i>For 4" Or 6" WG (Class A), Add</i>	15.42	
<i>For 10" WG (Class A), Add</i>	22.17	
<i>For Work In Restricted Working Space, Add</i>	14.46	
23 31 13 13-0056 LF 14" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.39	30.73
<i>For 3" WG (Class B), Add</i>	7.68	
<i>For 4" Or 6" WG (Class A), Add</i>	16.39	
<i>For 10" WG (Class A), Add</i>	23.56	
<i>For Work In Restricted Working Space, Add</i>	15.37	
23 31 13 13-0057 LF 14" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.76	32.54
<i>For 3" WG (Class B), Add</i>	8.14	
<i>For 4" Or 6" WG (Class A), Add</i>	17.36	
<i>For 10" WG (Class A), Add</i>	24.95	
<i>For Work In Restricted Working Space, Add</i>	16.27	
23 31 13 13-0058 LF 14" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	64.15	34.35
<i>For 3" WG (Class B), Add</i>	8.59	
<i>For 4" Or 6" WG (Class A), Add</i>	18.32	
<i>For 10" WG (Class A), Add</i>	26.34	
<i>For Work In Restricted Working Space, Add</i>	17.18	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0059	LF	16" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.00	28.93
			<i>For 3" WG (Class B), Add</i>	7.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	15.42	
			<i>For 10" WG (Class A), Add</i>	22.17	
			<i>For Work In Restricted Working Space, Add</i>	14.46	
23 31	13 13-0060	LF	16" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.39	30.73
			<i>For 3" WG (Class B), Add</i>	7.68	
			<i>For 4" Or 6" WG (Class A), Add</i>	16.39	
			<i>For 10" WG (Class A), Add</i>	23.56	
			<i>For Work In Restricted Working Space, Add</i>	15.37	
23 31	13 13-0061	LF	16" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.76	32.54
			<i>For 3" WG (Class B), Add</i>	8.14	
			<i>For 4" Or 6" WG (Class A), Add</i>	17.36	
			<i>For 10" WG (Class A), Add</i>	24.95	
			<i>For Work In Restricted Working Space, Add</i>	16.27	
23 31	13 13-0062	LF	16" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	64.15	34.35
			<i>For 3" WG (Class B), Add</i>	8.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	18.32	
			<i>For 10" WG (Class A), Add</i>	26.34	
			<i>For Work In Restricted Working Space, Add</i>	17.18	
23 31	13 13-0063	LF	16" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	67.51	36.16
			<i>For 3" WG (Class B), Add</i>	9.04	
			<i>For 4" Or 6" WG (Class A), Add</i>	19.28	
			<i>For 10" WG (Class A), Add</i>	27.72	
			<i>For Work In Restricted Working Space, Add</i>	18.08	
23 31	13 13-0064	LF	18" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.76	32.54
			<i>For 3" WG (Class B), Add</i>	8.14	
			<i>For 4" Or 6" WG (Class A), Add</i>	17.36	
			<i>For 10" WG (Class A), Add</i>	24.95	
			<i>For Work In Restricted Working Space, Add</i>	16.27	
23 31	13 13-0065	LF	18" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	64.15	34.35
			<i>For 3" WG (Class B), Add</i>	8.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	18.32	
			<i>For 10" WG (Class A), Add</i>	26.34	
			<i>For Work In Restricted Working Space, Add</i>	17.18	
23 31	13 13-0066	LF	18" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	67.51	36.16
			<i>For 3" WG (Class B), Add</i>	9.04	
			<i>For 4" Or 6" WG (Class A), Add</i>	19.28	
			<i>For 10" WG (Class A), Add</i>	27.72	
			<i>For Work In Restricted Working Space, Add</i>	18.08	
23 31	13 13-0067	LF	18" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	70.87	37.97
			<i>For 3" WG (Class B), Add</i>	9.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	20.25	
			<i>For 10" WG (Class A), Add</i>	29.10	
			<i>For Work In Restricted Working Space, Add</i>	18.98	
23 31	13 13-0068	LF	20" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	67.51	36.16
			<i>For 3" WG (Class B), Add</i>	9.04	
			<i>For 4" Or 6" WG (Class A), Add</i>	19.28	
			<i>For 10" WG (Class A), Add</i>	27.72	
			<i>For Work In Restricted Working Space, Add</i>	18.08	
23 31	13 13-0069	LF	20" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	70.87	37.97
			<i>For 3" WG (Class B), Add</i>	9.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	20.25	
			<i>For 10" WG (Class A), Add</i>	29.10	
			<i>For Work In Restricted Working Space, Add</i>	18.98	
23 31	13 13-0070	LF	20" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	74.26	39.77
			<i>For 3" WG (Class B), Add</i>	9.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	21.21	
			<i>For 10" WG (Class A), Add</i>	30.49	
			<i>For Work In Restricted Working Space, Add</i>	19.88	
23 31	13 13-0071	LF	22" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	74.26	39.77
			<i>For 3" WG (Class B), Add</i>	9.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	21.21	
			<i>For 10" WG (Class A), Add</i>	30.49	
			<i>For Work In Restricted Working Space, Add</i>	19.88	
23 31	13 13-0072	LF	22" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	77.63	41.58
			<i>For 3" WG (Class B), Add</i>	10.40	
			<i>For 4" Or 6" WG (Class A), Add</i>	22.18	
			<i>For 10" WG (Class A), Add</i>	31.88	
			<i>For Work In Restricted Working Space, Add</i>	20.79	
23 31	13 13-0073	LF	24" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	81.02	43.39
			<i>For 3" WG (Class B), Add</i>	10.85	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.14	
			<i>For 10" WG (Class A), Add</i>	33.27	
			<i>For Work In Restricted Working Space, Add</i>	21.70	
23 31	13 13-0074		<b>28 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>		
23 31	13 13-0075	LF	4" x 4", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	16.07	8.61
			<i>For 3" WG (Class B), Add</i>	2.15	
			<i>For 4" Or 6" WG (Class A), Add</i>	4.59	
			<i>For 10" WG (Class A), Add</i>	6.60	
			<i>For Work In Restricted Working Space, Add</i>	4.31	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0076 LF 4" x 6", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	20.10	10.76
<i>For 3" WG (Class B), Add</i>	2.69	
<i>For 4" Or 6" WG (Class A), Add</i>	5.74	
<i>For 10" WG (Class A), Add</i>	8.25	
<i>For Work In Restricted Working Space, Add</i>	5.38	
23 31 13 13-0077 LF 4" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	24.12	12.91
<i>For 3" WG (Class B), Add</i>	3.23	
<i>For 4" Or 6" WG (Class A), Add</i>	6.89	
<i>For 10" WG (Class A), Add</i>	9.90	
<i>For Work In Restricted Working Space, Add</i>	6.46	
23 31 13 13-0078 LF 4" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.12	15.07
<i>For 3" WG (Class B), Add</i>	3.77	
<i>For 4" Or 6" WG (Class A), Add</i>	8.04	
<i>For 10" WG (Class A), Add</i>	11.55	
<i>For Work In Restricted Working Space, Add</i>	7.53	
23 31 13 13-0079 LF 4" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	32.16	17.23
<i>For 3" WG (Class B), Add</i>	4.31	
<i>For 4" Or 6" WG (Class A), Add</i>	9.18	
<i>For 10" WG (Class A), Add</i>	13.20	
<i>For Work In Restricted Working Space, Add</i>	8.61	
23 31 13 13-0080 LF 4" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	36.17	19.37
<i>For 3" WG (Class B), Add</i>	4.84	
<i>For 4" Or 6" WG (Class A), Add</i>	10.33	
<i>For 10" WG (Class A), Add</i>	14.85	
<i>For Work In Restricted Working Space, Add</i>	9.69	
23 31 13 13-0081 LF 4" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	40.19	21.53
<i>For 3" WG (Class B), Add</i>	5.38	
<i>For 4" Or 6" WG (Class A), Add</i>	11.48	
<i>For 10" WG (Class A), Add</i>	16.50	
<i>For Work In Restricted Working Space, Add</i>	10.76	
23 31 13 13-0082 LF 6" x 6", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	24.12	12.91
<i>For 3" WG (Class B), Add</i>	3.23	
<i>For 4" Or 6" WG (Class A), Add</i>	6.89	
<i>For 10" WG (Class A), Add</i>	9.90	
<i>For Work In Restricted Working Space, Add</i>	6.46	
23 31 13 13-0083 LF 6" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.12	15.07
<i>For 3" WG (Class B), Add</i>	3.77	
<i>For 4" Or 6" WG (Class A), Add</i>	8.04	
<i>For 10" WG (Class A), Add</i>	11.55	
<i>For Work In Restricted Working Space, Add</i>	7.53	
23 31 13 13-0084 LF 6" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	32.16	17.23
<i>For 3" WG (Class B), Add</i>	4.31	
<i>For 4" Or 6" WG (Class A), Add</i>	9.18	
<i>For 10" WG (Class A), Add</i>	13.20	
<i>For Work In Restricted Working Space, Add</i>	8.61	
23 31 13 13-0085 LF 6" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	36.17	19.37
<i>For 3" WG (Class B), Add</i>	4.84	
<i>For 4" Or 6" WG (Class A), Add</i>	10.33	
<i>For 10" WG (Class A), Add</i>	14.85	
<i>For Work In Restricted Working Space, Add</i>	9.69	
23 31 13 13-0086 LF 6" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	40.19	21.53
<i>For 3" WG (Class B), Add</i>	5.38	
<i>For 4" Or 6" WG (Class A), Add</i>	11.48	
<i>For 10" WG (Class A), Add</i>	16.50	
<i>For Work In Restricted Working Space, Add</i>	10.76	
23 31 13 13-0087 LF 6" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.22	23.68
<i>For 3" WG (Class B), Add</i>	5.92	
<i>For 4" Or 6" WG (Class A), Add</i>	12.63	
<i>For 10" WG (Class A), Add</i>	18.16	
<i>For Work In Restricted Working Space, Add</i>	11.84	
23 31 13 13-0088 LF 8" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	32.16	17.23
<i>For 3" WG (Class B), Add</i>	4.31	
<i>For 4" Or 6" WG (Class A), Add</i>	9.18	
<i>For 10" WG (Class A), Add</i>	13.20	
<i>For Work In Restricted Working Space, Add</i>	8.61	
23 31 13 13-0089 LF 8" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	36.17	19.37
<i>For 3" WG (Class B), Add</i>	4.84	
<i>For 4" Or 6" WG (Class A), Add</i>	10.33	
<i>For 10" WG (Class A), Add</i>	14.85	
<i>For Work In Restricted Working Space, Add</i>	9.69	
23 31 13 13-0090 LF 8" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	40.19	21.53
<i>For 3" WG (Class B), Add</i>	5.38	
<i>For 4" Or 6" WG (Class A), Add</i>	11.48	
<i>For 10" WG (Class A), Add</i>	16.50	
<i>For Work In Restricted Working Space, Add</i>	10.76	
23 31 13 13-0091 LF 8" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.22	23.68
<i>For 3" WG (Class B), Add</i>	5.92	
<i>For 4" Or 6" WG (Class A), Add</i>	12.63	
<i>For 10" WG (Class A), Add</i>	18.16	
<i>For Work In Restricted Working Space, Add</i>	11.84	
23 31 13 13-0092 LF 8" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.23	25.83
<i>For 3" WG (Class B), Add</i>	6.46	
<i>For 4" Or 6" WG (Class A), Add</i>	13.78	
<i>For 10" WG (Class A), Add</i>	19.80	
<i>For Work In Restricted Working Space, Add</i>	12.92	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0093	LF	8" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	52.23	27.98	
		<i>For 3" WG (Class B), Add</i>	6.99		
		<i>For 4" Or 6" WG (Class A), Add</i>	14.92		
		<i>For 10" WG (Class A), Add</i>	21.45		
		<i>For Work In Restricted Working Space, Add</i>	13.99		
23 31 13 13-0094	LF	8" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	56.26	30.14	
		<i>For 3" WG (Class B), Add</i>	7.53		
		<i>For 4" Or 6" WG (Class A), Add</i>	16.07		
		<i>For 10" WG (Class A), Add</i>	23.10		
		<i>For Work In Restricted Working Space, Add</i>	15.07		
23 31 13 13-0095	LF	8" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	60.27	32.29	
		<i>For 3" WG (Class B), Add</i>	8.07		
		<i>For 4" Or 6" WG (Class A), Add</i>	17.22		
		<i>For 10" WG (Class A), Add</i>	24.75		
		<i>For Work In Restricted Working Space, Add</i>	16.14		
23 31 13 13-0096	LF	8" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	64.30	34.44	
		<i>For 3" WG (Class B), Add</i>	8.61		
		<i>For 4" Or 6" WG (Class A), Add</i>	18.36		
		<i>For 10" WG (Class A), Add</i>	26.40		
		<i>For Work In Restricted Working Space, Add</i>	17.22		
23 31 13 13-0097	LF	10" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	40.19	21.53	
		<i>For 3" WG (Class B), Add</i>	5.38		
		<i>For 4" Or 6" WG (Class A), Add</i>	11.48		
		<i>For 10" WG (Class A), Add</i>	16.50		
		<i>For Work In Restricted Working Space, Add</i>	10.76		
23 31 13 13-0098	LF	10" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	44.22	23.68	
		<i>For 3" WG (Class B), Add</i>	5.92		
		<i>For 4" Or 6" WG (Class A), Add</i>	12.63		
		<i>For 10" WG (Class A), Add</i>	18.16		
		<i>For Work In Restricted Working Space, Add</i>	11.84		
23 31 13 13-0099	LF	10" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	48.23	25.83	
		<i>For 3" WG (Class B), Add</i>	6.46		
		<i>For 4" Or 6" WG (Class A), Add</i>	13.78		
		<i>For 10" WG (Class A), Add</i>	19.80		
		<i>For Work In Restricted Working Space, Add</i>	12.92		
23 31 13 13-0100	LF	10" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	52.23	27.98	
		<i>For 3" WG (Class B), Add</i>	6.99		
		<i>For 4" Or 6" WG (Class A), Add</i>	14.92		
		<i>For 10" WG (Class A), Add</i>	21.45		
		<i>For Work In Restricted Working Space, Add</i>	13.99		
23 31 13 13-0101	LF	10" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	56.26	30.14	
		<i>For 3" WG (Class B), Add</i>	7.53		
		<i>For 4" Or 6" WG (Class A), Add</i>	16.07		
		<i>For 10" WG (Class A), Add</i>	23.10		
		<i>For Work In Restricted Working Space, Add</i>	15.07		
23 31 13 13-0102	LF	10" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	60.27	32.29	
		<i>For 3" WG (Class B), Add</i>	8.07		
		<i>For 4" Or 6" WG (Class A), Add</i>	17.22		
		<i>For 10" WG (Class A), Add</i>	24.75		
		<i>For Work In Restricted Working Space, Add</i>	16.14		
23 31 13 13-0103	LF	10" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	64.30	34.44	
		<i>For 3" WG (Class B), Add</i>	8.61		
		<i>For 4" Or 6" WG (Class A), Add</i>	18.36		
		<i>For 10" WG (Class A), Add</i>	26.40		
		<i>For Work In Restricted Working Space, Add</i>	17.22		
23 31 13 13-0104	LF	10" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	68.33	36.60	
		<i>For 3" WG (Class B), Add</i>	9.15		
		<i>For 4" Or 6" WG (Class A), Add</i>	19.52		
		<i>For 10" WG (Class A), Add</i>	28.06		
		<i>For Work In Restricted Working Space, Add</i>	18.30		
23 31 13 13-0105	LF	12" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	48.23	25.83	
		<i>For 3" WG (Class B), Add</i>	6.46		
		<i>For 4" Or 6" WG (Class A), Add</i>	13.78		
		<i>For 10" WG (Class A), Add</i>	19.80		
		<i>For Work In Restricted Working Space, Add</i>	12.92		
23 31 13 13-0106	LF	12" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	52.23	27.98	
		<i>For 3" WG (Class B), Add</i>	6.99		
		<i>For 4" Or 6" WG (Class A), Add</i>	14.92		
		<i>For 10" WG (Class A), Add</i>	21.45		
		<i>For Work In Restricted Working Space, Add</i>	13.99		
23 31 13 13-0107	LF	12" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	56.26	30.14	
		<i>For 3" WG (Class B), Add</i>	7.53		
		<i>For 4" Or 6" WG (Class A), Add</i>	16.07		
		<i>For 10" WG (Class A), Add</i>	23.10		
		<i>For Work In Restricted Working Space, Add</i>	15.07		
23 31 13 13-0108	LF	12" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	60.27	32.29	
		<i>For 3" WG (Class B), Add</i>	8.07		
		<i>For 4" Or 6" WG (Class A), Add</i>	17.22		
		<i>For 10" WG (Class A), Add</i>	24.75		
		<i>For Work In Restricted Working Space, Add</i>	16.14		
23 31 13 13-0109	LF	12" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	64.30	34.44	
		<i>For 3" WG (Class B), Add</i>	8.61		
		<i>For 4" Or 6" WG (Class A), Add</i>	18.36		
		<i>For 10" WG (Class A), Add</i>	26.40		
		<i>For Work In Restricted Working Space, Add</i>	17.22		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0110 LF 12" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.33	36.60
<i>For 3" WG (Class B), Add</i>	9.15	
<i>For 4" Or 6" WG (Class A), Add</i>	19.52	
<i>For 10" WG (Class A), Add</i>	28.06	
<i>For Work In Restricted Working Space, Add</i>	18.30	
23 31 13 13-0111 LF 12" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.33	38.73
<i>For 3" WG (Class B), Add</i>	9.69	
<i>For 4" Or 6" WG (Class A), Add</i>	20.66	
<i>For 10" WG (Class A), Add</i>	29.70	
<i>For Work In Restricted Working Space, Add</i>	19.37	
23 31 13 13-0112 LF 14" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	56.26	30.14
<i>For 3" WG (Class B), Add</i>	7.53	
<i>For 4" Or 6" WG (Class A), Add</i>	16.07	
<i>For 10" WG (Class A), Add</i>	23.10	
<i>For Work In Restricted Working Space, Add</i>	15.07	
23 31 13 13-0113 LF 14" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.27	32.29
<i>For 3" WG (Class B), Add</i>	8.07	
<i>For 4" Or 6" WG (Class A), Add</i>	17.22	
<i>For 10" WG (Class A), Add</i>	24.75	
<i>For Work In Restricted Working Space, Add</i>	16.14	
23 31 13 13-0114 LF 14" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	64.30	34.44
<i>For 3" WG (Class B), Add</i>	8.61	
<i>For 4" Or 6" WG (Class A), Add</i>	18.36	
<i>For 10" WG (Class A), Add</i>	26.40	
<i>For Work In Restricted Working Space, Add</i>	17.22	
23 31 13 13-0115 LF 14" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.33	36.60
<i>For 3" WG (Class B), Add</i>	9.15	
<i>For 4" Or 6" WG (Class A), Add</i>	19.52	
<i>For 10" WG (Class A), Add</i>	28.06	
<i>For Work In Restricted Working Space, Add</i>	18.30	
23 31 13 13-0116 LF 14" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.33	38.73
<i>For 3" WG (Class B), Add</i>	9.69	
<i>For 4" Or 6" WG (Class A), Add</i>	20.66	
<i>For 10" WG (Class A), Add</i>	29.70	
<i>For Work In Restricted Working Space, Add</i>	19.37	
23 31 13 13-0117 LF 14" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	76.37	40.90
<i>For 3" WG (Class B), Add</i>	10.22	
<i>For 4" Or 6" WG (Class A), Add</i>	21.81	
<i>For 10" WG (Class A), Add</i>	31.35	
<i>For Work In Restricted Working Space, Add</i>	20.45	
23 31 13 13-0118 LF 16" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	64.30	34.44
<i>For 3" WG (Class B), Add</i>	8.61	
<i>For 4" Or 6" WG (Class A), Add</i>	18.36	
<i>For 10" WG (Class A), Add</i>	26.40	
<i>For Work In Restricted Working Space, Add</i>	17.22	
23 31 13 13-0119 LF 16" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.33	36.60
<i>For 3" WG (Class B), Add</i>	9.15	
<i>For 4" Or 6" WG (Class A), Add</i>	19.52	
<i>For 10" WG (Class A), Add</i>	28.06	
<i>For Work In Restricted Working Space, Add</i>	18.30	
23 31 13 13-0120 LF 16" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.33	38.73
<i>For 3" WG (Class B), Add</i>	9.69	
<i>For 4" Or 6" WG (Class A), Add</i>	20.66	
<i>For 10" WG (Class A), Add</i>	29.70	
<i>For Work In Restricted Working Space, Add</i>	19.37	
23 31 13 13-0121 LF 16" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	76.37	40.90
<i>For 3" WG (Class B), Add</i>	10.22	
<i>For 4" Or 6" WG (Class A), Add</i>	21.81	
<i>For 10" WG (Class A), Add</i>	31.35	
<i>For Work In Restricted Working Space, Add</i>	20.45	
23 31 13 13-0122 LF 16" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	80.37	43.05
<i>For 3" WG (Class B), Add</i>	10.76	
<i>For 4" Or 6" WG (Class A), Add</i>	22.96	
<i>For 10" WG (Class A), Add</i>	33.00	
<i>For Work In Restricted Working Space, Add</i>	21.52	
23 31 13 13-0123 LF 18" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.33	38.73
<i>For 3" WG (Class B), Add</i>	9.69	
<i>For 4" Or 6" WG (Class A), Add</i>	20.66	
<i>For 10" WG (Class A), Add</i>	29.70	
<i>For Work In Restricted Working Space, Add</i>	19.37	
23 31 13 13-0124 LF 18" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	76.37	40.90
<i>For 3" WG (Class B), Add</i>	10.22	
<i>For 4" Or 6" WG (Class A), Add</i>	21.81	
<i>For 10" WG (Class A), Add</i>	31.35	
<i>For Work In Restricted Working Space, Add</i>	20.45	
23 31 13 13-0125 LF 18" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	80.37	43.05
<i>For 3" WG (Class B), Add</i>	10.76	
<i>For 4" Or 6" WG (Class A), Add</i>	22.96	
<i>For 10" WG (Class A), Add</i>	33.00	
<i>For Work In Restricted Working Space, Add</i>	21.52	
23 31 13 13-0126 LF 18" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	84.39	45.21
<i>For 3" WG (Class B), Add</i>	11.30	
<i>For 4" Or 6" WG (Class A), Add</i>	24.11	
<i>For 10" WG (Class A), Add</i>	34.65	
<i>For Work In Restricted Working Space, Add</i>	22.60	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0127	LF		20" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	80.37	43.05
			For 3" WG (Class B), Add	10.76	
			For 4" Or 6" WG (Class A), Add	22.96	
			For 10" WG (Class A), Add	33.00	
			For Work In Restricted Working Space, Add	21.52	
23 31 13 13-0128	LF		20" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	84.39	45.21
			For 3" WG (Class B), Add	11.30	
			For 4" Or 6" WG (Class A), Add	24.11	
			For 10" WG (Class A), Add	34.65	
			For Work In Restricted Working Space, Add	22.60	
23 31 13 13-0129	LF		20" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	88.42	47.35
			For 3" WG (Class B), Add	11.84	
			For 4" Or 6" WG (Class A), Add	25.25	
			For 10" WG (Class A), Add	36.30	
			For Work In Restricted Working Space, Add	23.68	
23 31 13 13-0130	LF		22" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	88.42	47.35
			For 3" WG (Class B), Add	11.84	
			For 4" Or 6" WG (Class A), Add	25.25	
			For 10" WG (Class A), Add	36.30	
			For Work In Restricted Working Space, Add	23.68	
23 31 13 13-0131	LF		22" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	92.43	49.50
			For 3" WG (Class B), Add	12.38	
			For 4" Or 6" WG (Class A), Add	26.40	
			For 10" WG (Class A), Add	37.95	
			For Work In Restricted Working Space, Add	24.75	
23 31 13 13-0132	LF		24" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	96.45	51.66
			For 3" WG (Class B), Add	12.92	
			For 4" Or 6" WG (Class A), Add	27.55	
			For 10" WG (Class A), Add	39.61	
			For Work In Restricted Working Space, Add	25.83	
<b>23 31 13 13-0133</b>			<b>26 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>		
23 31 13 13-0134	LF		4" x 4", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	18.65	9.98
			For 3" WG (Class B), Add	2.50	
			For 4" Or 6" WG (Class A), Add	5.33	
			For 10" WG (Class A), Add	7.66	
			For Work In Restricted Working Space, Add	5.00	
23 31 13 13-0135	LF		4" x 6", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.31	12.48
			For 3" WG (Class B), Add	3.12	
			For 4" Or 6" WG (Class A), Add	6.66	
			For 10" WG (Class A), Add	9.57	
			For Work In Restricted Working Space, Add	6.24	
23 31 13 13-0136	LF		4" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	27.97	14.99
			For 3" WG (Class B), Add	3.75	
			For 4" Or 6" WG (Class A), Add	7.99	
			For 10" WG (Class A), Add	11.49	
			For Work In Restricted Working Space, Add	7.49	
23 31 13 13-0137	LF		4" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	32.63	17.48
			For 3" WG (Class B), Add	4.37	
			For 4" Or 6" WG (Class A), Add	9.32	
			For 10" WG (Class A), Add	13.40	
			For Work In Restricted Working Space, Add	8.74	
23 31 13 13-0138	LF		4" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.29	19.98
			For 3" WG (Class B), Add	4.99	
			For 4" Or 6" WG (Class A), Add	10.65	
			For 10" WG (Class A), Add	15.31	
			For Work In Restricted Working Space, Add	9.99	
23 31 13 13-0139	LF		4" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.95	22.47
			For 3" WG (Class B), Add	5.62	
			For 4" Or 6" WG (Class A), Add	11.98	
			For 10" WG (Class A), Add	17.23	
			For Work In Restricted Working Space, Add	11.24	
23 31 13 13-0140	LF		4" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	46.62	24.97
			For 3" WG (Class B), Add	6.24	
			For 4" Or 6" WG (Class A), Add	13.32	
			For 10" WG (Class A), Add	19.15	
			For Work In Restricted Working Space, Add	12.49	
23 31 13 13-0141	LF		6" x 6", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	27.97	14.99
			For 3" WG (Class B), Add	3.75	
			For 4" Or 6" WG (Class A), Add	7.99	
			For 10" WG (Class A), Add	11.49	
			For Work In Restricted Working Space, Add	7.49	
23 31 13 13-0142	LF		6" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	32.63	17.48
			For 3" WG (Class B), Add	4.37	
			For 4" Or 6" WG (Class A), Add	9.32	
			For 10" WG (Class A), Add	13.40	
			For Work In Restricted Working Space, Add	8.74	
23 31 13 13-0143	LF		6" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.29	19.98
			For 3" WG (Class B), Add	4.99	
			For 4" Or 6" WG (Class A), Add	10.65	
			For 10" WG (Class A), Add	15.31	
			For Work In Restricted Working Space, Add	9.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0144 LF 6" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.96	22.47
<i>For 3" WG (Class B), Add</i>	5.62	
<i>For 4" Or 6" WG (Class A), Add</i>	11.98	
<i>For 10" WG (Class A), Add</i>	17.23	
<i>For Work In Restricted Working Space, Add</i>	11.24	
23 31 13 13-0145 LF 6" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	46.62	24.97
<i>For 3" WG (Class B), Add</i>	6.24	
<i>For 4" Or 6" WG (Class A), Add</i>	13.32	
<i>For 10" WG (Class A), Add</i>	19.15	
<i>For Work In Restricted Working Space, Add</i>	12.49	
23 31 13 13-0146 LF 6" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.29	27.46
<i>For 3" WG (Class B), Add</i>	6.87	
<i>For 4" Or 6" WG (Class A), Add</i>	14.65	
<i>For 10" WG (Class A), Add</i>	21.06	
<i>For Work In Restricted Working Space, Add</i>	13.73	
23 31 13 13-0147 LF 8" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.29	19.98
<i>For 3" WG (Class B), Add</i>	4.99	
<i>For 4" Or 6" WG (Class A), Add</i>	10.65	
<i>For 10" WG (Class A), Add</i>	15.31	
<i>For Work In Restricted Working Space, Add</i>	9.99	
23 31 13 13-0148 LF 8" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.96	22.47
<i>For 3" WG (Class B), Add</i>	5.62	
<i>For 4" Or 6" WG (Class A), Add</i>	11.98	
<i>For 10" WG (Class A), Add</i>	17.23	
<i>For Work In Restricted Working Space, Add</i>	11.24	
23 31 13 13-0149 LF 8" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	46.63	24.97
<i>For 3" WG (Class B), Add</i>	6.24	
<i>For 4" Or 6" WG (Class A), Add</i>	13.32	
<i>For 10" WG (Class A), Add</i>	19.15	
<i>For Work In Restricted Working Space, Add</i>	12.49	
23 31 13 13-0150 LF 8" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.29	27.46
<i>For 3" WG (Class B), Add</i>	6.87	
<i>For 4" Or 6" WG (Class A), Add</i>	14.65	
<i>For 10" WG (Class A), Add</i>	21.06	
<i>For Work In Restricted Working Space, Add</i>	13.73	
23 31 13 13-0151 LF 8" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	55.95	29.96
<i>For 3" WG (Class B), Add</i>	7.49	
<i>For 4" Or 6" WG (Class A), Add</i>	15.98	
<i>For 10" WG (Class A), Add</i>	22.97	
<i>For Work In Restricted Working Space, Add</i>	14.98	
23 31 13 13-0152 LF 8" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.61	32.46
<i>For 3" WG (Class B), Add</i>	8.12	
<i>For 4" Or 6" WG (Class A), Add</i>	17.31	
<i>For 10" WG (Class A), Add</i>	24.89	
<i>For Work In Restricted Working Space, Add</i>	16.23	
23 31 13 13-0153 LF 8" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.26	34.96
<i>For 3" WG (Class B), Add</i>	8.74	
<i>For 4" Or 6" WG (Class A), Add</i>	18.64	
<i>For 10" WG (Class A), Add</i>	26.80	
<i>For Work In Restricted Working Space, Add</i>	17.48	
23 31 13 13-0154 LF 8" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	69.94	37.45
<i>For 3" WG (Class B), Add</i>	9.36	
<i>For 4" Or 6" WG (Class A), Add</i>	19.97	
<i>For 10" WG (Class A), Add</i>	28.71	
<i>For Work In Restricted Working Space, Add</i>	18.73	
23 31 13 13-0155 LF 8" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	74.59	39.94
<i>For 3" WG (Class B), Add</i>	9.99	
<i>For 4" Or 6" WG (Class A), Add</i>	21.31	
<i>For 10" WG (Class A), Add</i>	30.63	
<i>For Work In Restricted Working Space, Add</i>	19.97	
23 31 13 13-0156 LF 10" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	46.63	24.97
<i>For 3" WG (Class B), Add</i>	6.24	
<i>For 4" Or 6" WG (Class A), Add</i>	13.32	
<i>For 10" WG (Class A), Add</i>	19.15	
<i>For Work In Restricted Working Space, Add</i>	12.49	
23 31 13 13-0157 LF 10" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.29	27.46
<i>For 3" WG (Class B), Add</i>	6.87	
<i>For 4" Or 6" WG (Class A), Add</i>	14.65	
<i>For 10" WG (Class A), Add</i>	21.06	
<i>For Work In Restricted Working Space, Add</i>	13.73	
23 31 13 13-0158 LF 10" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	55.95	29.96
<i>For 3" WG (Class B), Add</i>	7.49	
<i>For 4" Or 6" WG (Class A), Add</i>	15.98	
<i>For 10" WG (Class A), Add</i>	22.97	
<i>For Work In Restricted Working Space, Add</i>	14.98	
23 31 13 13-0159 LF 10" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.61	32.46
<i>For 3" WG (Class B), Add</i>	8.12	
<i>For 4" Or 6" WG (Class A), Add</i>	17.31	
<i>For 10" WG (Class A), Add</i>	24.89	
<i>For Work In Restricted Working Space, Add</i>	16.23	
23 31 13 13-0160 LF 10" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.26	34.96
<i>For 3" WG (Class B), Add</i>	8.74	
<i>For 4" Or 6" WG (Class A), Add</i>	18.64	
<i>For 10" WG (Class A), Add</i>	26.80	
<i>For Work In Restricted Working Space, Add</i>	17.48	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0161	LF	10" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	69.94	37.45
			<i>For 3" WG (Class B), Add</i>	9.36	
			<i>For 4" Or 6" WG (Class A), Add</i>	19.97	
			<i>For 10" WG (Class A), Add</i>	28.71	
			<i>For Work In Restricted Working Space, Add</i>	18.73	
23 31	13 13-0162	LF	10" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	74.59	39.94
			<i>For 3" WG (Class B), Add</i>	9.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	21.31	
			<i>For 10" WG (Class A), Add</i>	30.63	
			<i>For Work In Restricted Working Space, Add</i>	19.97	
23 31	13 13-0163	LF	10" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.26	42.45
			<i>For 3" WG (Class B), Add</i>	10.61	
			<i>For 4" Or 6" WG (Class A), Add</i>	22.64	
			<i>For 10" WG (Class A), Add</i>	32.55	
			<i>For Work In Restricted Working Space, Add</i>	21.23	
23 31	13 13-0164	LF	12" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	55.95	29.96
			<i>For 3" WG (Class B), Add</i>	7.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	15.98	
			<i>For 10" WG (Class A), Add</i>	22.97	
			<i>For Work In Restricted Working Space, Add</i>	14.98	
23 31	13 13-0165	LF	12" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.61	32.46
			<i>For 3" WG (Class B), Add</i>	8.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	17.31	
			<i>For 10" WG (Class A), Add</i>	24.89	
			<i>For Work In Restricted Working Space, Add</i>	16.23	
23 31	13 13-0166	LF	12" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.26	34.96
			<i>For 3" WG (Class B), Add</i>	8.74	
			<i>For 4" Or 6" WG (Class A), Add</i>	18.64	
			<i>For 10" WG (Class A), Add</i>	26.80	
			<i>For Work In Restricted Working Space, Add</i>	17.48	
23 31	13 13-0167	LF	12" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	69.94	37.45
			<i>For 3" WG (Class B), Add</i>	9.36	
			<i>For 4" Or 6" WG (Class A), Add</i>	19.97	
			<i>For 10" WG (Class A), Add</i>	28.71	
			<i>For Work In Restricted Working Space, Add</i>	18.73	
23 31	13 13-0168	LF	12" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	74.59	39.94
			<i>For 3" WG (Class B), Add</i>	9.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	21.31	
			<i>For 10" WG (Class A), Add</i>	30.63	
			<i>For Work In Restricted Working Space, Add</i>	19.97	
23 31	13 13-0169	LF	12" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.26	42.45
			<i>For 3" WG (Class B), Add</i>	10.61	
			<i>For 4" Or 6" WG (Class A), Add</i>	22.64	
			<i>For 10" WG (Class A), Add</i>	32.55	
			<i>For Work In Restricted Working Space, Add</i>	21.23	
23 31	13 13-0170	LF	12" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	83.92	44.95
			<i>For 3" WG (Class B), Add</i>	11.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.97	
			<i>For 10" WG (Class A), Add</i>	34.46	
			<i>For Work In Restricted Working Space, Add</i>	22.47	
23 31	13 13-0171	LF	14" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.26	34.96
			<i>For 3" WG (Class B), Add</i>	8.74	
			<i>For 4" Or 6" WG (Class A), Add</i>	18.64	
			<i>For 10" WG (Class A), Add</i>	26.80	
			<i>For Work In Restricted Working Space, Add</i>	17.48	
23 31	13 13-0172	LF	14" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	69.94	37.45
			<i>For 3" WG (Class B), Add</i>	9.36	
			<i>For 4" Or 6" WG (Class A), Add</i>	19.97	
			<i>For 10" WG (Class A), Add</i>	28.71	
			<i>For Work In Restricted Working Space, Add</i>	18.73	
23 31	13 13-0173	LF	14" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	74.59	39.94
			<i>For 3" WG (Class B), Add</i>	9.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	21.31	
			<i>For 10" WG (Class A), Add</i>	30.63	
			<i>For Work In Restricted Working Space, Add</i>	19.97	
23 31	13 13-0174	LF	14" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.26	42.45
			<i>For 3" WG (Class B), Add</i>	10.61	
			<i>For 4" Or 6" WG (Class A), Add</i>	22.64	
			<i>For 10" WG (Class A), Add</i>	32.55	
			<i>For Work In Restricted Working Space, Add</i>	21.23	
23 31	13 13-0175	LF	14" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	83.92	44.95
			<i>For 3" WG (Class B), Add</i>	11.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.97	
			<i>For 10" WG (Class A), Add</i>	34.46	
			<i>For Work In Restricted Working Space, Add</i>	22.47	
23 31	13 13-0176	LF	14" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	88.59	47.45
			<i>For 3" WG (Class B), Add</i>	11.86	
			<i>For 4" Or 6" WG (Class A), Add</i>	25.30	
			<i>For 10" WG (Class A), Add</i>	36.37	
			<i>For Work In Restricted Working Space, Add</i>	23.72	
23 31	13 13-0177	LF	16" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	74.59	39.94
			<i>For 3" WG (Class B), Add</i>	9.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	21.31	
			<i>For 10" WG (Class A), Add</i>	30.63	
			<i>For Work In Restricted Working Space, Add</i>	19.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0178 LF 16" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.26	42.45
<i>For 3" WG (Class B), Add</i>	10.61	
<i>For 4" Or 6" WG (Class A), Add</i>	22.64	
<i>For 10" WG (Class A), Add</i>	32.55	
<i>For Work In Restricted Working Space, Add</i>	21.23	
23 31 13 13-0179 LF 16" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	83.92	44.95
<i>For 3" WG (Class B), Add</i>	11.24	
<i>For 4" Or 6" WG (Class A), Add</i>	23.97	
<i>For 10" WG (Class A), Add</i>	34.46	
<i>For Work In Restricted Working Space, Add</i>	22.47	
23 31 13 13-0180 LF 16" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	88.59	47.45
<i>For 3" WG (Class B), Add</i>	11.86	
<i>For 4" Or 6" WG (Class A), Add</i>	25.30	
<i>For 10" WG (Class A), Add</i>	36.37	
<i>For Work In Restricted Working Space, Add</i>	23.72	
23 31 13 13-0181 LF 16" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	93.25	49.94
<i>For 3" WG (Class B), Add</i>	12.48	
<i>For 4" Or 6" WG (Class A), Add</i>	26.63	
<i>For 10" WG (Class A), Add</i>	38.29	
<i>For Work In Restricted Working Space, Add</i>	24.97	
23 31 13 13-0182 LF 18" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	83.92	44.95
<i>For 3" WG (Class B), Add</i>	11.24	
<i>For 4" Or 6" WG (Class A), Add</i>	23.97	
<i>For 10" WG (Class A), Add</i>	34.46	
<i>For Work In Restricted Working Space, Add</i>	22.47	
23 31 13 13-0183 LF 18" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	88.59	47.45
<i>For 3" WG (Class B), Add</i>	11.86	
<i>For 4" Or 6" WG (Class A), Add</i>	25.30	
<i>For 10" WG (Class A), Add</i>	36.37	
<i>For Work In Restricted Working Space, Add</i>	23.72	
23 31 13 13-0184 LF 18" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	93.25	49.94
<i>For 3" WG (Class B), Add</i>	12.48	
<i>For 4" Or 6" WG (Class A), Add</i>	26.63	
<i>For 10" WG (Class A), Add</i>	38.29	
<i>For Work In Restricted Working Space, Add</i>	24.97	
23 31 13 13-0185 LF 18" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	97.90	52.43
<i>For 3" WG (Class B), Add</i>	13.11	
<i>For 4" Or 6" WG (Class A), Add</i>	27.96	
<i>For 10" WG (Class A), Add</i>	40.20	
<i>For Work In Restricted Working Space, Add</i>	26.22	
23 31 13 13-0186 LF 20" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	93.25	49.94
<i>For 3" WG (Class B), Add</i>	12.48	
<i>For 4" Or 6" WG (Class A), Add</i>	26.63	
<i>For 10" WG (Class A), Add</i>	38.29	
<i>For Work In Restricted Working Space, Add</i>	24.97	
23 31 13 13-0187 LF 20" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	97.90	52.43
<i>For 3" WG (Class B), Add</i>	13.11	
<i>For 4" Or 6" WG (Class A), Add</i>	27.96	
<i>For 10" WG (Class A), Add</i>	40.20	
<i>For Work In Restricted Working Space, Add</i>	26.22	
23 31 13 13-0188 LF 20" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	102.56	54.93
<i>For 3" WG (Class B), Add</i>	13.73	
<i>For 4" Or 6" WG (Class A), Add</i>	29.30	
<i>For 10" WG (Class A), Add</i>	42.11	
<i>For Work In Restricted Working Space, Add</i>	27.47	
23 31 13 13-0189 LF 22" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	102.56	54.93
<i>For 3" WG (Class B), Add</i>	13.73	
<i>For 4" Or 6" WG (Class A), Add</i>	29.30	
<i>For 10" WG (Class A), Add</i>	42.11	
<i>For Work In Restricted Working Space, Add</i>	27.47	
23 31 13 13-0190 LF 22" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	107.23	57.43
<i>For 3" WG (Class B), Add</i>	14.36	
<i>For 4" Or 6" WG (Class A), Add</i>	30.63	
<i>For 10" WG (Class A), Add</i>	44.03	
<i>For Work In Restricted Working Space, Add</i>	28.71	
23 31 13 13-0191 LF 24" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	111.90	59.93
<i>For 3" WG (Class B), Add</i>	14.98	
<i>For 4" Or 6" WG (Class A), Add</i>	31.96	
<i>For 10" WG (Class A), Add</i>	45.94	
<i>For Work In Restricted Working Space, Add</i>	29.96	
<b>23 31 13 13-0192 24 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>		
23 31 13 13-0193 LF 4" x 4", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.40	15.50
<i>For 3" WG (Class B), Add</i>	3.88	
<i>For 4" Or 6" WG (Class A), Add</i>	8.27	
<i>For 10" WG (Class A), Add</i>	11.89	
<i>For Work In Restricted Working Space, Add</i>	7.75	
23 31 13 13-0194 LF 4" x 6", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	35.49	19.37
<i>For 3" WG (Class B), Add</i>	4.85	
<i>For 4" Or 6" WG (Class A), Add</i>	10.34	
<i>For 10" WG (Class A), Add</i>	14.86	
<i>For Work In Restricted Working Space, Add</i>	9.69	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0195	LF	4" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	42.58	23.25
			For 3" WG (Class B), Add	5.81	
			For 4" Or 6" WG (Class A), Add	12.40	
			For 10" WG (Class A), Add	17.83	
			For Work In Restricted Working Space, Add	11.63	
23 31	13 13-0196	LF	4" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	49.68	27.13
			For 3" WG (Class B), Add	6.78	
			For 4" Or 6" WG (Class A), Add	14.47	
			For 10" WG (Class A), Add	20.80	
			For Work In Restricted Working Space, Add	13.56	
23 31	13 13-0197	LF	4" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	56.77	31.01
			For 3" WG (Class B), Add	7.75	
			For 4" Or 6" WG (Class A), Add	16.53	
			For 10" WG (Class A), Add	23.76	
			For Work In Restricted Working Space, Add	15.50	
23 31	13 13-0198	LF	4" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.87	34.88
			For 3" WG (Class B), Add	8.72	
			For 4" Or 6" WG (Class A), Add	18.60	
			For 10" WG (Class A), Add	26.74	
			For Work In Restricted Working Space, Add	17.44	
23 31	13 13-0199	LF	4" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	70.97	38.75
			For 3" WG (Class B), Add	9.69	
			For 4" Or 6" WG (Class A), Add	20.67	
			For 10" WG (Class A), Add	29.71	
			For Work In Restricted Working Space, Add	19.37	
23 31	13 13-0200	LF	6" x 6", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	42.58	23.25
			For 3" WG (Class B), Add	5.81	
			For 4" Or 6" WG (Class A), Add	12.40	
			For 10" WG (Class A), Add	17.83	
			For Work In Restricted Working Space, Add	11.63	
23 31	13 13-0201	LF	6" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	49.68	27.13
			For 3" WG (Class B), Add	6.78	
			For 4" Or 6" WG (Class A), Add	14.47	
			For 10" WG (Class A), Add	20.80	
			For Work In Restricted Working Space, Add	13.56	
23 31	13 13-0202	LF	6" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	56.77	31.01
			For 3" WG (Class B), Add	7.75	
			For 4" Or 6" WG (Class A), Add	16.53	
			For 10" WG (Class A), Add	23.76	
			For Work In Restricted Working Space, Add	15.50	
23 31	13 13-0203	LF	6" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.87	34.88
			For 3" WG (Class B), Add	8.72	
			For 4" Or 6" WG (Class A), Add	18.60	
			For 10" WG (Class A), Add	26.74	
			For Work In Restricted Working Space, Add	17.44	
23 31	13 13-0204	LF	6" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	70.97	38.75
			For 3" WG (Class B), Add	9.69	
			For 4" Or 6" WG (Class A), Add	20.67	
			For 10" WG (Class A), Add	29.71	
			For Work In Restricted Working Space, Add	19.37	
23 31	13 13-0205	LF	6" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	78.07	42.63
			For 3" WG (Class B), Add	10.66	
			For 4" Or 6" WG (Class A), Add	22.73	
			For 10" WG (Class A), Add	32.68	
			For Work In Restricted Working Space, Add	21.31	
23 31	13 13-0206	LF	8" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	56.77	31.01
			For 3" WG (Class B), Add	7.75	
			For 4" Or 6" WG (Class A), Add	16.53	
			For 10" WG (Class A), Add	23.76	
			For Work In Restricted Working Space, Add	15.50	
23 31	13 13-0207	LF	8" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.87	34.88
			For 3" WG (Class B), Add	8.72	
			For 4" Or 6" WG (Class A), Add	18.60	
			For 10" WG (Class A), Add	26.74	
			For Work In Restricted Working Space, Add	17.44	
23 31	13 13-0208	LF	8" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	70.97	38.75
			For 3" WG (Class B), Add	9.69	
			For 4" Or 6" WG (Class A), Add	20.67	
			For 10" WG (Class A), Add	29.71	
			For Work In Restricted Working Space, Add	19.37	
23 31	13 13-0209	LF	8" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	78.07	42.63
			For 3" WG (Class B), Add	10.66	
			For 4" Or 6" WG (Class A), Add	22.73	
			For 10" WG (Class A), Add	32.68	
			For Work In Restricted Working Space, Add	21.31	
23 31	13 13-0210	LF	8" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	85.16	46.50
			For 3" WG (Class B), Add	11.63	
			For 4" Or 6" WG (Class A), Add	24.80	
			For 10" WG (Class A), Add	35.65	
			For Work In Restricted Working Space, Add	23.25	
23 31	13 13-0211	LF	8" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	92.25	50.38
			For 3" WG (Class B), Add	12.59	
			For 4" Or 6" WG (Class A), Add	26.86	
			For 10" WG (Class A), Add	38.62	
			For Work In Restricted Working Space, Add	25.19	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0212 LF 8" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	99.35	54.26
<i>For 3" WG (Class B), Add</i>	13.56	
<i>For 4" Or 6" WG (Class A), Add</i>	28.93	
<i>For 10" WG (Class A), Add</i>	41.59	
<i>For Work In Restricted Working Space, Add</i>	27.12	
23 31 13 13-0213 LF 8" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	106.45	58.12
<i>For 3" WG (Class B), Add</i>	14.53	
<i>For 4" Or 6" WG (Class A), Add</i>	31.00	
<i>For 10" WG (Class A), Add</i>	44.56	
<i>For Work In Restricted Working Space, Add</i>	29.06	
23 31 13 13-0214 LF 8" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	113.55	61.99
<i>For 3" WG (Class B), Add</i>	15.50	
<i>For 4" Or 6" WG (Class A), Add</i>	33.07	
<i>For 10" WG (Class A), Add</i>	47.53	
<i>For Work In Restricted Working Space, Add</i>	31.00	
23 31 13 13-0215 LF 10" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	70.97	38.75
<i>For 3" WG (Class B), Add</i>	9.69	
<i>For 4" Or 6" WG (Class A), Add</i>	20.67	
<i>For 10" WG (Class A), Add</i>	29.71	
<i>For Work In Restricted Working Space, Add</i>	19.37	
23 31 13 13-0216 LF 10" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	78.07	42.63
<i>For 3" WG (Class B), Add</i>	10.66	
<i>For 4" Or 6" WG (Class A), Add</i>	22.73	
<i>For 10" WG (Class A), Add</i>	32.68	
<i>For Work In Restricted Working Space, Add</i>	21.31	
23 31 13 13-0217 LF 10" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	85.16	46.50
<i>For 3" WG (Class B), Add</i>	11.63	
<i>For 4" Or 6" WG (Class A), Add</i>	24.80	
<i>For 10" WG (Class A), Add</i>	35.65	
<i>For Work In Restricted Working Space, Add</i>	23.25	
23 31 13 13-0218 LF 10" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	92.25	50.38
<i>For 3" WG (Class B), Add</i>	12.59	
<i>For 4" Or 6" WG (Class A), Add</i>	26.86	
<i>For 10" WG (Class A), Add</i>	38.62	
<i>For Work In Restricted Working Space, Add</i>	25.19	
23 31 13 13-0219 LF 10" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	99.35	54.26
<i>For 3" WG (Class B), Add</i>	13.56	
<i>For 4" Or 6" WG (Class A), Add</i>	28.93	
<i>For 10" WG (Class A), Add</i>	41.59	
<i>For Work In Restricted Working Space, Add</i>	27.12	
23 31 13 13-0220 LF 10" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	106.45	58.12
<i>For 3" WG (Class B), Add</i>	14.53	
<i>For 4" Or 6" WG (Class A), Add</i>	31.00	
<i>For 10" WG (Class A), Add</i>	44.56	
<i>For Work In Restricted Working Space, Add</i>	29.06	
23 31 13 13-0221 LF 10" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	113.55	61.99
<i>For 3" WG (Class B), Add</i>	15.50	
<i>For 4" Or 6" WG (Class A), Add</i>	33.07	
<i>For 10" WG (Class A), Add</i>	47.53	
<i>For Work In Restricted Working Space, Add</i>	31.00	
23 31 13 13-0222 LF 10" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	120.65	65.87
<i>For 3" WG (Class B), Add</i>	16.47	
<i>For 4" Or 6" WG (Class A), Add</i>	35.13	
<i>For 10" WG (Class A), Add</i>	50.50	
<i>For Work In Restricted Working Space, Add</i>	32.94	
23 31 13 13-0223 LF 10" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.75	69.74
<i>For 3" WG (Class B), Add</i>	17.44	
<i>For 4" Or 6" WG (Class A), Add</i>	37.20	
<i>For 10" WG (Class A), Add</i>	53.48	
<i>For Work In Restricted Working Space, Add</i>	34.88	
23 31 13 13-0224 LF 10" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	134.85	73.62
<i>For 3" WG (Class B), Add</i>	18.41	
<i>For 4" Or 6" WG (Class A), Add</i>	39.27	
<i>For 10" WG (Class A), Add</i>	56.45	
<i>For Work In Restricted Working Space, Add</i>	36.81	
23 31 13 13-0225 LF 10" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.94	77.50
<i>For 3" WG (Class B), Add</i>	19.37	
<i>For 4" Or 6" WG (Class A), Add</i>	41.33	
<i>For 10" WG (Class A), Add</i>	59.41	
<i>For Work In Restricted Working Space, Add</i>	38.75	
23 31 13 13-0226 LF 12" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	85.16	46.50
<i>For 3" WG (Class B), Add</i>	11.63	
<i>For 4" Or 6" WG (Class A), Add</i>	24.80	
<i>For 10" WG (Class A), Add</i>	35.65	
<i>For Work In Restricted Working Space, Add</i>	23.25	
23 31 13 13-0227 LF 12" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	92.25	50.38
<i>For 3" WG (Class B), Add</i>	12.59	
<i>For 4" Or 6" WG (Class A), Add</i>	26.86	
<i>For 10" WG (Class A), Add</i>	38.62	
<i>For Work In Restricted Working Space, Add</i>	25.19	
23 31 13 13-0228 LF 12" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	99.35	54.26
<i>For 3" WG (Class B), Add</i>	13.56	
<i>For 4" Or 6" WG (Class A), Add</i>	28.93	
<i>For 10" WG (Class A), Add</i>	41.59	
<i>For Work In Restricted Working Space, Add</i>	27.12	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-0229	LF 12" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	106.45	58.12
			For 3" WG (Class B), Add	14.53	
			For 4" Or 6" WG (Class A), Add	31.00	
			For 10" WG (Class A), Add	44.56	
			For Work In Restricted Working Space, Add	29.06	
23 31	13	13-0230	LF 12" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	113.55	61.99
			For 3" WG (Class B), Add	15.50	
			For 4" Or 6" WG (Class A), Add	33.07	
			For 10" WG (Class A), Add	47.53	
			For Work In Restricted Working Space, Add	31.00	
23 31	13	13-0231	LF 12" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	120.65	65.87
			For 3" WG (Class B), Add	16.47	
			For 4" Or 6" WG (Class A), Add	35.13	
			For 10" WG (Class A), Add	50.50	
			For Work In Restricted Working Space, Add	32.94	
23 31	13	13-0232	LF 12" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.75	69.74
			For 3" WG (Class B), Add	17.44	
			For 4" Or 6" WG (Class A), Add	37.20	
			For 10" WG (Class A), Add	53.48	
			For Work In Restricted Working Space, Add	34.88	
23 31	13	13-0233	LF 12" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	134.85	73.62
			For 3" WG (Class B), Add	18.41	
			For 4" Or 6" WG (Class A), Add	39.27	
			For 10" WG (Class A), Add	56.45	
			For Work In Restricted Working Space, Add	36.81	
23 31	13	13-0234	LF 12" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.94	77.50
			For 3" WG (Class B), Add	19.37	
			For 4" Or 6" WG (Class A), Add	41.33	
			For 10" WG (Class A), Add	59.41	
			For Work In Restricted Working Space, Add	38.75	
23 31	13	13-0235	LF 12" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	149.03	81.38
			For 3" WG (Class B), Add	20.34	
			For 4" Or 6" WG (Class A), Add	43.40	
			For 10" WG (Class A), Add	62.39	
			For Work In Restricted Working Space, Add	40.69	
23 31	13	13-0236	LF 14" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	99.35	54.26
			For 3" WG (Class B), Add	13.56	
			For 4" Or 6" WG (Class A), Add	28.93	
			For 10" WG (Class A), Add	41.59	
			For Work In Restricted Working Space, Add	27.12	
23 31	13	13-0237	LF 14" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	106.45	58.12
			For 3" WG (Class B), Add	14.53	
			For 4" Or 6" WG (Class A), Add	31.00	
			For 10" WG (Class A), Add	44.56	
			For Work In Restricted Working Space, Add	29.06	
23 31	13	13-0238	LF 14" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	113.55	61.99
			For 3" WG (Class B), Add	15.50	
			For 4" Or 6" WG (Class A), Add	33.07	
			For 10" WG (Class A), Add	47.53	
			For Work In Restricted Working Space, Add	31.00	
23 31	13	13-0239	LF 14" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	120.65	65.87
			For 3" WG (Class B), Add	16.47	
			For 4" Or 6" WG (Class A), Add	35.13	
			For 10" WG (Class A), Add	50.50	
			For Work In Restricted Working Space, Add	32.94	
23 31	13	13-0240	LF 14" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.75	69.74
			For 3" WG (Class B), Add	17.44	
			For 4" Or 6" WG (Class A), Add	37.20	
			For 10" WG (Class A), Add	53.48	
			For Work In Restricted Working Space, Add	34.88	
23 31	13	13-0241	LF 14" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	134.85	73.62
			For 3" WG (Class B), Add	18.41	
			For 4" Or 6" WG (Class A), Add	39.27	
			For 10" WG (Class A), Add	56.45	
			For Work In Restricted Working Space, Add	36.81	
23 31	13	13-0242	LF 14" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.94	77.50
			For 3" WG (Class B), Add	19.37	
			For 4" Or 6" WG (Class A), Add	41.33	
			For 10" WG (Class A), Add	59.41	
			For Work In Restricted Working Space, Add	38.75	
23 31	13	13-0243	LF 14" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	149.03	81.38
			For 3" WG (Class B), Add	20.34	
			For 4" Or 6" WG (Class A), Add	43.40	
			For 10" WG (Class A), Add	62.39	
			For Work In Restricted Working Space, Add	40.69	
23 31	13	13-0244	LF 14" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	156.13	85.24
			For 3" WG (Class B), Add	21.31	
			For 4" Or 6" WG (Class A), Add	45.47	
			For 10" WG (Class A), Add	65.36	
			For Work In Restricted Working Space, Add	42.62	
23 31	13	13-0245	LF 16" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	113.55	61.99
			For 3" WG (Class B), Add	15.50	
			For 4" Or 6" WG (Class A), Add	33.07	
			For 10" WG (Class A), Add	47.53	
			For Work In Restricted Working Space, Add	31.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0246 LF 16" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	120.65	65.87
<i>For 3" WG (Class B), Add</i>	16.47	
<i>For 4" Or 6" WG (Class A), Add</i>	35.13	
<i>For 10" WG (Class A), Add</i>	50.50	
<i>For Work In Restricted Working Space, Add</i>	32.94	
23 31 13 13-0247 LF 16" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.75	69.74
<i>For 3" WG (Class B), Add</i>	17.44	
<i>For 4" Or 6" WG (Class A), Add</i>	37.20	
<i>For 10" WG (Class A), Add</i>	53.48	
<i>For Work In Restricted Working Space, Add</i>	34.88	
23 31 13 13-0248 LF 16" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	134.85	73.62
<i>For 3" WG (Class B), Add</i>	18.41	
<i>For 4" Or 6" WG (Class A), Add</i>	39.27	
<i>For 10" WG (Class A), Add</i>	56.45	
<i>For Work In Restricted Working Space, Add</i>	36.81	
23 31 13 13-0249 LF 16" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.94	77.50
<i>For 3" WG (Class B), Add</i>	19.37	
<i>For 4" Or 6" WG (Class A), Add</i>	41.33	
<i>For 10" WG (Class A), Add</i>	59.41	
<i>For Work In Restricted Working Space, Add</i>	38.75	
23 31 13 13-0250 LF 16" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	149.03	81.38
<i>For 3" WG (Class B), Add</i>	20.34	
<i>For 4" Or 6" WG (Class A), Add</i>	43.40	
<i>For 10" WG (Class A), Add</i>	62.39	
<i>For Work In Restricted Working Space, Add</i>	40.69	
23 31 13 13-0251 LF 16" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	156.13	85.24
<i>For 3" WG (Class B), Add</i>	21.31	
<i>For 4" Or 6" WG (Class A), Add</i>	45.47	
<i>For 10" WG (Class A), Add</i>	65.36	
<i>For Work In Restricted Working Space, Add</i>	42.62	
23 31 13 13-0252 LF 16" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	163.22	89.12
<i>For 3" WG (Class B), Add</i>	22.28	
<i>For 4" Or 6" WG (Class A), Add</i>	47.53	
<i>For 10" WG (Class A), Add</i>	68.32	
<i>For Work In Restricted Working Space, Add</i>	44.56	
23 31 13 13-0253 LF 18" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.75	69.74
<i>For 3" WG (Class B), Add</i>	17.44	
<i>For 4" Or 6" WG (Class A), Add</i>	37.20	
<i>For 10" WG (Class A), Add</i>	53.48	
<i>For Work In Restricted Working Space, Add</i>	34.88	
23 31 13 13-0254 LF 18" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	134.85	73.62
<i>For 3" WG (Class B), Add</i>	18.41	
<i>For 4" Or 6" WG (Class A), Add</i>	39.27	
<i>For 10" WG (Class A), Add</i>	56.45	
<i>For Work In Restricted Working Space, Add</i>	36.81	
23 31 13 13-0255 LF 18" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.94	77.50
<i>For 3" WG (Class B), Add</i>	19.37	
<i>For 4" Or 6" WG (Class A), Add</i>	41.33	
<i>For 10" WG (Class A), Add</i>	59.41	
<i>For Work In Restricted Working Space, Add</i>	38.75	
23 31 13 13-0256 LF 18" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	149.03	81.38
<i>For 3" WG (Class B), Add</i>	20.34	
<i>For 4" Or 6" WG (Class A), Add</i>	43.40	
<i>For 10" WG (Class A), Add</i>	62.39	
<i>For Work In Restricted Working Space, Add</i>	40.69	
23 31 13 13-0257 LF 18" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	156.13	85.24
<i>For 3" WG (Class B), Add</i>	21.31	
<i>For 4" Or 6" WG (Class A), Add</i>	45.47	
<i>For 10" WG (Class A), Add</i>	65.36	
<i>For Work In Restricted Working Space, Add</i>	42.62	
23 31 13 13-0258 LF 18" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	163.22	89.12
<i>For 3" WG (Class B), Add</i>	22.28	
<i>For 4" Or 6" WG (Class A), Add</i>	47.53	
<i>For 10" WG (Class A), Add</i>	68.32	
<i>For Work In Restricted Working Space, Add</i>	44.56	
23 31 13 13-0259 LF 18" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	170.33	93.00
<i>For 3" WG (Class B), Add</i>	23.25	
<i>For 4" Or 6" WG (Class A), Add</i>	49.60	
<i>For 10" WG (Class A), Add</i>	71.30	
<i>For Work In Restricted Working Space, Add</i>	46.50	
23 31 13 13-0260 LF 20" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.94	77.50
<i>For 3" WG (Class B), Add</i>	19.37	
<i>For 4" Or 6" WG (Class A), Add</i>	41.33	
<i>For 10" WG (Class A), Add</i>	59.41	
<i>For Work In Restricted Working Space, Add</i>	38.75	
23 31 13 13-0261 LF 20" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	149.03	81.38
<i>For 3" WG (Class B), Add</i>	20.34	
<i>For 4" Or 6" WG (Class A), Add</i>	43.40	
<i>For 10" WG (Class A), Add</i>	62.39	
<i>For Work In Restricted Working Space, Add</i>	40.69	
23 31 13 13-0262 LF 20" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	156.13	85.24
<i>For 3" WG (Class B), Add</i>	21.31	
<i>For 4" Or 6" WG (Class A), Add</i>	45.47	
<i>For 10" WG (Class A), Add</i>	65.36	
<i>For Work In Restricted Working Space, Add</i>	42.62	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0263	LF	20" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	163.22	89.12
			<i>For 3" WG (Class B), Add</i>	22.28	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.53	
			<i>For 10" WG (Class A), Add</i>	68.32	
			<i>For Work In Restricted Working Space, Add</i>	44.56	
23 31	13 13-0264	LF	20" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	170.33	93.00
			<i>For 3" WG (Class B), Add</i>	23.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	49.60	
			<i>For 10" WG (Class A), Add</i>	71.30	
			<i>For Work In Restricted Working Space, Add</i>	46.50	
23 31	13 13-0265	LF	20" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	177.42	96.87
			<i>For 3" WG (Class B), Add</i>	24.22	
			<i>For 4" Or 6" WG (Class A), Add</i>	51.66	
			<i>For 10" WG (Class A), Add</i>	74.27	
			<i>For Work In Restricted Working Space, Add</i>	48.44	
23 31	13 13-0266	LF	22" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	156.13	85.24
			<i>For 3" WG (Class B), Add</i>	21.31	
			<i>For 4" Or 6" WG (Class A), Add</i>	45.47	
			<i>For 10" WG (Class A), Add</i>	65.36	
			<i>For Work In Restricted Working Space, Add</i>	42.62	
23 31	13 13-0267	LF	22" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	163.22	89.12
			<i>For 3" WG (Class B), Add</i>	22.28	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.53	
			<i>For 10" WG (Class A), Add</i>	68.32	
			<i>For Work In Restricted Working Space, Add</i>	44.56	
23 31	13 13-0268	LF	22" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	170.33	93.00
			<i>For 3" WG (Class B), Add</i>	23.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	49.60	
			<i>For 10" WG (Class A), Add</i>	71.30	
			<i>For Work In Restricted Working Space, Add</i>	46.50	
23 31	13 13-0269	LF	22" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	177.42	96.87
			<i>For 3" WG (Class B), Add</i>	24.22	
			<i>For 4" Or 6" WG (Class A), Add</i>	51.66	
			<i>For 10" WG (Class A), Add</i>	74.27	
			<i>For Work In Restricted Working Space, Add</i>	48.44	
23 31	13 13-0270	LF	22" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	184.52	100.75
			<i>For 3" WG (Class B), Add</i>	25.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	53.73	
			<i>For 10" WG (Class A), Add</i>	77.24	
			<i>For Work In Restricted Working Space, Add</i>	50.37	
23 31	13 13-0271	LF	24" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	170.33	93.00
			<i>For 3" WG (Class B), Add</i>	23.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	49.60	
			<i>For 10" WG (Class A), Add</i>	71.30	
			<i>For Work In Restricted Working Space, Add</i>	46.50	
23 31	13 13-0272	LF	24" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	177.42	96.87
			<i>For 3" WG (Class B), Add</i>	24.22	
			<i>For 4" Or 6" WG (Class A), Add</i>	51.66	
			<i>For 10" WG (Class A), Add</i>	74.27	
			<i>For Work In Restricted Working Space, Add</i>	48.44	
23 31	13 13-0273	LF	24" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	184.52	100.75
			<i>For 3" WG (Class B), Add</i>	25.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	53.73	
			<i>For 10" WG (Class A), Add</i>	77.24	
			<i>For Work In Restricted Working Space, Add</i>	50.37	
23 31	13 13-0274	LF	24" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	191.62	104.63
			<i>For 3" WG (Class B), Add</i>	26.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.80	
			<i>For 10" WG (Class A), Add</i>	80.21	
			<i>For Work In Restricted Working Space, Add</i>	52.31	
23 31	13 13-0275	LF	26" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	184.52	100.75
			<i>For 3" WG (Class B), Add</i>	25.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	53.73	
			<i>For 10" WG (Class A), Add</i>	77.24	
			<i>For Work In Restricted Working Space, Add</i>	50.37	
23 31	13 13-0276	LF	26" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	191.62	104.63
			<i>For 3" WG (Class B), Add</i>	26.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.80	
			<i>For 10" WG (Class A), Add</i>	80.21	
			<i>For Work In Restricted Working Space, Add</i>	52.31	
23 31	13 13-0277	LF	26" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	198.71	108.49
			<i>For 3" WG (Class B), Add</i>	27.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	57.86	
			<i>For 10" WG (Class A), Add</i>	83.18	
			<i>For Work In Restricted Working Space, Add</i>	54.25	
23 31	13 13-0278	LF	28" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	198.71	108.49
			<i>For 3" WG (Class B), Add</i>	27.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	57.86	
			<i>For 10" WG (Class A), Add</i>	83.18	
			<i>For Work In Restricted Working Space, Add</i>	54.25	
23 31	13 13-0279	LF	28" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	205.80	112.37
			<i>For 3" WG (Class B), Add</i>	28.09	
			<i>For 4" Or 6" WG (Class A), Add</i>	59.93	
			<i>For 10" WG (Class A), Add</i>	86.15	
			<i>For Work In Restricted Working Space, Add</i>	56.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0280 LF 30" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	212.91	116.25
<i>For 3" WG (Class B), Add</i>	29.06	
<i>For 4" Or 6" WG (Class A), Add</i>	62.00	
<i>For 10" WG (Class A), Add</i>	89.13	
<i>For Work In Restricted Working Space, Add</i>	58.13	
<b>23 31 13 13-0281 22 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>		
23 31 13 13-0282 LF 4" x 4", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.95	15.50
<i>For 3" WG (Class B), Add</i>	3.88	
<i>For 4" Or 6" WG (Class A), Add</i>	8.27	
<i>For 10" WG (Class A), Add</i>	11.89	
<i>For Work In Restricted Working Space, Add</i>	7.75	
23 31 13 13-0283 LF 4" x 6", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	36.18	19.37
<i>For 3" WG (Class B), Add</i>	4.85	
<i>For 4" Or 6" WG (Class A), Add</i>	10.34	
<i>For 10" WG (Class A), Add</i>	14.86	
<i>For Work In Restricted Working Space, Add</i>	9.69	
23 31 13 13-0284 LF 4" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.41	23.25
<i>For 3" WG (Class B), Add</i>	5.81	
<i>For 4" Or 6" WG (Class A), Add</i>	12.40	
<i>For 10" WG (Class A), Add</i>	17.83	
<i>For Work In Restricted Working Space, Add</i>	11.63	
23 31 13 13-0285 LF 4" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	50.65	27.13
<i>For 3" WG (Class B), Add</i>	6.78	
<i>For 4" Or 6" WG (Class A), Add</i>	14.47	
<i>For 10" WG (Class A), Add</i>	20.80	
<i>For Work In Restricted Working Space, Add</i>	13.56	
23 31 13 13-0286 LF 4" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.88	31.01
<i>For 3" WG (Class B), Add</i>	7.75	
<i>For 4" Or 6" WG (Class A), Add</i>	16.53	
<i>For 10" WG (Class A), Add</i>	23.76	
<i>For Work In Restricted Working Space, Add</i>	15.50	
23 31 13 13-0287 LF 4" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.11	34.88
<i>For 3" WG (Class B), Add</i>	8.72	
<i>For 4" Or 6" WG (Class A), Add</i>	18.60	
<i>For 10" WG (Class A), Add</i>	26.74	
<i>For Work In Restricted Working Space, Add</i>	17.44	
23 31 13 13-0288 LF 4" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.35	38.75
<i>For 3" WG (Class B), Add</i>	9.69	
<i>For 4" Or 6" WG (Class A), Add</i>	20.67	
<i>For 10" WG (Class A), Add</i>	29.71	
<i>For Work In Restricted Working Space, Add</i>	19.37	
23 31 13 13-0289 LF 6" x 6", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.41	23.25
<i>For 3" WG (Class B), Add</i>	5.81	
<i>For 4" Or 6" WG (Class A), Add</i>	12.40	
<i>For 10" WG (Class A), Add</i>	17.83	
<i>For Work In Restricted Working Space, Add</i>	11.63	
23 31 13 13-0290 LF 6" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	50.65	27.13
<i>For 3" WG (Class B), Add</i>	6.78	
<i>For 4" Or 6" WG (Class A), Add</i>	14.47	
<i>For 10" WG (Class A), Add</i>	20.80	
<i>For Work In Restricted Working Space, Add</i>	13.56	
23 31 13 13-0291 LF 6" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.88	31.01
<i>For 3" WG (Class B), Add</i>	7.75	
<i>For 4" Or 6" WG (Class A), Add</i>	16.53	
<i>For 10" WG (Class A), Add</i>	23.76	
<i>For Work In Restricted Working Space, Add</i>	15.50	
23 31 13 13-0292 LF 6" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.11	34.88
<i>For 3" WG (Class B), Add</i>	8.72	
<i>For 4" Or 6" WG (Class A), Add</i>	18.60	
<i>For 10" WG (Class A), Add</i>	26.74	
<i>For Work In Restricted Working Space, Add</i>	17.44	
23 31 13 13-0293 LF 6" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.35	38.75
<i>For 3" WG (Class B), Add</i>	9.69	
<i>For 4" Or 6" WG (Class A), Add</i>	20.67	
<i>For 10" WG (Class A), Add</i>	29.71	
<i>For Work In Restricted Working Space, Add</i>	19.37	
23 31 13 13-0294 LF 6" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.59	42.63
<i>For 3" WG (Class B), Add</i>	10.66	
<i>For 4" Or 6" WG (Class A), Add</i>	22.73	
<i>For 10" WG (Class A), Add</i>	32.68	
<i>For Work In Restricted Working Space, Add</i>	21.31	
23 31 13 13-0295 LF 8" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.88	31.01
<i>For 3" WG (Class B), Add</i>	7.75	
<i>For 4" Or 6" WG (Class A), Add</i>	16.53	
<i>For 10" WG (Class A), Add</i>	23.76	
<i>For Work In Restricted Working Space, Add</i>	15.50	
23 31 13 13-0296 LF 8" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.11	34.88
<i>For 3" WG (Class B), Add</i>	8.72	
<i>For 4" Or 6" WG (Class A), Add</i>	18.60	
<i>For 10" WG (Class A), Add</i>	26.74	
<i>For Work In Restricted Working Space, Add</i>	17.44	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0297	LF	8" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	72.35	38.75	
		<i>For 3" WG (Class B), Add</i>	9.69		
		<i>For 4" Or 6" WG (Class A), Add</i>	20.67		
		<i>For 10" WG (Class A), Add</i>	29.71		
		<i>For Work In Restricted Working Space, Add</i>	19.37		
23 31 13 13-0298	LF	8" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	79.59	42.63	
		<i>For 3" WG (Class B), Add</i>	10.66		
		<i>For 4" Or 6" WG (Class A), Add</i>	22.73		
		<i>For 10" WG (Class A), Add</i>	32.68		
		<i>For Work In Restricted Working Space, Add</i>	21.31		
23 31 13 13-0299	LF	8" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	86.82	46.50	
		<i>For 3" WG (Class B), Add</i>	11.63		
		<i>For 4" Or 6" WG (Class A), Add</i>	24.80		
		<i>For 10" WG (Class A), Add</i>	35.65		
		<i>For Work In Restricted Working Space, Add</i>	23.25		
23 31 13 13-0300	LF	8" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	94.05	50.38	
		<i>For 3" WG (Class B), Add</i>	12.59		
		<i>For 4" Or 6" WG (Class A), Add</i>	26.86		
		<i>For 10" WG (Class A), Add</i>	38.62		
		<i>For Work In Restricted Working Space, Add</i>	25.19		
23 31 13 13-0301	LF	8" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	101.29	54.26	
		<i>For 3" WG (Class B), Add</i>	13.56		
		<i>For 4" Or 6" WG (Class A), Add</i>	28.93		
		<i>For 10" WG (Class A), Add</i>	41.59		
		<i>For Work In Restricted Working Space, Add</i>	27.12		
23 31 13 13-0302	LF	8" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	108.52	58.12	
		<i>For 3" WG (Class B), Add</i>	14.53		
		<i>For 4" Or 6" WG (Class A), Add</i>	31.00		
		<i>For 10" WG (Class A), Add</i>	44.56		
		<i>For Work In Restricted Working Space, Add</i>	29.06		
23 31 13 13-0303	LF	8" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	115.76	61.99	
		<i>For 3" WG (Class B), Add</i>	15.50		
		<i>For 4" Or 6" WG (Class A), Add</i>	33.07		
		<i>For 10" WG (Class A), Add</i>	47.53		
		<i>For Work In Restricted Working Space, Add</i>	31.00		
23 31 13 13-0304	LF	10" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	72.35	38.75	
		<i>For 3" WG (Class B), Add</i>	9.69		
		<i>For 4" Or 6" WG (Class A), Add</i>	20.67		
		<i>For 10" WG (Class A), Add</i>	29.71		
		<i>For Work In Restricted Working Space, Add</i>	19.37		
23 31 13 13-0305	LF	10" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	79.59	42.63	
		<i>For 3" WG (Class B), Add</i>	10.66		
		<i>For 4" Or 6" WG (Class A), Add</i>	22.73		
		<i>For 10" WG (Class A), Add</i>	32.68		
		<i>For Work In Restricted Working Space, Add</i>	21.31		
23 31 13 13-0306	LF	10" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	86.82	46.50	
		<i>For 3" WG (Class B), Add</i>	11.63		
		<i>For 4" Or 6" WG (Class A), Add</i>	24.80		
		<i>For 10" WG (Class A), Add</i>	35.65		
		<i>For Work In Restricted Working Space, Add</i>	23.25		
23 31 13 13-0307	LF	10" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	94.05	50.38	
		<i>For 3" WG (Class B), Add</i>	12.59		
		<i>For 4" Or 6" WG (Class A), Add</i>	26.86		
		<i>For 10" WG (Class A), Add</i>	38.62		
		<i>For Work In Restricted Working Space, Add</i>	25.19		
23 31 13 13-0308	LF	10" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	101.29	54.26	
		<i>For 3" WG (Class B), Add</i>	13.56		
		<i>For 4" Or 6" WG (Class A), Add</i>	28.93		
		<i>For 10" WG (Class A), Add</i>	41.59		
		<i>For Work In Restricted Working Space, Add</i>	27.12		
23 31 13 13-0309	LF	10" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	108.52	58.12	
		<i>For 3" WG (Class B), Add</i>	14.53		
		<i>For 4" Or 6" WG (Class A), Add</i>	31.00		
		<i>For 10" WG (Class A), Add</i>	44.56		
		<i>For Work In Restricted Working Space, Add</i>	29.06		
23 31 13 13-0310	LF	10" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	115.76	61.99	
		<i>For 3" WG (Class B), Add</i>	15.50		
		<i>For 4" Or 6" WG (Class A), Add</i>	33.07		
		<i>For 10" WG (Class A), Add</i>	47.53		
		<i>For Work In Restricted Working Space, Add</i>	31.00		
23 31 13 13-0311	LF	10" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	123.00	65.87	
		<i>For 3" WG (Class B), Add</i>	16.47		
		<i>For 4" Or 6" WG (Class A), Add</i>	35.13		
		<i>For 10" WG (Class A), Add</i>	50.50		
		<i>For Work In Restricted Working Space, Add</i>	32.94		
23 31 13 13-0312	LF	10" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	130.23	69.74	
		<i>For 3" WG (Class B), Add</i>	17.44		
		<i>For 4" Or 6" WG (Class A), Add</i>	37.20		
		<i>For 10" WG (Class A), Add</i>	53.48		
		<i>For Work In Restricted Working Space, Add</i>	34.88		
23 31 13 13-0313	LF	10" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	137.47	73.62	
		<i>For 3" WG (Class B), Add</i>	18.41		
		<i>For 4" Or 6" WG (Class A), Add</i>	39.27		
		<i>For 10" WG (Class A), Add</i>	56.45		
		<i>For Work In Restricted Working Space, Add</i>	36.81		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0314 LF 10" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.70	77.50
<i>For 3" WG (Class B), Add</i>	19.37	
<i>For 4" Or 6" WG (Class A), Add</i>	41.33	
<i>For 10" WG (Class A), Add</i>	59.41	
<i>For Work In Restricted Working Space, Add</i>	38.75	
23 31 13 13-0315 LF 10" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.93	81.38
<i>For 3" WG (Class B), Add</i>	20.34	
<i>For 4" Or 6" WG (Class A), Add</i>	43.40	
<i>For 10" WG (Class A), Add</i>	62.39	
<i>For Work In Restricted Working Space, Add</i>	40.69	
23 31 13 13-0316 LF 12" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	86.82	46.50
<i>For 3" WG (Class B), Add</i>	11.63	
<i>For 4" Or 6" WG (Class A), Add</i>	24.80	
<i>For 10" WG (Class A), Add</i>	35.65	
<i>For Work In Restricted Working Space, Add</i>	23.25	
23 31 13 13-0317 LF 12" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	94.05	50.38
<i>For 3" WG (Class B), Add</i>	12.59	
<i>For 4" Or 6" WG (Class A), Add</i>	26.86	
<i>For 10" WG (Class A), Add</i>	38.62	
<i>For Work In Restricted Working Space, Add</i>	25.19	
23 31 13 13-0318 LF 12" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.29	54.26
<i>For 3" WG (Class B), Add</i>	13.56	
<i>For 4" Or 6" WG (Class A), Add</i>	28.93	
<i>For 10" WG (Class A), Add</i>	41.59	
<i>For Work In Restricted Working Space, Add</i>	27.12	
23 31 13 13-0319 LF 12" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.52	58.12
<i>For 3" WG (Class B), Add</i>	14.53	
<i>For 4" Or 6" WG (Class A), Add</i>	31.00	
<i>For 10" WG (Class A), Add</i>	44.56	
<i>For Work In Restricted Working Space, Add</i>	29.06	
23 31 13 13-0320 LF 12" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	115.76	61.99
<i>For 3" WG (Class B), Add</i>	15.50	
<i>For 4" Or 6" WG (Class A), Add</i>	33.07	
<i>For 10" WG (Class A), Add</i>	47.53	
<i>For Work In Restricted Working Space, Add</i>	31.00	
23 31 13 13-0321 LF 12" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	123.00	65.87
<i>For 3" WG (Class B), Add</i>	16.47	
<i>For 4" Or 6" WG (Class A), Add</i>	35.13	
<i>For 10" WG (Class A), Add</i>	50.50	
<i>For Work In Restricted Working Space, Add</i>	32.94	
23 31 13 13-0322 LF 12" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	130.23	69.74
<i>For 3" WG (Class B), Add</i>	17.44	
<i>For 4" Or 6" WG (Class A), Add</i>	37.20	
<i>For 10" WG (Class A), Add</i>	53.48	
<i>For Work In Restricted Working Space, Add</i>	34.88	
23 31 13 13-0323 LF 12" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	137.47	73.62
<i>For 3" WG (Class B), Add</i>	18.41	
<i>For 4" Or 6" WG (Class A), Add</i>	39.27	
<i>For 10" WG (Class A), Add</i>	56.45	
<i>For Work In Restricted Working Space, Add</i>	36.81	
23 31 13 13-0324 LF 12" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.70	77.50
<i>For 3" WG (Class B), Add</i>	19.37	
<i>For 4" Or 6" WG (Class A), Add</i>	41.33	
<i>For 10" WG (Class A), Add</i>	59.41	
<i>For Work In Restricted Working Space, Add</i>	38.75	
23 31 13 13-0325 LF 12" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.93	81.38
<i>For 3" WG (Class B), Add</i>	20.34	
<i>For 4" Or 6" WG (Class A), Add</i>	43.40	
<i>For 10" WG (Class A), Add</i>	62.39	
<i>For Work In Restricted Working Space, Add</i>	40.69	
23 31 13 13-0326 LF 12" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.17	85.24
<i>For 3" WG (Class B), Add</i>	21.31	
<i>For 4" Or 6" WG (Class A), Add</i>	45.47	
<i>For 10" WG (Class A), Add</i>	65.36	
<i>For Work In Restricted Working Space, Add</i>	42.62	
23 31 13 13-0327 LF 12" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.40	89.12
<i>For 3" WG (Class B), Add</i>	22.28	
<i>For 4" Or 6" WG (Class A), Add</i>	47.53	
<i>For 10" WG (Class A), Add</i>	68.32	
<i>For Work In Restricted Working Space, Add</i>	44.56	
23 31 13 13-0328 LF 12" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	173.65	93.00
<i>For 3" WG (Class B), Add</i>	23.25	
<i>For 4" Or 6" WG (Class A), Add</i>	49.60	
<i>For 10" WG (Class A), Add</i>	71.30	
<i>For Work In Restricted Working Space, Add</i>	46.50	
23 31 13 13-0329 LF 14" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.29	54.26
<i>For 3" WG (Class B), Add</i>	13.56	
<i>For 4" Or 6" WG (Class A), Add</i>	28.93	
<i>For 10" WG (Class A), Add</i>	41.59	
<i>For Work In Restricted Working Space, Add</i>	27.12	
23 31 13 13-0330 LF 14" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.52	58.12
<i>For 3" WG (Class B), Add</i>	14.53	
<i>For 4" Or 6" WG (Class A), Add</i>	31.00	
<i>For 10" WG (Class A), Add</i>	44.56	
<i>For Work In Restricted Working Space, Add</i>	29.06	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-0331	LF 14" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	115.76	61.99
			For 3" WG (Class B), Add	15.50	
			For 4" Or 6" WG (Class A), Add	33.07	
			For 10" WG (Class A), Add	47.53	
			For Work In Restricted Working Space, Add	31.00	
23 31	13	13-0332	LF 14" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	123.00	65.87
			For 3" WG (Class B), Add	16.47	
			For 4" Or 6" WG (Class A), Add	35.13	
			For 10" WG (Class A), Add	50.50	
			For Work In Restricted Working Space, Add	32.94	
23 31	13	13-0333	LF 14" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	130.23	69.74
			For 3" WG (Class B), Add	17.44	
			For 4" Or 6" WG (Class A), Add	37.20	
			For 10" WG (Class A), Add	53.48	
			For Work In Restricted Working Space, Add	34.88	
23 31	13	13-0334	LF 14" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	137.47	73.62
			For 3" WG (Class B), Add	18.41	
			For 4" Or 6" WG (Class A), Add	39.27	
			For 10" WG (Class A), Add	56.45	
			For Work In Restricted Working Space, Add	36.81	
23 31	13	13-0335	LF 14" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.70	77.50
			For 3" WG (Class B), Add	19.37	
			For 4" Or 6" WG (Class A), Add	41.33	
			For 10" WG (Class A), Add	59.41	
			For Work In Restricted Working Space, Add	38.75	
23 31	13	13-0336	LF 14" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.93	81.38
			For 3" WG (Class B), Add	20.34	
			For 4" Or 6" WG (Class A), Add	43.40	
			For 10" WG (Class A), Add	62.39	
			For Work In Restricted Working Space, Add	40.69	
23 31	13	13-0337	LF 14" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.17	85.24
			For 3" WG (Class B), Add	21.31	
			For 4" Or 6" WG (Class A), Add	45.47	
			For 10" WG (Class A), Add	65.36	
			For Work In Restricted Working Space, Add	42.62	
23 31	13	13-0338	LF 14" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.40	89.12
			For 3" WG (Class B), Add	22.28	
			For 4" Or 6" WG (Class A), Add	47.53	
			For 10" WG (Class A), Add	68.32	
			For Work In Restricted Working Space, Add	44.56	
23 31	13	13-0339	LF 14" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	173.65	93.00
			For 3" WG (Class B), Add	23.25	
			For 4" Or 6" WG (Class A), Add	49.60	
			For 10" WG (Class A), Add	71.30	
			For Work In Restricted Working Space, Add	46.50	
23 31	13	13-0340	LF 14" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	180.87	96.87
			For 3" WG (Class B), Add	24.22	
			For 4" Or 6" WG (Class A), Add	51.66	
			For 10" WG (Class A), Add	74.27	
			For Work In Restricted Working Space, Add	48.44	
23 31	13	13-0341	LF 16" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	115.76	61.99
			For 3" WG (Class B), Add	15.50	
			For 4" Or 6" WG (Class A), Add	33.07	
			For 10" WG (Class A), Add	47.53	
			For Work In Restricted Working Space, Add	31.00	
23 31	13	13-0342	LF 16" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	123.00	65.87
			For 3" WG (Class B), Add	16.47	
			For 4" Or 6" WG (Class A), Add	35.13	
			For 10" WG (Class A), Add	50.50	
			For Work In Restricted Working Space, Add	32.94	
23 31	13	13-0343	LF 16" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	130.23	69.74
			For 3" WG (Class B), Add	17.44	
			For 4" Or 6" WG (Class A), Add	37.20	
			For 10" WG (Class A), Add	53.48	
			For Work In Restricted Working Space, Add	34.88	
23 31	13	13-0344	LF 16" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	137.47	73.62
			For 3" WG (Class B), Add	18.41	
			For 4" Or 6" WG (Class A), Add	39.27	
			For 10" WG (Class A), Add	56.45	
			For Work In Restricted Working Space, Add	36.81	
23 31	13	13-0345	LF 16" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.70	77.50
			For 3" WG (Class B), Add	19.37	
			For 4" Or 6" WG (Class A), Add	41.33	
			For 10" WG (Class A), Add	59.41	
			For Work In Restricted Working Space, Add	38.75	
23 31	13	13-0346	LF 16" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.93	81.38
			For 3" WG (Class B), Add	20.34	
			For 4" Or 6" WG (Class A), Add	43.40	
			For 10" WG (Class A), Add	62.39	
			For Work In Restricted Working Space, Add	40.69	
23 31	13	13-0347	LF 16" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.17	85.24
			For 3" WG (Class B), Add	21.31	
			For 4" Or 6" WG (Class A), Add	45.47	
			For 10" WG (Class A), Add	65.36	
			For Work In Restricted Working Space, Add	42.62	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0348 LF 16" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.40	89.12
<i>For 3" WG (Class B), Add</i>	22.28	
<i>For 4" Or 6" WG (Class A), Add</i>	47.53	
<i>For 10" WG (Class A), Add</i>	68.32	
<i>For Work In Restricted Working Space, Add</i>	44.56	
23 31 13 13-0349 LF 16" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	173.65	93.00
<i>For 3" WG (Class B), Add</i>	23.25	
<i>For 4" Or 6" WG (Class A), Add</i>	49.60	
<i>For 10" WG (Class A), Add</i>	71.30	
<i>For Work In Restricted Working Space, Add</i>	46.50	
23 31 13 13-0350 LF 16" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	180.87	96.87
<i>For 3" WG (Class B), Add</i>	24.22	
<i>For 4" Or 6" WG (Class A), Add</i>	51.66	
<i>For 10" WG (Class A), Add</i>	74.27	
<i>For Work In Restricted Working Space, Add</i>	48.44	
23 31 13 13-0351 LF 16" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	188.11	100.75
<i>For 3" WG (Class B), Add</i>	25.19	
<i>For 4" Or 6" WG (Class A), Add</i>	53.73	
<i>For 10" WG (Class A), Add</i>	77.24	
<i>For Work In Restricted Working Space, Add</i>	50.37	
23 31 13 13-0352 LF 16" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	195.35	104.63
<i>For 3" WG (Class B), Add</i>	26.16	
<i>For 4" Or 6" WG (Class A), Add</i>	55.80	
<i>For 10" WG (Class A), Add</i>	80.21	
<i>For Work In Restricted Working Space, Add</i>	52.31	
23 31 13 13-0353 LF 16" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.57	108.49
<i>For 3" WG (Class B), Add</i>	27.12	
<i>For 4" Or 6" WG (Class A), Add</i>	57.86	
<i>For 10" WG (Class A), Add</i>	83.18	
<i>For Work In Restricted Working Space, Add</i>	54.25	
23 31 13 13-0354 LF 16" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	209.81	112.37
<i>For 3" WG (Class B), Add</i>	28.09	
<i>For 4" Or 6" WG (Class A), Add</i>	59.93	
<i>For 10" WG (Class A), Add</i>	86.15	
<i>For Work In Restricted Working Space, Add</i>	56.18	
23 31 13 13-0355 LF 16" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	217.06	116.25
<i>For 3" WG (Class B), Add</i>	29.06	
<i>For 4" Or 6" WG (Class A), Add</i>	62.00	
<i>For 10" WG (Class A), Add</i>	89.13	
<i>For Work In Restricted Working Space, Add</i>	58.13	
23 31 13 13-0356 LF 18" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	130.23	69.74
<i>For 3" WG (Class B), Add</i>	17.44	
<i>For 4" Or 6" WG (Class A), Add</i>	37.20	
<i>For 10" WG (Class A), Add</i>	53.48	
<i>For Work In Restricted Working Space, Add</i>	34.88	
23 31 13 13-0357 LF 18" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	137.47	73.62
<i>For 3" WG (Class B), Add</i>	18.41	
<i>For 4" Or 6" WG (Class A), Add</i>	39.27	
<i>For 10" WG (Class A), Add</i>	56.45	
<i>For Work In Restricted Working Space, Add</i>	36.81	
23 31 13 13-0358 LF 18" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.70	77.50
<i>For 3" WG (Class B), Add</i>	19.37	
<i>For 4" Or 6" WG (Class A), Add</i>	41.33	
<i>For 10" WG (Class A), Add</i>	59.41	
<i>For Work In Restricted Working Space, Add</i>	38.75	
23 31 13 13-0359 LF 18" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.93	81.38
<i>For 3" WG (Class B), Add</i>	20.34	
<i>For 4" Or 6" WG (Class A), Add</i>	43.40	
<i>For 10" WG (Class A), Add</i>	62.39	
<i>For Work In Restricted Working Space, Add</i>	40.69	
23 31 13 13-0360 LF 18" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.17	85.24
<i>For 3" WG (Class B), Add</i>	21.31	
<i>For 4" Or 6" WG (Class A), Add</i>	45.47	
<i>For 10" WG (Class A), Add</i>	65.36	
<i>For Work In Restricted Working Space, Add</i>	42.62	
23 31 13 13-0361 LF 18" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.40	89.12
<i>For 3" WG (Class B), Add</i>	22.28	
<i>For 4" Or 6" WG (Class A), Add</i>	47.53	
<i>For 10" WG (Class A), Add</i>	68.32	
<i>For Work In Restricted Working Space, Add</i>	44.56	
23 31 13 13-0362 LF 18" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	173.65	93.00
<i>For 3" WG (Class B), Add</i>	23.25	
<i>For 4" Or 6" WG (Class A), Add</i>	49.60	
<i>For 10" WG (Class A), Add</i>	71.30	
<i>For Work In Restricted Working Space, Add</i>	46.50	
23 31 13 13-0363 LF 18" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	180.87	96.87
<i>For 3" WG (Class B), Add</i>	24.22	
<i>For 4" Or 6" WG (Class A), Add</i>	51.66	
<i>For 10" WG (Class A), Add</i>	74.27	
<i>For Work In Restricted Working Space, Add</i>	48.44	
23 31 13 13-0364 LF 18" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	188.11	100.75
<i>For 3" WG (Class B), Add</i>	25.19	
<i>For 4" Or 6" WG (Class A), Add</i>	53.73	
<i>For 10" WG (Class A), Add</i>	77.24	
<i>For Work In Restricted Working Space, Add</i>	50.37	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0365	LF	18" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	195.35	104.63
			<i>For 3" WG (Class B), Add</i>	26.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.80	
			<i>For 10" WG (Class A), Add</i>	80.21	
			<i>For Work In Restricted Working Space, Add</i>	52.31	
23 31	13 13-0366	LF	18" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.57	108.49
			<i>For 3" WG (Class B), Add</i>	27.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	57.86	
			<i>For 10" WG (Class A), Add</i>	83.18	
			<i>For Work In Restricted Working Space, Add</i>	54.25	
23 31	13 13-0367	LF	18" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	209.81	112.37
			<i>For 3" WG (Class B), Add</i>	28.09	
			<i>For 4" Or 6" WG (Class A), Add</i>	59.93	
			<i>For 10" WG (Class A), Add</i>	86.15	
			<i>For Work In Restricted Working Space, Add</i>	56.18	
23 31	13 13-0368	LF	18" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	217.06	116.25
			<i>For 3" WG (Class B), Add</i>	29.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	62.00	
			<i>For 10" WG (Class A), Add</i>	89.13	
			<i>For Work In Restricted Working Space, Add</i>	58.13	
23 31	13 13-0369	LF	18" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	224.28	120.12
			<i>For 3" WG (Class B), Add</i>	30.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	64.06	
			<i>For 10" WG (Class A), Add</i>	92.09	
			<i>For Work In Restricted Working Space, Add</i>	60.06	
23 31	13 13-0370	LF	18" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	231.52	124.00
			<i>For 3" WG (Class B), Add</i>	31.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	66.13	
			<i>For 10" WG (Class A), Add</i>	95.06	
			<i>For Work In Restricted Working Space, Add</i>	62.00	
23 31	13 13-0371	LF	20" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.70	77.50
			<i>For 3" WG (Class B), Add</i>	19.37	
			<i>For 4" Or 6" WG (Class A), Add</i>	41.33	
			<i>For 10" WG (Class A), Add</i>	59.41	
			<i>For Work In Restricted Working Space, Add</i>	38.75	
23 31	13 13-0372	LF	20" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.93	81.38
			<i>For 3" WG (Class B), Add</i>	20.34	
			<i>For 4" Or 6" WG (Class A), Add</i>	43.40	
			<i>For 10" WG (Class A), Add</i>	62.39	
			<i>For Work In Restricted Working Space, Add</i>	40.69	
23 31	13 13-0373	LF	20" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.17	85.24
			<i>For 3" WG (Class B), Add</i>	21.31	
			<i>For 4" Or 6" WG (Class A), Add</i>	45.47	
			<i>For 10" WG (Class A), Add</i>	65.36	
			<i>For Work In Restricted Working Space, Add</i>	42.62	
23 31	13 13-0374	LF	20" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.40	89.12
			<i>For 3" WG (Class B), Add</i>	22.28	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.53	
			<i>For 10" WG (Class A), Add</i>	68.32	
			<i>For Work In Restricted Working Space, Add</i>	44.56	
23 31	13 13-0375	LF	20" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	173.65	93.00
			<i>For 3" WG (Class B), Add</i>	23.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	49.60	
			<i>For 10" WG (Class A), Add</i>	71.30	
			<i>For Work In Restricted Working Space, Add</i>	46.50	
23 31	13 13-0376	LF	20" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	180.87	96.87
			<i>For 3" WG (Class B), Add</i>	24.22	
			<i>For 4" Or 6" WG (Class A), Add</i>	51.66	
			<i>For 10" WG (Class A), Add</i>	74.27	
			<i>For Work In Restricted Working Space, Add</i>	48.44	
23 31	13 13-0377	LF	20" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	188.11	100.75
			<i>For 3" WG (Class B), Add</i>	25.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	53.73	
			<i>For 10" WG (Class A), Add</i>	77.24	
			<i>For Work In Restricted Working Space, Add</i>	50.37	
23 31	13 13-0378	LF	20" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	195.35	104.63
			<i>For 3" WG (Class B), Add</i>	26.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.80	
			<i>For 10" WG (Class A), Add</i>	80.21	
			<i>For Work In Restricted Working Space, Add</i>	52.31	
23 31	13 13-0379	LF	20" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.57	108.49
			<i>For 3" WG (Class B), Add</i>	27.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	57.86	
			<i>For 10" WG (Class A), Add</i>	83.18	
			<i>For Work In Restricted Working Space, Add</i>	54.25	
23 31	13 13-0380	LF	20" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	209.81	112.37
			<i>For 3" WG (Class B), Add</i>	28.09	
			<i>For 4" Or 6" WG (Class A), Add</i>	59.93	
			<i>For 10" WG (Class A), Add</i>	86.15	
			<i>For Work In Restricted Working Space, Add</i>	56.18	
23 31	13 13-0381	LF	20" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	217.06	116.25
			<i>For 3" WG (Class B), Add</i>	29.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	62.00	
			<i>For 10" WG (Class A), Add</i>	89.13	
			<i>For Work In Restricted Working Space, Add</i>	58.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0382 LF 20" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	224.28	120.12
<i>For 3" WG (Class B), Add</i>	30.03	
<i>For 4" Or 6" WG (Class A), Add</i>	64.06	
<i>For 10" WG (Class A), Add</i>	92.09	
<i>For Work In Restricted Working Space, Add</i>	60.06	
23 31 13 13-0383 LF 20" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	231.52	124.00
<i>For 3" WG (Class B), Add</i>	31.00	
<i>For 4" Or 6" WG (Class A), Add</i>	66.13	
<i>For 10" WG (Class A), Add</i>	95.06	
<i>For Work In Restricted Working Space, Add</i>	62.00	
23 31 13 13-0384 LF 20" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	238.76	127.88
<i>For 3" WG (Class B), Add</i>	31.97	
<i>For 4" Or 6" WG (Class A), Add</i>	68.20	
<i>For 10" WG (Class A), Add</i>	98.04	
<i>For Work In Restricted Working Space, Add</i>	63.94	
23 31 13 13-0385 LF 20" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.99	131.75
<i>For 3" WG (Class B), Add</i>	32.94	
<i>For 4" Or 6" WG (Class A), Add</i>	70.27	
<i>For 10" WG (Class A), Add</i>	101.01	
<i>For Work In Restricted Working Space, Add</i>	65.87	
23 31 13 13-0386 LF 22" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.17	85.24
<i>For 3" WG (Class B), Add</i>	21.31	
<i>For 4" Or 6" WG (Class A), Add</i>	45.47	
<i>For 10" WG (Class A), Add</i>	65.36	
<i>For Work In Restricted Working Space, Add</i>	42.62	
23 31 13 13-0387 LF 22" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.40	89.12
<i>For 3" WG (Class B), Add</i>	22.28	
<i>For 4" Or 6" WG (Class A), Add</i>	47.53	
<i>For 10" WG (Class A), Add</i>	68.32	
<i>For Work In Restricted Working Space, Add</i>	44.56	
23 31 13 13-0388 LF 22" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	173.65	93.00
<i>For 3" WG (Class B), Add</i>	23.25	
<i>For 4" Or 6" WG (Class A), Add</i>	49.60	
<i>For 10" WG (Class A), Add</i>	71.30	
<i>For Work In Restricted Working Space, Add</i>	46.50	
23 31 13 13-0389 LF 22" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	180.87	96.87
<i>For 3" WG (Class B), Add</i>	24.22	
<i>For 4" Or 6" WG (Class A), Add</i>	51.66	
<i>For 10" WG (Class A), Add</i>	74.27	
<i>For Work In Restricted Working Space, Add</i>	48.44	
23 31 13 13-0390 LF 22" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	188.11	100.75
<i>For 3" WG (Class B), Add</i>	25.19	
<i>For 4" Or 6" WG (Class A), Add</i>	53.73	
<i>For 10" WG (Class A), Add</i>	77.24	
<i>For Work In Restricted Working Space, Add</i>	50.37	
23 31 13 13-0391 LF 22" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	195.35	104.63
<i>For 3" WG (Class B), Add</i>	26.16	
<i>For 4" Or 6" WG (Class A), Add</i>	55.80	
<i>For 10" WG (Class A), Add</i>	80.21	
<i>For Work In Restricted Working Space, Add</i>	52.31	
23 31 13 13-0392 LF 22" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.57	108.49
<i>For 3" WG (Class B), Add</i>	27.12	
<i>For 4" Or 6" WG (Class A), Add</i>	57.86	
<i>For 10" WG (Class A), Add</i>	83.18	
<i>For Work In Restricted Working Space, Add</i>	54.25	
23 31 13 13-0393 LF 22" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	209.81	112.37
<i>For 3" WG (Class B), Add</i>	28.09	
<i>For 4" Or 6" WG (Class A), Add</i>	59.93	
<i>For 10" WG (Class A), Add</i>	86.15	
<i>For Work In Restricted Working Space, Add</i>	56.18	
23 31 13 13-0394 LF 22" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	217.06	116.25
<i>For 3" WG (Class B), Add</i>	29.06	
<i>For 4" Or 6" WG (Class A), Add</i>	62.00	
<i>For 10" WG (Class A), Add</i>	89.13	
<i>For Work In Restricted Working Space, Add</i>	58.13	
23 31 13 13-0395 LF 22" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	224.28	120.12
<i>For 3" WG (Class B), Add</i>	30.03	
<i>For 4" Or 6" WG (Class A), Add</i>	64.06	
<i>For 10" WG (Class A), Add</i>	92.09	
<i>For Work In Restricted Working Space, Add</i>	60.06	
23 31 13 13-0396 LF 22" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	231.52	124.00
<i>For 3" WG (Class B), Add</i>	31.00	
<i>For 4" Or 6" WG (Class A), Add</i>	66.13	
<i>For 10" WG (Class A), Add</i>	95.06	
<i>For Work In Restricted Working Space, Add</i>	62.00	
23 31 13 13-0397 LF 22" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	238.76	127.88
<i>For 3" WG (Class B), Add</i>	31.97	
<i>For 4" Or 6" WG (Class A), Add</i>	68.20	
<i>For 10" WG (Class A), Add</i>	98.04	
<i>For Work In Restricted Working Space, Add</i>	63.94	
23 31 13 13-0398 LF 22" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.99	131.75
<i>For 3" WG (Class B), Add</i>	32.94	
<i>For 4" Or 6" WG (Class A), Add</i>	70.27	
<i>For 10" WG (Class A), Add</i>	101.01	
<i>For Work In Restricted Working Space, Add</i>	65.87	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0399	LF	22" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.22	135.62
			<i>For 3" WG (Class B), Add</i>	33.90	
			<i>For 4" Or 6" WG (Class A), Add</i>	72.33	
			<i>For 10" WG (Class A), Add</i>	103.97	
			<i>For Work In Restricted Working Space, Add</i>	67.81	
23 31	13 13-0400	LF	24" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	173.65	93.00
			<i>For 3" WG (Class B), Add</i>	23.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	49.60	
			<i>For 10" WG (Class A), Add</i>	71.30	
			<i>For Work In Restricted Working Space, Add</i>	46.50	
23 31	13 13-0401	LF	24" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	180.87	96.87
			<i>For 3" WG (Class B), Add</i>	24.22	
			<i>For 4" Or 6" WG (Class A), Add</i>	51.66	
			<i>For 10" WG (Class A), Add</i>	74.27	
			<i>For Work In Restricted Working Space, Add</i>	48.44	
23 31	13 13-0402	LF	24" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	188.11	100.75
			<i>For 3" WG (Class B), Add</i>	25.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	53.73	
			<i>For 10" WG (Class A), Add</i>	77.24	
			<i>For Work In Restricted Working Space, Add</i>	50.37	
23 31	13 13-0403	LF	24" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	195.35	104.63
			<i>For 3" WG (Class B), Add</i>	26.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.80	
			<i>For 10" WG (Class A), Add</i>	80.21	
			<i>For Work In Restricted Working Space, Add</i>	52.31	
23 31	13 13-0404	LF	24" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.57	108.49
			<i>For 3" WG (Class B), Add</i>	27.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	57.86	
			<i>For 10" WG (Class A), Add</i>	83.18	
			<i>For Work In Restricted Working Space, Add</i>	54.25	
23 31	13 13-0405	LF	24" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	209.81	112.37
			<i>For 3" WG (Class B), Add</i>	28.09	
			<i>For 4" Or 6" WG (Class A), Add</i>	59.93	
			<i>For 10" WG (Class A), Add</i>	86.15	
			<i>For Work In Restricted Working Space, Add</i>	56.18	
23 31	13 13-0406	LF	24" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	217.06	116.25
			<i>For 3" WG (Class B), Add</i>	29.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	62.00	
			<i>For 10" WG (Class A), Add</i>	89.13	
			<i>For Work In Restricted Working Space, Add</i>	58.13	
23 31	13 13-0407	LF	24" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	224.28	120.12
			<i>For 3" WG (Class B), Add</i>	30.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	64.06	
			<i>For 10" WG (Class A), Add</i>	92.09	
			<i>For Work In Restricted Working Space, Add</i>	60.06	
23 31	13 13-0408	LF	24" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	231.52	124.00
			<i>For 3" WG (Class B), Add</i>	31.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	66.13	
			<i>For 10" WG (Class A), Add</i>	95.06	
			<i>For Work In Restricted Working Space, Add</i>	62.00	
23 31	13 13-0409	LF	24" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	238.76	127.88
			<i>For 3" WG (Class B), Add</i>	31.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.20	
			<i>For 10" WG (Class A), Add</i>	98.04	
			<i>For Work In Restricted Working Space, Add</i>	63.94	
23 31	13 13-0410	LF	24" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.99	131.75
			<i>For 3" WG (Class B), Add</i>	32.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	70.27	
			<i>For 10" WG (Class A), Add</i>	101.01	
			<i>For Work In Restricted Working Space, Add</i>	65.87	
23 31	13 13-0411	LF	24" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.22	135.62
			<i>For 3" WG (Class B), Add</i>	33.90	
			<i>For 4" Or 6" WG (Class A), Add</i>	72.33	
			<i>For 10" WG (Class A), Add</i>	103.97	
			<i>For Work In Restricted Working Space, Add</i>	67.81	
23 31	13 13-0412	LF	24" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	260.46	139.50
			<i>For 3" WG (Class B), Add</i>	34.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	74.40	
			<i>For 10" WG (Class A), Add</i>	106.95	
			<i>For Work In Restricted Working Space, Add</i>	69.75	
23 31	13 13-0413	LF	26" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	188.11	100.75
			<i>For 3" WG (Class B), Add</i>	25.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	53.73	
			<i>For 10" WG (Class A), Add</i>	77.24	
			<i>For Work In Restricted Working Space, Add</i>	50.37	
23 31	13 13-0414	LF	26" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	195.35	104.63
			<i>For 3" WG (Class B), Add</i>	26.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.80	
			<i>For 10" WG (Class A), Add</i>	80.21	
			<i>For Work In Restricted Working Space, Add</i>	52.31	
23 31	13 13-0415	LF	26" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.57	108.49
			<i>For 3" WG (Class B), Add</i>	27.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	57.86	
			<i>For 10" WG (Class A), Add</i>	83.18	
			<i>For Work In Restricted Working Space, Add</i>	54.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0416 LF 26" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	209.81	112.37
<i>For 3" WG (Class B), Add</i>	28.09	
<i>For 4" Or 6" WG (Class A), Add</i>	59.93	
<i>For 10" WG (Class A), Add</i>	86.15	
<i>For Work In Restricted Working Space, Add</i>	56.18	
23 31 13 13-0417 LF 26" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	217.06	116.25
<i>For 3" WG (Class B), Add</i>	29.06	
<i>For 4" Or 6" WG (Class A), Add</i>	62.00	
<i>For 10" WG (Class A), Add</i>	89.13	
<i>For Work In Restricted Working Space, Add</i>	58.13	
23 31 13 13-0418 LF 26" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	224.28	120.12
<i>For 3" WG (Class B), Add</i>	30.03	
<i>For 4" Or 6" WG (Class A), Add</i>	64.06	
<i>For 10" WG (Class A), Add</i>	92.09	
<i>For Work In Restricted Working Space, Add</i>	60.06	
23 31 13 13-0419 LF 26" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	231.52	124.00
<i>For 3" WG (Class B), Add</i>	31.00	
<i>For 4" Or 6" WG (Class A), Add</i>	66.13	
<i>For 10" WG (Class A), Add</i>	95.06	
<i>For Work In Restricted Working Space, Add</i>	62.00	
23 31 13 13-0420 LF 26" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	238.76	127.88
<i>For 3" WG (Class B), Add</i>	31.97	
<i>For 4" Or 6" WG (Class A), Add</i>	68.20	
<i>For 10" WG (Class A), Add</i>	98.04	
<i>For Work In Restricted Working Space, Add</i>	63.94	
23 31 13 13-0421 LF 26" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.99	131.75
<i>For 3" WG (Class B), Add</i>	32.94	
<i>For 4" Or 6" WG (Class A), Add</i>	70.27	
<i>For 10" WG (Class A), Add</i>	101.01	
<i>For Work In Restricted Working Space, Add</i>	65.87	
23 31 13 13-0422 LF 26" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.22	135.62
<i>For 3" WG (Class B), Add</i>	33.90	
<i>For 4" Or 6" WG (Class A), Add</i>	72.33	
<i>For 10" WG (Class A), Add</i>	103.97	
<i>For Work In Restricted Working Space, Add</i>	67.81	
23 31 13 13-0423 LF 26" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	260.46	139.50
<i>For 3" WG (Class B), Add</i>	34.87	
<i>For 4" Or 6" WG (Class A), Add</i>	74.40	
<i>For 10" WG (Class A), Add</i>	106.95	
<i>For Work In Restricted Working Space, Add</i>	69.75	
23 31 13 13-0424 LF 26" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	267.70	143.38
<i>For 3" WG (Class B), Add</i>	35.84	
<i>For 4" Or 6" WG (Class A), Add</i>	76.47	
<i>For 10" WG (Class A), Add</i>	109.92	
<i>For Work In Restricted Working Space, Add</i>	71.69	
23 31 13 13-0425 LF 28" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.57	108.49
<i>For 3" WG (Class B), Add</i>	27.12	
<i>For 4" Or 6" WG (Class A), Add</i>	57.86	
<i>For 10" WG (Class A), Add</i>	83.18	
<i>For Work In Restricted Working Space, Add</i>	54.25	
23 31 13 13-0426 LF 28" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	209.81	112.37
<i>For 3" WG (Class B), Add</i>	28.09	
<i>For 4" Or 6" WG (Class A), Add</i>	59.93	
<i>For 10" WG (Class A), Add</i>	86.15	
<i>For Work In Restricted Working Space, Add</i>	56.18	
23 31 13 13-0427 LF 28" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	217.06	116.25
<i>For 3" WG (Class B), Add</i>	29.06	
<i>For 4" Or 6" WG (Class A), Add</i>	62.00	
<i>For 10" WG (Class A), Add</i>	89.13	
<i>For Work In Restricted Working Space, Add</i>	58.13	
23 31 13 13-0428 LF 28" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	224.28	120.12
<i>For 3" WG (Class B), Add</i>	30.03	
<i>For 4" Or 6" WG (Class A), Add</i>	64.06	
<i>For 10" WG (Class A), Add</i>	92.09	
<i>For Work In Restricted Working Space, Add</i>	60.06	
23 31 13 13-0429 LF 28" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	231.52	124.00
<i>For 3" WG (Class B), Add</i>	31.00	
<i>For 4" Or 6" WG (Class A), Add</i>	66.13	
<i>For 10" WG (Class A), Add</i>	95.06	
<i>For Work In Restricted Working Space, Add</i>	62.00	
23 31 13 13-0430 LF 28" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	238.76	127.88
<i>For 3" WG (Class B), Add</i>	31.97	
<i>For 4" Or 6" WG (Class A), Add</i>	68.20	
<i>For 10" WG (Class A), Add</i>	98.04	
<i>For Work In Restricted Working Space, Add</i>	63.94	
23 31 13 13-0431 LF 28" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.99	131.75
<i>For 3" WG (Class B), Add</i>	32.94	
<i>For 4" Or 6" WG (Class A), Add</i>	70.27	
<i>For 10" WG (Class A), Add</i>	101.01	
<i>For Work In Restricted Working Space, Add</i>	65.87	
23 31 13 13-0432 LF 28" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.22	135.62
<i>For 3" WG (Class B), Add</i>	33.90	
<i>For 4" Or 6" WG (Class A), Add</i>	72.33	
<i>For 10" WG (Class A), Add</i>	103.97	
<i>For Work In Restricted Working Space, Add</i>	67.81	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0433	LF	28" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	260.46	139.50
			<i>For 3" WG (Class B), Add</i>	34.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	74.40	
			<i>For 10" WG (Class A), Add</i>	106.95	
			<i>For Work In Restricted Working Space, Add</i>	69.75	
23 31	13 13-0434	LF	28" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	267.70	143.38
			<i>For 3" WG (Class B), Add</i>	35.84	
			<i>For 4" Or 6" WG (Class A), Add</i>	76.47	
			<i>For 10" WG (Class A), Add</i>	109.92	
			<i>For Work In Restricted Working Space, Add</i>	71.69	
23 31	13 13-0435	LF	28" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	274.94	147.25
			<i>For 3" WG (Class B), Add</i>	36.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	78.53	
			<i>For 10" WG (Class A), Add</i>	112.89	
			<i>For Work In Restricted Working Space, Add</i>	73.63	
23 31	13 13-0436	LF	30" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	217.06	116.25
			<i>For 3" WG (Class B), Add</i>	29.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	62.00	
			<i>For 10" WG (Class A), Add</i>	89.13	
			<i>For Work In Restricted Working Space, Add</i>	58.13	
23 31	13 13-0437	LF	30" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	224.28	120.12
			<i>For 3" WG (Class B), Add</i>	30.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	64.06	
			<i>For 10" WG (Class A), Add</i>	92.09	
			<i>For Work In Restricted Working Space, Add</i>	60.06	
23 31	13 13-0438	LF	30" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	231.52	124.00
			<i>For 3" WG (Class B), Add</i>	31.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	66.13	
			<i>For 10" WG (Class A), Add</i>	95.06	
			<i>For Work In Restricted Working Space, Add</i>	62.00	
23 31	13 13-0439	LF	30" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	238.76	127.88
			<i>For 3" WG (Class B), Add</i>	31.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.20	
			<i>For 10" WG (Class A), Add</i>	98.04	
			<i>For Work In Restricted Working Space, Add</i>	63.94	
23 31	13 13-0440	LF	30" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.99	131.75
			<i>For 3" WG (Class B), Add</i>	32.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	70.27	
			<i>For 10" WG (Class A), Add</i>	101.01	
			<i>For Work In Restricted Working Space, Add</i>	65.87	
23 31	13 13-0441	LF	30" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.22	135.62
			<i>For 3" WG (Class B), Add</i>	33.90	
			<i>For 4" Or 6" WG (Class A), Add</i>	72.33	
			<i>For 10" WG (Class A), Add</i>	103.97	
			<i>For Work In Restricted Working Space, Add</i>	67.81	
23 31	13 13-0442	LF	30" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	260.46	139.50
			<i>For 3" WG (Class B), Add</i>	34.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	74.40	
			<i>For 10" WG (Class A), Add</i>	106.95	
			<i>For Work In Restricted Working Space, Add</i>	69.75	
23 31	13 13-0443	LF	30" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	267.70	143.38
			<i>For 3" WG (Class B), Add</i>	35.84	
			<i>For 4" Or 6" WG (Class A), Add</i>	76.47	
			<i>For 10" WG (Class A), Add</i>	109.92	
			<i>For Work In Restricted Working Space, Add</i>	71.69	
23 31	13 13-0444	LF	30" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	274.94	147.25
			<i>For 3" WG (Class B), Add</i>	36.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	78.53	
			<i>For 10" WG (Class A), Add</i>	112.89	
			<i>For Work In Restricted Working Space, Add</i>	73.63	
23 31	13 13-0445	LF	30" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	282.17	151.13
			<i>For 3" WG (Class B), Add</i>	37.78	
			<i>For 4" Or 6" WG (Class A), Add</i>	80.60	
			<i>For 10" WG (Class A), Add</i>	115.86	
			<i>For Work In Restricted Working Space, Add</i>	75.56	
23 31	13 13-0446	LF	32" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	231.52	124.00
			<i>For 3" WG (Class B), Add</i>	31.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	66.13	
			<i>For 10" WG (Class A), Add</i>	95.06	
			<i>For Work In Restricted Working Space, Add</i>	62.00	
23 31	13 13-0447	LF	32" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	238.76	127.88
			<i>For 3" WG (Class B), Add</i>	31.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.20	
			<i>For 10" WG (Class A), Add</i>	98.04	
			<i>For Work In Restricted Working Space, Add</i>	63.94	
23 31	13 13-0448	LF	30" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.99	131.75
			<i>For 3" WG (Class B), Add</i>	32.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	70.27	
			<i>For 10" WG (Class A), Add</i>	101.01	
			<i>For Work In Restricted Working Space, Add</i>	65.87	
23 31	13 13-0449	LF	32" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.22	135.62
			<i>For 3" WG (Class B), Add</i>	33.90	
			<i>For 4" Or 6" WG (Class A), Add</i>	72.33	
			<i>For 10" WG (Class A), Add</i>	103.97	
			<i>For Work In Restricted Working Space, Add</i>	67.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0450 LF 32" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	260.46	139.50
<i>For 3" WG (Class B), Add</i>	34.87	
<i>For 4" Or 6" WG (Class A), Add</i>	74.40	
<i>For 10" WG (Class A), Add</i>	106.95	
<i>For Work In Restricted Working Space, Add</i>	69.75	
23 31 13 13-0451 LF 32" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	267.70	143.38
<i>For 3" WG (Class B), Add</i>	35.84	
<i>For 4" Or 6" WG (Class A), Add</i>	76.47	
<i>For 10" WG (Class A), Add</i>	109.92	
<i>For Work In Restricted Working Space, Add</i>	71.69	
23 31 13 13-0452 LF 32" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	274.94	147.25
<i>For 3" WG (Class B), Add</i>	36.81	
<i>For 4" Or 6" WG (Class A), Add</i>	78.53	
<i>For 10" WG (Class A), Add</i>	112.89	
<i>For Work In Restricted Working Space, Add</i>	73.63	
23 31 13 13-0453 LF 32" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	282.17	151.13
<i>For 3" WG (Class B), Add</i>	37.78	
<i>For 4" Or 6" WG (Class A), Add</i>	80.60	
<i>For 10" WG (Class A), Add</i>	115.86	
<i>For Work In Restricted Working Space, Add</i>	75.56	
23 31 13 13-0454 LF 32" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	289.41	155.00
<i>For 3" WG (Class B), Add</i>	38.75	
<i>For 4" Or 6" WG (Class A), Add</i>	82.67	
<i>For 10" WG (Class A), Add</i>	118.83	
<i>For Work In Restricted Working Space, Add</i>	77.50	
23 31 13 13-0455 LF 34" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.99	131.75
<i>For 3" WG (Class B), Add</i>	32.94	
<i>For 4" Or 6" WG (Class A), Add</i>	70.27	
<i>For 10" WG (Class A), Add</i>	101.01	
<i>For Work In Restricted Working Space, Add</i>	65.87	
23 31 13 13-0456 LF 34" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.22	135.62
<i>For 3" WG (Class B), Add</i>	33.90	
<i>For 4" Or 6" WG (Class A), Add</i>	72.33	
<i>For 10" WG (Class A), Add</i>	103.97	
<i>For Work In Restricted Working Space, Add</i>	67.81	
23 31 13 13-0457 LF 34" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	260.46	139.50
<i>For 3" WG (Class B), Add</i>	34.87	
<i>For 4" Or 6" WG (Class A), Add</i>	74.40	
<i>For 10" WG (Class A), Add</i>	106.95	
<i>For Work In Restricted Working Space, Add</i>	69.75	
23 31 13 13-0458 LF 34" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	267.70	143.38
<i>For 3" WG (Class B), Add</i>	35.84	
<i>For 4" Or 6" WG (Class A), Add</i>	76.47	
<i>For 10" WG (Class A), Add</i>	109.92	
<i>For Work In Restricted Working Space, Add</i>	71.69	
23 31 13 13-0459 LF 34" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	274.94	147.25
<i>For 3" WG (Class B), Add</i>	36.81	
<i>For 4" Or 6" WG (Class A), Add</i>	78.53	
<i>For 10" WG (Class A), Add</i>	112.89	
<i>For Work In Restricted Working Space, Add</i>	73.63	
23 31 13 13-0460 LF 34" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	282.17	151.13
<i>For 3" WG (Class B), Add</i>	37.78	
<i>For 4" Or 6" WG (Class A), Add</i>	80.60	
<i>For 10" WG (Class A), Add</i>	115.86	
<i>For Work In Restricted Working Space, Add</i>	75.56	
23 31 13 13-0461 LF 34" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	289.41	155.00
<i>For 3" WG (Class B), Add</i>	38.75	
<i>For 4" Or 6" WG (Class A), Add</i>	82.67	
<i>For 10" WG (Class A), Add</i>	118.83	
<i>For Work In Restricted Working Space, Add</i>	77.50	
23 31 13 13-0462 LF 34" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	296.63	158.86
<i>For 3" WG (Class B), Add</i>	39.72	
<i>For 4" Or 6" WG (Class A), Add</i>	84.73	
<i>For 10" WG (Class A), Add</i>	121.80	
<i>For Work In Restricted Working Space, Add</i>	79.43	
23 31 13 13-0463 LF 36" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	260.46	139.50
<i>For 3" WG (Class B), Add</i>	34.87	
<i>For 4" Or 6" WG (Class A), Add</i>	74.40	
<i>For 10" WG (Class A), Add</i>	106.95	
<i>For Work In Restricted Working Space, Add</i>	69.75	
23 31 13 13-0464 LF 36" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	267.70	143.38
<i>For 3" WG (Class B), Add</i>	35.84	
<i>For 4" Or 6" WG (Class A), Add</i>	76.47	
<i>For 10" WG (Class A), Add</i>	109.92	
<i>For Work In Restricted Working Space, Add</i>	71.69	
23 31 13 13-0465 LF 36" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	274.94	147.25
<i>For 3" WG (Class B), Add</i>	36.81	
<i>For 4" Or 6" WG (Class A), Add</i>	78.53	
<i>For 10" WG (Class A), Add</i>	112.89	
<i>For Work In Restricted Working Space, Add</i>	73.63	
23 31 13 13-0466 LF 36" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	282.17	151.13
<i>For 3" WG (Class B), Add</i>	37.78	
<i>For 4" Or 6" WG (Class A), Add</i>	80.60	
<i>For 10" WG (Class A), Add</i>	115.86	
<i>For Work In Restricted Working Space, Add</i>	75.56	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0467	LF	36" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	289.41	155.00
			<i>For 3" WG (Class B), Add</i>	38.75	
			<i>For 4" Or 6" WG (Class A), Add</i>	82.67	
			<i>For 10" WG (Class A), Add</i>	118.83	
			<i>For Work In Restricted Working Space, Add</i>	77.50	
23 31	13 13-0468	LF	36" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	296.63	158.86
			<i>For 3" WG (Class B), Add</i>	39.72	
			<i>For 4" Or 6" WG (Class A), Add</i>	84.73	
			<i>For 10" WG (Class A), Add</i>	121.80	
			<i>For Work In Restricted Working Space, Add</i>	79.43	
23 31	13 13-0469	LF	36" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	303.86	162.74
			<i>For 3" WG (Class B), Add</i>	40.68	
			<i>For 4" Or 6" WG (Class A), Add</i>	86.79	
			<i>For 10" WG (Class A), Add</i>	124.77	
			<i>For Work In Restricted Working Space, Add</i>	81.37	
23 31	13 13-0470	LF	38" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	274.94	147.25
			<i>For 3" WG (Class B), Add</i>	36.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	78.53	
			<i>For 10" WG (Class A), Add</i>	112.89	
			<i>For Work In Restricted Working Space, Add</i>	73.63	
23 31	13 13-0471	LF	38" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	282.17	151.13
			<i>For 3" WG (Class B), Add</i>	37.78	
			<i>For 4" Or 6" WG (Class A), Add</i>	80.60	
			<i>For 10" WG (Class A), Add</i>	115.86	
			<i>For Work In Restricted Working Space, Add</i>	75.56	
23 31	13 13-0472	LF	38" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	289.41	155.00
			<i>For 3" WG (Class B), Add</i>	38.75	
			<i>For 4" Or 6" WG (Class A), Add</i>	82.67	
			<i>For 10" WG (Class A), Add</i>	118.83	
			<i>For Work In Restricted Working Space, Add</i>	77.50	
23 31	13 13-0473	LF	38" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	296.63	158.86
			<i>For 3" WG (Class B), Add</i>	39.72	
			<i>For 4" Or 6" WG (Class A), Add</i>	84.73	
			<i>For 10" WG (Class A), Add</i>	121.80	
			<i>For Work In Restricted Working Space, Add</i>	79.43	
23 31	13 13-0474	LF	38" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	303.86	162.74
			<i>For 3" WG (Class B), Add</i>	40.68	
			<i>For 4" Or 6" WG (Class A), Add</i>	86.79	
			<i>For 10" WG (Class A), Add</i>	124.77	
			<i>For Work In Restricted Working Space, Add</i>	81.37	
23 31	13 13-0475	LF	38" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	311.11	166.62
			<i>For 3" WG (Class B), Add</i>	41.66	
			<i>For 4" Or 6" WG (Class A), Add</i>	88.86	
			<i>For 10" WG (Class A), Add</i>	127.74	
			<i>For Work In Restricted Working Space, Add</i>	83.31	
23 31	13 13-0476	LF	38" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	318.34	170.49
			<i>For 3" WG (Class B), Add</i>	42.62	
			<i>For 4" Or 6" WG (Class A), Add</i>	90.93	
			<i>For 10" WG (Class A), Add</i>	130.71	
			<i>For Work In Restricted Working Space, Add</i>	85.25	
23 31	13 13-0477	LF	40" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	289.41	155.00
			<i>For 3" WG (Class B), Add</i>	38.75	
			<i>For 4" Or 6" WG (Class A), Add</i>	82.67	
			<i>For 10" WG (Class A), Add</i>	118.83	
			<i>For Work In Restricted Working Space, Add</i>	77.50	
23 31	13 13-0478	LF	40" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	296.63	158.86
			<i>For 3" WG (Class B), Add</i>	39.72	
			<i>For 4" Or 6" WG (Class A), Add</i>	84.73	
			<i>For 10" WG (Class A), Add</i>	121.80	
			<i>For Work In Restricted Working Space, Add</i>	79.43	
23 31	13 13-0479	LF	40" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	303.86	162.74
			<i>For 3" WG (Class B), Add</i>	40.68	
			<i>For 4" Or 6" WG (Class A), Add</i>	86.79	
			<i>For 10" WG (Class A), Add</i>	124.77	
			<i>For Work In Restricted Working Space, Add</i>	81.37	
23 31	13 13-0480	LF	40" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	311.11	166.62
			<i>For 3" WG (Class B), Add</i>	41.66	
			<i>For 4" Or 6" WG (Class A), Add</i>	88.86	
			<i>For 10" WG (Class A), Add</i>	127.74	
			<i>For Work In Restricted Working Space, Add</i>	83.31	
23 31	13 13-0481	LF	40" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	318.34	170.49
			<i>For 3" WG (Class B), Add</i>	42.62	
			<i>For 4" Or 6" WG (Class A), Add</i>	90.93	
			<i>For 10" WG (Class A), Add</i>	130.71	
			<i>For Work In Restricted Working Space, Add</i>	85.25	
23 31	13 13-0482	LF	40" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	325.58	174.37
			<i>For 3" WG (Class B), Add</i>	43.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	93.00	
			<i>For 10" WG (Class A), Add</i>	133.69	
			<i>For Work In Restricted Working Space, Add</i>	87.19	
23 31	13 13-0483	LF	40" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.81	178.24
			<i>For 3" WG (Class B), Add</i>	44.56	
			<i>For 4" Or 6" WG (Class A), Add</i>	95.06	
			<i>For 10" WG (Class A), Add</i>	136.65	
			<i>For Work In Restricted Working Space, Add</i>	89.12	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0484 LF 40" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	340.04	182.11
<i>For 3" WG (Class B), Add</i>	45.53	
<i>For 4" Or 6" WG (Class A), Add</i>	97.13	
<i>For 10" WG (Class A), Add</i>	139.62	
<i>For Work In Restricted Working Space, Add</i>	91.06	
23 31 13 13-0485 LF 42" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	303.86	162.74
<i>For 3" WG (Class B), Add</i>	40.68	
<i>For 4" Or 6" WG (Class A), Add</i>	86.79	
<i>For 10" WG (Class A), Add</i>	124.77	
<i>For Work In Restricted Working Space, Add</i>	81.37	
23 31 13 13-0486 LF 42" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	311.11	166.62
<i>For 3" WG (Class B), Add</i>	41.66	
<i>For 4" Or 6" WG (Class A), Add</i>	88.86	
<i>For 10" WG (Class A), Add</i>	127.74	
<i>For Work In Restricted Working Space, Add</i>	83.31	
23 31 13 13-0487 LF 42" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	318.34	170.49
<i>For 3" WG (Class B), Add</i>	42.62	
<i>For 4" Or 6" WG (Class A), Add</i>	90.93	
<i>For 10" WG (Class A), Add</i>	130.71	
<i>For Work In Restricted Working Space, Add</i>	85.25	
23 31 13 13-0488 LF 42" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	325.58	174.37
<i>For 3" WG (Class B), Add</i>	43.59	
<i>For 4" Or 6" WG (Class A), Add</i>	93.00	
<i>For 10" WG (Class A), Add</i>	133.69	
<i>For Work In Restricted Working Space, Add</i>	87.19	
23 31 13 13-0489 LF 42" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.81	178.24
<i>For 3" WG (Class B), Add</i>	44.56	
<i>For 4" Or 6" WG (Class A), Add</i>	95.06	
<i>For 10" WG (Class A), Add</i>	136.65	
<i>For Work In Restricted Working Space, Add</i>	89.12	
23 31 13 13-0490 LF 42" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	340.04	182.11
<i>For 3" WG (Class B), Add</i>	45.53	
<i>For 4" Or 6" WG (Class A), Add</i>	97.13	
<i>For 10" WG (Class A), Add</i>	139.62	
<i>For Work In Restricted Working Space, Add</i>	91.06	
23 31 13 13-0491 LF 42" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	347.28	185.99
<i>For 3" WG (Class B), Add</i>	46.50	
<i>For 4" Or 6" WG (Class A), Add</i>	99.20	
<i>For 10" WG (Class A), Add</i>	142.60	
<i>For Work In Restricted Working Space, Add</i>	93.00	
23 31 13 13-0492 LF 44" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	318.34	170.49
<i>For 3" WG (Class B), Add</i>	42.62	
<i>For 4" Or 6" WG (Class A), Add</i>	90.93	
<i>For 10" WG (Class A), Add</i>	130.71	
<i>For Work In Restricted Working Space, Add</i>	85.25	
23 31 13 13-0493 LF 44" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	325.58	174.37
<i>For 3" WG (Class B), Add</i>	43.59	
<i>For 4" Or 6" WG (Class A), Add</i>	93.00	
<i>For 10" WG (Class A), Add</i>	133.69	
<i>For Work In Restricted Working Space, Add</i>	87.19	
23 31 13 13-0494 LF 44" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.81	178.24
<i>For 3" WG (Class B), Add</i>	44.56	
<i>For 4" Or 6" WG (Class A), Add</i>	95.06	
<i>For 10" WG (Class A), Add</i>	136.65	
<i>For Work In Restricted Working Space, Add</i>	89.12	
23 31 13 13-0495 LF 44" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	340.04	182.11
<i>For 3" WG (Class B), Add</i>	45.53	
<i>For 4" Or 6" WG (Class A), Add</i>	97.13	
<i>For 10" WG (Class A), Add</i>	139.62	
<i>For Work In Restricted Working Space, Add</i>	91.06	
23 31 13 13-0496 LF 44" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	347.28	185.99
<i>For 3" WG (Class B), Add</i>	46.50	
<i>For 4" Or 6" WG (Class A), Add</i>	99.20	
<i>For 10" WG (Class A), Add</i>	142.60	
<i>For Work In Restricted Working Space, Add</i>	93.00	
23 31 13 13-0497 LF 44" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	354.51	189.87
<i>For 3" WG (Class B), Add</i>	47.47	
<i>For 4" Or 6" WG (Class A), Add</i>	101.26	
<i>For 10" WG (Class A), Add</i>	145.56	
<i>For Work In Restricted Working Space, Add</i>	94.93	
23 31 13 13-0498 LF 46" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.81	178.24
<i>For 3" WG (Class B), Add</i>	44.56	
<i>For 4" Or 6" WG (Class A), Add</i>	95.06	
<i>For 10" WG (Class A), Add</i>	136.65	
<i>For Work In Restricted Working Space, Add</i>	89.12	
23 31 13 13-0499 LF 46" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	340.04	182.11
<i>For 3" WG (Class B), Add</i>	45.53	
<i>For 4" Or 6" WG (Class A), Add</i>	97.13	
<i>For 10" WG (Class A), Add</i>	139.62	
<i>For Work In Restricted Working Space, Add</i>	91.06	
23 31 13 13-0500 LF 46" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	347.28	185.99
<i>For 3" WG (Class B), Add</i>	46.50	
<i>For 4" Or 6" WG (Class A), Add</i>	99.20	
<i>For 10" WG (Class A), Add</i>	142.60	
<i>For Work In Restricted Working Space, Add</i>	93.00	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0501	LF		46" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	354.51	189.87
			<i>For 3" WG (Class B), Add</i>	47.47	
			<i>For 4" Or 6" WG (Class A), Add</i>	101.26	
			<i>For 10" WG (Class A), Add</i>	145.56	
			<i>For Work In Restricted Working Space, Add</i>	94.93	
23 31 13 13-0502	LF		46" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	361.75	193.75
			<i>For 3" WG (Class B), Add</i>	48.44	
			<i>For 4" Or 6" WG (Class A), Add</i>	103.33	
			<i>For 10" WG (Class A), Add</i>	148.54	
			<i>For Work In Restricted Working Space, Add</i>	96.87	
23 31 13 13-0503	LF		48" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	347.28	185.99
			<i>For 3" WG (Class B), Add</i>	46.50	
			<i>For 4" Or 6" WG (Class A), Add</i>	99.20	
			<i>For 10" WG (Class A), Add</i>	142.60	
			<i>For Work In Restricted Working Space, Add</i>	93.00	
23 31 13 13-0504	LF		48" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	354.51	189.87
			<i>For 3" WG (Class B), Add</i>	47.47	
			<i>For 4" Or 6" WG (Class A), Add</i>	101.26	
			<i>For 10" WG (Class A), Add</i>	145.56	
			<i>For Work In Restricted Working Space, Add</i>	94.93	
23 31 13 13-0505	LF		48" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	361.75	193.75
			<i>For 3" WG (Class B), Add</i>	48.44	
			<i>For 4" Or 6" WG (Class A), Add</i>	103.33	
			<i>For 10" WG (Class A), Add</i>	148.54	
			<i>For Work In Restricted Working Space, Add</i>	96.87	
23 31 13 13-0506	LF		48" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	368.99	197.62
			<i>For 3" WG (Class B), Add</i>	49.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	105.40	
			<i>For 10" WG (Class A), Add</i>	151.51	
			<i>For Work In Restricted Working Space, Add</i>	98.81	
23 31 13 13-0507	LF		50" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	361.75	193.75
			<i>For 3" WG (Class B), Add</i>	48.44	
			<i>For 4" Or 6" WG (Class A), Add</i>	103.33	
			<i>For 10" WG (Class A), Add</i>	148.54	
			<i>For Work In Restricted Working Space, Add</i>	96.87	
23 31 13 13-0508	LF		50" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	368.99	197.62
			<i>For 3" WG (Class B), Add</i>	49.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	105.40	
			<i>For 10" WG (Class A), Add</i>	151.51	
			<i>For Work In Restricted Working Space, Add</i>	98.81	
23 31 13 13-0509	LF		50" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	376.23	201.49
			<i>For 3" WG (Class B), Add</i>	50.37	
			<i>For 4" Or 6" WG (Class A), Add</i>	107.47	
			<i>For 10" WG (Class A), Add</i>	154.48	
			<i>For Work In Restricted Working Space, Add</i>	100.75	
23 31 13 13-0510	LF		52" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	376.23	201.49
			<i>For 3" WG (Class B), Add</i>	50.37	
			<i>For 4" Or 6" WG (Class A), Add</i>	107.47	
			<i>For 10" WG (Class A), Add</i>	154.48	
			<i>For Work In Restricted Working Space, Add</i>	100.75	
23 31 13 13-0511	LF		52" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	383.46	205.37
			<i>For 3" WG (Class B), Add</i>	51.34	
			<i>For 4" Or 6" WG (Class A), Add</i>	109.53	
			<i>For 10" WG (Class A), Add</i>	157.45	
			<i>For Work In Restricted Working Space, Add</i>	102.68	
23 31 13 13-0512	LF		54" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	390.69	209.24
			<i>For 3" WG (Class B), Add</i>	52.31	
			<i>For 4" Or 6" WG (Class A), Add</i>	111.60	
			<i>For 10" WG (Class A), Add</i>	160.42	
			<i>For Work In Restricted Working Space, Add</i>	104.62	
<b>23 31 13 13-0513</b>			<b>20 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>		
23 31 13 13-0514	LF		4" x 4", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.08	18.25
			<i>For 3" WG (Class B), Add</i>	4.56	
			<i>For 4" Or 6" WG (Class A), Add</i>	9.74	
			<i>For 10" WG (Class A), Add</i>	14.00	
			<i>For Work In Restricted Working Space, Add</i>	9.13	
23 31 13 13-0515	LF		4" x 6", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	42.61	22.82
			<i>For 3" WG (Class B), Add</i>	5.71	
			<i>For 4" Or 6" WG (Class A), Add</i>	12.17	
			<i>For 10" WG (Class A), Add</i>	17.50	
			<i>For Work In Restricted Working Space, Add</i>	11.41	
23 31 13 13-0516	LF		4" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.14	27.38
			<i>For 3" WG (Class B), Add</i>	6.85	
			<i>For 4" Or 6" WG (Class A), Add</i>	14.60	
			<i>For 10" WG (Class A), Add</i>	20.99	
			<i>For Work In Restricted Working Space, Add</i>	13.69	
23 31 13 13-0517	LF		4" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.65	31.94
			<i>For 3" WG (Class B), Add</i>	7.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	17.04	
			<i>For 10" WG (Class A), Add</i>	24.50	
			<i>For Work In Restricted Working Space, Add</i>	15.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0518 LF 4" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.17	36.51
<i>For 3" WG (Class B), Add</i>	9.13	
<i>For 4" Or 6" WG (Class A), Add</i>	19.47	
<i>For 10" WG (Class A), Add</i>	27.99	
<i>For Work In Restricted Working Space, Add</i>	18.26	
23 31 13 13-0519 LF 4" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	76.69	41.07
<i>For 3" WG (Class B), Add</i>	10.27	
<i>For 4" Or 6" WG (Class A), Add</i>	21.90	
<i>For 10" WG (Class A), Add</i>	31.49	
<i>For Work In Restricted Working Space, Add</i>	20.54	
23 31 13 13-0520 LF 4" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	85.22	45.64
<i>For 3" WG (Class B), Add</i>	11.41	
<i>For 4" Or 6" WG (Class A), Add</i>	24.34	
<i>For 10" WG (Class A), Add</i>	34.99	
<i>For Work In Restricted Working Space, Add</i>	22.82	
23 31 13 13-0521 LF 6" x 6", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.14	27.38
<i>For 3" WG (Class B), Add</i>	6.85	
<i>For 4" Or 6" WG (Class A), Add</i>	14.60	
<i>For 10" WG (Class A), Add</i>	20.99	
<i>For Work In Restricted Working Space, Add</i>	13.69	
23 31 13 13-0522 LF 6" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.65	31.94
<i>For 3" WG (Class B), Add</i>	7.99	
<i>For 4" Or 6" WG (Class A), Add</i>	17.04	
<i>For 10" WG (Class A), Add</i>	24.50	
<i>For Work In Restricted Working Space, Add</i>	15.98	
23 31 13 13-0523 LF 6" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.17	36.51
<i>For 3" WG (Class B), Add</i>	9.13	
<i>For 4" Or 6" WG (Class A), Add</i>	19.47	
<i>For 10" WG (Class A), Add</i>	27.99	
<i>For Work In Restricted Working Space, Add</i>	18.26	
23 31 13 13-0524 LF 6" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	76.69	41.07
<i>For 3" WG (Class B), Add</i>	10.27	
<i>For 4" Or 6" WG (Class A), Add</i>	21.90	
<i>For 10" WG (Class A), Add</i>	31.49	
<i>For Work In Restricted Working Space, Add</i>	20.54	
23 31 13 13-0525 LF 6" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	85.22	45.64
<i>For 3" WG (Class B), Add</i>	11.41	
<i>For 4" Or 6" WG (Class A), Add</i>	24.34	
<i>For 10" WG (Class A), Add</i>	34.99	
<i>For Work In Restricted Working Space, Add</i>	22.82	
23 31 13 13-0526 LF 6" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	93.74	50.20
<i>For 3" WG (Class B), Add</i>	12.55	
<i>For 4" Or 6" WG (Class A), Add</i>	26.77	
<i>For 10" WG (Class A), Add</i>	38.49	
<i>For Work In Restricted Working Space, Add</i>	25.10	
23 31 13 13-0527 LF 8" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.17	36.51
<i>For 3" WG (Class B), Add</i>	9.13	
<i>For 4" Or 6" WG (Class A), Add</i>	19.47	
<i>For 10" WG (Class A), Add</i>	27.99	
<i>For Work In Restricted Working Space, Add</i>	18.26	
23 31 13 13-0528 LF 8" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	76.69	41.07
<i>For 3" WG (Class B), Add</i>	10.27	
<i>For 4" Or 6" WG (Class A), Add</i>	21.90	
<i>For 10" WG (Class A), Add</i>	31.49	
<i>For Work In Restricted Working Space, Add</i>	20.54	
23 31 13 13-0529 LF 8" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	85.22	45.64
<i>For 3" WG (Class B), Add</i>	11.41	
<i>For 4" Or 6" WG (Class A), Add</i>	24.34	
<i>For 10" WG (Class A), Add</i>	34.99	
<i>For Work In Restricted Working Space, Add</i>	22.82	
23 31 13 13-0530 LF 8" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	93.74	50.20
<i>For 3" WG (Class B), Add</i>	12.55	
<i>For 4" Or 6" WG (Class A), Add</i>	26.77	
<i>For 10" WG (Class A), Add</i>	38.49	
<i>For Work In Restricted Working Space, Add</i>	25.10	
23 31 13 13-0531 LF 8" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	102.25	54.77
<i>For 3" WG (Class B), Add</i>	13.69	
<i>For 4" Or 6" WG (Class A), Add</i>	29.21	
<i>For 10" WG (Class A), Add</i>	41.99	
<i>For Work In Restricted Working Space, Add</i>	27.38	
23 31 13 13-0532 LF 8" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	110.77	59.32
<i>For 3" WG (Class B), Add</i>	14.83	
<i>For 4" Or 6" WG (Class A), Add</i>	31.64	
<i>For 10" WG (Class A), Add</i>	45.48	
<i>For Work In Restricted Working Space, Add</i>	29.66	
23 31 13 13-0533 LF 8" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	119.31	63.90
<i>For 3" WG (Class B), Add</i>	15.97	
<i>For 4" Or 6" WG (Class A), Add</i>	34.08	
<i>For 10" WG (Class A), Add</i>	48.99	
<i>For Work In Restricted Working Space, Add</i>	31.95	
23 31 13 13-0534 LF 8" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.81	68.45
<i>For 3" WG (Class B), Add</i>	17.11	
<i>For 4" Or 6" WG (Class A), Add</i>	36.51	
<i>For 10" WG (Class A), Add</i>	52.48	
<i>For Work In Restricted Working Space, Add</i>	34.23	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0535	LF	8" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	136.34	73.02
			<i>For 3" WG (Class B), Add</i>	18.26	
			<i>For 4" Or 6" WG (Class A), Add</i>	38.94	
			<i>For 10" WG (Class A), Add</i>	55.98	
			<i>For Work In Restricted Working Space, Add</i>	36.51	
23 31	13 13-0536	LF	10" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	85.22	45.64
			<i>For 3" WG (Class B), Add</i>	11.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	24.34	
			<i>For 10" WG (Class A), Add</i>	34.99	
			<i>For Work In Restricted Working Space, Add</i>	22.82	
23 31	13 13-0537	LF	10" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	93.74	50.20
			<i>For 3" WG (Class B), Add</i>	12.55	
			<i>For 4" Or 6" WG (Class A), Add</i>	26.77	
			<i>For 10" WG (Class A), Add</i>	38.49	
			<i>For Work In Restricted Working Space, Add</i>	25.10	
23 31	13 13-0538	LF	10" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	102.25	54.77
			<i>For 3" WG (Class B), Add</i>	13.69	
			<i>For 4" Or 6" WG (Class A), Add</i>	29.21	
			<i>For 10" WG (Class A), Add</i>	41.99	
			<i>For Work In Restricted Working Space, Add</i>	27.38	
23 31	13 13-0539	LF	10" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	110.77	59.32
			<i>For 3" WG (Class B), Add</i>	14.83	
			<i>For 4" Or 6" WG (Class A), Add</i>	31.64	
			<i>For 10" WG (Class A), Add</i>	45.48	
			<i>For Work In Restricted Working Space, Add</i>	29.66	
23 31	13 13-0540	LF	10" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	119.31	63.90
			<i>For 3" WG (Class B), Add</i>	15.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	34.08	
			<i>For 10" WG (Class A), Add</i>	48.99	
			<i>For Work In Restricted Working Space, Add</i>	31.95	
23 31	13 13-0541	LF	10" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.81	68.45
			<i>For 3" WG (Class B), Add</i>	17.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	36.51	
			<i>For 10" WG (Class A), Add</i>	52.48	
			<i>For Work In Restricted Working Space, Add</i>	34.23	
23 31	13 13-0542	LF	10" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	136.34	73.02
			<i>For 3" WG (Class B), Add</i>	18.26	
			<i>For 4" Or 6" WG (Class A), Add</i>	38.94	
			<i>For 10" WG (Class A), Add</i>	55.98	
			<i>For Work In Restricted Working Space, Add</i>	36.51	
23 31	13 13-0543	LF	10" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.88	77.58
			<i>For 3" WG (Class B), Add</i>	19.40	
			<i>For 4" Or 6" WG (Class A), Add</i>	41.38	
			<i>For 10" WG (Class A), Add</i>	59.49	
			<i>For Work In Restricted Working Space, Add</i>	38.80	
23 31	13 13-0544	LF	10" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	153.39	82.15
			<i>For 3" WG (Class B), Add</i>	20.54	
			<i>For 4" Or 6" WG (Class A), Add</i>	43.81	
			<i>For 10" WG (Class A), Add</i>	62.98	
			<i>For Work In Restricted Working Space, Add</i>	41.08	
23 31	13 13-0545	LF	10" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	161.92	86.71
			<i>For 3" WG (Class B), Add</i>	21.68	
			<i>For 4" Or 6" WG (Class A), Add</i>	46.25	
			<i>For 10" WG (Class A), Add</i>	66.48	
			<i>For Work In Restricted Working Space, Add</i>	43.36	
23 31	13 13-0546	LF	10" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	170.42	91.28
			<i>For 3" WG (Class B), Add</i>	22.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	48.68	
			<i>For 10" WG (Class A), Add</i>	69.98	
			<i>For Work In Restricted Working Space, Add</i>	45.64	
23 31	13 13-0547	LF	10" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	178.95	95.84
			<i>For 3" WG (Class B), Add</i>	23.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	51.11	
			<i>For 10" WG (Class A), Add</i>	73.48	
			<i>For Work In Restricted Working Space, Add</i>	47.92	
23 31	13 13-0548	LF	12" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	102.25	54.77
			<i>For 3" WG (Class B), Add</i>	13.69	
			<i>For 4" Or 6" WG (Class A), Add</i>	29.21	
			<i>For 10" WG (Class A), Add</i>	41.99	
			<i>For Work In Restricted Working Space, Add</i>	27.38	
23 31	13 13-0549	LF	12" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	110.77	59.32
			<i>For 3" WG (Class B), Add</i>	14.83	
			<i>For 4" Or 6" WG (Class A), Add</i>	31.64	
			<i>For 10" WG (Class A), Add</i>	45.48	
			<i>For Work In Restricted Working Space, Add</i>	29.66	
23 31	13 13-0550	LF	12" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	119.31	63.90
			<i>For 3" WG (Class B), Add</i>	15.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	34.08	
			<i>For 10" WG (Class A), Add</i>	48.99	
			<i>For Work In Restricted Working Space, Add</i>	31.95	
23 31	13 13-0551	LF	12" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.81	68.45
			<i>For 3" WG (Class B), Add</i>	17.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	36.51	
			<i>For 10" WG (Class A), Add</i>	52.48	
			<i>For Work In Restricted Working Space, Add</i>	34.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0552 LF 12" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	136.34	73.02
<i>For 3" WG (Class B), Add</i>	18.26	
<i>For 4" Or 6" WG (Class A), Add</i>	38.94	
<i>For 10" WG (Class A), Add</i>	55.98	
<i>For Work In Restricted Working Space, Add</i>	36.51	
23 31 13 13-0553 LF 12" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.88	77.58
<i>For 3" WG (Class B), Add</i>	19.40	
<i>For 4" Or 6" WG (Class A), Add</i>	41.38	
<i>For 10" WG (Class A), Add</i>	59.49	
<i>For Work In Restricted Working Space, Add</i>	38.80	
23 31 13 13-0554 LF 12" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	153.39	82.15
<i>For 3" WG (Class B), Add</i>	20.54	
<i>For 4" Or 6" WG (Class A), Add</i>	43.81	
<i>For 10" WG (Class A), Add</i>	62.98	
<i>For Work In Restricted Working Space, Add</i>	41.08	
23 31 13 13-0555 LF 12" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	161.92	86.71
<i>For 3" WG (Class B), Add</i>	21.68	
<i>For 4" Or 6" WG (Class A), Add</i>	46.25	
<i>For 10" WG (Class A), Add</i>	66.48	
<i>For Work In Restricted Working Space, Add</i>	43.36	
23 31 13 13-0556 LF 12" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	170.42	91.28
<i>For 3" WG (Class B), Add</i>	22.82	
<i>For 4" Or 6" WG (Class A), Add</i>	48.68	
<i>For 10" WG (Class A), Add</i>	69.98	
<i>For Work In Restricted Working Space, Add</i>	45.64	
23 31 13 13-0557 LF 12" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	178.95	95.84
<i>For 3" WG (Class B), Add</i>	23.96	
<i>For 4" Or 6" WG (Class A), Add</i>	51.11	
<i>For 10" WG (Class A), Add</i>	73.48	
<i>For Work In Restricted Working Space, Add</i>	47.92	
23 31 13 13-0558 LF 12" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	187.47	100.40
<i>For 3" WG (Class B), Add</i>	25.10	
<i>For 4" Or 6" WG (Class A), Add</i>	53.55	
<i>For 10" WG (Class A), Add</i>	76.97	
<i>For Work In Restricted Working Space, Add</i>	50.20	
23 31 13 13-0559 LF 12" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	195.98	104.97
<i>For 3" WG (Class B), Add</i>	26.24	
<i>For 4" Or 6" WG (Class A), Add</i>	55.98	
<i>For 10" WG (Class A), Add</i>	80.47	
<i>For Work In Restricted Working Space, Add</i>	52.48	
23 31 13 13-0560 LF 12" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	204.52	109.53
<i>For 3" WG (Class B), Add</i>	27.38	
<i>For 4" Or 6" WG (Class A), Add</i>	58.42	
<i>For 10" WG (Class A), Add</i>	83.98	
<i>For Work In Restricted Working Space, Add</i>	54.77	
23 31 13 13-0561 LF 14" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	119.31	63.90
<i>For 3" WG (Class B), Add</i>	15.97	
<i>For 4" Or 6" WG (Class A), Add</i>	34.08	
<i>For 10" WG (Class A), Add</i>	48.99	
<i>For Work In Restricted Working Space, Add</i>	31.95	
23 31 13 13-0562 LF 14" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.81	68.45
<i>For 3" WG (Class B), Add</i>	17.11	
<i>For 4" Or 6" WG (Class A), Add</i>	36.51	
<i>For 10" WG (Class A), Add</i>	52.48	
<i>For Work In Restricted Working Space, Add</i>	34.23	
23 31 13 13-0563 LF 14" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	136.34	73.02
<i>For 3" WG (Class B), Add</i>	18.26	
<i>For 4" Or 6" WG (Class A), Add</i>	38.94	
<i>For 10" WG (Class A), Add</i>	55.98	
<i>For Work In Restricted Working Space, Add</i>	36.51	
23 31 13 13-0564 LF 14" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.88	77.58
<i>For 3" WG (Class B), Add</i>	19.40	
<i>For 4" Or 6" WG (Class A), Add</i>	41.38	
<i>For 10" WG (Class A), Add</i>	59.49	
<i>For Work In Restricted Working Space, Add</i>	38.80	
23 31 13 13-0565 LF 14" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	153.39	82.15
<i>For 3" WG (Class B), Add</i>	20.54	
<i>For 4" Or 6" WG (Class A), Add</i>	43.81	
<i>For 10" WG (Class A), Add</i>	62.98	
<i>For Work In Restricted Working Space, Add</i>	41.08	
23 31 13 13-0566 LF 14" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	161.92	86.71
<i>For 3" WG (Class B), Add</i>	21.68	
<i>For 4" Or 6" WG (Class A), Add</i>	46.25	
<i>For 10" WG (Class A), Add</i>	66.48	
<i>For Work In Restricted Working Space, Add</i>	43.36	
23 31 13 13-0567 LF 14" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	170.42	91.28
<i>For 3" WG (Class B), Add</i>	22.82	
<i>For 4" Or 6" WG (Class A), Add</i>	48.68	
<i>For 10" WG (Class A), Add</i>	69.98	
<i>For Work In Restricted Working Space, Add</i>	45.64	
23 31 13 13-0568 LF 14" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	178.95	95.84
<i>For 3" WG (Class B), Add</i>	23.96	
<i>For 4" Or 6" WG (Class A), Add</i>	51.11	
<i>For 10" WG (Class A), Add</i>	73.48	
<i>For Work In Restricted Working Space, Add</i>	47.92	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0569	LF	14" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	187.47	100.40
			<i>For 3" WG (Class B), Add</i>	25.10	
			<i>For 4" Or 6" WG (Class A), Add</i>	53.55	
			<i>For 10" WG (Class A), Add</i>	76.97	
			<i>For Work In Restricted Working Space, Add</i>	50.20	
23 31	13 13-0570	LF	14" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	195.98	104.97
			<i>For 3" WG (Class B), Add</i>	26.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.98	
			<i>For 10" WG (Class A), Add</i>	80.47	
			<i>For Work In Restricted Working Space, Add</i>	52.48	
23 31	13 13-0571	LF	14" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	204.52	109.53
			<i>For 3" WG (Class B), Add</i>	27.38	
			<i>For 4" Or 6" WG (Class A), Add</i>	58.42	
			<i>For 10" WG (Class A), Add</i>	83.98	
			<i>For Work In Restricted Working Space, Add</i>	54.77	
23 31	13 13-0572	LF	14" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	213.03	114.09
			<i>For 3" WG (Class B), Add</i>	28.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	60.85	
			<i>For 10" WG (Class A), Add</i>	87.47	
			<i>For Work In Restricted Working Space, Add</i>	57.05	
23 31	13 13-0573	LF	16" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	136.34	73.02
			<i>For 3" WG (Class B), Add</i>	18.26	
			<i>For 4" Or 6" WG (Class A), Add</i>	38.94	
			<i>For 10" WG (Class A), Add</i>	55.98	
			<i>For Work In Restricted Working Space, Add</i>	36.51	
23 31	13 13-0574	LF	16" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.88	77.58
			<i>For 3" WG (Class B), Add</i>	19.40	
			<i>For 4" Or 6" WG (Class A), Add</i>	41.38	
			<i>For 10" WG (Class A), Add</i>	59.49	
			<i>For Work In Restricted Working Space, Add</i>	38.80	
23 31	13 13-0575	LF	16" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	153.39	82.15
			<i>For 3" WG (Class B), Add</i>	20.54	
			<i>For 4" Or 6" WG (Class A), Add</i>	43.81	
			<i>For 10" WG (Class A), Add</i>	62.98	
			<i>For Work In Restricted Working Space, Add</i>	41.08	
23 31	13 13-0576	LF	16" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	161.92	86.71
			<i>For 3" WG (Class B), Add</i>	21.68	
			<i>For 4" Or 6" WG (Class A), Add</i>	46.25	
			<i>For 10" WG (Class A), Add</i>	66.48	
			<i>For Work In Restricted Working Space, Add</i>	43.36	
23 31	13 13-0577	LF	16" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	170.42	91.28
			<i>For 3" WG (Class B), Add</i>	22.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	48.68	
			<i>For 10" WG (Class A), Add</i>	69.98	
			<i>For Work In Restricted Working Space, Add</i>	45.64	
23 31	13 13-0578	LF	16" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	178.95	95.84
			<i>For 3" WG (Class B), Add</i>	23.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	51.11	
			<i>For 10" WG (Class A), Add</i>	73.48	
			<i>For Work In Restricted Working Space, Add</i>	47.92	
23 31	13 13-0579	LF	16" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	187.47	100.40
			<i>For 3" WG (Class B), Add</i>	25.10	
			<i>For 4" Or 6" WG (Class A), Add</i>	53.55	
			<i>For 10" WG (Class A), Add</i>	76.97	
			<i>For Work In Restricted Working Space, Add</i>	50.20	
23 31	13 13-0580	LF	16" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	195.98	104.97
			<i>For 3" WG (Class B), Add</i>	26.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.98	
			<i>For 10" WG (Class A), Add</i>	80.47	
			<i>For Work In Restricted Working Space, Add</i>	52.48	
23 31	13 13-0581	LF	16" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	204.52	109.53
			<i>For 3" WG (Class B), Add</i>	27.38	
			<i>For 4" Or 6" WG (Class A), Add</i>	58.42	
			<i>For 10" WG (Class A), Add</i>	83.98	
			<i>For Work In Restricted Working Space, Add</i>	54.77	
23 31	13 13-0582	LF	16" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	213.03	114.09
			<i>For 3" WG (Class B), Add</i>	28.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	60.85	
			<i>For 10" WG (Class A), Add</i>	87.47	
			<i>For Work In Restricted Working Space, Add</i>	57.05	
23 31	13 13-0583	LF	16" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	221.56	118.67
			<i>For 3" WG (Class B), Add</i>	29.67	
			<i>For 4" Or 6" WG (Class A), Add</i>	63.29	
			<i>For 10" WG (Class A), Add</i>	90.97	
			<i>For Work In Restricted Working Space, Add</i>	59.33	
23 31	13 13-0584	LF	16" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	230.08	123.22
			<i>For 3" WG (Class B), Add</i>	30.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	65.72	
			<i>For 10" WG (Class A), Add</i>	94.47	
			<i>For Work In Restricted Working Space, Add</i>	61.61	
23 31	13 13-0585	LF	16" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	238.60	127.79
			<i>For 3" WG (Class B), Add</i>	31.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.15	
			<i>For 10" WG (Class A), Add</i>	97.97	
			<i>For Work In Restricted Working Space, Add</i>	63.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0586 LF 16" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	247.12	132.35
<i>For 3" WG (Class B), Add</i>	33.09	
<i>For 4" Or 6" WG (Class A), Add</i>	70.59	
<i>For 10" WG (Class A), Add</i>	101.47	
<i>For Work In Restricted Working Space, Add</i>	66.17	
23 31 13 13-0587 LF 16" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	255.66	136.92
<i>For 3" WG (Class B), Add</i>	34.23	
<i>For 4" Or 6" WG (Class A), Add</i>	73.02	
<i>For 10" WG (Class A), Add</i>	104.97	
<i>For Work In Restricted Working Space, Add</i>	68.46	
23 31 13 13-0588 LF 18" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	153.39	82.15
<i>For 3" WG (Class B), Add</i>	20.54	
<i>For 4" Or 6" WG (Class A), Add</i>	43.81	
<i>For 10" WG (Class A), Add</i>	62.98	
<i>For Work In Restricted Working Space, Add</i>	41.08	
23 31 13 13-0589 LF 18" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	161.92	86.71
<i>For 3" WG (Class B), Add</i>	21.68	
<i>For 4" Or 6" WG (Class A), Add</i>	46.25	
<i>For 10" WG (Class A), Add</i>	66.48	
<i>For Work In Restricted Working Space, Add</i>	43.36	
23 31 13 13-0590 LF 18" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	170.42	91.28
<i>For 3" WG (Class B), Add</i>	22.82	
<i>For 4" Or 6" WG (Class A), Add</i>	48.68	
<i>For 10" WG (Class A), Add</i>	69.98	
<i>For Work In Restricted Working Space, Add</i>	45.64	
23 31 13 13-0591 LF 18" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	178.95	95.84
<i>For 3" WG (Class B), Add</i>	23.96	
<i>For 4" Or 6" WG (Class A), Add</i>	51.11	
<i>For 10" WG (Class A), Add</i>	73.48	
<i>For Work In Restricted Working Space, Add</i>	47.92	
23 31 13 13-0592 LF 18" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	187.47	100.40
<i>For 3" WG (Class B), Add</i>	25.10	
<i>For 4" Or 6" WG (Class A), Add</i>	53.55	
<i>For 10" WG (Class A), Add</i>	76.97	
<i>For Work In Restricted Working Space, Add</i>	50.20	
23 31 13 13-0593 LF 18" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	195.98	104.97
<i>For 3" WG (Class B), Add</i>	26.24	
<i>For 4" Or 6" WG (Class A), Add</i>	55.98	
<i>For 10" WG (Class A), Add</i>	80.47	
<i>For Work In Restricted Working Space, Add</i>	52.48	
23 31 13 13-0594 LF 18" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	204.52	109.53
<i>For 3" WG (Class B), Add</i>	27.38	
<i>For 4" Or 6" WG (Class A), Add</i>	58.42	
<i>For 10" WG (Class A), Add</i>	83.98	
<i>For Work In Restricted Working Space, Add</i>	54.77	
23 31 13 13-0595 LF 18" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	213.03	114.09
<i>For 3" WG (Class B), Add</i>	28.52	
<i>For 4" Or 6" WG (Class A), Add</i>	60.85	
<i>For 10" WG (Class A), Add</i>	87.47	
<i>For Work In Restricted Working Space, Add</i>	57.05	
23 31 13 13-0596 LF 18" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	221.56	118.67
<i>For 3" WG (Class B), Add</i>	29.67	
<i>For 4" Or 6" WG (Class A), Add</i>	63.29	
<i>For 10" WG (Class A), Add</i>	90.97	
<i>For Work In Restricted Working Space, Add</i>	59.33	
23 31 13 13-0597 LF 18" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	230.08	123.22
<i>For 3" WG (Class B), Add</i>	30.81	
<i>For 4" Or 6" WG (Class A), Add</i>	65.72	
<i>For 10" WG (Class A), Add</i>	94.47	
<i>For Work In Restricted Working Space, Add</i>	61.61	
23 31 13 13-0598 LF 18" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	238.60	127.79
<i>For 3" WG (Class B), Add</i>	31.95	
<i>For 4" Or 6" WG (Class A), Add</i>	68.15	
<i>For 10" WG (Class A), Add</i>	97.97	
<i>For Work In Restricted Working Space, Add</i>	63.89	
23 31 13 13-0599 LF 18" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	247.12	132.35
<i>For 3" WG (Class B), Add</i>	33.09	
<i>For 4" Or 6" WG (Class A), Add</i>	70.59	
<i>For 10" WG (Class A), Add</i>	101.47	
<i>For Work In Restricted Working Space, Add</i>	66.17	
23 31 13 13-0600 LF 18" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	255.66	136.92
<i>For 3" WG (Class B), Add</i>	34.23	
<i>For 4" Or 6" WG (Class A), Add</i>	73.02	
<i>For 10" WG (Class A), Add</i>	104.97	
<i>For Work In Restricted Working Space, Add</i>	68.46	
23 31 13 13-0601 LF 18" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	264.16	141.47
<i>For 3" WG (Class B), Add</i>	35.37	
<i>For 4" Or 6" WG (Class A), Add</i>	75.46	
<i>For 10" WG (Class A), Add</i>	108.47	
<i>For Work In Restricted Working Space, Add</i>	70.74	
23 31 13 13-0602 LF 18" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	272.69	146.05
<i>For 3" WG (Class B), Add</i>	36.51	
<i>For 4" Or 6" WG (Class A), Add</i>	77.89	
<i>For 10" WG (Class A), Add</i>	111.97	
<i>For Work In Restricted Working Space, Add</i>	73.02	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0603	LF	20" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	170.42	91.28
			For 3" WG (Class B), Add	22.82	
			For 4" Or 6" WG (Class A), Add	48.68	
			For 10" WG (Class A), Add	69.98	
			For Work In Restricted Working Space, Add	45.64	
23 31 13	13-0604	LF	20" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	178.95	95.84
			For 3" WG (Class B), Add	23.96	
			For 4" Or 6" WG (Class A), Add	51.11	
			For 10" WG (Class A), Add	73.48	
			For Work In Restricted Working Space, Add	47.92	
23 31 13	13-0605	LF	20" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	187.47	100.40
			For 3" WG (Class B), Add	25.10	
			For 4" Or 6" WG (Class A), Add	53.55	
			For 10" WG (Class A), Add	76.97	
			For Work In Restricted Working Space, Add	50.20	
23 31 13	13-0606	LF	20" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	195.98	104.97
			For 3" WG (Class B), Add	26.24	
			For 4" Or 6" WG (Class A), Add	55.98	
			For 10" WG (Class A), Add	80.47	
			For Work In Restricted Working Space, Add	52.48	
23 31 13	13-0607	LF	20" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	204.52	109.53
			For 3" WG (Class B), Add	27.38	
			For 4" Or 6" WG (Class A), Add	58.42	
			For 10" WG (Class A), Add	83.98	
			For Work In Restricted Working Space, Add	54.77	
23 31 13	13-0608	LF	20" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	213.03	114.09
			For 3" WG (Class B), Add	28.52	
			For 4" Or 6" WG (Class A), Add	60.85	
			For 10" WG (Class A), Add	87.47	
			For Work In Restricted Working Space, Add	57.05	
23 31 13	13-0609	LF	20" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	221.56	118.67
			For 3" WG (Class B), Add	29.67	
			For 4" Or 6" WG (Class A), Add	63.29	
			For 10" WG (Class A), Add	90.97	
			For Work In Restricted Working Space, Add	59.33	
23 31 13	13-0610	LF	20" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	230.08	123.22
			For 3" WG (Class B), Add	30.81	
			For 4" Or 6" WG (Class A), Add	65.72	
			For 10" WG (Class A), Add	94.47	
			For Work In Restricted Working Space, Add	61.61	
23 31 13	13-0611	LF	20" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	238.60	127.79
			For 3" WG (Class B), Add	31.95	
			For 4" Or 6" WG (Class A), Add	68.15	
			For 10" WG (Class A), Add	97.97	
			For Work In Restricted Working Space, Add	63.89	
23 31 13	13-0612	LF	20" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	247.12	132.35
			For 3" WG (Class B), Add	33.09	
			For 4" Or 6" WG (Class A), Add	70.59	
			For 10" WG (Class A), Add	101.47	
			For Work In Restricted Working Space, Add	66.17	
23 31 13	13-0613	LF	20" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	255.66	136.92
			For 3" WG (Class B), Add	34.23	
			For 4" Or 6" WG (Class A), Add	73.02	
			For 10" WG (Class A), Add	104.97	
			For Work In Restricted Working Space, Add	68.46	
23 31 13	13-0614	LF	20" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	264.16	141.47
			For 3" WG (Class B), Add	35.37	
			For 4" Or 6" WG (Class A), Add	75.46	
			For 10" WG (Class A), Add	108.47	
			For Work In Restricted Working Space, Add	70.74	
23 31 13	13-0615	LF	20" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	272.69	146.05
			For 3" WG (Class B), Add	36.51	
			For 4" Or 6" WG (Class A), Add	77.89	
			For 10" WG (Class A), Add	111.97	
			For Work In Restricted Working Space, Add	73.02	
23 31 13	13-0616	LF	20" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	281.21	150.60
			For 3" WG (Class B), Add	37.65	
			For 4" Or 6" WG (Class A), Add	80.33	
			For 10" WG (Class A), Add	115.47	
			For Work In Restricted Working Space, Add	75.31	
23 31 13	13-0617	LF	20" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	289.73	155.18
			For 3" WG (Class B), Add	38.79	
			For 4" Or 6" WG (Class A), Add	82.76	
			For 10" WG (Class A), Add	118.97	
			For Work In Restricted Working Space, Add	77.59	
23 31 13	13-0618	LF	22" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	187.47	100.40
			For 3" WG (Class B), Add	25.10	
			For 4" Or 6" WG (Class A), Add	53.55	
			For 10" WG (Class A), Add	76.97	
			For Work In Restricted Working Space, Add	50.20	
23 31 13	13-0619	LF	22" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	195.98	104.97
			For 3" WG (Class B), Add	26.24	
			For 4" Or 6" WG (Class A), Add	55.98	
			For 10" WG (Class A), Add	80.47	
			For Work In Restricted Working Space, Add	52.48	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0620 LF 22" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	204.52	109.53
<i>For 3" WG (Class B), Add</i>	27.38	
<i>For 4" Or 6" WG (Class A), Add</i>	58.42	
<i>For 10" WG (Class A), Add</i>	83.98	
<i>For Work In Restricted Working Space, Add</i>	54.77	
23 31 13 13-0621 LF 22" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	213.03	114.09
<i>For 3" WG (Class B), Add</i>	28.52	
<i>For 4" Or 6" WG (Class A), Add</i>	60.85	
<i>For 10" WG (Class A), Add</i>	87.47	
<i>For Work In Restricted Working Space, Add</i>	57.05	
23 31 13 13-0622 LF 22" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	221.56	118.67
<i>For 3" WG (Class B), Add</i>	29.67	
<i>For 4" Or 6" WG (Class A), Add</i>	63.29	
<i>For 10" WG (Class A), Add</i>	90.97	
<i>For Work In Restricted Working Space, Add</i>	59.33	
23 31 13 13-0623 LF 22" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	230.08	123.22
<i>For 3" WG (Class B), Add</i>	30.81	
<i>For 4" Or 6" WG (Class A), Add</i>	65.72	
<i>For 10" WG (Class A), Add</i>	94.47	
<i>For Work In Restricted Working Space, Add</i>	61.61	
23 31 13 13-0624 LF 22" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	238.60	127.79
<i>For 3" WG (Class B), Add</i>	31.95	
<i>For 4" Or 6" WG (Class A), Add</i>	68.15	
<i>For 10" WG (Class A), Add</i>	97.97	
<i>For Work In Restricted Working Space, Add</i>	63.89	
23 31 13 13-0625 LF 22" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	247.12	132.35
<i>For 3" WG (Class B), Add</i>	33.09	
<i>For 4" Or 6" WG (Class A), Add</i>	70.59	
<i>For 10" WG (Class A), Add</i>	101.47	
<i>For Work In Restricted Working Space, Add</i>	66.17	
23 31 13 13-0626 LF 22" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	255.66	136.92
<i>For 3" WG (Class B), Add</i>	34.23	
<i>For 4" Or 6" WG (Class A), Add</i>	73.02	
<i>For 10" WG (Class A), Add</i>	104.97	
<i>For Work In Restricted Working Space, Add</i>	68.46	
23 31 13 13-0627 LF 22" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	264.16	141.47
<i>For 3" WG (Class B), Add</i>	35.37	
<i>For 4" Or 6" WG (Class A), Add</i>	75.46	
<i>For 10" WG (Class A), Add</i>	108.47	
<i>For Work In Restricted Working Space, Add</i>	70.74	
23 31 13 13-0628 LF 22" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	272.69	146.05
<i>For 3" WG (Class B), Add</i>	36.51	
<i>For 4" Or 6" WG (Class A), Add</i>	77.89	
<i>For 10" WG (Class A), Add</i>	111.97	
<i>For Work In Restricted Working Space, Add</i>	73.02	
23 31 13 13-0629 LF 22" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	281.21	150.60
<i>For 3" WG (Class B), Add</i>	37.65	
<i>For 4" Or 6" WG (Class A), Add</i>	80.33	
<i>For 10" WG (Class A), Add</i>	115.47	
<i>For Work In Restricted Working Space, Add</i>	75.31	
23 31 13 13-0630 LF 22" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	289.73	155.18
<i>For 3" WG (Class B), Add</i>	38.79	
<i>For 4" Or 6" WG (Class A), Add</i>	82.76	
<i>For 10" WG (Class A), Add</i>	118.97	
<i>For Work In Restricted Working Space, Add</i>	77.59	
23 31 13 13-0631 LF 22" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	298.25	159.73
<i>For 3" WG (Class B), Add</i>	39.93	
<i>For 4" Or 6" WG (Class A), Add</i>	85.19	
<i>For 10" WG (Class A), Add</i>	122.46	
<i>For Work In Restricted Working Space, Add</i>	79.87	
23 31 13 13-0632 LF 24" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	204.52	109.53
<i>For 3" WG (Class B), Add</i>	27.38	
<i>For 4" Or 6" WG (Class A), Add</i>	58.42	
<i>For 10" WG (Class A), Add</i>	83.98	
<i>For Work In Restricted Working Space, Add</i>	54.77	
23 31 13 13-0633 LF 24" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	213.03	114.09
<i>For 3" WG (Class B), Add</i>	28.52	
<i>For 4" Or 6" WG (Class A), Add</i>	60.85	
<i>For 10" WG (Class A), Add</i>	87.47	
<i>For Work In Restricted Working Space, Add</i>	57.05	
23 31 13 13-0634 LF 24" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	221.56	118.67
<i>For 3" WG (Class B), Add</i>	29.67	
<i>For 4" Or 6" WG (Class A), Add</i>	63.29	
<i>For 10" WG (Class A), Add</i>	90.97	
<i>For Work In Restricted Working Space, Add</i>	59.33	
23 31 13 13-0635 LF 24" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	230.08	123.22
<i>For 3" WG (Class B), Add</i>	30.81	
<i>For 4" Or 6" WG (Class A), Add</i>	65.72	
<i>For 10" WG (Class A), Add</i>	94.47	
<i>For Work In Restricted Working Space, Add</i>	61.61	
23 31 13 13-0636 LF 24" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	238.60	127.79
<i>For 3" WG (Class B), Add</i>	31.95	
<i>For 4" Or 6" WG (Class A), Add</i>	68.15	
<i>For 10" WG (Class A), Add</i>	97.97	
<i>For Work In Restricted Working Space, Add</i>	63.89	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0637	LF	24" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	247.12 33.09 70.59 101.47 66.17	132.35
23 31 13	13-0638	LF	24" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	255.66 34.23 73.02 104.97 68.46	136.92
23 31 13	13-0639	LF	24" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	264.16 35.37 75.46 108.47 70.74	141.47
23 31 13	13-0640	LF	24" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	272.69 36.51 77.89 111.97 73.02	146.05
23 31 13	13-0641	LF	24" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	281.21 37.65 80.33 115.47 75.31	150.60
23 31 13	13-0642	LF	24" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	289.73 38.79 82.76 118.97 77.59	155.18
23 31 13	13-0643	LF	24" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	298.25 39.93 85.19 122.46 79.87	159.73
23 31 13	13-0644	LF	24" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	306.76 41.07 87.62 125.96 82.15	164.30
23 31 13	13-0645	LF	26" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	221.56 29.67 63.29 90.97 59.33	118.67
23 31 13	13-0646	LF	26" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	230.08 30.81 65.72 94.47 61.61	123.22
23 31 13	13-0647	LF	26" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	238.60 31.95 68.15 97.97 63.89	127.79
23 31 13	13-0648	LF	26" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	247.12 33.09 70.59 101.47 66.17	132.35
23 31 13	13-0649	LF	26" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	255.66 34.23 73.02 104.97 68.46	136.92
23 31 13	13-0650	LF	26" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	264.16 35.37 75.46 108.47 70.74	141.47
23 31 13	13-0651	LF	26" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	272.69 36.51 77.89 111.97 73.02	146.05
23 31 13	13-0652	LF	26" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	281.21 37.65 80.33 115.47 75.31	150.60
23 31 13	13-0653	LF	26" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	289.73 38.79 82.76 118.97 77.59	155.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0654 LF 26" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	298.25	159.73
<i>For 3" WG (Class B), Add</i>	39.93	
<i>For 4" Or 6" WG (Class A), Add</i>	85.19	
<i>For 10" WG (Class A), Add</i>	122.46	
<i>For Work In Restricted Working Space, Add</i>	79.87	
23 31 13 13-0655 LF 26" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	306.76	164.30
<i>For 3" WG (Class B), Add</i>	41.07	
<i>For 4" Or 6" WG (Class A), Add</i>	87.62	
<i>For 10" WG (Class A), Add</i>	125.96	
<i>For Work In Restricted Working Space, Add</i>	82.15	
23 31 13 13-0656 LF 26" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	315.30	168.87
<i>For 3" WG (Class B), Add</i>	42.22	
<i>For 4" Or 6" WG (Class A), Add</i>	90.06	
<i>For 10" WG (Class A), Add</i>	129.46	
<i>For Work In Restricted Working Space, Add</i>	84.43	
23 31 13 13-0657 LF 28" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	238.60	127.79
<i>For 3" WG (Class B), Add</i>	31.95	
<i>For 4" Or 6" WG (Class A), Add</i>	68.15	
<i>For 10" WG (Class A), Add</i>	97.97	
<i>For Work In Restricted Working Space, Add</i>	63.89	
23 31 13 13-0658 LF 28" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	247.12	132.35
<i>For 3" WG (Class B), Add</i>	33.09	
<i>For 4" Or 6" WG (Class A), Add</i>	70.59	
<i>For 10" WG (Class A), Add</i>	101.47	
<i>For Work In Restricted Working Space, Add</i>	66.17	
23 31 13 13-0659 LF 28" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	255.66	136.92
<i>For 3" WG (Class B), Add</i>	34.23	
<i>For 4" Or 6" WG (Class A), Add</i>	73.02	
<i>For 10" WG (Class A), Add</i>	104.97	
<i>For Work In Restricted Working Space, Add</i>	68.46	
23 31 13 13-0660 LF 28" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	264.16	141.47
<i>For 3" WG (Class B), Add</i>	35.37	
<i>For 4" Or 6" WG (Class A), Add</i>	75.46	
<i>For 10" WG (Class A), Add</i>	108.47	
<i>For Work In Restricted Working Space, Add</i>	70.74	
23 31 13 13-0661 LF 28" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	272.69	146.05
<i>For 3" WG (Class B), Add</i>	36.51	
<i>For 4" Or 6" WG (Class A), Add</i>	77.89	
<i>For 10" WG (Class A), Add</i>	111.97	
<i>For Work In Restricted Working Space, Add</i>	73.02	
23 31 13 13-0662 LF 28" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	281.21	150.60
<i>For 3" WG (Class B), Add</i>	37.65	
<i>For 4" Or 6" WG (Class A), Add</i>	80.33	
<i>For 10" WG (Class A), Add</i>	115.47	
<i>For Work In Restricted Working Space, Add</i>	75.31	
23 31 13 13-0663 LF 28" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	289.73	155.18
<i>For 3" WG (Class B), Add</i>	38.79	
<i>For 4" Or 6" WG (Class A), Add</i>	82.76	
<i>For 10" WG (Class A), Add</i>	118.97	
<i>For Work In Restricted Working Space, Add</i>	77.59	
23 31 13 13-0664 LF 28" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	298.25	159.73
<i>For 3" WG (Class B), Add</i>	39.93	
<i>For 4" Or 6" WG (Class A), Add</i>	85.19	
<i>For 10" WG (Class A), Add</i>	122.46	
<i>For Work In Restricted Working Space, Add</i>	79.87	
23 31 13 13-0665 LF 28" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	306.76	164.30
<i>For 3" WG (Class B), Add</i>	41.07	
<i>For 4" Or 6" WG (Class A), Add</i>	87.62	
<i>For 10" WG (Class A), Add</i>	125.96	
<i>For Work In Restricted Working Space, Add</i>	82.15	
23 31 13 13-0666 LF 28" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	315.30	168.87
<i>For 3" WG (Class B), Add</i>	42.22	
<i>For 4" Or 6" WG (Class A), Add</i>	90.06	
<i>For 10" WG (Class A), Add</i>	129.46	
<i>For Work In Restricted Working Space, Add</i>	84.43	
23 31 13 13-0667 LF 28" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	323.80	173.43
<i>For 3" WG (Class B), Add</i>	43.36	
<i>For 4" Or 6" WG (Class A), Add</i>	92.49	
<i>For 10" WG (Class A), Add</i>	132.96	
<i>For Work In Restricted Working Space, Add</i>	86.71	
23 31 13 13-0668 LF 30" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	255.66	136.92
<i>For 3" WG (Class B), Add</i>	34.23	
<i>For 4" Or 6" WG (Class A), Add</i>	73.02	
<i>For 10" WG (Class A), Add</i>	104.97	
<i>For Work In Restricted Working Space, Add</i>	68.46	
23 31 13 13-0669 LF 30" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	264.16	141.47
<i>For 3" WG (Class B), Add</i>	35.37	
<i>For 4" Or 6" WG (Class A), Add</i>	75.46	
<i>For 10" WG (Class A), Add</i>	108.47	
<i>For Work In Restricted Working Space, Add</i>	70.74	
23 31 13 13-0670 LF 30" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	272.69	146.05
<i>For 3" WG (Class B), Add</i>	36.51	
<i>For 4" Or 6" WG (Class A), Add</i>	77.89	
<i>For 10" WG (Class A), Add</i>	111.97	
<i>For Work In Restricted Working Space, Add</i>	73.02	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-0671	LF 30" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	281.21	150.60
			For 3" WG (Class B), Add	37.65	
			For 4" Or 6" WG (Class A), Add	80.33	
			For 10" WG (Class A), Add	115.47	
			For Work In Restricted Working Space, Add	75.31	
23 31	13	13-0672	LF 30" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	289.73	155.18
			For 3" WG (Class B), Add	38.79	
			For 4" Or 6" WG (Class A), Add	82.76	
			For 10" WG (Class A), Add	118.97	
			For Work In Restricted Working Space, Add	77.59	
23 31	13	13-0673	LF 30" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	298.25	159.73
			For 3" WG (Class B), Add	39.93	
			For 4" Or 6" WG (Class A), Add	85.19	
			For 10" WG (Class A), Add	122.46	
			For Work In Restricted Working Space, Add	79.87	
23 31	13	13-0674	LF 30" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	306.76	164.30
			For 3" WG (Class B), Add	41.07	
			For 4" Or 6" WG (Class A), Add	87.62	
			For 10" WG (Class A), Add	125.96	
			For Work In Restricted Working Space, Add	82.15	
23 31	13	13-0675	LF 30" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	315.30	168.87
			For 3" WG (Class B), Add	42.22	
			For 4" Or 6" WG (Class A), Add	90.06	
			For 10" WG (Class A), Add	129.46	
			For Work In Restricted Working Space, Add	84.43	
23 31	13	13-0676	LF 30" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	323.80	173.43
			For 3" WG (Class B), Add	43.36	
			For 4" Or 6" WG (Class A), Add	92.49	
			For 10" WG (Class A), Add	132.96	
			For Work In Restricted Working Space, Add	86.71	
23 31	13	13-0677	LF 30" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.33	177.99
			For 3" WG (Class B), Add	44.50	
			For 4" Or 6" WG (Class A), Add	94.93	
			For 10" WG (Class A), Add	136.46	
			For Work In Restricted Working Space, Add	89.00	
23 31	13	13-0678	LF 32" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	272.69	146.05
			For 3" WG (Class B), Add	36.51	
			For 4" Or 6" WG (Class A), Add	77.89	
			For 10" WG (Class A), Add	111.97	
			For Work In Restricted Working Space, Add	73.02	
23 31	13	13-0679	LF 32" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	281.21	150.60
			For 3" WG (Class B), Add	37.65	
			For 4" Or 6" WG (Class A), Add	80.33	
			For 10" WG (Class A), Add	115.47	
			For Work In Restricted Working Space, Add	75.31	
23 31	13	13-0680	LF 32" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	289.73	155.18
			For 3" WG (Class B), Add	38.79	
			For 4" Or 6" WG (Class A), Add	82.76	
			For 10" WG (Class A), Add	118.97	
			For Work In Restricted Working Space, Add	77.59	
23 31	13	13-0681	LF 32" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	298.25	159.73
			For 3" WG (Class B), Add	39.93	
			For 4" Or 6" WG (Class A), Add	85.19	
			For 10" WG (Class A), Add	122.46	
			For Work In Restricted Working Space, Add	79.87	
23 31	13	13-0682	LF 32" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	306.76	164.30
			For 3" WG (Class B), Add	41.07	
			For 4" Or 6" WG (Class A), Add	87.62	
			For 10" WG (Class A), Add	125.96	
			For Work In Restricted Working Space, Add	82.15	
23 31	13	13-0683	LF 32" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	315.30	168.87
			For 3" WG (Class B), Add	42.22	
			For 4" Or 6" WG (Class A), Add	90.06	
			For 10" WG (Class A), Add	129.46	
			For Work In Restricted Working Space, Add	84.43	
23 31	13	13-0684	LF 32" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	323.80	173.43
			For 3" WG (Class B), Add	43.36	
			For 4" Or 6" WG (Class A), Add	92.49	
			For 10" WG (Class A), Add	132.96	
			For Work In Restricted Working Space, Add	86.71	
23 31	13	13-0685	LF 32" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.33	177.99
			For 3" WG (Class B), Add	44.50	
			For 4" Or 6" WG (Class A), Add	94.93	
			For 10" WG (Class A), Add	136.46	
			For Work In Restricted Working Space, Add	89.00	
23 31	13	13-0686	LF 32" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	340.87	182.56
			For 3" WG (Class B), Add	45.64	
			For 4" Or 6" WG (Class A), Add	97.36	
			For 10" WG (Class A), Add	139.96	
			For Work In Restricted Working Space, Add	91.28	
23 31	13	13-0687	LF 34" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	289.73	155.18
			For 3" WG (Class B), Add	38.79	
			For 4" Or 6" WG (Class A), Add	82.76	
			For 10" WG (Class A), Add	118.97	
			For Work In Restricted Working Space, Add	77.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0688 LF 34" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	298.25	159.73
<i>For 3" WG (Class B), Add</i>	39.93	
<i>For 4" Or 6" WG (Class A), Add</i>	85.19	
<i>For 10" WG (Class A), Add</i>	122.46	
<i>For Work In Restricted Working Space, Add</i>	79.87	
23 31 13 13-0689 LF 34" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	306.76	164.30
<i>For 3" WG (Class B), Add</i>	41.07	
<i>For 4" Or 6" WG (Class A), Add</i>	87.62	
<i>For 10" WG (Class A), Add</i>	125.96	
<i>For Work In Restricted Working Space, Add</i>	82.15	
23 31 13 13-0690 LF 34" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	315.30	168.87
<i>For 3" WG (Class B), Add</i>	42.22	
<i>For 4" Or 6" WG (Class A), Add</i>	90.06	
<i>For 10" WG (Class A), Add</i>	129.46	
<i>For Work In Restricted Working Space, Add</i>	84.43	
23 31 13 13-0691 LF 34" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	323.80	173.43
<i>For 3" WG (Class B), Add</i>	43.36	
<i>For 4" Or 6" WG (Class A), Add</i>	92.49	
<i>For 10" WG (Class A), Add</i>	132.96	
<i>For Work In Restricted Working Space, Add</i>	86.71	
23 31 13 13-0692 LF 34" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.33	177.99
<i>For 3" WG (Class B), Add</i>	44.50	
<i>For 4" Or 6" WG (Class A), Add</i>	94.93	
<i>For 10" WG (Class A), Add</i>	136.46	
<i>For Work In Restricted Working Space, Add</i>	89.00	
23 31 13 13-0693 LF 34" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	340.87	182.56
<i>For 3" WG (Class B), Add</i>	45.64	
<i>For 4" Or 6" WG (Class A), Add</i>	97.36	
<i>For 10" WG (Class A), Add</i>	139.96	
<i>For Work In Restricted Working Space, Add</i>	91.28	
23 31 13 13-0694 LF 34" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	349.37	187.12
<i>For 3" WG (Class B), Add</i>	46.78	
<i>For 4" Or 6" WG (Class A), Add</i>	99.80	
<i>For 10" WG (Class A), Add</i>	143.46	
<i>For Work In Restricted Working Space, Add</i>	93.56	
23 31 13 13-0695 LF 36" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	306.76	164.30
<i>For 3" WG (Class B), Add</i>	41.07	
<i>For 4" Or 6" WG (Class A), Add</i>	87.62	
<i>For 10" WG (Class A), Add</i>	125.96	
<i>For Work In Restricted Working Space, Add</i>	82.15	
23 31 13 13-0696 LF 36" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	315.30	168.87
<i>For 3" WG (Class B), Add</i>	42.22	
<i>For 4" Or 6" WG (Class A), Add</i>	90.06	
<i>For 10" WG (Class A), Add</i>	129.46	
<i>For Work In Restricted Working Space, Add</i>	84.43	
23 31 13 13-0697 LF 36" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	323.80	173.43
<i>For 3" WG (Class B), Add</i>	43.36	
<i>For 4" Or 6" WG (Class A), Add</i>	92.49	
<i>For 10" WG (Class A), Add</i>	132.96	
<i>For Work In Restricted Working Space, Add</i>	86.71	
23 31 13 13-0698 LF 36" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.33	177.99
<i>For 3" WG (Class B), Add</i>	44.50	
<i>For 4" Or 6" WG (Class A), Add</i>	94.93	
<i>For 10" WG (Class A), Add</i>	136.46	
<i>For Work In Restricted Working Space, Add</i>	89.00	
23 31 13 13-0699 LF 36" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	340.87	182.56
<i>For 3" WG (Class B), Add</i>	45.64	
<i>For 4" Or 6" WG (Class A), Add</i>	97.36	
<i>For 10" WG (Class A), Add</i>	139.96	
<i>For Work In Restricted Working Space, Add</i>	91.28	
23 31 13 13-0700 LF 36" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	349.37	187.12
<i>For 3" WG (Class B), Add</i>	46.78	
<i>For 4" Or 6" WG (Class A), Add</i>	99.80	
<i>For 10" WG (Class A), Add</i>	143.46	
<i>For Work In Restricted Working Space, Add</i>	93.56	
23 31 13 13-0701 LF 36" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	357.90	191.68
<i>For 3" WG (Class B), Add</i>	47.92	
<i>For 4" Or 6" WG (Class A), Add</i>	102.23	
<i>For 10" WG (Class A), Add</i>	146.96	
<i>For Work In Restricted Working Space, Add</i>	95.84	
23 31 13 13-0702 LF 38" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	323.80	173.43
<i>For 3" WG (Class B), Add</i>	43.36	
<i>For 4" Or 6" WG (Class A), Add</i>	92.49	
<i>For 10" WG (Class A), Add</i>	132.96	
<i>For Work In Restricted Working Space, Add</i>	86.71	
23 31 13 13-0703 LF 38" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.33	177.99
<i>For 3" WG (Class B), Add</i>	44.50	
<i>For 4" Or 6" WG (Class A), Add</i>	94.93	
<i>For 10" WG (Class A), Add</i>	136.46	
<i>For Work In Restricted Working Space, Add</i>	89.00	
23 31 13 13-0704 LF 38" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	340.87	182.56
<i>For 3" WG (Class B), Add</i>	45.64	
<i>For 4" Or 6" WG (Class A), Add</i>	97.36	
<i>For 10" WG (Class A), Add</i>	139.96	
<i>For Work In Restricted Working Space, Add</i>	91.28	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0705	LF	38" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	349.37	187.12
			<i>For 3" WG (Class B), Add</i>	46.78	
			<i>For 4" Or 6" WG (Class A), Add</i>	99.80	
			<i>For 10" WG (Class A), Add</i>	143.46	
			<i>For Work In Restricted Working Space, Add</i>	93.56	
23 31	13 13-0706	LF	38" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	357.90	191.68
			<i>For 3" WG (Class B), Add</i>	47.92	
			<i>For 4" Or 6" WG (Class A), Add</i>	102.23	
			<i>For 10" WG (Class A), Add</i>	146.96	
			<i>For Work In Restricted Working Space, Add</i>	95.84	
23 31	13 13-0707	LF	38" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	366.43	196.25
			<i>For 3" WG (Class B), Add</i>	49.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	104.67	
			<i>For 10" WG (Class A), Add</i>	150.46	
			<i>For Work In Restricted Working Space, Add</i>	98.12	
23 31	13 13-0708	LF	38" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	374.95	200.82
			<i>For 3" WG (Class B), Add</i>	50.20	
			<i>For 4" Or 6" WG (Class A), Add</i>	107.10	
			<i>For 10" WG (Class A), Add</i>	153.96	
			<i>For Work In Restricted Working Space, Add</i>	100.41	
23 31	13 13-0709	LF	40" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	340.87	182.56
			<i>For 3" WG (Class B), Add</i>	45.64	
			<i>For 4" Or 6" WG (Class A), Add</i>	97.36	
			<i>For 10" WG (Class A), Add</i>	139.96	
			<i>For Work In Restricted Working Space, Add</i>	91.28	
23 31	13 13-0710	LF	40" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	349.37	187.12
			<i>For 3" WG (Class B), Add</i>	46.78	
			<i>For 4" Or 6" WG (Class A), Add</i>	99.80	
			<i>For 10" WG (Class A), Add</i>	143.46	
			<i>For Work In Restricted Working Space, Add</i>	93.56	
23 31	13 13-0711	LF	40" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	357.90	191.68
			<i>For 3" WG (Class B), Add</i>	47.92	
			<i>For 4" Or 6" WG (Class A), Add</i>	102.23	
			<i>For 10" WG (Class A), Add</i>	146.96	
			<i>For Work In Restricted Working Space, Add</i>	95.84	
23 31	13 13-0712	LF	40" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	366.43	196.25
			<i>For 3" WG (Class B), Add</i>	49.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	104.67	
			<i>For 10" WG (Class A), Add</i>	150.46	
			<i>For Work In Restricted Working Space, Add</i>	98.12	
23 31	13 13-0713	LF	40" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	374.95	200.82
			<i>For 3" WG (Class B), Add</i>	50.20	
			<i>For 4" Or 6" WG (Class A), Add</i>	107.10	
			<i>For 10" WG (Class A), Add</i>	153.96	
			<i>For Work In Restricted Working Space, Add</i>	100.41	
23 31	13 13-0714	LF	40" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	383.47	205.37
			<i>For 3" WG (Class B), Add</i>	51.34	
			<i>For 4" Or 6" WG (Class A), Add</i>	109.53	
			<i>For 10" WG (Class A), Add</i>	157.45	
			<i>For Work In Restricted Working Space, Add</i>	102.69	
23 31	13 13-0715	LF	40" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	391.98	209.95
			<i>For 3" WG (Class B), Add</i>	52.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	111.97	
			<i>For 10" WG (Class A), Add</i>	160.95	
			<i>For Work In Restricted Working Space, Add</i>	104.97	
23 31	13 13-0716	LF	40" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	400.51	214.50
			<i>For 3" WG (Class B), Add</i>	53.63	
			<i>For 4" Or 6" WG (Class A), Add</i>	114.40	
			<i>For 10" WG (Class A), Add</i>	164.45	
			<i>For Work In Restricted Working Space, Add</i>	107.25	
23 31	13 13-0717	LF	40" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	409.04	219.07
			<i>For 3" WG (Class B), Add</i>	54.77	
			<i>For 4" Or 6" WG (Class A), Add</i>	116.84	
			<i>For 10" WG (Class A), Add</i>	167.95	
			<i>For Work In Restricted Working Space, Add</i>	109.53	
23 31	13 13-0718	LF	42" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	357.90	191.68
			<i>For 3" WG (Class B), Add</i>	47.92	
			<i>For 4" Or 6" WG (Class A), Add</i>	102.23	
			<i>For 10" WG (Class A), Add</i>	146.96	
			<i>For Work In Restricted Working Space, Add</i>	95.84	
23 31	13 13-0719	LF	42" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	366.43	196.25
			<i>For 3" WG (Class B), Add</i>	49.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	104.67	
			<i>For 10" WG (Class A), Add</i>	150.46	
			<i>For Work In Restricted Working Space, Add</i>	98.12	
23 31	13 13-0720	LF	42" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	374.95	200.82
			<i>For 3" WG (Class B), Add</i>	50.20	
			<i>For 4" Or 6" WG (Class A), Add</i>	107.10	
			<i>For 10" WG (Class A), Add</i>	153.96	
			<i>For Work In Restricted Working Space, Add</i>	100.41	
23 31	13 13-0721	LF	42" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	383.47	205.37
			<i>For 3" WG (Class B), Add</i>	51.34	
			<i>For 4" Or 6" WG (Class A), Add</i>	109.53	
			<i>For 10" WG (Class A), Add</i>	157.45	
			<i>For Work In Restricted Working Space, Add</i>	102.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0722 LF 42" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	391.98	209.95
<i>For 3" WG (Class B), Add</i>	52.49	
<i>For 4" Or 6" WG (Class A), Add</i>	111.97	
<i>For 10" WG (Class A), Add</i>	160.95	
<i>For Work In Restricted Working Space, Add</i>	104.97	
23 31 13 13-0723 LF 42" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	400.51	214.50
<i>For 3" WG (Class B), Add</i>	53.63	
<i>For 4" Or 6" WG (Class A), Add</i>	114.40	
<i>For 10" WG (Class A), Add</i>	164.45	
<i>For Work In Restricted Working Space, Add</i>	107.25	
23 31 13 13-0724 LF 42" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	409.04	219.07
<i>For 3" WG (Class B), Add</i>	54.77	
<i>For 4" Or 6" WG (Class A), Add</i>	116.84	
<i>For 10" WG (Class A), Add</i>	167.95	
<i>For Work In Restricted Working Space, Add</i>	109.53	
23 31 13 13-0725 LF 42" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	417.54	223.63
<i>For 3" WG (Class B), Add</i>	55.91	
<i>For 4" Or 6" WG (Class A), Add</i>	119.27	
<i>For 10" WG (Class A), Add</i>	171.45	
<i>For Work In Restricted Working Space, Add</i>	111.81	
23 31 13 13-0726 LF 44" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	374.95	200.82
<i>For 3" WG (Class B), Add</i>	50.20	
<i>For 4" Or 6" WG (Class A), Add</i>	107.10	
<i>For 10" WG (Class A), Add</i>	153.96	
<i>For Work In Restricted Working Space, Add</i>	100.41	
23 31 13 13-0727 LF 44" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	383.47	205.37
<i>For 3" WG (Class B), Add</i>	51.34	
<i>For 4" Or 6" WG (Class A), Add</i>	109.53	
<i>For 10" WG (Class A), Add</i>	157.45	
<i>For Work In Restricted Working Space, Add</i>	102.69	
23 31 13 13-0728 LF 44" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	391.98	209.95
<i>For 3" WG (Class B), Add</i>	52.49	
<i>For 4" Or 6" WG (Class A), Add</i>	111.97	
<i>For 10" WG (Class A), Add</i>	160.95	
<i>For Work In Restricted Working Space, Add</i>	104.97	
23 31 13 13-0729 LF 44" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	400.51	214.50
<i>For 3" WG (Class B), Add</i>	53.63	
<i>For 4" Or 6" WG (Class A), Add</i>	114.40	
<i>For 10" WG (Class A), Add</i>	164.45	
<i>For Work In Restricted Working Space, Add</i>	107.25	
23 31 13 13-0730 LF 44" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	409.04	219.07
<i>For 3" WG (Class B), Add</i>	54.77	
<i>For 4" Or 6" WG (Class A), Add</i>	116.84	
<i>For 10" WG (Class A), Add</i>	167.95	
<i>For Work In Restricted Working Space, Add</i>	109.53	
23 31 13 13-0731 LF 44" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	417.54	223.63
<i>For 3" WG (Class B), Add</i>	55.91	
<i>For 4" Or 6" WG (Class A), Add</i>	119.27	
<i>For 10" WG (Class A), Add</i>	171.45	
<i>For Work In Restricted Working Space, Add</i>	111.81	
23 31 13 13-0732 LF 44" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	426.08	228.20
<i>For 3" WG (Class B), Add</i>	57.05	
<i>For 4" Or 6" WG (Class A), Add</i>	121.71	
<i>For 10" WG (Class A), Add</i>	174.95	
<i>For Work In Restricted Working Space, Add</i>	114.10	
23 31 13 13-0733 LF 46" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	391.98	209.95
<i>For 3" WG (Class B), Add</i>	52.49	
<i>For 4" Or 6" WG (Class A), Add</i>	111.97	
<i>For 10" WG (Class A), Add</i>	160.95	
<i>For Work In Restricted Working Space, Add</i>	104.97	
23 31 13 13-0734 LF 46" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	400.51	214.50
<i>For 3" WG (Class B), Add</i>	53.63	
<i>For 4" Or 6" WG (Class A), Add</i>	114.40	
<i>For 10" WG (Class A), Add</i>	164.45	
<i>For Work In Restricted Working Space, Add</i>	107.25	
23 31 13 13-0735 LF 46" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	409.04	219.07
<i>For 3" WG (Class B), Add</i>	54.77	
<i>For 4" Or 6" WG (Class A), Add</i>	116.84	
<i>For 10" WG (Class A), Add</i>	167.95	
<i>For Work In Restricted Working Space, Add</i>	109.53	
23 31 13 13-0736 LF 46" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	417.54	223.63
<i>For 3" WG (Class B), Add</i>	55.91	
<i>For 4" Or 6" WG (Class A), Add</i>	119.27	
<i>For 10" WG (Class A), Add</i>	171.45	
<i>For Work In Restricted Working Space, Add</i>	111.81	
23 31 13 13-0737 LF 46" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	426.08	228.20
<i>For 3" WG (Class B), Add</i>	57.05	
<i>For 4" Or 6" WG (Class A), Add</i>	121.71	
<i>For 10" WG (Class A), Add</i>	174.95	
<i>For Work In Restricted Working Space, Add</i>	114.10	
23 31 13 13-0738 LF 46" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	442.21	237.33
<i>For 3" WG (Class B), Add</i>	59.33	
<i>For 4" Or 6" WG (Class A), Add</i>	126.57	
<i>For 10" WG (Class A), Add</i>	181.94	
<i>For Work In Restricted Working Space, Add</i>	118.66	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0739	LF	46" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	450.72	241.89
			For 3" WG (Class B), Add	60.47	
			For 4" Or 6" WG (Class A), Add	129.00	
			For 10" WG (Class A), Add	185.44	
			For Work In Restricted Working Space, Add	120.94	
23 31	13 13-0740	LF	48" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	409.04	219.07
			For 3" WG (Class B), Add	54.77	
			For 4" Or 6" WG (Class A), Add	116.84	
			For 10" WG (Class A), Add	167.95	
			For Work In Restricted Working Space, Add	109.53	
23 31	13 13-0741	LF	48" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	417.54	223.63
			For 3" WG (Class B), Add	55.91	
			For 4" Or 6" WG (Class A), Add	119.27	
			For 10" WG (Class A), Add	171.45	
			For Work In Restricted Working Space, Add	111.81	
23 31	13 13-0742	LF	48" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	426.08	228.20
			For 3" WG (Class B), Add	57.05	
			For 4" Or 6" WG (Class A), Add	121.71	
			For 10" WG (Class A), Add	174.95	
			For Work In Restricted Working Space, Add	114.10	
23 31	13 13-0743	LF	48" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	434.61	232.75
			For 3" WG (Class B), Add	58.19	
			For 4" Or 6" WG (Class A), Add	124.14	
			For 10" WG (Class A), Add	178.45	
			For Work In Restricted Working Space, Add	116.38	
23 31	13 13-0744	LF	48" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	443.11	237.33
			For 3" WG (Class B), Add	59.33	
			For 4" Or 6" WG (Class A), Add	126.57	
			For 10" WG (Class A), Add	181.94	
			For Work In Restricted Working Space, Add	118.66	
23 31	13 13-0745	LF	48" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	451.64	241.89
			For 3" WG (Class B), Add	60.47	
			For 4" Or 6" WG (Class A), Add	129.00	
			For 10" WG (Class A), Add	185.44	
			For Work In Restricted Working Space, Add	120.94	
23 31	13 13-0746	LF	48" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	460.15	246.45
			For 3" WG (Class B), Add	61.61	
			For 4" Or 6" WG (Class A), Add	131.44	
			For 10" WG (Class A), Add	188.94	
			For Work In Restricted Working Space, Add	123.22	
23 31	13 13-0747	LF	50" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	426.08	228.20
			For 3" WG (Class B), Add	57.05	
			For 4" Or 6" WG (Class A), Add	121.71	
			For 10" WG (Class A), Add	174.95	
			For Work In Restricted Working Space, Add	114.10	
23 31	13 13-0748	LF	50" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	434.61	232.75
			For 3" WG (Class B), Add	58.19	
			For 4" Or 6" WG (Class A), Add	124.14	
			For 10" WG (Class A), Add	178.45	
			For Work In Restricted Working Space, Add	116.38	
23 31	13 13-0749	LF	50" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	443.11	237.33
			For 3" WG (Class B), Add	59.33	
			For 4" Or 6" WG (Class A), Add	126.57	
			For 10" WG (Class A), Add	181.94	
			For Work In Restricted Working Space, Add	118.66	
23 31	13 13-0750	LF	50" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	451.64	241.89
			For 3" WG (Class B), Add	60.47	
			For 4" Or 6" WG (Class A), Add	129.00	
			For 10" WG (Class A), Add	185.44	
			For Work In Restricted Working Space, Add	120.94	
23 31	13 13-0751	LF	50" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	460.15	246.45
			For 3" WG (Class B), Add	61.61	
			For 4" Or 6" WG (Class A), Add	131.44	
			For 10" WG (Class A), Add	188.94	
			For Work In Restricted Working Space, Add	123.22	
23 31	13 13-0752	LF	50" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	468.68	251.02
			For 3" WG (Class B), Add	62.75	
			For 4" Or 6" WG (Class A), Add	133.87	
			For 10" WG (Class A), Add	192.44	
			For Work In Restricted Working Space, Add	125.51	
23 31	13 13-0753	LF	52" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	443.11	237.33
			For 3" WG (Class B), Add	59.33	
			For 4" Or 6" WG (Class A), Add	126.57	
			For 10" WG (Class A), Add	181.94	
			For Work In Restricted Working Space, Add	118.66	
23 31	13 13-0754	LF	52" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	451.64	241.89
			For 3" WG (Class B), Add	60.47	
			For 4" Or 6" WG (Class A), Add	129.00	
			For 10" WG (Class A), Add	185.44	
			For Work In Restricted Working Space, Add	120.94	
23 31	13 13-0755	LF	52" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	460.15	246.45
			For 3" WG (Class B), Add	61.61	
			For 4" Or 6" WG (Class A), Add	131.44	
			For 10" WG (Class A), Add	188.94	
			For Work In Restricted Working Space, Add	123.22	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0756 LF 52" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	468.68	251.02
<i>For 3" WG (Class B), Add</i>	62.75	
<i>For 4" Or 6" WG (Class A), Add</i>	133.87	
<i>For 10" WG (Class A), Add</i>	192.44	
<i>For Work In Restricted Working Space, Add</i>	125.51	
23 31 13 13-0757 LF 52" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	477.22	255.58
<i>For 3" WG (Class B), Add</i>	63.90	
<i>For 4" Or 6" WG (Class A), Add</i>	136.31	
<i>For 10" WG (Class A), Add</i>	195.95	
<i>For Work In Restricted Working Space, Add</i>	127.79	
23 31 13 13-0758 LF 54" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	460.15	246.45
<i>For 3" WG (Class B), Add</i>	61.61	
<i>For 4" Or 6" WG (Class A), Add</i>	131.44	
<i>For 10" WG (Class A), Add</i>	188.94	
<i>For Work In Restricted Working Space, Add</i>	123.22	
23 31 13 13-0759 LF 54" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	468.68	251.02
<i>For 3" WG (Class B), Add</i>	62.75	
<i>For 4" Or 6" WG (Class A), Add</i>	133.87	
<i>For 10" WG (Class A), Add</i>	192.44	
<i>For Work In Restricted Working Space, Add</i>	125.51	
23 31 13 13-0760 LF 54" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	477.22	255.58
<i>For 3" WG (Class B), Add</i>	63.90	
<i>For 4" Or 6" WG (Class A), Add</i>	136.31	
<i>For 10" WG (Class A), Add</i>	195.95	
<i>For Work In Restricted Working Space, Add</i>	127.79	
23 31 13 13-0761 LF 54" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	485.72	260.14
<i>For 3" WG (Class B), Add</i>	65.04	
<i>For 4" Or 6" WG (Class A), Add</i>	138.74	
<i>For 10" WG (Class A), Add</i>	199.44	
<i>For Work In Restricted Working Space, Add</i>	130.07	
23 31 13 13-0762 LF 54" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	494.25	264.70
<i>For 3" WG (Class B), Add</i>	66.18	
<i>For 4" Or 6" WG (Class A), Add</i>	141.18	
<i>For 10" WG (Class A), Add</i>	202.94	
<i>For Work In Restricted Working Space, Add</i>	132.35	
23 31 13 13-0763 LF 54" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	502.76	269.27
<i>For 3" WG (Class B), Add</i>	67.32	
<i>For 4" Or 6" WG (Class A), Add</i>	143.61	
<i>For 10" WG (Class A), Add</i>	206.44	
<i>For Work In Restricted Working Space, Add</i>	134.63	
23 31 13 13-0764 LF 56" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	477.22	255.58
<i>For 3" WG (Class B), Add</i>	63.90	
<i>For 4" Or 6" WG (Class A), Add</i>	136.31	
<i>For 10" WG (Class A), Add</i>	195.95	
<i>For Work In Restricted Working Space, Add</i>	127.79	
23 31 13 13-0765 LF 56" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	485.72	260.14
<i>For 3" WG (Class B), Add</i>	65.04	
<i>For 4" Or 6" WG (Class A), Add</i>	138.74	
<i>For 10" WG (Class A), Add</i>	199.44	
<i>For Work In Restricted Working Space, Add</i>	130.07	
23 31 13 13-0766 LF 56" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	494.25	264.70
<i>For 3" WG (Class B), Add</i>	66.18	
<i>For 4" Or 6" WG (Class A), Add</i>	141.18	
<i>For 10" WG (Class A), Add</i>	202.94	
<i>For Work In Restricted Working Space, Add</i>	132.35	
23 31 13 13-0767 LF 56" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	502.76	269.27
<i>For 3" WG (Class B), Add</i>	67.32	
<i>For 4" Or 6" WG (Class A), Add</i>	143.61	
<i>For 10" WG (Class A), Add</i>	206.44	
<i>For Work In Restricted Working Space, Add</i>	134.63	
23 31 13 13-0768 LF 56" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	511.29	273.82
<i>For 3" WG (Class B), Add</i>	68.46	
<i>For 4" Or 6" WG (Class A), Add</i>	146.04	
<i>For 10" WG (Class A), Add</i>	209.94	
<i>For Work In Restricted Working Space, Add</i>	136.92	
23 31 13 13-0769 LF 58" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	494.25	264.70
<i>For 3" WG (Class B), Add</i>	66.18	
<i>For 4" Or 6" WG (Class A), Add</i>	141.18	
<i>For 10" WG (Class A), Add</i>	202.94	
<i>For Work In Restricted Working Space, Add</i>	132.35	
23 31 13 13-0770 LF 58" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	502.76	269.27
<i>For 3" WG (Class B), Add</i>	67.32	
<i>For 4" Or 6" WG (Class A), Add</i>	143.61	
<i>For 10" WG (Class A), Add</i>	206.44	
<i>For Work In Restricted Working Space, Add</i>	134.63	
23 31 13 13-0771 LF 58" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	511.29	273.82
<i>For 3" WG (Class B), Add</i>	68.46	
<i>For 4" Or 6" WG (Class A), Add</i>	146.04	
<i>For 10" WG (Class A), Add</i>	209.94	
<i>For Work In Restricted Working Space, Add</i>	136.92	
23 31 13 13-0772 LF 58" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	519.81	278.40
<i>For 3" WG (Class B), Add</i>	69.60	
<i>For 4" Or 6" WG (Class A), Add</i>	148.48	
<i>For 10" WG (Class A), Add</i>	213.44	
<i>For Work In Restricted Working Space, Add</i>	139.20	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0773	LF	58" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	528.33	282.96
			<i>For 3" WG (Class B), Add</i>	70.74	
			<i>For 4" Or 6" WG (Class A), Add</i>	150.91	
			<i>For 10" WG (Class A), Add</i>	216.94	
			<i>For Work In Restricted Working Space, Add</i>	141.48	
23 31	13 13-0774	LF	60" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	511.29	273.82
			<i>For 3" WG (Class B), Add</i>	68.46	
			<i>For 4" Or 6" WG (Class A), Add</i>	146.04	
			<i>For 10" WG (Class A), Add</i>	209.94	
			<i>For Work In Restricted Working Space, Add</i>	136.92	
23 31	13 13-0775	LF	60" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	519.81	278.40
			<i>For 3" WG (Class B), Add</i>	69.60	
			<i>For 4" Or 6" WG (Class A), Add</i>	148.48	
			<i>For 10" WG (Class A), Add</i>	213.44	
			<i>For Work In Restricted Working Space, Add</i>	139.20	
23 31	13 13-0776	LF	60" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	528.33	282.96
			<i>For 3" WG (Class B), Add</i>	70.74	
			<i>For 4" Or 6" WG (Class A), Add</i>	150.91	
			<i>For 10" WG (Class A), Add</i>	216.94	
			<i>For Work In Restricted Working Space, Add</i>	141.48	
23 31	13 13-0777	LF	60" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	536.87	287.52
			<i>For 3" WG (Class B), Add</i>	71.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	153.35	
			<i>For 10" WG (Class A), Add</i>	220.44	
			<i>For Work In Restricted Working Space, Add</i>	143.77	
23 31	13 13-0778	LF	60" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	545.39	292.09
			<i>For 3" WG (Class B), Add</i>	73.02	
			<i>For 4" Or 6" WG (Class A), Add</i>	155.78	
			<i>For 10" WG (Class A), Add</i>	223.94	
			<i>For Work In Restricted Working Space, Add</i>	146.05	
23 31	13 13-0779	LF	62" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	528.33	282.96
			<i>For 3" WG (Class B), Add</i>	70.74	
			<i>For 4" Or 6" WG (Class A), Add</i>	150.91	
			<i>For 10" WG (Class A), Add</i>	216.94	
			<i>For Work In Restricted Working Space, Add</i>	141.48	
23 31	13 13-0780	LF	62" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	536.87	287.52
			<i>For 3" WG (Class B), Add</i>	71.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	153.35	
			<i>For 10" WG (Class A), Add</i>	220.44	
			<i>For Work In Restricted Working Space, Add</i>	143.77	
23 31	13 13-0781	LF	62" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	545.39	292.09
			<i>For 3" WG (Class B), Add</i>	73.02	
			<i>For 4" Or 6" WG (Class A), Add</i>	155.78	
			<i>For 10" WG (Class A), Add</i>	223.94	
			<i>For Work In Restricted Working Space, Add</i>	146.05	
23 31	13 13-0782	LF	62" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	553.89	296.65
			<i>For 3" WG (Class B), Add</i>	74.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	158.21	
			<i>For 10" WG (Class A), Add</i>	227.43	
			<i>For Work In Restricted Working Space, Add</i>	148.33	
23 31	13 13-0783	LF	62" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	562.42	301.21
			<i>For 3" WG (Class B), Add</i>	75.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	160.65	
			<i>For 10" WG (Class A), Add</i>	230.93	
			<i>For Work In Restricted Working Space, Add</i>	150.61	
23 31	13 13-0784	LF	64" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	545.39	292.09
			<i>For 3" WG (Class B), Add</i>	73.02	
			<i>For 4" Or 6" WG (Class A), Add</i>	155.78	
			<i>For 10" WG (Class A), Add</i>	223.94	
			<i>For Work In Restricted Working Space, Add</i>	146.05	
23 31	13 13-0785	LF	64" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	553.89	296.65
			<i>For 3" WG (Class B), Add</i>	74.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	158.21	
			<i>For 10" WG (Class A), Add</i>	227.43	
			<i>For Work In Restricted Working Space, Add</i>	148.33	
23 31	13 13-0786	LF	64" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	562.42	301.21
			<i>For 3" WG (Class B), Add</i>	75.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	160.65	
			<i>For 10" WG (Class A), Add</i>	230.93	
			<i>For Work In Restricted Working Space, Add</i>	150.61	
23 31	13 13-0787	LF	64" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	570.93	305.78
			<i>For 3" WG (Class B), Add</i>	76.44	
			<i>For 4" Or 6" WG (Class A), Add</i>	163.08	
			<i>For 10" WG (Class A), Add</i>	234.43	
			<i>For Work In Restricted Working Space, Add</i>	152.89	
23 31	13 13-0788	LF	66" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	562.42	301.21
			<i>For 3" WG (Class B), Add</i>	75.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	160.65	
			<i>For 10" WG (Class A), Add</i>	230.93	
			<i>For Work In Restricted Working Space, Add</i>	150.61	
23 31	13 13-0789	LF	66" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	570.93	305.78
			<i>For 3" WG (Class B), Add</i>	76.44	
			<i>For 4" Or 6" WG (Class A), Add</i>	163.08	
			<i>For 10" WG (Class A), Add</i>	234.43	
			<i>For Work In Restricted Working Space, Add</i>	152.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0790 LF 66" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	579.45	310.34
<i>For 3" WG (Class B), Add</i>	77.58	
<i>For 4" Or 6" WG (Class A), Add</i>	165.51	
<i>For 10" WG (Class A), Add</i>	237.93	
<i>For Work In Restricted Working Space, Add</i>	155.17	
23 31 13 13-0791 LF 66" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	587.98	314.91
<i>For 3" WG (Class B), Add</i>	78.73	
<i>For 4" Or 6" WG (Class A), Add</i>	167.95	
<i>For 10" WG (Class A), Add</i>	241.43	
<i>For Work In Restricted Working Space, Add</i>	157.45	
23 31 13 13-0792 LF 68" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	579.45	310.34
<i>For 3" WG (Class B), Add</i>	77.58	
<i>For 4" Or 6" WG (Class A), Add</i>	165.51	
<i>For 10" WG (Class A), Add</i>	237.93	
<i>For Work In Restricted Working Space, Add</i>	155.17	
23 31 13 13-0793 LF 68" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	587.98	314.91
<i>For 3" WG (Class B), Add</i>	78.73	
<i>For 4" Or 6" WG (Class A), Add</i>	167.95	
<i>For 10" WG (Class A), Add</i>	241.43	
<i>For Work In Restricted Working Space, Add</i>	157.45	
23 31 13 13-0794 LF 68" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	596.50	319.47
<i>For 3" WG (Class B), Add</i>	79.87	
<i>For 4" Or 6" WG (Class A), Add</i>	170.38	
<i>For 10" WG (Class A), Add</i>	244.93	
<i>For Work In Restricted Working Space, Add</i>	159.74	
23 31 13 13-0795 LF 68" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	605.03	324.04
<i>For 3" WG (Class B), Add</i>	81.01	
<i>For 4" Or 6" WG (Class A), Add</i>	172.82	
<i>For 10" WG (Class A), Add</i>	248.43	
<i>For Work In Restricted Working Space, Add</i>	162.02	
23 31 13 13-0796 LF 70" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	596.50	319.47
<i>For 3" WG (Class B), Add</i>	79.87	
<i>For 4" Or 6" WG (Class A), Add</i>	170.38	
<i>For 10" WG (Class A), Add</i>	244.93	
<i>For Work In Restricted Working Space, Add</i>	159.74	
23 31 13 13-0797 LF 70" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	605.03	324.04
<i>For 3" WG (Class B), Add</i>	81.01	
<i>For 4" Or 6" WG (Class A), Add</i>	172.82	
<i>For 10" WG (Class A), Add</i>	248.43	
<i>For Work In Restricted Working Space, Add</i>	162.02	
23 31 13 13-0798 LF 70" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	613.56	328.59
<i>For 3" WG (Class B), Add</i>	82.15	
<i>For 4" Or 6" WG (Class A), Add</i>	175.25	
<i>For 10" WG (Class A), Add</i>	251.93	
<i>For Work In Restricted Working Space, Add</i>	164.30	
23 31 13 13-0799 LF 70" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	622.07	333.17
<i>For 3" WG (Class B), Add</i>	83.29	
<i>For 4" Or 6" WG (Class A), Add</i>	177.69	
<i>For 10" WG (Class A), Add</i>	255.42	
<i>For Work In Restricted Working Space, Add</i>	166.58	
23 31 13 13-0800 LF 70" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	630.60	337.72
<i>For 3" WG (Class B), Add</i>	84.43	
<i>For 4" Or 6" WG (Class A), Add</i>	180.12	
<i>For 10" WG (Class A), Add</i>	258.92	
<i>For Work In Restricted Working Space, Add</i>	168.86	
23 31 13 13-0801 LF 70" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	639.10	342.29
<i>For 3" WG (Class B), Add</i>	85.57	
<i>For 4" Or 6" WG (Class A), Add</i>	182.55	
<i>For 10" WG (Class A), Add</i>	262.42	
<i>For Work In Restricted Working Space, Add</i>	171.14	
23 31 13 13-0802 LF 70" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	647.64	346.85
<i>For 3" WG (Class B), Add</i>	86.72	
<i>For 4" Or 6" WG (Class A), Add</i>	184.99	
<i>For 10" WG (Class A), Add</i>	265.93	
<i>For Work In Restricted Working Space, Add</i>	173.43	
23 31 13 13-0803 LF 70" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	656.16	351.42
<i>For 3" WG (Class B), Add</i>	87.86	
<i>For 4" Or 6" WG (Class A), Add</i>	187.42	
<i>For 10" WG (Class A), Add</i>	269.42	
<i>For Work In Restricted Working Space, Add</i>	175.71	
23 31 13 13-0804 LF 72" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	613.56	328.59
<i>For 3" WG (Class B), Add</i>	82.15	
<i>For 4" Or 6" WG (Class A), Add</i>	175.25	
<i>For 10" WG (Class A), Add</i>	251.93	
<i>For Work In Restricted Working Space, Add</i>	164.30	
23 31 13 13-0805 LF 72" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	622.07	333.17
<i>For 3" WG (Class B), Add</i>	83.29	
<i>For 4" Or 6" WG (Class A), Add</i>	177.69	
<i>For 10" WG (Class A), Add</i>	255.42	
<i>For Work In Restricted Working Space, Add</i>	166.58	
23 31 13 13-0806 LF 72" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	630.60	337.72
<i>For 3" WG (Class B), Add</i>	84.43	
<i>For 4" Or 6" WG (Class A), Add</i>	180.12	
<i>For 10" WG (Class A), Add</i>	258.92	
<i>For Work In Restricted Working Space, Add</i>	168.86	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0807	LF	72" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	639.10	342.29
			For 3" WG (Class B), Add	85.57	
			For 4" Or 6" WG (Class A), Add	182.55	
			For 10" WG (Class A), Add	262.42	
			For Work In Restricted Working Space, Add	171.14	
23 31	13 13-0808	LF	72" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	647.64	346.85
			For 3" WG (Class B), Add	86.72	
			For 4" Or 6" WG (Class A), Add	184.99	
			For 10" WG (Class A), Add	265.93	
			For Work In Restricted Working Space, Add	173.43	
23 31	13 13-0809	LF	72" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	656.16	351.42
			For 3" WG (Class B), Add	87.86	
			For 4" Or 6" WG (Class A), Add	187.42	
			For 10" WG (Class A), Add	269.42	
			For Work In Restricted Working Space, Add	175.71	
23 31	13 13-0810	LF	72" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	664.68	355.97
			For 3" WG (Class B), Add	89.00	
			For 4" Or 6" WG (Class A), Add	189.86	
			For 10" WG (Class A), Add	272.92	
			For Work In Restricted Working Space, Add	177.99	
23 31	13 13-0811	LF	74" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	630.60	337.72
			For 3" WG (Class B), Add	84.43	
			For 4" Or 6" WG (Class A), Add	180.12	
			For 10" WG (Class A), Add	258.92	
			For Work In Restricted Working Space, Add	168.86	
23 31	13 13-0812	LF	74" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	639.10	342.29
			For 3" WG (Class B), Add	85.57	
			For 4" Or 6" WG (Class A), Add	182.55	
			For 10" WG (Class A), Add	262.42	
			For Work In Restricted Working Space, Add	171.14	
23 31	13 13-0813	LF	74" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	647.64	346.85
			For 3" WG (Class B), Add	86.72	
			For 4" Or 6" WG (Class A), Add	184.99	
			For 10" WG (Class A), Add	265.93	
			For Work In Restricted Working Space, Add	173.43	
23 31	13 13-0814	LF	74" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	656.16	351.42
			For 3" WG (Class B), Add	87.86	
			For 4" Or 6" WG (Class A), Add	187.42	
			For 10" WG (Class A), Add	269.42	
			For Work In Restricted Working Space, Add	175.71	
23 31	13 13-0815	LF	74" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	664.68	355.97
			For 3" WG (Class B), Add	89.00	
			For 4" Or 6" WG (Class A), Add	189.86	
			For 10" WG (Class A), Add	272.92	
			For Work In Restricted Working Space, Add	177.99	
23 31	13 13-0816	LF	74" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	673.20	360.55
			For 3" WG (Class B), Add	90.14	
			For 4" Or 6" WG (Class A), Add	192.29	
			For 10" WG (Class A), Add	276.42	
			For Work In Restricted Working Space, Add	180.27	
23 31	13 13-0817	LF	76" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	647.64	346.85
			For 3" WG (Class B), Add	86.72	
			For 4" Or 6" WG (Class A), Add	184.99	
			For 10" WG (Class A), Add	265.93	
			For Work In Restricted Working Space, Add	173.43	
23 31	13 13-0818	LF	76" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	656.16	351.42
			For 3" WG (Class B), Add	87.86	
			For 4" Or 6" WG (Class A), Add	187.42	
			For 10" WG (Class A), Add	269.42	
			For Work In Restricted Working Space, Add	175.71	
23 31	13 13-0819	LF	76" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	664.68	355.97
			For 3" WG (Class B), Add	89.00	
			For 4" Or 6" WG (Class A), Add	189.86	
			For 10" WG (Class A), Add	272.92	
			For Work In Restricted Working Space, Add	177.99	
23 31	13 13-0820	LF	76" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	673.20	360.55
			For 3" WG (Class B), Add	90.14	
			For 4" Or 6" WG (Class A), Add	192.29	
			For 10" WG (Class A), Add	276.42	
			For Work In Restricted Working Space, Add	180.27	
23 31	13 13-0821	LF	76" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	681.70	365.11
			For 3" WG (Class B), Add	91.28	
			For 4" Or 6" WG (Class A), Add	194.72	
			For 10" WG (Class A), Add	279.91	
			For Work In Restricted Working Space, Add	182.55	
23 31	13 13-0822	LF	78" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	664.68	355.97
			For 3" WG (Class B), Add	89.00	
			For 4" Or 6" WG (Class A), Add	189.86	
			For 10" WG (Class A), Add	272.92	
			For Work In Restricted Working Space, Add	177.99	
23 31	13 13-0823	LF	78" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	673.20	360.55
			For 3" WG (Class B), Add	90.14	
			For 4" Or 6" WG (Class A), Add	192.29	
			For 10" WG (Class A), Add	276.42	
			For Work In Restricted Working Space, Add	180.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0824 LF 78" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	681.70	365.11
<i>For 3" WG (Class B), Add</i>	91.28	
<i>For 4" Or 6" WG (Class A), Add</i>	194.72	
<i>For 10" WG (Class A), Add</i>	279.91	
<i>For Work In Restricted Working Space, Add</i>	182.55	
23 31 13 13-0825 LF 78" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	690.24	369.67
<i>For 3" WG (Class B), Add</i>	92.42	
<i>For 4" Or 6" WG (Class A), Add</i>	197.16	
<i>For 10" WG (Class A), Add</i>	283.42	
<i>For Work In Restricted Working Space, Add</i>	184.84	
23 31 13 13-0826 LF 80" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	681.70	365.11
<i>For 3" WG (Class B), Add</i>	91.28	
<i>For 4" Or 6" WG (Class A), Add</i>	194.72	
<i>For 10" WG (Class A), Add</i>	279.91	
<i>For Work In Restricted Working Space, Add</i>	182.55	
23 31 13 13-0827 LF 80" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	690.24	369.67
<i>For 3" WG (Class B), Add</i>	92.42	
<i>For 4" Or 6" WG (Class A), Add</i>	197.16	
<i>For 10" WG (Class A), Add</i>	283.42	
<i>For Work In Restricted Working Space, Add</i>	184.84	
23 31 13 13-0828 LF 80" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	698.76	374.24
<i>For 3" WG (Class B), Add</i>	93.56	
<i>For 4" Or 6" WG (Class A), Add</i>	199.59	
<i>For 10" WG (Class A), Add</i>	286.91	
<i>For Work In Restricted Working Space, Add</i>	187.12	
23 31 13 13-0829 LF 82" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	698.76	374.24
<i>For 3" WG (Class B), Add</i>	93.56	
<i>For 4" Or 6" WG (Class A), Add</i>	199.59	
<i>For 10" WG (Class A), Add</i>	286.91	
<i>For Work In Restricted Working Space, Add</i>	187.12	
23 31 13 13-0830 LF 82" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	707.28	378.80
<i>For 3" WG (Class B), Add</i>	94.70	
<i>For 4" Or 6" WG (Class A), Add</i>	202.03	
<i>For 10" WG (Class A), Add</i>	290.42	
<i>For Work In Restricted Working Space, Add</i>	189.40	
23 31 13 13-0831 LF 84" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	715.80	383.36
<i>For 3" WG (Class B), Add</i>	95.84	
<i>For 4" Or 6" WG (Class A), Add</i>	204.46	
<i>For 10" WG (Class A), Add</i>	293.91	
<i>For Work In Restricted Working Space, Add</i>	191.68	
<b>23 31 13 13-0832 18 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>		
23 31 13 13-0833 LF 4" x 4", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.39	23.76
<i>For 3" WG (Class B), Add</i>	5.94	
<i>For 4" Or 6" WG (Class A), Add</i>	12.68	
<i>For 10" WG (Class A), Add</i>	18.23	
<i>For Work In Restricted Working Space, Add</i>	11.89	
23 31 13 13-0834 LF 4" x 6", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	55.48	29.71
<i>For 3" WG (Class B), Add</i>	7.43	
<i>For 4" Or 6" WG (Class A), Add</i>	15.85	
<i>For 10" WG (Class A), Add</i>	22.78	
<i>For Work In Restricted Working Space, Add</i>	14.86	
23 31 13 13-0835 LF 4" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	66.55	35.66
<i>For 3" WG (Class B), Add</i>	8.91	
<i>For 4" Or 6" WG (Class A), Add</i>	19.01	
<i>For 10" WG (Class A), Add</i>	27.33	
<i>For Work In Restricted Working Space, Add</i>	17.82	
23 31 13 13-0836 LF 4" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	77.65	41.59
<i>For 3" WG (Class B), Add</i>	10.40	
<i>For 4" Or 6" WG (Class A), Add</i>	22.18	
<i>For 10" WG (Class A), Add</i>	31.89	
<i>For Work In Restricted Working Space, Add</i>	20.80	
23 31 13 13-0837 LF 4" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	88.76	47.54
<i>For 3" WG (Class B), Add</i>	11.88	
<i>For 4" Or 6" WG (Class A), Add</i>	25.35	
<i>For 10" WG (Class A), Add</i>	36.44	
<i>For Work In Restricted Working Space, Add</i>	23.77	
23 31 13 13-0838 LF 4" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	99.84	53.48
<i>For 3" WG (Class B), Add</i>	13.37	
<i>For 4" Or 6" WG (Class A), Add</i>	28.52	
<i>For 10" WG (Class A), Add</i>	41.00	
<i>For Work In Restricted Working Space, Add</i>	26.74	
23 31 13 13-0839 LF 4" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	110.94	59.41
<i>For 3" WG (Class B), Add</i>	14.85	
<i>For 4" Or 6" WG (Class A), Add</i>	31.69	
<i>For 10" WG (Class A), Add</i>	45.55	
<i>For Work In Restricted Working Space, Add</i>	29.71	
23 31 13 13-0840 LF 6" x 6", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	66.55	35.66
<i>For 3" WG (Class B), Add</i>	8.91	
<i>For 4" Or 6" WG (Class A), Add</i>	19.01	
<i>For 10" WG (Class A), Add</i>	27.33	
<i>For Work In Restricted Working Space, Add</i>	17.82	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0841	LF	6" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	77.65	41.59
			For 3" WG (Class B), Add	10.40	
			For 4" Or 6" WG (Class A), Add	22.18	
			For 10" WG (Class A), Add	31.89	
			For Work In Restricted Working Space, Add	20.80	
23 31	13 13-0842	LF	6" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	88.76	47.54
			For 3" WG (Class B), Add	11.88	
			For 4" Or 6" WG (Class A), Add	25.35	
			For 10" WG (Class A), Add	36.44	
			For Work In Restricted Working Space, Add	23.77	
23 31	13 13-0843	LF	6" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	99.84	53.48
			For 3" WG (Class B), Add	13.37	
			For 4" Or 6" WG (Class A), Add	28.52	
			For 10" WG (Class A), Add	41.00	
			For Work In Restricted Working Space, Add	26.74	
23 31	13 13-0844	LF	6" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	110.94	59.41
			For 3" WG (Class B), Add	14.85	
			For 4" Or 6" WG (Class A), Add	31.69	
			For 10" WG (Class A), Add	45.55	
			For Work In Restricted Working Space, Add	29.71	
23 31	13 13-0845	LF	6" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.04	65.36
			For 3" WG (Class B), Add	16.34	
			For 4" Or 6" WG (Class A), Add	34.86	
			For 10" WG (Class A), Add	50.11	
			For Work In Restricted Working Space, Add	32.68	
23 31	13 13-0846	LF	8" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	88.76	47.54
			For 3" WG (Class B), Add	11.88	
			For 4" Or 6" WG (Class A), Add	25.35	
			For 10" WG (Class A), Add	36.44	
			For Work In Restricted Working Space, Add	23.77	
23 31	13 13-0847	LF	8" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	99.84	53.48
			For 3" WG (Class B), Add	13.37	
			For 4" Or 6" WG (Class A), Add	28.52	
			For 10" WG (Class A), Add	41.00	
			For Work In Restricted Working Space, Add	26.74	
23 31	13 13-0848	LF	8" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	110.94	59.41
			For 3" WG (Class B), Add	14.85	
			For 4" Or 6" WG (Class A), Add	31.69	
			For 10" WG (Class A), Add	45.55	
			For Work In Restricted Working Space, Add	29.71	
23 31	13 13-0849	LF	8" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.04	65.36
			For 3" WG (Class B), Add	16.34	
			For 4" Or 6" WG (Class A), Add	34.86	
			For 10" WG (Class A), Add	50.11	
			For Work In Restricted Working Space, Add	32.68	
23 31	13 13-0850	LF	8" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	133.13	71.30
			For 3" WG (Class B), Add	17.83	
			For 4" Or 6" WG (Class A), Add	38.03	
			For 10" WG (Class A), Add	54.67	
			For Work In Restricted Working Space, Add	35.65	
23 31	13 13-0851	LF	8" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.23	77.24
			For 3" WG (Class B), Add	19.31	
			For 4" Or 6" WG (Class A), Add	41.20	
			For 10" WG (Class A), Add	59.22	
			For Work In Restricted Working Space, Add	38.62	
23 31	13 13-0852	LF	8" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	155.32	83.18
			For 3" WG (Class B), Add	20.80	
			For 4" Or 6" WG (Class A), Add	44.36	
			For 10" WG (Class A), Add	63.77	
			For Work In Restricted Working Space, Add	41.59	
23 31	13 13-0853	LF	8" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.42	89.12
			For 3" WG (Class B), Add	22.28	
			For 4" Or 6" WG (Class A), Add	47.54	
			For 10" WG (Class A), Add	68.33	
			For Work In Restricted Working Space, Add	44.57	
23 31	13 13-0854	LF	8" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	177.51	95.07
			For 3" WG (Class B), Add	23.77	
			For 4" Or 6" WG (Class A), Add	50.70	
			For 10" WG (Class A), Add	72.89	
			For Work In Restricted Working Space, Add	47.54	
23 31	13 13-0855	LF	10" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	110.94	59.41
			For 3" WG (Class B), Add	14.85	
			For 4" Or 6" WG (Class A), Add	31.69	
			For 10" WG (Class A), Add	45.55	
			For Work In Restricted Working Space, Add	29.71	
23 31	13 13-0856	LF	10" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.04	65.36
			For 3" WG (Class B), Add	16.34	
			For 4" Or 6" WG (Class A), Add	34.86	
			For 10" WG (Class A), Add	50.11	
			For Work In Restricted Working Space, Add	32.68	
23 31	13 13-0857	LF	10" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	133.13	71.30
			For 3" WG (Class B), Add	17.83	
			For 4" Or 6" WG (Class A), Add	38.03	
			For 10" WG (Class A), Add	54.67	
			For Work In Restricted Working Space, Add	35.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0858 LF 10" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.23	77.24
<i>For 3" WG (Class B), Add</i>	19.31	
<i>For 4" Or 6" WG (Class A), Add</i>	41.20	
<i>For 10" WG (Class A), Add</i>	59.22	
<i>For Work In Restricted Working Space, Add</i>	38.62	
23 31 13 13-0859 LF 10" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	155.32	83.18
<i>For 3" WG (Class B), Add</i>	20.80	
<i>For 4" Or 6" WG (Class A), Add</i>	44.36	
<i>For 10" WG (Class A), Add</i>	63.77	
<i>For Work In Restricted Working Space, Add</i>	41.59	
23 31 13 13-0860 LF 10" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.42	89.12
<i>For 3" WG (Class B), Add</i>	22.28	
<i>For 4" Or 6" WG (Class A), Add</i>	47.54	
<i>For 10" WG (Class A), Add</i>	68.33	
<i>For Work In Restricted Working Space, Add</i>	44.57	
23 31 13 13-0861 LF 10" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	177.51	95.07
<i>For 3" WG (Class B), Add</i>	23.77	
<i>For 4" Or 6" WG (Class A), Add</i>	50.70	
<i>For 10" WG (Class A), Add</i>	72.89	
<i>For Work In Restricted Working Space, Add</i>	47.54	
23 31 13 13-0862 LF 10" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	188.60	101.02
<i>For 3" WG (Class B), Add</i>	25.25	
<i>For 4" Or 6" WG (Class A), Add</i>	53.88	
<i>For 10" WG (Class A), Add</i>	77.45	
<i>For Work In Restricted Working Space, Add</i>	50.51	
23 31 13 13-0863 LF 10" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	199.70	106.96
<i>For 3" WG (Class B), Add</i>	26.74	
<i>For 4" Or 6" WG (Class A), Add</i>	57.04	
<i>For 10" WG (Class A), Add</i>	82.00	
<i>For Work In Restricted Working Space, Add</i>	53.48	
23 31 13 13-0864 LF 10" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	210.80	112.90
<i>For 3" WG (Class B), Add</i>	28.22	
<i>For 4" Or 6" WG (Class A), Add</i>	60.21	
<i>For 10" WG (Class A), Add</i>	86.55	
<i>For Work In Restricted Working Space, Add</i>	56.45	
23 31 13 13-0865 LF 10" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	221.89	118.84
<i>For 3" WG (Class B), Add</i>	29.71	
<i>For 4" Or 6" WG (Class A), Add</i>	63.38	
<i>For 10" WG (Class A), Add</i>	91.11	
<i>For Work In Restricted Working Space, Add</i>	59.42	
23 31 13 13-0866 LF 10" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	232.97	124.78
<i>For 3" WG (Class B), Add</i>	31.19	
<i>For 4" Or 6" WG (Class A), Add</i>	66.55	
<i>For 10" WG (Class A), Add</i>	95.66	
<i>For Work In Restricted Working Space, Add</i>	62.39	
23 31 13 13-0867 LF 12" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	133.13	71.30
<i>For 3" WG (Class B), Add</i>	17.83	
<i>For 4" Or 6" WG (Class A), Add</i>	38.03	
<i>For 10" WG (Class A), Add</i>	54.67	
<i>For Work In Restricted Working Space, Add</i>	35.65	
23 31 13 13-0868 LF 12" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.23	77.24
<i>For 3" WG (Class B), Add</i>	19.31	
<i>For 4" Or 6" WG (Class A), Add</i>	41.20	
<i>For 10" WG (Class A), Add</i>	59.22	
<i>For Work In Restricted Working Space, Add</i>	38.62	
23 31 13 13-0869 LF 12" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	155.32	83.18
<i>For 3" WG (Class B), Add</i>	20.80	
<i>For 4" Or 6" WG (Class A), Add</i>	44.36	
<i>For 10" WG (Class A), Add</i>	63.77	
<i>For Work In Restricted Working Space, Add</i>	41.59	
23 31 13 13-0870 LF 12" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.42	89.12
<i>For 3" WG (Class B), Add</i>	22.28	
<i>For 4" Or 6" WG (Class A), Add</i>	47.54	
<i>For 10" WG (Class A), Add</i>	68.33	
<i>For Work In Restricted Working Space, Add</i>	44.57	
23 31 13 13-0871 LF 12" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	177.51	95.07
<i>For 3" WG (Class B), Add</i>	23.77	
<i>For 4" Or 6" WG (Class A), Add</i>	50.70	
<i>For 10" WG (Class A), Add</i>	72.89	
<i>For Work In Restricted Working Space, Add</i>	47.54	
23 31 13 13-0872 LF 12" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	188.60	101.02
<i>For 3" WG (Class B), Add</i>	25.25	
<i>For 4" Or 6" WG (Class A), Add</i>	53.88	
<i>For 10" WG (Class A), Add</i>	77.45	
<i>For Work In Restricted Working Space, Add</i>	50.51	
23 31 13 13-0873 LF 12" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	199.70	106.96
<i>For 3" WG (Class B), Add</i>	26.74	
<i>For 4" Or 6" WG (Class A), Add</i>	57.04	
<i>For 10" WG (Class A), Add</i>	82.00	
<i>For Work In Restricted Working Space, Add</i>	53.48	
23 31 13 13-0874 LF 12" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	210.80	112.90
<i>For 3" WG (Class B), Add</i>	28.22	
<i>For 4" Or 6" WG (Class A), Add</i>	60.21	
<i>For 10" WG (Class A), Add</i>	86.55	
<i>For Work In Restricted Working Space, Add</i>	56.45	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0875	LF	12" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	221.89	118.84
			<i>For 3" WG (Class B), Add</i>	29.71	
			<i>For 4" Or 6" WG (Class A), Add</i>	63.38	
			<i>For 10" WG (Class A), Add</i>	91.11	
			<i>For Work In Restricted Working Space, Add</i>	59.42	
23 31	13 13-0876	LF	12" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	232.97	124.78
			<i>For 3" WG (Class B), Add</i>	31.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	66.55	
			<i>For 10" WG (Class A), Add</i>	95.66	
			<i>For Work In Restricted Working Space, Add</i>	62.39	
23 31	13 13-0877	LF	12" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	244.06	130.72
			<i>For 3" WG (Class B), Add</i>	32.68	
			<i>For 4" Or 6" WG (Class A), Add</i>	69.72	
			<i>For 10" WG (Class A), Add</i>	100.22	
			<i>For Work In Restricted Working Space, Add</i>	65.36	
23 31	13 13-0878	LF	12" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	255.18	136.66
			<i>For 3" WG (Class B), Add</i>	34.17	
			<i>For 4" Or 6" WG (Class A), Add</i>	72.89	
			<i>For 10" WG (Class A), Add</i>	104.77	
			<i>For Work In Restricted Working Space, Add</i>	68.33	
23 31	13 13-0879	LF	12" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	266.27	142.60
			<i>For 3" WG (Class B), Add</i>	35.65	
			<i>For 4" Or 6" WG (Class A), Add</i>	76.06	
			<i>For 10" WG (Class A), Add</i>	109.33	
			<i>For Work In Restricted Working Space, Add</i>	71.30	
23 31	13 13-0880	LF	14" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	155.32	83.18
			<i>For 3" WG (Class B), Add</i>	20.80	
			<i>For 4" Or 6" WG (Class A), Add</i>	44.36	
			<i>For 10" WG (Class A), Add</i>	63.77	
			<i>For Work In Restricted Working Space, Add</i>	41.59	
23 31	13 13-0881	LF	14" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.42	89.12
			<i>For 3" WG (Class B), Add</i>	22.28	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.54	
			<i>For 10" WG (Class A), Add</i>	68.33	
			<i>For Work In Restricted Working Space, Add</i>	44.57	
23 31	13 13-0882	LF	14" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	177.51	95.07
			<i>For 3" WG (Class B), Add</i>	23.77	
			<i>For 4" Or 6" WG (Class A), Add</i>	50.70	
			<i>For 10" WG (Class A), Add</i>	72.89	
			<i>For Work In Restricted Working Space, Add</i>	47.54	
23 31	13 13-0883	LF	14" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	188.60	101.02
			<i>For 3" WG (Class B), Add</i>	25.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	53.88	
			<i>For 10" WG (Class A), Add</i>	77.45	
			<i>For Work In Restricted Working Space, Add</i>	50.51	
23 31	13 13-0884	LF	14" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	199.70	106.96
			<i>For 3" WG (Class B), Add</i>	26.74	
			<i>For 4" Or 6" WG (Class A), Add</i>	57.04	
			<i>For 10" WG (Class A), Add</i>	82.00	
			<i>For Work In Restricted Working Space, Add</i>	53.48	
23 31	13 13-0885	LF	14" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	210.80	112.90
			<i>For 3" WG (Class B), Add</i>	28.22	
			<i>For 4" Or 6" WG (Class A), Add</i>	60.21	
			<i>For 10" WG (Class A), Add</i>	86.55	
			<i>For Work In Restricted Working Space, Add</i>	56.45	
23 31	13 13-0886	LF	14" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	221.89	118.84
			<i>For 3" WG (Class B), Add</i>	29.71	
			<i>For 4" Or 6" WG (Class A), Add</i>	63.38	
			<i>For 10" WG (Class A), Add</i>	91.11	
			<i>For Work In Restricted Working Space, Add</i>	59.42	
23 31	13 13-0887	LF	14" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	232.97	124.78
			<i>For 3" WG (Class B), Add</i>	31.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	66.55	
			<i>For 10" WG (Class A), Add</i>	95.66	
			<i>For Work In Restricted Working Space, Add</i>	62.39	
23 31	13 13-0888	LF	14" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	244.06	130.72
			<i>For 3" WG (Class B), Add</i>	32.68	
			<i>For 4" Or 6" WG (Class A), Add</i>	69.72	
			<i>For 10" WG (Class A), Add</i>	100.22	
			<i>For Work In Restricted Working Space, Add</i>	65.36	
23 31	13 13-0889	LF	14" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	255.18	136.66
			<i>For 3" WG (Class B), Add</i>	34.17	
			<i>For 4" Or 6" WG (Class A), Add</i>	72.89	
			<i>For 10" WG (Class A), Add</i>	104.77	
			<i>For Work In Restricted Working Space, Add</i>	68.33	
23 31	13 13-0890	LF	14" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	266.27	142.60
			<i>For 3" WG (Class B), Add</i>	35.65	
			<i>For 4" Or 6" WG (Class A), Add</i>	76.06	
			<i>For 10" WG (Class A), Add</i>	109.33	
			<i>For Work In Restricted Working Space, Add</i>	71.30	
23 31	13 13-0891	LF	14" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	277.36	148.55
			<i>For 3" WG (Class B), Add</i>	37.14	
			<i>For 4" Or 6" WG (Class A), Add</i>	79.23	
			<i>For 10" WG (Class A), Add</i>	113.89	
			<i>For Work In Restricted Working Space, Add</i>	74.27	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0892 LF 16" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	177.51	95.07
<i>For 3" WG (Class B), Add</i>	23.77	
<i>For 4" Or 6" WG (Class A), Add</i>	50.70	
<i>For 10" WG (Class A), Add</i>	72.89	
<i>For Work In Restricted Working Space, Add</i>	47.54	
23 31 13 13-0893 LF 16" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	188.60	101.02
<i>For 3" WG (Class B), Add</i>	25.25	
<i>For 4" Or 6" WG (Class A), Add</i>	53.88	
<i>For 10" WG (Class A), Add</i>	77.45	
<i>For Work In Restricted Working Space, Add</i>	50.51	
23 31 13 13-0894 LF 16" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	199.70	106.96
<i>For 3" WG (Class B), Add</i>	26.74	
<i>For 4" Or 6" WG (Class A), Add</i>	57.04	
<i>For 10" WG (Class A), Add</i>	82.00	
<i>For Work In Restricted Working Space, Add</i>	53.48	
23 31 13 13-0895 LF 16" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	210.80	112.90
<i>For 3" WG (Class B), Add</i>	28.22	
<i>For 4" Or 6" WG (Class A), Add</i>	60.21	
<i>For 10" WG (Class A), Add</i>	86.55	
<i>For Work In Restricted Working Space, Add</i>	56.45	
23 31 13 13-0896 LF 16" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	221.89	118.84
<i>For 3" WG (Class B), Add</i>	29.71	
<i>For 4" Or 6" WG (Class A), Add</i>	63.38	
<i>For 10" WG (Class A), Add</i>	91.11	
<i>For Work In Restricted Working Space, Add</i>	59.42	
23 31 13 13-0897 LF 16" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	232.97	124.78
<i>For 3" WG (Class B), Add</i>	31.19	
<i>For 4" Or 6" WG (Class A), Add</i>	66.55	
<i>For 10" WG (Class A), Add</i>	95.66	
<i>For Work In Restricted Working Space, Add</i>	62.39	
23 31 13 13-0898 LF 16" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	244.06	130.72
<i>For 3" WG (Class B), Add</i>	32.68	
<i>For 4" Or 6" WG (Class A), Add</i>	69.72	
<i>For 10" WG (Class A), Add</i>	100.22	
<i>For Work In Restricted Working Space, Add</i>	65.36	
23 31 13 13-0899 LF 16" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	255.18	136.66
<i>For 3" WG (Class B), Add</i>	34.17	
<i>For 4" Or 6" WG (Class A), Add</i>	72.89	
<i>For 10" WG (Class A), Add</i>	104.77	
<i>For Work In Restricted Working Space, Add</i>	68.33	
23 31 13 13-0900 LF 16" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	266.27	142.60
<i>For 3" WG (Class B), Add</i>	35.65	
<i>For 4" Or 6" WG (Class A), Add</i>	76.06	
<i>For 10" WG (Class A), Add</i>	109.33	
<i>For Work In Restricted Working Space, Add</i>	71.30	
23 31 13 13-0901 LF 16" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	277.36	148.55
<i>For 3" WG (Class B), Add</i>	37.14	
<i>For 4" Or 6" WG (Class A), Add</i>	79.23	
<i>For 10" WG (Class A), Add</i>	113.89	
<i>For Work In Restricted Working Space, Add</i>	74.27	
23 31 13 13-0902 LF 16" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	288.45	154.48
<i>For 3" WG (Class B), Add</i>	38.62	
<i>For 4" Or 6" WG (Class A), Add</i>	82.39	
<i>For 10" WG (Class A), Add</i>	118.44	
<i>For Work In Restricted Working Space, Add</i>	77.24	
23 31 13 13-0903 LF 16" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	299.55	160.42
<i>For 3" WG (Class B), Add</i>	40.11	
<i>For 4" Or 6" WG (Class A), Add</i>	85.56	
<i>For 10" WG (Class A), Add</i>	123.00	
<i>For Work In Restricted Working Space, Add</i>	80.22	
23 31 13 13-0904 LF 16" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	310.65	166.38
<i>For 3" WG (Class B), Add</i>	41.59	
<i>For 4" Or 6" WG (Class A), Add</i>	88.73	
<i>For 10" WG (Class A), Add</i>	127.55	
<i>For Work In Restricted Working Space, Add</i>	83.19	
23 31 13 13-0905 LF 16" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	321.73	172.32
<i>For 3" WG (Class B), Add</i>	43.08	
<i>For 4" Or 6" WG (Class A), Add</i>	91.90	
<i>For 10" WG (Class A), Add</i>	132.10	
<i>For Work In Restricted Working Space, Add</i>	86.15	
23 31 13 13-0906 LF 16" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.83	178.25
<i>For 3" WG (Class B), Add</i>	44.56	
<i>For 4" Or 6" WG (Class A), Add</i>	95.07	
<i>For 10" WG (Class A), Add</i>	136.66	
<i>For Work In Restricted Working Space, Add</i>	89.13	
23 31 13 13-0907 LF 18" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	199.70	106.96
<i>For 3" WG (Class B), Add</i>	26.74	
<i>For 4" Or 6" WG (Class A), Add</i>	57.04	
<i>For 10" WG (Class A), Add</i>	82.00	
<i>For Work In Restricted Working Space, Add</i>	53.48	
23 31 13 13-0908 LF 18" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	210.80	112.90
<i>For 3" WG (Class B), Add</i>	28.22	
<i>For 4" Or 6" WG (Class A), Add</i>	60.21	
<i>For 10" WG (Class A), Add</i>	86.55	
<i>For Work In Restricted Working Space, Add</i>	56.45	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-0909	LF 18" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	221.89 29.71 63.38 91.11 59.42	118.84
23 31	13	13-0910	LF 18" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	232.97 31.19 66.55 95.66 62.39	124.78
23 31	13	13-0911	LF 18" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	244.06 32.68 69.72 100.22 65.36	130.72
23 31	13	13-0912	LF 18" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	255.18 34.17 72.89 104.77 68.33	136.66
23 31	13	13-0913	LF 18" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	266.27 35.65 76.06 109.33 71.30	142.60
23 31	13	13-0914	LF 18" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	277.36 37.14 79.23 113.89 74.27	148.55
23 31	13	13-0915	LF 18" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	288.45 38.62 82.39 118.44 77.24	154.48
23 31	13	13-0916	LF 18" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	299.55 40.11 85.56 123.00 80.22	160.42
23 31	13	13-0917	LF 18" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	310.65 41.59 88.73 127.55 83.19	166.38
23 31	13	13-0918	LF 18" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	321.73 43.08 91.90 132.10 86.15	172.32
23 31	13	13-0919	LF 18" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	332.83 44.56 95.07 136.66 89.13	178.25
23 31	13	13-0920	LF 18" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	343.93 46.05 98.24 141.22 92.10	184.20
23 31	13	13-0921	LF 18" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	355.03 47.54 101.41 145.77 95.07	190.14
23 31	13	13-0922	LF 20" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	221.89 29.71 63.38 91.11 59.42	118.84
23 31	13	13-0923	LF 20" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	232.97 31.19 66.55 95.66 62.39	124.78
23 31	13	13-0924	LF 20" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	244.06 32.68 69.72 100.22 65.36	130.72
23 31	13	13-0925	LF 20" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	255.18 34.17 72.89 104.77 68.33	136.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0926 LF 20" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	266.27	142.60
<i>For 3" WG (Class B), Add</i>	35.65	
<i>For 4" Or 6" WG (Class A), Add</i>	76.06	
<i>For 10" WG (Class A), Add</i>	109.33	
<i>For Work In Restricted Working Space, Add</i>	71.30	
23 31 13 13-0927 LF 20" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	277.36	148.55
<i>For 3" WG (Class B), Add</i>	37.14	
<i>For 4" Or 6" WG (Class A), Add</i>	79.23	
<i>For 10" WG (Class A), Add</i>	113.89	
<i>For Work In Restricted Working Space, Add</i>	74.27	
23 31 13 13-0928 LF 20" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	288.45	154.48
<i>For 3" WG (Class B), Add</i>	38.62	
<i>For 4" Or 6" WG (Class A), Add</i>	82.39	
<i>For 10" WG (Class A), Add</i>	118.44	
<i>For Work In Restricted Working Space, Add</i>	77.24	
23 31 13 13-0929 LF 20" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	299.55	160.42
<i>For 3" WG (Class B), Add</i>	40.11	
<i>For 4" Or 6" WG (Class A), Add</i>	85.56	
<i>For 10" WG (Class A), Add</i>	123.00	
<i>For Work In Restricted Working Space, Add</i>	80.22	
23 31 13 13-0930 LF 20" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	310.65	166.38
<i>For 3" WG (Class B), Add</i>	41.59	
<i>For 4" Or 6" WG (Class A), Add</i>	88.73	
<i>For 10" WG (Class A), Add</i>	127.55	
<i>For Work In Restricted Working Space, Add</i>	83.19	
23 31 13 13-0931 LF 20" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	321.73	172.32
<i>For 3" WG (Class B), Add</i>	43.08	
<i>For 4" Or 6" WG (Class A), Add</i>	91.90	
<i>For 10" WG (Class A), Add</i>	132.10	
<i>For Work In Restricted Working Space, Add</i>	86.15	
23 31 13 13-0932 LF 20" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.83	178.25
<i>For 3" WG (Class B), Add</i>	44.56	
<i>For 4" Or 6" WG (Class A), Add</i>	95.07	
<i>For 10" WG (Class A), Add</i>	136.66	
<i>For Work In Restricted Working Space, Add</i>	89.13	
23 31 13 13-0933 LF 20" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	343.93	184.20
<i>For 3" WG (Class B), Add</i>	46.05	
<i>For 4" Or 6" WG (Class A), Add</i>	98.24	
<i>For 10" WG (Class A), Add</i>	141.22	
<i>For Work In Restricted Working Space, Add</i>	92.10	
23 31 13 13-0934 LF 20" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	355.03	190.14
<i>For 3" WG (Class B), Add</i>	47.54	
<i>For 4" Or 6" WG (Class A), Add</i>	101.41	
<i>For 10" WG (Class A), Add</i>	145.77	
<i>For Work In Restricted Working Space, Add</i>	95.07	
23 31 13 13-0935 LF 20" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	366.12	196.08
<i>For 3" WG (Class B), Add</i>	49.02	
<i>For 4" Or 6" WG (Class A), Add</i>	104.58	
<i>For 10" WG (Class A), Add</i>	150.33	
<i>For Work In Restricted Working Space, Add</i>	98.04	
23 31 13 13-0936 LF 20" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	377.21	202.02
<i>For 3" WG (Class B), Add</i>	50.51	
<i>For 4" Or 6" WG (Class A), Add</i>	107.74	
<i>For 10" WG (Class A), Add</i>	154.88	
<i>For Work In Restricted Working Space, Add</i>	101.01	
23 31 13 13-0937 LF 22" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	244.06	130.72
<i>For 3" WG (Class B), Add</i>	32.68	
<i>For 4" Or 6" WG (Class A), Add</i>	69.72	
<i>For 10" WG (Class A), Add</i>	100.22	
<i>For Work In Restricted Working Space, Add</i>	65.36	
23 31 13 13-0938 LF 22" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	255.18	136.66
<i>For 3" WG (Class B), Add</i>	34.17	
<i>For 4" Or 6" WG (Class A), Add</i>	72.89	
<i>For 10" WG (Class A), Add</i>	104.77	
<i>For Work In Restricted Working Space, Add</i>	68.33	
23 31 13 13-0939 LF 22" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	266.27	142.60
<i>For 3" WG (Class B), Add</i>	35.65	
<i>For 4" Or 6" WG (Class A), Add</i>	76.06	
<i>For 10" WG (Class A), Add</i>	109.33	
<i>For Work In Restricted Working Space, Add</i>	71.30	
23 31 13 13-0940 LF 22" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	277.36	148.55
<i>For 3" WG (Class B), Add</i>	37.14	
<i>For 4" Or 6" WG (Class A), Add</i>	79.23	
<i>For 10" WG (Class A), Add</i>	113.89	
<i>For Work In Restricted Working Space, Add</i>	74.27	
23 31 13 13-0941 LF 22" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	288.45	154.48
<i>For 3" WG (Class B), Add</i>	38.62	
<i>For 4" Or 6" WG (Class A), Add</i>	82.39	
<i>For 10" WG (Class A), Add</i>	118.44	
<i>For Work In Restricted Working Space, Add</i>	77.24	
23 31 13 13-0942 LF 22" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	299.55	160.42
<i>For 3" WG (Class B), Add</i>	40.11	
<i>For 4" Or 6" WG (Class A), Add</i>	85.56	
<i>For 10" WG (Class A), Add</i>	123.00	
<i>For Work In Restricted Working Space, Add</i>	80.22	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0943	LF	22" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	310.65	166.38
			<i>For 3" WG (Class B), Add</i>	41.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	88.73	
			<i>For 10" WG (Class A), Add</i>	127.55	
			<i>For Work In Restricted Working Space, Add</i>	83.19	
23 31	13 13-0944	LF	22" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	321.73	172.32
			<i>For 3" WG (Class B), Add</i>	43.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	91.90	
			<i>For 10" WG (Class A), Add</i>	132.10	
			<i>For Work In Restricted Working Space, Add</i>	86.15	
23 31	13 13-0945	LF	22" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.83	178.25
			<i>For 3" WG (Class B), Add</i>	44.56	
			<i>For 4" Or 6" WG (Class A), Add</i>	95.07	
			<i>For 10" WG (Class A), Add</i>	136.66	
			<i>For Work In Restricted Working Space, Add</i>	89.13	
23 31	13 13-0946	LF	22" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	343.93	184.20
			<i>For 3" WG (Class B), Add</i>	46.05	
			<i>For 4" Or 6" WG (Class A), Add</i>	98.24	
			<i>For 10" WG (Class A), Add</i>	141.22	
			<i>For Work In Restricted Working Space, Add</i>	92.10	
23 31	13 13-0947	LF	22" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	355.03	190.14
			<i>For 3" WG (Class B), Add</i>	47.54	
			<i>For 4" Or 6" WG (Class A), Add</i>	101.41	
			<i>For 10" WG (Class A), Add</i>	145.77	
			<i>For Work In Restricted Working Space, Add</i>	95.07	
23 31	13 13-0948	LF	22" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	366.12	196.08
			<i>For 3" WG (Class B), Add</i>	49.02	
			<i>For 4" Or 6" WG (Class A), Add</i>	104.58	
			<i>For 10" WG (Class A), Add</i>	150.33	
			<i>For Work In Restricted Working Space, Add</i>	98.04	
23 31	13 13-0949	LF	22" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	377.21	202.02
			<i>For 3" WG (Class B), Add</i>	50.51	
			<i>For 4" Or 6" WG (Class A), Add</i>	107.74	
			<i>For 10" WG (Class A), Add</i>	154.88	
			<i>For Work In Restricted Working Space, Add</i>	101.01	
23 31	13 13-0950	LF	22" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	388.30	207.96
			<i>For 3" WG (Class B), Add</i>	51.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	110.92	
			<i>For 10" WG (Class A), Add</i>	159.44	
			<i>For Work In Restricted Working Space, Add</i>	103.98	
23 31	13 13-0951	LF	24" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	266.27	142.60
			<i>For 3" WG (Class B), Add</i>	35.65	
			<i>For 4" Or 6" WG (Class A), Add</i>	76.06	
			<i>For 10" WG (Class A), Add</i>	109.33	
			<i>For Work In Restricted Working Space, Add</i>	71.30	
23 31	13 13-0952	LF	24" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	277.36	148.55
			<i>For 3" WG (Class B), Add</i>	37.14	
			<i>For 4" Or 6" WG (Class A), Add</i>	79.23	
			<i>For 10" WG (Class A), Add</i>	113.89	
			<i>For Work In Restricted Working Space, Add</i>	74.27	
23 31	13 13-0953	LF	24" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	288.45	154.48
			<i>For 3" WG (Class B), Add</i>	38.62	
			<i>For 4" Or 6" WG (Class A), Add</i>	82.39	
			<i>For 10" WG (Class A), Add</i>	118.44	
			<i>For Work In Restricted Working Space, Add</i>	77.24	
23 31	13 13-0954	LF	24" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	299.55	160.42
			<i>For 3" WG (Class B), Add</i>	40.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	85.56	
			<i>For 10" WG (Class A), Add</i>	123.00	
			<i>For Work In Restricted Working Space, Add</i>	80.22	
23 31	13 13-0955	LF	24" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	310.65	166.38
			<i>For 3" WG (Class B), Add</i>	41.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	88.73	
			<i>For 10" WG (Class A), Add</i>	127.55	
			<i>For Work In Restricted Working Space, Add</i>	83.19	
23 31	13 13-0956	LF	24" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	321.73	172.32
			<i>For 3" WG (Class B), Add</i>	43.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	91.90	
			<i>For 10" WG (Class A), Add</i>	132.10	
			<i>For Work In Restricted Working Space, Add</i>	86.15	
23 31	13 13-0957	LF	24" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.83	178.25
			<i>For 3" WG (Class B), Add</i>	44.56	
			<i>For 4" Or 6" WG (Class A), Add</i>	95.07	
			<i>For 10" WG (Class A), Add</i>	136.66	
			<i>For Work In Restricted Working Space, Add</i>	89.13	
23 31	13 13-0958	LF	24" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	343.93	184.20
			<i>For 3" WG (Class B), Add</i>	46.05	
			<i>For 4" Or 6" WG (Class A), Add</i>	98.24	
			<i>For 10" WG (Class A), Add</i>	141.22	
			<i>For Work In Restricted Working Space, Add</i>	92.10	
23 31	13 13-0959	LF	24" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	355.03	190.14
			<i>For 3" WG (Class B), Add</i>	47.54	
			<i>For 4" Or 6" WG (Class A), Add</i>	101.41	
			<i>For 10" WG (Class A), Add</i>	145.77	
			<i>For Work In Restricted Working Space, Add</i>	95.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0960 LF 24" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	366.12	196.08
<i>For 3" WG (Class B), Add</i>	49.02	
<i>For 4" Or 6" WG (Class A), Add</i>	104.58	
<i>For 10" WG (Class A), Add</i>	150.33	
<i>For Work In Restricted Working Space, Add</i>	98.04	
23 31 13 13-0961 LF 24" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	377.21	202.02
<i>For 3" WG (Class B), Add</i>	50.51	
<i>For 4" Or 6" WG (Class A), Add</i>	107.74	
<i>For 10" WG (Class A), Add</i>	154.88	
<i>For Work In Restricted Working Space, Add</i>	101.01	
23 31 13 13-0962 LF 24" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	388.30	207.96
<i>For 3" WG (Class B), Add</i>	51.99	
<i>For 4" Or 6" WG (Class A), Add</i>	110.92	
<i>For 10" WG (Class A), Add</i>	159.44	
<i>For Work In Restricted Working Space, Add</i>	103.98	
23 31 13 13-0963 LF 24" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	399.39	213.90
<i>For 3" WG (Class B), Add</i>	53.48	
<i>For 4" Or 6" WG (Class A), Add</i>	114.08	
<i>For 10" WG (Class A), Add</i>	163.99	
<i>For Work In Restricted Working Space, Add</i>	106.95	
23 31 13 13-0964 LF 26" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	288.45	154.48
<i>For 3" WG (Class B), Add</i>	38.62	
<i>For 4" Or 6" WG (Class A), Add</i>	82.39	
<i>For 10" WG (Class A), Add</i>	118.44	
<i>For Work In Restricted Working Space, Add</i>	77.24	
23 31 13 13-0965 LF 26" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	299.55	160.42
<i>For 3" WG (Class B), Add</i>	40.11	
<i>For 4" Or 6" WG (Class A), Add</i>	85.56	
<i>For 10" WG (Class A), Add</i>	123.00	
<i>For Work In Restricted Working Space, Add</i>	80.22	
23 31 13 13-0966 LF 26" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	310.65	166.38
<i>For 3" WG (Class B), Add</i>	41.59	
<i>For 4" Or 6" WG (Class A), Add</i>	88.73	
<i>For 10" WG (Class A), Add</i>	127.55	
<i>For Work In Restricted Working Space, Add</i>	83.19	
23 31 13 13-0967 LF 26" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	321.73	172.32
<i>For 3" WG (Class B), Add</i>	43.08	
<i>For 4" Or 6" WG (Class A), Add</i>	91.90	
<i>For 10" WG (Class A), Add</i>	132.10	
<i>For Work In Restricted Working Space, Add</i>	86.15	
23 31 13 13-0968 LF 26" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.83	178.25
<i>For 3" WG (Class B), Add</i>	44.56	
<i>For 4" Or 6" WG (Class A), Add</i>	95.07	
<i>For 10" WG (Class A), Add</i>	136.66	
<i>For Work In Restricted Working Space, Add</i>	89.13	
23 31 13 13-0969 LF 26" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	343.93	184.20
<i>For 3" WG (Class B), Add</i>	46.05	
<i>For 4" Or 6" WG (Class A), Add</i>	98.24	
<i>For 10" WG (Class A), Add</i>	141.22	
<i>For Work In Restricted Working Space, Add</i>	92.10	
23 31 13 13-0970 LF 26" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	355.03	190.14
<i>For 3" WG (Class B), Add</i>	47.54	
<i>For 4" Or 6" WG (Class A), Add</i>	101.41	
<i>For 10" WG (Class A), Add</i>	145.77	
<i>For Work In Restricted Working Space, Add</i>	95.07	
23 31 13 13-0971 LF 26" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	366.12	196.08
<i>For 3" WG (Class B), Add</i>	49.02	
<i>For 4" Or 6" WG (Class A), Add</i>	104.58	
<i>For 10" WG (Class A), Add</i>	150.33	
<i>For Work In Restricted Working Space, Add</i>	98.04	
23 31 13 13-0972 LF 26" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	377.21	202.02
<i>For 3" WG (Class B), Add</i>	50.51	
<i>For 4" Or 6" WG (Class A), Add</i>	107.74	
<i>For 10" WG (Class A), Add</i>	154.88	
<i>For Work In Restricted Working Space, Add</i>	101.01	
23 31 13 13-0973 LF 26" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	388.30	207.96
<i>For 3" WG (Class B), Add</i>	51.99	
<i>For 4" Or 6" WG (Class A), Add</i>	110.92	
<i>For 10" WG (Class A), Add</i>	159.44	
<i>For Work In Restricted Working Space, Add</i>	103.98	
23 31 13 13-0974 LF 26" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	399.39	213.90
<i>For 3" WG (Class B), Add</i>	53.48	
<i>For 4" Or 6" WG (Class A), Add</i>	114.08	
<i>For 10" WG (Class A), Add</i>	163.99	
<i>For Work In Restricted Working Space, Add</i>	106.95	
23 31 13 13-0975 LF 26" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	410.51	219.85
<i>For 3" WG (Class B), Add</i>	54.96	
<i>For 4" Or 6" WG (Class A), Add</i>	117.25	
<i>For 10" WG (Class A), Add</i>	168.55	
<i>For Work In Restricted Working Space, Add</i>	109.93	
23 31 13 13-0976 LF 28" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	310.65	166.38
<i>For 3" WG (Class B), Add</i>	41.59	
<i>For 4" Or 6" WG (Class A), Add</i>	88.73	
<i>For 10" WG (Class A), Add</i>	127.55	
<i>For Work In Restricted Working Space, Add</i>	83.19	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0977	LF	28" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	321.73	172.32
			For 3" WG (Class B), Add	43.08	
			For 4" Or 6" WG (Class A), Add	91.90	
			For 10" WG (Class A), Add	132.10	
			For Work In Restricted Working Space, Add	86.15	
23 31	13 13-0978	LF	28" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.83	178.25
			For 3" WG (Class B), Add	44.56	
			For 4" Or 6" WG (Class A), Add	95.07	
			For 10" WG (Class A), Add	136.66	
			For Work In Restricted Working Space, Add	89.13	
23 31	13 13-0979	LF	28" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	343.93	184.20
			For 3" WG (Class B), Add	46.05	
			For 4" Or 6" WG (Class A), Add	98.24	
			For 10" WG (Class A), Add	141.22	
			For Work In Restricted Working Space, Add	92.10	
23 31	13 13-0980	LF	28" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	355.03	190.14
			For 3" WG (Class B), Add	47.54	
			For 4" Or 6" WG (Class A), Add	101.41	
			For 10" WG (Class A), Add	145.77	
			For Work In Restricted Working Space, Add	95.07	
23 31	13 13-0981	LF	28" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	366.12	196.08
			For 3" WG (Class B), Add	49.02	
			For 4" Or 6" WG (Class A), Add	104.58	
			For 10" WG (Class A), Add	150.33	
			For Work In Restricted Working Space, Add	98.04	
23 31	13 13-0982	LF	28" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	377.21	202.02
			For 3" WG (Class B), Add	50.51	
			For 4" Or 6" WG (Class A), Add	107.74	
			For 10" WG (Class A), Add	154.88	
			For Work In Restricted Working Space, Add	101.01	
23 31	13 13-0983	LF	28" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	388.30	207.96
			For 3" WG (Class B), Add	51.99	
			For 4" Or 6" WG (Class A), Add	110.92	
			For 10" WG (Class A), Add	159.44	
			For Work In Restricted Working Space, Add	103.98	
23 31	13 13-0984	LF	28" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	399.39	213.90
			For 3" WG (Class B), Add	53.48	
			For 4" Or 6" WG (Class A), Add	114.08	
			For 10" WG (Class A), Add	163.99	
			For Work In Restricted Working Space, Add	106.95	
23 31	13 13-0985	LF	28" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	410.51	219.85
			For 3" WG (Class B), Add	54.96	
			For 4" Or 6" WG (Class A), Add	117.25	
			For 10" WG (Class A), Add	168.55	
			For Work In Restricted Working Space, Add	109.93	
23 31	13 13-0986	LF	28" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	421.59	225.78
			For 3" WG (Class B), Add	56.45	
			For 4" Or 6" WG (Class A), Add	120.42	
			For 10" WG (Class A), Add	173.11	
			For Work In Restricted Working Space, Add	112.90	
23 31	13 13-0987	LF	30" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.83	178.25
			For 3" WG (Class B), Add	44.56	
			For 4" Or 6" WG (Class A), Add	95.07	
			For 10" WG (Class A), Add	136.66	
			For Work In Restricted Working Space, Add	89.13	
23 31	13 13-0988	LF	30" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	343.93	184.20
			For 3" WG (Class B), Add	46.05	
			For 4" Or 6" WG (Class A), Add	98.24	
			For 10" WG (Class A), Add	141.22	
			For Work In Restricted Working Space, Add	92.10	
23 31	13 13-0989	LF	30" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	355.03	190.14
			For 3" WG (Class B), Add	47.54	
			For 4" Or 6" WG (Class A), Add	101.41	
			For 10" WG (Class A), Add	145.77	
			For Work In Restricted Working Space, Add	95.07	
23 31	13 13-0990	LF	30" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	366.12	196.08
			For 3" WG (Class B), Add	49.02	
			For 4" Or 6" WG (Class A), Add	104.58	
			For 10" WG (Class A), Add	150.33	
			For Work In Restricted Working Space, Add	98.04	
23 31	13 13-0991	LF	30" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	377.21	202.02
			For 3" WG (Class B), Add	50.51	
			For 4" Or 6" WG (Class A), Add	107.74	
			For 10" WG (Class A), Add	154.88	
			For Work In Restricted Working Space, Add	101.01	
23 31	13 13-0992	LF	30" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	388.30	207.96
			For 3" WG (Class B), Add	51.99	
			For 4" Or 6" WG (Class A), Add	110.92	
			For 10" WG (Class A), Add	159.44	
			For Work In Restricted Working Space, Add	103.98	
23 31	13 13-0993	LF	30" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	399.39	213.90
			For 3" WG (Class B), Add	53.48	
			For 4" Or 6" WG (Class A), Add	114.08	
			For 10" WG (Class A), Add	163.99	
			For Work In Restricted Working Space, Add	106.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0994 LF 30" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	410.51	219.85
<i>For 3" WG (Class B), Add</i>	54.96	
<i>For 4" Or 6" WG (Class A), Add</i>	117.25	
<i>For 10" WG (Class A), Add</i>	168.55	
<i>For Work In Restricted Working Space, Add</i>	109.93	
23 31 13 13-0995 LF 30" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	421.59	225.78
<i>For 3" WG (Class B), Add</i>	56.45	
<i>For 4" Or 6" WG (Class A), Add</i>	120.42	
<i>For 10" WG (Class A), Add</i>	173.11	
<i>For Work In Restricted Working Space, Add</i>	112.90	
23 31 13 13-0996 LF 30" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	432.68	231.74
<i>For 3" WG (Class B), Add</i>	57.93	
<i>For 4" Or 6" WG (Class A), Add</i>	123.59	
<i>For 10" WG (Class A), Add</i>	177.66	
<i>For Work In Restricted Working Space, Add</i>	115.87	
23 31 13 13-0997 LF 32" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	355.03	190.14
<i>For 3" WG (Class B), Add</i>	47.54	
<i>For 4" Or 6" WG (Class A), Add</i>	101.41	
<i>For 10" WG (Class A), Add</i>	145.77	
<i>For Work In Restricted Working Space, Add</i>	95.07	
23 31 13 13-0998 LF 32" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	366.12	196.08
<i>For 3" WG (Class B), Add</i>	49.02	
<i>For 4" Or 6" WG (Class A), Add</i>	104.58	
<i>For 10" WG (Class A), Add</i>	150.33	
<i>For Work In Restricted Working Space, Add</i>	98.04	
23 31 13 13-0999 LF 32" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	377.21	202.02
<i>For 3" WG (Class B), Add</i>	50.51	
<i>For 4" Or 6" WG (Class A), Add</i>	107.74	
<i>For 10" WG (Class A), Add</i>	154.88	
<i>For Work In Restricted Working Space, Add</i>	101.01	
23 31 13 13-1000 LF 32" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	388.30	207.96
<i>For 3" WG (Class B), Add</i>	51.99	
<i>For 4" Or 6" WG (Class A), Add</i>	110.92	
<i>For 10" WG (Class A), Add</i>	159.44	
<i>For Work In Restricted Working Space, Add</i>	103.98	
23 31 13 13-1001 LF 32" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	399.39	213.90
<i>For 3" WG (Class B), Add</i>	53.48	
<i>For 4" Or 6" WG (Class A), Add</i>	114.08	
<i>For 10" WG (Class A), Add</i>	163.99	
<i>For Work In Restricted Working Space, Add</i>	106.95	
23 31 13 13-1002 LF 32" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	410.51	219.85
<i>For 3" WG (Class B), Add</i>	54.96	
<i>For 4" Or 6" WG (Class A), Add</i>	117.25	
<i>For 10" WG (Class A), Add</i>	168.55	
<i>For Work In Restricted Working Space, Add</i>	109.93	
23 31 13 13-1003 LF 32" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	421.59	225.78
<i>For 3" WG (Class B), Add</i>	56.45	
<i>For 4" Or 6" WG (Class A), Add</i>	120.42	
<i>For 10" WG (Class A), Add</i>	173.11	
<i>For Work In Restricted Working Space, Add</i>	112.90	
23 31 13 13-1004 LF 32" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	432.68	231.74
<i>For 3" WG (Class B), Add</i>	57.93	
<i>For 4" Or 6" WG (Class A), Add</i>	123.59	
<i>For 10" WG (Class A), Add</i>	177.66	
<i>For Work In Restricted Working Space, Add</i>	115.87	
23 31 13 13-1005 LF 32" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	443.78	237.68
<i>For 3" WG (Class B), Add</i>	59.42	
<i>For 4" Or 6" WG (Class A), Add</i>	126.76	
<i>For 10" WG (Class A), Add</i>	182.22	
<i>For Work In Restricted Working Space, Add</i>	118.84	
23 31 13 13-1006 LF 34" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	377.21	202.02
<i>For 3" WG (Class B), Add</i>	50.51	
<i>For 4" Or 6" WG (Class A), Add</i>	107.74	
<i>For 10" WG (Class A), Add</i>	154.88	
<i>For Work In Restricted Working Space, Add</i>	101.01	
23 31 13 13-1007 LF 34" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	388.30	207.96
<i>For 3" WG (Class B), Add</i>	51.99	
<i>For 4" Or 6" WG (Class A), Add</i>	110.92	
<i>For 10" WG (Class A), Add</i>	159.44	
<i>For Work In Restricted Working Space, Add</i>	103.98	
23 31 13 13-1008 LF 34" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	399.39	213.90
<i>For 3" WG (Class B), Add</i>	53.48	
<i>For 4" Or 6" WG (Class A), Add</i>	114.08	
<i>For 10" WG (Class A), Add</i>	163.99	
<i>For Work In Restricted Working Space, Add</i>	106.95	
23 31 13 13-1009 LF 34" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	410.51	219.85
<i>For 3" WG (Class B), Add</i>	54.96	
<i>For 4" Or 6" WG (Class A), Add</i>	117.25	
<i>For 10" WG (Class A), Add</i>	168.55	
<i>For Work In Restricted Working Space, Add</i>	109.93	
23 31 13 13-1010 LF 34" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	421.59	225.78
<i>For 3" WG (Class B), Add</i>	56.45	
<i>For 4" Or 6" WG (Class A), Add</i>	120.42	
<i>For 10" WG (Class A), Add</i>	173.11	
<i>For Work In Restricted Working Space, Add</i>	112.90	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1011	LF		34" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	432.68	231.74
			<i>For 3" WG (Class B), Add</i>	57.93	
			<i>For 4" Or 6" WG (Class A), Add</i>	123.59	
			<i>For 10" WG (Class A), Add</i>	177.66	
			<i>For Work In Restricted Working Space, Add</i>	115.87	
23 31 13 13-1012	LF		34" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	443.78	237.68
			<i>For 3" WG (Class B), Add</i>	59.42	
			<i>For 4" Or 6" WG (Class A), Add</i>	126.76	
			<i>For 10" WG (Class A), Add</i>	182.22	
			<i>For Work In Restricted Working Space, Add</i>	118.84	
23 31 13 13-1013	LF		34" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	454.86	243.62
			<i>For 3" WG (Class B), Add</i>	60.90	
			<i>For 4" Or 6" WG (Class A), Add</i>	129.93	
			<i>For 10" WG (Class A), Add</i>	186.77	
			<i>For Work In Restricted Working Space, Add</i>	121.81	
23 31 13 13-1014	LF		36" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	399.39	213.90
			<i>For 3" WG (Class B), Add</i>	53.48	
			<i>For 4" Or 6" WG (Class A), Add</i>	114.08	
			<i>For 10" WG (Class A), Add</i>	163.99	
			<i>For Work In Restricted Working Space, Add</i>	106.95	
23 31 13 13-1015	LF		36" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	410.51	219.85
			<i>For 3" WG (Class B), Add</i>	54.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	117.25	
			<i>For 10" WG (Class A), Add</i>	168.55	
			<i>For Work In Restricted Working Space, Add</i>	109.93	
23 31 13 13-1016	LF		36" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	421.59	225.78
			<i>For 3" WG (Class B), Add</i>	56.45	
			<i>For 4" Or 6" WG (Class A), Add</i>	120.42	
			<i>For 10" WG (Class A), Add</i>	173.11	
			<i>For Work In Restricted Working Space, Add</i>	112.90	
23 31 13 13-1017	LF		36" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	432.68	231.74
			<i>For 3" WG (Class B), Add</i>	57.93	
			<i>For 4" Or 6" WG (Class A), Add</i>	123.59	
			<i>For 10" WG (Class A), Add</i>	177.66	
			<i>For Work In Restricted Working Space, Add</i>	115.87	
23 31 13 13-1018	LF		36" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	443.78	237.68
			<i>For 3" WG (Class B), Add</i>	59.42	
			<i>For 4" Or 6" WG (Class A), Add</i>	126.76	
			<i>For 10" WG (Class A), Add</i>	182.22	
			<i>For Work In Restricted Working Space, Add</i>	118.84	
23 31 13 13-1019	LF		36" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	454.86	243.62
			<i>For 3" WG (Class B), Add</i>	60.90	
			<i>For 4" Or 6" WG (Class A), Add</i>	129.93	
			<i>For 10" WG (Class A), Add</i>	186.77	
			<i>For Work In Restricted Working Space, Add</i>	121.81	
23 31 13 13-1020	LF		36" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	465.96	249.56
			<i>For 3" WG (Class B), Add</i>	62.39	
			<i>For 4" Or 6" WG (Class A), Add</i>	133.09	
			<i>For 10" WG (Class A), Add</i>	191.32	
			<i>For Work In Restricted Working Space, Add</i>	124.78	
23 31 13 13-1021	LF		38" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	421.59	225.78
			<i>For 3" WG (Class B), Add</i>	56.45	
			<i>For 4" Or 6" WG (Class A), Add</i>	120.42	
			<i>For 10" WG (Class A), Add</i>	173.11	
			<i>For Work In Restricted Working Space, Add</i>	112.90	
23 31 13 13-1022	LF		38" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	432.68	231.74
			<i>For 3" WG (Class B), Add</i>	57.93	
			<i>For 4" Or 6" WG (Class A), Add</i>	123.59	
			<i>For 10" WG (Class A), Add</i>	177.66	
			<i>For Work In Restricted Working Space, Add</i>	115.87	
23 31 13 13-1023	LF		38" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	443.78	237.68
			<i>For 3" WG (Class B), Add</i>	59.42	
			<i>For 4" Or 6" WG (Class A), Add</i>	126.76	
			<i>For 10" WG (Class A), Add</i>	182.22	
			<i>For Work In Restricted Working Space, Add</i>	118.84	
23 31 13 13-1024	LF		38" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	454.86	243.62
			<i>For 3" WG (Class B), Add</i>	60.90	
			<i>For 4" Or 6" WG (Class A), Add</i>	129.93	
			<i>For 10" WG (Class A), Add</i>	186.77	
			<i>For Work In Restricted Working Space, Add</i>	121.81	
23 31 13 13-1025	LF		38" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	465.96	249.56
			<i>For 3" WG (Class B), Add</i>	62.39	
			<i>For 4" Or 6" WG (Class A), Add</i>	133.09	
			<i>For 10" WG (Class A), Add</i>	191.32	
			<i>For Work In Restricted Working Space, Add</i>	124.78	
23 31 13 13-1026	LF		38" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	477.06	255.50
			<i>For 3" WG (Class B), Add</i>	63.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	136.27	
			<i>For 10" WG (Class A), Add</i>	195.88	
			<i>For Work In Restricted Working Space, Add</i>	127.75	
23 31 13 13-1027	LF		38" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	488.16	261.44
			<i>For 3" WG (Class B), Add</i>	65.36	
			<i>For 4" Or 6" WG (Class A), Add</i>	139.44	
			<i>For 10" WG (Class A), Add</i>	200.44	
			<i>For Work In Restricted Working Space, Add</i>	130.72	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1028 LF 40" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	443.78	237.68
<i>For 3" WG (Class B), Add</i>	59.42	
<i>For 4" Or 6" WG (Class A), Add</i>	126.76	
<i>For 10" WG (Class A), Add</i>	182.22	
<i>For Work In Restricted Working Space, Add</i>	118.84	
23 31 13 13-1029 LF 40" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	454.86	243.62
<i>For 3" WG (Class B), Add</i>	60.90	
<i>For 4" Or 6" WG (Class A), Add</i>	129.93	
<i>For 10" WG (Class A), Add</i>	186.77	
<i>For Work In Restricted Working Space, Add</i>	121.81	
23 31 13 13-1030 LF 40" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	465.96	249.56
<i>For 3" WG (Class B), Add</i>	62.39	
<i>For 4" Or 6" WG (Class A), Add</i>	133.09	
<i>For 10" WG (Class A), Add</i>	191.32	
<i>For Work In Restricted Working Space, Add</i>	124.78	
23 31 13 13-1031 LF 40" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	477.06	255.50
<i>For 3" WG (Class B), Add</i>	63.87	
<i>For 4" Or 6" WG (Class A), Add</i>	136.27	
<i>For 10" WG (Class A), Add</i>	195.88	
<i>For Work In Restricted Working Space, Add</i>	127.75	
23 31 13 13-1032 LF 40" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	488.16	261.44
<i>For 3" WG (Class B), Add</i>	65.36	
<i>For 4" Or 6" WG (Class A), Add</i>	139.44	
<i>For 10" WG (Class A), Add</i>	200.44	
<i>For Work In Restricted Working Space, Add</i>	130.72	
23 31 13 13-1033 LF 40" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	499.25	267.39
<i>For 3" WG (Class B), Add</i>	66.85	
<i>For 4" Or 6" WG (Class A), Add</i>	142.60	
<i>For 10" WG (Class A), Add</i>	204.99	
<i>For Work In Restricted Working Space, Add</i>	133.69	
23 31 13 13-1034 LF 40" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	510.33	273.32
<i>For 3" WG (Class B), Add</i>	68.33	
<i>For 4" Or 6" WG (Class A), Add</i>	145.77	
<i>For 10" WG (Class A), Add</i>	209.55	
<i>For Work In Restricted Working Space, Add</i>	136.66	
23 31 13 13-1035 LF 40" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	521.44	279.26
<i>For 3" WG (Class B), Add</i>	69.82	
<i>For 4" Or 6" WG (Class A), Add</i>	148.94	
<i>For 10" WG (Class A), Add</i>	214.10	
<i>For Work In Restricted Working Space, Add</i>	139.63	
23 31 13 13-1036 LF 40" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	532.54	285.21
<i>For 3" WG (Class B), Add</i>	71.30	
<i>For 4" Or 6" WG (Class A), Add</i>	152.11	
<i>For 10" WG (Class A), Add</i>	218.66	
<i>For Work In Restricted Working Space, Add</i>	142.61	
23 31 13 13-1037 LF 42" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	465.96	249.56
<i>For 3" WG (Class B), Add</i>	62.39	
<i>For 4" Or 6" WG (Class A), Add</i>	133.09	
<i>For 10" WG (Class A), Add</i>	191.32	
<i>For Work In Restricted Working Space, Add</i>	124.78	
23 31 13 13-1038 LF 42" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	477.06	255.50
<i>For 3" WG (Class B), Add</i>	63.87	
<i>For 4" Or 6" WG (Class A), Add</i>	136.27	
<i>For 10" WG (Class A), Add</i>	195.88	
<i>For Work In Restricted Working Space, Add</i>	127.75	
23 31 13 13-1039 LF 42" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	488.16	261.44
<i>For 3" WG (Class B), Add</i>	65.36	
<i>For 4" Or 6" WG (Class A), Add</i>	139.44	
<i>For 10" WG (Class A), Add</i>	200.44	
<i>For Work In Restricted Working Space, Add</i>	130.72	
23 31 13 13-1040 LF 42" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	499.25	267.39
<i>For 3" WG (Class B), Add</i>	66.85	
<i>For 4" Or 6" WG (Class A), Add</i>	142.60	
<i>For 10" WG (Class A), Add</i>	204.99	
<i>For Work In Restricted Working Space, Add</i>	133.69	
23 31 13 13-1041 LF 42" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	510.33	273.32
<i>For 3" WG (Class B), Add</i>	68.33	
<i>For 4" Or 6" WG (Class A), Add</i>	145.77	
<i>For 10" WG (Class A), Add</i>	209.55	
<i>For Work In Restricted Working Space, Add</i>	136.66	
23 31 13 13-1042 LF 42" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	521.44	279.26
<i>For 3" WG (Class B), Add</i>	69.82	
<i>For 4" Or 6" WG (Class A), Add</i>	148.94	
<i>For 10" WG (Class A), Add</i>	214.10	
<i>For Work In Restricted Working Space, Add</i>	139.63	
23 31 13 13-1043 LF 42" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	532.54	285.21
<i>For 3" WG (Class B), Add</i>	71.30	
<i>For 4" Or 6" WG (Class A), Add</i>	152.11	
<i>For 10" WG (Class A), Add</i>	218.66	
<i>For Work In Restricted Working Space, Add</i>	142.61	
23 31 13 13-1044 LF 42" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	543.63	291.15
<i>For 3" WG (Class B), Add</i>	72.79	
<i>For 4" Or 6" WG (Class A), Add</i>	155.28	
<i>For 10" WG (Class A), Add</i>	223.22	
<i>For Work In Restricted Working Space, Add</i>	145.58	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1045	LF		44" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	488.16	261.44
			<i>For 3" WG (Class B), Add</i>	65.36	
			<i>For 4" Or 6" WG (Class A), Add</i>	139.44	
			<i>For 10" WG (Class A), Add</i>	200.44	
			<i>For Work In Restricted Working Space, Add</i>	130.72	
23 31 13 13-1046	LF		44" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	499.25	267.39
			<i>For 3" WG (Class B), Add</i>	66.85	
			<i>For 4" Or 6" WG (Class A), Add</i>	142.60	
			<i>For 10" WG (Class A), Add</i>	204.99	
			<i>For Work In Restricted Working Space, Add</i>	133.69	
23 31 13 13-1047	LF		44" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	510.33	273.32
			<i>For 3" WG (Class B), Add</i>	68.33	
			<i>For 4" Or 6" WG (Class A), Add</i>	145.77	
			<i>For 10" WG (Class A), Add</i>	209.55	
			<i>For Work In Restricted Working Space, Add</i>	136.66	
23 31 13 13-1048	LF		44" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	521.44	279.26
			<i>For 3" WG (Class B), Add</i>	69.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	148.94	
			<i>For 10" WG (Class A), Add</i>	214.10	
			<i>For Work In Restricted Working Space, Add</i>	139.63	
23 31 13 13-1049	LF		44" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	532.54	285.21
			<i>For 3" WG (Class B), Add</i>	71.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	152.11	
			<i>For 10" WG (Class A), Add</i>	218.66	
			<i>For Work In Restricted Working Space, Add</i>	142.61	
23 31 13 13-1050	LF		44" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	543.63	291.15
			<i>For 3" WG (Class B), Add</i>	72.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	155.28	
			<i>For 10" WG (Class A), Add</i>	223.22	
			<i>For Work In Restricted Working Space, Add</i>	145.58	
23 31 13 13-1051	LF		44" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	554.72	297.09
			<i>For 3" WG (Class B), Add</i>	74.27	
			<i>For 4" Or 6" WG (Class A), Add</i>	158.45	
			<i>For 10" WG (Class A), Add</i>	227.77	
			<i>For Work In Restricted Working Space, Add</i>	148.55	
23 31 13 13-1052	LF		46" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	510.33	273.32
			<i>For 3" WG (Class B), Add</i>	68.33	
			<i>For 4" Or 6" WG (Class A), Add</i>	145.77	
			<i>For 10" WG (Class A), Add</i>	209.55	
			<i>For Work In Restricted Working Space, Add</i>	136.66	
23 31 13 13-1053	LF		46" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	521.44	279.26
			<i>For 3" WG (Class B), Add</i>	69.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	148.94	
			<i>For 10" WG (Class A), Add</i>	214.10	
			<i>For Work In Restricted Working Space, Add</i>	139.63	
23 31 13 13-1054	LF		46" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	532.54	285.21
			<i>For 3" WG (Class B), Add</i>	71.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	152.11	
			<i>For 10" WG (Class A), Add</i>	218.66	
			<i>For Work In Restricted Working Space, Add</i>	142.61	
23 31 13 13-1055	LF		46" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	543.63	291.15
			<i>For 3" WG (Class B), Add</i>	72.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	155.28	
			<i>For 10" WG (Class A), Add</i>	223.22	
			<i>For Work In Restricted Working Space, Add</i>	145.58	
23 31 13 13-1056	LF		46" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	554.72	297.09
			<i>For 3" WG (Class B), Add</i>	74.27	
			<i>For 4" Or 6" WG (Class A), Add</i>	158.45	
			<i>For 10" WG (Class A), Add</i>	227.77	
			<i>For Work In Restricted Working Space, Add</i>	148.55	
23 31 13 13-1057	LF		46" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	575.72	308.98
			<i>For 3" WG (Class B), Add</i>	77.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	164.79	
			<i>For 10" WG (Class A), Add</i>	236.89	
			<i>For Work In Restricted Working Space, Add</i>	154.49	
23 31 13 13-1058	LF		46" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	586.82	314.92
			<i>For 3" WG (Class B), Add</i>	78.73	
			<i>For 4" Or 6" WG (Class A), Add</i>	167.96	
			<i>For 10" WG (Class A), Add</i>	241.44	
			<i>For Work In Restricted Working Space, Add</i>	157.46	
23 31 13 13-1059	LF		48" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	532.54	285.21
			<i>For 3" WG (Class B), Add</i>	71.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	152.11	
			<i>For 10" WG (Class A), Add</i>	218.66	
			<i>For Work In Restricted Working Space, Add</i>	142.61	
23 31 13 13-1060	LF		48" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	543.63	291.15
			<i>For 3" WG (Class B), Add</i>	72.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	155.28	
			<i>For 10" WG (Class A), Add</i>	223.22	
			<i>For Work In Restricted Working Space, Add</i>	145.58	
23 31 13 13-1061	LF		48" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	554.72	297.09
			<i>For 3" WG (Class B), Add</i>	74.27	
			<i>For 4" Or 6" WG (Class A), Add</i>	158.45	
			<i>For 10" WG (Class A), Add</i>	227.77	
			<i>For Work In Restricted Working Space, Add</i>	148.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1062 LF 48" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	565.81	303.04
<i>For 3" WG (Class B), Add</i>	75.76	
<i>For 4" Or 6" WG (Class A), Add</i>	161.62	
<i>For 10" WG (Class A), Add</i>	232.33	
<i>For Work In Restricted Working Space, Add</i>	151.52	
23 31 13 13-1063 LF 48" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	576.93	308.98
<i>For 3" WG (Class B), Add</i>	77.25	
<i>For 4" Or 6" WG (Class A), Add</i>	164.79	
<i>For 10" WG (Class A), Add</i>	236.89	
<i>For Work In Restricted Working Space, Add</i>	154.49	
23 31 13 13-1064 LF 48" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	588.00	314.92
<i>For 3" WG (Class B), Add</i>	78.73	
<i>For 4" Or 6" WG (Class A), Add</i>	167.96	
<i>For 10" WG (Class A), Add</i>	241.44	
<i>For Work In Restricted Working Space, Add</i>	157.46	
23 31 13 13-1065 LF 48" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	599.09	320.86
<i>For 3" WG (Class B), Add</i>	80.21	
<i>For 4" Or 6" WG (Class A), Add</i>	171.12	
<i>For 10" WG (Class A), Add</i>	245.99	
<i>For Work In Restricted Working Space, Add</i>	160.43	
23 31 13 13-1066 LF 50" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	554.72	297.09
<i>For 3" WG (Class B), Add</i>	74.27	
<i>For 4" Or 6" WG (Class A), Add</i>	158.45	
<i>For 10" WG (Class A), Add</i>	227.77	
<i>For Work In Restricted Working Space, Add</i>	148.55	
23 31 13 13-1067 LF 50" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	565.81	303.04
<i>For 3" WG (Class B), Add</i>	75.76	
<i>For 4" Or 6" WG (Class A), Add</i>	161.62	
<i>For 10" WG (Class A), Add</i>	232.33	
<i>For Work In Restricted Working Space, Add</i>	151.52	
23 31 13 13-1068 LF 50" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	576.93	308.98
<i>For 3" WG (Class B), Add</i>	77.25	
<i>For 4" Or 6" WG (Class A), Add</i>	164.79	
<i>For 10" WG (Class A), Add</i>	236.89	
<i>For Work In Restricted Working Space, Add</i>	154.49	
23 31 13 13-1069 LF 50" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	588.00	314.92
<i>For 3" WG (Class B), Add</i>	78.73	
<i>For 4" Or 6" WG (Class A), Add</i>	167.96	
<i>For 10" WG (Class A), Add</i>	241.44	
<i>For Work In Restricted Working Space, Add</i>	157.46	
23 31 13 13-1070 LF 50" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	599.09	320.86
<i>For 3" WG (Class B), Add</i>	80.21	
<i>For 4" Or 6" WG (Class A), Add</i>	171.12	
<i>For 10" WG (Class A), Add</i>	245.99	
<i>For Work In Restricted Working Space, Add</i>	160.43	
23 31 13 13-1071 LF 50" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	610.18	326.80
<i>For 3" WG (Class B), Add</i>	81.70	
<i>For 4" Or 6" WG (Class A), Add</i>	174.29	
<i>For 10" WG (Class A), Add</i>	250.54	
<i>For Work In Restricted Working Space, Add</i>	163.40	
23 31 13 13-1072 LF 52" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	576.93	308.98
<i>For 3" WG (Class B), Add</i>	77.25	
<i>For 4" Or 6" WG (Class A), Add</i>	164.79	
<i>For 10" WG (Class A), Add</i>	236.89	
<i>For Work In Restricted Working Space, Add</i>	154.49	
23 31 13 13-1073 LF 52" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	588.00	314.92
<i>For 3" WG (Class B), Add</i>	78.73	
<i>For 4" Or 6" WG (Class A), Add</i>	167.96	
<i>For 10" WG (Class A), Add</i>	241.44	
<i>For Work In Restricted Working Space, Add</i>	157.46	
23 31 13 13-1074 LF 52" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	599.09	320.86
<i>For 3" WG (Class B), Add</i>	80.21	
<i>For 4" Or 6" WG (Class A), Add</i>	171.12	
<i>For 10" WG (Class A), Add</i>	245.99	
<i>For Work In Restricted Working Space, Add</i>	160.43	
23 31 13 13-1075 LF 52" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	610.18	326.80
<i>For 3" WG (Class B), Add</i>	81.70	
<i>For 4" Or 6" WG (Class A), Add</i>	174.29	
<i>For 10" WG (Class A), Add</i>	250.54	
<i>For Work In Restricted Working Space, Add</i>	163.40	
23 31 13 13-1076 LF 52" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	621.29	332.74
<i>For 3" WG (Class B), Add</i>	83.19	
<i>For 4" Or 6" WG (Class A), Add</i>	177.47	
<i>For 10" WG (Class A), Add</i>	255.11	
<i>For Work In Restricted Working Space, Add</i>	166.37	
23 31 13 13-1077 LF 54" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	599.09	320.86
<i>For 3" WG (Class B), Add</i>	80.21	
<i>For 4" Or 6" WG (Class A), Add</i>	171.12	
<i>For 10" WG (Class A), Add</i>	245.99	
<i>For Work In Restricted Working Space, Add</i>	160.43	
23 31 13 13-1078 LF 54" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	610.18	326.80
<i>For 3" WG (Class B), Add</i>	81.70	
<i>For 4" Or 6" WG (Class A), Add</i>	174.29	
<i>For 10" WG (Class A), Add</i>	250.54	
<i>For Work In Restricted Working Space, Add</i>	163.40	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1079	LF	54" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	621.29	332.74	
		<i>For 3" WG (Class B), Add</i>	83.19		
		<i>For 4" Or 6" WG (Class A), Add</i>	177.47		
		<i>For 10" WG (Class A), Add</i>	255.11		
		<i>For Work In Restricted Working Space, Add</i>	166.37		
23 31 13 13-1080	LF	54" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	632.39	338.69	
		<i>For 3" WG (Class B), Add</i>	84.67		
		<i>For 4" Or 6" WG (Class A), Add</i>	180.63		
		<i>For 10" WG (Class A), Add</i>	259.66		
		<i>For Work In Restricted Working Space, Add</i>	169.34		
23 31 13 13-1081	LF	54" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	643.48	344.62	
		<i>For 3" WG (Class B), Add</i>	86.16		
		<i>For 4" Or 6" WG (Class A), Add</i>	183.80		
		<i>For 10" WG (Class A), Add</i>	264.21		
		<i>For Work In Restricted Working Space, Add</i>	172.31		
23 31 13 13-1082	LF	54" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	654.57	350.56	
		<i>For 3" WG (Class B), Add</i>	87.64		
		<i>For 4" Or 6" WG (Class A), Add</i>	186.97		
		<i>For 10" WG (Class A), Add</i>	268.77		
		<i>For Work In Restricted Working Space, Add</i>	175.28		
23 31 13 13-1083	LF	56" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	621.29	332.74	
		<i>For 3" WG (Class B), Add</i>	83.19		
		<i>For 4" Or 6" WG (Class A), Add</i>	177.47		
		<i>For 10" WG (Class A), Add</i>	255.11		
		<i>For Work In Restricted Working Space, Add</i>	166.37		
23 31 13 13-1084	LF	56" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	632.39	338.69	
		<i>For 3" WG (Class B), Add</i>	84.67		
		<i>For 4" Or 6" WG (Class A), Add</i>	180.63		
		<i>For 10" WG (Class A), Add</i>	259.66		
		<i>For Work In Restricted Working Space, Add</i>	169.34		
23 31 13 13-1085	LF	56" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	643.48	344.62	
		<i>For 3" WG (Class B), Add</i>	86.16		
		<i>For 4" Or 6" WG (Class A), Add</i>	183.80		
		<i>For 10" WG (Class A), Add</i>	264.21		
		<i>For Work In Restricted Working Space, Add</i>	172.31		
23 31 13 13-1086	LF	56" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	654.57	350.56	
		<i>For 3" WG (Class B), Add</i>	87.64		
		<i>For 4" Or 6" WG (Class A), Add</i>	186.97		
		<i>For 10" WG (Class A), Add</i>	268.77		
		<i>For Work In Restricted Working Space, Add</i>	175.28		
23 31 13 13-1087	LF	56" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	665.67	356.51	
		<i>For 3" WG (Class B), Add</i>	89.13		
		<i>For 4" Or 6" WG (Class A), Add</i>	190.14		
		<i>For 10" WG (Class A), Add</i>	273.33		
		<i>For Work In Restricted Working Space, Add</i>	178.26		
23 31 13 13-1088	LF	58" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	643.48	344.62	
		<i>For 3" WG (Class B), Add</i>	86.16		
		<i>For 4" Or 6" WG (Class A), Add</i>	183.80		
		<i>For 10" WG (Class A), Add</i>	264.21		
		<i>For Work In Restricted Working Space, Add</i>	172.31		
23 31 13 13-1089	LF	58" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	654.57	350.56	
		<i>For 3" WG (Class B), Add</i>	87.64		
		<i>For 4" Or 6" WG (Class A), Add</i>	186.97		
		<i>For 10" WG (Class A), Add</i>	268.77		
		<i>For Work In Restricted Working Space, Add</i>	175.28		
23 31 13 13-1090	LF	58" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	665.67	356.51	
		<i>For 3" WG (Class B), Add</i>	89.13		
		<i>For 4" Or 6" WG (Class A), Add</i>	190.14		
		<i>For 10" WG (Class A), Add</i>	273.33		
		<i>For Work In Restricted Working Space, Add</i>	178.26		
23 31 13 13-1091	LF	58" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	676.75	362.46	
		<i>For 3" WG (Class B), Add</i>	90.61		
		<i>For 4" Or 6" WG (Class A), Add</i>	193.31		
		<i>For 10" WG (Class A), Add</i>	277.88		
		<i>For Work In Restricted Working Space, Add</i>	181.23		
23 31 13 13-1092	LF	58" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	687.86	368.39	
		<i>For 3" WG (Class B), Add</i>	92.10		
		<i>For 4" Or 6" WG (Class A), Add</i>	196.48		
		<i>For 10" WG (Class A), Add</i>	282.44		
		<i>For Work In Restricted Working Space, Add</i>	184.20		
23 31 13 13-1093	LF	60" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	665.67	356.51	
		<i>For 3" WG (Class B), Add</i>	89.13		
		<i>For 4" Or 6" WG (Class A), Add</i>	190.14		
		<i>For 10" WG (Class A), Add</i>	273.33		
		<i>For Work In Restricted Working Space, Add</i>	178.26		
23 31 13 13-1094	LF	60" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	676.75	362.46	
		<i>For 3" WG (Class B), Add</i>	90.61		
		<i>For 4" Or 6" WG (Class A), Add</i>	193.31		
		<i>For 10" WG (Class A), Add</i>	277.88		
		<i>For Work In Restricted Working Space, Add</i>	181.23		
23 31 13 13-1095	LF	60" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	687.86	368.39	
		<i>For 3" WG (Class B), Add</i>	92.10		
		<i>For 4" Or 6" WG (Class A), Add</i>	196.48		
		<i>For 10" WG (Class A), Add</i>	282.44		
		<i>For Work In Restricted Working Space, Add</i>	184.20		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1096 LF 60" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	698.96	374.34
<i>For 3" WG (Class B), Add</i>	93.59	
<i>For 4" Or 6" WG (Class A), Add</i>	199.65	
<i>For 10" WG (Class A), Add</i>	286.99	
<i>For Work In Restricted Working Space, Add</i>	187.17	
23 31 13 13-1097 LF 60" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	710.04	380.28
<i>For 3" WG (Class B), Add</i>	95.07	
<i>For 4" Or 6" WG (Class A), Add</i>	202.82	
<i>For 10" WG (Class A), Add</i>	291.55	
<i>For Work In Restricted Working Space, Add</i>	190.14	
23 31 13 13-1098 LF 62" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	687.86	368.39
<i>For 3" WG (Class B), Add</i>	92.10	
<i>For 4" Or 6" WG (Class A), Add</i>	196.48	
<i>For 10" WG (Class A), Add</i>	282.44	
<i>For Work In Restricted Working Space, Add</i>	184.20	
23 31 13 13-1099 LF 62" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	698.96	374.34
<i>For 3" WG (Class B), Add</i>	93.59	
<i>For 4" Or 6" WG (Class A), Add</i>	199.65	
<i>For 10" WG (Class A), Add</i>	286.99	
<i>For Work In Restricted Working Space, Add</i>	187.17	
23 31 13 13-1100 LF 62" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	710.04	380.28
<i>For 3" WG (Class B), Add</i>	95.07	
<i>For 4" Or 6" WG (Class A), Add</i>	202.82	
<i>For 10" WG (Class A), Add</i>	291.55	
<i>For Work In Restricted Working Space, Add</i>	190.14	
23 31 13 13-1101 LF 62" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	721.13	386.22
<i>For 3" WG (Class B), Add</i>	96.56	
<i>For 4" Or 6" WG (Class A), Add</i>	205.98	
<i>For 10" WG (Class A), Add</i>	296.10	
<i>For Work In Restricted Working Space, Add</i>	193.11	
23 31 13 13-1102 LF 62" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	732.22	392.16
<i>For 3" WG (Class B), Add</i>	98.04	
<i>For 4" Or 6" WG (Class A), Add</i>	209.15	
<i>For 10" WG (Class A), Add</i>	300.66	
<i>For Work In Restricted Working Space, Add</i>	196.08	
23 31 13 13-1103 LF 64" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	710.04	380.28
<i>For 3" WG (Class B), Add</i>	95.07	
<i>For 4" Or 6" WG (Class A), Add</i>	202.82	
<i>For 10" WG (Class A), Add</i>	291.55	
<i>For Work In Restricted Working Space, Add</i>	190.14	
23 31 13 13-1104 LF 64" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	721.13	386.22
<i>For 3" WG (Class B), Add</i>	96.56	
<i>For 4" Or 6" WG (Class A), Add</i>	205.98	
<i>For 10" WG (Class A), Add</i>	296.10	
<i>For Work In Restricted Working Space, Add</i>	193.11	
23 31 13 13-1105 LF 64" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	732.22	392.16
<i>For 3" WG (Class B), Add</i>	98.04	
<i>For 4" Or 6" WG (Class A), Add</i>	209.15	
<i>For 10" WG (Class A), Add</i>	300.66	
<i>For Work In Restricted Working Space, Add</i>	196.08	
23 31 13 13-1106 LF 64" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	743.32	398.10
<i>For 3" WG (Class B), Add</i>	99.53	
<i>For 4" Or 6" WG (Class A), Add</i>	212.32	
<i>For 10" WG (Class A), Add</i>	305.21	
<i>For Work In Restricted Working Space, Add</i>	199.05	
23 31 13 13-1107 LF 66" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	732.22	392.16
<i>For 3" WG (Class B), Add</i>	98.04	
<i>For 4" Or 6" WG (Class A), Add</i>	209.15	
<i>For 10" WG (Class A), Add</i>	300.66	
<i>For Work In Restricted Working Space, Add</i>	196.08	
23 31 13 13-1108 LF 66" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	743.32	398.10
<i>For 3" WG (Class B), Add</i>	99.53	
<i>For 4" Or 6" WG (Class A), Add</i>	212.32	
<i>For 10" WG (Class A), Add</i>	305.21	
<i>For Work In Restricted Working Space, Add</i>	199.05	
23 31 13 13-1109 LF 66" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	754.42	404.05
<i>For 3" WG (Class B), Add</i>	101.01	
<i>For 4" Or 6" WG (Class A), Add</i>	215.49	
<i>For 10" WG (Class A), Add</i>	309.77	
<i>For Work In Restricted Working Space, Add</i>	202.02	
23 31 13 13-1110 LF 66" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	765.51	409.99
<i>For 3" WG (Class B), Add</i>	102.50	
<i>For 4" Or 6" WG (Class A), Add</i>	218.66	
<i>For 10" WG (Class A), Add</i>	314.32	
<i>For Work In Restricted Working Space, Add</i>	204.99	
23 31 13 13-1111 LF 68" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	754.42	404.05
<i>For 3" WG (Class B), Add</i>	101.01	
<i>For 4" Or 6" WG (Class A), Add</i>	215.49	
<i>For 10" WG (Class A), Add</i>	309.77	
<i>For Work In Restricted Working Space, Add</i>	202.02	
23 31 13 13-1112 LF 68" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	765.51	409.99
<i>For 3" WG (Class B), Add</i>	102.50	
<i>For 4" Or 6" WG (Class A), Add</i>	218.66	
<i>For 10" WG (Class A), Add</i>	314.32	
<i>For Work In Restricted Working Space, Add</i>	204.99	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1113	LF	68" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	776.61	415.92	
		<i>For 3" WG (Class B), Add</i>	103.98		
		<i>For 4" Or 6" WG (Class A), Add</i>	221.83		
		<i>For 10" WG (Class A), Add</i>	318.88		
		<i>For Work In Restricted Working Space, Add</i>	207.97		
23 31 13 13-1114	LF	68" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	787.70	421.87	
		<i>For 3" WG (Class B), Add</i>	105.47		
		<i>For 4" Or 6" WG (Class A), Add</i>	225.00		
		<i>For 10" WG (Class A), Add</i>	323.44		
		<i>For Work In Restricted Working Space, Add</i>	210.94		
23 31 13 13-1115	LF	70" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	776.61	415.92	
		<i>For 3" WG (Class B), Add</i>	103.98		
		<i>For 4" Or 6" WG (Class A), Add</i>	221.83		
		<i>For 10" WG (Class A), Add</i>	318.88		
		<i>For Work In Restricted Working Space, Add</i>	207.97		
23 31 13 13-1116	LF	70" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	787.70	421.87	
		<i>For 3" WG (Class B), Add</i>	105.47		
		<i>For 4" Or 6" WG (Class A), Add</i>	225.00		
		<i>For 10" WG (Class A), Add</i>	323.44		
		<i>For Work In Restricted Working Space, Add</i>	210.94		
23 31 13 13-1117	LF	70" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	798.81	427.82	
		<i>For 3" WG (Class B), Add</i>	106.95		
		<i>For 4" Or 6" WG (Class A), Add</i>	228.17		
		<i>For 10" WG (Class A), Add</i>	327.99		
		<i>For Work In Restricted Working Space, Add</i>	213.91		
23 31 13 13-1118	LF	70" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	809.90	433.76	
		<i>For 3" WG (Class B), Add</i>	108.44		
		<i>For 4" Or 6" WG (Class A), Add</i>	231.34		
		<i>For 10" WG (Class A), Add</i>	332.55		
		<i>For Work In Restricted Working Space, Add</i>	216.88		
23 31 13 13-1119	LF	70" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	820.99	439.70	
		<i>For 3" WG (Class B), Add</i>	109.92		
		<i>For 4" Or 6" WG (Class A), Add</i>	234.51		
		<i>For 10" WG (Class A), Add</i>	337.10		
		<i>For Work In Restricted Working Space, Add</i>	219.85		
23 31 13 13-1120	LF	70" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	832.06	445.64	
		<i>For 3" WG (Class B), Add</i>	111.41		
		<i>For 4" Or 6" WG (Class A), Add</i>	237.67		
		<i>For 10" WG (Class A), Add</i>	341.65		
		<i>For Work In Restricted Working Space, Add</i>	222.82		
23 31 13 13-1121	LF	70" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	843.16	451.58	
		<i>For 3" WG (Class B), Add</i>	112.89		
		<i>For 4" Or 6" WG (Class A), Add</i>	240.84		
		<i>For 10" WG (Class A), Add</i>	346.21		
		<i>For Work In Restricted Working Space, Add</i>	225.79		
23 31 13 13-1122	LF	70" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	854.28	457.53	
		<i>For 3" WG (Class B), Add</i>	114.38		
		<i>For 4" Or 6" WG (Class A), Add</i>	244.01		
		<i>For 10" WG (Class A), Add</i>	350.77		
		<i>For Work In Restricted Working Space, Add</i>	228.76		
23 31 13 13-1123	LF	70" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	865.36	463.46	
		<i>For 3" WG (Class B), Add</i>	115.87		
		<i>For 4" Or 6" WG (Class A), Add</i>	247.18		
		<i>For 10" WG (Class A), Add</i>	355.32		
		<i>For Work In Restricted Working Space, Add</i>	231.73		
23 31 13 13-1124	LF	72" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	798.81	427.82	
		<i>For 3" WG (Class B), Add</i>	106.95		
		<i>For 4" Or 6" WG (Class A), Add</i>	228.17		
		<i>For 10" WG (Class A), Add</i>	327.99		
		<i>For Work In Restricted Working Space, Add</i>	213.91		
23 31 13 13-1125	LF	72" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	809.90	433.76	
		<i>For 3" WG (Class B), Add</i>	108.44		
		<i>For 4" Or 6" WG (Class A), Add</i>	231.34		
		<i>For 10" WG (Class A), Add</i>	332.55		
		<i>For Work In Restricted Working Space, Add</i>	216.88		
23 31 13 13-1126	LF	72" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	820.99	439.70	
		<i>For 3" WG (Class B), Add</i>	109.92		
		<i>For 4" Or 6" WG (Class A), Add</i>	234.51		
		<i>For 10" WG (Class A), Add</i>	337.10		
		<i>For Work In Restricted Working Space, Add</i>	219.85		
23 31 13 13-1127	LF	72" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	832.06	445.64	
		<i>For 3" WG (Class B), Add</i>	111.41		
		<i>For 4" Or 6" WG (Class A), Add</i>	237.67		
		<i>For 10" WG (Class A), Add</i>	341.65		
		<i>For Work In Restricted Working Space, Add</i>	222.82		
23 31 13 13-1128	LF	72" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	843.16	451.58	
		<i>For 3" WG (Class B), Add</i>	112.89		
		<i>For 4" Or 6" WG (Class A), Add</i>	240.84		
		<i>For 10" WG (Class A), Add</i>	346.21		
		<i>For Work In Restricted Working Space, Add</i>	225.79		
23 31 13 13-1129	LF	72" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	854.28	457.53	
		<i>For 3" WG (Class B), Add</i>	114.38		
		<i>For 4" Or 6" WG (Class A), Add</i>	244.01		
		<i>For 10" WG (Class A), Add</i>	350.77		
		<i>For Work In Restricted Working Space, Add</i>	228.76		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1130 LF 72" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	865.36	463.46
<i>For 3" WG (Class B), Add</i>	115.87	
<i>For 4" Or 6" WG (Class A), Add</i>	247.18	
<i>For 10" WG (Class A), Add</i>	355.32	
<i>For Work In Restricted Working Space, Add</i>	231.73	
23 31 13 13-1131 LF 72" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	876.45	469.40
<i>For 3" WG (Class B), Add</i>	117.35	
<i>For 4" Or 6" WG (Class A), Add</i>	250.35	
<i>For 10" WG (Class A), Add</i>	359.88	
<i>For Work In Restricted Working Space, Add</i>	234.70	
23 31 13 13-1132 LF 74" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	820.99	439.70
<i>For 3" WG (Class B), Add</i>	109.92	
<i>For 4" Or 6" WG (Class A), Add</i>	234.51	
<i>For 10" WG (Class A), Add</i>	337.10	
<i>For Work In Restricted Working Space, Add</i>	219.85	
23 31 13 13-1133 LF 74" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	832.06	445.64
<i>For 3" WG (Class B), Add</i>	111.41	
<i>For 4" Or 6" WG (Class A), Add</i>	237.67	
<i>For 10" WG (Class A), Add</i>	341.65	
<i>For Work In Restricted Working Space, Add</i>	222.82	
23 31 13 13-1134 LF 74" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	843.16	451.58
<i>For 3" WG (Class B), Add</i>	112.89	
<i>For 4" Or 6" WG (Class A), Add</i>	240.84	
<i>For 10" WG (Class A), Add</i>	346.21	
<i>For Work In Restricted Working Space, Add</i>	225.79	
23 31 13 13-1135 LF 74" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	854.28	457.53
<i>For 3" WG (Class B), Add</i>	114.38	
<i>For 4" Or 6" WG (Class A), Add</i>	244.01	
<i>For 10" WG (Class A), Add</i>	350.77	
<i>For Work In Restricted Working Space, Add</i>	228.76	
23 31 13 13-1136 LF 74" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	865.36	463.46
<i>For 3" WG (Class B), Add</i>	115.87	
<i>For 4" Or 6" WG (Class A), Add</i>	247.18	
<i>For 10" WG (Class A), Add</i>	355.32	
<i>For Work In Restricted Working Space, Add</i>	231.73	
23 31 13 13-1137 LF 74" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	876.45	469.40
<i>For 3" WG (Class B), Add</i>	117.35	
<i>For 4" Or 6" WG (Class A), Add</i>	250.35	
<i>For 10" WG (Class A), Add</i>	359.88	
<i>For Work In Restricted Working Space, Add</i>	234.70	
23 31 13 13-1138 LF 74" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	887.54	475.35
<i>For 3" WG (Class B), Add</i>	118.84	
<i>For 4" Or 6" WG (Class A), Add</i>	253.52	
<i>For 10" WG (Class A), Add</i>	364.43	
<i>For Work In Restricted Working Space, Add</i>	237.67	
23 31 13 13-1139 LF 76" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	843.16	451.58
<i>For 3" WG (Class B), Add</i>	112.89	
<i>For 4" Or 6" WG (Class A), Add</i>	240.84	
<i>For 10" WG (Class A), Add</i>	346.21	
<i>For Work In Restricted Working Space, Add</i>	225.79	
23 31 13 13-1140 LF 76" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	854.28	457.53
<i>For 3" WG (Class B), Add</i>	114.38	
<i>For 4" Or 6" WG (Class A), Add</i>	244.01	
<i>For 10" WG (Class A), Add</i>	350.77	
<i>For Work In Restricted Working Space, Add</i>	228.76	
23 31 13 13-1141 LF 76" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	865.36	463.46
<i>For 3" WG (Class B), Add</i>	115.87	
<i>For 4" Or 6" WG (Class A), Add</i>	247.18	
<i>For 10" WG (Class A), Add</i>	355.32	
<i>For Work In Restricted Working Space, Add</i>	231.73	
23 31 13 13-1142 LF 76" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	876.45	469.40
<i>For 3" WG (Class B), Add</i>	117.35	
<i>For 4" Or 6" WG (Class A), Add</i>	250.35	
<i>For 10" WG (Class A), Add</i>	359.88	
<i>For Work In Restricted Working Space, Add</i>	234.70	
23 31 13 13-1143 LF 76" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	887.54	475.35
<i>For 3" WG (Class B), Add</i>	118.84	
<i>For 4" Or 6" WG (Class A), Add</i>	253.52	
<i>For 10" WG (Class A), Add</i>	364.43	
<i>For Work In Restricted Working Space, Add</i>	237.67	
23 31 13 13-1144 LF 76" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	898.64	481.29
<i>For 3" WG (Class B), Add</i>	120.32	
<i>For 4" Or 6" WG (Class A), Add</i>	256.69	
<i>For 10" WG (Class A), Add</i>	368.99	
<i>For Work In Restricted Working Space, Add</i>	240.65	
23 31 13 13-1145 LF 78" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	865.36	463.46
<i>For 3" WG (Class B), Add</i>	115.87	
<i>For 4" Or 6" WG (Class A), Add</i>	247.18	
<i>For 10" WG (Class A), Add</i>	355.32	
<i>For Work In Restricted Working Space, Add</i>	231.73	
23 31 13 13-1146 LF 78" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	876.45	469.40
<i>For 3" WG (Class B), Add</i>	117.35	
<i>For 4" Or 6" WG (Class A), Add</i>	250.35	
<i>For 10" WG (Class A), Add</i>	359.88	
<i>For Work In Restricted Working Space, Add</i>	234.70	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1147	LF		78" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	887.54	475.35
			<i>For 3" WG (Class B), Add</i>	118.84	
			<i>For 4" Or 6" WG (Class A), Add</i>	253.52	
			<i>For 10" WG (Class A), Add</i>	364.43	
			<i>For Work In Restricted Working Space, Add</i>	237.67	
23 31 13 13-1148	LF		78" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	898.64	481.29
			<i>For 3" WG (Class B), Add</i>	120.32	
			<i>For 4" Or 6" WG (Class A), Add</i>	256.69	
			<i>For 10" WG (Class A), Add</i>	368.99	
			<i>For Work In Restricted Working Space, Add</i>	240.65	
23 31 13 13-1149	LF		78" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	909.74	487.22
			<i>For 3" WG (Class B), Add</i>	121.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	259.86	
			<i>For 10" WG (Class A), Add</i>	373.54	
			<i>For Work In Restricted Working Space, Add</i>	243.62	
23 31 13 13-1150	LF		80" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	887.54	475.35
			<i>For 3" WG (Class B), Add</i>	118.84	
			<i>For 4" Or 6" WG (Class A), Add</i>	253.52	
			<i>For 10" WG (Class A), Add</i>	364.43	
			<i>For Work In Restricted Working Space, Add</i>	237.67	
23 31 13 13-1151	LF		80" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	898.64	481.29
			<i>For 3" WG (Class B), Add</i>	120.32	
			<i>For 4" Or 6" WG (Class A), Add</i>	256.69	
			<i>For 10" WG (Class A), Add</i>	368.99	
			<i>For Work In Restricted Working Space, Add</i>	240.65	
23 31 13 13-1152	LF		80" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	909.74	487.22
			<i>For 3" WG (Class B), Add</i>	121.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	259.86	
			<i>For 10" WG (Class A), Add</i>	373.54	
			<i>For Work In Restricted Working Space, Add</i>	243.62	
23 31 13 13-1153	LF		80" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	930.74	499.12
			<i>For 3" WG (Class B), Add</i>	124.78	
			<i>For 4" Or 6" WG (Class A), Add</i>	266.20	
			<i>For 10" WG (Class A), Add</i>	382.66	
			<i>For Work In Restricted Working Space, Add</i>	249.56	
23 31 13 13-1154	LF		82" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	909.74	487.22
			<i>For 3" WG (Class B), Add</i>	121.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	259.86	
			<i>For 10" WG (Class A), Add</i>	373.54	
			<i>For Work In Restricted Working Space, Add</i>	243.62	
23 31 13 13-1155	LF		82" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	920.84	493.18
			<i>For 3" WG (Class B), Add</i>	123.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	263.03	
			<i>For 10" WG (Class A), Add</i>	378.10	
			<i>For Work In Restricted Working Space, Add</i>	246.59	
23 31 13 13-1156	LF		82" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	931.93	499.12
			<i>For 3" WG (Class B), Add</i>	124.78	
			<i>For 4" Or 6" WG (Class A), Add</i>	266.20	
			<i>For 10" WG (Class A), Add</i>	382.66	
			<i>For Work In Restricted Working Space, Add</i>	249.56	
23 31 13 13-1157	LF		84" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	931.93	499.12
			<i>For 3" WG (Class B), Add</i>	124.78	
			<i>For 4" Or 6" WG (Class A), Add</i>	266.20	
			<i>For 10" WG (Class A), Add</i>	382.66	
			<i>For Work In Restricted Working Space, Add</i>	249.56	
23 31 13 13-1158	LF		84" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	943.03	505.06
			<i>For 3" WG (Class B), Add</i>	126.27	
			<i>For 4" Or 6" WG (Class A), Add</i>	269.37	
			<i>For 10" WG (Class A), Add</i>	387.21	
			<i>For Work In Restricted Working Space, Add</i>	252.53	
23 31 13 13-1159	LF		86" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	954.11	511.00
			<i>For 3" WG (Class B), Add</i>	127.75	
			<i>For 4" Or 6" WG (Class A), Add</i>	272.53	
			<i>For 10" WG (Class A), Add</i>	391.77	
			<i>For Work In Restricted Working Space, Add</i>	255.50	
23 31 13 13-1160			<b>Rework Sheet Metal Ductwork</b> <small>(23 31 13 13)</small>		
			Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.		
23 31 13 13-1161	LF		Up To 1 SF Cross Section, Rework Existing Ductwork.....	35.16	
23 31 13 13-1162	LF		>1 To 2 SF Cross Section, Rework Existing Ductwork.....	68.55	
23 31 13 13-1163	LF		>2 To 4 SF Cross Section, Rework Existing Ductwork.....	90.57	
23 31 13 13-1164	LF		>4 To 6 SF Cross Section, Rework Existing Ductwork.....	113.43	
23 31 13 13-1165	LF		>6 To 8 SF Cross Section, Rework Existing Ductwork.....	158.19	
23 31 13 13-1166	LF		>8 To 10 SF Cross Section, Rework Existing Ductwork.....	184.55	
23 31 13 13-1167	LF		>10 To 12 SF Cross Section, Rework Existing Ductwork.....	210.92	
23 31 13 13-1168	LF		>12 To 14 SF Cross Section, Rework Existing Ductwork.....	237.28	

**23 31 13 16 Round and Flat-Oval Spiral Ducts** (23 31 13)





MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0001	<b>Low Pressure Round And Flat-Oval Duct</b> <small>(23 31 13 16)</small> Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85 or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.		
23 31 13 16-0002	<b>2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Ducts</b> <small>(23 31 13 16-0001)</small> Note: Includes straps and supports.		
23 31 13 16-0003	LF 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct ..... 7.46 <i>For 3" WG (Class B), Add</i> 0.97 <i>For 4" Or 6" WG (Class A), Add</i> 2.58 <i>For 28 Gauge, Deduct</i> -0.14 <i>For 24 Gauge, Add</i> 0.14 <i>For 18 Gauge, Add</i> 0.56 <i>For 20 Gauge, Add</i> 0.42 <i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i> 0.75 <i>For 16 Gauge, Add</i> 0.68 <i>For 22 Gauge, Add</i> 0.28 <i>For Work In Restricted Working Space, Add</i> 1.94 <i>For Elevated Installation &gt;10' To 15', Add</i> 0.65 <i>For Elevated Installation &gt;15' To 20', Add</i> 1.29 <i>For Elevated Installation &gt;20' To 25', Add</i> 1.61 <i>For Elevated Installation &gt;25' To 30', Add</i> 2.26 <i>For Elevated Installation &gt;30' To 35', Add</i> 2.58 <i>For Elevated Installation &gt;35' To 40', Add</i> 3.23 <i>For Elevated Installation &gt;40', Add</i> 3.55		3.15
23 31 13 16-0004	LF 5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct ..... 8.45 <i>For 3" WG (Class B), Add</i> 1.07 <i>For 4" Or 6" WG (Class A), Add</i> 2.86 <i>For 28 Gauge, Deduct</i> -0.18 <i>For 24 Gauge, Add</i> 0.18 <i>For 18 Gauge, Add</i> 0.71 <i>For 20 Gauge, Add</i> 0.53 <i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i> 0.95 <i>For 16 Gauge, Add</i> 0.87 <i>For 22 Gauge, Add</i> 0.36 <i>For Work In Restricted Working Space, Add</i> 2.15 <i>For Elevated Installation &gt;10' To 15', Add</i> 0.72 <i>For Elevated Installation &gt;15' To 20', Add</i> 1.43 <i>For Elevated Installation &gt;20' To 25', Add</i> 1.79 <i>For Elevated Installation &gt;25' To 30', Add</i> 2.51 <i>For Elevated Installation &gt;30' To 35', Add</i> 2.86 <i>For Elevated Installation &gt;35' To 40', Add</i> 3.58 <i>For Elevated Installation &gt;40', Add</i> 3.94		3.58
23 31 13 16-0005	LF 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct ..... 9.53 <i>For 3" WG (Class B), Add</i> 1.21 <i>For 4" Or 6" WG (Class A), Add</i> 3.22 <i>For 28 Gauge, Deduct</i> -0.20 <i>For 24 Gauge, Add</i> 0.20 <i>For 18 Gauge, Add</i> 0.81 <i>For 20 Gauge, Add</i> 0.61 <i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i> 1.09 <i>For 16 Gauge, Add</i> 0.99 <i>For 22 Gauge, Add</i> 0.40 <i>For Work In Restricted Working Space, Add</i> 2.42 <i>For Elevated Installation &gt;10' To 15', Add</i> 0.81 <i>For Elevated Installation &gt;15' To 20', Add</i> 1.61 <i>For Elevated Installation &gt;20' To 25', Add</i> 2.02 <i>For Elevated Installation &gt;25' To 30', Add</i> 2.82 <i>For Elevated Installation &gt;30' To 35', Add</i> 3.22 <i>For Elevated Installation &gt;35' To 40', Add</i> 4.03 <i>For Elevated Installation &gt;40', Add</i> 4.43		4.29
23 31 13 16-0006	LF 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct ..... 10.95 <i>For 3" WG (Class B), Add</i> 1.38 <i>For 4" Or 6" WG (Class A), Add</i> 3.68 <i>For 28 Gauge, Deduct</i> -0.24 <i>For 24 Gauge, Add</i> 0.24 <i>For 18 Gauge, Add</i> 0.96 <i>For 20 Gauge, Add</i> 0.72 <i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i> 1.29 <i>For 16 Gauge, Add</i> 1.17 <i>For 22 Gauge, Add</i> 0.48 <i>For Work In Restricted Working Space, Add</i> 2.76 <i>For Elevated Installation &gt;10' To 15', Add</i> 0.92 <i>For Elevated Installation &gt;15' To 20', Add</i> 1.84 <i>For Elevated Installation &gt;20' To 25', Add</i> 2.30 <i>For Elevated Installation &gt;25' To 30', Add</i> 3.22 <i>For Elevated Installation &gt;30' To 35', Add</i> 3.68 <i>For Elevated Installation &gt;35' To 40', Add</i> 4.61 <i>For Elevated Installation &gt;40', Add</i> 5.07		5.02

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 16-0007	LF	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	12.67	5.73
			For 3" WG (Class B), Add	1.61	
			For 4" Or 6" WG (Class A), Add	4.30	
			For 28 Gauge, Deduct	-0.27	
			For 24 Gauge, Add	0.27	
			For 18 Gauge, Add	1.06	
			For 20 Gauge, Add	0.80	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.43	
			For 16 Gauge, Add	1.30	
			For 22 Gauge, Add	0.53	
			For Work In Restricted Working Space, Add	3.22	
			For Elevated Installation >10' To 15', Add	1.07	
			For Elevated Installation >15' To 20', Add	2.15	
			For Elevated Installation >20' To 25', Add	2.69	
			For Elevated Installation >25' To 30', Add	3.76	
			For Elevated Installation >30' To 35', Add	4.30	
			For Elevated Installation >35' To 40', Add	5.37	
			For Elevated Installation >40', Add	5.91	
23 31	13 16-0008	LF	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	15.27	7.16
			For 3" WG (Class B), Add	1.93	
			For 4" Or 6" WG (Class A), Add	5.16	
			For 28 Gauge, Deduct	-0.33	
			For 24 Gauge, Add	0.33	
			For 18 Gauge, Add	1.31	
			For 20 Gauge, Add	0.99	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.76	
			For 16 Gauge, Add	1.61	
			For 22 Gauge, Add	0.66	
			For Work In Restricted Working Space, Add	3.87	
			For Elevated Installation >10' To 15', Add	1.29	
			For Elevated Installation >15' To 20', Add	2.58	
			For Elevated Installation >20' To 25', Add	3.22	
			For Elevated Installation >25' To 30', Add	4.51	
			For Elevated Installation >30' To 35', Add	5.16	
			For Elevated Installation >35' To 40', Add	6.45	
			For Elevated Installation >40', Add	7.09	
23 31	13 16-0009	LF	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	19.05	9.60
			For 3" WG (Class B), Add	2.42	
			For 4" Or 6" WG (Class A), Add	6.45	
			For 28 Gauge, Deduct	-0.41	
			For 24 Gauge, Add	0.40	
			For 18 Gauge, Add	1.61	
			For 20 Gauge, Add	1.21	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.17	
			For 16 Gauge, Add	1.98	
			For 22 Gauge, Add	0.81	
			For Work In Restricted Working Space, Add	4.84	
			For Elevated Installation >10' To 15', Add	1.61	
			For Elevated Installation >15' To 20', Add	3.22	
			For Elevated Installation >20' To 25', Add	4.03	
			For Elevated Installation >25' To 30', Add	5.64	
			For Elevated Installation >30' To 35', Add	6.45	
			For Elevated Installation >35' To 40', Add	8.06	
			For Elevated Installation >40', Add	8.87	
23 31	13 16-0010	LF	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	23.56	14.33
			For 3" WG (Class B), Add	3.02	
			For 4" Or 6" WG (Class A), Add	8.06	
			For 28 Gauge, Deduct	-0.47	
			For 24 Gauge, Add	0.47	
			For 18 Gauge, Add	1.88	
			For 20 Gauge, Add	1.41	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.52	
			For 16 Gauge, Add	2.30	
			For 22 Gauge, Add	0.94	
			For Work In Restricted Working Space, Add	6.05	
			For Elevated Installation >10' To 15', Add	2.02	
			For Elevated Installation >15' To 20', Add	4.03	
			For Elevated Installation >20' To 25', Add	5.04	
			For Elevated Installation >25' To 30', Add	7.05	
			For Elevated Installation >30' To 35', Add	8.06	
			For Elevated Installation >35' To 40', Add	10.08	
			For Elevated Installation >40', Add	11.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0011 LF 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	31.92	19.20
For 3" WG (Class B), Add	4.03	
For 4" Or 6" WG (Class A), Add	10.75	
For 28 Gauge, Deduct	-0.70	
For 24 Gauge, Add	0.70	
For 18 Gauge, Add	2.78	
For 20 Gauge, Add	2.09	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.74	
For 16 Gauge, Add	3.41	
For 22 Gauge, Add	1.39	
For Work In Restricted Working Space, Add	8.06	
For Elevated Installation >10' To 15', Add	2.69	
For Elevated Installation >15' To 20', Add	5.37	
For Elevated Installation >20' To 25', Add	6.72	
For Elevated Installation >25' To 30', Add	9.40	
For Elevated Installation >30' To 35', Add	10.75	
For Elevated Installation >35' To 40', Add	13.44	
For Elevated Installation >40', Add	14.78	
23 31 13 16-0012 LF 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	37.85	23.07
For 28 Gauge, Deduct	-0.78	
For 24 Gauge, Add	0.77	
For 18 Gauge, Add	3.09	
For 20 Gauge, Add	2.32	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.15	
For 16 Gauge, Add	3.79	
For 22 Gauge, Add	1.55	
For Work In Restricted Working Space, Add	9.67	
For Elevated Installation >10' To 15', Add	3.22	
For Elevated Installation >15' To 20', Add	6.45	
For Elevated Installation >20' To 25', Add	8.06	
For Elevated Installation >25' To 30', Add	11.28	
For Elevated Installation >30' To 35', Add	12.90	
For Elevated Installation >35' To 40', Add	16.12	
For Elevated Installation >40', Add	17.73	
23 31 13 16-0013 LF 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	43.51	26.65
For 28 Gauge, Deduct	-0.87	
For 24 Gauge, Add	0.86	
For 18 Gauge, Add	3.44	
For 20 Gauge, Add	2.59	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.63	
For 16 Gauge, Add	4.22	
For 22 Gauge, Add	1.72	
For Work In Restricted Working Space, Add	11.18	
For Elevated Installation >10' To 15', Add	3.73	
For Elevated Installation >15' To 20', Add	7.45	
For Elevated Installation >20' To 25', Add	9.32	
For Elevated Installation >25' To 30', Add	13.04	
For Elevated Installation >30' To 35', Add	14.90	
For Elevated Installation >35' To 40', Add	18.63	
For Elevated Installation >40', Add	20.49	
<b>23 31 13 16-0014 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows</b> <small>(23 31 13 16-0001)</small>		
Note: Up to 90 degree.		
23 31 13 16-0015 EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow .....	43.01	19.13
For 3" WG (Class B), Add	5.74	
For 4" Or 6" WG (Class A), Add	15.30	
For 28 Gauge, Deduct	-0.66	
For 24 Gauge, Add	0.66	
For 18 Gauge, Add	2.61	
For 20 Gauge, Add	1.97	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.52	
For 16 Gauge, Add	3.21	
For 22 Gauge, Add	1.31	
For Work In Restricted Working Space, Add	11.48	
For Elevated Installation >10' To 15', Add	3.83	
For Elevated Installation >15' To 20', Add	7.65	
For Elevated Installation >20' To 25', Add	9.57	
For Elevated Installation >25' To 30', Add	13.39	
For Elevated Installation >30' To 35', Add	15.30	
For Elevated Installation >35' To 40', Add	19.13	
For Elevated Installation >40', Add	21.04	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 31 13 16-0016	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	49.31	22.07
		For 3" WG (Class B), Add	6.62	
		For 4" Or 6" WG (Class A), Add	17.66	
		For 28 Gauge, Deduct	-0.72	
		For 24 Gauge, Add	0.71	
		For 18 Gauge, Add	2.84	
		For 20 Gauge, Add	2.14	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.83	
		For 16 Gauge, Add	3.49	
		For 22 Gauge, Add	1.42	
		For Work In Restricted Working Space, Add	13.24	
		For Elevated Installation >10' To 15', Add	4.41	
		For Elevated Installation >15' To 20', Add	8.83	
		For Elevated Installation >20' To 25', Add	11.04	
		For Elevated Installation >25' To 30', Add	15.45	
		For Elevated Installation >30' To 35', Add	17.66	
		For Elevated Installation >35' To 40', Add	22.07	
		For Elevated Installation >40', Add	24.28	
23 31 13 16-0017	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	57.97	26.08
		For 3" WG (Class B), Add	7.82	
		For 4" Or 6" WG (Class A), Add	20.86	
		For 28 Gauge, Deduct	-0.81	
		For 24 Gauge, Add	0.80	
		For 18 Gauge, Add	3.20	
		For 20 Gauge, Add	2.41	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.31	
		For 16 Gauge, Add	3.93	
		For 22 Gauge, Add	1.60	
		For Work In Restricted Working Space, Add	15.65	
		For Elevated Installation >10' To 15', Add	5.22	
		For Elevated Installation >15' To 20', Add	10.43	
		For Elevated Installation >20' To 25', Add	13.04	
		For Elevated Installation >25' To 30', Add	18.25	
		For Elevated Installation >30' To 35', Add	20.86	
		For Elevated Installation >35' To 40', Add	26.08	
		For Elevated Installation >40', Add	28.68	
23 31 13 16-0018	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	74.21	33.52
		For 3" WG (Class B), Add	10.06	
		For 4" Or 6" WG (Class A), Add	26.82	
		For 28 Gauge, Deduct	-0.99	
		For 24 Gauge, Add	0.99	
		For 18 Gauge, Add	3.93	
		For 20 Gauge, Add	2.96	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.29	
		For 16 Gauge, Add	4.83	
		For 22 Gauge, Add	1.97	
		For Work In Restricted Working Space, Add	20.12	
		For Elevated Installation >10' To 15', Add	6.71	
		For Elevated Installation >15' To 20', Add	13.41	
		For Elevated Installation >20' To 25', Add	16.77	
		For Elevated Installation >25' To 30', Add	23.47	
		For Elevated Installation >30' To 35', Add	26.82	
		For Elevated Installation >35' To 40', Add	33.53	
		For Elevated Installation >40', Add	36.88	
23 31 13 16-0019	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	89.39	40.84
		For 3" WG (Class B), Add	12.25	
		For 4" Or 6" WG (Class A), Add	32.67	
		For 28 Gauge, Deduct	-1.07	
		For 24 Gauge, Add	1.07	
		For 18 Gauge, Add	4.25	
		For 20 Gauge, Add	3.20	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.71	
		For 16 Gauge, Add	5.21	
		For 22 Gauge, Add	2.13	
		For Work In Restricted Working Space, Add	24.50	
		For Elevated Installation >10' To 15', Add	8.17	
		For Elevated Installation >15' To 20', Add	16.33	
		For Elevated Installation >20' To 25', Add	20.42	
		For Elevated Installation >25' To 30', Add	28.58	
		For Elevated Installation >30' To 35', Add	32.67	
		For Elevated Installation >35' To 40', Add	40.84	
		For Elevated Installation >40', Add	44.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0020 EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable		
Elbow.....	137.72	63.76
For 3" WG (Class B), Add	19.13	
For 4" Or 6" WG (Class A), Add	51.01	
For 28 Gauge, Deduct	-1.41	
For 24 Gauge, Add	1.41	
For 18 Gauge, Add	5.60	
For 20 Gauge, Add	4.22	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.54	
For 16 Gauge, Add	6.88	
For 22 Gauge, Add	2.81	
For Work In Restricted Working Space, Add	38.26	
For Elevated Installation >10' To 15', Add	12.75	
For Elevated Installation >15' To 20', Add	25.51	
For Elevated Installation >20' To 25', Add	31.88	
For Elevated Installation >25' To 30', Add	44.64	
For Elevated Installation >30' To 35', Add	51.01	
For Elevated Installation >35' To 40', Add	63.77	
For Elevated Installation >40', Add	70.14	
23 31 13 16-0021 EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable		
Elbow.....	190.04	88.12
For 3" WG (Class B), Add	26.44	
For 4" Or 6" WG (Class A), Add	70.50	
For 28 Gauge, Deduct	-1.91	
For 24 Gauge, Add	1.90	
For 18 Gauge, Add	7.59	
For 20 Gauge, Add	5.71	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.21	
For 16 Gauge, Add	9.32	
For 22 Gauge, Add	3.80	
For Work In Restricted Working Space, Add	52.87	
For Elevated Installation >10' To 15', Add	17.62	
For Elevated Installation >15' To 20', Add	35.25	
For Elevated Installation >20' To 25', Add	44.06	
For Elevated Installation >25' To 30', Add	61.68	
For Elevated Installation >30' To 35', Add	70.50	
For Elevated Installation >35' To 40', Add	88.12	
For Elevated Installation >40', Add	96.93	
23 31 13 16-0022 EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable		
Elbow.....	229.64	104.24
For 3" WG (Class B), Add	31.27	
For 4" Or 6" WG (Class A), Add	83.39	
For 28 Gauge, Deduct	-2.93	
For 24 Gauge, Add	2.92	
For 18 Gauge, Add	11.64	
For 20 Gauge, Add	8.76	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.66	
For 16 Gauge, Add	14.28	
For 22 Gauge, Add	5.83	
For Work In Restricted Working Space, Add	62.54	
For Elevated Installation >10' To 15', Add	20.85	
For Elevated Installation >15' To 20', Add	41.70	
For Elevated Installation >20' To 25', Add	52.12	
For Elevated Installation >25' To 30', Add	72.97	
For Elevated Installation >30' To 35', Add	83.39	
For Elevated Installation >35' To 40', Add	104.24	
For Elevated Installation >40', Add	114.66	
23 31 13 16-0023 EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable		
Elbow.....	259.59	114.62
For 3" WG (Class B), Add	34.39	
For 4" Or 6" WG (Class A), Add	91.70	
For 28 Gauge, Deduct	-4.20	
For 24 Gauge, Add	4.19	
For 18 Gauge, Add	16.68	
For 20 Gauge, Add	12.56	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.44	
For 16 Gauge, Add	20.47	
For 22 Gauge, Add	8.36	
For Work In Restricted Working Space, Add	68.78	
For Elevated Installation >10' To 15', Add	22.93	
For Elevated Installation >15' To 20', Add	45.85	
For Elevated Installation >20' To 25', Add	57.32	
For Elevated Installation >25' To 30', Add	80.24	
For Elevated Installation >30' To 35', Add	91.70	
For Elevated Installation >35' To 40', Add	114.63	
For Elevated Installation >40', Add	126.09	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 31 13 16-0024	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	283.98	119.28
		For 3" WG (Class B), Add	35.79	
		For 4" Or 6" WG (Class A), Add	95.43	
		For 28 Gauge, Deduct	-6.29	
		For 24 Gauge, Add	6.27	
		For 18 Gauge, Add	24.98	
		For 20 Gauge, Add	18.80	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.60	
		For 16 Gauge, Add	30.65	
		For 22 Gauge, Add	12.51	
		For Work In Restricted Working Space, Add	71.57	
		For Elevated Installation >10' To 15', Add	23.86	
		For Elevated Installation >15' To 20', Add	47.71	
		For Elevated Installation >20' To 25', Add	59.64	
		For Elevated Installation >25' To 30', Add	83.50	
		For Elevated Installation >30' To 35', Add	95.43	
		For Elevated Installation >35' To 40', Add	119.29	
		For Elevated Installation >40', Add	131.21	
		For 10" WG (Class A), Add	109.74	
23 31 13 16-0025	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	306.98	123.22
		For 3" WG (Class B), Add	36.97	
		For 4" Or 6" WG (Class A), Add	98.58	
		For 28 Gauge, Deduct	-8.38	
		For 24 Gauge, Add	8.35	
		For 18 Gauge, Add	33.30	
		For 20 Gauge, Add	25.06	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	44.80	
		For 16 Gauge, Add	40.86	
		For 22 Gauge, Add	16.68	
		For Work In Restricted Working Space, Add	73.93	
		For Elevated Installation >10' To 15', Add	24.64	
		For Elevated Installation >15' To 20', Add	49.29	
		For Elevated Installation >20' To 25', Add	61.61	
		For Elevated Installation >25' To 30', Add	86.25	
		For Elevated Installation >30' To 35', Add	98.58	
		For Elevated Installation >35' To 40', Add	123.22	
		For Elevated Installation >40', Add	135.54	
		For 10" WG (Class A), Add	113.36	
23 31 13 16-0026		2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows <small>(23 31 13 16-0001)</small>		
23 31 13 16-0027	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	36.23	12.89
		For 3" WG (Class B), Add	4.84	
		For 4" Or 6" WG (Class A), Add	12.90	
		For 28 Gauge, Deduct	-0.55	
		For 24 Gauge, Add	0.55	
		For 18 Gauge, Add	2.19	
		For 20 Gauge, Add	1.65	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.95	
		For 16 Gauge, Add	2.69	
		For 22 Gauge, Add	1.10	
		For Work In Restricted Working Space, Add	9.67	
		For Elevated Installation >10' To 15', Add	3.22	
		For Elevated Installation >15' To 20', Add	6.45	
		For Elevated Installation >20' To 25', Add	8.06	
		For Elevated Installation >25' To 30', Add	11.28	
		For Elevated Installation >30' To 35', Add	12.90	
		For Elevated Installation >35' To 40', Add	16.12	
		For Elevated Installation >40', Add	17.73	
23 31 13 16-0028	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	41.39	14.76
		For 3" WG (Class B), Add	5.53	
		For 4" Or 6" WG (Class A), Add	14.74	
		For 28 Gauge, Deduct	-0.63	
		For 24 Gauge, Add	0.63	
		For 18 Gauge, Add	2.50	
		For 20 Gauge, Add	1.88	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.37	
		For 16 Gauge, Add	3.07	
		For 22 Gauge, Add	1.25	
		For Work In Restricted Working Space, Add	11.05	
		For Elevated Installation >10' To 15', Add	3.68	
		For Elevated Installation >15' To 20', Add	7.37	
		For Elevated Installation >20' To 25', Add	9.21	
		For Elevated Installation >25' To 30', Add	12.89	
		For Elevated Installation >30' To 35', Add	14.74	
		For Elevated Installation >35' To 40', Add	18.42	
		For Elevated Installation >40', Add	20.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0029 EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree		
Elbow.....	48.18	17.19
<i>For 3" WG (Class B), Add</i>	6.45	
<i>For 4" Or 6" WG (Class A), Add</i>	17.20	
<i>For 28 Gauge, Deduct</i>	-0.72	
<i>For 24 Gauge, Add</i>	0.72	
<i>For 18 Gauge, Add</i>	2.85	
<i>For 20 Gauge, Add</i>	2.15	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.84	
<i>For 16 Gauge, Add</i>	3.50	
<i>For 22 Gauge, Add</i>	1.43	
<i>For Work In Restricted Working Space, Add</i>	12.90	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.30	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.60	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.75	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.05	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.20	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.50	
<i>For Elevated Installation &gt;40', Add</i>	23.64	
23 31 13 16-0030 EA 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree		
Elbow.....	57.07	20.63
<i>For 3" WG (Class B), Add</i>	7.74	
<i>For 4" Or 6" WG (Class A), Add</i>	20.63	
<i>For 28 Gauge, Deduct</i>	-0.76	
<i>For 24 Gauge, Add</i>	0.76	
<i>For 18 Gauge, Add</i>	3.02	
<i>For 20 Gauge, Add</i>	2.27	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.06	
<i>For 16 Gauge, Add</i>	3.71	
<i>For 22 Gauge, Add</i>	1.51	
<i>For Work In Restricted Working Space, Add</i>	15.47	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.16	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.32	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.90	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.05	
<i>For Elevated Installation &gt;30' To 35', Add</i>	20.63	
<i>For Elevated Installation &gt;35' To 40', Add</i>	25.79	
<i>For Elevated Installation &gt;40', Add</i>	28.37	
23 31 13 16-0031 EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree		
Elbow.....	70.85	25.79
<i>For 3" WG (Class B), Add</i>	9.67	
<i>For 4" Or 6" WG (Class A), Add</i>	25.79	
<i>For 28 Gauge, Deduct</i>	-0.88	
<i>For 24 Gauge, Add</i>	0.88	
<i>For 18 Gauge, Add</i>	3.51	
<i>For 20 Gauge, Add</i>	2.64	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.72	
<i>For 16 Gauge, Add</i>	4.31	
<i>For 22 Gauge, Add</i>	1.76	
<i>For Work In Restricted Working Space, Add</i>	19.34	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.45	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.89	
<i>For Elevated Installation &gt;20' To 25', Add</i>	16.12	
<i>For Elevated Installation &gt;25' To 30', Add</i>	22.56	
<i>For Elevated Installation &gt;30' To 35', Add</i>	25.79	
<i>For Elevated Installation &gt;35' To 40', Add</i>	32.24	
<i>For Elevated Installation &gt;40', Add</i>	35.46	
23 31 13 16-0032 EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree		
Elbow.....	95.08	34.39
<i>For 3" WG (Class B), Add</i>	12.90	
<i>For 4" Or 6" WG (Class A), Add</i>	34.39	
<i>For 28 Gauge, Deduct</i>	-1.26	
<i>For 24 Gauge, Add</i>	1.26	
<i>For 18 Gauge, Add</i>	5.01	
<i>For 20 Gauge, Add</i>	3.77	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.74	
<i>For 16 Gauge, Add</i>	6.15	
<i>For 22 Gauge, Add</i>	2.51	
<i>For Work In Restricted Working Space, Add</i>	25.79	
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.60	
<i>For Elevated Installation &gt;15' To 20', Add</i>	17.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	21.49	
<i>For Elevated Installation &gt;25' To 30', Add</i>	30.09	
<i>For Elevated Installation &gt;30' To 35', Add</i>	34.39	
<i>For Elevated Installation &gt;35' To 40', Add</i>	42.99	
<i>For Elevated Installation &gt;40', Add</i>	47.28	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0033	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	141.01	51.58
		<i>For 3" WG (Class B), Add</i>	19.34	
		<i>For 4" Or 6" WG (Class A), Add</i>	51.58	
		<i>For 28 Gauge, Deduct</i>	-1.67	
		<i>For 24 Gauge, Add</i>	1.66	
		<i>For 18 Gauge, Add</i>	6.63	
		<i>For 20 Gauge, Add</i>	4.99	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.92	
		<i>For 16 Gauge, Add</i>	8.13	
		<i>For 22 Gauge, Add</i>	3.32	
		<i>For Work In Restricted Working Space, Add</i>	38.69	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.90	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	25.79	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	32.24	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	45.14	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	51.58	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	64.48	
		<i>For Elevated Installation &gt;40', Add</i>	70.93	
23 31 13 16-0034	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	187.34	65.91
		<i>For 3" WG (Class B), Add</i>	24.72	
		<i>For 4" Or 6" WG (Class A), Add</i>	65.91	
		<i>For 28 Gauge, Deduct</i>	-3.12	
		<i>For 24 Gauge, Add</i>	3.11	
		<i>For 18 Gauge, Add</i>	12.41	
		<i>For 20 Gauge, Add</i>	9.34	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	16.69	
		<i>For 16 Gauge, Add</i>	15.23	
		<i>For 22 Gauge, Add</i>	6.22	
		<i>For Work In Restricted Working Space, Add</i>	49.43	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	16.48	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	32.96	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	41.20	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	57.67	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	65.91	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	82.39	
		<i>For Elevated Installation &gt;40', Add</i>	90.63	
23 31 13 16-0035	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	235.37	83.10
		<i>For 3" WG (Class B), Add</i>	31.16	
		<i>For 4" Or 6" WG (Class A), Add</i>	83.10	
		<i>For 28 Gauge, Deduct</i>	-3.82	
		<i>For 24 Gauge, Add</i>	3.81	
		<i>For 18 Gauge, Add</i>	15.19	
		<i>For 20 Gauge, Add</i>	11.43	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	20.43	
		<i>For 16 Gauge, Add</i>	18.64	
		<i>For 22 Gauge, Add</i>	7.61	
		<i>For Work In Restricted Working Space, Add</i>	62.33	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	20.78	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	41.55	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	51.94	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	72.72	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	83.10	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	103.88	
		<i>For Elevated Installation &gt;40', Add</i>	114.27	
23 31 13 16-0036	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	259.25	86.69
		<i>For 3" WG (Class B), Add</i>	32.45	
		<i>For 4" Or 6" WG (Class A), Add</i>	86.54	
		<i>For 28 Gauge, Deduct</i>	-5.94	
		<i>For 24 Gauge, Add</i>	5.92	
		<i>For 18 Gauge, Add</i>	23.59	
		<i>For 20 Gauge, Add</i>	17.76	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	31.74	
		<i>For 16 Gauge, Add</i>	28.95	
		<i>For 22 Gauge, Add</i>	11.82	
		<i>For Work In Restricted Working Space, Add</i>	64.91	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	21.64	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	43.27	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	54.09	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	75.73	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	86.54	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	108.18	
		<i>For Elevated Installation &gt;40', Add</i>	119.00	
		<i>For 10" WG (Class A), Add</i>	99.53	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0037 EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	279.27	88.83
For 3" WG (Class B), Add	33.31	
For 4" Or 6" WG (Class A), Add	88.84	
For 28 Gauge, Deduct	-7.92	
For 24 Gauge, Add	7.89	
For 18 Gauge, Add	31.45	
For 20 Gauge, Add	23.67	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.31	
For 16 Gauge, Add	38.60	
For 22 Gauge, Add	15.75	
For Work In Restricted Working Space, Add	66.63	
For Elevated Installation >10' To 15', Add	22.21	
For Elevated Installation >15' To 20', Add	44.42	
For Elevated Installation >20' To 25', Add	55.52	
For Elevated Installation >25' To 30', Add	77.73	
For Elevated Installation >30' To 35', Add	88.84	
For Elevated Installation >35' To 40', Add	111.05	
For Elevated Installation >40', Add	122.15	
For 10" WG (Class A), Add	102.16	
<b>23 31 13 16-0038 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows (23 31 13 16-0001)</b>		
23 31 13 16-0039 EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	34.75	12.89
For 3" WG (Class B), Add	4.84	
For 4" Or 6" WG (Class A), Add	12.90	
For 28 Gauge, Deduct	-0.35	
For 24 Gauge, Add	0.35	
For 18 Gauge, Add	1.38	
For 20 Gauge, Add	1.04	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.86	
For 16 Gauge, Add	1.69	
For 22 Gauge, Add	0.69	
For Work In Restricted Working Space, Add	9.67	
For Elevated Installation >10' To 15', Add	3.22	
For Elevated Installation >15' To 20', Add	6.45	
For Elevated Installation >20' To 25', Add	8.06	
For Elevated Installation >25' To 30', Add	11.28	
For Elevated Installation >30' To 35', Add	12.90	
For Elevated Installation >35' To 40', Add	16.12	
For Elevated Installation >40', Add	17.73	
23 31 13 16-0040 EA 5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	40.06	14.76
For 3" WG (Class B), Add	5.53	
For 4" Or 6" WG (Class A), Add	14.74	
For 28 Gauge, Deduct	-0.45	
For 24 Gauge, Add	0.44	
For 18 Gauge, Add	1.77	
For 20 Gauge, Add	1.33	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.38	
For 16 Gauge, Add	2.17	
For 22 Gauge, Add	0.89	
For Work In Restricted Working Space, Add	11.05	
For Elevated Installation >10' To 15', Add	3.68	
For Elevated Installation >15' To 20', Add	7.37	
For Elevated Installation >20' To 25', Add	9.21	
For Elevated Installation >25' To 30', Add	12.89	
For Elevated Installation >30' To 35', Add	14.74	
For Elevated Installation >35' To 40', Add	18.42	
For Elevated Installation >40', Add	20.26	
23 31 13 16-0041 EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	46.51	17.19
For 3" WG (Class B), Add	6.45	
For 4" Or 6" WG (Class A), Add	17.20	
For 28 Gauge, Deduct	-0.49	
For 24 Gauge, Add	0.49	
For 18 Gauge, Add	1.94	
For 20 Gauge, Add	1.46	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.60	
For 16 Gauge, Add	2.38	
For 22 Gauge, Add	0.97	
For Work In Restricted Working Space, Add	12.90	
For Elevated Installation >10' To 15', Add	4.30	
For Elevated Installation >15' To 20', Add	8.60	
For Elevated Installation >20' To 25', Add	10.75	
For Elevated Installation >25' To 30', Add	15.05	
For Elevated Installation >30' To 35', Add	17.20	
For Elevated Installation >35' To 40', Add	21.50	
For Elevated Installation >40', Add	23.64	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 31 13 16-0042	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	55.66	20.63
		For 3" WG (Class B), Add	7.74	
		For 4" Or 6" WG (Class A), Add	20.63	
		For 28 Gauge, Deduct	-0.57	
		For 24 Gauge, Add	0.56	
		For 18 Gauge, Add	2.24	
		For 20 Gauge, Add	1.69	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.02	
		For 16 Gauge, Add	2.75	
		For 22 Gauge, Add	1.12	
		For Work In Restricted Working Space, Add	15.47	
		For Elevated Installation >10' To 15', Add	5.16	
		For Elevated Installation >15' To 20', Add	10.32	
		For Elevated Installation >20' To 25', Add	12.90	
		For Elevated Installation >25' To 30', Add	18.05	
		For Elevated Installation >30' To 35', Add	20.63	
		For Elevated Installation >35' To 40', Add	25.79	
		For Elevated Installation >40', Add	28.37	
23 31 13 16-0043	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	69.11	25.79
		For 3" WG (Class B), Add	9.67	
		For 4" Or 6" WG (Class A), Add	25.79	
		For 28 Gauge, Deduct	-0.64	
		For 24 Gauge, Add	0.64	
		For 18 Gauge, Add	2.55	
		For 20 Gauge, Add	1.92	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.43	
		For 16 Gauge, Add	3.13	
		For 22 Gauge, Add	1.28	
		For Work In Restricted Working Space, Add	19.34	
		For Elevated Installation >10' To 15', Add	6.45	
		For Elevated Installation >15' To 20', Add	12.89	
		For Elevated Installation >20' To 25', Add	16.12	
		For Elevated Installation >25' To 30', Add	22.56	
		For Elevated Installation >30' To 35', Add	25.79	
		For Elevated Installation >35' To 40', Add	32.24	
		For Elevated Installation >40', Add	35.46	
23 31 13 16-0044	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	93.05	34.39
		For 3" WG (Class B), Add	12.90	
		For 4" Or 6" WG (Class A), Add	34.39	
		For 28 Gauge, Deduct	-0.98	
		For 24 Gauge, Add	0.98	
		For 18 Gauge, Add	3.89	
		For 20 Gauge, Add	2.93	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.24	
		For 16 Gauge, Add	4.78	
		For 22 Gauge, Add	1.95	
		For Work In Restricted Working Space, Add	25.79	
		For Elevated Installation >10' To 15', Add	8.60	
		For Elevated Installation >15' To 20', Add	17.19	
		For Elevated Installation >20' To 25', Add	21.49	
		For Elevated Installation >25' To 30', Add	30.09	
		For Elevated Installation >30' To 35', Add	34.39	
		For Elevated Installation >35' To 40', Add	42.99	
		For Elevated Installation >40', Add	47.28	
23 31 13 16-0045	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	138.07	51.58
		For 3" WG (Class B), Add	19.34	
		For 4" Or 6" WG (Class A), Add	51.58	
		For 28 Gauge, Deduct	-1.26	
		For 24 Gauge, Add	1.26	
		For 18 Gauge, Add	5.01	
		For 20 Gauge, Add	3.77	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.74	
		For 16 Gauge, Add	6.15	
		For 22 Gauge, Add	2.51	
		For Work In Restricted Working Space, Add	38.69	
		For Elevated Installation >10' To 15', Add	12.90	
		For Elevated Installation >15' To 20', Add	25.79	
		For Elevated Installation >20' To 25', Add	32.24	
		For Elevated Installation >25' To 30', Add	45.14	
		For Elevated Installation >30' To 35', Add	51.58	
		For Elevated Installation >35' To 40', Add	64.48	
		For Elevated Installation >40', Add	70.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0046 EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	180.55	65.91
For 3" WG (Class B), Add	24.72	
For 4" Or 6" WG (Class A), Add	65.91	
For 28 Gauge, Deduct	-2.18	
For 24 Gauge, Add	2.18	
For 18 Gauge, Add	8.67	
For 20 Gauge, Add	6.53	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.67	
For 16 Gauge, Add	10.64	
For 22 Gauge, Add	4.34	
For Work In Restricted Working Space, Add	49.43	
For Elevated Installation >10' To 15', Add	16.48	
For Elevated Installation >15' To 20', Add	32.96	
For Elevated Installation >20' To 25', Add	41.20	
For Elevated Installation >25' To 30', Add	57.67	
For Elevated Installation >30' To 35', Add	65.91	
For Elevated Installation >35' To 40', Add	82.39	
For Elevated Installation >40', Add	90.63	
23 31 13 16-0047 EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	233.62	83.10
For 3" WG (Class B), Add	31.16	
For 4" Or 6" WG (Class A), Add	83.10	
For 28 Gauge, Deduct	-3.58	
For 24 Gauge, Add	3.57	
For 18 Gauge, Add	14.22	
For 20 Gauge, Add	10.71	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.14	
For 16 Gauge, Add	17.46	
For 22 Gauge, Add	7.12	
For Work In Restricted Working Space, Add	62.33	
For Elevated Installation >10' To 15', Add	20.78	
For Elevated Installation >15' To 20', Add	41.55	
For Elevated Installation >20' To 25', Add	51.94	
For Elevated Installation >25' To 30', Add	72.72	
For Elevated Installation >30' To 35', Add	83.10	
For Elevated Installation >35' To 40', Add	103.88	
For Elevated Installation >40', Add	114.27	
23 31 13 16-0048 EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	247.61	86.99
For 3" WG (Class B), Add	32.45	
For 4" Or 6" WG (Class A), Add	86.54	
For 28 Gauge, Deduct	-4.33	
For 24 Gauge, Add	4.31	
For 18 Gauge, Add	17.19	
For 20 Gauge, Add	12.94	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.13	
For 16 Gauge, Add	21.09	
For 22 Gauge, Add	8.61	
For Work In Restricted Working Space, Add	64.91	
For Elevated Installation >10' To 15', Add	21.64	
For Elevated Installation >15' To 20', Add	43.27	
For Elevated Installation >20' To 25', Add	54.09	
For Elevated Installation >25' To 30', Add	75.73	
For Elevated Installation >30' To 35', Add	86.54	
For Elevated Installation >35' To 40', Add	108.18	
For Elevated Installation >40', Add	119.00	
For 10" WG (Class A), Add	99.53	
23 31 13 16-0049 EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	262.13	88.83
For 3" WG (Class B), Add	33.31	
For 4" Or 6" WG (Class A), Add	88.84	
For 28 Gauge, Deduct	-5.55	
For 24 Gauge, Add	5.53	
For 18 Gauge, Add	22.02	
For 20 Gauge, Add	16.58	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.63	
For 16 Gauge, Add	27.03	
For 22 Gauge, Add	11.03	
For Work In Restricted Working Space, Add	66.63	
For Elevated Installation >10' To 15', Add	22.21	
For Elevated Installation >15' To 20', Add	44.42	
For Elevated Installation >20' To 25', Add	55.52	
For Elevated Installation >25' To 30', Add	77.73	
For Elevated Installation >30' To 35', Add	88.84	
For Elevated Installation >35' To 40', Add	111.05	
For Elevated Installation >40', Add	122.15	
For 10" WG (Class A), Add	102.16	
23 31 13 16-0050 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tees <small>(23 31 13 16-0001)</small>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0051	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	53.95	19.34
			<i>For 3" WG (Class B), Add</i>	7.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	19.34	
			<i>For 28 Gauge, Deduct</i>	-0.77	
			<i>For 24 Gauge, Add</i>	0.77	
			<i>For 18 Gauge, Add</i>	3.07	
			<i>For 20 Gauge, Add</i>	2.31	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.14	
			<i>For 16 Gauge, Add</i>	3.77	
			<i>For 22 Gauge, Add</i>	1.54	
			<i>For Work In Restricted Working Space, Add</i>	14.51	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.84	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.18	
			<i>For Elevated Installation &gt;40', Add</i>	26.60	
23 31 13 16-0052	EA		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	62.70	22.07
			<i>For 3" WG (Class B), Add</i>	8.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	22.11	
			<i>For 28 Gauge, Deduct</i>	-1.03	
			<i>For 24 Gauge, Add</i>	1.03	
			<i>For 18 Gauge, Add</i>	4.09	
			<i>For 20 Gauge, Add</i>	3.08	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.50	
			<i>For 16 Gauge, Add</i>	5.02	
			<i>For 22 Gauge, Add</i>	2.05	
			<i>For Work In Restricted Working Space, Add</i>	16.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.05	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.82	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.11	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	27.64	
			<i>For Elevated Installation &gt;40', Add</i>	30.40	
23 31 13 16-0053	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	72.53	25.79
			<i>For 3" WG (Class B), Add</i>	9.67	
			<i>For 4" Or 6" WG (Class A), Add</i>	25.79	
			<i>For 28 Gauge, Deduct</i>	-1.12	
			<i>For 24 Gauge, Add</i>	1.11	
			<i>For 18 Gauge, Add</i>	4.43	
			<i>For 20 Gauge, Add</i>	3.34	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.96	
			<i>For 16 Gauge, Add</i>	5.44	
			<i>For 22 Gauge, Add</i>	2.22	
			<i>For Work In Restricted Working Space, Add</i>	19.34	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.45	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.89	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.12	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.56	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.79	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	32.24	
			<i>For Elevated Installation &gt;40', Add</i>	35.46	
23 31 13 16-0054	EA		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	86.65	30.95
			<i>For 3" WG (Class B), Add</i>	11.61	
			<i>For 4" Or 6" WG (Class A), Add</i>	30.95	
			<i>For 28 Gauge, Deduct</i>	-1.29	
			<i>For 24 Gauge, Add</i>	1.28	
			<i>For 18 Gauge, Add</i>	5.10	
			<i>For 20 Gauge, Add</i>	3.84	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.87	
			<i>For 16 Gauge, Add</i>	6.26	
			<i>For 22 Gauge, Add</i>	2.56	
			<i>For Work In Restricted Working Space, Add</i>	23.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.74	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.47	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.34	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.08	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	30.95	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	38.69	
			<i>For Elevated Installation &gt;40', Add</i>	42.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0055 EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	111.73	38.68
For 3" WG (Class B), Add	14.51	
For 4" Or 6" WG (Class A), Add	38.69	
For 28 Gauge, Deduct	-2.08	
For 24 Gauge, Add	2.07	
For 18 Gauge, Add	8.25	
For 20 Gauge, Add	6.21	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.10	
For 16 Gauge, Add	10.13	
For 22 Gauge, Add	4.13	
For Work In Restricted Working Space, Add	29.02	
For Elevated Installation >10' To 15', Add	9.67	
For Elevated Installation >15' To 20', Add	19.35	
For Elevated Installation >20' To 25', Add	24.18	
For Elevated Installation >25' To 30', Add	33.86	
For Elevated Installation >30' To 35', Add	38.69	
For Elevated Installation >35' To 40', Add	48.37	
For Elevated Installation >40', Add	53.20	
23 31 13 16-0056 EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	148.09	51.58
For 3" WG (Class B), Add	19.34	
For 4" Or 6" WG (Class A), Add	51.58	
For 28 Gauge, Deduct	-2.65	
For 24 Gauge, Add	2.64	
For 18 Gauge, Add	10.52	
For 20 Gauge, Add	7.92	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.16	
For 16 Gauge, Add	12.91	
For 22 Gauge, Add	5.27	
For Work In Restricted Working Space, Add	38.69	
For Elevated Installation >10' To 15', Add	12.90	
For Elevated Installation >15' To 20', Add	25.79	
For Elevated Installation >20' To 25', Add	32.24	
For Elevated Installation >25' To 30', Add	45.14	
For Elevated Installation >30' To 35', Add	51.58	
For Elevated Installation >35' To 40', Add	64.48	
For Elevated Installation >40', Add	70.93	
23 31 13 16-0057 EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	212.53	77.38
For 3" WG (Class B), Add	29.01	
For 4" Or 6" WG (Class A), Add	77.36	
For 28 Gauge, Deduct	-2.65	
For 24 Gauge, Add	2.64	
For 18 Gauge, Add	10.52	
For 20 Gauge, Add	7.92	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.16	
For 16 Gauge, Add	12.91	
For 22 Gauge, Add	5.27	
For Work In Restricted Working Space, Add	58.02	
For Elevated Installation >10' To 15', Add	19.34	
For Elevated Installation >15' To 20', Add	38.68	
For Elevated Installation >20' To 25', Add	48.35	
For Elevated Installation >25' To 30', Add	67.69	
For Elevated Installation >30' To 35', Add	77.36	
For Elevated Installation >35' To 40', Add	96.70	
For Elevated Installation >40', Add	106.37	
23 31 13 16-0058 EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	283.48	98.58
For 3" WG (Class B), Add	37.06	
For 4" Or 6" WG (Class A), Add	98.82	
For 28 Gauge, Deduct	-5.05	
For 24 Gauge, Add	5.03	
For 18 Gauge, Add	20.04	
For 20 Gauge, Add	15.09	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.97	
For 16 Gauge, Add	24.60	
For 22 Gauge, Add	10.04	
For Work In Restricted Working Space, Add	74.11	
For Elevated Installation >10' To 15', Add	24.70	
For Elevated Installation >15' To 20', Add	49.41	
For Elevated Installation >20' To 25', Add	61.76	
For Elevated Installation >25' To 30', Add	86.46	
For Elevated Installation >30' To 35', Add	98.82	
For Elevated Installation >35' To 40', Add	123.52	
For Elevated Installation >40', Add	135.87	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 13 16-0059	EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	362.64	124.94
	For 3" WG (Class B), Add	46.72	
	For 4" Or 6" WG (Class A), Add	124.60	
	For 28 Gauge, Deduct	-7.08	
	For 24 Gauge, Add	7.06	
	For 18 Gauge, Add	28.13	
	For 20 Gauge, Add	21.18	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	37.85	
	For 16 Gauge, Add	34.53	
	For 22 Gauge, Add	14.09	
	For Work In Restricted Working Space, Add	93.45	
	For Elevated Installation >10' To 15', Add	31.15	
	For Elevated Installation >15' To 20', Add	62.30	
	For Elevated Installation >20' To 25', Add	77.87	
	For Elevated Installation >25' To 30', Add	109.02	
	For Elevated Installation >30' To 35', Add	124.60	
	For Elevated Installation >35' To 40', Add	155.75	
	For Elevated Installation >40', Add	171.32	
23 31 13 16-0060	EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	413.35	138.98
	For 3" WG (Class B), Add	52.23	
	For 4" Or 6" WG (Class A), Add	139.27	
	For 28 Gauge, Deduct	-9.03	
	For 24 Gauge, Add	8.99	
	For 18 Gauge, Add	35.84	
	For 20 Gauge, Add	26.98	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	48.23	
	For 16 Gauge, Add	43.99	
	For 22 Gauge, Add	17.95	
	For Work In Restricted Working Space, Add	104.45	
	For Elevated Installation >10' To 15', Add	34.82	
	For Elevated Installation >15' To 20', Add	69.64	
	For Elevated Installation >20' To 25', Add	87.05	
	For Elevated Installation >25' To 30', Add	121.86	
	For Elevated Installation >30' To 35', Add	139.27	
	For Elevated Installation >35' To 40', Add	174.09	
	For Elevated Installation >40', Add	191.50	
	For 10" WG (Class A), Add	160.16	
23 31 13 16-0061	EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	431.96	144.00
	For 3" WG (Class B), Add	53.95	
	For 4" Or 6" WG (Class A), Add	143.86	
	For 28 Gauge, Deduct	-10.02	
	For 24 Gauge, Add	9.98	
	For 18 Gauge, Add	39.78	
	For 20 Gauge, Add	29.94	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	53.52	
	For 16 Gauge, Add	48.82	
	For 22 Gauge, Add	19.92	
	For Work In Restricted Working Space, Add	107.89	
	For Elevated Installation >10' To 15', Add	35.96	
	For Elevated Installation >15' To 20', Add	71.93	
	For Elevated Installation >20' To 25', Add	89.91	
	For Elevated Installation >25' To 30', Add	125.87	
	For Elevated Installation >30' To 35', Add	143.86	
	For Elevated Installation >35' To 40', Add	179.82	
	For Elevated Installation >40', Add	197.80	
	For 10" WG (Class A), Add	165.43	

**23 31 13 16-0062 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connectors** (23 31 13 16-0001)

23 31 13 16-0063	EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	24.80	
	For 3" WG (Class B), Add	3.44	
	For 4" Or 6" WG (Class A), Add	9.17	
	For Work In Restricted Working Space, Add	6.88	
	For Elevated Installation >10' To 15', Add	2.29	
	For Elevated Installation >15' To 20', Add	4.58	
	For Elevated Installation >20' To 25', Add	5.73	
	For Elevated Installation >25' To 30', Add	8.02	
	For Elevated Installation >30' To 35', Add	9.17	
	For Elevated Installation >35' To 40', Add	11.46	
	For Elevated Installation >40', Add	12.61	
23 31 13 16-0064	EA 5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	26.11	
	For 3" WG (Class B), Add	3.61	
	For 4" Or 6" WG (Class A), Add	9.64	
	For Work In Restricted Working Space, Add	7.23	
	For Elevated Installation >10' To 15', Add	2.41	
	For Elevated Installation >15' To 20', Add	4.82	
	For Elevated Installation >20' To 25', Add	6.02	
	For Elevated Installation >25' To 30', Add	8.43	
	For Elevated Installation >30' To 35', Add	9.64	
	For Elevated Installation >35' To 40', Add	12.05	
	For Elevated Installation >40', Add	13.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0065 EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	27.96	
For 3" WG (Class B), Add	3.87	
For 4" Or 6" WG (Class A), Add	10.32	
For Work In Restricted Working Space, Add	7.74	
For Elevated Installation >10' To 15', Add	2.58	
For Elevated Installation >15' To 20', Add	5.16	
For Elevated Installation >20' To 25', Add	6.45	
For Elevated Installation >25' To 30', Add	9.03	
For Elevated Installation >30' To 35', Add	10.32	
For Elevated Installation >35' To 40', Add	12.90	
For Elevated Installation >40', Add	14.18	
23 31 13 16-0066 EA 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	29.71	
For 3" WG (Class B), Add	4.08	
For 4" Or 6" WG (Class A), Add	10.89	
For Work In Restricted Working Space, Add	8.17	
For Elevated Installation >10' To 15', Add	2.72	
For Elevated Installation >15' To 20', Add	5.45	
For Elevated Installation >20' To 25', Add	6.81	
For Elevated Installation >25' To 30', Add	9.53	
For Elevated Installation >30' To 35', Add	10.89	
For Elevated Installation >35' To 40', Add	13.62	
For Elevated Installation >40', Add	14.98	
23 31 13 16-0067 EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	32.17	
For 3" WG (Class B), Add	4.41	
For 4" Or 6" WG (Class A), Add	11.75	
For Work In Restricted Working Space, Add	8.81	
For Elevated Installation >10' To 15', Add	2.94	
For Elevated Installation >15' To 20', Add	5.87	
For Elevated Installation >20' To 25', Add	7.34	
For Elevated Installation >25' To 30', Add	10.28	
For Elevated Installation >30' To 35', Add	11.75	
For Elevated Installation >35' To 40', Add	14.69	
For Elevated Installation >40', Add	16.15	
23 31 13 16-0068 EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	37.22	
For 3" WG (Class B), Add	4.92	
For 4" Or 6" WG (Class A), Add	13.12	
For Work In Restricted Working Space, Add	9.84	
For Elevated Installation >10' To 15', Add	3.28	
For Elevated Installation >15' To 20', Add	6.56	
For Elevated Installation >20' To 25', Add	8.20	
For Elevated Installation >25' To 30', Add	11.48	
For Elevated Installation >30' To 35', Add	13.12	
For Elevated Installation >35' To 40', Add	16.41	
For Elevated Installation >40', Add	18.05	
23 31 13 16-0069 EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	51.19	
For 3" WG (Class B), Add	6.88	
For 4" Or 6" WG (Class A), Add	18.34	
For Work In Restricted Working Space, Add	13.76	
For Elevated Installation >10' To 15', Add	4.59	
For Elevated Installation >15' To 20', Add	9.17	
For Elevated Installation >20' To 25', Add	11.47	
For Elevated Installation >25' To 30', Add	16.05	
For Elevated Installation >30' To 35', Add	18.34	
For Elevated Installation >35' To 40', Add	22.93	
For Elevated Installation >40', Add	25.22	
23 31 13 16-0070 EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	58.36	
For 3" WG (Class B), Add	7.83	
For 4" Or 6" WG (Class A), Add	20.87	
For Work In Restricted Working Space, Add	15.65	
For Elevated Installation >10' To 15', Add	5.22	
For Elevated Installation >15' To 20', Add	10.43	
For Elevated Installation >20' To 25', Add	13.04	
For Elevated Installation >25' To 30', Add	18.26	
For Elevated Installation >30' To 35', Add	20.87	
For Elevated Installation >35' To 40', Add	26.09	
For Elevated Installation >40', Add	28.69	
23 31 13 16-0071 EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	64.12	
For 3" WG (Class B), Add	8.58	
For 4" Or 6" WG (Class A), Add	22.87	
For Work In Restricted Working Space, Add	17.15	
For Elevated Installation >10' To 15', Add	5.72	
For Elevated Installation >15' To 20', Add	11.44	
For Elevated Installation >20' To 25', Add	14.30	
For Elevated Installation >25' To 30', Add	20.01	
For Elevated Installation >30' To 35', Add	22.87	
For Elevated Installation >35' To 40', Add	28.59	
For Elevated Installation >40', Add	31.45	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0072	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	69.65	
		For 3" WG (Class B), Add	9.29	
		For 4" Or 6" WG (Class A), Add	24.76	
		For Work In Restricted Working Space, Add	18.57	
		For Elevated Installation >10' To 15', Add	6.19	
		For Elevated Installation >15' To 20', Add	12.38	
		For Elevated Installation >20' To 25', Add	15.48	
		For Elevated Installation >25' To 30', Add	21.67	
		For Elevated Installation >30' To 35', Add	24.76	
		For Elevated Installation >35' To 40', Add	30.95	
		For Elevated Installation >40', Add	34.05	
		For 10" WG (Class A), Add	28.47	
23 31 13 16-0073	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	75.90	
		For 3" WG (Class B), Add	10.12	
		For 4" Or 6" WG (Class A), Add	27.00	
		For Work In Restricted Working Space, Add	20.25	
		For Elevated Installation >10' To 15', Add	6.75	
		For Elevated Installation >15' To 20', Add	13.50	
		For Elevated Installation >20' To 25', Add	16.87	
		For Elevated Installation >25' To 30', Add	23.62	
		For Elevated Installation >30' To 35', Add	27.00	
		For Elevated Installation >35' To 40', Add	33.75	
		For Elevated Installation >40', Add	37.12	
		For 10" WG (Class A), Add	31.05	
23 31 13 16-0074		Slip Joint, Galvanized, Spiral Duct And Fittings <small>(23 31 13 16)</small>		
23 31 13 16-0075		Slip Joint, Galvanized, Spiral Duct <small>(23 31 13 16-0074)</small>		
23 31 13 16-0076	LF	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	10.76	1.32
		For 3" WG (Class B), Add	1.06	
		For 4" Or 6" WG (Class A), Add	2.83	
		For 22 Gauge, Add	1.69	
		For 18 Gauge, Add	4.23	
		For 16 Gauge, Add	5.15	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.72	
		For 20 Gauge, Add	2.76	
		For Work In Restricted Working Space, Add	2.12	
		For 24 Gauge, Add	0.74	
23 31 13 16-0077	LF	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	13.83	2.65
		For 3" WG (Class B), Add	1.28	
		For 4" Or 6" WG (Class A), Add	3.40	
		For 22 Gauge, Add	2.45	
		For 18 Gauge, Add	6.13	
		For 16 Gauge, Add	7.46	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.94	
		For 20 Gauge, Add	4.00	
		For Work In Restricted Working Space, Add	2.55	
		For 24 Gauge, Add	1.07	
23 31 13 16-0078	LF	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	17.56	2.65
		For 3" WG (Class B), Add	1.58	
		For 4" Or 6" WG (Class A), Add	4.22	
		For 22 Gauge, Add	3.23	
		For 18 Gauge, Add	8.07	
		For 16 Gauge, Add	9.83	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.19	
		For 20 Gauge, Add	5.27	
		For Work In Restricted Working Space, Add	3.16	
		For 24 Gauge, Add	1.40	
23 31 13 16-0079	LF	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	21.33	2.65
		For 3" WG (Class B), Add	1.90	
		For 4" Or 6" WG (Class A), Add	5.06	
		For 22 Gauge, Add	3.99	
		For 18 Gauge, Add	9.97	
		For 16 Gauge, Add	12.14	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.42	
		For 20 Gauge, Add	6.50	
		For Work In Restricted Working Space, Add	3.80	
		For 24 Gauge, Add	1.73	
23 31 13 16-0080	LF	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	26.52	3.96
		For 3" WG (Class B), Add	2.38	
		For 4" Or 6" WG (Class A), Add	6.34	
		For 22 Gauge, Add	4.90	
		For 18 Gauge, Add	12.26	
		For 16 Gauge, Add	14.92	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.89	
		For 20 Gauge, Add	8.00	
		For Work In Restricted Working Space, Add	4.76	
		For 24 Gauge, Add	2.13	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0081 LF 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	32.18	3.96
For 3" WG (Class B), Add	2.97	
For 4" Or 6" WG (Class A), Add	7.93	
For 22 Gauge, Add	5.68	
For 18 Gauge, Add	14.20	
For 16 Gauge, Add	17.29	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.14	
For 20 Gauge, Add	9.26	
For Work In Restricted Working Space, Add	5.95	
For 24 Gauge, Add	2.47	
23 31 13 16-0082 LF 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	44.35	3.96
For 3" WG (Class B), Add	3.96	
For 4" Or 6" WG (Class A), Add	10.56	
For 22 Gauge, Add	8.26	
For 18 Gauge, Add	20.64	
For 16 Gauge, Add	25.13	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.28	
For 20 Gauge, Add	13.46	
For Work In Restricted Working Space, Add	7.92	
For 24 Gauge, Add	3.59	
23 31 13 16-0083 LF 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	50.67	5.28
For 3" WG (Class B), Add	4.62	
For 4" Or 6" WG (Class A), Add	12.31	
For 22 Gauge, Add	9.15	
For 18 Gauge, Add	22.89	
For 16 Gauge, Add	27.86	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.73	
For 20 Gauge, Add	14.93	
For Work In Restricted Working Space, Add	9.23	
For 24 Gauge, Add	3.98	
23 31 13 16-0084 LF 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	57.14	5.28
For 3" WG (Class B), Add	5.24	
For 4" Or 6" WG (Class A), Add	13.98	
For 22 Gauge, Add	10.21	
For 18 Gauge, Add	25.53	
For 16 Gauge, Add	31.08	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.43	
For 20 Gauge, Add	16.65	
For Work In Restricted Working Space, Add	10.48	
For 24 Gauge, Add	4.44	
23 31 13 16-0085 LF 22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	63.90	6.61
For 3" WG (Class B), Add	5.90	
For 4" Or 6" WG (Class A), Add	15.74	
For 22 Gauge, Add	11.29	
For 18 Gauge, Add	28.22	
For 16 Gauge, Add	34.36	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	18.16	
For 20 Gauge, Add	18.41	
For Work In Restricted Working Space, Add	11.81	
For 24 Gauge, Add	4.91	
23 31 13 16-0086 LF 24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	70.70	7.93
For 3" WG (Class B), Add	6.61	
For 4" Or 6" WG (Class A), Add	17.62	
For 22 Gauge, Add	12.26	
For 18 Gauge, Add	30.66	
For 16 Gauge, Add	37.32	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.73	
For 20 Gauge, Add	20.00	
For Work In Restricted Working Space, Add	13.21	
For 24 Gauge, Add	5.33	
<b>23 31 13 16-0087 Slip Joint, Galvanized, Spiral 90 Degree Elbows</b> <small>(23 31 13 16-0074)</small>		
23 31 13 16-0088 EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	81.67	18.50
For 3" WG (Class B), Add	10.71	
For 4" Or 6" WG (Class A), Add	28.57	
For 22 Gauge, Add	4.71	
For 18 Gauge, Add	11.78	
For 16 Gauge, Add	14.34	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.58	
For 20 Gauge, Add	7.68	
For Work In Restricted Working Space, Add	21.43	
For 24 Gauge, Add	2.05	
23 31 13 16-0089 EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	120.25	26.43
For 3" WG (Class B), Add	15.86	
For 4" Or 6" WG (Class A), Add	42.29	
For 22 Gauge, Add	6.68	
For 18 Gauge, Add	16.71	
For 16 Gauge, Add	20.34	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.75	
For 20 Gauge, Add	10.90	
For Work In Restricted Working Space, Add	31.72	
For 24 Gauge, Add	2.91	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0090	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	166.84	34.36
		<i>For 3" WG (Class B), Add</i>	20.87	
		<i>For 4" Or 6" WG (Class A), Add</i>	55.65	
		<i>For 22 Gauge, Add</i>	12.75	
		<i>For 18 Gauge, Add</i>	31.88	
		<i>For 16 Gauge, Add</i>	38.81	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	20.51	
		<i>For 20 Gauge, Add</i>	20.79	
		<i>For Work In Restricted Working Space, Add</i>	41.74	
		<i>For 24 Gauge, Add</i>	5.54	
23 31 13 16-0091	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	208.85	43.62
		<i>For 3" WG (Class B), Add</i>	26.43	
		<i>For 4" Or 6" WG (Class A), Add</i>	70.48	
		<i>For 22 Gauge, Add</i>	15.01	
		<i>For 18 Gauge, Add</i>	37.54	
		<i>For 16 Gauge, Add</i>	45.70	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	24.15	
		<i>For 20 Gauge, Add</i>	24.48	
		<i>For Work In Restricted Working Space, Add</i>	52.86	
		<i>For 24 Gauge, Add</i>	6.53	
23 31 13 16-0092	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	258.58	55.51
		<i>For 3" WG (Class B), Add</i>	33.04	
		<i>For 4" Or 6" WG (Class A), Add</i>	88.10	
		<i>For 22 Gauge, Add</i>	17.63	
		<i>For 18 Gauge, Add</i>	44.07	
		<i>For 16 Gauge, Add</i>	53.65	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	28.36	
		<i>For 20 Gauge, Add</i>	28.74	
		<i>For Work In Restricted Working Space, Add</i>	66.08	
		<i>For 24 Gauge, Add</i>	7.66	
23 31 13 16-0093	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	282.94	60.79
		<i>For 3" WG (Class B), Add</i>	36.04	
		<i>For 4" Or 6" WG (Class A), Add</i>	96.11	
		<i>For 22 Gauge, Add</i>	19.62	
		<i>For 18 Gauge, Add</i>	49.06	
		<i>For 16 Gauge, Add</i>	59.72	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	31.57	
		<i>For 20 Gauge, Add</i>	32.00	
		<i>For Work In Restricted Working Space, Add</i>	72.08	
		<i>For 24 Gauge, Add</i>	8.53	
23 31 13 16-0094	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	334.14	71.36
		<i>For 3" WG (Class B), Add</i>	42.63	
		<i>For 4" Or 6" WG (Class A), Add</i>	113.68	
		<i>For 22 Gauge, Add</i>	22.97	
		<i>For 18 Gauge, Add</i>	57.42	
		<i>For 16 Gauge, Add</i>	69.90	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	36.95	
		<i>For 20 Gauge, Add</i>	37.45	
		<i>For Work In Restricted Working Space, Add</i>	85.26	
		<i>For 24 Gauge, Add</i>	9.99	
23 31 13 16-0095	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	409.86	88.55
		<i>For 3" WG (Class B), Add</i>	52.86	
		<i>For 4" Or 6" WG (Class A), Add</i>	140.96	
		<i>For 22 Gauge, Add</i>	26.43	
		<i>For 18 Gauge, Add</i>	66.07	
		<i>For 16 Gauge, Add</i>	80.43	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	42.51	
		<i>For 20 Gauge, Add</i>	43.09	
		<i>For Work In Restricted Working Space, Add</i>	105.72	
		<i>For 24 Gauge, Add</i>	11.49	
23 31 13 16-0096	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	494.13	107.05
		<i>For 3" WG (Class B), Add</i>	63.95	
		<i>For 4" Or 6" WG (Class A), Add</i>	170.52	
		<i>For 22 Gauge, Add</i>	31.20	
		<i>For 18 Gauge, Add</i>	77.99	
		<i>For 16 Gauge, Add</i>	94.95	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	50.19	
		<i>For 20 Gauge, Add</i>	50.87	
		<i>For Work In Restricted Working Space, Add</i>	127.89	
		<i>For 24 Gauge, Add</i>	13.56	
23 31 13 16-0097	EA	22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	575.67	124.23
		<i>For 3" WG (Class B), Add</i>	74.81	
		<i>For 4" Or 6" WG (Class A), Add</i>	199.48	
		<i>For 22 Gauge, Add</i>	35.41	
		<i>For 18 Gauge, Add</i>	88.52	
		<i>For 16 Gauge, Add</i>	107.76	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	56.96	
		<i>For 20 Gauge, Add</i>	57.73	
		<i>For Work In Restricted Working Space, Add</i>	149.61	
		<i>For 24 Gauge, Add</i>	15.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0098 EA 24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	657.36	141.41
<i>For 3" WG (Class B), Add</i>	84.36	
<i>For 4" Or 6" WG (Class A), Add</i>	224.95	
<i>For 22 Gauge, Add</i>	43.70	
<i>For 18 Gauge, Add</i>	109.24	
<i>For 16 Gauge, Add</i>	132.99	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	70.29	
<i>For 20 Gauge, Add</i>	71.24	
<i>For Work In Restricted Working Space, Add</i>	168.71	
<i>For 24 Gauge, Add</i>	19.00	
<b>23 31 13 16-0099 Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows</b> <small>(23 31 13 16-0074)</small>		
23 31 13 16-0100 EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	82.15	18.50
<i>For 3" WG (Class B), Add</i>	10.71	
<i>For 4" Or 6" WG (Class A), Add</i>	28.57	
<i>For 22 Gauge, Add</i>	4.93	
<i>For 18 Gauge, Add</i>	12.33	
<i>For 16 Gauge, Add</i>	15.01	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.93	
<i>For 20 Gauge, Add</i>	8.04	
<i>For Work In Restricted Working Space, Add</i>	21.43	
<i>For 24 Gauge, Add</i>	2.14	
23 31 13 16-0101 EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	117.76	26.43
<i>For 3" WG (Class B), Add</i>	15.86	
<i>For 4" Or 6" WG (Class A), Add</i>	42.29	
<i>For 22 Gauge, Add</i>	5.54	
<i>For 18 Gauge, Add</i>	13.85	
<i>For 16 Gauge, Add</i>	16.86	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.91	
<i>For 20 Gauge, Add</i>	9.03	
<i>For Work In Restricted Working Space, Add</i>	31.72	
<i>For 24 Gauge, Add</i>	2.41	
23 31 13 16-0102 EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	155.27	34.36
<i>For 3" WG (Class B), Add</i>	20.87	
<i>For 4" Or 6" WG (Class A), Add</i>	55.65	
<i>For 22 Gauge, Add</i>	7.43	
<i>For 18 Gauge, Add</i>	18.57	
<i>For 16 Gauge, Add</i>	22.61	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	11.95	
<i>For 20 Gauge, Add</i>	12.11	
<i>For Work In Restricted Working Space, Add</i>	41.74	
<i>For 24 Gauge, Add</i>	3.23	
23 31 13 16-0103 EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	196.40	43.62
<i>For 3" WG (Class B), Add</i>	26.43	
<i>For 4" Or 6" WG (Class A), Add</i>	70.48	
<i>For 22 Gauge, Add</i>	9.29	
<i>For 18 Gauge, Add</i>	23.22	
<i>For 16 Gauge, Add</i>	28.27	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	14.94	
<i>For 20 Gauge, Add</i>	15.14	
<i>For Work In Restricted Working Space, Add</i>	52.86	
<i>For 24 Gauge, Add</i>	4.04	
23 31 13 16-0104 EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	243.72	55.51
<i>For 3" WG (Class B), Add</i>	33.04	
<i>For 4" Or 6" WG (Class A), Add</i>	88.10	
<i>For 22 Gauge, Add</i>	10.79	
<i>For 18 Gauge, Add</i>	26.98	
<i>For 16 Gauge, Add</i>	32.84	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	17.36	
<i>For 20 Gauge, Add</i>	17.60	
<i>For Work In Restricted Working Space, Add</i>	66.08	
<i>For 24 Gauge, Add</i>	4.69	
23 31 13 16-0105 EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	266.36	60.79
<i>For 3" WG (Class B), Add</i>	36.04	
<i>For 4" Or 6" WG (Class A), Add</i>	96.11	
<i>For 22 Gauge, Add</i>	12.00	
<i>For 18 Gauge, Add</i>	29.99	
<i>For 16 Gauge, Add</i>	36.51	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	19.30	
<i>For 20 Gauge, Add</i>	19.56	
<i>For Work In Restricted Working Space, Add</i>	72.08	
<i>For 24 Gauge, Add</i>	5.22	
23 31 13 16-0106 EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	326.96	71.36
<i>For 3" WG (Class B), Add</i>	42.63	
<i>For 4" Or 6" WG (Class A), Add</i>	113.68	
<i>For 22 Gauge, Add</i>	19.67	
<i>For 18 Gauge, Add</i>	49.16	
<i>For 16 Gauge, Add</i>	59.85	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	31.64	
<i>For 20 Gauge, Add</i>	32.06	
<i>For Work In Restricted Working Space, Add</i>	85.26	
<i>For 24 Gauge, Add</i>	8.55	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0107	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	404.78	88.55
		<i>For 3" WG (Class B), Add</i>	52.86	
		<i>For 4" Or 6" WG (Class A), Add</i>	140.96	
		<i>For 22 Gauge, Add</i>	24.09	
		<i>For 18 Gauge, Add</i>	60.23	
		<i>For 16 Gauge, Add</i>	73.32	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	38.75	
		<i>For 20 Gauge, Add</i>	39.28	
		<i>For Work In Restricted Working Space, Add</i>	105.72	
		<i>For 24 Gauge, Add</i>	10.47	
23 31 13 16-0108	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	492.57	107.05
		<i>For 3" WG (Class B), Add</i>	63.95	
		<i>For 4" Or 6" WG (Class A), Add</i>	170.52	
		<i>For 22 Gauge, Add</i>	30.48	
		<i>For 18 Gauge, Add</i>	76.20	
		<i>For 16 Gauge, Add</i>	92.76	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	49.03	
		<i>For 20 Gauge, Add</i>	49.70	
		<i>For Work In Restricted Working Space, Add</i>	127.89	
		<i>For 24 Gauge, Add</i>	13.25	
23 31 13 16-0109	EA	22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	558.01	124.23
		<i>For 3" WG (Class B), Add</i>	74.81	
		<i>For 4" Or 6" WG (Class A), Add</i>	199.48	
		<i>For 22 Gauge, Add</i>	27.28	
		<i>For 18 Gauge, Add</i>	68.21	
		<i>For 16 Gauge, Add</i>	83.03	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	43.89	
		<i>For 20 Gauge, Add</i>	44.48	
		<i>For Work In Restricted Working Space, Add</i>	149.61	
		<i>For 24 Gauge, Add</i>	11.86	
23 31 13 16-0110	EA	24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	651.07	141.41
		<i>For 3" WG (Class B), Add</i>	84.36	
		<i>For 4" Or 6" WG (Class A), Add</i>	224.95	
		<i>For 22 Gauge, Add</i>	40.80	
		<i>For 18 Gauge, Add</i>	102.01	
		<i>For 16 Gauge, Add</i>	124.18	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	65.64	
		<i>For 20 Gauge, Add</i>	66.53	
		<i>For Work In Restricted Working Space, Add</i>	168.71	
		<i>For 24 Gauge, Add</i>	17.74	
<b>23 31 13 16-0111</b>		<b>Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals <small>(23 31 13 16-0074)</small></b>		
23 31 13 16-0112	EA	6" x 6" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....	162.16	34.36
		<i>For 3" WG (Class B), Add</i>	20.87	
		<i>For 4" Or 6" WG (Class A), Add</i>	55.65	
		<i>For 22 Gauge, Add</i>	10.60	
		<i>For 18 Gauge, Add</i>	26.50	
		<i>For 16 Gauge, Add</i>	32.26	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	17.05	
		<i>For 20 Gauge, Add</i>	17.28	
		<i>For Work In Restricted Working Space, Add</i>	41.74	
		<i>For 24 Gauge, Add</i>	4.61	
23 31 13 16-0113	EA	8" x 8" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....	244.41	55.51
		<i>For 3" WG (Class B), Add</i>	33.04	
		<i>For 4" Or 6" WG (Class A), Add</i>	88.10	
		<i>For 22 Gauge, Add</i>	11.11	
		<i>For 18 Gauge, Add</i>	27.77	
		<i>For 16 Gauge, Add</i>	33.81	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	17.87	
		<i>For 20 Gauge, Add</i>	18.11	
		<i>For Work In Restricted Working Space, Add</i>	66.08	
		<i>For 24 Gauge, Add</i>	4.83	
23 31 13 16-0114	EA	10" x 10" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....	310.73	71.36
		<i>For 3" WG (Class B), Add</i>	42.63	
		<i>For 4" Or 6" WG (Class A), Add</i>	113.68	
		<i>For 22 Gauge, Add</i>	12.20	
		<i>For 18 Gauge, Add</i>	30.50	
		<i>For 16 Gauge, Add</i>	37.13	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	19.62	
		<i>For 20 Gauge, Add</i>	19.89	
		<i>For Work In Restricted Working Space, Add</i>	85.26	
		<i>For 24 Gauge, Add</i>	5.30	
23 31 13 16-0115	EA	12" x 12" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....	380.11	88.55
		<i>For 3" WG (Class B), Add</i>	52.86	
		<i>For 4" Or 6" WG (Class A), Add</i>	140.96	
		<i>For 22 Gauge, Add</i>	12.74	
		<i>For 18 Gauge, Add</i>	31.86	
		<i>For 16 Gauge, Add</i>	38.78	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	20.50	
		<i>For 20 Gauge, Add</i>	20.78	
		<i>For Work In Restricted Working Space, Add</i>	105.72	
		<i>For 24 Gauge, Add</i>	5.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0116 EA 14" x 14" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	454.92	107.05
<i>For 3" WG (Class B), Add</i>	63.95	
<i>For 4" Or 6" WG (Class A), Add</i>	170.52	
<i>For 22 Gauge, Add</i>	13.16	
<i>For 18 Gauge, Add</i>	32.90	
<i>For 16 Gauge, Add</i>	40.05	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	21.17	
<i>For 20 Gauge, Add</i>	21.46	
<i>For Work In Restricted Working Space, Add</i>	127.89	
<i>For 24 Gauge, Add</i>	5.72	
23 31 13 16-0117 EA 16" x 16" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	529.81	124.23
<i>For 3" WG (Class B), Add</i>	74.81	
<i>For 4" Or 6" WG (Class A), Add</i>	199.48	
<i>For 22 Gauge, Add</i>	14.31	
<i>For 18 Gauge, Add</i>	35.78	
<i>For 16 Gauge, Add</i>	43.55	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	23.02	
<i>For 20 Gauge, Add</i>	23.33	
<i>For Work In Restricted Working Space, Add</i>	149.61	
<i>For 24 Gauge, Add</i>	6.22	
23 31 13 16-0118 EA 18" x 18" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	594.74	141.41
<i>For 3" WG (Class B), Add</i>	84.36	
<i>For 4" Or 6" WG (Class A), Add</i>	224.95	
<i>For 22 Gauge, Add</i>	14.89	
<i>For 18 Gauge, Add</i>	37.23	
<i>For 16 Gauge, Add</i>	45.32	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	23.95	
<i>For 20 Gauge, Add</i>	24.28	
<i>For Work In Restricted Working Space, Add</i>	168.71	
<i>For 24 Gauge, Add</i>	6.47	
23 31 13 16-0119 EA 20" x 20" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	678.21	161.23
<i>For 3" WG (Class B), Add</i>	96.70	
<i>For 4" Or 6" WG (Class A), Add</i>	257.86	
<i>For 22 Gauge, Add</i>	15.43	
<i>For 18 Gauge, Add</i>	38.58	
<i>For 16 Gauge, Add</i>	46.97	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	24.83	
<i>For 20 Gauge, Add</i>	25.16	
<i>For Work In Restricted Working Space, Add</i>	193.40	
<i>For 24 Gauge, Add</i>	6.71	
23 31 13 16-0120 EA 22" x 22" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	754.72	178.42
<i>For 3" WG (Class B), Add</i>	107.15	
<i>For 4" Or 6" WG (Class A), Add</i>	285.74	
<i>For 22 Gauge, Add</i>	18.57	
<i>For 18 Gauge, Add</i>	46.43	
<i>For 16 Gauge, Add</i>	56.52	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	29.87	
<i>For 20 Gauge, Add</i>	30.28	
<i>For Work In Restricted Working Space, Add</i>	214.31	
<i>For 24 Gauge, Add</i>	8.07	
23 31 13 16-0121 EA 24" x 24" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	819.08	194.27
<i>For 3" WG (Class B), Add</i>	116.61	
<i>For 4" Or 6" WG (Class A), Add</i>	310.96	
<i>For 22 Gauge, Add</i>	19.18	
<i>For 18 Gauge, Add</i>	47.94	
<i>For 16 Gauge, Add</i>	58.37	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	30.85	
<i>For 20 Gauge, Add</i>	31.27	
<i>For Work In Restricted Working Space, Add</i>	233.22	
<i>For 24 Gauge, Add</i>	8.34	
23 31 13 16-0122 EA 8" x 8" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	259.88	59.86
<i>For 3" WG (Class B), Add</i>	35.94	
<i>For 4" Or 6" WG (Class A), Add</i>	95.84	
<i>For 22 Gauge, Add</i>	9.33	
<i>For 18 Gauge, Add</i>	23.33	
<i>For 16 Gauge, Add</i>	28.41	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	15.01	
<i>For 20 Gauge, Add</i>	15.22	
<i>For Work In Restricted Working Space, Add</i>	71.88	
<i>For 24 Gauge, Add</i>	4.06	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 16-0123	EA	10" x 10" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	313.67		72.03
		For 3" WG (Class B), Add	43.21		
		For 4" Or 6" WG (Class A), Add	115.22		
		For 22 Gauge, Add	11.79		
		For 18 Gauge, Add	29.46		
		For 16 Gauge, Add	35.87		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	18.96		
		For 20 Gauge, Add	19.22		
		For Work In Restricted Working Space, Add	86.42		
		For 24 Gauge, Add	5.12		
23 31 13 16-0124	EA	12" x 12" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	381.09		87.49
		For 3" WG (Class B), Add	52.50		
		For 4" Or 6" WG (Class A), Add	140.00		
		For 22 Gauge, Add	14.31		
		For 18 Gauge, Add	35.77		
		For 16 Gauge, Add	43.54		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.01		
		For 20 Gauge, Add	23.33		
		For Work In Restricted Working Space, Add	105.00		
		For 24 Gauge, Add	6.22		
23 31 13 16-0125	EA	14" x 14" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	453.67		104.00
		For 3" WG (Class B), Add	62.49		
		For 4" Or 6" WG (Class A), Add	166.65		
		For 22 Gauge, Add	17.04		
		For 18 Gauge, Add	42.60		
		For 16 Gauge, Add	51.86		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.41		
		For 20 Gauge, Add	27.78		
		For Work In Restricted Working Space, Add	124.99		
		For 24 Gauge, Add	7.41		
23 31 13 16-0126	EA	16" x 16" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	577.54		133.74
		For 3" WG (Class B), Add	80.19		
		For 4" Or 6" WG (Class A), Add	213.84		
		For 22 Gauge, Add	19.75		
		For 18 Gauge, Add	49.37		
		For 16 Gauge, Add	60.10		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.77		
		For 20 Gauge, Add	32.20		
		For Work In Restricted Working Space, Add	160.38		
		For 24 Gauge, Add	8.59		
23 31 13 16-0127	EA	18" x 18" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	641.27		148.41
		For 3" WG (Class B), Add	88.97		
		For 4" Or 6" WG (Class A), Add	237.26		
		For 22 Gauge, Add	22.13		
		For 18 Gauge, Add	55.33		
		For 16 Gauge, Add	67.35		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.60		
		For 20 Gauge, Add	36.08		
		For Work In Restricted Working Space, Add	177.95		
		For 24 Gauge, Add	9.62		
23 31 13 16-0128	EA	20" x 20" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	729.02		168.90
		For 3" WG (Class B), Add	101.14		
		For 4" Or 6" WG (Class A), Add	269.70		
		For 22 Gauge, Add	25.19		
		For 18 Gauge, Add	62.97		
		For 16 Gauge, Add	76.66		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.52		
		For 20 Gauge, Add	41.07		
		For Work In Restricted Working Space, Add	202.28		
		For 24 Gauge, Add	10.95		
23 31 13 16-0129	EA	22" x 22" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	780.84		180.13
		For 3" WG (Class B), Add	107.97		
		For 4" Or 6" WG (Class A), Add	287.92		
		For 22 Gauge, Add	28.07		
		For 18 Gauge, Add	70.18		
		For 16 Gauge, Add	85.44		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	45.16		
		For 20 Gauge, Add	45.77		
		For Work In Restricted Working Space, Add	215.94		
		For 24 Gauge, Add	12.21		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0130 EA 24" x 24" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	847.20	195.33
<i>For 3" WG (Class B), Add</i>	117.16	
<i>For 4" Or 6" WG (Class A), Add</i>	312.42	
<i>For 22 Gauge, Add</i>	30.42	
<i>For 18 Gauge, Add</i>	76.06	
<i>For 16 Gauge, Add</i>	92.60	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	48.94	
<i>For 20 Gauge, Add</i>	49.61	
<i>For Work In Restricted Working Space, Add</i>	234.32	
<i>For 24 Gauge, Add</i>	13.23	
23 31 13 16-0131 EA 10" x 10" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	343.75	79.29
<i>For 3" WG (Class B), Add</i>	47.52	
<i>For 4" Or 6" WG (Class A), Add</i>	126.71	
<i>For 22 Gauge, Add</i>	12.41	
<i>For 18 Gauge, Add</i>	31.03	
<i>For 16 Gauge, Add</i>	37.77	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	19.97	
<i>For 20 Gauge, Add</i>	20.24	
<i>For Work In Restricted Working Space, Add</i>	95.03	
<i>For 24 Gauge, Add</i>	5.40	
23 31 13 16-0132 EA 12" x 12" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	417.80	96.48
<i>For 3" WG (Class B), Add</i>	57.76	
<i>For 4" Or 6" WG (Class A), Add</i>	154.03	
<i>For 22 Gauge, Add</i>	15.06	
<i>For 18 Gauge, Add</i>	37.64	
<i>For 16 Gauge, Add</i>	45.82	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	24.22	
<i>For 20 Gauge, Add</i>	24.55	
<i>For Work In Restricted Working Space, Add</i>	115.52	
<i>For 24 Gauge, Add</i>	6.55	
23 31 13 16-0133 EA 14" x 14" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	497.24	114.32
<i>For 3" WG (Class B), Add</i>	68.74	
<i>For 4" Or 6" WG (Class A), Add</i>	183.30	
<i>For 22 Gauge, Add</i>	17.94	
<i>For 18 Gauge, Add</i>	44.85	
<i>For 16 Gauge, Add</i>	54.60	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	28.86	
<i>For 20 Gauge, Add</i>	29.25	
<i>For Work In Restricted Working Space, Add</i>	137.47	
<i>For 24 Gauge, Add</i>	7.80	
23 31 13 16-0134 EA 16" x 16" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	577.23	133.21
<i>For 3" WG (Class B), Add</i>	79.80	
<i>For 4" Or 6" WG (Class A), Add</i>	212.81	
<i>For 22 Gauge, Add</i>	20.79	
<i>For 18 Gauge, Add</i>	51.98	
<i>For 16 Gauge, Add</i>	63.28	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	33.45	
<i>For 20 Gauge, Add</i>	33.90	
<i>For Work In Restricted Working Space, Add</i>	159.61	
<i>For 24 Gauge, Add</i>	9.04	
23 31 13 16-0135 EA 18" x 18" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	645.94	148.94
<i>For 3" WG (Class B), Add</i>	89.30	
<i>For 4" Or 6" WG (Class A), Add</i>	238.12	
<i>For 22 Gauge, Add</i>	23.29	
<i>For 18 Gauge, Add</i>	58.24	
<i>For 16 Gauge, Add</i>	70.90	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	37.47	
<i>For 20 Gauge, Add</i>	37.98	
<i>For Work In Restricted Working Space, Add</i>	178.59	
<i>For 24 Gauge, Add</i>	10.13	
23 31 13 16-0136 EA 20" x 20" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral .....	734.66	169.42
<i>For 3" WG (Class B), Add</i>	101.55	
<i>For 4" Or 6" WG (Class A), Add</i>	270.81	
<i>For 22 Gauge, Add</i>	26.51	
<i>For 18 Gauge, Add</i>	66.27	
<i>For 16 Gauge, Add</i>	80.68	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	42.65	
<i>For 20 Gauge, Add</i>	43.22	
<i>For Work In Restricted Working Space, Add</i>	203.11	
<i>For 24 Gauge, Add</i>	11.53	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0137	EA		22" x 22" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	820.29	188.98
			<i>For 3" WG (Class B), Add</i>	113.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	302.42	
			<i>For 22 Gauge, Add</i>	29.56	
			<i>For 18 Gauge, Add</i>	73.89	
			<i>For 16 Gauge, Add</i>	89.95	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	47.55	
			<i>For 20 Gauge, Add</i>	48.19	
			<i>For Work In Restricted Working Space, Add</i>	226.81	
			<i>For 24 Gauge, Add</i>	12.85	
23 31 13 16-0138	EA		24" x 24" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	889.44	205.11
			<i>For 3" WG (Class B), Add</i>	122.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	327.93	
			<i>For 22 Gauge, Add</i>	32.02	
			<i>For 18 Gauge, Add</i>	80.05	
			<i>For 16 Gauge, Add</i>	97.45	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	51.51	
			<i>For 20 Gauge, Add</i>	52.21	
			<i>For Work In Restricted Working Space, Add</i>	245.95	
			<i>For 24 Gauge, Add</i>	13.92	
<b>23 31 13 16-0139</b>			<b>Slip Joint, Galvanized, Spiral Duct Reducers</b> <small>(23 31 13 16-0074)</small>		
23 31 13 16-0140	EA		6" x 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	114.00	26.43
			<i>For 3" WG (Class B), Add</i>	15.86	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.29	
			<i>For 22 Gauge, Add</i>	3.81	
			<i>For 18 Gauge, Add</i>	9.52	
			<i>For 16 Gauge, Add</i>	11.59	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.13	
			<i>For 20 Gauge, Add</i>	6.21	
			<i>For Work In Restricted Working Space, Add</i>	31.72	
			<i>For 24 Gauge, Add</i>	1.66	
23 31 13 16-0141	EA		8" x 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	148.24	34.36
			<i>For 3" WG (Class B), Add</i>	20.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.65	
			<i>For 22 Gauge, Add</i>	4.20	
			<i>For 18 Gauge, Add</i>	10.49	
			<i>For 16 Gauge, Add</i>	12.77	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.75	
			<i>For 20 Gauge, Add</i>	6.84	
			<i>For Work In Restricted Working Space, Add</i>	41.74	
			<i>For 24 Gauge, Add</i>	1.82	
23 31 13 16-0142	EA		10" x 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	186.30	43.62
			<i>For 3" WG (Class B), Add</i>	26.43	
			<i>For 4" Or 6" WG (Class A), Add</i>	70.48	
			<i>For 22 Gauge, Add</i>	4.64	
			<i>For 18 Gauge, Add</i>	11.60	
			<i>For 16 Gauge, Add</i>	14.13	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.47	
			<i>For 20 Gauge, Add</i>	7.57	
			<i>For Work In Restricted Working Space, Add</i>	52.86	
			<i>For 24 Gauge, Add</i>	2.02	
23 31 13 16-0143	EA		12" x 10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	231.33	55.51
			<i>For 3" WG (Class B), Add</i>	33.04	
			<i>For 4" Or 6" WG (Class A), Add</i>	88.10	
			<i>For 22 Gauge, Add</i>	5.09	
			<i>For 18 Gauge, Add</i>	12.73	
			<i>For 16 Gauge, Add</i>	15.50	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.19	
			<i>For 20 Gauge, Add</i>	8.30	
			<i>For Work In Restricted Working Space, Add</i>	66.08	
			<i>For 24 Gauge, Add</i>	2.21	
23 31 13 16-0144	EA		14" x 12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	252.60	60.79
			<i>For 3" WG (Class B), Add</i>	36.04	
			<i>For 4" Or 6" WG (Class A), Add</i>	96.11	
			<i>For 22 Gauge, Add</i>	5.67	
			<i>For 18 Gauge, Add</i>	14.17	
			<i>For 16 Gauge, Add</i>	17.25	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	9.12	
			<i>For 20 Gauge, Add</i>	9.24	
			<i>For Work In Restricted Working Space, Add</i>	72.08	
			<i>For 24 Gauge, Add</i>	2.46	
23 31 13 16-0145	EA		16" x 14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	305.51	71.36
			<i>For 3" WG (Class B), Add</i>	42.63	
			<i>For 4" Or 6" WG (Class A), Add</i>	113.68	
			<i>For 22 Gauge, Add</i>	9.80	
			<i>For 18 Gauge, Add</i>	24.50	
			<i>For 16 Gauge, Add</i>	29.82	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	15.76	
			<i>For 20 Gauge, Add</i>	15.98	
			<i>For Work In Restricted Working Space, Add</i>	85.26	
			<i>For 24 Gauge, Add</i>	4.26	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0146 EA 18" x 16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	375.17	88.55
For 3" WG (Class B), Add	52.86	
For 4" Or 6" WG (Class A), Add	140.96	
For 22 Gauge, Add	10.47	
For 18 Gauge, Add	26.17	
For 16 Gauge, Add	31.86	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.84	
For 20 Gauge, Add	17.07	
For Work In Restricted Working Space, Add	105.72	
For 24 Gauge, Add	4.55	
23 31 13 16-0147 EA 20" x 18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	450.60	107.05
For 3" WG (Class B), Add	63.95	
For 4" Or 6" WG (Class A), Add	170.52	
For 22 Gauge, Add	11.17	
For 18 Gauge, Add	27.93	
For 16 Gauge, Add	34.01	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.97	
For 20 Gauge, Add	18.22	
For Work In Restricted Working Space, Add	127.89	
For 24 Gauge, Add	4.86	
23 31 13 16-0148 EA 22" x 20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	524.52	124.23
For 3" WG (Class B), Add	74.81	
For 4" Or 6" WG (Class A), Add	199.48	
For 22 Gauge, Add	11.88	
For 18 Gauge, Add	29.69	
For 16 Gauge, Add	36.15	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.11	
For 20 Gauge, Add	19.37	
For Work In Restricted Working Space, Add	149.61	
For 24 Gauge, Add	5.16	
23 31 13 16-0149 EA 24" x 22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	589.59	141.41
For 3" WG (Class B), Add	84.36	
For 4" Or 6" WG (Class A), Add	224.95	
For 22 Gauge, Add	12.52	
For 18 Gauge, Add	31.30	
For 16 Gauge, Add	38.11	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.14	
For 20 Gauge, Add	20.42	
For Work In Restricted Working Space, Add	168.71	
For 24 Gauge, Add	5.44	
<b>23 31 13 16-0150 Slip Joint, Galvanized, Spiral Duct Couplings</b> <small>(23 31 13 16-0074)</small>		
23 31 13 16-0151 EA 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	75.35	18.50
For 3" WG (Class B), Add	10.71	
For 4" Or 6" WG (Class A), Add	28.57	
For 22 Gauge, Add	1.80	
For 18 Gauge, Add	4.51	
For 16 Gauge, Add	5.49	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.90	
For 20 Gauge, Add	2.94	
For Work In Restricted Working Space, Add	21.43	
For 24 Gauge, Add	0.78	
23 31 13 16-0152 EA 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	110.18	26.43
For 3" WG (Class B), Add	15.86	
For 4" Or 6" WG (Class A), Add	42.29	
For 22 Gauge, Add	2.05	
For 18 Gauge, Add	5.13	
For 16 Gauge, Add	6.24	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.30	
For 20 Gauge, Add	3.35	
For Work In Restricted Working Space, Add	31.72	
For 24 Gauge, Add	0.89	
23 31 13 16-0153 EA 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	143.92	34.36
For 3" WG (Class B), Add	20.87	
For 4" Or 6" WG (Class A), Add	55.65	
For 22 Gauge, Add	2.21	
For 18 Gauge, Add	5.52	
For 16 Gauge, Add	6.72	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.55	
For 20 Gauge, Add	3.60	
For Work In Restricted Working Space, Add	41.74	
For 24 Gauge, Add	0.96	
23 31 13 16-0154 EA 10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	181.36	43.62
For 3" WG (Class B), Add	26.43	
For 4" Or 6" WG (Class A), Add	70.48	
For 22 Gauge, Add	2.37	
For 18 Gauge, Add	5.92	
For 16 Gauge, Add	7.21	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.81	
For 20 Gauge, Add	3.86	
For Work In Restricted Working Space, Add	52.86	
For 24 Gauge, Add	1.03	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0155	EA 12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	225.76	55.51
	For 3" WG (Class B), Add	33.04	
	For 4" Or 6" WG (Class A), Add	88.10	
	For 22 Gauge, Add	2.53	
	For 18 Gauge, Add	6.33	
	For 16 Gauge, Add	7.70	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.07	
	For 20 Gauge, Add	4.13	
	For Work In Restricted Working Space, Add	66.08	
	For 24 Gauge, Add	1.10	
23 31 13 16-0156	EA 14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	246.13	60.79
	For 3" WG (Class B), Add	36.04	
	For 4" Or 6" WG (Class A), Add	96.11	
	For 22 Gauge, Add	2.69	
	For 18 Gauge, Add	6.73	
	For 16 Gauge, Add	8.19	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.33	
	For 20 Gauge, Add	4.39	
	For Work In Restricted Working Space, Add	72.08	
	For 24 Gauge, Add	1.17	
23 31 13 16-0157	EA 16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	290.68	71.36
	For 3" WG (Class B), Add	42.63	
	For 4" Or 6" WG (Class A), Add	113.68	
	For 22 Gauge, Add	2.98	
	For 18 Gauge, Add	7.44	
	For 16 Gauge, Add	9.06	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.79	
	For 20 Gauge, Add	4.85	
	For Work In Restricted Working Space, Add	85.26	
	For 24 Gauge, Add	1.29	
23 31 13 16-0158	EA 18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	359.23	88.55
	For 3" WG (Class B), Add	52.86	
	For 4" Or 6" WG (Class A), Add	140.96	
	For 22 Gauge, Add	3.14	
	For 18 Gauge, Add	7.84	
	For 16 Gauge, Add	9.55	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.05	
	For 20 Gauge, Add	5.12	
	For Work In Restricted Working Space, Add	105.72	
	For 24 Gauge, Add	1.36	
23 31 13 16-0159	EA 20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	433.55	107.05
	For 3" WG (Class B), Add	63.95	
	For 4" Or 6" WG (Class A), Add	170.52	
	For 22 Gauge, Add	3.33	
	For 18 Gauge, Add	8.33	
	For 16 Gauge, Add	10.14	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.36	
	For 20 Gauge, Add	5.43	
	For Work In Restricted Working Space, Add	127.89	
	For 24 Gauge, Add	1.45	
23 31 13 16-0160	EA 22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	506.22	249.78
	For 3" WG (Class B), Add	74.81	
	For 4" Or 6" WG (Class A), Add	199.48	
	For 22 Gauge, Add	3.46	
	For 18 Gauge, Add	8.65	
	For 16 Gauge, Add	10.53	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.56	
	For 20 Gauge, Add	5.64	
	For Work In Restricted Working Space, Add	149.61	
	For 24 Gauge, Add	1.50	
23 31 13 16-0161	EA 24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	570.31	281.49
	For 3" WG (Class B), Add	84.36	
	For 4" Or 6" WG (Class A), Add	224.95	
	For 22 Gauge, Add	3.65	
	For 18 Gauge, Add	9.13	
	For 16 Gauge, Add	11.12	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.88	
	For 20 Gauge, Add	5.96	
	For Work In Restricted Working Space, Add	168.71	
	For 24 Gauge, Add	1.59	
<b>23 31 13 16-0162</b>	<b>Slip Joint, Galvanized, Spiral Duct Caps</b> <small>(23 31 13 16-0074)</small>		
23 31 13 16-0163	EA 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	40.31	18.50
	For 3" WG (Class B), Add	5.36	
	For 4" Or 6" WG (Class A), Add	14.29	
	For 22 Gauge, Add	2.11	
	For 18 Gauge, Add	5.28	
	For 16 Gauge, Add	6.43	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.40	
	For 20 Gauge, Add	3.44	
	For Work In Restricted Working Space, Add	10.72	
	For 24 Gauge, Add	0.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0164 EA 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	58.01	26.43
For 3" WG (Class B), Add	7.93	
For 4" Or 6" WG (Class A), Add	21.14	
For 22 Gauge, Add	2.37	
For 18 Gauge, Add	5.92	
For 16 Gauge, Add	7.21	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.81	
For 20 Gauge, Add	3.86	
For Work In Restricted Working Space, Add	15.86	
For 24 Gauge, Add	1.03	
23 31 13 16-0165 EA 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	75.19	35.69
For 3" WG (Class B), Add	10.43	
For 4" Or 6" WG (Class A), Add	27.82	
For 22 Gauge, Add	2.59	
For 18 Gauge, Add	6.49	
For 16 Gauge, Add	7.90	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.17	
For 20 Gauge, Add	4.23	
For Work In Restricted Working Space, Add	20.87	
For 24 Gauge, Add	1.13	
23 31 13 16-0166 EA 10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	94.37	44.93
For 3" WG (Class B), Add	13.22	
For 4" Or 6" WG (Class A), Add	35.24	
For 22 Gauge, Add	2.88	
For 18 Gauge, Add	7.20	
For 16 Gauge, Add	8.76	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.63	
For 20 Gauge, Add	4.70	
For Work In Restricted Working Space, Add	26.43	
For 24 Gauge, Add	1.25	
23 31 13 16-0167 EA 12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	117.09	55.51
For 3" WG (Class B), Add	16.52	
For 4" Or 6" WG (Class A), Add	44.05	
For 22 Gauge, Add	3.20	
For 18 Gauge, Add	8.00	
For 16 Gauge, Add	9.74	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.15	
For 20 Gauge, Add	5.22	
For Work In Restricted Working Space, Add	33.04	
For 24 Gauge, Add	1.39	
23 31 13 16-0168 EA 14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	127.80	60.79
For 3" WG (Class B), Add	18.02	
For 4" Or 6" WG (Class A), Add	48.06	
For 22 Gauge, Add	3.52	
For 18 Gauge, Add	8.81	
For 16 Gauge, Add	10.72	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.67	
For 20 Gauge, Add	5.75	
For Work In Restricted Working Space, Add	36.04	
For 24 Gauge, Add	1.53	
23 31 13 16-0169 EA 16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	147.96	70.05
For 3" WG (Class B), Add	20.87	
For 4" Or 6" WG (Class A), Add	55.65	
For 22 Gauge, Add	4.07	
For 18 Gauge, Add	10.17	
For 16 Gauge, Add	12.38	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.54	
For 20 Gauge, Add	6.63	
For Work In Restricted Working Space, Add	41.74	
For 24 Gauge, Add	1.77	
23 31 13 16-0170 EA 18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	206.00	88.55
For 3" WG (Class B), Add	26.43	
For 4" Or 6" WG (Class A), Add	70.48	
For 22 Gauge, Add	13.70	
For 18 Gauge, Add	34.26	
For 16 Gauge, Add	41.71	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.04	
For 20 Gauge, Add	22.34	
For Work In Restricted Working Space, Add	52.86	
For 24 Gauge, Add	5.96	
23 31 13 16-0171 EA 20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	252.56	109.69
For 3" WG (Class B), Add	33.04	
For 4" Or 6" WG (Class A), Add	88.10	
For 22 Gauge, Add	14.86	
For 18 Gauge, Add	37.15	
For 16 Gauge, Add	45.22	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.90	
For 20 Gauge, Add	24.23	
For Work In Restricted Working Space, Add	66.08	
For 24 Gauge, Add	6.46	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0172	EA		22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	275.08	120.26
			<i>For 3" WG (Class B), Add</i>	36.04	
			<i>For 4" Or 6" WG (Class A), Add</i>	96.11	
			<i>For 22 Gauge, Add</i>	16.01	
			<i>For 18 Gauge, Add</i>	40.02	
			<i>For 16 Gauge, Add</i>	48.72	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	25.75	
			<i>For 20 Gauge, Add</i>	26.10	
			<i>For Work In Restricted Working Space, Add</i>	72.08	
			<i>For 24 Gauge, Add</i>	6.96	
23 31 13 16-0173	EA		24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	318.56	140.08
			<i>For 3" WG (Class B), Add</i>	42.18	
			<i>For 4" Or 6" WG (Class A), Add</i>	112.47	
			<i>For 22 Gauge, Add</i>	17.19	
			<i>For 18 Gauge, Add</i>	42.99	
			<i>For 16 Gauge, Add</i>	52.33	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	27.66	
			<i>For 20 Gauge, Add</i>	28.04	
			<i>For Work In Restricted Working Space, Add</i>	84.35	
			<i>For 24 Gauge, Add</i>	7.48	
<b>23 31 13 19 Metal Duct Fittings (23 31 13)</b>					
<b>23 31 13 19-0001 Sheet Metal Baffles (23 31 13 19)</b>					
23 31 13 19-0002	LF		Sheet Metal Baffles Under Raised Floor.....	46.38	37.49
			<i>For Work In Restricted Working Space, Add</i>	13.71	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.57	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.14	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.42	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.99	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.28	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	22.85	
			<i>For Elevated Installation &gt;40', Add</i>	25.13	
<b>23 31 13 19-0003 Duct Register Boots (23 31 13 19)</b>					
23 31 13 19-0004	EA		10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	42.44	17.91
			<i>For Stainless Steel, Add</i>	8.61	
23 31 13 19-0005	EA		10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	42.44	17.91
			<i>For Stainless Steel, Add</i>	8.61	
23 31 13 19-0006	EA		12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	45.45	19.34
			<i>For Stainless Steel, Add</i>	8.80	
23 31 13 19-0007	EA		12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	45.45	19.34
			<i>For Stainless Steel, Add</i>	8.80	
23 31 13 19-0008	EA		12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	47.08	19.34
			<i>For Stainless Steel, Add</i>	10.92	
23 31 13 19-0009	EA		14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	49.13	20.78
			<i>For Stainless Steel, Add</i>	9.85	
23 31 13 19-0010	EA		14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	49.13	20.78
			<i>For Stainless Steel, Add</i>	9.85	
23 31 13 19-0011	EA		14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	50.14	20.78
			<i>For Stainless Steel, Add</i>	11.17	
23 31 13 19-0012	EA		10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	50.38	22.21
			<i>For Stainless Steel, Add</i>	7.75	
23 31 13 19-0013	EA		12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	53.42	23.65
			<i>For Stainless Steel, Add</i>	7.98	
23 31 13 19-0014	EA		12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	57.58	23.65
			<i>For Stainless Steel, Add</i>	13.39	
23 31 13 19-0015	EA		14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	56.65	25.07
			<i>For Stainless Steel, Add</i>	8.45	
23 31 13 19-0016	EA		14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	60.73	25.07
			<i>For Stainless Steel, Add</i>	13.75	
23 31 13 19-0017	EA		12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel.....	44.46	19.34
			<i>For Stainless Steel, Add</i>	7.51	
23 31 13 19-0018	EA		12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	44.46	19.34
			<i>For Stainless Steel, Add</i>	7.51	
23 31 13 19-0019	EA		14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	48.00	20.78
			<i>For Stainless Steel, Add</i>	8.39	
23 31 13 19-0020	EA		14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel.....	48.97	20.78
			<i>For Stainless Steel, Add</i>	9.65	
23 31 13 19-0021	EA		10" x 4" x 6" Register Boot, Center, Galvanized Steel.....	50.51	22.21
			<i>For Stainless Steel, Add</i>	7.92	
23 31 13 19-0022	EA		12" x 4" x 6" Register Boot, Center, Galvanized Steel.....	53.53	23.65
			<i>For Stainless Steel, Add</i>	8.13	
23 31 13 19-0023	EA		12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel.....	45.13	19.34
			<i>For Stainless Steel, Add</i>	8.39	
23 31 13 19-0024	EA		14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel.....	48.39	20.78
			<i>For Stainless Steel, Add</i>	8.89	
23 31 13 19-0025	EA		10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	42.44	17.91
			<i>For Stainless Steel, Add</i>	8.61	
23 31 13 19-0026	EA		12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	45.45	19.34
			<i>For Stainless Steel, Add</i>	8.80	
23 31 13 19-0027	EA		14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel.....	49.13	20.78
			<i>For Stainless Steel, Add</i>	9.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0028 EA 14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	49.13	20.78
<i>For Stainless Steel, Add</i>	9.85	
23 31 13 19-0029 EA 10" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	50.38	22.21
<i>For Stainless Steel, Add</i>	7.75	
23 31 13 19-0030 EA 12" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	53.42	23.65
<i>For Stainless Steel, Add</i>	7.98	
23 31 13 19-0031 EA 12" x 4" x 7" Register Boot, Universal, Galvanized Steel.....	57.58	23.65
<i>For Stainless Steel, Add</i>	13.39	
23 31 13 19-0032 EA 14" x 4" x 7" Register Boot, Universal, Galvanized Steel.....	60.45	25.07
<i>For Stainless Steel, Add</i>	13.39	
<b>23 31 13 23 Galvanized Steel Welded Duct (23 31 13)</b>		
<i>Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.</i>		
23 31 13 23-0001 Welded Steel Ductwork (23 31 13 23)		
<i>Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.</i>		
23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen (23 31 13 23-0001)		
<i>Note: Also includes special exhaust systems and waste.</i>		
23 31 13 23-0003 LB Galvanized Steel Welded Duct.....	25.60	11.36
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.08	
<i>For Work In Restricted Working Space, Add</i>	6.84	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.28	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.56	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.70	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.98	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.12	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.40	
<i>For Elevated Installation &gt;40', Add</i>	12.53	
23 31 13 23-0004 Black Steel Ductwork (23 31 13 23-0001)		
23 31 13 23-0005 LB Black Steel Ductwork.....	24.06	11.72
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	0.47	
<i>For Work In Restricted Working Space, Add</i>	7.03	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.34	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.69	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.86	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.20	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.37	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.72	
<i>For Elevated Installation &gt;40', Add</i>	12.89	
<b>23 31 16 Nonmetal Ducts (23 31)</b>		
<b>23 31 16 13 Fibrous-Glass Ducts (23 31 16)</b>		
23 31 16 13-0001 Glass Fiber Duct Board (23 31 16 13)		
<i>Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.</i>		
23 31 16 13-0002 SF 1" Glass Fiber Duct Board (EI-475).....	11.51	2.35
23 31 16 13-0003 SF 1-1/2" Glass Fiber Duct Board (EI-800).....	13.51	2.58
23 31 16 13-0004 SF 2" Glass Fiber Duct Board (EI-800).....	15.59	2.83
<b>23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts (23 31 16)</b>		
23 31 16 16-0001 Fiber Reinforced Round Plastic Duct (23 31 16 16)		
23 31 16 16-0002 Fiber Reinforced Round Plastic Duct (23 31 16 16-0001)		
23 31 16 16-0003 LF 2" Fiber Reinforced Plastic Duct.....	15.81	5.17
23 31 16 16-0004 LF 3" Fiber Reinforced Plastic Duct.....	19.78	6.06
23 31 16 16-0005 LF 4" Fiber Reinforced Plastic Duct.....	26.87	8.88
23 31 16 16-0006 LF 6" Fiber Reinforced Plastic Duct.....	35.59	11.23
23 31 16 16-0007 LF 8" Fiber Reinforced Plastic Duct.....	45.09	14.06
23 31 16 16-0008 LF 10" Fiber Reinforced Plastic Duct.....	54.36	16.90
23 31 16 16-0009 LF 12" Fiber Reinforced Plastic Duct.....	61.23	19.73
23 31 16 16-0010 LF 14" Fiber Reinforced Plastic Duct.....	69.82	21.58
23 31 16 16-0011 LF 16" Fiber Reinforced Plastic Duct.....	75.45	22.94
23 31 16 16-0012 LF 18" Fiber Reinforced Plastic Duct.....	93.69	25.78
23 31 16 16-0013 LF 20" Fiber Reinforced Plastic Duct.....	98.57	27.63
23 31 16 16-0014 LF 24" Fiber Reinforced Plastic Duct.....	121.36	29.49
23 31 16 16-0015 LF 30" Fiber Reinforced Plastic Duct.....	139.02	34.17
23 31 16 16-0016 LF 36" Fiber Reinforced Plastic Duct.....	160.57	41.21
23 31 16 16-0017 LF 42" Fiber Reinforced Plastic Duct.....	214.30	45.89
23 31 16 16-0018 LF 48" Fiber Reinforced Plastic Duct.....	240.08	51.55
23 31 16 16-0019 LF 54" Fiber Reinforced Plastic Duct.....	266.79	59.07
23 31 16 16-0020 LF 60" Fiber Reinforced Plastic Duct.....	302.87	68.93
23 31 16 16-0021 LF 66" Fiber Reinforced Plastic Duct.....	325.36	84.36
23 31 16 16-0022 LF 72" Fiber Reinforced Plastic Duct.....	397.05	103.10

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 31 16 16-0023 Fiber Reinforced Plastic Bell</b> (23 31 16 16-0001)		
23 31 16 16-0024 EA 2" Fiber Reinforced Plastic Bell.....	61.59	20.99
23 31 16 16-0025 EA 3" Fiber Reinforced Plastic Bell.....	74.30	24.90
23 31 16 16-0026 EA 4" Fiber Reinforced Plastic Bell.....	85.54	29.29
23 31 16 16-0027 EA 6" Fiber Reinforced Plastic Bell.....	112.41	39.05
23 31 16 16-0028 EA 8" Fiber Reinforced Plastic Bell.....	136.84	48.82
23 31 16 16-0029 EA 10" Fiber Reinforced Plastic Bell.....	158.82	58.59
23 31 16 16-0030 EA 12" Fiber Reinforced Plastic Bell.....	196.93	72.74
23 31 16 16-0031 EA 14" Fiber Reinforced Plastic Bell.....	210.62	78.11
23 31 16 16-0032 EA 16" Fiber Reinforced Plastic Bell.....	228.21	83.49
23 31 16 16-0033 EA 18" Fiber Reinforced Plastic Bell.....	245.81	89.83
23 31 16 16-0034 EA 20" Fiber Reinforced Plastic Bell.....	268.78	97.64
23 31 16 16-0035 EA 24" Fiber Reinforced Plastic Bell.....	312.82	107.41
23 31 16 16-0036 EA 30" Fiber Reinforced Plastic Bell.....	364.19	117.17
23 31 16 16-0037 EA 36" Fiber Reinforced Plastic Bell.....	413.10	131.81
23 31 16 16-0038 EA 42" Fiber Reinforced Plastic Bell.....	461.99	146.46
23 31 16 16-0039 EA 48" Fiber Reinforced Plastic Bell.....	510.87	161.11
23 31 16 16-0040 EA 54" Fiber Reinforced Plastic Bell.....	635.58	195.28
23 31 16 16-0041 EA 60" Fiber Reinforced Plastic Bell.....	757.72	244.10
23 31 16 16-0042 EA 66" Fiber Reinforced Plastic Bell.....	909.22	292.92
23 31 16 16-0043 EA 72" Fiber Reinforced Plastic Bell.....	1,041.36	331.98
<b>23 31 16 16-0044 Fiber Reinforced Plastic Flange</b> (23 31 16 16-0001)		
23 31 16 16-0045 EA 2" Fiber Reinforced Plastic Flange.....	100.79	20.99
23 31 16 16-0046 EA 3" Fiber Reinforced Plastic Flange.....	115.95	24.90
23 31 16 16-0047 EA 4" Fiber Reinforced Plastic Flange.....	132.09	29.29
23 31 16 16-0048 EA 6" Fiber Reinforced Plastic Flange.....	171.22	39.05
23 31 16 16-0049 EA 8" Fiber Reinforced Plastic Flange.....	207.90	48.82
23 31 16 16-0050 EA 10" Fiber Reinforced Plastic Flange.....	244.58	58.59
23 31 16 16-0051 EA 12" Fiber Reinforced Plastic Flange.....	287.59	72.74
23 31 16 16-0052 EA 14" Fiber Reinforced Plastic Flange.....	320.88	78.11
23 31 16 16-0053 EA 16" Fiber Reinforced Plastic Flange.....	350.72	83.49
23 31 16 16-0054 EA 18" Fiber Reinforced Plastic Flange.....	373.22	89.83
23 31 16 16-0055 EA 20" Fiber Reinforced Plastic Flange.....	391.29	97.64
23 31 16 16-0056 EA 24" Fiber Reinforced Plastic Flange.....	459.83	107.41
23 31 16 16-0057 EA 30" Fiber Reinforced Plastic Flange.....	506.30	117.17
23 31 16 16-0058 EA 36" Fiber Reinforced Plastic Flange.....	626.26	131.81
23 31 16 16-0059 EA 42" Fiber Reinforced Plastic Flange.....	697.21	146.46
23 31 16 16-0060 EA 48" Fiber Reinforced Plastic Flange.....	792.64	161.11
23 31 16 16-0061 EA 54" Fiber Reinforced Plastic Flange.....	929.60	195.28
23 31 16 16-0062 EA 60" Fiber Reinforced Plastic Flange.....	1,108.09	244.10
23 31 16 16-0063 EA 66" Fiber Reinforced Plastic Flange.....	1,286.55	292.92
23 31 16 16-0064 EA 72" Fiber Reinforced Plastic Flange.....	1,472.59	331.98
<b>23 31 16 16-0065 Fiber Reinforced Plastic 90 Degree Elbow</b> (23 31 16 16-0001)		
23 31 16 16-0066 EA 2" Fiber Reinforced Plastic 90 Degree Elbow.....	165.22	50.57
23 31 16 16-0067 EA 3" Fiber Reinforced Plastic 90 Degree Elbow.....	193.88	60.44
23 31 16 16-0068 EA 4" Fiber Reinforced Plastic 90 Degree Elbow.....	224.98	70.30
23 31 16 16-0069 EA 6" Fiber Reinforced Plastic 90 Degree Elbow.....	290.99	93.74
23 31 16 16-0070 EA 8" Fiber Reinforced Plastic 90 Degree Elbow.....	356.99	117.17
23 31 16 16-0071 EA 10" Fiber Reinforced Plastic 90 Degree Elbow.....	423.01	140.60
23 31 16 16-0072 EA 12" Fiber Reinforced Plastic 90 Degree Elbow.....	519.26	174.88
23 31 16 16-0073 EA 14" Fiber Reinforced Plastic 90 Degree Elbow.....	590.33	185.13
23 31 16 16-0074 EA 16" Fiber Reinforced Plastic 90 Degree Elbow.....	673.24	201.05
23 31 16 16-0075 EA 18" Fiber Reinforced Plastic 90 Degree Elbow.....	805.27	215.59
23 31 16 16-0076 EA 20" Fiber Reinforced Plastic 90 Degree Elbow.....	929.66	234.33
23 31 16 16-0077 EA 24" Fiber Reinforced Plastic 90 Degree Elbow.....	1,078.97	257.77
23 31 16 16-0078 EA 30" Fiber Reinforced Plastic 90 Degree Elbow.....	1,461.02	281.21
23 31 16 16-0079 EA 36" Fiber Reinforced Plastic 90 Degree Elbow.....	1,874.93	316.36
23 31 16 16-0080 EA 42" Fiber Reinforced Plastic 90 Degree Elbow.....	2,472.55	351.60
23 31 16 16-0081 EA 48" Fiber Reinforced Plastic 90 Degree Elbow.....	2,935.48	386.75
23 31 16 16-0082 EA 54" Fiber Reinforced Plastic 90 Degree Elbow.....	3,476.30	468.68
23 31 16 16-0083 EA 60" Fiber Reinforced Plastic 90 Degree Elbow.....	4,210.61	585.84
23 31 16 16-0084 EA 66" Fiber Reinforced Plastic 90 Degree Elbow.....	4,944.56	702.82
23 31 16 16-0085 EA 72" Fiber Reinforced Plastic 90 Degree Elbow.....	5,639.64	796.46
<b>23 31 16 16-0086 Fiber Reinforced Plastic 45 Degree Elbow</b> (23 31 16 16-0001)		
23 31 16 16-0087 EA 2" Fiber Reinforced Plastic 45 Degree Elbow.....	138.25	50.57
23 31 16 16-0088 EA 3" Fiber Reinforced Plastic 45 Degree Elbow.....	162.02	60.44
23 31 16 16-0089 EA 4" Fiber Reinforced Plastic 45 Degree Elbow.....	188.20	70.30
23 31 16 16-0090 EA 6" Fiber Reinforced Plastic 45 Degree Elbow.....	237.09	93.74
23 31 16 16-0091 EA 8" Fiber Reinforced Plastic 45 Degree Elbow.....	285.94	117.17
23 31 16 16-0092 EA 10" Fiber Reinforced Plastic 45 Degree Elbow.....	339.78	140.60
23 31 16 16-0093 EA 12" Fiber Reinforced Plastic 45 Degree Elbow.....	418.88	174.88
23 31 16 16-0094 EA 14" Fiber Reinforced Plastic 45 Degree Elbow.....	455.50	185.13
23 31 16 16-0095 EA 16" Fiber Reinforced Plastic 45 Degree Elbow.....	545.65	200.95
23 31 16 16-0096 EA 18" Fiber Reinforced Plastic 45 Degree Elbow.....	629.12	215.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0097 EA 20" Fiber Reinforced Plastic 45 Degree Elbow .....	728.68	234.33
23 31 16 16-0098 EA 24" Fiber Reinforced Plastic 45 Degree Elbow .....	840.86	257.58
23 31 16 16-0099 EA 30" Fiber Reinforced Plastic 45 Degree Elbow .....	1,068.63	281.01
23 31 16 16-0100 EA 36" Fiber Reinforced Plastic 45 Degree Elbow .....	1,309.39	316.65
23 31 16 16-0101 EA 42" Fiber Reinforced Plastic 45 Degree Elbow .....	1,671.78	351.80
23 31 16 16-0102 EA 48" Fiber Reinforced Plastic 45 Degree Elbow .....	1,967.67	386.75
23 31 16 16-0103 EA 54" Fiber Reinforced Plastic 45 Degree Elbow .....	2,344.32	468.68
23 31 16 16-0104 EA 60" Fiber Reinforced Plastic 45 Degree Elbow .....	2,809.12	585.84
23 31 16 16-0105 EA 66" Fiber Reinforced Plastic 45 Degree Elbow .....	3,300.71	701.45
23 31 16 16-0106 EA 72" Fiber Reinforced Plastic 45 Degree Elbow .....	3,729.97	797.23
<b>23 31 16 16-0107 Fiber Reinforced Plastic Tee (23 31 16 16-0001)</b>		
23 31 16 16-0108 EA 2" Fiber Reinforced Plastic Tee .....	211.53	75.47
23 31 16 16-0109 EA 3" Fiber Reinforced Plastic Tee .....	249.54	90.91
23 31 16 16-0110 EA 4" Fiber Reinforced Plastic Tee .....	286.01	105.45
23 31 16 16-0111 EA 6" Fiber Reinforced Plastic Tee .....	369.11	140.60
23 31 16 16-0112 EA 8" Fiber Reinforced Plastic Tee .....	450.66	174.88
23 31 16 16-0113 EA 10" Fiber Reinforced Plastic Tee .....	536.81	211.88
23 31 16 16-0114 EA 12" Fiber Reinforced Plastic Tee .....	648.53	256.79
23 31 16 16-0115 EA 14" Fiber Reinforced Plastic Tee .....	708.21	277.88
23 31 16 16-0116 EA 16" Fiber Reinforced Plastic Tee .....	821.61	301.90
23 31 16 16-0117 EA 18" Fiber Reinforced Plastic Tee .....	931.01	323.38
23 31 16 16-0118 EA 20" Fiber Reinforced Plastic Tee .....	1,075.96	351.60
23 31 16 16-0119 EA 24" Fiber Reinforced Plastic Tee .....	1,232.62	386.75
23 31 16 16-0120 EA 30" Fiber Reinforced Plastic Tee .....	1,474.66	421.71
23 31 16 16-0121 EA 36" Fiber Reinforced Plastic Tee .....	1,771.31	474.72
23 31 16 16-0122 EA 42" Fiber Reinforced Plastic Tee .....	2,349.12	527.46
23 31 16 16-0123 EA 48" Fiber Reinforced Plastic Tee .....	2,804.74	580.28
23 31 16 16-0124 EA 54" Fiber Reinforced Plastic Tee .....	3,377.58	703.50
23 31 16 16-0125 EA 60" Fiber Reinforced Plastic Tee .....	4,037.87	879.16
23 31 16 16-0126 EA 66" Fiber Reinforced Plastic Tee .....	4,697.59	1,054.42
23 31 16 16-0127 EA 72" Fiber Reinforced Plastic Tee .....	5,300.39	1,195.61
<b>23 31 16 16-0128 Fiber Reinforced Plastic Lateral Joint (23 31 16 16-0001)</b>		
23 31 16 16-0129 EA 2" Fiber Reinforced Plastic Lateral Joint .....	174.75	75.47
23 31 16 16-0130 EA 3" Fiber Reinforced Plastic Lateral Joint .....	205.40	90.91
23 31 16 16-0131 EA 4" Fiber Reinforced Plastic Lateral Joint .....	234.58	105.45
23 31 16 16-0132 EA 6" Fiber Reinforced Plastic Lateral Joint .....	298.12	140.60
23 31 16 16-0133 EA 8" Fiber Reinforced Plastic Lateral Joint .....	360.07	174.88
23 31 16 16-0134 EA 10" Fiber Reinforced Plastic Lateral Joint .....	431.51	211.88
23 31 16 16-0135 EA 12" Fiber Reinforced Plastic Lateral Joint .....	516.46	256.99
23 31 16 16-0136 EA 14" Fiber Reinforced Plastic Lateral Joint .....	560.76	277.69
23 31 16 16-0137 EA 16" Fiber Reinforced Plastic Lateral Joint .....	616.01	302.00
23 31 16 16-0138 EA 18" Fiber Reinforced Plastic Lateral Joint .....	666.86	323.68
23 31 16 16-0139 EA 20" Fiber Reinforced Plastic Lateral Joint .....	728.47	351.80
23 31 16 16-0140 EA 24" Fiber Reinforced Plastic Lateral Joint .....	806.29	386.75
23 31 16 16-0141 EA 30" Fiber Reinforced Plastic Lateral Joint .....	891.12	421.52
23 31 16 16-0142 EA 36" Fiber Reinforced Plastic Lateral Joint .....	1,006.35	474.43
23 31 16 16-0143 EA 42" Fiber Reinforced Plastic Lateral Joint .....	1,124.67	527.75
23 31 16 16-0144 EA 48" Fiber Reinforced Plastic Lateral Joint .....	1,236.26	580.09
23 31 16 16-0145 EA 54" Fiber Reinforced Plastic Lateral Joint .....	1,475.34	701.45
23 31 16 16-0146 EA 60" Fiber Reinforced Plastic Lateral Joint .....	1,798.61	880.72
23 31 16 16-0147 EA 66" Fiber Reinforced Plastic Lateral Joint .....	2,175.19	1,055.20
23 31 16 16-0148 EA 72" Fiber Reinforced Plastic Lateral Joint .....	2,433.70	1,195.61
<b>23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer (23 31 16 16-0001)</b>		
23 31 16 16-0150 EA 2" Fiber Reinforced Plastic One Piece Reducer .....	148.09	50.68
23 31 16 16-0151 EA 3" Fiber Reinforced Plastic One Piece Reducer .....	174.32	60.53
23 31 16 16-0152 EA 4" Fiber Reinforced Plastic One Piece Reducer .....	205.43	70.30
23 31 16 16-0153 EA 6" Fiber Reinforced Plastic One Piece Reducer .....	264.04	93.74
23 31 16 16-0154 EA 8" Fiber Reinforced Plastic One Piece Reducer .....	317.79	117.17
23 31 16 16-0155 EA 10" Fiber Reinforced Plastic One Piece Reducer .....	382.29	141.19
23 31 16 16-0156 EA 12" Fiber Reinforced Plastic One Piece Reducer .....	453.18	174.88
23 31 16 16-0157 EA 14" Fiber Reinforced Plastic One Piece Reducer .....	484.90	185.13
23 31 16 16-0158 EA 16" Fiber Reinforced Plastic One Piece Reducer .....	535.85	200.95
23 31 16 16-0159 EA 18" Fiber Reinforced Plastic One Piece Reducer .....	589.92	215.78
23 31 16 16-0160 EA 20" Fiber Reinforced Plastic One Piece Reducer .....	660.08	234.33
23 31 16 16-0161 EA 24" Fiber Reinforced Plastic One Piece Reducer .....	753.56	258.06
23 31 16 16-0162 EA 30" Fiber Reinforced Plastic One Piece Reducer .....	846.74	281.69
23 31 16 16-0163 EA 36" Fiber Reinforced Plastic One Piece Reducer .....	959.02	316.65
23 31 16 16-0164 EA 42" Fiber Reinforced Plastic One Piece Reducer .....	1,071.49	351.80
23 31 16 16-0165 EA 48" Fiber Reinforced Plastic One Piece Reducer .....	1,208.12	386.75
23 31 16 16-0166 EA 54" Fiber Reinforced Plastic One Piece Reducer .....	1,430.41	468.68
23 31 16 16-0167 EA 60" Fiber Reinforced Plastic One Piece Reducer .....	1,704.10	585.84
23 31 16 16-0168 EA 66" Fiber Reinforced Plastic One Piece Reducer .....	1,904.12	701.45
23 31 16 16-0169 EA 72" Fiber Reinforced Plastic One Piece Reducer .....	2,137.36	797.23

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 16 16-0170	Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)		
23 31 16 16-0171	EA 2" Fiber Reinforced Plastic Two Piece Reducer .....	177.50	50.68
23 31 16 16-0172	EA 3" Fiber Reinforced Plastic Two Piece Reducer .....	193.93	60.53
23 31 16 16-0173	EA 4" Fiber Reinforced Plastic Two Piece Reducer .....	225.03	70.30
23 31 16 16-0174	EA 6" Fiber Reinforced Plastic Two Piece Reducer .....	290.99	93.74
23 31 16 16-0175	EA 8" Fiber Reinforced Plastic Two Piece Reducer .....	356.99	117.17
23 31 16 16-0176	EA 10" Fiber Reinforced Plastic Two Piece Reducer .....	423.94	141.19
23 31 16 16-0177	EA 12" Fiber Reinforced Plastic Two Piece Reducer .....	507.08	174.88
23 31 16 16-0178	EA 14" Fiber Reinforced Plastic Two Piece Reducer .....	553.51	185.13
23 31 16 16-0179	EA 16" Fiber Reinforced Plastic Two Piece Reducer .....	604.46	200.95
23 31 16 16-0180	EA 18" Fiber Reinforced Plastic Two Piece Reducer .....	683.02	215.78
23 31 16 16-0181	EA 20" Fiber Reinforced Plastic Two Piece Reducer .....	865.89	234.33
23 31 16 16-0182	EA 24" Fiber Reinforced Plastic Two Piece Reducer .....	1,054.93	258.06
23 31 16 16-0183	EA 30" Fiber Reinforced Plastic Two Piece Reducer .....	1,130.96	281.69
23 31 16 16-0184	EA 36" Fiber Reinforced Plastic Two Piece Reducer .....	1,287.34	316.65
23 31 16 16-0185	EA 42" Fiber Reinforced Plastic Two Piece Reducer .....	1,394.91	351.80
23 31 16 16-0186	EA 48" Fiber Reinforced Plastic Two Piece Reducer .....	1,526.64	386.75
23 31 16 16-0187	EA 54" Fiber Reinforced Plastic Two Piece Reducer .....	1,687.68	468.68
23 31 16 16-0188	EA 60" Fiber Reinforced Plastic Two Piece Reducer .....	1,946.66	585.84
23 31 16 16-0189	EA 66" Fiber Reinforced Plastic Two Piece Reducer .....	2,173.64	701.45
23 31 16 16-0190	EA 72" Fiber Reinforced Plastic Two Piece Reducer .....	2,382.38	797.23

23 31 16 16-0191	Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)		
23 31 16 16-0192	EA 2" Fiber Reinforced Plastic Damper .....	361.29	50.57
23 31 16 16-0193	EA 3" Fiber Reinforced Plastic Damper .....	406.87	60.44
23 31 16 16-0194	EA 4" Fiber Reinforced Plastic Damper .....	452.43	70.30
23 31 16 16-0195	EA 6" Fiber Reinforced Plastic Damper .....	535.22	93.74
23 31 16 16-0196	EA 8" Fiber Reinforced Plastic Damper .....	632.57	117.17
23 31 16 16-0197	EA 10" Fiber Reinforced Plastic Damper .....	715.37	140.60
23 31 16 16-0198	EA 12" Fiber Reinforced Plastic Damper .....	816.15	174.88
23 31 16 16-0199	EA 14" Fiber Reinforced Plastic Damper .....	906.19	185.13
23 31 16 16-0200	EA 16" Fiber Reinforced Plastic Damper .....	1,005.63	201.05
23 31 16 16-0201	EA 18" Fiber Reinforced Plastic Damper .....	1,102.74	215.59
23 31 16 16-0202	EA 20" Fiber Reinforced Plastic Damper .....	1,177.75	234.33
23 31 16 16-0203	EA 24" Fiber Reinforced Plastic Damper .....	1,333.42	257.77
23 31 16 16-0204	EA 30" Fiber Reinforced Plastic Damper .....	1,547.36	281.21
23 31 16 16-0205	EA 36" Fiber Reinforced Plastic Damper .....	1,780.91	316.36
23 31 16 16-0206	EA 42" Fiber Reinforced Plastic Damper .....	2,043.57	351.60
23 31 16 16-0207	EA 48" Fiber Reinforced Plastic Damper .....	2,277.14	386.75
23 31 16 16-0208	EA 54" Fiber Reinforced Plastic Damper .....	2,676.05	468.68
23 31 16 16-0209	EA 60" Fiber Reinforced Plastic Damper .....	3,133.71	585.84
23 31 16 16-0210	EA 66" Fiber Reinforced Plastic Damper .....	3,561.84	702.82
23 31 16 16-0211	EA 72" Fiber Reinforced Plastic Damper .....	4,096.88	796.46

**23 31 16 23 Fabric Ducts (23 31 16)**

23 31 16 23-0001	Heavy Duty Fabric Ducts (Zip-A-Duct™) (23 31 16 23)		
23 31 16 23-0002	Heavy Duty Fabric Duct Without Vents (23 31 16 23-0001)		
	Note: Includes fabric loops for cable hooks. Requires Suspension Hardware as well as an Inlet Section and Endcap per complete run. See CSI section 23 31 16 23-0064 for suspension hardware.		
23 31 16 23-0003	EA 12" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents .....	189.50	9.94
	Note: Excludes suspension cable and hardware.		
23 31 16 23-0004	EA 12" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents .....	295.22	13.26
	Note: Excludes suspension cable and hardware.		
23 31 16 23-0005	EA 16" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents .....	230.85	16.57
	Note: Excludes suspension cable and hardware.		
23 31 16 23-0006	EA 16" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents .....	342.31	21.79
	Note: Excludes suspension cable and hardware.		
23 31 16 23-0007	EA 20" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents .....	281.40	22.74
	Note: Excludes suspension cable and hardware.		
23 31 16 23-0008	EA 20" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents .....	402.17	30.31
	Note: Excludes suspension cable and hardware.		
23 31 16 23-0009	EA 24" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents .....	329.13	29.36
	Note: Excludes suspension cable and hardware.		
23 31 16 23-0010	EA 24" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents .....	462.02	38.83
	Note: Excludes suspension cable and hardware.		
23 31 16 23-0011	EA 28" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents .....	367.56	33.63
	Note: Excludes suspension cable and hardware.		
23 31 16 23-0012	EA 28" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents .....	548.72	44.99
	Note: Excludes suspension cable and hardware.		
23 31 16 23-0013	EA 32" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents .....	404.56	37.42
	Note: Excludes suspension cable and hardware.		
23 31 16 23-0014	EA 32" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents .....	611.97	49.72
	Note: Excludes suspension cable and hardware.		
23 31 16 23-0015	EA 36" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents .....	441.61	42.63
	Note: Excludes suspension cable and hardware.		
23 31 16 23-0016	EA 36" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents .....	705.79	56.83
	Note: Excludes suspension cable and hardware.		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 31 16 23-0017</b> Heavy Duty Fabric Duct With Vents <small>(23 31 16 23-0001)</small>		
23 31 16 23-0018 EA 12" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	507.84	13.26
23 31 16 23-0019 EA 16" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	567.69	21.79
23 31 16 23-0020 EA 20" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	638.18	30.31
23 31 16 23-0021 EA 24" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	710.78	38.83
23 31 16 23-0022 EA 28" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	854.89	44.99
23 31 16 23-0023 EA 32" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	918.14	49.72
23 31 16 23-0024 EA 36" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	1,037.48	56.83
<b>23 31 16 23-0025</b> Heavy Duty Fabric Duct 90 Degree Elbow <small>(23 31 16 23-0001)</small>		
23 31 16 23-0026 EA 12" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	381.02	14.21
23 31 16 23-0027 EA 16" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	430.24	22.74
23 31 16 23-0028 EA 20" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	578.43	24.63
23 31 16 23-0029 EA 24" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	708.45	33.15
23 31 16 23-0030 EA 28" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	892.15	36.94
23 31 16 23-0031 EA 32" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	1,108.43	40.25
23 31 16 23-0032 EA 36" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	1,258.97	44.99
<b>23 31 16 23-0033</b> Heavy Duty Fabric Duct 45 Degree Elbow <small>(23 31 16 23-0001)</small>		
23 31 16 23-0034 EA 12" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	293.85	14.21
23 31 16 23-0035 EA 16" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	349.44	22.74
23 31 16 23-0036 EA 20" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	391.33	24.63
23 31 16 23-0037 EA 24" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	459.68	33.15
23 31 16 23-0038 EA 28" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	530.70	36.94
23 31 16 23-0039 EA 32" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	634.29	40.25
23 31 16 23-0040 EA 36" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	723.06	44.99
<b>23 31 16 23-0041</b> Heavy Duty Fabric Duct Tee <small>(23 31 16 23-0001)</small>		
23 31 16 23-0042 EA 16" x 12" x 12" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	929.57	33.15
23 31 16 23-0043 EA 20" x 16" x 16" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	979.27	35.52
23 31 16 23-0044 EA 24" x 16" x 16" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,067.61	47.83
23 31 16 23-0045 EA 28" x 20" x 20" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,125.24	53.52
23 31 16 23-0046 EA 32" x 24" x 24" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,169.35	58.25
23 31 16 23-0047 EA 36" x 28" x 28" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,229.15	65.36
<b>23 31 16 23-0048</b> Heavy Duty Fabric Duct Inlets <small>(23 31 16 23-0001)</small>		
23 31 16 23-0049 EA 12" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	155.64	14.21
23 31 16 23-0050 EA 16" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	187.85	22.74
23 31 16 23-0051 EA 20" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	202.10	24.63
23 31 16 23-0052 EA 24" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	236.43	33.15
23 31 16 23-0053 EA 28" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	254.29	36.94
23 31 16 23-0054 EA 32" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	272.83	40.25
23 31 16 23-0055 EA 36" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	299.95	44.99

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0056			<b>Heavy Duty Fabric Duct Cap</b> (23 31 16 23-0001)		
23 31 16 23-0057	EA		12" Diameter Gray Heavy Duty Fabric Duct End Cap.....	91.64	8.53
			Note: Excludes suspension cable and hardware.		
23 31 16 23-0058	EA		16" Diameter Gray Heavy Duty Fabric Duct End Cap.....	118.06	13.74
			Note: Excludes suspension cable and hardware.		
23 31 16 23-0059	EA		20" Diameter Gray Heavy Duty Fabric Duct End Cap.....	137.94	14.68
			Note: Excludes suspension cable and hardware.		
23 31 16 23-0060	EA		24" Diameter Gray Heavy Duty Fabric Duct End Cap.....	191.99	19.89
			Note: Excludes suspension cable and hardware.		
23 31 16 23-0061	EA		28" Diameter Gray Heavy Duty Fabric Duct End Cap.....	228.93	22.26
			Note: Excludes suspension cable and hardware.		
23 31 16 23-0062	EA		32" Diameter Gray Heavy Duty Fabric Duct End Cap.....	283.58	24.15
			Note: Excludes suspension cable and hardware.		
23 31 16 23-0063	EA		36" Diameter Gray Heavy Duty Fabric Duct End Cap.....	319.83	27.00
			Note: Excludes suspension cable and hardware.		
23 31 16 23-0064			<b>Heavy Duty Fabric Duct Suspension Hardware</b> (23 31 16 23-0001)		
23 31 16 23-0065	EA		12 To 20 Inch Diameter Ducts Fixing Strap With Galvanized Hardware.....	39.27	7.18
			Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.		
23 31 16 23-0066	EA		20 To 36 Inch Diameter Ducts Fixing Strap With Galvanized Hardware.....	60.92	10.76
			Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.		
23 31 16 23-0067	EA		Galvanized Cable Locks For Horizontal Cables.....	15.26	3.59
			Note: Requires two (2) cable locks per support point or per stretcher.		
23 31 16 23-0068	LF		Galvanized Plastic Coated Cable For Fabric Duct.....	0.82	0.14
			Note: Excludes anchor bolts or anchors.		
23 31 16 23-0069	EA		Galvanized Stretcher For Straight Fabric Duct Runs.....	34.57	7.18
23 31 16 23-0070	EA		12 To 20 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware.....	67.50	7.18
			Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.		
23 31 16 23-0071	EA		20 To 36 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware.....	93.03	10.76
			Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.		
23 31 16 23-0072	EA		Stainless Steel Cable Locks For Horizontal Cables.....	19.24	3.59
			Note: Requires two (2) cable locks per support point or per stretcher.		
23 31 16 23-0073	LF		Stainless Steel Plastic Coated Cable For Fabric Duct.....	2.44	0.14
			Note: Excludes anchor bolts or anchors.		
23 31 16 23-0074	EA		Stainless Steel Stretcher For Straight Fabric Duct Runs.....	44.86	7.18
23 33			<b>Air Duct Accessories</b> (23 30)		
23 33 13			<b>Dampers</b> (23 33)		
23 33 13 13			<b>Volume-Control Dampers</b> (23 33 13)		
23 33 13 13-0001			<b>Radial Opposed Blade Damper Steel Construction (Ruskin CDR)</b> (23 33 13 13)		
23 33 13 13-0002	EA		6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	112.95	11.47
			For Stainless Steel, Add	89.02	
			For Parallel Blade Damper, Add	27.39	
23 33 13 13-0003	EA		7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	121.05	12.89
			For Stainless Steel, Add	90.31	
			For Parallel Blade Damper, Add	27.79	
23 33 13 13-0004	EA		8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	130.18	14.33
			For Stainless Steel, Add	91.26	
			For Parallel Blade Damper, Add	28.08	
23 33 13 13-0005	EA		10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	140.72	17.19
			For Stainless Steel, Add	96.97	
			For Parallel Blade Damper, Add	29.84	
23 33 13 13-0006	EA		12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	152.67	18.63
			For Stainless Steel, Add	102.67	
			For Parallel Blade Damper, Add	31.59	
23 33 13 13-0007	EA		14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	181.52	20.06
			For Stainless Steel, Add	131.20	
			For Parallel Blade Damper, Add	40.37	
23 33 13 13-0008	EA		15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	198.63	21.49
			For Stainless Steel, Add	142.61	
			For Parallel Blade Damper, Add	43.88	
23 33 13 13-0009	EA		16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	209.59	24.36
			For Stainless Steel, Add	148.29	
			For Parallel Blade Damper, Add	45.63	
23 33 13 13-0010	EA		18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	230.41	25.79
			For Stainless Steel, Add	165.41	
			For Parallel Blade Damper, Add	50.90	
23 33 13 13-0011	EA		20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	270.10	28.66
			For Stainless Steel, Add	205.35	
			For Parallel Blade Damper, Add	63.18	
23 33 13 13-0012	EA		24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	297.10	28.66
			For Stainless Steel, Add	233.83	
			For Parallel Blade Damper, Add	71.95	
23 33 13 13-0013	EA		30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	339.55	32.95
			For Stainless Steel, Add	273.77	
			For Parallel Blade Damper, Add	84.24	
23 33 13 13-0014	EA		36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated.....	365.21	34.39
			For Stainless Steel, Add	298.31	
			For Parallel Blade Damper, Add	91.79	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13	13-0015		<b>Rectangular Opposed Blade Damper (Ruskin CD)</b> <small>(23 33 13 13)</small>		
23 33 13	13	13-0016	EA	6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	117.46	15.93
				<i>For Stainless Steel, Add</i>	90.57	
				<i>For Parallel Blade Damper, Add</i>	27.87	
23 33 13	13	13-0017	EA	8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	124.56	16.65
				<i>For Stainless Steel, Add</i>	96.99	
				<i>For Parallel Blade Damper, Add</i>	29.84	
23 33 13	13	13-0018	EA	8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	129.83	16.79
				<i>For Stainless Steel, Add</i>	103.48	
				<i>For Parallel Blade Damper, Add</i>	31.84	
23 33 13	13	13-0019	EA	10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	129.83	16.79
				<i>For Stainless Steel, Add</i>	103.48	
				<i>For Parallel Blade Damper, Add</i>	31.84	
23 33 13	13	13-0020	EA	10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	136.25	17.23
				<i>For Stainless Steel, Add</i>	109.95	
				<i>For Parallel Blade Damper, Add</i>	33.83	
23 33 13	13	13-0021	EA	10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	151.92	19.09
				<i>For Stainless Steel, Add</i>	122.86	
				<i>For Parallel Blade Damper, Add</i>	37.80	
23 33 13	13	13-0022	EA	12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	136.25	17.23
				<i>For Stainless Steel, Add</i>	109.95	
				<i>For Parallel Blade Damper, Add</i>	33.83	
23 33 13	13	13-0023	EA	12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	149.04	18.23
				<i>For Stainless Steel, Add</i>	122.86	
				<i>For Parallel Blade Damper, Add</i>	37.80	
23 33 13	13	13-0024	EA	12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	156.93	19.09
				<i>For Stainless Steel, Add</i>	129.38	
				<i>For Parallel Blade Damper, Add</i>	39.81	
23 33 13	13	13-0025	EA	12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	169.08	21.53
				<i>For Stainless Steel, Add</i>	135.85	
				<i>For Parallel Blade Damper, Add</i>	41.80	
23 33 13	13	13-0026	EA	14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	146.58	18.23
				<i>For Stainless Steel, Add</i>	119.67	
				<i>For Parallel Blade Damper, Add</i>	36.82	
23 33 13	13	13-0027	EA	14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	156.93	19.09
				<i>For Stainless Steel, Add</i>	129.38	
				<i>For Parallel Blade Damper, Add</i>	39.81	
23 33 13	13	13-0028	EA	14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	164.77	20.09
				<i>For Stainless Steel, Add</i>	135.85	
				<i>For Parallel Blade Damper, Add</i>	41.80	
23 33 13	13	13-0029	EA	14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	174.06	21.53
				<i>For Stainless Steel, Add</i>	142.32	
				<i>For Parallel Blade Damper, Add</i>	43.79	
23 33 13	13	13-0030	EA	14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	193.66	23.96
				<i>For Stainless Steel, Add</i>	158.47	
				<i>For Parallel Blade Damper, Add</i>	48.76	
23 33 13	13	13-0031	EA	16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	156.93	19.09
				<i>For Stainless Steel, Add</i>	129.38	
				<i>For Parallel Blade Damper, Add</i>	39.81	
23 33 13	13	13-0032	EA	16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	166.21	20.52
				<i>For Stainless Steel, Add</i>	135.85	
				<i>For Parallel Blade Damper, Add</i>	41.80	
23 33 13	13	13-0033	EA	16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	176.93	22.53
				<i>For Stainless Steel, Add</i>	142.32	
				<i>For Parallel Blade Damper, Add</i>	43.79	
23 33 13	13	13-0034	EA	16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	186.19	23.96
				<i>For Stainless Steel, Add</i>	148.76	
				<i>For Parallel Blade Damper, Add</i>	45.77	
23 33 13	13	13-0035	EA	16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	205.86	26.26
				<i>For Stainless Steel, Add</i>	165.00	
				<i>For Parallel Blade Damper, Add</i>	50.77	
23 33 13	13	13-0036	EA	16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	225.45	28.70
				<i>For Stainless Steel, Add</i>	181.14	
				<i>For Parallel Blade Damper, Add</i>	55.74	
23 33 13	13	13-0037	EA	18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	164.77	20.09
				<i>For Stainless Steel, Add</i>	135.85	
				<i>For Parallel Blade Damper, Add</i>	41.80	
23 33 13	13	13-0038	EA	18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	176.52	21.53
				<i>For Stainless Steel, Add</i>	145.52	
				<i>For Parallel Blade Damper, Add</i>	44.78	
23 33 13	13	13-0039	EA	18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	191.21	23.96
				<i>For Stainless Steel, Add</i>	155.29	
				<i>For Parallel Blade Damper, Add</i>	47.78	
23 33 13	13	13-0040	EA	18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	210.84	26.26
				<i>For Stainless Steel, Add</i>	171.47	
				<i>For Parallel Blade Damper, Add</i>	52.76	
23 33 13	13	13-0041	EA	18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	227.94	28.70
				<i>For Stainless Steel, Add</i>	184.38	
				<i>For Parallel Blade Damper, Add</i>	56.73	
23 33 13	13	13-0042	EA	18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	247.53	31.00
				<i>For Stainless Steel, Add</i>	200.53	
				<i>For Parallel Blade Damper, Add</i>	61.70	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0043	EA		18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	262.18	33.43
			<i>For Stainless Steel, Add</i>	210.24	
			<i>For Parallel Blade Damper, Add</i>	64.69	
23 33 13 13-0044	EA		20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	174.06	21.53
			<i>For Stainless Steel, Add</i>	142.32	
			<i>For Parallel Blade Damper, Add</i>	43.79	
23 33 13 13-0045	EA		20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	191.17	23.96
			<i>For Stainless Steel, Add</i>	155.23	
			<i>For Parallel Blade Damper, Add</i>	47.76	
23 33 13 13-0046	EA		20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	208.31	26.26
			<i>For Stainless Steel, Add</i>	168.18	
			<i>For Parallel Blade Damper, Add</i>	51.75	
23 33 13 13-0047	EA		20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	235.41	28.70
			<i>For Stainless Steel, Add</i>	194.09	
			<i>For Parallel Blade Damper, Add</i>	59.72	
23 33 13 13-0048	EA		20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	250.05	31.00
			<i>For Stainless Steel, Add</i>	203.80	
			<i>For Parallel Blade Damper, Add</i>	62.71	
23 33 13 13-0049	EA		20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	264.70	33.43
			<i>For Stainless Steel, Add</i>	213.51	
			<i>For Parallel Blade Damper, Add</i>	65.70	
23 33 13 13-0050	EA		20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	281.80	35.88
			<i>For Stainless Steel, Add</i>	226.42	
			<i>For Parallel Blade Damper, Add</i>	69.67	
23 33 13 13-0051	EA		20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	298.91	38.17
			<i>For Stainless Steel, Add</i>	239.33	
			<i>For Parallel Blade Damper, Add</i>	73.64	
23 33 13 13-0052	EA		24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	196.15	23.96
			<i>For Stainless Steel, Add</i>	161.71	
			<i>For Parallel Blade Damper, Add</i>	49.76	
23 33 13 13-0053	EA		24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	218.28	26.26
			<i>For Stainless Steel, Add</i>	181.14	
			<i>For Parallel Blade Damper, Add</i>	55.74	
23 33 13 13-0054	EA		24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	235.41	28.70
			<i>For Stainless Steel, Add</i>	194.09	
			<i>For Parallel Blade Damper, Add</i>	59.72	
23 33 13 13-0055	EA		24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	257.52	31.00
			<i>For Stainless Steel, Add</i>	213.51	
			<i>For Parallel Blade Damper, Add</i>	65.70	
23 33 13 13-0056	EA		24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	272.14	33.43
			<i>For Stainless Steel, Add</i>	223.18	
			<i>For Parallel Blade Damper, Add</i>	68.67	
23 33 13 13-0057	EA		24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	286.78	35.88
			<i>For Stainless Steel, Add</i>	232.90	
			<i>For Parallel Blade Damper, Add</i>	71.66	
23 33 13 13-0058	EA		24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	308.87	38.17
			<i>For Stainless Steel, Add</i>	252.28	
			<i>For Parallel Blade Damper, Add</i>	77.62	
23 33 13 13-0059	EA		24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	338.13	43.06
			<i>For Stainless Steel, Add</i>	271.66	
			<i>For Parallel Blade Damper, Add</i>	83.59	
23 33 13 13-0060	EA		24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	372.44	47.79
			<i>For Stainless Steel, Add</i>	297.61	
			<i>For Parallel Blade Damper, Add</i>	91.57	
23 33 13 13-0061	EA		28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	218.28	26.26
			<i>For Stainless Steel, Add</i>	181.14	
			<i>For Parallel Blade Damper, Add</i>	55.74	
23 33 13 13-0062	EA		28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	235.41	28.70
			<i>For Stainless Steel, Add</i>	194.09	
			<i>For Parallel Blade Damper, Add</i>	59.72	
23 33 13 13-0063	EA		28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	257.52	31.00
			<i>For Stainless Steel, Add</i>	213.51	
			<i>For Parallel Blade Damper, Add</i>	65.70	
23 33 13 13-0064	EA		28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	274.63	33.43
			<i>For Stainless Steel, Add</i>	226.42	
			<i>For Parallel Blade Damper, Add</i>	69.67	
23 33 13 13-0065	EA		28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	294.22	35.88
			<i>For Stainless Steel, Add</i>	242.57	
			<i>For Parallel Blade Damper, Add</i>	74.64	
23 33 13 13-0066	EA		28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	313.82	38.17
			<i>For Stainless Steel, Add</i>	258.71	
			<i>For Parallel Blade Damper, Add</i>	79.60	
23 33 13 13-0067	EA		28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	343.11	43.06
			<i>For Stainless Steel, Add</i>	278.14	
			<i>For Parallel Blade Damper, Add</i>	85.58	
23 33 13 13-0068	EA		28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	372.44	47.79
			<i>For Stainless Steel, Add</i>	297.61	
			<i>For Parallel Blade Damper, Add</i>	91.57	
23 33 13 13-0069	EA		28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	409.44	50.23
			<i>For Stainless Steel, Add</i>	336.38	
			<i>For Parallel Blade Damper, Add</i>	103.50	
23 33 13 13-0070	EA		28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	448.66	54.96
			<i>For Stainless Steel, Add</i>	368.71	
			<i>For Parallel Blade Damper, Add</i>	113.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0071 EA 32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	250.35	28.70
For Stainless Steel, Add	213.51	
For Parallel Blade Damper, Add	65.70	
23 33 13 13-0072 EA 32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	262.47	31.00
For Stainless Steel, Add	219.95	
For Parallel Blade Damper, Add	67.68	
23 33 13 13-0073 EA 32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	274.63	33.43
For Stainless Steel, Add	226.42	
For Parallel Blade Damper, Add	69.67	
23 33 13 13-0074 EA 32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	291.73	35.88
For Stainless Steel, Add	239.33	
For Parallel Blade Damper, Add	73.64	
23 33 13 13-0075 EA 32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	314.79	38.17
For Stainless Steel, Add	259.97	
For Parallel Blade Damper, Add	79.99	
23 33 13 13-0076 EA 32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	343.11	43.06
For Stainless Steel, Add	278.14	
For Parallel Blade Damper, Add	85.58	
23 33 13 13-0077 EA 32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	377.42	47.79
For Stainless Steel, Add	304.08	
For Parallel Blade Damper, Add	93.56	
23 33 13 13-0078 EA 32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	411.66	52.53
For Stainless Steel, Add	329.94	
For Parallel Blade Damper, Add	101.52	
23 33 13 13-0079 EA 32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	448.66	54.96
For Stainless Steel, Add	368.71	
For Parallel Blade Damper, Add	113.45	
23 33 13 13-0080 EA 32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	495.01	58.84
For Stainless Steel, Add	414.04	
For Parallel Blade Damper, Add	127.40	
23 33 13 13-0081 EA 32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	544.87	62.14
For Stainless Steel, Add	465.79	
For Parallel Blade Damper, Add	143.32	
23 33 13 13-0082 EA 36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	272.43	31.00
For Stainless Steel, Add	232.90	
For Parallel Blade Damper, Add	71.66	
23 33 13 13-0083 EA 36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	289.54	33.43
For Stainless Steel, Add	245.80	
For Parallel Blade Damper, Add	75.63	
23 33 13 13-0084 EA 36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	306.64	35.88
For Stainless Steel, Add	258.71	
For Parallel Blade Damper, Add	79.60	
23 33 13 13-0085 EA 36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	328.76	38.17
For Stainless Steel, Add	278.14	
For Parallel Blade Damper, Add	85.58	
23 33 13 13-0086 EA 36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	350.62	43.06
For Stainless Steel, Add	287.90	
For Parallel Blade Damper, Add	88.58	
23 33 13 13-0087 EA 36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	365.27	45.35
For Stainless Steel, Add	297.61	
For Parallel Blade Damper, Add	91.57	
23 33 13 13-0088 EA 36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	411.66	52.53
For Stainless Steel, Add	329.94	
For Parallel Blade Damper, Add	101.52	
23 33 13 13-0089 EA 36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	450.86	57.41
For Stainless Steel, Add	362.23	
For Parallel Blade Damper, Add	111.46	
23 33 13 13-0090 EA 36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	486.49	59.27
For Stainless Steel, Add	401.09	
For Parallel Blade Damper, Add	123.41	
23 33 13 13-0091 EA 36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	539.18	63.58
For Stainless Steel, Add	452.80	
For Parallel Blade Damper, Add	139.32	
23 33 13 13-0092 EA 36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	584.06	66.88
For Stainless Steel, Add	498.08	
For Parallel Blade Damper, Add	153.26	
23 33 13 13-0093 EA 36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	631.06	69.31
For Stainless Steel, Add	549.85	
For Parallel Blade Damper, Add	169.18	
23 33 13 13-0094 EA 40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	284.56	35.88
For Stainless Steel, Add	239.33	
For Parallel Blade Damper, Add	73.64	
23 33 13 13-0095 EA 40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	311.62	38.17
For Stainless Steel, Add	265.19	
For Parallel Blade Damper, Add	81.60	
23 33 13 13-0096 EA 40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	323.78	40.61
For Stainless Steel, Add	271.66	
For Parallel Blade Damper, Add	83.59	
23 33 13 13-0097 EA 40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	335.93	43.06
For Stainless Steel, Add	278.14	
For Parallel Blade Damper, Add	85.58	
23 33 13 13-0098 EA 40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	367.73	45.35
For Stainless Steel, Add	300.81	
For Parallel Blade Damper, Add	92.56	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0099 EA 40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	392.33	47.79
For Stainless Steel, Add	323.47	
For Parallel Blade Damper, Add	99.53	
23 33 13 13-0100 EA 40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	433.75	54.96
For Stainless Steel, Add	349.32	
For Parallel Blade Damper, Add	107.48	
23 33 13 13-0101 EA 40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	468.03	59.70
For Stainless Steel, Add	375.23	
For Parallel Blade Damper, Add	115.46	
23 33 13 13-0102 EA 40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	509.36	63.58
For Stainless Steel, Add	414.04	
For Parallel Blade Damper, Add	127.40	
23 33 13 13-0103 EA 40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	574.13	66.88
For Stainless Steel, Add	485.17	
For Parallel Blade Damper, Add	149.28	
23 33 13 13-0104 EA 40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	615.43	70.75
For Stainless Steel, Add	523.94	
For Parallel Blade Damper, Add	161.21	
23 33 13 13-0105 EA 40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	675.93	72.62
For Stainless Steel, Add	595.13	
For Parallel Blade Damper, Add	183.12	
23 33 13 13-0106 EA 40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	737.20	76.49
For Stainless Steel, Add	659.84	
For Parallel Blade Damper, Add	203.03	
23 33 13 13-0107 EA 44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	301.69	35.88
For Stainless Steel, Add	252.28	
For Parallel Blade Damper, Add	77.62	
23 33 13 13-0108 EA 44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	328.76	38.17
For Stainless Steel, Add	278.14	
For Parallel Blade Damper, Add	85.58	
23 33 13 13-0109 EA 44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	350.91	40.61
For Stainless Steel, Add	297.61	
For Parallel Blade Damper, Add	91.57	
23 33 13 13-0110 EA 44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	363.07	43.06
For Stainless Steel, Add	304.08	
For Parallel Blade Damper, Add	93.56	
23 33 13 13-0111 EA 44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	390.14	45.35
For Stainless Steel, Add	329.94	
For Parallel Blade Damper, Add	101.52	
23 33 13 13-0112 EA 44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	417.20	47.79
For Stainless Steel, Add	355.80	
For Parallel Blade Damper, Add	109.48	
23 33 13 13-0113 EA 44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	470.82	57.41
For Stainless Steel, Add	388.18	
For Parallel Blade Damper, Add	119.44	
23 33 13 13-0114 EA 44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	510.01	62.14
For Stainless Steel, Add	420.47	
For Parallel Blade Damper, Add	129.38	
23 33 13 13-0115 EA 44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	574.13	66.88
For Stainless Steel, Add	485.17	
For Parallel Blade Damper, Add	149.28	
23 33 13 13-0116 EA 44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	633.28	71.76
For Stainless Steel, Add	543.41	
For Parallel Blade Damper, Add	167.20	
23 33 13 13-0117 EA 44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	697.35	76.49
For Stainless Steel, Add	608.04	
For Parallel Blade Damper, Add	187.09	
23 33 13 13-0118 EA 44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	749.32	78.78
For Stainless Steel, Add	666.28	
For Parallel Blade Damper, Add	205.01	
23 33 13 13-0119 EA 44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	801.29	81.23
For Stainless Steel, Add	724.50	
For Parallel Blade Damper, Add	222.92	
23 33 13 13-0120 EA 44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	853.26	83.67
For Stainless Steel, Add	782.74	
For Parallel Blade Damper, Add	240.84	
23 33 13 13-0121 EA 48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	323.78	38.17
For Stainless Steel, Add	271.66	
For Parallel Blade Damper, Add	83.59	
23 33 13 13-0122 EA 48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	350.91	40.61
For Stainless Steel, Add	297.61	
For Parallel Blade Damper, Add	91.57	
23 33 13 13-0123 EA 48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	363.07	43.06
For Stainless Steel, Add	304.08	
For Parallel Blade Damper, Add	93.56	
23 33 13 13-0124 EA 48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	392.33	47.79
For Stainless Steel, Add	323.47	
For Parallel Blade Damper, Add	99.53	
23 33 13 13-0125 EA 48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	426.57	52.53
For Stainless Steel, Add	349.32	
For Parallel Blade Damper, Add	107.48	
23 33 13 13-0126 EA 48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	460.86	57.41
For Stainless Steel, Add	375.23	
For Parallel Blade Damper, Add	115.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0127 EA 48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	505.06	62.14
For Stainless Steel, Add	414.04	
For Parallel Blade Damper, Add	127.40	
23 33 13 13-0128 EA 48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	549.23	66.88
For Stainless Steel, Add	452.80	
For Parallel Blade Damper, Add	139.32	
23 33 13 13-0129 EA 48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	608.37	71.76
For Stainless Steel, Add	511.03	
For Parallel Blade Damper, Add	157.24	
23 33 13 13-0130 EA 48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	677.46	76.49
For Stainless Steel, Add	582.18	
For Parallel Blade Damper, Add	179.13	
23 33 13 13-0131 EA 48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	729.46	78.78
For Stainless Steel, Add	640.46	
For Parallel Blade Damper, Add	197.06	
23 33 13 13-0132 EA 48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	796.31	81.23
For Stainless Steel, Add	718.03	
For Parallel Blade Damper, Add	220.93	
23 33 13 13-0133 EA 48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	855.46	85.96
For Stainless Steel, Add	776.27	
For Parallel Blade Damper, Add	238.85	
23 33 13 13-0134 EA 48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	922.34	88.41
For Stainless Steel, Add	853.88	
For Parallel Blade Damper, Add	262.73	
23 33 13 13-0135 EA 48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	983.67	95.58
For Stainless Steel, Add	905.65	
For Parallel Blade Damper, Add	278.66	
23 33 13 13-0136 EA 52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	345.93	40.61
For Stainless Steel, Add	291.14	
For Parallel Blade Damper, Add	89.58	
23 33 13 13-0137 EA 52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	373.00	43.06
For Stainless Steel, Add	316.99	
For Parallel Blade Damper, Add	97.54	
23 33 13 13-0138 EA 52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	407.24	47.79
For Stainless Steel, Add	342.85	
For Parallel Blade Damper, Add	105.49	
23 33 13 13-0139 EA 52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	426.57	52.53
For Stainless Steel, Add	349.32	
For Parallel Blade Damper, Add	107.48	
23 33 13 13-0140 EA 52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	463.35	57.41
For Stainless Steel, Add	378.47	
For Parallel Blade Damper, Add	116.45	
23 33 13 13-0141 EA 52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	500.08	62.14
For Stainless Steel, Add	407.56	
For Parallel Blade Damper, Add	125.40	
23 33 13 13-0142 EA 52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	544.28	66.88
For Stainless Steel, Add	446.37	
For Parallel Blade Damper, Add	137.34	
23 33 13 13-0143 EA 52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	588.48	71.76
For Stainless Steel, Add	485.17	
For Parallel Blade Damper, Add	149.28	
23 33 13 13-0144 EA 52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	647.64	76.49
For Stainless Steel, Add	543.41	
For Parallel Blade Damper, Add	167.20	
23 33 13 13-0145 EA 52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	721.66	81.23
For Stainless Steel, Add	620.98	
For Parallel Blade Damper, Add	191.07	
23 33 13 13-0146 EA 52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	778.57	83.67
For Stainless Steel, Add	685.65	
For Parallel Blade Damper, Add	210.97	
23 33 13 13-0147 EA 52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	850.48	85.96
For Stainless Steel, Add	769.80	
For Parallel Blade Damper, Add	236.86	
23 33 13 13-0148 EA 52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	924.50	90.84
For Stainless Steel, Add	847.37	
For Parallel Blade Damper, Add	260.73	
23 33 13 13-0149 EA 52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	983.67	95.58
For Stainless Steel, Add	905.65	
For Parallel Blade Damper, Add	278.66	
23 33 13 13-0150 EA 52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,064.90	102.76
For Stainless Steel, Add	983.26	
For Parallel Blade Damper, Add	302.54	
23 33 13 13-0151 EA 52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,129.03	107.49
For Stainless Steel, Add	1,047.97	
For Parallel Blade Damper, Add	322.45	
23 33 13 13-0152 EA 56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	363.07	43.06
For Stainless Steel, Add	304.08	
For Parallel Blade Damper, Add	93.56	
23 33 13 13-0153 EA 56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	402.26	47.79
For Stainless Steel, Add	336.38	
For Parallel Blade Damper, Add	103.50	
23 33 13 13-0154 EA 56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	431.55	52.53
For Stainless Steel, Add	355.80	
For Parallel Blade Damper, Add	109.48	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0155	EA		56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	450.86	57.41
			<i>For Stainless Steel, Add</i> .....	362.23	
			<i>For Parallel Blade Damper, Add</i> .....	111.46	
23 33 13 13-0156	EA		56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	492.61	62.14
			<i>For Stainless Steel, Add</i> .....	397.85	
			<i>For Parallel Blade Damper, Add</i> .....	122.42	
23 33 13 13-0157	EA		56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	534.32	66.88
			<i>For Stainless Steel, Add</i> .....	433.42	
			<i>For Parallel Blade Damper, Add</i> .....	133.36	
23 33 13 13-0158	EA		56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	576.03	71.76
			<i>For Stainless Steel, Add</i> .....	468.99	
			<i>For Parallel Blade Damper, Add</i> .....	144.30	
23 33 13 13-0159	EA		56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	617.75	76.49
			<i>For Stainless Steel, Add</i> .....	504.56	
			<i>For Parallel Blade Damper, Add</i> .....	155.25	
23 33 13 13-0160	EA		56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	691.81	81.23
			<i>For Stainless Steel, Add</i> .....	582.18	
			<i>For Parallel Blade Damper, Add</i> .....	179.13	
23 33 13 13-0161	EA		56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	758.72	83.67
			<i>For Stainless Steel, Add</i> .....	659.84	
			<i>For Parallel Blade Damper, Add</i> .....	203.03	
23 33 13 13-0162	EA		56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	820.62	85.96
			<i>For Stainless Steel, Add</i> .....	730.98	
			<i>For Parallel Blade Damper, Add</i> .....	224.92	
23 33 13 13-0163	EA		56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	904.64	90.84
			<i>For Stainless Steel, Add</i> .....	821.55	
			<i>For Parallel Blade Damper, Add</i> .....	252.78	
23 33 13 13-0164	EA		56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	978.69	95.58
			<i>For Stainless Steel, Add</i> .....	899.17	
			<i>For Parallel Blade Damper, Add</i> .....	276.67	
23 33 13 13-0165	EA		56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,057.73	100.31
			<i>For Stainless Steel, Add</i> .....	983.26	
			<i>For Parallel Blade Damper, Add</i> .....	302.54	
23 33 13 13-0166	EA		56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,121.86	105.20
			<i>For Stainless Steel, Add</i> .....	1,047.97	
			<i>For Parallel Blade Damper, Add</i> .....	322.45	
23 33 13 13-0167	EA		56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,200.90	109.94
			<i>For Stainless Steel, Add</i> .....	1,132.07	
			<i>For Parallel Blade Damper, Add</i> .....	348.33	
23 33 13 13-0168	EA		56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,279.94	114.66
			<i>For Stainless Steel, Add</i> .....	1,216.16	
			<i>For Parallel Blade Damper, Add</i> .....	374.20	
23 33 13 13-0169	EA		60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	392.33	47.79
			<i>For Stainless Steel, Add</i> .....	323.47	
			<i>For Parallel Blade Damper, Add</i> .....	99.53	
23 33 13 13-0170	EA		60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	431.55	52.53
			<i>For Stainless Steel, Add</i> .....	355.80	
			<i>For Parallel Blade Damper, Add</i> .....	109.48	
23 33 13 13-0171	EA		60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	455.84	57.41
			<i>For Stainless Steel, Add</i> .....	368.71	
			<i>For Parallel Blade Damper, Add</i> .....	113.45	
23 33 13 13-0172	EA		60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	475.21	62.14
			<i>For Stainless Steel, Add</i> .....	375.23	
			<i>For Parallel Blade Damper, Add</i> .....	115.46	
23 33 13 13-0173	EA		60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	519.41	66.88
			<i>For Stainless Steel, Add</i> .....	414.04	
			<i>For Parallel Blade Damper, Add</i> .....	127.40	
23 33 13 13-0174	EA		60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	563.58	71.76
			<i>For Stainless Steel, Add</i> .....	452.80	
			<i>For Parallel Blade Damper, Add</i> .....	139.32	
23 33 13 13-0175	EA		60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	610.28	76.49
			<i>For Stainless Steel, Add</i> .....	494.85	
			<i>For Parallel Blade Damper, Add</i> .....	152.26	
23 33 13 13-0176	EA		60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	656.97	81.23
			<i>For Stainless Steel, Add</i> .....	536.89	
			<i>For Parallel Blade Damper, Add</i> .....	165.20	
23 33 13 13-0177	EA		60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	728.83	83.67
			<i>For Stainless Steel, Add</i> .....	620.98	
			<i>For Parallel Blade Damper, Add</i> .....	191.07	
23 33 13 13-0178	EA		60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	795.72	85.96
			<i>For Stainless Steel, Add</i> .....	698.61	
			<i>For Parallel Blade Damper, Add</i> .....	214.96	
23 33 13 13-0179	EA		60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	874.79	90.84
			<i>For Stainless Steel, Add</i> .....	782.74	
			<i>For Parallel Blade Damper, Add</i> .....	240.84	
23 33 13 13-0180	EA		60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	953.82	95.58
			<i>For Stainless Steel, Add</i> .....	866.84	
			<i>For Parallel Blade Damper, Add</i> .....	266.72	
23 33 13 13-0181	EA		60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,017.92	100.31
			<i>For Stainless Steel, Add</i> .....	931.50	
			<i>For Parallel Blade Damper, Add</i> .....	286.62	
23 33 13 13-0182	EA		60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,111.86	105.20
			<i>For Stainless Steel, Add</i> .....	1,034.97	
			<i>For Parallel Blade Damper, Add</i> .....	318.45	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0183 EA 60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,195.88	109.94
<i>For Stainless Steel, Add</i>	1,125.54	
<i>For Parallel Blade Damper, Add</i>	346.32	
23 33 13 13-0184 EA 60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,279.94	114.66
<i>For Stainless Steel, Add</i>	1,216.16	
<i>For Parallel Blade Damper, Add</i>	374.20	
23 33 13 13-0185 EA 60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,353.92	119.55
<i>For Stainless Steel, Add</i>	1,293.68	
<i>For Parallel Blade Damper, Add</i>	398.06	
23 33 13 13-0186 EA 60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,428.06	124.29
<i>For Stainless Steel, Add</i>	1,371.40	
<i>For Parallel Blade Damper, Add</i>	421.97	
 <b>23 33 13 16 Fire Dampers (23 33 13)</b>		
<b>23 33 13 16-0001 Fire Dampers (23 33 13 16)</b>		
23 33 13 16-0002 SF Curtain Type, Vertical, Fire Damper .....	132.54	15.50
<i>For Spring Activated Horizontal Mount Operation, Add</i>	19.33	
<i>For 3 Hour Rated, Add</i>	25.77	
<i>For Dynamic Damper, Add</i>	46.39	
<i>For Smoke Damper, Add</i>	73.02	
23 33 13 16-0003 SF Louver Type, Vertical, Fire Damper .....	179.40	15.50
<i>For Spring Activated Horizontal Mount Operation, Add</i>	29.87	
<i>For 3 Hour Rated, Add</i>	39.83	
<i>For Dynamic Damper, Add</i>	71.69	
<i>For Smoke Damper, Add</i>	112.85	
 <b>23 33 13 16-0004 Folding Curtain Fire Dampers (23 33 13 16)</b>		
Note: UL Listed. Air stream 22 gauge galvanized steel construction with fusible link 160 F, gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.		
23 33 13 16-0005 EA 6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	72.39	15.93
<i>For Spring Activated Horizontal Mount Operation, Add</i>	5.54	
<i>For 3 Hour Rated, Add</i>	7.38	
<i>For Dynamic Damper, Add</i>	13.28	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	6.15	
23 33 13 16-0006 EA 8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	76.29	16.65
<i>For Spring Activated Horizontal Mount Operation, Add</i>	5.93	
<i>For 3 Hour Rated, Add</i>	7.90	
<i>For Dynamic Damper, Add</i>	14.22	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	6.59	
23 33 13 16-0007 EA 8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	78.33	16.79
<i>For Spring Activated Horizontal Mount Operation, Add</i>	6.32	
<i>For 3 Hour Rated, Add</i>	8.43	
<i>For Dynamic Damper, Add</i>	15.17	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0008 EA 10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	78.33	16.79
<i>For Spring Activated Horizontal Mount Operation, Add</i>	6.32	
<i>For 3 Hour Rated, Add</i>	8.43	
<i>For Dynamic Damper, Add</i>	15.17	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0009 EA 10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	81.53	17.23
<i>For Spring Activated Horizontal Mount Operation, Add</i>	6.72	
<i>For 3 Hour Rated, Add</i>	8.96	
<i>For Dynamic Damper, Add</i>	16.12	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	7.47	
23 33 13 16-0010 EA 10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	90.78	19.09
<i>For Spring Activated Horizontal Mount Operation, Add</i>	7.51	
<i>For 3 Hour Rated, Add</i>	10.01	
<i>For Dynamic Damper, Add</i>	18.02	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	8.34	
23 33 13 16-0011 EA 12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	81.53	17.23
<i>For Spring Activated Horizontal Mount Operation, Add</i>	6.72	
<i>For 3 Hour Rated, Add</i>	8.96	
<i>For Dynamic Damper, Add</i>	16.12	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	7.47	
23 33 13 16-0012 EA 12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.90	18.23
<i>For Spring Activated Horizontal Mount Operation, Add</i>	7.51	
<i>For 3 Hour Rated, Add</i>	10.01	
<i>For Dynamic Damper, Add</i>	18.02	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	8.34	
23 33 13 16-0013 EA 12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	92.54	19.09
<i>For Spring Activated Horizontal Mount Operation, Add</i>	7.90	
<i>For 3 Hour Rated, Add</i>	10.54	
<i>For Dynamic Damper, Add</i>	18.97	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	8.78	
23 33 13 16-0014 EA 12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.47	21.53
<i>For Spring Activated Horizontal Mount Operation, Add</i>	8.30	
<i>For 3 Hour Rated, Add</i>	11.07	
<i>For Dynamic Damper, Add</i>	19.92	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	9.22	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0015 EA 14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.02	18.23
For Spring Activated Horizontal Mount Operation, Add	7.31	
For 3 Hour Rated, Add	9.75	
For Dynamic Damper, Add	17.54	
For Cap Of Damper Blades Outside Air Stream, Add	8.12	
23 33 13 16-0016 EA 14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	92.54	19.09
For Spring Activated Horizontal Mount Operation, Add	7.90	
For 3 Hour Rated, Add	10.54	
For Dynamic Damper, Add	18.97	
For Cap Of Damper Blades Outside Air Stream, Add	8.78	
23 33 13 16-0017 EA 14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.16	20.09
For Spring Activated Horizontal Mount Operation, Add	8.30	
For 3 Hour Rated, Add	11.07	
For Dynamic Damper, Add	19.92	
For Cap Of Damper Blades Outside Air Stream, Add	9.22	
23 33 13 16-0018 EA 14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	103.23	21.53
For Spring Activated Horizontal Mount Operation, Add	8.70	
For 3 Hour Rated, Add	11.60	
For Dynamic Damper, Add	20.87	
For Cap Of Damper Blades Outside Air Stream, Add	9.66	
23 33 13 16-0019 EA 14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	114.80	23.96
For Spring Activated Horizontal Mount Operation, Add	9.68	
For 3 Hour Rated, Add	12.91	
For Dynamic Damper, Add	23.24	
For Cap Of Damper Blades Outside Air Stream, Add	10.76	
23 33 13 16-0020 EA 16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	92.54	19.09
For Spring Activated Horizontal Mount Operation, Add	7.90	
For 3 Hour Rated, Add	10.54	
For Dynamic Damper, Add	18.97	
For Cap Of Damper Blades Outside Air Stream, Add	8.78	
23 33 13 16-0021 EA 16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	98.60	20.52
For Spring Activated Horizontal Mount Operation, Add	8.30	
For 3 Hour Rated, Add	11.07	
For Dynamic Damper, Add	19.92	
For Cap Of Damper Blades Outside Air Stream, Add	9.22	
23 33 13 16-0022 EA 16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	106.10	22.53
For Spring Activated Horizontal Mount Operation, Add	8.70	
For 3 Hour Rated, Add	11.60	
For Dynamic Damper, Add	20.87	
For Cap Of Damper Blades Outside Air Stream, Add	9.66	
23 33 13 16-0023 EA 16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	112.15	23.96
For Spring Activated Horizontal Mount Operation, Add	9.09	
For 3 Hour Rated, Add	12.12	
For Dynamic Damper, Add	21.81	
For Cap Of Damper Blades Outside Air Stream, Add	10.10	
23 33 13 16-0024 EA 16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	123.74	26.26
For Spring Activated Horizontal Mount Operation, Add	10.08	
For 3 Hour Rated, Add	13.44	
For Dynamic Damper, Add	24.19	
For Cap Of Damper Blades Outside Air Stream, Add	11.20	
23 33 13 16-0025 EA 16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	135.30	28.70
For Spring Activated Horizontal Mount Operation, Add	11.07	
For 3 Hour Rated, Add	14.76	
For Dynamic Damper, Add	26.56	
For Cap Of Damper Blades Outside Air Stream, Add	12.30	
23 33 13 16-0026 EA 18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.16	20.09
For Spring Activated Horizontal Mount Operation, Add	8.30	
For 3 Hour Rated, Add	11.07	
For Dynamic Damper, Add	19.92	
For Cap Of Damper Blades Outside Air Stream, Add	9.22	
23 33 13 16-0027 EA 18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	104.10	21.53
For Spring Activated Horizontal Mount Operation, Add	8.89	
For 3 Hour Rated, Add	11.86	
For Dynamic Damper, Add	21.34	
For Cap Of Damper Blades Outside Air Stream, Add	9.88	
23 33 13 16-0028 EA 18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.93	23.96
For Spring Activated Horizontal Mount Operation, Add	9.49	
For 3 Hour Rated, Add	12.65	
For Dynamic Damper, Add	22.77	
For Cap Of Damper Blades Outside Air Stream, Add	10.54	
23 33 13 16-0029 EA 18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	125.50	26.26
For Spring Activated Horizontal Mount Operation, Add	10.48	
For 3 Hour Rated, Add	13.97	
For Dynamic Damper, Add	25.14	
For Cap Of Damper Blades Outside Air Stream, Add	11.64	
23 33 13 16-0030 EA 18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	136.17	28.70
For Spring Activated Horizontal Mount Operation, Add	11.26	
For 3 Hour Rated, Add	15.02	
For Dynamic Damper, Add	27.03	
For Cap Of Damper Blades Outside Air Stream, Add	12.52	
23 33 13 16-0031 EA 18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	147.74	31.00
For Spring Activated Horizontal Mount Operation, Add	12.25	
For 3 Hour Rated, Add	16.34	
For Dynamic Damper, Add	29.41	
For Cap Of Damper Blades Outside Air Stream, Add	13.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0032 EA 18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	157.55	33.43
For Spring Activated Horizontal Mount Operation, Add	12.85	
For 3 Hour Rated, Add	17.13	
For Dynamic Damper, Add	30.83	
For Cap Of Damper Blades Outside Air Stream, Add	14.27	
23 33 13 16-0033 EA 20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	103.23	21.53
For Spring Activated Horizontal Mount Operation, Add	8.70	
For 3 Hour Rated, Add	11.60	
For Dynamic Damper, Add	20.87	
For Cap Of Damper Blades Outside Air Stream, Add	9.66	
23 33 13 16-0034 EA 20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.91	23.96
For Spring Activated Horizontal Mount Operation, Add	9.48	
For 3 Hour Rated, Add	12.65	
For Dynamic Damper, Add	22.76	
For Cap Of Damper Blades Outside Air Stream, Add	10.54	
23 33 13 16-0035 EA 20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	124.61	26.26
For Spring Activated Horizontal Mount Operation, Add	10.28	
For 3 Hour Rated, Add	13.70	
For Dynamic Damper, Add	24.66	
For Cap Of Damper Blades Outside Air Stream, Add	11.42	
23 33 13 16-0036 EA 20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	138.82	28.70
For Spring Activated Horizontal Mount Operation, Add	11.86	
For 3 Hour Rated, Add	15.81	
For Dynamic Damper, Add	28.46	
For Cap Of Damper Blades Outside Air Stream, Add	13.18	
23 33 13 16-0037 EA 20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	148.62	31.00
For Spring Activated Horizontal Mount Operation, Add	12.45	
For 3 Hour Rated, Add	16.60	
For Dynamic Damper, Add	29.88	
For Cap Of Damper Blades Outside Air Stream, Add	13.84	
23 33 13 16-0038 EA 20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	158.44	33.43
For Spring Activated Horizontal Mount Operation, Add	13.05	
For 3 Hour Rated, Add	17.39	
For Dynamic Damper, Add	31.31	
For Cap Of Damper Blades Outside Air Stream, Add	14.50	
23 33 13 16-0039 EA 20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.11	35.88
For Spring Activated Horizontal Mount Operation, Add	13.83	
For 3 Hour Rated, Add	18.44	
For Dynamic Damper, Add	33.20	
For Cap Of Damper Blades Outside Air Stream, Add	15.37	
23 33 13 16-0040 EA 20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	179.80	38.17
For Spring Activated Horizontal Mount Operation, Add	14.62	
For 3 Hour Rated, Add	19.50	
For Dynamic Damper, Add	35.09	
For Cap Of Damper Blades Outside Air Stream, Add	16.25	
23 33 13 16-0041 EA 24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	115.67	23.96
For Spring Activated Horizontal Mount Operation, Add	9.88	
For 3 Hour Rated, Add	13.17	
For Dynamic Damper, Add	23.71	
For Cap Of Damper Blades Outside Air Stream, Add	10.98	
23 33 13 16-0042 EA 24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.13	26.26
For Spring Activated Horizontal Mount Operation, Add	11.07	
For 3 Hour Rated, Add	14.76	
For Dynamic Damper, Add	26.56	
For Cap Of Damper Blades Outside Air Stream, Add	12.30	
23 33 13 16-0043 EA 24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	138.82	28.70
For Spring Activated Horizontal Mount Operation, Add	11.86	
For 3 Hour Rated, Add	15.81	
For Dynamic Damper, Add	28.46	
For Cap Of Damper Blades Outside Air Stream, Add	13.18	
23 33 13 16-0044 EA 24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	151.26	31.00
For Spring Activated Horizontal Mount Operation, Add	13.05	
For 3 Hour Rated, Add	17.39	
For Dynamic Damper, Add	31.31	
For Cap Of Damper Blades Outside Air Stream, Add	14.50	
23 33 13 16-0045 EA 24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.07	33.43
For Spring Activated Horizontal Mount Operation, Add	13.64	
For 3 Hour Rated, Add	18.18	
For Dynamic Damper, Add	32.73	
For Cap Of Damper Blades Outside Air Stream, Add	15.15	
23 33 13 16-0046 EA 24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	170.87	35.88
For Spring Activated Horizontal Mount Operation, Add	14.23	
For 3 Hour Rated, Add	18.97	
For Dynamic Damper, Add	34.15	
For Cap Of Damper Blades Outside Air Stream, Add	15.81	
23 33 13 16-0047 EA 24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	183.32	38.17
For Spring Activated Horizontal Mount Operation, Add	15.41	
For 3 Hour Rated, Add	20.55	
For Dynamic Damper, Add	37.00	
For Cap Of Damper Blades Outside Air Stream, Add	17.13	
23 33 13 16-0048 EA 24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	202.93	43.06
For Spring Activated Horizontal Mount Operation, Add	16.60	
For 3 Hour Rated, Add	22.13	
For Dynamic Damper, Add	39.84	
For Cap Of Damper Blades Outside Air Stream, Add	18.44	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0049 EA 24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	224.32	47.79
For Spring Activated Horizontal Mount Operation, Add	18.18	
For 3 Hour Rated, Add	24.24	
For Dynamic Damper, Add	43.64	
For Cap Of Damper Blades Outside Air Stream, Add	20.20	
23 33 13 16-0050 EA 28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.13	26.26
For Spring Activated Horizontal Mount Operation, Add	11.07	
For 3 Hour Rated, Add	14.76	
For Dynamic Damper, Add	26.56	
For Cap Of Damper Blades Outside Air Stream, Add	12.30	
23 33 13 16-0051 EA 28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	138.82	28.70
For Spring Activated Horizontal Mount Operation, Add	11.86	
For 3 Hour Rated, Add	15.81	
For Dynamic Damper, Add	28.46	
For Cap Of Damper Blades Outside Air Stream, Add	13.18	
23 33 13 16-0052 EA 28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	151.26	31.00
For Spring Activated Horizontal Mount Operation, Add	13.05	
For 3 Hour Rated, Add	17.39	
For Dynamic Damper, Add	31.31	
For Cap Of Damper Blades Outside Air Stream, Add	14.50	
23 33 13 16-0053 EA 28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.94	33.43
For Spring Activated Horizontal Mount Operation, Add	13.83	
For 3 Hour Rated, Add	18.44	
For Dynamic Damper, Add	33.20	
For Cap Of Damper Blades Outside Air Stream, Add	15.37	
23 33 13 16-0054 EA 28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	173.51	35.88
For Spring Activated Horizontal Mount Operation, Add	14.82	
For 3 Hour Rated, Add	19.76	
For Dynamic Damper, Add	35.58	
For Cap Of Damper Blades Outside Air Stream, Add	16.47	
23 33 13 16-0055 EA 28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	185.06	38.17
For Spring Activated Horizontal Mount Operation, Add	15.81	
For 3 Hour Rated, Add	21.08	
For Dynamic Damper, Add	37.94	
For Cap Of Damper Blades Outside Air Stream, Add	17.56	
23 33 13 16-0056 EA 28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	204.69	43.06
For Spring Activated Horizontal Mount Operation, Add	16.99	
For 3 Hour Rated, Add	22.66	
For Dynamic Damper, Add	40.79	
For Cap Of Damper Blades Outside Air Stream, Add	18.88	
23 33 13 16-0057 EA 28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	224.32	47.79
For Spring Activated Horizontal Mount Operation, Add	18.18	
For 3 Hour Rated, Add	24.24	
For Dynamic Damper, Add	43.64	
For Cap Of Damper Blades Outside Air Stream, Add	20.20	
23 33 13 16-0058 EA 28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	242.03	50.23
For Spring Activated Horizontal Mount Operation, Add	20.55	
For 3 Hour Rated, Add	27.40	
For Dynamic Damper, Add	49.32	
For Cap Of Damper Blades Outside Air Stream, Add	22.84	
23 33 13 16-0059 EA 28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	265.17	54.96
For Spring Activated Horizontal Mount Operation, Add	22.53	
For 3 Hour Rated, Add	30.04	
For Dynamic Damper, Add	54.07	
For Cap Of Damper Blades Outside Air Stream, Add	25.03	
23 33 13 16-0060 EA 32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	144.09	28.70
For Spring Activated Horizontal Mount Operation, Add	13.05	
For 3 Hour Rated, Add	17.39	
For Dynamic Damper, Add	31.31	
For Cap Of Damper Blades Outside Air Stream, Add	14.50	
23 33 13 16-0061 EA 32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	153.00	31.00
For Spring Activated Horizontal Mount Operation, Add	13.44	
For 3 Hour Rated, Add	17.92	
For Dynamic Damper, Add	32.25	
For Cap Of Damper Blades Outside Air Stream, Add	14.93	
23 33 13 16-0062 EA 32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.94	33.43
For Spring Activated Horizontal Mount Operation, Add	13.83	
For 3 Hour Rated, Add	18.44	
For Dynamic Damper, Add	33.20	
For Cap Of Damper Blades Outside Air Stream, Add	15.37	
23 33 13 16-0063 EA 32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	172.62	35.88
For Spring Activated Horizontal Mount Operation, Add	14.62	
For 3 Hour Rated, Add	19.50	
For Dynamic Damper, Add	35.09	
For Cap Of Damper Blades Outside Air Stream, Add	16.25	
23 33 13 16-0064 EA 32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	185.40	38.17
For Spring Activated Horizontal Mount Operation, Add	15.88	
For 3 Hour Rated, Add	21.18	
For Dynamic Damper, Add	38.12	
For Cap Of Damper Blades Outside Air Stream, Add	17.65	
23 33 13 16-0065 EA 32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	204.69	43.06
For Spring Activated Horizontal Mount Operation, Add	16.99	
For 3 Hour Rated, Add	22.66	
For Dynamic Damper, Add	40.79	
For Cap Of Damper Blades Outside Air Stream, Add	18.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0066 EA 32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	226.08	47.79
For Spring Activated Horizontal Mount Operation, Add	18.58	
For 3 Hour Rated, Add	24.77	
For Dynamic Damper, Add	44.59	
For Cap Of Damper Blades Outside Air Stream, Add	20.64	
23 33 13 16-0067 EA 32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	247.46	52.53
For Spring Activated Horizontal Mount Operation, Add	20.16	
For 3 Hour Rated, Add	26.88	
For Dynamic Damper, Add	48.38	
For Cap Of Damper Blades Outside Air Stream, Add	22.40	
23 33 13 16-0068 EA 32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	265.17	54.96
For Spring Activated Horizontal Mount Operation, Add	22.53	
For 3 Hour Rated, Add	30.04	
For Dynamic Damper, Add	54.07	
For Cap Of Damper Blades Outside Air Stream, Add	25.03	
23 33 13 16-0069 EA 32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	288.95	58.84
For Spring Activated Horizontal Mount Operation, Add	25.30	
For 3 Hour Rated, Add	33.73	
For Dynamic Damper, Add	60.71	
For Cap Of Damper Blades Outside Air Stream, Add	28.11	
23 33 13 16-0070 EA 32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	313.06	62.14
For Spring Activated Horizontal Mount Operation, Add	28.46	
For 3 Hour Rated, Add	37.95	
For Dynamic Damper, Add	68.30	
For Cap Of Damper Blades Outside Air Stream, Add	31.62	
23 33 13 16-0071 EA 36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	156.52	31.00
For Spring Activated Horizontal Mount Operation, Add	14.23	
For 3 Hour Rated, Add	18.97	
For Dynamic Damper, Add	34.15	
For Cap Of Damper Blades Outside Air Stream, Add	15.81	
23 33 13 16-0072 EA 36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	167.21	33.43
For Spring Activated Horizontal Mount Operation, Add	15.02	
For 3 Hour Rated, Add	20.03	
For Dynamic Damper, Add	36.05	
For Cap Of Damper Blades Outside Air Stream, Add	16.69	
23 33 13 16-0073 EA 36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	177.88	35.88
For Spring Activated Horizontal Mount Operation, Add	15.81	
For 3 Hour Rated, Add	21.08	
For Dynamic Damper, Add	37.94	
For Cap Of Damper Blades Outside Air Stream, Add	17.56	
23 33 13 16-0074 EA 36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	190.34	38.17
For Spring Activated Horizontal Mount Operation, Add	16.99	
For 3 Hour Rated, Add	22.66	
For Dynamic Damper, Add	40.79	
For Cap Of Damper Blades Outside Air Stream, Add	18.88	
23 33 13 16-0075 EA 36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	207.34	43.06
For Spring Activated Horizontal Mount Operation, Add	17.59	
For 3 Hour Rated, Add	23.45	
For Dynamic Damper, Add	42.22	
For Cap Of Damper Blades Outside Air Stream, Add	19.55	
23 33 13 16-0076 EA 36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	217.15	45.35
For Spring Activated Horizontal Mount Operation, Add	18.18	
For 3 Hour Rated, Add	24.24	
For Dynamic Damper, Add	43.64	
For Cap Of Damper Blades Outside Air Stream, Add	20.20	
23 33 13 16-0077 EA 36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	247.46	52.53
For Spring Activated Horizontal Mount Operation, Add	20.16	
For 3 Hour Rated, Add	26.88	
For Dynamic Damper, Add	48.38	
For Cap Of Damper Blades Outside Air Stream, Add	22.40	
23 33 13 16-0078 EA 36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	270.59	57.41
For Spring Activated Horizontal Mount Operation, Add	22.13	
For 3 Hour Rated, Add	29.51	
For Dynamic Damper, Add	53.12	
For Cap Of Damper Blades Outside Air Stream, Add	24.59	
23 33 13 16-0079 EA 36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	240.20	59.27
For Spring Activated Horizontal Mount Operation, Add	14.00	
For 3 Hour Rated, Add	18.67	
For Dynamic Damper, Add	33.61	
For Cap Of Damper Blades Outside Air Stream, Add	15.56	
23 33 13 16-0080 EA 36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	313.84	63.58
For Spring Activated Horizontal Mount Operation, Add	27.67	
For 3 Hour Rated, Add	36.89	
For Dynamic Damper, Add	66.40	
For Cap Of Damper Blades Outside Air Stream, Add	30.74	
23 33 13 16-0081 EA 36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	336.18	66.88
For Spring Activated Horizontal Mount Operation, Add	30.43	
For 3 Hour Rated, Add	40.58	
For Dynamic Damper, Add	73.04	
For Cap Of Damper Blades Outside Air Stream, Add	33.82	
23 33 13 16-0082 EA 36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	357.41	69.31
For Spring Activated Horizontal Mount Operation, Add	33.59	
For 3 Hour Rated, Add	44.79	
For Dynamic Damper, Add	80.63	
For Cap Of Damper Blades Outside Air Stream, Add	37.33	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0083 EA 40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	165.45	35.88
For Spring Activated Horizontal Mount Operation, Add	14.62	
For 3 Hour Rated, Add	19.50	
For Dynamic Damper, Add	35.09	
For Cap Of Damper Blades Outside Air Stream, Add	16.25	
23 33 13 16-0084 EA 40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	179.64	38.17
For Spring Activated Horizontal Mount Operation, Add	16.20	
For 3 Hour Rated, Add	21.60	
For Dynamic Damper, Add	38.89	
For Cap Of Damper Blades Outside Air Stream, Add	18.00	
23 33 13 16-0085 EA 40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	188.58	40.61
For Spring Activated Horizontal Mount Operation, Add	16.60	
For 3 Hour Rated, Add	22.13	
For Dynamic Damper, Add	39.84	
For Cap Of Damper Blades Outside Air Stream, Add	18.44	
23 33 13 16-0086 EA 40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	197.51	43.06
For Spring Activated Horizontal Mount Operation, Add	16.99	
For 3 Hour Rated, Add	22.66	
For Dynamic Damper, Add	40.79	
For Cap Of Damper Blades Outside Air Stream, Add	18.88	
23 33 13 16-0087 EA 40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	218.03	45.35
For Spring Activated Horizontal Mount Operation, Add	18.38	
For 3 Hour Rated, Add	24.51	
For Dynamic Damper, Add	44.11	
For Cap Of Damper Blades Outside Air Stream, Add	20.42	
23 33 13 16-0088 EA 40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	231.35	47.79
For Spring Activated Horizontal Mount Operation, Add	19.76	
For 3 Hour Rated, Add	26.35	
For Dynamic Damper, Add	47.43	
For Cap Of Damper Blades Outside Air Stream, Add	21.96	
23 33 13 16-0089 EA 40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	259.90	54.96
For Spring Activated Horizontal Mount Operation, Add	21.34	
For 3 Hour Rated, Add	28.46	
For Dynamic Damper, Add	51.22	
For Cap Of Damper Blades Outside Air Stream, Add	23.72	
23 33 13 16-0090 EA 40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	281.28	59.70
For Spring Activated Horizontal Mount Operation, Add	22.93	
For 3 Hour Rated, Add	30.57	
For Dynamic Damper, Add	55.02	
For Cap Of Damper Blades Outside Air Stream, Add	25.47	
23 33 13 16-0091 EA 40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	303.30	63.58
For Spring Activated Horizontal Mount Operation, Add	25.30	
For 3 Hour Rated, Add	33.73	
For Dynamic Damper, Add	60.71	
For Cap Of Damper Blades Outside Air Stream, Add	28.11	
23 33 13 16-0092 EA 40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	332.67	66.88
For Spring Activated Horizontal Mount Operation, Add	29.64	
For 3 Hour Rated, Add	39.53	
For Dynamic Damper, Add	71.15	
For Cap Of Damper Blades Outside Air Stream, Add	32.94	
23 33 13 16-0093 EA 40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	354.68	70.75
For Spring Activated Horizontal Mount Operation, Add	32.01	
For 3 Hour Rated, Add	42.68	
For Dynamic Damper, Add	76.83	
For Cap Of Damper Blades Outside Air Stream, Add	35.57	
23 33 13 16-0094 EA 40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	379.75	72.62
For Spring Activated Horizontal Mount Operation, Add	36.36	
For 3 Hour Rated, Add	48.48	
For Dynamic Damper, Add	87.27	
For Cap Of Damper Blades Outside Air Stream, Add	40.40	
23 33 13 16-0095 EA 40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	408.81	76.49
For Spring Activated Horizontal Mount Operation, Add	40.32	
For 3 Hour Rated, Add	53.75	
For Dynamic Damper, Add	96.76	
For Cap Of Damper Blades Outside Air Stream, Add	44.80	
23 33 13 16-0096 EA 44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	176.14	35.88
For Spring Activated Horizontal Mount Operation, Add	15.41	
For 3 Hour Rated, Add	20.55	
For Dynamic Damper, Add	37.00	
For Cap Of Damper Blades Outside Air Stream, Add	17.13	
23 33 13 16-0097 EA 44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	190.34	38.17
For Spring Activated Horizontal Mount Operation, Add	16.99	
For 3 Hour Rated, Add	22.66	
For Dynamic Damper, Add	40.79	
For Cap Of Damper Blades Outside Air Stream, Add	18.88	
23 33 13 16-0098 EA 44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	202.79	40.61
For Spring Activated Horizontal Mount Operation, Add	18.18	
For 3 Hour Rated, Add	24.24	
For Dynamic Damper, Add	43.64	
For Cap Of Damper Blades Outside Air Stream, Add	20.20	
23 33 13 16-0099 EA 44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	211.73	43.06
For Spring Activated Horizontal Mount Operation, Add	18.58	
For 3 Hour Rated, Add	24.77	
For Dynamic Damper, Add	44.59	
For Cap Of Damper Blades Outside Air Stream, Add	20.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0100 EA 44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	225.94	45.35
For Spring Activated Horizontal Mount Operation, Add	20.16	
For 3 Hour Rated, Add	26.88	
For Dynamic Damper, Add	48.38	
For Cap Of Damper Blades Outside Air Stream, Add	22.40	
23 33 13 16-0101 EA 44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	240.13	47.79
For Spring Activated Horizontal Mount Operation, Add	21.74	
For 3 Hour Rated, Add	28.99	
For Dynamic Damper, Add	52.17	
For Cap Of Damper Blades Outside Air Stream, Add	24.16	
23 33 13 16-0102 EA 44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	277.63	57.41
For Spring Activated Horizontal Mount Operation, Add	23.72	
For 3 Hour Rated, Add	31.62	
For Dynamic Damper, Add	56.92	
For Cap Of Damper Blades Outside Air Stream, Add	26.35	
23 33 13 16-0103 EA 44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	300.75	62.14
For Spring Activated Horizontal Mount Operation, Add	25.69	
For 3 Hour Rated, Add	34.25	
For Dynamic Damper, Add	61.66	
For Cap Of Damper Blades Outside Air Stream, Add	28.55	
23 33 13 16-0104 EA 44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	332.67	66.88
For Spring Activated Horizontal Mount Operation, Add	29.64	
For 3 Hour Rated, Add	39.53	
For Dynamic Damper, Add	71.15	
For Cap Of Damper Blades Outside Air Stream, Add	32.94	
23 33 13 16-0105 EA 44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	362.83	71.76
For Spring Activated Horizontal Mount Operation, Add	33.20	
For 3 Hour Rated, Add	44.27	
For Dynamic Damper, Add	79.68	
For Cap Of Damper Blades Outside Air Stream, Add	36.89	
23 33 13 16-0106 EA 44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	394.75	76.49
For Spring Activated Horizontal Mount Operation, Add	37.15	
For 3 Hour Rated, Add	49.54	
For Dynamic Damper, Add	89.16	
For Cap Of Damper Blades Outside Air Stream, Add	41.28	
23 33 13 16-0107 EA 44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	417.73	78.78
For Spring Activated Horizontal Mount Operation, Add	40.71	
For 3 Hour Rated, Add	54.28	
For Dynamic Damper, Add	97.70	
For Cap Of Damper Blades Outside Air Stream, Add	45.23	
23 33 13 16-0108 EA 44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	440.72	81.23
For Spring Activated Horizontal Mount Operation, Add	44.27	
For 3 Hour Rated, Add	59.02	
For Dynamic Damper, Add	106.24	
For Cap Of Damper Blades Outside Air Stream, Add	49.19	
23 33 13 16-0109 EA 44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	463.71	83.67
For Spring Activated Horizontal Mount Operation, Add	47.83	
For 3 Hour Rated, Add	63.77	
For Dynamic Damper, Add	114.78	
For Cap Of Damper Blades Outside Air Stream, Add	53.14	
23 33 13 16-0110 EA 48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	188.58	38.17
For Spring Activated Horizontal Mount Operation, Add	16.60	
For 3 Hour Rated, Add	22.13	
For Dynamic Damper, Add	39.84	
For Cap Of Damper Blades Outside Air Stream, Add	18.44	
23 33 13 16-0111 EA 48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	202.79	40.61
For Spring Activated Horizontal Mount Operation, Add	18.18	
For 3 Hour Rated, Add	24.24	
For Dynamic Damper, Add	43.64	
For Cap Of Damper Blades Outside Air Stream, Add	20.20	
23 33 13 16-0112 EA 48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	211.73	43.06
For Spring Activated Horizontal Mount Operation, Add	18.58	
For 3 Hour Rated, Add	24.77	
For Dynamic Damper, Add	44.59	
For Cap Of Damper Blades Outside Air Stream, Add	20.64	
23 33 13 16-0113 EA 48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	231.35	47.79
For Spring Activated Horizontal Mount Operation, Add	19.76	
For 3 Hour Rated, Add	26.35	
For Dynamic Damper, Add	47.43	
For Cap Of Damper Blades Outside Air Stream, Add	21.96	
23 33 13 16-0114 EA 48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	252.72	52.53
For Spring Activated Horizontal Mount Operation, Add	21.34	
For 3 Hour Rated, Add	28.46	
For Dynamic Damper, Add	51.22	
For Cap Of Damper Blades Outside Air Stream, Add	23.72	
23 33 13 16-0115 EA 48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	274.11	57.41
For Spring Activated Horizontal Mount Operation, Add	22.93	
For 3 Hour Rated, Add	30.57	
For Dynamic Damper, Add	55.02	
For Cap Of Damper Blades Outside Air Stream, Add	25.47	
23 33 13 16-0116 EA 48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	299.00	62.14
For Spring Activated Horizontal Mount Operation, Add	25.30	
For 3 Hour Rated, Add	33.73	
For Dynamic Damper, Add	60.71	
For Cap Of Damper Blades Outside Air Stream, Add	28.11	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0117 EA 48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	323.89	66.88
For Spring Activated Horizontal Mount Operation, Add	27.67	
For 3 Hour Rated, Add	36.89	
For Dynamic Damper, Add	66.40	
For Cap Of Damper Blades Outside Air Stream, Add	30.74	
23 33 13 16-0118 EA 48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	354.05	71.76
For Spring Activated Horizontal Mount Operation, Add	31.23	
For 3 Hour Rated, Add	41.63	
For Dynamic Damper, Add	74.94	
For Cap Of Damper Blades Outside Air Stream, Add	34.70	
23 33 13 16-0119 EA 48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	387.72	76.49
For Spring Activated Horizontal Mount Operation, Add	35.57	
For 3 Hour Rated, Add	47.43	
For Dynamic Damper, Add	85.37	
For Cap Of Damper Blades Outside Air Stream, Add	39.52	
23 33 13 16-0120 EA 48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	410.72	78.78
For Spring Activated Horizontal Mount Operation, Add	39.13	
For 3 Hour Rated, Add	52.18	
For Dynamic Damper, Add	93.92	
For Cap Of Damper Blades Outside Air Stream, Add	43.48	
23 33 13 16-0121 EA 48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	438.96	81.23
For Spring Activated Horizontal Mount Operation, Add	43.87	
For 3 Hour Rated, Add	58.49	
For Dynamic Damper, Add	105.29	
For Cap Of Damper Blades Outside Air Stream, Add	48.75	
23 33 13 16-0122 EA 48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	469.13	85.96
For Spring Activated Horizontal Mount Operation, Add	47.43	
For 3 Hour Rated, Add	63.24	
For Dynamic Damper, Add	113.83	
For Cap Of Damper Blades Outside Air Stream, Add	52.70	
23 33 13 16-0123 EA 48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	497.39	88.41
For Spring Activated Horizontal Mount Operation, Add	52.17	
For 3 Hour Rated, Add	69.56	
For Dynamic Damper, Add	125.22	
For Cap Of Damper Blades Outside Air Stream, Add	57.97	
23 33 13 16-0124 EA 48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	532.95	95.58
For Spring Activated Horizontal Mount Operation, Add	55.33	
For 3 Hour Rated, Add	73.78	
For Dynamic Damper, Add	132.80	
For Cap Of Damper Blades Outside Air Stream, Add	61.48	
23 33 13 16-0125 EA 52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	201.03	40.61
For Spring Activated Horizontal Mount Operation, Add	17.79	
For 3 Hour Rated, Add	23.72	
For Dynamic Damper, Add	42.69	
For Cap Of Damper Blades Outside Air Stream, Add	19.76	
23 33 13 16-0126 EA 52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	215.24	43.06
For Spring Activated Horizontal Mount Operation, Add	19.37	
For 3 Hour Rated, Add	25.82	
For Dynamic Damper, Add	46.48	
For Cap Of Damper Blades Outside Air Stream, Add	21.52	
23 33 13 16-0127 EA 52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	236.61	47.79
For Spring Activated Horizontal Mount Operation, Add	20.95	
For 3 Hour Rated, Add	27.93	
For Dynamic Damper, Add	50.27	
For Cap Of Damper Blades Outside Air Stream, Add	23.28	
23 33 13 16-0128 EA 52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	252.72	52.53
For Spring Activated Horizontal Mount Operation, Add	21.34	
For 3 Hour Rated, Add	28.46	
For Dynamic Damper, Add	51.22	
For Cap Of Damper Blades Outside Air Stream, Add	23.72	
23 33 13 16-0129 EA 52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	275.00	57.41
For Spring Activated Horizontal Mount Operation, Add	23.13	
For 3 Hour Rated, Add	30.83	
For Dynamic Damper, Add	55.50	
For Cap Of Damper Blades Outside Air Stream, Add	25.70	
23 33 13 16-0130 EA 52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	297.24	62.14
For Spring Activated Horizontal Mount Operation, Add	24.90	
For 3 Hour Rated, Add	33.20	
For Dynamic Damper, Add	59.76	
For Cap Of Damper Blades Outside Air Stream, Add	27.67	
23 33 13 16-0131 EA 52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	322.14	66.88
For Spring Activated Horizontal Mount Operation, Add	27.27	
For 3 Hour Rated, Add	36.37	
For Dynamic Damper, Add	65.46	
For Cap Of Damper Blades Outside Air Stream, Add	30.31	
23 33 13 16-0132 EA 52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	347.02	71.76
For Spring Activated Horizontal Mount Operation, Add	29.64	
For 3 Hour Rated, Add	39.53	
For Dynamic Damper, Add	71.15	
For Cap Of Damper Blades Outside Air Stream, Add	32.94	
23 33 13 16-0133 EA 52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	377.19	76.49
For Spring Activated Horizontal Mount Operation, Add	33.20	
For 3 Hour Rated, Add	44.27	
For Dynamic Damper, Add	79.68	
For Cap Of Damper Blades Outside Air Stream, Add	36.89	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0134 EA 52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	412.62	81.23
<i>For Spring Activated Horizontal Mount Operation, Add</i>	37.94	
<i>For 3 Hour Rated, Add</i>	50.59	
<i>For Dynamic Damper, Add</i>	91.07	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	42.16	
23 33 13 16-0135 EA 52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	437.34	83.67
<i>For Spring Activated Horizontal Mount Operation, Add</i>	41.89	
<i>For 3 Hour Rated, Add</i>	55.86	
<i>For Dynamic Damper, Add</i>	100.54	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	46.55	
23 33 13 16-0136 EA 52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	467.37	85.96
<i>For Spring Activated Horizontal Mount Operation, Add</i>	47.03	
<i>For 3 Hour Rated, Add</i>	62.71	
<i>For Dynamic Damper, Add</i>	112.88	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	52.26	
23 33 13 16-0137 EA 52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	502.79	90.84
<i>For Spring Activated Horizontal Mount Operation, Add</i>	51.77	
<i>For 3 Hour Rated, Add</i>	69.03	
<i>For Dynamic Damper, Add</i>	124.26	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	57.53	
23 33 13 16-0138 EA 52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	532.95	95.58
<i>For Spring Activated Horizontal Mount Operation, Add</i>	55.33	
<i>For 3 Hour Rated, Add</i>	73.78	
<i>For Dynamic Damper, Add</i>	132.80	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	61.48	
23 33 13 16-0139 EA 52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	575.56	102.76
<i>For Spring Activated Horizontal Mount Operation, Add</i>	60.08	
<i>For 3 Hour Rated, Add</i>	80.10	
<i>For Dynamic Damper, Add</i>	144.19	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	66.75	
23 33 13 16-0140 EA 52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	607.48	107.49
<i>For Spring Activated Horizontal Mount Operation, Add</i>	64.03	
<i>For 3 Hour Rated, Add</i>	85.37	
<i>For Dynamic Damper, Add</i>	153.67	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	71.15	
23 33 13 16-0141 EA 56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	211.73	43.06
<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.58	
<i>For 3 Hour Rated, Add</i>	24.77	
<i>For Dynamic Damper, Add</i>	44.59	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.64	
23 33 13 16-0142 EA 56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	234.85	47.79
<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.55	
<i>For 3 Hour Rated, Add</i>	27.40	
<i>For Dynamic Damper, Add</i>	49.32	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.84	
23 33 13 16-0143 EA 56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	254.48	52.53
<i>For Spring Activated Horizontal Mount Operation, Add</i>	21.74	
<i>For 3 Hour Rated, Add</i>	28.99	
<i>For Dynamic Damper, Add</i>	52.17	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.16	
23 33 13 16-0144 EA 56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	270.59	57.41
<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.13	
<i>For 3 Hour Rated, Add</i>	29.51	
<i>For Dynamic Damper, Add</i>	53.12	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.59	
23 33 13 16-0145 EA 56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	294.61	62.14
<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.31	
<i>For 3 Hour Rated, Add</i>	32.41	
<i>For Dynamic Damper, Add</i>	58.34	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	27.01	
23 33 13 16-0146 EA 56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	318.62	66.88
<i>For Spring Activated Horizontal Mount Operation, Add</i>	26.48	
<i>For 3 Hour Rated, Add</i>	35.31	
<i>For Dynamic Damper, Add</i>	63.56	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	29.43	
23 33 13 16-0147 EA 56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	342.63	71.76
<i>For Spring Activated Horizontal Mount Operation, Add</i>	28.66	
<i>For 3 Hour Rated, Add</i>	38.21	
<i>For Dynamic Damper, Add</i>	68.77	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	31.84	
23 33 13 16-0148 EA 56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	366.65	76.49
<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.83	
<i>For 3 Hour Rated, Add</i>	41.11	
<i>For Dynamic Damper, Add</i>	73.99	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	34.26	
23 33 13 16-0149 EA 56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	402.07	81.23
<i>For Spring Activated Horizontal Mount Operation, Add</i>	35.57	
<i>For 3 Hour Rated, Add</i>	47.43	
<i>For Dynamic Damper, Add</i>	85.37	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	39.52	
23 33 13 16-0150 EA 56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	430.33	83.67
<i>For Spring Activated Horizontal Mount Operation, Add</i>	40.32	
<i>For 3 Hour Rated, Add</i>	53.75	
<i>For Dynamic Damper, Add</i>	96.76	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	44.80	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0151 EA 56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	456.83	85.96
For Spring Activated Horizontal Mount Operation, Add	44.66	
For 3 Hour Rated, Add	59.55	
For Dynamic Damper, Add	107.19	
For Cap Of Damper Blades Outside Air Stream, Add	49.63	
23 33 13 16-0152 EA 56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	495.78	90.84
For Spring Activated Horizontal Mount Operation, Add	50.20	
For 3 Hour Rated, Add	66.93	
For Dynamic Damper, Add	120.47	
For Cap Of Damper Blades Outside Air Stream, Add	55.78	
23 33 13 16-0153 EA 56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	531.19	95.58
For Spring Activated Horizontal Mount Operation, Add	54.94	
For 3 Hour Rated, Add	73.25	
For Dynamic Damper, Add	131.85	
For Cap Of Damper Blades Outside Air Stream, Add	61.04	
23 33 13 16-0154 EA 56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	568.39	100.31
For Spring Activated Horizontal Mount Operation, Add	60.08	
For 3 Hour Rated, Add	80.10	
For Dynamic Damper, Add	144.19	
For Cap Of Damper Blades Outside Air Stream, Add	66.75	
23 33 13 16-0155 EA 56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	600.31	105.20
For Spring Activated Horizontal Mount Operation, Add	64.03	
For 3 Hour Rated, Add	85.37	
For Dynamic Damper, Add	153.67	
For Cap Of Damper Blades Outside Air Stream, Add	71.15	
23 33 13 16-0156 EA 56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	637.49	109.94
For Spring Activated Horizontal Mount Operation, Add	69.17	
For 3 Hour Rated, Add	92.22	
For Dynamic Damper, Add	166.00	
For Cap Of Damper Blades Outside Air Stream, Add	76.85	
23 33 13 16-0157 EA 56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	674.68	114.66
For Spring Activated Horizontal Mount Operation, Add	74.31	
For 3 Hour Rated, Add	99.08	
For Dynamic Damper, Add	178.34	
For Cap Of Damper Blades Outside Air Stream, Add	82.56	
23 33 13 16-0158 EA 60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	231.35	47.79
For Spring Activated Horizontal Mount Operation, Add	19.76	
For 3 Hour Rated, Add	26.35	
For Dynamic Damper, Add	47.43	
For Cap Of Damper Blades Outside Air Stream, Add	21.96	
23 33 13 16-0159 EA 60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	254.48	52.53
For Spring Activated Horizontal Mount Operation, Add	21.74	
For 3 Hour Rated, Add	28.99	
For Dynamic Damper, Add	52.17	
For Cap Of Damper Blades Outside Air Stream, Add	24.16	
23 33 13 16-0160 EA 60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	272.35	57.41
For Spring Activated Horizontal Mount Operation, Add	22.53	
For 3 Hour Rated, Add	30.04	
For Dynamic Damper, Add	54.07	
For Cap Of Damper Blades Outside Air Stream, Add	25.03	
23 33 13 16-0161 EA 60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	288.46	62.14
For Spring Activated Horizontal Mount Operation, Add	22.93	
For 3 Hour Rated, Add	30.57	
For Dynamic Damper, Add	55.02	
For Cap Of Damper Blades Outside Air Stream, Add	25.47	
23 33 13 16-0162 EA 60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	313.35	66.88
For Spring Activated Horizontal Mount Operation, Add	25.30	
For 3 Hour Rated, Add	33.73	
For Dynamic Damper, Add	60.71	
For Cap Of Damper Blades Outside Air Stream, Add	28.11	
23 33 13 16-0163 EA 60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	338.24	71.76
For Spring Activated Horizontal Mount Operation, Add	27.67	
For 3 Hour Rated, Add	36.89	
For Dynamic Damper, Add	66.40	
For Cap Of Damper Blades Outside Air Stream, Add	30.74	
23 33 13 16-0164 EA 60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	364.01	76.49
For Spring Activated Horizontal Mount Operation, Add	30.24	
For 3 Hour Rated, Add	40.31	
For Dynamic Damper, Add	72.57	
For Cap Of Damper Blades Outside Air Stream, Add	33.60	
23 33 13 16-0165 EA 60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	389.78	81.23
For Spring Activated Horizontal Mount Operation, Add	32.81	
For 3 Hour Rated, Add	43.74	
For Dynamic Damper, Add	78.73	
For Cap Of Damper Blades Outside Air Stream, Add	36.45	
23 33 13 16-0166 EA 60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	419.79	83.67
For Spring Activated Horizontal Mount Operation, Add	37.94	
For 3 Hour Rated, Add	50.59	
For Dynamic Damper, Add	91.07	
For Cap Of Damper Blades Outside Air Stream, Add	42.16	
23 33 13 16-0167 EA 60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	448.04	85.96
For Spring Activated Horizontal Mount Operation, Add	42.68	
For 3 Hour Rated, Add	56.91	
For Dynamic Damper, Add	102.44	
For Cap Of Damper Blades Outside Air Stream, Add	47.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0168 EA 60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	485.24	90.84
For Spring Activated Horizontal Mount Operation, Add	47.83	
For 3 Hour Rated, Add	63.77	
For Dynamic Damper, Add	114.78	
For Cap Of Damper Blades Outside Air Stream, Add	53.14	
23 33 13 16-0169 EA 60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	522.42	95.58
For Spring Activated Horizontal Mount Operation, Add	52.97	
For 3 Hour Rated, Add	70.62	
For Dynamic Damper, Add	127.12	
For Cap Of Damper Blades Outside Air Stream, Add	58.85	
23 33 13 16-0170 EA 60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	554.34	100.31
For Spring Activated Horizontal Mount Operation, Add	56.92	
For 3 Hour Rated, Add	75.89	
For Dynamic Damper, Add	136.60	
For Cap Of Damper Blades Outside Air Stream, Add	63.24	
23 33 13 16-0171 EA 60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	596.79	105.20
For Spring Activated Horizontal Mount Operation, Add	63.24	
For 3 Hour Rated, Add	84.32	
For Dynamic Damper, Add	151.77	
For Cap Of Damper Blades Outside Air Stream, Add	70.27	
23 33 13 16-0172 EA 60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	635.73	109.94
For Spring Activated Horizontal Mount Operation, Add	68.77	
For 3 Hour Rated, Add	91.70	
For Dynamic Damper, Add	165.05	
For Cap Of Damper Blades Outside Air Stream, Add	76.41	
23 33 13 16-0173 EA 60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	674.68	114.66
For Spring Activated Horizontal Mount Operation, Add	74.31	
For 3 Hour Rated, Add	99.08	
For Dynamic Damper, Add	178.34	
For Cap Of Damper Blades Outside Air Stream, Add	82.56	
23 33 13 16-0174 EA 60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	710.09	119.55
For Spring Activated Horizontal Mount Operation, Add	79.04	
For 3 Hour Rated, Add	105.39	
For Dynamic Damper, Add	189.71	
For Cap Of Damper Blades Outside Air Stream, Add	87.83	
23 33 13 16-0175 EA 60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	745.56	124.29
For Spring Activated Horizontal Mount Operation, Add	83.79	
For 3 Hour Rated, Add	111.73	
For Dynamic Damper, Add	201.11	
For Cap Of Damper Blades Outside Air Stream, Add	93.11	
<b>23 33 13 16-0176 Parallel Blade Louver Fire Damper</b> <small>(23 33 13 16)</small>		
Note: UL listed. 22 gauge galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.		
23 33 13 16-0177 EA 6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	98.69	15.93
For Spring Activated Horizontal Mount Operation, Add	11.45	
For 3 Hour Rated, Add	15.27	
For Dynamic Damper, Add	27.49	
23 33 13 16-0178 EA 8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	103.02	16.65
For Spring Activated Horizontal Mount Operation, Add	11.94	
For 3 Hour Rated, Add	15.92	
For Dynamic Damper, Add	28.66	
23 33 13 16-0179 EA 8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	105.51	16.79
For Spring Activated Horizontal Mount Operation, Add	12.44	
For 3 Hour Rated, Add	16.58	
For Dynamic Damper, Add	29.85	
23 33 13 16-0180 EA 10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	105.51	16.79
For Spring Activated Horizontal Mount Operation, Add	12.44	
For 3 Hour Rated, Add	16.58	
For Dynamic Damper, Add	29.85	
23 33 13 16-0181 EA 10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	109.15	17.23
For Spring Activated Horizontal Mount Operation, Add	12.93	
For 3 Hour Rated, Add	17.24	
For Dynamic Damper, Add	31.04	
23 33 13 16-0182 EA 10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.27	19.09
For Spring Activated Horizontal Mount Operation, Add	13.92	
For 3 Hour Rated, Add	18.56	
For Dynamic Damper, Add	33.40	
23 33 13 16-0183 EA 12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	109.15	17.23
For Spring Activated Horizontal Mount Operation, Add	12.93	
For 3 Hour Rated, Add	17.24	
For Dynamic Damper, Add	31.04	
23 33 13 16-0184 EA 12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	116.39	18.23
For Spring Activated Horizontal Mount Operation, Add	13.92	
For 3 Hour Rated, Add	18.56	
For Dynamic Damper, Add	33.40	
23 33 13 16-0185 EA 12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	121.47	19.09
For Spring Activated Horizontal Mount Operation, Add	14.41	
For 3 Hour Rated, Add	19.22	
For Dynamic Damper, Add	34.59	
23 33 13 16-0186 EA 12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	130.84	21.53
For Spring Activated Horizontal Mount Operation, Add	14.91	
For 3 Hour Rated, Add	19.88	
For Dynamic Damper, Add	35.78	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0187	EA		14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.30	18.23
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.67	
			<i>For 3 Hour Rated, Add</i>	18.23	
			<i>For Dynamic Damper, Add</i>	32.82	
23 33 13 16-0188	EA		14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.47	19.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.41	
			<i>For 3 Hour Rated, Add</i>	19.22	
			<i>For Dynamic Damper, Add</i>	34.59	
23 33 13 16-0189	EA		14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	126.53	20.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.91	
			<i>For 3 Hour Rated, Add</i>	19.88	
			<i>For Dynamic Damper, Add</i>	35.78	
23 33 13 16-0190	EA		14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.03	21.53
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.40	
			<i>For 3 Hour Rated, Add</i>	20.54	
			<i>For Dynamic Damper, Add</i>	36.96	
23 33 13 16-0191	EA		14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	145.71	23.96
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.64	
			<i>For 3 Hour Rated, Add</i>	22.19	
			<i>For Dynamic Damper, Add</i>	39.93	
23 33 13 16-0192	EA		16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	146.89	19.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.13	
			<i>For 3 Hour Rated, Add</i>	26.84	
			<i>For Dynamic Damper, Add</i>	48.32	
23 33 13 16-0193	EA		16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	153.65	20.52
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.69	
			<i>For 3 Hour Rated, Add</i>	27.58	
			<i>For Dynamic Damper, Add</i>	49.65	
23 33 13 16-0194	EA		16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.86	22.53
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	21.24	
			<i>For 3 Hour Rated, Add</i>	28.32	
			<i>For Dynamic Damper, Add</i>	50.98	
23 33 13 16-0195	EA		16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	168.61	23.96
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	21.79	
			<i>For 3 Hour Rated, Add</i>	29.06	
			<i>For Dynamic Damper, Add</i>	52.30	
23 33 13 16-0196	EA		16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	181.96	26.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.18	
			<i>For 3 Hour Rated, Add</i>	30.91	
			<i>For Dynamic Damper, Add</i>	55.63	
23 33 13 16-0197	EA		16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	195.28	28.70
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.56	
			<i>For 3 Hour Rated, Add</i>	32.75	
			<i>For Dynamic Damper, Add</i>	58.95	
23 33 13 16-0198	EA		18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	152.21	20.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.69	
			<i>For 3 Hour Rated, Add</i>	27.58	
			<i>For Dynamic Damper, Add</i>	49.65	
23 33 13 16-0199	EA		18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	160.21	21.53
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	21.52	
			<i>For 3 Hour Rated, Add</i>	28.69	
			<i>For Dynamic Damper, Add</i>	51.64	
23 33 13 16-0200	EA		18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.10	23.96
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.35	
			<i>For 3 Hour Rated, Add</i>	29.80	
			<i>For Dynamic Damper, Add</i>	53.64	
23 33 13 16-0201	EA		18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	184.42	26.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.73	
			<i>For 3 Hour Rated, Add</i>	31.64	
			<i>For Dynamic Damper, Add</i>	56.96	
23 33 13 16-0202	EA		18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.50	28.70
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.84	
			<i>For 3 Hour Rated, Add</i>	33.12	
			<i>For Dynamic Damper, Add</i>	59.61	
23 33 13 16-0203	EA		18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	209.82	31.00
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	26.22	
			<i>For 3 Hour Rated, Add</i>	34.96	
			<i>For Dynamic Damper, Add</i>	62.93	
23 33 13 16-0204	EA		18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	220.69	33.43
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.05	
			<i>For 3 Hour Rated, Add</i>	36.07	
			<i>For Dynamic Damper, Add</i>	64.92	
23 33 13 16-0205	EA		20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.99	21.53
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	21.24	
			<i>For 3 Hour Rated, Add</i>	28.32	
			<i>For Dynamic Damper, Add</i>	50.98	
23 33 13 16-0206	EA		20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.07	23.96
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.34	
			<i>For 3 Hour Rated, Add</i>	29.79	
			<i>For Dynamic Damper, Add</i>	53.63	
23 33 13 16-0207	EA		20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	183.18	26.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.45	
			<i>For 3 Hour Rated, Add</i>	31.27	
			<i>For Dynamic Damper, Add</i>	56.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0208 EA 20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	200.21	28.70
For Spring Activated Horizontal Mount Operation, Add	25.67	
For 3 Hour Rated, Add	34.23	
For Dynamic Damper, Add	61.61	
23 33 13 16-0209 EA 20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	211.06	31.00
For Spring Activated Horizontal Mount Operation, Add	26.50	
For 3 Hour Rated, Add	35.33	
For Dynamic Damper, Add	63.60	
23 33 13 16-0210 EA 20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	221.92	33.43
For Spring Activated Horizontal Mount Operation, Add	27.33	
For 3 Hour Rated, Add	36.44	
For Dynamic Damper, Add	65.59	
23 33 13 16-0211 EA 20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	234.01	35.88
For Spring Activated Horizontal Mount Operation, Add	28.44	
For 3 Hour Rated, Add	37.91	
For Dynamic Damper, Add	68.25	
23 33 13 16-0212 EA 20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	246.09	38.17
For Spring Activated Horizontal Mount Operation, Add	29.54	
For 3 Hour Rated, Add	39.38	
For Dynamic Damper, Add	70.89	
23 33 13 16-0213 EA 24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	193.69	23.96
For Spring Activated Horizontal Mount Operation, Add	27.43	
For 3 Hour Rated, Add	36.58	
For Dynamic Damper, Add	65.84	
23 33 13 16-0214 EA 24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	208.26	26.26
For Spring Activated Horizontal Mount Operation, Add	29.10	
For 3 Hour Rated, Add	38.80	
For Dynamic Damper, Add	69.83	
23 33 13 16-0215 EA 24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	220.36	28.70
For Spring Activated Horizontal Mount Operation, Add	30.21	
For 3 Hour Rated, Add	40.28	
For Dynamic Damper, Add	72.50	
23 33 13 16-0216 EA 24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	234.89	31.00
For Spring Activated Horizontal Mount Operation, Add	31.86	
For 3 Hour Rated, Add	42.48	
For Dynamic Damper, Add	76.47	
23 33 13 16-0217 EA 24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	245.76	33.43
For Spring Activated Horizontal Mount Operation, Add	32.69	
For 3 Hour Rated, Add	43.59	
For Dynamic Damper, Add	78.46	
23 33 13 16-0218 EA 24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	256.62	35.88
For Spring Activated Horizontal Mount Operation, Add	33.52	
For 3 Hour Rated, Add	44.70	
For Dynamic Damper, Add	80.45	
23 33 13 16-0219 EA 24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	271.17	38.17
For Spring Activated Horizontal Mount Operation, Add	35.18	
For 3 Hour Rated, Add	46.91	
For Dynamic Damper, Add	84.43	
23 33 13 16-0220 EA 24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	292.89	43.06
For Spring Activated Horizontal Mount Operation, Add	36.84	
For 3 Hour Rated, Add	49.12	
For Dynamic Damper, Add	88.41	
23 33 13 16-0221 EA 24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	317.09	47.79
For Spring Activated Horizontal Mount Operation, Add	39.06	
For 3 Hour Rated, Add	52.07	
For Dynamic Damper, Add	93.73	
23 33 13 16-0222 EA 28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	208.26	26.26
For Spring Activated Horizontal Mount Operation, Add	29.10	
For 3 Hour Rated, Add	38.80	
For Dynamic Damper, Add	69.83	
23 33 13 16-0223 EA 28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	220.36	28.70
For Spring Activated Horizontal Mount Operation, Add	30.21	
For 3 Hour Rated, Add	40.28	
For Dynamic Damper, Add	72.50	
23 33 13 16-0224 EA 28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	234.89	31.00
For Spring Activated Horizontal Mount Operation, Add	31.86	
For 3 Hour Rated, Add	42.48	
For Dynamic Damper, Add	76.47	
23 33 13 16-0225 EA 28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	246.99	33.43
For Spring Activated Horizontal Mount Operation, Add	32.97	
For 3 Hour Rated, Add	43.96	
For Dynamic Damper, Add	79.13	
23 33 13 16-0226 EA 28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	260.31	35.88
For Spring Activated Horizontal Mount Operation, Add	34.35	
For 3 Hour Rated, Add	45.80	
For Dynamic Damper, Add	82.45	
23 33 13 16-0227 EA 28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	273.61	38.17
For Spring Activated Horizontal Mount Operation, Add	35.73	
For 3 Hour Rated, Add	47.64	
For Dynamic Damper, Add	85.75	
23 33 13 16-0228 EA 28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	295.35	43.06
For Spring Activated Horizontal Mount Operation, Add	37.39	
For 3 Hour Rated, Add	49.86	
For Dynamic Damper, Add	89.74	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0229	EA		28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	317.09	47.79
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	39.06	
			<i>For 3 Hour Rated, Add</i>	52.07	
			<i>For Dynamic Damper, Add</i>	93.73	
23 33 13 16-0230	EA		28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	339.02	50.23
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	42.37	
			<i>For 3 Hour Rated, Add</i>	56.50	
			<i>For Dynamic Damper, Add</i>	101.70	
23 33 13 16-0231	EA		28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	365.68	54.96
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	45.14	
			<i>For 3 Hour Rated, Add</i>	60.19	
			<i>For Dynamic Damper, Add</i>	108.35	
23 33 13 16-0232	EA		32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.72	28.70
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	31.86	
			<i>For 3 Hour Rated, Add</i>	42.48	
			<i>For Dynamic Damper, Add</i>	76.47	
23 33 13 16-0233	EA		32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	237.34	31.00
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	32.41	
			<i>For 3 Hour Rated, Add</i>	43.22	
			<i>For Dynamic Damper, Add</i>	77.79	
23 33 13 16-0234	EA		32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.99	33.43
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	32.97	
			<i>For 3 Hour Rated, Add</i>	43.96	
			<i>For Dynamic Damper, Add</i>	79.13	
23 33 13 16-0235	EA		32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.06	35.88
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	34.07	
			<i>For 3 Hour Rated, Add</i>	45.43	
			<i>For Dynamic Damper, Add</i>	81.77	
23 33 13 16-0236	EA		32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	274.09	38.17
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	35.84	
			<i>For 3 Hour Rated, Add</i>	47.78	
			<i>For Dynamic Damper, Add</i>	86.01	
23 33 13 16-0237	EA		32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	295.35	43.06
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	37.39	
			<i>For 3 Hour Rated, Add</i>	49.86	
			<i>For Dynamic Damper, Add</i>	89.74	
23 33 13 16-0238	EA		32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	319.56	47.79
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	39.61	
			<i>For 3 Hour Rated, Add</i>	52.82	
			<i>For Dynamic Damper, Add</i>	95.07	
23 33 13 16-0239	EA		32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	343.75	52.53
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	41.83	
			<i>For 3 Hour Rated, Add</i>	55.77	
			<i>For Dynamic Damper, Add</i>	100.38	
23 33 13 16-0240	EA		32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	365.68	54.96
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	45.14	
			<i>For 3 Hour Rated, Add</i>	60.19	
			<i>For Dynamic Damper, Add</i>	108.35	
23 33 13 16-0241	EA		32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	394.38	58.84
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	49.02	
			<i>For 3 Hour Rated, Add</i>	65.36	
			<i>For Dynamic Damper, Add</i>	117.64	
23 33 13 16-0242	EA		32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	424.09	62.14
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	53.44	
			<i>For 3 Hour Rated, Add</i>	71.26	
			<i>For Dynamic Damper, Add</i>	128.26	
23 33 13 16-0243	EA		36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.92	31.00
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	36.37	
			<i>For 3 Hour Rated, Add</i>	48.49	
			<i>For Dynamic Damper, Add</i>	87.29	
23 33 13 16-0244	EA		36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.70	33.43
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	37.63	
			<i>For 3 Hour Rated, Add</i>	50.17	
			<i>For Dynamic Damper, Add</i>	90.31	
23 33 13 16-0245	EA		36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.49	35.88
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	38.89	
			<i>For 3 Hour Rated, Add</i>	51.86	
			<i>For Dynamic Damper, Add</i>	93.34	
23 33 13 16-0246	EA		36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.12	38.17
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	40.79	
			<i>For 3 Hour Rated, Add</i>	54.39	
			<i>For Dynamic Damper, Add</i>	97.91	
23 33 13 16-0247	EA		36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	314.70	43.06
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	41.75	
			<i>For 3 Hour Rated, Add</i>	55.66	
			<i>For Dynamic Damper, Add</i>	100.19	
23 33 13 16-0248	EA		36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	326.09	45.35
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	42.69	
			<i>For 3 Hour Rated, Add</i>	56.93	
			<i>For Dynamic Damper, Add</i>	102.47	
23 33 13 16-0249	EA		36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.67	52.53
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	45.86	
			<i>For 3 Hour Rated, Add</i>	61.14	
			<i>For Dynamic Damper, Add</i>	110.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0250 EA 36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	390.06	57.41
<i>For Spring Activated Horizontal Mount Operation, Add</i>	49.01	
<i>For 3 Hour Rated, Add</i>	65.35	
<i>For Dynamic Damper, Add</i>	117.63	
23 33 13 16-0251 EA 36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	412.67	59.27
<i>For Spring Activated Horizontal Mount Operation, Add</i>	52.81	
<i>For 3 Hour Rated, Add</i>	70.41	
<i>For Dynamic Damper, Add</i>	126.74	
23 33 13 16-0252 EA 36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	448.06	63.58
<i>For Spring Activated Horizontal Mount Operation, Add</i>	57.87	
<i>For 3 Hour Rated, Add</i>	77.16	
<i>For Dynamic Damper, Add</i>	138.88	
23 33 13 16-0253 EA 36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	477.77	66.88
<i>For Spring Activated Horizontal Mount Operation, Add</i>	62.29	
<i>For 3 Hour Rated, Add</i>	83.06	
<i>For Dynamic Damper, Add</i>	149.50	
23 33 13 16-0254 EA 36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	507.44	69.31
<i>For Spring Activated Horizontal Mount Operation, Add</i>	67.35	
<i>For 3 Hour Rated, Add</i>	89.80	
<i>For Dynamic Damper, Add</i>	161.64	
23 33 13 16-0255 EA 40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	285.04	35.88
<i>For Spring Activated Horizontal Mount Operation, Add</i>	41.53	
<i>For 3 Hour Rated, Add</i>	55.37	
<i>For Dynamic Damper, Add</i>	99.67	
23 33 13 16-0256 EA 40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	303.46	38.17
<i>For Spring Activated Horizontal Mount Operation, Add</i>	44.06	
<i>For 3 Hour Rated, Add</i>	58.75	
<i>For Dynamic Damper, Add</i>	105.75	
23 33 13 16-0257 EA 40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	313.44	40.61
<i>For Spring Activated Horizontal Mount Operation, Add</i>	44.69	
<i>For 3 Hour Rated, Add</i>	59.59	
<i>For Dynamic Damper, Add</i>	107.26	
23 33 13 16-0258 EA 40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	323.43	43.06
<i>For Spring Activated Horizontal Mount Operation, Add</i>	45.33	
<i>For 3 Hour Rated, Add</i>	60.44	
<i>For Dynamic Damper, Add</i>	108.78	
23 33 13 16-0259 EA 40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	347.64	45.35
<i>For Spring Activated Horizontal Mount Operation, Add</i>	47.54	
<i>For 3 Hour Rated, Add</i>	63.39	
<i>For Dynamic Damper, Add</i>	114.10	
23 33 13 16-0260 EA 40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	364.64	47.79
<i>For Spring Activated Horizontal Mount Operation, Add</i>	49.75	
<i>For 3 Hour Rated, Add</i>	66.34	
<i>For Dynamic Damper, Add</i>	119.41	
23 33 13 16-0261 EA 40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	397.42	54.96
<i>For Spring Activated Horizontal Mount Operation, Add</i>	52.29	
<i>For 3 Hour Rated, Add</i>	69.71	
<i>For Dynamic Damper, Add</i>	125.49	
23 33 13 16-0262 EA 40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	423.01	59.70
<i>For Spring Activated Horizontal Mount Operation, Add</i>	54.81	
<i>For 3 Hour Rated, Add</i>	73.09	
<i>For Dynamic Damper, Add</i>	131.55	
23 33 13 16-0263 EA 40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	451.36	63.58
<i>For Spring Activated Horizontal Mount Operation, Add</i>	58.61	
<i>For 3 Hour Rated, Add</i>	78.15	
<i>For Dynamic Damper, Add</i>	140.66	
23 33 13 16-0264 EA 40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	492.32	66.88
<i>For Spring Activated Horizontal Mount Operation, Add</i>	65.57	
<i>For 3 Hour Rated, Add</i>	87.42	
<i>For Dynamic Damper, Add</i>	157.36	
23 33 13 16-0265 EA 40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	520.65	70.75
<i>For Spring Activated Horizontal Mount Operation, Add</i>	69.36	
<i>For 3 Hour Rated, Add</i>	92.48	
<i>For Dynamic Damper, Add</i>	166.46	
23 33 13 16-0266 EA 40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	557.32	72.62
<i>For Spring Activated Horizontal Mount Operation, Add</i>	76.32	
<i>For 3 Hour Rated, Add</i>	101.75	
<i>For Dynamic Damper, Add</i>	183.16	
23 33 13 16-0267 EA 40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	596.92	76.49
<i>For Spring Activated Horizontal Mount Operation, Add</i>	82.64	
<i>For 3 Hour Rated, Add</i>	110.19	
<i>For Dynamic Damper, Add</i>	198.34	
23 33 13 16-0268 EA 44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	297.84	35.88
<i>For Spring Activated Horizontal Mount Operation, Add</i>	42.80	
<i>For 3 Hour Rated, Add</i>	57.06	
<i>For Dynamic Damper, Add</i>	102.71	
23 33 13 16-0269 EA 44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	316.26	38.17
<i>For Spring Activated Horizontal Mount Operation, Add</i>	45.33	
<i>For 3 Hour Rated, Add</i>	60.44	
<i>For Dynamic Damper, Add</i>	108.78	
23 33 13 16-0270 EA 44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	331.88	40.61
<i>For Spring Activated Horizontal Mount Operation, Add</i>	47.23	
<i>For 3 Hour Rated, Add</i>	62.97	
<i>For Dynamic Damper, Add</i>	113.35	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0271	EA		44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	341.87	43.06
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	47.86	
			<i>For 3 Hour Rated, Add</i>	63.81	
			<i>For Dynamic Damper, Add</i>	114.86	
23 33 13 16-0272	EA		44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	360.30	45.35
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	50.39	
			<i>For 3 Hour Rated, Add</i>	67.19	
			<i>For Dynamic Damper, Add</i>	120.94	
23 33 13 16-0273	EA		44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	378.71	47.79
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	52.92	
			<i>For 3 Hour Rated, Add</i>	70.56	
			<i>For Dynamic Damper, Add</i>	127.01	
23 33 13 16-0274	EA		44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	421.47	57.41
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	56.08	
			<i>For 3 Hour Rated, Add</i>	74.78	
			<i>For Dynamic Damper, Add</i>	134.60	
23 33 13 16-0275	EA		44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	449.86	62.14
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	59.24	
			<i>For 3 Hour Rated, Add</i>	78.99	
			<i>For Dynamic Damper, Add</i>	142.18	
23 33 13 16-0276	EA		44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	492.32	66.88
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	65.57	
			<i>For 3 Hour Rated, Add</i>	87.42	
			<i>For Dynamic Damper, Add</i>	157.36	
23 33 13 16-0277	EA		44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	531.97	71.76
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	71.26	
			<i>For 3 Hour Rated, Add</i>	95.01	
			<i>For Dynamic Damper, Add</i>	171.02	
23 33 13 16-0278	EA		44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	574.41	76.49
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	77.58	
			<i>For 3 Hour Rated, Add</i>	103.43	
			<i>For Dynamic Damper, Add</i>	186.18	
23 33 13 16-0279	EA		44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	606.88	78.78
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	83.27	
			<i>For 3 Hour Rated, Add</i>	111.02	
			<i>For Dynamic Damper, Add</i>	199.84	
23 33 13 16-0280	EA		44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	639.37	81.23
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	88.96	
			<i>For 3 Hour Rated, Add</i>	118.62	
			<i>For Dynamic Damper, Add</i>	213.51	
23 33 13 16-0281	EA		44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	671.84	83.67
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	94.66	
			<i>For 3 Hour Rated, Add</i>	126.21	
			<i>For Dynamic Damper, Add</i>	227.17	
23 33 13 16-0282	EA		48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	313.44	38.17
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	44.69	
			<i>For 3 Hour Rated, Add</i>	59.59	
			<i>For Dynamic Damper, Add</i>	107.26	
23 33 13 16-0283	EA		48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	331.88	40.61
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	47.23	
			<i>For 3 Hour Rated, Add</i>	62.97	
			<i>For Dynamic Damper, Add</i>	113.35	
23 33 13 16-0284	EA		48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	341.87	43.06
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	47.86	
			<i>For 3 Hour Rated, Add</i>	63.81	
			<i>For Dynamic Damper, Add</i>	114.86	
23 33 13 16-0285	EA		48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	364.64	47.79
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	49.75	
			<i>For 3 Hour Rated, Add</i>	66.34	
			<i>For Dynamic Damper, Add</i>	119.41	
23 33 13 16-0286	EA		48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	390.24	52.53
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	52.29	
			<i>For 3 Hour Rated, Add</i>	69.71	
			<i>For Dynamic Damper, Add</i>	125.49	
23 33 13 16-0287	EA		48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	415.84	57.41
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	54.81	
			<i>For 3 Hour Rated, Add</i>	73.09	
			<i>For Dynamic Damper, Add</i>	131.55	
23 33 13 16-0288	EA		48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	447.06	62.14
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	58.61	
			<i>For 3 Hour Rated, Add</i>	78.15	
			<i>For Dynamic Damper, Add</i>	140.66	
23 33 13 16-0289	EA		48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	478.26	66.88
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	62.40	
			<i>For 3 Hour Rated, Add</i>	83.20	
			<i>For Dynamic Damper, Add</i>	149.76	
23 33 13 16-0290	EA		48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	517.92	71.76
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	68.10	
			<i>For 3 Hour Rated, Add</i>	90.80	
			<i>For Dynamic Damper, Add</i>	163.43	
23 33 13 16-0291	EA		48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	563.17	76.49
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	75.05	
			<i>For 3 Hour Rated, Add</i>	100.06	
			<i>For Dynamic Damper, Add</i>	180.11	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0292 EA 48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	595.66	78.78
<i>For Spring Activated Horizontal Mount Operation, Add</i>	80.74	
<i>For 3 Hour Rated, Add</i>	107.66	
<i>For Dynamic Damper, Add</i>	193.78	
23 33 13 16-0293 EA 48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	636.55	81.23
<i>For Spring Activated Horizontal Mount Operation, Add</i>	88.33	
<i>For 3 Hour Rated, Add</i>	117.77	
<i>For Dynamic Damper, Add</i>	211.99	
23 33 13 16-0294 EA 48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	676.22	85.96
<i>For Spring Activated Horizontal Mount Operation, Add</i>	94.03	
<i>For 3 Hour Rated, Add</i>	125.37	
<i>For Dynamic Damper, Add</i>	225.66	
23 33 13 16-0295 EA 48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	717.11	88.41
<i>For Spring Activated Horizontal Mount Operation, Add</i>	101.61	
<i>For 3 Hour Rated, Add</i>	135.48	
<i>For Dynamic Damper, Add</i>	243.86	
23 33 13 16-0296 EA 48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	761.11	95.58
<i>For Spring Activated Horizontal Mount Operation, Add</i>	106.67	
<i>For 3 Hour Rated, Add</i>	142.23	
<i>For Dynamic Damper, Add</i>	256.01	
23 33 13 16-0297 EA 52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	329.06	40.61
<i>For Spring Activated Horizontal Mount Operation, Add</i>	46.59	
<i>For 3 Hour Rated, Add</i>	62.12	
<i>For Dynamic Damper, Add</i>	111.82	
23 33 13 16-0298 EA 52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	347.49	43.06
<i>For Spring Activated Horizontal Mount Operation, Add</i>	49.12	
<i>For 3 Hour Rated, Add</i>	65.50	
<i>For Dynamic Damper, Add</i>	117.90	
23 33 13 16-0299 EA 52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	373.08	47.79
<i>For Spring Activated Horizontal Mount Operation, Add</i>	51.65	
<i>For 3 Hour Rated, Add</i>	68.87	
<i>For Dynamic Damper, Add</i>	123.97	
23 33 13 16-0300 EA 52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	390.24	52.53
<i>For Spring Activated Horizontal Mount Operation, Add</i>	52.29	
<i>For 3 Hour Rated, Add</i>	69.71	
<i>For Dynamic Damper, Add</i>	125.49	
23 33 13 16-0301 EA 52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	417.26	57.41
<i>For Spring Activated Horizontal Mount Operation, Add</i>	55.13	
<i>For 3 Hour Rated, Add</i>	73.51	
<i>For Dynamic Damper, Add</i>	132.32	
23 33 13 16-0302 EA 52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	444.24	62.14
<i>For Spring Activated Horizontal Mount Operation, Add</i>	57.98	
<i>For 3 Hour Rated, Add</i>	77.30	
<i>For Dynamic Damper, Add</i>	139.14	
23 33 13 16-0303 EA 52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	475.46	66.88
<i>For Spring Activated Horizontal Mount Operation, Add</i>	61.77	
<i>For 3 Hour Rated, Add</i>	82.36	
<i>For Dynamic Damper, Add</i>	148.25	
23 33 13 16-0304 EA 52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	506.67	71.76
<i>For Spring Activated Horizontal Mount Operation, Add</i>	65.57	
<i>For 3 Hour Rated, Add</i>	87.42	
<i>For Dynamic Damper, Add</i>	157.36	
23 33 13 16-0305 EA 52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	546.33	76.49
<i>For Spring Activated Horizontal Mount Operation, Add</i>	71.26	
<i>For 3 Hour Rated, Add</i>	95.01	
<i>For Dynamic Damper, Add</i>	171.02	
23 33 13 16-0306 EA 52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	594.39	81.23
<i>For Spring Activated Horizontal Mount Operation, Add</i>	78.84	
<i>For 3 Hour Rated, Add</i>	105.12	
<i>For Dynamic Damper, Add</i>	189.22	
23 33 13 16-0307 EA 52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	629.67	83.67
<i>For Spring Activated Horizontal Mount Operation, Add</i>	85.17	
<i>For 3 Hour Rated, Add</i>	113.56	
<i>For Dynamic Damper, Add</i>	204.40	
23 33 13 16-0308 EA 52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	673.40	85.96
<i>For Spring Activated Horizontal Mount Operation, Add</i>	93.39	
<i>For 3 Hour Rated, Add</i>	124.52	
<i>For Dynamic Damper, Add</i>	224.14	
23 33 13 16-0309 EA 52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	721.45	90.84
<i>For Spring Activated Horizontal Mount Operation, Add</i>	100.97	
<i>For 3 Hour Rated, Add</i>	134.63	
<i>For Dynamic Damper, Add</i>	242.34	
23 33 13 16-0310 EA 52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	761.11	95.58
<i>For Spring Activated Horizontal Mount Operation, Add</i>	106.67	
<i>For 3 Hour Rated, Add</i>	142.23	
<i>For Dynamic Damper, Add</i>	256.01	
23 33 13 16-0311 EA 52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	816.36	102.76
<i>For Spring Activated Horizontal Mount Operation, Add</i>	114.26	
<i>For 3 Hour Rated, Add</i>	152.34	
<i>For Dynamic Damper, Add</i>	274.22	
23 33 13 16-0312 EA 52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	858.82	107.49
<i>For Spring Activated Horizontal Mount Operation, Add</i>	120.58	
<i>For 3 Hour Rated, Add</i>	160.78	
<i>For Dynamic Damper, Add</i>	289.40	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0313	EA		56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	341.87	43.06
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	47.86	
			<i>For 3 Hour Rated, Add</i>	63.81	
			<i>For Dynamic Damper, Add</i>	114.86	
23 33 13 16-0314	EA		56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	370.26	47.79
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	51.02	
			<i>For 3 Hour Rated, Add</i>	68.03	
			<i>For Dynamic Damper, Add</i>	122.45	
23 33 13 16-0315	EA		56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	393.06	52.53
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	52.92	
			<i>For 3 Hour Rated, Add</i>	70.56	
			<i>For Dynamic Damper, Add</i>	127.01	
23 33 13 16-0316	EA		56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	410.21	57.41
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	53.55	
			<i>For 3 Hour Rated, Add</i>	71.40	
			<i>For Dynamic Damper, Add</i>	128.51	
23 33 13 16-0317	EA		56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	440.04	62.14
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	57.03	
			<i>For 3 Hour Rated, Add</i>	76.04	
			<i>For Dynamic Damper, Add</i>	136.87	
23 33 13 16-0318	EA		56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	469.84	66.88
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	60.51	
			<i>For 3 Hour Rated, Add</i>	80.68	
			<i>For Dynamic Damper, Add</i>	145.22	
23 33 13 16-0319	EA		56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	499.65	71.76
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	63.99	
			<i>For 3 Hour Rated, Add</i>	85.31	
			<i>For Dynamic Damper, Add</i>	153.57	
23 33 13 16-0320	EA		56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	529.45	76.49
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	67.46	
			<i>For 3 Hour Rated, Add</i>	89.95	
			<i>For Dynamic Damper, Add</i>	161.90	
23 33 13 16-0321	EA		56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	577.52	81.23
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	75.05	
			<i>For 3 Hour Rated, Add</i>	100.06	
			<i>For Dynamic Damper, Add</i>	180.11	
23 33 13 16-0322	EA		56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	618.44	83.67
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	82.64	
			<i>For 3 Hour Rated, Add</i>	110.19	
			<i>For Dynamic Damper, Add</i>	198.34	
23 33 13 16-0323	EA		56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	656.52	85.96
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	89.59	
			<i>For 3 Hour Rated, Add</i>	119.46	
			<i>For Dynamic Damper, Add</i>	215.02	
23 33 13 16-0324	EA		56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	710.23	90.84
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	98.45	
			<i>For 3 Hour Rated, Add</i>	131.27	
			<i>For Dynamic Damper, Add</i>	236.28	
23 33 13 16-0325	EA		56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	758.29	95.58
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	106.04	
			<i>For 3 Hour Rated, Add</i>	141.38	
			<i>For Dynamic Damper, Add</i>	254.49	
23 33 13 16-0326	EA		56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	809.19	100.31
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	114.26	
			<i>For 3 Hour Rated, Add</i>	152.34	
			<i>For Dynamic Damper, Add</i>	274.22	
23 33 13 16-0327	EA		56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	851.65	105.20
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	120.58	
			<i>For 3 Hour Rated, Add</i>	160.78	
			<i>For Dynamic Damper, Add</i>	289.40	
23 33 13 16-0328	EA		56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	902.54	109.94
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	128.80	
			<i>For 3 Hour Rated, Add</i>	171.74	
			<i>For Dynamic Damper, Add</i>	309.13	
23 33 13 16-0329	EA		56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	953.43	114.66
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	137.03	
			<i>For 3 Hour Rated, Add</i>	182.70	
			<i>For Dynamic Damper, Add</i>	328.86	
23 33 13 16-0330	EA		60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	364.64	47.79
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	49.75	
			<i>For 3 Hour Rated, Add</i>	66.34	
			<i>For Dynamic Damper, Add</i>	119.41	
23 33 13 16-0331	EA		60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	393.06	52.53
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	52.92	
			<i>For 3 Hour Rated, Add</i>	70.56	
			<i>For Dynamic Damper, Add</i>	127.01	
23 33 13 16-0332	EA		60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	413.02	57.41
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	54.18	
			<i>For 3 Hour Rated, Add</i>	72.24	
			<i>For Dynamic Damper, Add</i>	130.03	
23 33 13 16-0333	EA		60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	430.19	62.14
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	54.81	
			<i>For 3 Hour Rated, Add</i>	73.09	
			<i>For Dynamic Damper, Add</i>	131.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0334 EA 60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	461.41	66.88
<i>For Spring Activated Horizontal Mount Operation, Add</i>	58.61	
<i>For 3 Hour Rated, Add</i>	78.15	
<i>For Dynamic Damper, Add</i>	140.66	
23 33 13 16-0335 EA 60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	492.61	71.76
<i>For Spring Activated Horizontal Mount Operation, Add</i>	62.40	
<i>For 3 Hour Rated, Add</i>	83.20	
<i>For Dynamic Damper, Add</i>	149.76	
23 33 13 16-0336 EA 60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	525.24	76.49
<i>For Spring Activated Horizontal Mount Operation, Add</i>	66.51	
<i>For 3 Hour Rated, Add</i>	88.68	
<i>For Dynamic Damper, Add</i>	159.63	
23 33 13 16-0337 EA 60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	557.86	81.23
<i>For Spring Activated Horizontal Mount Operation, Add</i>	70.62	
<i>For 3 Hour Rated, Add</i>	94.16	
<i>For Dynamic Damper, Add</i>	169.50	
23 33 13 16-0338 EA 60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	601.56	83.67
<i>For Spring Activated Horizontal Mount Operation, Add</i>	78.84	
<i>For 3 Hour Rated, Add</i>	105.12	
<i>For Dynamic Damper, Add</i>	189.22	
23 33 13 16-0339 EA 60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	642.47	85.96
<i>For Spring Activated Horizontal Mount Operation, Add</i>	86.43	
<i>For 3 Hour Rated, Add</i>	115.24	
<i>For Dynamic Damper, Add</i>	207.44	
23 33 13 16-0340 EA 60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	693.37	90.84
<i>For Spring Activated Horizontal Mount Operation, Add</i>	94.66	
<i>For 3 Hour Rated, Add</i>	126.21	
<i>For Dynamic Damper, Add</i>	227.17	
23 33 13 16-0341 EA 60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	744.25	95.58
<i>For Spring Activated Horizontal Mount Operation, Add</i>	102.88	
<i>For 3 Hour Rated, Add</i>	137.17	
<i>For Dynamic Damper, Add</i>	246.90	
23 33 13 16-0342 EA 60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	786.71	100.31
<i>For Spring Activated Horizontal Mount Operation, Add</i>	109.20	
<i>For 3 Hour Rated, Add</i>	145.60	
<i>For Dynamic Damper, Add</i>	262.08	
23 33 13 16-0343 EA 60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	846.02	105.20
<i>For Spring Activated Horizontal Mount Operation, Add</i>	119.32	
<i>For 3 Hour Rated, Add</i>	159.09	
<i>For Dynamic Damper, Add</i>	286.36	
23 33 13 16-0344 EA 60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	899.72	109.94
<i>For Spring Activated Horizontal Mount Operation, Add</i>	128.17	
<i>For 3 Hour Rated, Add</i>	170.89	
<i>For Dynamic Damper, Add</i>	307.61	
23 33 13 16-0345 EA 60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	953.43	114.66
<i>For Spring Activated Horizontal Mount Operation, Add</i>	137.03	
<i>For 3 Hour Rated, Add</i>	182.70	
<i>For Dynamic Damper, Add</i>	328.86	
23 33 13 16-0346 EA 60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,001.48	119.55
<i>For Spring Activated Horizontal Mount Operation, Add</i>	144.61	
<i>For 3 Hour Rated, Add</i>	192.81	
<i>For Dynamic Damper, Add</i>	347.06	
23 33 13 16-0347 EA 60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,049.60	124.29
<i>For Spring Activated Horizontal Mount Operation, Add</i>	152.20	
<i>For 3 Hour Rated, Add</i>	202.94	
<i>For Dynamic Damper, Add</i>	365.29	
<b>23 33 13 16-0348 Round 2 Hour Fire Damper</b> <small>(23 33 13 16)</small>		
23 33 13 16-0349 EA 4" Round 2 Hour Fire Damper.....	87.19	28.70
23 33 13 16-0350 EA 5" Round 2 Hour Fire Damper.....	89.32	28.70
23 33 13 16-0351 EA 6" Round 2 Hour Fire Damper.....	103.54	32.58
23 33 13 16-0352 EA 7" Round 2 Hour Fire Damper.....	105.85	32.58
23 33 13 16-0353 EA 8" Round 2 Hour Fire Damper.....	122.82	35.88
23 33 13 16-0354 EA 9" Round 2 Hour Fire Damper.....	129.20	35.88
23 33 13 16-0355 EA 10" Round 2 Hour Fire Damper.....	143.57	39.90
23 33 13 16-0356 EA 12" Round 2 Hour Fire Damper.....	161.36	44.92
23 33 13 16-0357 EA 14" Round 2 Hour Fire Damper.....	183.76	51.23
<b>23 33 13 16-0358 Round 4 Hour Fire Damper</b> <small>(23 33 13 16)</small>		
23 33 13 16-0359 EA 4" Round 4 Hour Fire Damper.....	98.58	32.58
23 33 13 16-0360 EA 5" Round 4 Hour Fire Damper.....	104.39	32.58
23 33 13 16-0361 EA 6" Round 4 Hour Fire Damper.....	116.81	35.88
23 33 13 16-0362 EA 7" Round 4 Hour Fire Damper.....	124.31	35.88
23 33 13 16-0363 EA 8" Round 4 Hour Fire Damper.....	139.79	39.90
23 33 13 16-0364 EA 9" Round 4 Hour Fire Damper.....	144.36	39.90
23 33 13 16-0365 EA 10" Round 4 Hour Fire Damper.....	161.50	44.92
23 33 13 16-0366 EA 12" Round 4 Hour Fire Damper.....	180.85	51.23
23 33 13 16-0367 EA 14" Round 4 Hour Fire Damper.....	211.00	59.85

**23 33 13 19 Smoke-Control Dampers** (23 33 13)

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0001			<b>Combination Smoke/Fire Damper</b> <small>(23 33 13 19)</small> Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0002	EA		6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	526.28	23.89
			<i>For 3 Hour Rated, Add</i>	136.38	
			<i>For Dynamic Damper, Add</i>	245.48	
23 33 13 19-0003	EA		8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	540.59	24.97
			<i>For 3 Hour Rated, Add</i>	139.70	
			<i>For Dynamic Damper, Add</i>	251.47	
23 33 13 19-0004	EA		8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	552.27	25.19
			<i>For 3 Hour Rated, Add</i>	143.08	
			<i>For Dynamic Damper, Add</i>	257.54	
23 33 13 19-0005	EA		10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	621.35	25.19
			<i>For 3 Hour Rated, Add</i>	163.80	
			<i>For Dynamic Damper, Add</i>	294.84	
23 33 13 19-0006	EA		10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	636.28	25.83
			<i>For 3 Hour Rated, Add</i>	167.63	
			<i>For Dynamic Damper, Add</i>	301.74	
23 33 13 19-0007	EA		10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	670.55	28.63
			<i>For 3 Hour Rated, Add</i>	175.33	
			<i>For Dynamic Damper, Add</i>	315.60	
23 33 13 19-0008	EA		12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	636.28	25.83
			<i>For 3 Hour Rated, Add</i>	167.63	
			<i>For Dynamic Damper, Add</i>	301.74	
23 33 13 19-0009	EA		12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	666.24	27.34
			<i>For 3 Hour Rated, Add</i>	175.33	
			<i>For Dynamic Damper, Add</i>	315.60	
23 33 13 19-0010	EA		12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	683.33	28.63
			<i>For 3 Hour Rated, Add</i>	179.17	
			<i>For Dynamic Damper, Add</i>	322.50	
23 33 13 19-0011	EA		12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	706.96	32.29
			<i>For 3 Hour Rated, Add</i>	183.03	
			<i>For Dynamic Damper, Add</i>	329.45	
23 33 13 19-0012	EA		14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	659.84	27.34
			<i>For 3 Hour Rated, Add</i>	173.41	
			<i>For Dynamic Damper, Add</i>	312.14	
23 33 13 19-0013	EA		14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	683.33	28.63
			<i>For 3 Hour Rated, Add</i>	179.17	
			<i>For Dynamic Damper, Add</i>	322.50	
23 33 13 19-0014	EA		14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	700.50	30.14
			<i>For 3 Hour Rated, Add</i>	183.03	
			<i>For Dynamic Damper, Add</i>	329.45	
23 33 13 19-0015	EA		14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	719.83	32.29
			<i>For 3 Hour Rated, Add</i>	186.89	
			<i>For Dynamic Damper, Add</i>	336.40	
23 33 13 19-0016	EA		14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	762.64	35.95
			<i>For 3 Hour Rated, Add</i>	196.50	
			<i>For Dynamic Damper, Add</i>	353.71	
23 33 13 19-0017	EA		16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	666.72	28.63
			<i>For 3 Hour Rated, Add</i>	174.18	
			<i>For Dynamic Damper, Add</i>	313.53	
23 33 13 19-0018	EA		16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	680.19	30.78
			<i>For 3 Hour Rated, Add</i>	176.29	
			<i>For Dynamic Damper, Add</i>	317.31	
23 33 13 19-0019	EA		16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	695.81	33.80
			<i>For 3 Hour Rated, Add</i>	178.39	
			<i>For Dynamic Damper, Add</i>	321.10	
23 33 13 19-0020	EA		16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	709.18	35.95
			<i>For 3 Hour Rated, Add</i>	180.47	
			<i>For Dynamic Damper, Add</i>	324.84	
23 33 13 19-0021	EA		16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	737.45	39.40
			<i>For 3 Hour Rated, Add</i>	185.72	
			<i>For Dynamic Damper, Add</i>	334.29	
23 33 13 19-0022	EA		16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	765.67	43.06
			<i>For 3 Hour Rated, Add</i>	190.95	
			<i>For Dynamic Damper, Add</i>	343.72	
23 33 13 19-0023	EA		18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	678.03	30.14
			<i>For 3 Hour Rated, Add</i>	176.29	
			<i>For Dynamic Damper, Add</i>	317.31	
23 33 13 19-0024	EA		18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	694.94	32.29
			<i>For 3 Hour Rated, Add</i>	179.42	
			<i>For Dynamic Damper, Add</i>	322.96	
23 33 13 19-0025	EA		18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	716.24	35.95
			<i>For 3 Hour Rated, Add</i>	182.58	
			<i>For Dynamic Damper, Add</i>	328.65	
23 33 13 19-0026	EA		18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	744.46	39.40
			<i>For 3 Hour Rated, Add</i>	187.82	
			<i>For Dynamic Damper, Add</i>	338.07	
23 33 13 19-0027	EA		18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	769.15	43.06
			<i>For 3 Hour Rated, Add</i>	192.00	
			<i>For Dynamic Damper, Add</i>	345.59	
23 33 13 19-0028	EA		18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	797.36	46.50
			<i>For 3 Hour Rated, Add</i>	197.23	
			<i>For Dynamic Damper, Add</i>	355.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0029 EA 18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	818.62	50.16
<i>For 3 Hour Rated, Add</i>	200.38	
<i>For Dynamic Damper, Add</i>	360.68	
23 33 13 19-0030 EA 20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	691.50	32.29
<i>For 3 Hour Rated, Add</i>	178.39	
<i>For Dynamic Damper, Add</i>	321.10	
23 33 13 19-0031 EA 20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	716.19	35.95
<i>For 3 Hour Rated, Add</i>	182.57	
<i>For Dynamic Damper, Add</i>	328.62	
23 33 13 19-0032 EA 20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	740.93	39.40
<i>For 3 Hour Rated, Add</i>	186.76	
<i>For Dynamic Damper, Add</i>	336.17	
23 33 13 19-0033 EA 20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	779.69	43.06
<i>For 3 Hour Rated, Add</i>	195.16	
<i>For Dynamic Damper, Add</i>	351.29	
23 33 13 19-0034 EA 20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	800.89	46.50
<i>For 3 Hour Rated, Add</i>	198.29	
<i>For Dynamic Damper, Add</i>	356.92	
23 33 13 19-0035 EA 20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	822.11	50.16
<i>For 3 Hour Rated, Add</i>	201.43	
<i>For Dynamic Damper, Add</i>	362.57	
23 33 13 19-0036 EA 20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	846.84	53.82
<i>For 3 Hour Rated, Add</i>	205.62	
<i>For Dynamic Damper, Add</i>	370.11	
23 33 13 19-0037 EA 20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	871.54	57.27
<i>For 3 Hour Rated, Add</i>	209.80	
<i>For Dynamic Damper, Add</i>	377.63	
23 33 13 19-0038 EA 24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	709.74	35.95
<i>For 3 Hour Rated, Add</i>	180.63	
<i>For Dynamic Damper, Add</i>	325.14	
23 33 13 19-0039 EA 24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	734.64	39.40
<i>For 3 Hour Rated, Add</i>	184.87	
<i>For Dynamic Damper, Add</i>	332.77	
23 33 13 19-0040 EA 24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	754.85	43.06
<i>For 3 Hour Rated, Add</i>	187.71	
<i>For Dynamic Damper, Add</i>	337.87	
23 33 13 19-0041 EA 24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	779.68	46.50
<i>For 3 Hour Rated, Add</i>	191.93	
<i>For Dynamic Damper, Add</i>	345.47	
23 33 13 19-0042 EA 24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	797.51	50.16
<i>For 3 Hour Rated, Add</i>	194.05	
<i>For Dynamic Damper, Add</i>	349.28	
23 33 13 19-0043 EA 24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	815.31	53.82
<i>For 3 Hour Rated, Add</i>	196.16	
<i>For Dynamic Damper, Add</i>	353.08	
23 33 13 19-0044 EA 24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	840.18	57.27
<i>For 3 Hour Rated, Add</i>	200.39	
<i>For Dynamic Damper, Add</i>	360.70	
23 33 13 19-0045 EA 24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	875.80	64.58
<i>For 3 Hour Rated, Add</i>	204.62	
<i>For Dynamic Damper, Add</i>	368.31	
23 33 13 19-0046 EA 24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	916.15	71.69
<i>For 3 Hour Rated, Add</i>	210.26	
<i>For Dynamic Damper, Add</i>	378.48	
23 33 13 19-0047 EA 28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	734.64	39.40
<i>For 3 Hour Rated, Add</i>	184.87	
<i>For Dynamic Damper, Add</i>	332.77	
23 33 13 19-0048 EA 28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	754.85	43.06
<i>For 3 Hour Rated, Add</i>	187.71	
<i>For Dynamic Damper, Add</i>	337.87	
23 33 13 19-0049 EA 28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	779.68	46.50
<i>For 3 Hour Rated, Add</i>	191.93	
<i>For Dynamic Damper, Add</i>	345.47	
23 33 13 19-0050 EA 28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	799.86	50.16
<i>For 3 Hour Rated, Add</i>	194.75	
<i>For Dynamic Damper, Add</i>	350.55	
23 33 13 19-0051 EA 28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	822.37	53.82
<i>For 3 Hour Rated, Add</i>	198.28	
<i>For Dynamic Damper, Add</i>	356.90	
23 33 13 19-0052 EA 28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	844.86	57.27
<i>For 3 Hour Rated, Add</i>	201.79	
<i>For Dynamic Damper, Add</i>	363.23	
23 33 13 19-0053 EA 28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	880.48	64.58
<i>For 3 Hour Rated, Add</i>	206.02	
<i>For Dynamic Damper, Add</i>	370.84	
23 33 13 19-0054 EA 28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	916.15	71.69
<i>For 3 Hour Rated, Add</i>	210.26	
<i>For Dynamic Damper, Add</i>	378.48	
23 33 13 19-0055 EA 28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	955.12	75.35
<i>For 3 Hour Rated, Add</i>	218.72	
<i>For Dynamic Damper, Add</i>	393.70	
23 33 13 19-0056 EA 28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,000.16	82.45
<i>For 3 Hour Rated, Add</i>	225.78	
<i>For Dynamic Damper, Add</i>	406.40	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0057	EA		32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	768.92	43.06
			<i>For 3 Hour Rated, Add</i>	191.93	
			<i>For Dynamic Damper, Add</i>	345.47	
23 33 13 19-0058	EA		32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	784.36	46.50
			<i>For 3 Hour Rated, Add</i>	193.33	
			<i>For Dynamic Damper, Add</i>	348.00	
23 33 13 19-0059	EA		32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	799.86	50.16
			<i>For 3 Hour Rated, Add</i>	194.75	
			<i>For Dynamic Damper, Add</i>	350.55	
23 33 13 19-0060	EA		32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	819.99	53.82
			<i>For 3 Hour Rated, Add</i>	197.56	
			<i>For Dynamic Damper, Add</i>	355.61	
23 33 13 19-0061	EA		32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	845.74	57.27
			<i>For 3 Hour Rated, Add</i>	202.06	
			<i>For Dynamic Damper, Add</i>	363.70	
23 33 13 19-0062	EA		32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	880.48	64.58
			<i>For 3 Hour Rated, Add</i>	206.02	
			<i>For Dynamic Damper, Add</i>	370.84	
23 33 13 19-0063	EA		32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	920.87	71.69
			<i>For 3 Hour Rated, Add</i>	211.68	
			<i>For Dynamic Damper, Add</i>	381.02	
23 33 13 19-0064	EA		32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	961.22	78.78
			<i>For 3 Hour Rated, Add</i>	217.33	
			<i>For Dynamic Damper, Add</i>	391.19	
23 33 13 19-0065	EA		32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,000.16	82.45
			<i>For 3 Hour Rated, Add</i>	225.78	
			<i>For Dynamic Damper, Add</i>	406.40	
23 33 13 19-0066	EA		32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,050.32	88.26
			<i>For 3 Hour Rated, Add</i>	235.66	
			<i>For Dynamic Damper, Add</i>	424.19	
23 33 13 19-0067	EA		32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,102.97	93.21
			<i>For 3 Hour Rated, Add</i>	246.94	
			<i>For Dynamic Damper, Add</i>	444.48	
23 33 13 19-0068	EA		36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	808.50	46.50
			<i>For 3 Hour Rated, Add</i>	200.57	
			<i>For Dynamic Damper, Add</i>	361.03	
23 33 13 19-0069	EA		36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	829.46	50.16
			<i>For 3 Hour Rated, Add</i>	203.63	
			<i>For Dynamic Damper, Add</i>	366.54	
23 33 13 19-0070	EA		36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	850.45	53.82
			<i>For 3 Hour Rated, Add</i>	206.70	
			<i>For Dynamic Damper, Add</i>	372.06	
23 33 13 19-0071	EA		36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	876.57	57.27
			<i>For 3 Hour Rated, Add</i>	211.31	
			<i>For Dynamic Damper, Add</i>	380.35	
23 33 13 19-0072	EA		36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	905.78	64.58
			<i>For 3 Hour Rated, Add</i>	213.61	
			<i>For Dynamic Damper, Add</i>	384.50	
23 33 13 19-0073	EA		36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	924.21	68.03
			<i>For 3 Hour Rated, Add</i>	215.91	
			<i>For Dynamic Damper, Add</i>	388.64	
23 33 13 19-0074	EA		36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	982.07	78.78
			<i>For 3 Hour Rated, Add</i>	223.58	
			<i>For Dynamic Damper, Add</i>	402.45	
23 33 13 19-0075	EA		36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,029.11	86.11
			<i>For 3 Hour Rated, Add</i>	231.23	
			<i>For Dynamic Damper, Add</i>	416.22	
23 33 13 19-0076	EA		36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,068.38	88.91
			<i>For 3 Hour Rated, Add</i>	240.44	
			<i>For Dynamic Damper, Add</i>	432.78	
23 33 13 19-0077	EA		36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,128.66	95.37
			<i>For 3 Hour Rated, Add</i>	252.71	
			<i>For Dynamic Damper, Add</i>	454.87	
23 33 13 19-0078	EA		36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,179.46	100.31
			<i>For 3 Hour Rated, Add</i>	263.42	
			<i>For Dynamic Damper, Add</i>	474.16	
23 33 13 19-0079	EA		36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,231.11	103.97
			<i>For 3 Hour Rated, Add</i>	275.69	
			<i>For Dynamic Damper, Add</i>	496.24	
23 33 13 19-0080	EA		40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,285.79	53.82
			<i>For 3 Hour Rated, Add</i>	340.53	
			<i>For Dynamic Damper, Add</i>	612.95	
23 33 13 19-0081	EA		40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,323.95	57.27
			<i>For 3 Hour Rated, Add</i>	348.75	
			<i>For Dynamic Damper, Add</i>	627.75	
23 33 13 19-0082	EA		40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,341.60	60.93
			<i>For 3 Hour Rated, Add</i>	350.81	
			<i>For Dynamic Damper, Add</i>	631.47	
23 33 13 19-0083	EA		40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,359.24	64.58
			<i>For 3 Hour Rated, Add</i>	352.88	
			<i>For Dynamic Damper, Add</i>	635.18	
23 33 13 19-0084	EA		40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,404.78	68.03
			<i>For 3 Hour Rated, Add</i>	360.08	
			<i>For Dynamic Damper, Add</i>	648.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0085 EA 40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,439.59 367.30 661.13	71.69
23 33 13 19-0086 EA 40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,499.33 375.53 675.95	82.45
23 33 13 19-0087 EA 40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,548.26 383.75 690.75	89.55
23 33 13 19-0088 EA 40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,606.69 396.11 713.01	95.37
23 33 13 19-0089 EA 40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,697.17 418.74 753.73	100.31
23 33 13 19-0090 EA 40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,755.52 431.08 775.94	106.13
23 33 13 19-0091 EA 40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,839.63 453.72 816.70	108.93
23 33 13 19-0092 EA 40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,925.46 474.31 853.76	114.74
23 33 13 19-0093 EA 44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,310.27 344.65 620.36	53.82
23 33 13 19-0094 EA 44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,348.48 352.88 635.18	57.27
23 33 13 19-0095 EA 44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,379.85 359.06 646.31	60.93
23 33 13 19-0096 EA 44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,397.49 361.13 650.03	64.58
23 33 13 19-0097 EA 44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,435.71 369.36 664.85	68.03
23 33 13 19-0098 EA 44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,473.87 377.58 679.64	71.69
23 33 13 19-0099 EA 44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,551.26 387.88 698.18	86.11
23 33 13 19-0100 EA 44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,607.02 398.15 716.67	93.21
23 33 13 19-0101 EA 44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,697.17 418.74 753.73	100.31
23 33 13 19-0102 EA 44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,780.42 437.26 787.06	107.63
23 33 13 19-0103 EA 44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,870.52 457.83 824.09	114.74
23 33 13 19-0104 EA 44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,943.03 476.35 857.43	118.18
23 33 13 19-0105 EA 44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	2,015.56 494.88 890.78	121.84
23 33 13 19-0106 EA 44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	2,088.10 513.41 924.14	125.50
23 33 13 19-0107 EA 48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,341.60 350.81 631.47	57.27
23 33 13 19-0108 EA 48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,379.85 359.06 646.31	60.93
23 33 13 19-0109 EA 48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,397.49 361.13 650.03	64.58
23 33 13 19-0110 EA 48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,439.59 367.30 661.13	71.69
23 33 13 19-0111 EA 48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,488.56 375.53 675.95	78.78
23 33 13 19-0112 EA 48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,537.50 383.75 690.75	86.11

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0113	EA		48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,600.23	93.21
			<i>For 3 Hour Rated, Add</i>	396.11	
			<i>For Dynamic Damper, Add</i>	713.01	
23 33 13 19-0114	EA		48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,662.88	100.31
			<i>For 3 Hour Rated, Add</i>	408.45	
			<i>For Dynamic Damper, Add</i>	735.21	
23 33 13 19-0115	EA		48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,746.13	107.63
			<i>For 3 Hour Rated, Add</i>	426.97	
			<i>For Dynamic Damper, Add</i>	768.54	
23 33 13 19-0116	EA		48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,843.08	114.74
			<i>For 3 Hour Rated, Add</i>	449.60	
			<i>For Dynamic Damper, Add</i>	809.27	
23 33 13 19-0117	EA		48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,915.66	118.18
			<i>For 3 Hour Rated, Add</i>	468.14	
			<i>For Dynamic Damper, Add</i>	842.65	
23 33 13 19-0118	EA		48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,008.68	121.84
			<i>For 3 Hour Rated, Add</i>	492.82	
			<i>For Dynamic Damper, Add</i>	887.07	
23 33 13 19-0119	EA		48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,091.98	128.95
			<i>For 3 Hour Rated, Add</i>	511.35	
			<i>For Dynamic Damper, Add</i>	920.42	
23 33 13 19-0120	EA		48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,185.08	132.61
			<i>For 3 Hour Rated, Add</i>	536.05	
			<i>For Dynamic Damper, Add</i>	964.89	
23 33 13 19-0121	EA		48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,272.23	143.37
			<i>For 3 Hour Rated, Add</i>	552.50	
			<i>For Dynamic Damper, Add</i>	994.51	
23 33 13 19-0122	EA		52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,372.97	60.93
			<i>For 3 Hour Rated, Add</i>	357.00	
			<i>For Dynamic Damper, Add</i>	642.59	
23 33 13 19-0123	EA		52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,411.17	64.58
			<i>For 3 Hour Rated, Add</i>	365.23	
			<i>For Dynamic Damper, Add</i>	657.41	
23 33 13 19-0124	EA		52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,460.15	71.69
			<i>For 3 Hour Rated, Add</i>	373.46	
			<i>For Dynamic Damper, Add</i>	672.24	
23 33 13 19-0125	EA		52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,488.56	78.78
			<i>For 3 Hour Rated, Add</i>	375.53	
			<i>For Dynamic Damper, Add</i>	675.95	
23 33 13 19-0126	EA		52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,540.98	86.11
			<i>For 3 Hour Rated, Add</i>	384.80	
			<i>For Dynamic Damper, Add</i>	692.63	
23 33 13 19-0127	EA		52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,593.34	93.21
			<i>For 3 Hour Rated, Add</i>	394.05	
			<i>For Dynamic Damper, Add</i>	709.28	
23 33 13 19-0128	EA		52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,656.04	100.31
			<i>For 3 Hour Rated, Add</i>	406.40	
			<i>For Dynamic Damper, Add</i>	731.52	
23 33 13 19-0129	EA		52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,718.69	107.63
			<i>For 3 Hour Rated, Add</i>	418.74	
			<i>For Dynamic Damper, Add</i>	753.73	
23 33 13 19-0130	EA		52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,801.95	114.74
			<i>For 3 Hour Rated, Add</i>	437.26	
			<i>For Dynamic Damper, Add</i>	787.06	
23 33 13 19-0131	EA		52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,905.82	121.84
			<i>For 3 Hour Rated, Add</i>	461.96	
			<i>For Dynamic Damper, Add</i>	831.52	
23 33 13 19-0132	EA		52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,985.12	125.50
			<i>For 3 Hour Rated, Add</i>	482.52	
			<i>For Dynamic Damper, Add</i>	868.53	
23 33 13 19-0133	EA		52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,085.14	128.95
			<i>For 3 Hour Rated, Add</i>	509.30	
			<i>For Dynamic Damper, Add</i>	916.73	
23 33 13 19-0134	EA		52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,188.92	136.26
			<i>For 3 Hour Rated, Add</i>	533.97	
			<i>For Dynamic Damper, Add</i>	961.15	
23 33 13 19-0135	EA		52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,272.23	143.37
			<i>For 3 Hour Rated, Add</i>	552.50	
			<i>For Dynamic Damper, Add</i>	994.51	
23 33 13 19-0136	EA		52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,386.80	154.13
			<i>For 3 Hour Rated, Add</i>	577.19	
			<i>For Dynamic Damper, Add</i>	1,038.94	
23 33 13 19-0137	EA		52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,476.95	161.24
			<i>For 3 Hour Rated, Add</i>	597.78	
			<i>For Dynamic Damper, Add</i>	1,076.00	
23 33 13 19-0138	EA		56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,397.49	64.58
			<i>For 3 Hour Rated, Add</i>	361.13	
			<i>For Dynamic Damper, Add</i>	650.03	
23 33 13 19-0139	EA		56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,453.27	71.69
			<i>For 3 Hour Rated, Add</i>	371.40	
			<i>For Dynamic Damper, Add</i>	668.52	
23 33 13 19-0140	EA		56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,495.40	78.78
			<i>For 3 Hour Rated, Add</i>	377.58	
			<i>For Dynamic Damper, Add</i>	679.64	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0141 EA 56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,523.77 379.63 683.34	86.11
23 33 13 19-0142 EA 56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,583.06 390.96 703.73	93.21
23 33 13 19-0143 EA 56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,642.32 402.28 724.11	100.31
23 33 13 19-0144 EA 56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,701.53 413.59 744.46	107.63
23 33 13 19-0145 EA 56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,760.78 424.91 764.83	114.74
23 33 13 19-0146 EA 56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,864.61 449.60 809.27	121.84
23 33 13 19-0147 EA 56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,957.76 474.31 853.76	125.50
23 33 13 19-0148 EA 56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	2,043.93 496.93 894.48	128.95
23 33 13 19-0149 EA 56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	2,161.52 525.75 946.35	136.26
23 33 13 19-0150 EA 56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	2,265.35 550.44 990.79	143.37
23 33 13 19-0151 EA 56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	2,376.04 577.19 1,038.94	150.47
23 33 13 19-0152 EA 56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	2,466.18 597.78 1,076.00	157.79
23 33 13 19-0153 EA 56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	2,576.89 624.53 1,124.16	164.90
23 33 13 19-0154 EA 56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	2,687.59 651.28 1,172.31	172.00
23 33 13 19-0155 EA 60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,439.59 367.30 661.13	71.69
23 33 13 19-0156 EA 60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,495.40 377.58 679.64	78.78
23 33 13 19-0157 EA 60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,530.66 381.70 687.06	86.11
23 33 13 19-0158 EA 60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,559.02 383.75 690.75	93.21
23 33 13 19-0159 EA 60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,621.76 396.11 713.01	100.31
23 33 13 19-0160 EA 60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,684.40 408.45 735.21	107.63
23 33 13 19-0161 EA 60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,750.50 421.82 759.28	114.74
23 33 13 19-0162 EA 60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,816.64 435.20 783.37	121.84
23 33 13 19-0163 EA 60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,916.59 461.96 831.52	125.50
23 33 13 19-0164 EA 60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	2,009.64 486.65 875.96	128.95
23 33 13 19-0165 EA 60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	2,120.39 513.41 924.14	136.26
23 33 13 19-0166 EA 60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	2,231.10 540.17 972.30	143.37
23 33 13 19-0167 EA 60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	2,321.19 560.74 1,009.32	150.47
23 33 13 19-0168 EA 60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	2,452.45 593.66 1,068.58	157.79

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0169	EA		60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,570.04	164.90
			<i>For 3 Hour Rated, Add</i>	622.48	
			<i>For Dynamic Damper, Add</i>	1,120.46	
23 33 13 19-0170	EA		60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,687.59	172.00
			<i>For 3 Hour Rated, Add</i>	651.28	
			<i>For Dynamic Damper, Add</i>	1,172.31	
23 33 13 19-0171	EA		60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,791.38	179.32
			<i>For 3 Hour Rated, Add</i>	675.96	
			<i>For Dynamic Damper, Add</i>	1,216.73	
23 33 13 19-0172	EA		60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,895.33	186.43
			<i>For 3 Hour Rated, Add</i>	700.69	
			<i>For Dynamic Damper, Add</i>	1,261.23	
<b>23 33 13 19-0173 Smoke Damper</b> <small>(23 33 13 19)</small>					
Note: Leakage class I with Firestat UL 555S air foil blades.					
23 33 13 19-0174	EA		6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	120.64	15.93
			<i>For 3 Hour Rated, Add</i>	21.86	
			<i>For Dynamic Damper, Add</i>	39.34	
23 33 13 19-0175	EA		8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	124.62	16.65
			<i>For 3 Hour Rated, Add</i>	22.40	
			<i>For Dynamic Damper, Add</i>	40.32	
23 33 13 19-0176	EA		8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	126.76	16.79
			<i>For 3 Hour Rated, Add</i>	22.96	
			<i>For Dynamic Damper, Add</i>	41.33	
23 33 13 19-0177	EA		10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	126.76	16.79
			<i>For 3 Hour Rated, Add</i>	22.96	
			<i>For Dynamic Damper, Add</i>	41.33	
23 33 13 19-0178	EA		10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	130.04	17.23
			<i>For 3 Hour Rated, Add</i>	23.51	
			<i>For Dynamic Damper, Add</i>	42.32	
23 33 13 19-0179	EA		10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	139.46	19.09
			<i>For 3 Hour Rated, Add</i>	24.62	
			<i>For Dynamic Damper, Add</i>	44.31	
23 33 13 19-0180	EA		12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	130.04	17.23
			<i>For 3 Hour Rated, Add</i>	23.51	
			<i>For Dynamic Damper, Add</i>	42.32	
23 33 13 19-0181	EA		12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	136.58	18.23
			<i>For 3 Hour Rated, Add</i>	24.62	
			<i>For Dynamic Damper, Add</i>	44.31	
23 33 13 19-0182	EA		12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.31	19.09
			<i>For 3 Hour Rated, Add</i>	25.17	
			<i>For Dynamic Damper, Add</i>	45.31	
23 33 13 19-0183	EA		12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	150.32	21.53
			<i>For 3 Hour Rated, Add</i>	25.72	
			<i>For Dynamic Damper, Add</i>	46.30	
23 33 13 19-0184	EA		14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	135.67	18.23
			<i>For 3 Hour Rated, Add</i>	24.34	
			<i>For Dynamic Damper, Add</i>	43.82	
23 33 13 19-0185	EA		14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.31	19.09
			<i>For 3 Hour Rated, Add</i>	25.17	
			<i>For Dynamic Damper, Add</i>	45.31	
23 33 13 19-0186	EA		14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	146.01	20.09
			<i>For 3 Hour Rated, Add</i>	25.72	
			<i>For Dynamic Damper, Add</i>	46.30	
23 33 13 19-0187	EA		14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.18	21.53
			<i>For 3 Hour Rated, Add</i>	26.28	
			<i>For Dynamic Damper, Add</i>	47.30	
23 33 13 19-0188	EA		14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	163.96	23.96
			<i>For 3 Hour Rated, Add</i>	27.66	
			<i>For Dynamic Damper, Add</i>	49.79	
23 33 13 19-0189	EA		16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	208.48	19.09
			<i>For 3 Hour Rated, Add</i>	45.32	
			<i>For Dynamic Damper, Add</i>	81.58	
23 33 13 19-0190	EA		16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.62	20.52
			<i>For 3 Hour Rated, Add</i>	45.87	
			<i>For Dynamic Damper, Add</i>	82.57	
23 33 13 19-0191	EA		16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	222.21	22.53
			<i>For 3 Hour Rated, Add</i>	46.43	
			<i>For Dynamic Damper, Add</i>	83.57	
23 33 13 19-0192	EA		16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	228.35	23.96
			<i>For 3 Hour Rated, Add</i>	46.98	
			<i>For Dynamic Damper, Add</i>	84.56	
23 33 13 19-0193	EA		16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	240.16	26.26
			<i>For 3 Hour Rated, Add</i>	48.37	
			<i>For Dynamic Damper, Add</i>	87.06	
23 33 13 19-0194	EA		16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	251.94	28.70
			<i>For 3 Hour Rated, Add</i>	49.75	
			<i>For Dynamic Damper, Add</i>	89.55	
23 33 13 19-0195	EA		18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	213.18	20.09
			<i>For 3 Hour Rated, Add</i>	45.87	
			<i>For Dynamic Damper, Add</i>	82.57	
23 33 13 19-0196	EA		18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	220.26	21.53
			<i>For 3 Hour Rated, Add</i>	46.70	
			<i>For Dynamic Damper, Add</i>	84.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0197 EA 18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	230.22	23.96
For 3 Hour Rated, Add	47.54	
For Dynamic Damper, Add	85.57	
23 33 13 19-0198 EA 18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	242.00	26.26
For 3 Hour Rated, Add	48.92	
For Dynamic Damper, Add	88.05	
23 33 13 19-0199 EA 18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	252.85	28.70
For 3 Hour Rated, Add	50.02	
For Dynamic Damper, Add	90.04	
23 33 13 19-0200 EA 18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	264.64	31.00
For 3 Hour Rated, Add	51.41	
For Dynamic Damper, Add	92.53	
23 33 13 19-0201 EA 18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	274.59	33.43
For 3 Hour Rated, Add	52.24	
For Dynamic Damper, Add	94.03	
23 33 13 19-0202 EA 20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	219.34	21.53
For 3 Hour Rated, Add	46.43	
For Dynamic Damper, Add	83.57	
23 33 13 19-0203 EA 20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	230.20	23.96
For 3 Hour Rated, Add	47.53	
For Dynamic Damper, Add	85.56	
23 33 13 19-0204 EA 20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	241.08	26.26
For 3 Hour Rated, Add	48.64	
For Dynamic Damper, Add	87.56	
23 33 13 19-0205 EA 20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	255.63	28.70
For 3 Hour Rated, Add	50.86	
For Dynamic Damper, Add	91.54	
23 33 13 19-0206 EA 20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	265.57	31.00
For 3 Hour Rated, Add	51.69	
For Dynamic Damper, Add	93.04	
23 33 13 19-0207 EA 20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	275.52	33.43
For 3 Hour Rated, Add	52.52	
For Dynamic Damper, Add	94.53	
23 33 13 19-0208 EA 20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	286.37	35.88
For 3 Hour Rated, Add	53.62	
For Dynamic Damper, Add	96.52	
23 33 13 19-0209 EA 20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	297.23	38.17
For 3 Hour Rated, Add	54.73	
For Dynamic Damper, Add	98.51	
23 33 13 19-0210 EA 24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	285.77	23.96
For 3 Hour Rated, Add	64.20	
For Dynamic Damper, Add	115.57	
23 33 13 19-0211 EA 24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	298.50	26.26
For 3 Hour Rated, Add	65.87	
For Dynamic Damper, Add	118.56	
23 33 13 19-0212 EA 24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	309.37	28.70
For 3 Hour Rated, Add	66.98	
For Dynamic Damper, Add	120.56	
23 33 13 19-0213 EA 24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	322.07	31.00
For 3 Hour Rated, Add	68.64	
For Dynamic Damper, Add	123.55	
23 33 13 19-0214 EA 24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	332.02	33.43
For 3 Hour Rated, Add	69.47	
For Dynamic Damper, Add	125.04	
23 33 13 19-0215 EA 24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	341.94	35.88
For 3 Hour Rated, Add	70.29	
For Dynamic Damper, Add	126.53	
23 33 13 19-0216 EA 24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	354.66	38.17
For 3 Hour Rated, Add	71.96	
For Dynamic Damper, Add	129.52	
23 33 13 19-0217 EA 24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	374.54	43.06
For 3 Hour Rated, Add	73.61	
For Dynamic Damper, Add	132.51	
23 33 13 19-0218 EA 24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	396.28	47.79
For 3 Hour Rated, Add	75.83	
For Dynamic Damper, Add	136.50	
23 33 13 19-0219 EA 28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	298.50	26.26
For 3 Hour Rated, Add	65.87	
For Dynamic Damper, Add	118.56	
23 33 13 19-0220 EA 28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	309.37	28.70
For 3 Hour Rated, Add	66.98	
For Dynamic Damper, Add	120.56	
23 33 13 19-0221 EA 28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	322.07	31.00
For 3 Hour Rated, Add	68.64	
For Dynamic Damper, Add	123.55	
23 33 13 19-0222 EA 28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	332.93	33.43
For 3 Hour Rated, Add	69.74	
For Dynamic Damper, Add	125.53	
23 33 13 19-0223 EA 28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	344.71	35.88
For 3 Hour Rated, Add	71.12	
For Dynamic Damper, Add	128.02	
23 33 13 19-0224 EA 28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	356.50	38.17
For 3 Hour Rated, Add	72.51	
For Dynamic Damper, Add	130.51	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0225	EA		28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	376.38	43.06
			<i>For 3 Hour Rated, Add</i>	74.17	
			<i>For Dynamic Damper, Add</i>	133.50	
23 33 13 19-0226	EA		28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	396.28	47.79
			<i>For 3 Hour Rated, Add</i>	75.83	
			<i>For Dynamic Damper, Add</i>	136.50	
23 33 13 19-0227	EA		28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	414.51	50.23
			<i>For 3 Hour Rated, Add</i>	79.15	
			<i>For Dynamic Damper, Add</i>	142.46	
23 33 13 19-0228	EA		28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	438.09	54.96
			<i>For 3 Hour Rated, Add</i>	81.92	
			<i>For Dynamic Damper, Add</i>	147.45	
23 33 13 19-0229	EA		32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	314.90	28.70
			<i>For 3 Hour Rated, Add</i>	68.64	
			<i>For Dynamic Damper, Add</i>	123.55	
23 33 13 19-0230	EA		32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	323.90	31.00
			<i>For 3 Hour Rated, Add</i>	69.19	
			<i>For Dynamic Damper, Add</i>	124.53	
23 33 13 19-0231	EA		32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	332.93	33.43
			<i>For 3 Hour Rated, Add</i>	69.74	
			<i>For Dynamic Damper, Add</i>	125.53	
23 33 13 19-0232	EA		32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	343.78	35.88
			<i>For 3 Hour Rated, Add</i>	70.85	
			<i>For Dynamic Damper, Add</i>	127.52	
23 33 13 19-0233	EA		32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	356.85	38.17
			<i>For 3 Hour Rated, Add</i>	72.61	
			<i>For Dynamic Damper, Add</i>	130.70	
23 33 13 19-0234	EA		32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	376.38	43.06
			<i>For 3 Hour Rated, Add</i>	74.17	
			<i>For Dynamic Damper, Add</i>	133.50	
23 33 13 19-0235	EA		32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	398.12	47.79
			<i>For 3 Hour Rated, Add</i>	76.38	
			<i>For Dynamic Damper, Add</i>	137.49	
23 33 13 19-0236	EA		32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	419.86	52.53
			<i>For 3 Hour Rated, Add</i>	78.60	
			<i>For Dynamic Damper, Add</i>	141.48	
23 33 13 19-0237	EA		32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	438.09	54.96
			<i>For 3 Hour Rated, Add</i>	81.92	
			<i>For Dynamic Damper, Add</i>	147.45	
23 33 13 19-0238	EA		32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	462.50	58.84
			<i>For 3 Hour Rated, Add</i>	85.79	
			<i>For Dynamic Damper, Add</i>	154.43	
23 33 13 19-0239	EA		32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	487.29	62.14
			<i>For 3 Hour Rated, Add</i>	90.22	
			<i>For Dynamic Damper, Add</i>	162.39	
23 33 13 19-0240	EA		36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	330.76	31.00
			<i>For 3 Hour Rated, Add</i>	71.24	
			<i>For Dynamic Damper, Add</i>	128.24	
23 33 13 19-0241	EA		36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	341.80	33.43
			<i>For 3 Hour Rated, Add</i>	72.40	
			<i>For Dynamic Damper, Add</i>	130.32	
23 33 13 19-0242	EA		36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	352.82	35.88
			<i>For 3 Hour Rated, Add</i>	73.56	
			<i>For Dynamic Damper, Add</i>	132.40	
23 33 13 19-0243	EA		36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	365.81	38.17
			<i>For 3 Hour Rated, Add</i>	75.30	
			<i>For Dynamic Damper, Add</i>	135.54	
23 33 13 19-0244	EA		36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	383.07	43.06
			<i>For 3 Hour Rated, Add</i>	76.17	
			<i>For Dynamic Damper, Add</i>	137.11	
23 33 13 19-0245	EA		36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	393.15	45.35
			<i>For 3 Hour Rated, Add</i>	77.04	
			<i>For Dynamic Damper, Add</i>	138.68	
23 33 13 19-0246	EA		36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	424.33	52.53
			<i>For 3 Hour Rated, Add</i>	79.94	
			<i>For Dynamic Damper, Add</i>	143.89	
23 33 13 19-0247	EA		36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	448.34	57.41
			<i>For 3 Hour Rated, Add</i>	82.84	
			<i>For Dynamic Damper, Add</i>	149.10	
23 33 13 19-0248	EA		36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	465.68	59.27
			<i>For 3 Hour Rated, Add</i>	86.32	
			<i>For Dynamic Damper, Add</i>	155.37	
23 33 13 19-0249	EA		36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	494.04	63.58
			<i>For 3 Hour Rated, Add</i>	90.95	
			<i>For Dynamic Damper, Add</i>	163.71	
23 33 13 19-0250	EA		36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	517.62	66.88
			<i>For 3 Hour Rated, Add</i>	95.01	
			<i>For Dynamic Damper, Add</i>	171.02	
23 33 13 19-0251	EA		36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	540.26	69.31
			<i>For 3 Hour Rated, Add</i>	99.65	
			<i>For Dynamic Damper, Add</i>	179.37	
23 33 13 19-0252	EA		40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	380.16	35.88
			<i>For 3 Hour Rated, Add</i>	83.91	
			<i>For Dynamic Damper, Add</i>	151.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0253 EA 40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	395.06	38.17
<i>For 3 Hour Rated, Add</i>	86.23	
<i>For Dynamic Damper, Add</i>	155.21	
23 33 13 19-0254 EA 40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	404.17	40.61
<i>For 3 Hour Rated, Add</i>	86.81	
<i>For Dynamic Damper, Add</i>	156.25	
23 33 13 19-0255 EA 40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	413.27	43.06
<i>For 3 Hour Rated, Add</i>	87.39	
<i>For Dynamic Damper, Add</i>	157.30	
23 33 13 19-0256 EA 40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	434.40	45.35
<i>For 3 Hour Rated, Add</i>	89.42	
<i>For Dynamic Damper, Add</i>	160.95	
23 33 13 19-0257 EA 40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	448.35	47.79
<i>For 3 Hour Rated, Add</i>	91.45	
<i>For Dynamic Damper, Add</i>	164.61	
23 33 13 19-0258 EA 40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	477.60	54.96
<i>For 3 Hour Rated, Add</i>	93.77	
<i>For Dynamic Damper, Add</i>	168.78	
23 33 13 19-0259 EA 40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	499.69	59.70
<i>For 3 Hour Rated, Add</i>	96.09	
<i>For Dynamic Damper, Add</i>	172.96	
23 33 13 19-0260 EA 40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	522.76	63.58
<i>For 3 Hour Rated, Add</i>	99.57	
<i>For Dynamic Damper, Add</i>	179.22	
23 33 13 19-0261 EA 40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	554.06	66.88
<i>For 3 Hour Rated, Add</i>	105.94	
<i>For Dynamic Damper, Add</i>	190.70	
23 33 13 19-0262 EA 40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	577.12	70.75
<i>For 3 Hour Rated, Add</i>	109.42	
<i>For Dynamic Damper, Add</i>	196.95	
23 33 13 19-0263 EA 40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	604.12	72.62
<i>For 3 Hour Rated, Add</i>	115.79	
<i>For Dynamic Damper, Add</i>	208.43	
23 33 13 19-0264 EA 40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	634.94	76.49
<i>For 3 Hour Rated, Add</i>	121.59	
<i>For Dynamic Damper, Add</i>	218.87	
23 33 13 19-0265 EA 44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	391.20	35.88
<i>For 3 Hour Rated, Add</i>	85.07	
<i>For Dynamic Damper, Add</i>	153.13	
23 33 13 19-0266 EA 44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	406.10	38.17
<i>For 3 Hour Rated, Add</i>	87.39	
<i>For Dynamic Damper, Add</i>	157.30	
23 33 13 19-0267 EA 44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	419.09	40.61
<i>For 3 Hour Rated, Add</i>	89.13	
<i>For Dynamic Damper, Add</i>	160.44	
23 33 13 19-0268 EA 44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	428.21	43.06
<i>For 3 Hour Rated, Add</i>	89.72	
<i>For Dynamic Damper, Add</i>	161.49	
23 33 13 19-0269 EA 44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	443.11	45.35
<i>For 3 Hour Rated, Add</i>	92.03	
<i>For Dynamic Damper, Add</i>	165.66	
23 33 13 19-0270 EA 44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	458.00	47.79
<i>For 3 Hour Rated, Add</i>	94.35	
<i>For Dynamic Damper, Add</i>	169.82	
23 33 13 19-0271 EA 44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	496.39	57.41
<i>For 3 Hour Rated, Add</i>	97.25	
<i>For Dynamic Damper, Add</i>	175.05	
23 33 13 19-0272 EA 44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	520.38	62.14
<i>For 3 Hour Rated, Add</i>	100.14	
<i>For Dynamic Damper, Add</i>	180.26	
23 33 13 19-0273 EA 44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	554.06	66.88
<i>For 3 Hour Rated, Add</i>	105.94	
<i>For Dynamic Damper, Add</i>	190.70	
23 33 13 19-0274 EA 44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	585.81	71.76
<i>For 3 Hour Rated, Add</i>	111.16	
<i>For Dynamic Damper, Add</i>	200.09	
23 33 13 19-0275 EA 44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	619.47	76.49
<i>For 3 Hour Rated, Add</i>	116.95	
<i>For Dynamic Damper, Add</i>	210.51	
23 33 13 19-0276 EA 44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	644.03	78.78
<i>For 3 Hour Rated, Add</i>	122.17	
<i>For Dynamic Damper, Add</i>	219.90	
23 33 13 19-0277 EA 44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	668.61	81.23
<i>For 3 Hour Rated, Add</i>	127.39	
<i>For Dynamic Damper, Add</i>	229.30	
23 33 13 19-0278 EA 44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	693.18	83.67
<i>For 3 Hour Rated, Add</i>	132.61	
<i>For Dynamic Damper, Add</i>	238.70	
23 33 13 19-0279 EA 48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	404.17	38.17
<i>For 3 Hour Rated, Add</i>	86.81	
<i>For Dynamic Damper, Add</i>	156.25	
23 33 13 19-0280 EA 48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	419.09	40.61
<i>For 3 Hour Rated, Add</i>	89.13	
<i>For Dynamic Damper, Add</i>	160.44	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0281	EA		48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	428.21	43.06
			<i>For 3 Hour Rated, Add</i> .....	89.72	
			<i>For Dynamic Damper, Add</i> .....	161.49	
23 33 13 19-0282	EA		48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	448.35	47.79
			<i>For 3 Hour Rated, Add</i> .....	91.45	
			<i>For Dynamic Damper, Add</i> .....	164.61	
23 33 13 19-0283	EA		48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	470.42	52.53
			<i>For 3 Hour Rated, Add</i> .....	93.77	
			<i>For Dynamic Damper, Add</i> .....	168.78	
23 33 13 19-0284	EA		48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	492.52	57.41
			<i>For 3 Hour Rated, Add</i> .....	96.09	
			<i>For Dynamic Damper, Add</i> .....	172.96	
23 33 13 19-0285	EA		48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	518.46	62.14
			<i>For 3 Hour Rated, Add</i> .....	99.57	
			<i>For Dynamic Damper, Add</i> .....	179.22	
23 33 13 19-0286	EA		48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	544.39	66.88
			<i>For 3 Hour Rated, Add</i> .....	103.04	
			<i>For Dynamic Damper, Add</i> .....	185.47	
23 33 13 19-0287	EA		48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	576.13	71.76
			<i>For 3 Hour Rated, Add</i> .....	108.26	
			<i>For Dynamic Damper, Add</i> .....	194.86	
23 33 13 19-0288	EA		48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	611.75	76.49
			<i>For 3 Hour Rated, Add</i> .....	114.64	
			<i>For Dynamic Damper, Add</i> .....	206.34	
23 33 13 19-0289	EA		48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	636.32	78.78
			<i>For 3 Hour Rated, Add</i> .....	119.86	
			<i>For Dynamic Damper, Add</i> .....	215.74	
23 33 13 19-0290	EA		48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	666.68	81.23
			<i>For 3 Hour Rated, Add</i> .....	126.81	
			<i>For Dynamic Damper, Add</i> .....	228.26	
23 33 13 19-0291	EA		48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	698.42	85.96
			<i>For 3 Hour Rated, Add</i> .....	132.03	
			<i>For Dynamic Damper, Add</i> .....	237.65	
23 33 13 19-0292	EA		48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	728.79	88.41
			<i>For 3 Hour Rated, Add</i> .....	138.98	
			<i>For Dynamic Damper, Add</i> .....	250.17	
23 33 13 19-0293	EA		48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	765.76	95.58
			<i>For 3 Hour Rated, Add</i> .....	143.62	
			<i>For Dynamic Damper, Add</i> .....	258.52	
23 33 13 19-0294	EA		52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	417.16	40.61
			<i>For 3 Hour Rated, Add</i> .....	88.55	
			<i>For Dynamic Damper, Add</i> .....	159.40	
23 33 13 19-0295	EA		52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	432.06	43.06
			<i>For 3 Hour Rated, Add</i> .....	90.87	
			<i>For Dynamic Damper, Add</i> .....	163.57	
23 33 13 19-0296	EA		52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	454.13	47.79
			<i>For 3 Hour Rated, Add</i> .....	93.19	
			<i>For Dynamic Damper, Add</i> .....	167.73	
23 33 13 19-0297	EA		52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	470.42	52.53
			<i>For 3 Hour Rated, Add</i> .....	93.77	
			<i>For Dynamic Damper, Add</i> .....	168.78	
23 33 13 19-0298	EA		52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	493.48	57.41
			<i>For 3 Hour Rated, Add</i> .....	96.38	
			<i>For Dynamic Damper, Add</i> .....	173.48	
23 33 13 19-0299	EA		52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	516.52	62.14
			<i>For 3 Hour Rated, Add</i> .....	98.99	
			<i>For Dynamic Damper, Add</i> .....	178.17	
23 33 13 19-0300	EA		52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	542.47	66.88
			<i>For 3 Hour Rated, Add</i> .....	102.47	
			<i>For Dynamic Damper, Add</i> .....	184.44	
23 33 13 19-0301	EA		52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	568.41	71.76
			<i>For 3 Hour Rated, Add</i> .....	105.94	
			<i>For Dynamic Damper, Add</i> .....	190.70	
23 33 13 19-0302	EA		52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	600.17	76.49
			<i>For 3 Hour Rated, Add</i> .....	111.16	
			<i>For Dynamic Damper, Add</i> .....	200.09	
23 33 13 19-0303	EA		52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	637.69	81.23
			<i>For 3 Hour Rated, Add</i> .....	118.11	
			<i>For Dynamic Damper, Add</i> .....	212.60	
23 33 13 19-0304	EA		52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	664.17	83.67
			<i>For 3 Hour Rated, Add</i> .....	123.91	
			<i>For Dynamic Damper, Add</i> .....	223.03	
23 33 13 19-0305	EA		52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	696.49	85.96
			<i>For 3 Hour Rated, Add</i> .....	131.45	
			<i>For Dynamic Damper, Add</i> .....	236.61	
23 33 13 19-0306	EA		52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	734.01	90.84
			<i>For 3 Hour Rated, Add</i> .....	138.40	
			<i>For Dynamic Damper, Add</i> .....	249.12	
23 33 13 19-0307	EA		52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	765.76	95.58
			<i>For 3 Hour Rated, Add</i> .....	143.62	
			<i>For Dynamic Damper, Add</i> .....	258.52	
23 33 13 19-0308	EA		52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	810.47	102.76
			<i>For 3 Hour Rated, Add</i> .....	150.58	
			<i>For Dynamic Damper, Add</i> .....	271.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0309 EA 52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	844.15	107.49
For 3 Hour Rated, Add	156.38	
For Dynamic Damper, Add	281.48	
23 33 13 19-0310 EA 56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	428.21	43.06
For 3 Hour Rated, Add	89.72	
For Dynamic Damper, Add	161.49	
23 33 13 19-0311 EA 56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	452.20	47.79
For 3 Hour Rated, Add	92.61	
For Dynamic Damper, Add	166.69	
23 33 13 19-0312 EA 56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	472.35	52.53
For 3 Hour Rated, Add	94.35	
For Dynamic Damper, Add	169.82	
23 33 13 19-0313 EA 56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	488.63	57.41
For 3 Hour Rated, Add	94.92	
For Dynamic Damper, Add	170.86	
23 33 13 19-0314 EA 56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	513.62	62.14
For 3 Hour Rated, Add	98.12	
For Dynamic Damper, Add	176.61	
23 33 13 19-0315 EA 56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	538.60	66.88
For 3 Hour Rated, Add	101.30	
For Dynamic Damper, Add	182.35	
23 33 13 19-0316 EA 56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	563.57	71.76
For 3 Hour Rated, Add	104.49	
For Dynamic Damper, Add	188.08	
23 33 13 19-0317 EA 56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	588.56	76.49
For 3 Hour Rated, Add	107.68	
For Dynamic Damper, Add	193.82	
23 33 13 19-0318 EA 56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	626.10	81.23
For 3 Hour Rated, Add	114.64	
For Dynamic Damper, Add	206.34	
23 33 13 19-0319 EA 56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	656.46	83.67
For 3 Hour Rated, Add	121.59	
For Dynamic Damper, Add	218.87	
23 33 13 19-0320 EA 56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	684.89	85.96
For 3 Hour Rated, Add	127.97	
For Dynamic Damper, Add	230.34	
23 33 13 19-0321 EA 56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	726.30	90.84
For 3 Hour Rated, Add	136.09	
For Dynamic Damper, Add	244.95	
23 33 13 19-0322 EA 56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	763.82	95.58
For 3 Hour Rated, Add	143.04	
For Dynamic Damper, Add	257.47	
23 33 13 19-0323 EA 56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	803.30	100.31
For 3 Hour Rated, Add	150.58	
For Dynamic Damper, Add	271.04	
23 33 13 19-0324 EA 56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	836.98	105.20
For 3 Hour Rated, Add	156.38	
For Dynamic Damper, Add	281.48	
23 33 13 19-0325 EA 56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	876.45	109.94
For 3 Hour Rated, Add	163.91	
For Dynamic Damper, Add	295.04	
23 33 13 19-0326 EA 56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	915.92	114.66
For 3 Hour Rated, Add	171.45	
For Dynamic Damper, Add	308.60	
23 33 13 19-0327 EA 60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	448.35	47.79
For 3 Hour Rated, Add	91.45	
For Dynamic Damper, Add	164.61	
23 33 13 19-0328 EA 60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	472.35	52.53
For 3 Hour Rated, Add	94.35	
For Dynamic Damper, Add	169.82	
23 33 13 19-0329 EA 60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	490.57	57.41
For 3 Hour Rated, Add	95.51	
For Dynamic Damper, Add	171.91	
23 33 13 19-0330 EA 60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	506.87	62.14
For 3 Hour Rated, Add	96.09	
For Dynamic Damper, Add	172.96	
23 33 13 19-0331 EA 60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	532.81	66.88
For 3 Hour Rated, Add	99.57	
For Dynamic Damper, Add	179.22	
23 33 13 19-0332 EA 60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	558.74	71.76
For 3 Hour Rated, Add	103.04	
For Dynamic Damper, Add	185.47	
23 33 13 19-0333 EA 60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	585.66	76.49
For 3 Hour Rated, Add	106.81	
For Dynamic Damper, Add	192.26	
23 33 13 19-0334 EA 60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	612.57	81.23
For 3 Hour Rated, Add	110.58	
For Dynamic Damper, Add	199.04	
23 33 13 19-0335 EA 60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	644.86	83.67
For 3 Hour Rated, Add	118.11	
For Dynamic Damper, Add	212.60	
23 33 13 19-0336 EA 60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	675.22	85.96
For 3 Hour Rated, Add	125.07	
For Dynamic Damper, Add	225.12	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0337 EA 60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	714.71	90.84
For 3 Hour Rated, Add	132.61	
For Dynamic Damper, Add	238.70	
23 33 13 19-0338 EA 60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	754.17	95.58
For 3 Hour Rated, Add	140.15	
For Dynamic Damper, Add	252.26	
23 33 13 19-0339 EA 60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	787.84	100.31
For 3 Hour Rated, Add	145.94	
For Dynamic Damper, Add	262.69	
23 33 13 19-0340 EA 60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	833.10	105.20
For 3 Hour Rated, Add	155.21	
For Dynamic Damper, Add	279.38	
23 33 13 19-0341 EA 60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	874.51	109.94
For 3 Hour Rated, Add	163.33	
For Dynamic Damper, Add	293.99	
23 33 13 19-0342 EA 60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	915.92	114.66
For 3 Hour Rated, Add	171.45	
For Dynamic Damper, Add	308.60	
23 33 13 19-0343 EA 60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	953.43	119.55
For 3 Hour Rated, Add	178.40	
For Dynamic Damper, Add	321.11	
23 33 13 19-0344 EA 60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	991.00	124.29
For 3 Hour Rated, Add	185.36	
For Dynamic Damper, Add	333.64	

**23 33 13 23 Backdraft Dampers (23 33 13)****23 33 13 23-0001 Horizontally Mounted Backdraft Damper (23 33 13 23)**

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002 EA 6" x 6" Horizontally Mounted Backdraft Damper .....	91.79	15.93
23 33 13 23-0003 EA 8" x 6" Horizontally Mounted Backdraft Damper .....	108.61	16.65
23 33 13 23-0004 EA 8" x 8" Horizontally Mounted Backdraft Damper .....	128.44	16.79
23 33 13 23-0005 EA 10" x 6" Horizontally Mounted Backdraft Damper .....	123.56	16.79
23 33 13 23-0006 EA 10" x 8" Horizontally Mounted Backdraft Damper .....	119.18	17.23
23 33 13 23-0007 EA 10" x 10" Horizontally Mounted Backdraft Damper .....	141.79	19.09
23 33 13 23-0008 EA 12" x 6" Horizontally Mounted Backdraft Damper .....	112.43	17.23
23 33 13 23-0009 EA 12" x 8" Horizontally Mounted Backdraft Damper .....	138.42	19.09
23 33 13 23-0010 EA 12" x 10" Horizontally Mounted Backdraft Damper .....	134.01	20.09
23 33 13 23-0011 EA 12" x 12" Horizontally Mounted Backdraft Damper .....	153.08	21.53
23 33 13 23-0012 EA 14" x 6" Horizontally Mounted Backdraft Damper .....	125.41	18.23
23 33 13 23-0013 EA 14" x 8" Horizontally Mounted Backdraft Damper .....	129.09	20.09
23 33 13 23-0014 EA 14" x 10" Horizontally Mounted Backdraft Damper .....	150.63	21.53
23 33 13 23-0015 EA 14" x 12" Horizontally Mounted Backdraft Damper .....	137.95	23.96
23 33 13 23-0016 EA 14" x 14" Horizontally Mounted Backdraft Damper .....	156.16	26.26
23 33 13 23-0017 EA 16" x 6" Horizontally Mounted Backdraft Damper .....	138.42	19.09
23 33 13 23-0018 EA 16" x 8" Horizontally Mounted Backdraft Damper .....	143.24	21.53
23 33 13 23-0019 EA 16" x 10" Horizontally Mounted Backdraft Damper .....	134.80	23.96
23 33 13 23-0020 EA 16" x 12" Horizontally Mounted Backdraft Damper .....	147.40	23.96
23 33 13 23-0021 EA 16" x 14" Horizontally Mounted Backdraft Damper .....	167.19	26.26
23 33 13 23-0022 EA 16" x 16" Horizontally Mounted Backdraft Damper .....	186.96	28.70
23 33 13 23-0023 EA 18" x 6" Horizontally Mounted Backdraft Damper .....	126.64	20.09
23 33 13 23-0024 EA 18" x 8" Horizontally Mounted Backdraft Damper .....	121.30	21.53
23 33 13 23-0025 EA 18" x 10" Horizontally Mounted Backdraft Damper .....	142.66	23.96
23 33 13 23-0026 EA 18" x 12" Horizontally Mounted Backdraft Damper .....	164.02	26.26
23 33 13 23-0027 EA 18" x 14" Horizontally Mounted Backdraft Damper .....	185.37	28.70
23 33 13 23-0028 EA 18" x 16" Horizontally Mounted Backdraft Damper .....	210.37	31.00
23 33 13 23-0029 EA 18" x 18" Horizontally Mounted Backdraft Damper .....	239.35	35.88
23 33 13 23-0030 EA 18" x 20" Horizontally Mounted Backdraft Damper .....	203.58	38.17
23 33 13 23-0031 EA 18" x 24" Horizontally Mounted Backdraft Damper .....	235.67	43.06
23 33 13 23-0032 EA 20" x 6" Horizontally Mounted Backdraft Damper .....	138.32	21.53
23 33 13 23-0033 EA 20" x 8" Horizontally Mounted Backdraft Damper .....	134.80	23.96
23 33 13 23-0034 EA 20" x 10" Horizontally Mounted Backdraft Damper .....	157.72	26.26
23 33 13 23-0035 EA 20" x 12" Horizontally Mounted Backdraft Damper .....	180.66	28.70
23 33 13 23-0036 EA 20" x 14" Horizontally Mounted Backdraft Damper .....	207.11	31.00
23 33 13 23-0037 EA 20" x 16" Horizontally Mounted Backdraft Damper .....	230.55	33.43
23 33 13 23-0038 EA 20" x 18" Horizontally Mounted Backdraft Damper .....	203.58	38.17
23 33 13 23-0039 EA 20" x 20" Horizontally Mounted Backdraft Damper .....	213.43	38.17
23 33 13 23-0040 EA 20" x 24" Horizontally Mounted Backdraft Damper .....	247.50	43.06
23 33 13 23-0041 EA 20" x 28" Horizontally Mounted Backdraft Damper .....	281.57	47.79
23 33 13 23-0042 EA 20" x 32" Horizontally Mounted Backdraft Damper .....	270.56	52.53
23 33 13 23-0043 EA 20" x 36" Horizontally Mounted Backdraft Damper .....	299.00	57.41
23 33 13 23-0044 EA 24" x 6" Horizontally Mounted Backdraft Damper .....	128.48	23.96
23 33 13 23-0045 EA 24" x 8" Horizontally Mounted Backdraft Damper .....	154.58	26.26
23 33 13 23-0046 EA 24" x 10" Horizontally Mounted Backdraft Damper .....	180.66	28.70
23 33 13 23-0047 EA 24" x 12" Horizontally Mounted Backdraft Damper .....	210.37	31.00
23 33 13 23-0048 EA 24" x 14" Horizontally Mounted Backdraft Damper .....	190.47	35.88
23 33 13 23-0049 EA 24" x 16" Horizontally Mounted Backdraft Damper .....	209.48	38.17
23 33 13 23-0050 EA 24" x 18" Horizontally Mounted Backdraft Damper .....	235.67	43.06
23 33 13 23-0051 EA 24" x 20" Horizontally Mounted Backdraft Damper .....	247.50	43.06
23 33 13 23-0052 EA 24" x 24" Horizontally Mounted Backdraft Damper .....	285.52	47.79
23 33 13 23-0053 EA 24" x 28" Horizontally Mounted Backdraft Damper .....	276.18	52.53
23 33 13 23-0054 EA 24" x 32" Horizontally Mounted Backdraft Damper .....	307.46	57.41





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0055 EA 24" x 36" Horizontally Mounted Backdraft Damper.....	338.71	62.14
23 33 13 23-0056 EA 24" x 40" Horizontally Mounted Backdraft Damper.....	336.16	66.88
23 33 13 23-0057 EA 24" x 44" Horizontally Mounted Backdraft Damper.....	364.03	71.76
23 33 13 23-0058 EA 24" x 48" Horizontally Mounted Backdraft Damper.....	377.55	71.76
23 33 13 23-0059 EA 28" x 6" Horizontally Mounted Backdraft Damper.....	137.95	23.96
23 33 13 23-0060 EA 28" x 8" Horizontally Mounted Backdraft Damper.....	167.19	26.26
23 33 13 23-0061 EA 28" x 10" Horizontally Mounted Backdraft Damper.....	207.11	31.00
23 33 13 23-0062 EA 28" x 12" Horizontally Mounted Backdraft Damper.....	190.47	35.88
23 33 13 23-0063 EA 28" x 14" Horizontally Mounted Backdraft Damper.....	211.46	38.17
23 33 13 23-0064 EA 28" x 16" Horizontally Mounted Backdraft Damper.....	239.62	43.06
23 33 13 23-0065 EA 28" x 18" Horizontally Mounted Backdraft Damper.....	267.78	47.79
23 33 13 23-0066 EA 28" x 20" Horizontally Mounted Backdraft Damper.....	281.57	47.79
23 33 13 23-0067 EA 28" x 24" Horizontally Mounted Backdraft Damper.....	276.18	52.53
23 33 13 23-0068 EA 28" x 28" Horizontally Mounted Backdraft Damper.....	310.28	57.41
23 33 13 23-0069 EA 28" x 32" Horizontally Mounted Backdraft Damper.....	344.34	62.14
23 33 13 23-0070 EA 28" x 36" Horizontally Mounted Backdraft Damper.....	357.26	71.76
23 33 13 23-0071 EA 28" x 40" Horizontally Mounted Backdraft Damper.....	373.04	71.76
23 33 13 23-0072 EA 28" x 44" Horizontally Mounted Backdraft Damper.....	403.17	76.49
23 33 13 23-0073 EA 28" x 48" Horizontally Mounted Backdraft Damper.....	433.31	81.23
23 33 13 23-0074 EA 28" x 52" Horizontally Mounted Backdraft Damper.....	449.09	81.23
23 33 13 23-0075 EA 28" x 56" Horizontally Mounted Backdraft Damper.....	451.61	85.96
23 33 13 23-0076 EA 28" x 60" Horizontally Mounted Backdraft Damper.....	465.40	85.96
23 33 13 23-0077 EA 32" x 6" Horizontally Mounted Backdraft Damper.....	154.58	26.26
23 33 13 23-0078 EA 32" x 8" Horizontally Mounted Backdraft Damper.....	197.36	31.00
23 33 13 23-0079 EA 32" x 10" Horizontally Mounted Backdraft Damper.....	230.55	33.43
23 33 13 23-0080 EA 32" x 12" Horizontally Mounted Backdraft Damper.....	209.48	38.17
23 33 13 23-0081 EA 32" x 14" Horizontally Mounted Backdraft Damper.....	239.62	43.06
23 33 13 23-0082 EA 32" x 16" Horizontally Mounted Backdraft Damper.....	269.73	47.79
23 33 13 23-0083 EA 32" x 18" Horizontally Mounted Backdraft Damper.....	244.93	47.79
23 33 13 23-0084 EA 32" x 20" Horizontally Mounted Backdraft Damper.....	270.56	52.53
23 33 13 23-0085 EA 32" x 24" Horizontally Mounted Backdraft Damper.....	307.46	57.41
23 33 13 23-0086 EA 32" x 28" Horizontally Mounted Backdraft Damper.....	344.34	62.14
23 33 13 23-0087 EA 32" x 32" Horizontally Mounted Backdraft Damper.....	359.52	71.76
23 33 13 23-0088 EA 32" x 36" Horizontally Mounted Backdraft Damper.....	377.55	71.76
23 33 13 23-0089 EA 32" x 40" Horizontally Mounted Backdraft Damper.....	409.94	76.49
23 33 13 23-0090 EA 32" x 44" Horizontally Mounted Backdraft Damper.....	442.32	81.23
23 33 13 23-0091 EA 32" x 48" Horizontally Mounted Backdraft Damper.....	447.66	85.96
23 33 13 23-0092 EA 32" x 52" Horizontally Mounted Backdraft Damper.....	463.44	85.96
23 33 13 23-0093 EA 32" x 56" Horizontally Mounted Backdraft Damper.....	493.56	90.84
23 33 13 23-0094 EA 32" x 60" Horizontally Mounted Backdraft Damper.....	509.34	90.84
23 33 13 23-0095 EA 32" x 64" Horizontally Mounted Backdraft Damper.....	503.39	95.58
23 33 13 23-0096 EA 32" x 68" Horizontally Mounted Backdraft Damper.....	516.91	95.58
23 33 13 23-0097 EA 32" x 72" Horizontally Mounted Backdraft Damper.....	544.79	100.31
23 33 13 23-0098 EA 36" x 6" Horizontally Mounted Backdraft Damper.....	164.02	26.26
23 33 13 23-0099 EA 36" x 8" Horizontally Mounted Backdraft Damper.....	217.55	33.43
23 33 13 23-0100 EA 36" x 10" Horizontally Mounted Backdraft Damper.....	203.58	38.17
23 33 13 23-0101 EA 36" x 12" Horizontally Mounted Backdraft Damper.....	235.67	43.06
23 33 13 23-0102 EA 36" x 14" Horizontally Mounted Backdraft Damper.....	267.78	47.79
23 33 13 23-0103 EA 36" x 16" Horizontally Mounted Backdraft Damper.....	244.93	47.79
23 33 13 23-0104 EA 36" x 18" Horizontally Mounted Backdraft Damper.....	271.96	52.53
23 33 13 23-0105 EA 36" x 20" Horizontally Mounted Backdraft Damper.....	299.00	57.41
23 33 13 23-0106 EA 36" x 24" Horizontally Mounted Backdraft Damper.....	338.71	62.14
23 33 13 23-0107 EA 36" x 28" Horizontally Mounted Backdraft Damper.....	357.26	71.76
23 33 13 23-0108 EA 36" x 32" Horizontally Mounted Backdraft Damper.....	377.55	71.76
23 33 13 23-0109 EA 36" x 36" Horizontally Mounted Backdraft Damper.....	412.18	76.49
23 33 13 23-0110 EA 36" x 40" Horizontally Mounted Backdraft Damper.....	446.83	81.23
23 33 13 23-0111 EA 36" x 44" Horizontally Mounted Backdraft Damper.....	453.56	85.96
23 33 13 23-0112 EA 36" x 48" Horizontally Mounted Backdraft Damper.....	485.67	90.84
23 33 13 23-0113 EA 36" x 52" Horizontally Mounted Backdraft Damper.....	503.41	90.84
23 33 13 23-0114 EA 36" x 56" Horizontally Mounted Backdraft Damper.....	500.01	95.58
23 33 13 23-0115 EA 36" x 60" Horizontally Mounted Backdraft Damper.....	515.22	95.58
23 33 13 23-0116 EA 36" x 64" Horizontally Mounted Backdraft Damper.....	544.79	100.31
23 33 13 23-0117 EA 36" x 68" Horizontally Mounted Backdraft Damper.....	560.00	100.31
23 33 13 23-0118 EA 36" x 72" Horizontally Mounted Backdraft Damper.....	575.23	100.31
23 33 13 23-0119 EA 40" x 6" Horizontally Mounted Backdraft Damper.....	180.66	28.70
23 33 13 23-0120 EA 40" x 8" Horizontally Mounted Backdraft Damper.....	237.72	35.88
23 33 13 23-0121 EA 40" x 10" Horizontally Mounted Backdraft Damper.....	213.43	38.17
23 33 13 23-0122 EA 40" x 12" Horizontally Mounted Backdraft Damper.....	247.50	43.06
23 33 13 23-0123 EA 40" x 14" Horizontally Mounted Backdraft Damper.....	281.57	47.79
23 33 13 23-0124 EA 40" x 16" Horizontally Mounted Backdraft Damper.....	270.56	52.53
23 33 13 23-0125 EA 40" x 18" Horizontally Mounted Backdraft Damper.....	299.00	57.41
23 33 13 23-0126 EA 40" x 20" Horizontally Mounted Backdraft Damper.....	327.43	62.14
23 33 13 23-0127 EA 40" x 24" Horizontally Mounted Backdraft Damper.....	336.16	66.88
23 33 13 23-0128 EA 40" x 28" Horizontally Mounted Backdraft Damper.....	373.04	71.76
23 33 13 23-0129 EA 40" x 32" Horizontally Mounted Backdraft Damper.....	409.94	76.49
23 33 13 23-0130 EA 40" x 36" Horizontally Mounted Backdraft Damper.....	446.83	81.23
23 33 13 23-0131 EA 40" x 40" Horizontally Mounted Backdraft Damper.....	455.54	85.96
23 33 13 23-0132 EA 40" x 44" Horizontally Mounted Backdraft Damper.....	489.60	90.84
23 33 13 23-0133 EA 40" x 48" Horizontally Mounted Backdraft Damper.....	509.34	90.84
23 33 13 23-0134 EA 40" x 50" Horizontally Mounted Backdraft Damper.....	498.33	95.58
23 33 13 23-0135 EA 44" x 6" Horizontally Mounted Backdraft Damper.....	200.61	31.00

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 33 13 23-0136	EA	44" x 8" Horizontally Mounted Backdraft Damper	201.60	38.17
23 33 13 23-0137	EA	44" x 10" Horizontally Mounted Backdraft Damper	237.64	43.06
23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	273.69	47.79
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	266.32	52.53
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	296.18	57.41
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	311.68	57.41
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	341.52	62.14
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	364.03	71.76
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	403.17	76.49
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	442.32	81.23
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	453.56	85.96
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	489.60	90.84
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	511.30	90.84
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	510.16	95.58
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	519.44	95.58
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	217.55	33.43
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	209.48	38.17
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	247.50	43.06
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	244.93	47.79
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	276.18	52.53
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	307.46	57.41
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	338.71	62.14
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	336.16	66.88
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	377.55	71.76
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	433.31	81.23
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	447.66	85.96
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	485.67	90.84
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	509.34	90.84
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	510.16	95.58
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	544.79	100.31
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	554.94	100.31
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	222.42	33.43
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	227.78	43.06
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	266.79	47.79
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	263.50	52.53
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	295.48	57.41
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	327.43	62.14
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	359.39	66.88
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	356.13	71.76
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	398.66	76.49
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	441.19	81.23
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	455.54	85.96
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	494.54	90.84
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	498.33	95.58
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	519.44	95.58
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	554.94	100.31
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	565.50	100.31

## 23 33 13 23-0183

Vertically Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	98.46	15.93
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	117.52	16.65
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	120.62	16.79
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	125.31	16.79
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	136.13	17.23
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	151.26	19.09
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	150.21	17.23
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	170.03	19.09
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	172.89	20.09
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	181.89	21.53
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	147.14	18.23
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	156.32	20.09
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	167.49	21.53
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	174.67	23.96
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	188.70	26.26
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	177.46	19.09
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper	188.07	21.53
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper	170.06	23.96
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper	170.06	23.96
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper	188.14	26.26
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper	195.31	28.70
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper	174.93	20.09
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper	179.24	21.53
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper	194.61	23.96
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper	209.98	26.26
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper	217.15	28.70
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper	224.32	31.00
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper	241.41	35.88
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper	241.84	38.17
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper	266.35	43.06



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0214	EA		36" x 6" Vertically Mounted Backdraft Damper .....	201.77	21.53
23 33 13 23-0215	EA		16" x 14" Vertically Mounted Backdraft Damper .....	214.04	23.96
23 33 13 23-0216	EA		28" x 8" Vertically Mounted Backdraft Damper .....	221.22	26.26
23 33 13 23-0217	EA		20" x 12" Vertically Mounted Backdraft Damper .....	238.53	28.70
23 33 13 23-0218	EA		24" x 10" Vertically Mounted Backdraft Damper .....	245.70	31.00
23 33 13 23-0219	EA		40" x 6" Vertically Mounted Backdraft Damper .....	252.88	33.43
23 33 13 23-0220	EA		18" x 14" Vertically Mounted Backdraft Damper .....	274.87	38.17
23 33 13 23-0221	EA		16" x 16" Vertically Mounted Backdraft Damper .....	277.40	38.17
23 33 13 23-0222	EA		32" x 8" Vertically Mounted Backdraft Damper .....	291.75	43.06
23 33 13 23-0223	EA		44" x 6" Vertically Mounted Backdraft Damper .....	311.18	47.79
23 33 13 23-0224	EA		20" x 14" Vertically Mounted Backdraft Damper .....	335.70	52.53
23 33 13 23-0225	EA		28" x 10" Vertically Mounted Backdraft Damper .....	350.06	57.41
23 33 13 23-0226	EA		18" x 16" Vertically Mounted Backdraft Damper .....	254.68	23.96
23 33 13 23-0227	EA		24" x 12" Vertically Mounted Backdraft Damper .....	261.86	26.26
23 33 13 23-0228	EA		36" x 8" Vertically Mounted Backdraft Damper .....	269.03	28.70
23 33 13 23-0229	EA		48" x 6" Vertically Mounted Backdraft Damper .....	276.20	31.00
23 33 13 23-0230	EA		50" x 6" Vertically Mounted Backdraft Damper .....	298.17	35.88
23 33 13 23-0231	EA		20" x 16" Vertically Mounted Backdraft Damper .....	318.05	38.17
23 33 13 23-0232	EA		32" x 10" Vertically Mounted Backdraft Damper .....	332.40	43.06
23 33 13 23-0233	EA		40" x 8" Vertically Mounted Backdraft Damper .....	332.40	43.06
23 33 13 23-0234	EA		18" x 18" Vertically Mounted Backdraft Damper .....	306.10	47.79
23 33 13 23-0235	EA		24" x 14" Vertically Mounted Backdraft Damper .....	297.87	52.53
23 33 13 23-0236	EA		28" x 12" Vertically Mounted Backdraft Damper .....	312.23	57.41
23 33 13 23-0237	EA		44" x 8" Vertically Mounted Backdraft Damper .....	333.25	62.14
23 33 13 23-0238	EA		18" x 20" Vertically Mounted Backdraft Damper .....	350.94	66.88
23 33 13 23-0239	EA		20" x 18" Vertically Mounted Backdraft Damper .....	365.29	71.76
23 33 13 23-0240	EA		36" x 10" Vertically Mounted Backdraft Damper .....	365.29	71.76
23 33 13 23-0241	EA		24" x 16" Vertically Mounted Backdraft Damper .....	231.78	23.96
23 33 13 23-0242	EA		32" x 12" Vertically Mounted Backdraft Damper .....	238.96	26.26
23 33 13 23-0243	EA		48" x 8" Vertically Mounted Backdraft Damper .....	253.30	31.00
23 33 13 23-0244	EA		28" x 14" Vertically Mounted Backdraft Damper .....	270.98	35.88
23 33 13 23-0245	EA		20" x 20" Vertically Mounted Backdraft Damper .....	281.50	38.17
23 33 13 23-0246	EA		40" x 10" Vertically Mounted Backdraft Damper .....	295.85	43.06
23 33 13 23-0247	EA		50" x 8" Vertically Mounted Backdraft Damper .....	310.20	47.79
23 33 13 23-0248	EA		18" x 24" Vertically Mounted Backdraft Damper .....	323.53	47.79
23 33 13 23-0249	EA		24" x 18" Vertically Mounted Backdraft Damper .....	337.88	52.53
23 33 13 23-0250	EA		36" x 12" Vertically Mounted Backdraft Damper .....	352.24	57.41
23 33 13 23-0251	EA		44" x 10" Vertically Mounted Backdraft Damper .....	369.93	62.14
23 33 13 23-0252	EA		28" x 16" Vertically Mounted Backdraft Damper .....	401.96	71.76
23 33 13 23-0253	EA		32" x 14" Vertically Mounted Backdraft Damper .....	401.96	71.76
23 33 13 23-0254	EA		20" x 24" Vertically Mounted Backdraft Damper .....	431.32	76.49
23 33 13 23-0255	EA		24" x 20" Vertically Mounted Backdraft Damper .....	414.97	81.23
23 33 13 23-0256	EA		40" x 12" Vertically Mounted Backdraft Damper .....	414.97	81.23
23 33 13 23-0257	EA		48" x 10" Vertically Mounted Backdraft Damper .....	429.32	85.96
23 33 13 23-0258	EA		50" x 10" Vertically Mounted Backdraft Damper .....	436.44	85.96
23 33 13 23-0259	EA		28" x 18" Vertically Mounted Backdraft Damper .....	258.47	26.26
23 33 13 23-0260	EA		36" x 14" Vertically Mounted Backdraft Damper .....	272.81	31.00
23 33 13 23-0261	EA		32" x 16" Vertically Mounted Backdraft Damper .....	282.85	33.43
23 33 13 23-0262	EA		44" x 12" Vertically Mounted Backdraft Damper .....	302.88	38.17
23 33 13 23-0263	EA		20" x 28" Vertically Mounted Backdraft Damper .....	328.63	43.06
23 33 13 23-0264	EA		28" x 20" Vertically Mounted Backdraft Damper .....	342.98	47.79
23 33 13 23-0265	EA		40" x 14" Vertically Mounted Backdraft Damper .....	342.98	47.79
23 33 13 23-0266	EA		24" x 24" Vertically Mounted Backdraft Damper .....	363.03	52.53
23 33 13 23-0267	EA		32" x 18" Vertically Mounted Backdraft Damper .....	377.39	57.41
23 33 13 23-0268	EA		36" x 16" Vertically Mounted Backdraft Damper .....	391.74	62.14
23 33 13 23-0269	EA		48" x 12" Vertically Mounted Backdraft Damper .....	420.44	71.76
23 33 13 23-0270	EA		50" x 12" Vertically Mounted Backdraft Damper .....	429.00	71.76
23 33 13 23-0271	EA		44" x 14" Vertically Mounted Backdraft Damper .....	449.07	76.49
23 33 13 23-0272	EA		20" x 32" Vertically Mounted Backdraft Damper .....	471.96	81.23
23 33 13 23-0273	EA		32" x 20" Vertically Mounted Backdraft Damper .....	486.31	85.96
23 33 13 23-0274	EA		40" x 16" Vertically Mounted Backdraft Damper .....	486.31	85.96
23 33 13 23-0275	EA		36" x 18" Vertically Mounted Backdraft Damper .....	503.50	90.84
23 33 13 23-0276	EA		24" x 28" Vertically Mounted Backdraft Damper .....	513.48	90.84
23 33 13 23-0277	EA		28" x 24" Vertically Mounted Backdraft Damper .....	507.18	95.58
23 33 13 23-0278	EA		48" x 14" Vertically Mounted Backdraft Damper .....	507.18	95.58
23 33 13 23-0279	EA		50" x 14" Vertically Mounted Backdraft Damper .....	530.71	100.31
23 33 13 23-0280	EA		44" x 16" Vertically Mounted Backdraft Damper .....	309.57	26.26
23 33 13 23-0281	EA		20" x 36" Vertically Mounted Backdraft Damper .....	336.34	33.43
23 33 13 23-0282	EA		36" x 20" Vertically Mounted Backdraft Damper .....	350.69	38.17
23 33 13 23-0283	EA		40" x 18" Vertically Mounted Backdraft Damper .....	365.04	43.06
23 33 13 23-0284	EA		24" x 32" Vertically Mounted Backdraft Damper .....	395.11	47.79
23 33 13 23-0285	EA		32" x 24" Vertically Mounted Backdraft Damper .....	395.11	47.79
23 33 13 23-0286	EA		48" x 16" Vertically Mounted Backdraft Damper .....	409.46	52.53
23 33 13 23-0287	EA		28" x 28" Vertically Mounted Backdraft Damper .....	429.07	57.41
23 33 13 23-0288	EA		44" x 18" Vertically Mounted Backdraft Damper .....	446.04	62.14
23 33 13 23-0289	EA		40" x 20" Vertically Mounted Backdraft Damper .....	477.35	71.76
23 33 13 23-0290	EA		50" x 16" Vertically Mounted Backdraft Damper .....	477.35	71.76
23 33 13 23-0291	EA		24" x 36" Vertically Mounted Backdraft Damper .....	512.68	76.49
23 33 13 23-0292	EA		36" x 24" Vertically Mounted Backdraft Damper .....	527.03	81.23
23 33 13 23-0293	EA		48" x 18" Vertically Mounted Backdraft Damper .....	541.38	85.96
23 33 13 23-0294	EA		44" x 20" Vertically Mounted Backdraft Damper .....	560.98	90.84

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 33 13 23-0295	EA	28" x 32" Vertically Mounted Backdraft Damper	566.23	90.84
23 33 13 23-0296	EA	32" x 28" Vertically Mounted Backdraft Damper	580.57	95.58
23 33 13 23-0297	EA	50" x 18" Vertically Mounted Backdraft Damper	581.86	95.58
23 33 13 23-0298	EA	24" x 40" Vertically Mounted Backdraft Damper	615.88	100.31
23 33 13 23-0299	EA	40" x 24" Vertically Mounted Backdraft Damper	615.88	100.31
23 33 13 23-0300	EA	48" x 20" Vertically Mounted Backdraft Damper	615.88	100.31
23 33 13 23-0301	EA	50" x 20" Vertically Mounted Backdraft Damper	413.72	28.70
23 33 13 23-0302	EA	28" x 36" Vertically Mounted Backdraft Damper	437.85	35.88
23 33 13 23-0303	EA	36" x 28" Vertically Mounted Backdraft Damper	445.03	38.17
23 33 13 23-0304	EA	32" x 32" Vertically Mounted Backdraft Damper	464.63	43.06
23 33 13 23-0305	EA	24" x 44" Vertically Mounted Backdraft Damper	452.06	47.79
23 33 13 23-0306	EA	44" x 24" Vertically Mounted Backdraft Damper	466.41	52.53
23 33 13 23-0307	EA	28" x 40" Vertically Mounted Backdraft Damper	499.46	57.41
23 33 13 23-0308	EA	40" x 28" Vertically Mounted Backdraft Damper	513.81	62.14
23 33 13 23-0309	EA	24" x 48" Vertically Mounted Backdraft Damper	537.52	66.88
23 33 13 23-0310	EA	32" x 36" Vertically Mounted Backdraft Damper	551.87	71.76
23 33 13 23-0311	EA	36" x 32" Vertically Mounted Backdraft Damper	566.23	76.49
23 33 13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper	580.58	81.23
23 33 13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper	608.95	85.96
23 33 13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper	632.64	90.84
23 33 13 23-0315	EA	44" x 28" Vertically Mounted Backdraft Damper	632.64	90.84
23 33 13 23-0316	EA	32" x 40" Vertically Mounted Backdraft Damper	661.02	95.58
23 33 13 23-0317	EA	40" x 32" Vertically Mounted Backdraft Damper	467.28	31.00
23 33 13 23-0318	EA	36" x 36" Vertically Mounted Backdraft Damper	493.48	38.17
23 33 13 23-0319	EA	28" x 48" Vertically Mounted Backdraft Damper	521.85	43.06
23 33 13 23-0320	EA	48" x 28" Vertically Mounted Backdraft Damper	536.20	47.79
23 33 13 23-0321	EA	50" x 28" Vertically Mounted Backdraft Damper	566.91	52.53
23 33 13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper	583.61	57.41
23 33 13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper	583.61	57.41
23 33 13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper	608.48	62.14
23 33 13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper	593.94	71.76
23 33 13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper	612.50	76.49
23 33 13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper	647.88	81.23
23 33 13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper	662.23	85.96
23 33 13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper	685.00	90.84
23 33 13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper	689.22	90.84
23 33 13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper	703.56	95.58
23 33 13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper	707.76	95.58
23 33 13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper	521.20	33.43
23 33 13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper	552.38	38.17
23 33 13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper	570.93	43.06
23 33 13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper	597.92	47.79
23 33 13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper	612.27	52.53
23 33 13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper	635.05	57.41
23 33 13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper	649.40	62.14
23 33 13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper	672.14	66.88
23 33 13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper	636.01	71.76
23 33 13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper	681.55	81.23
23 33 13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper	707.12	85.96
23 33 13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper	721.47	90.84
23 33 13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper	721.47	90.84
23 33 13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper	739.56	95.58
23 33 13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper	768.88	100.31
23 33 13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper	768.88	100.31
23 33 13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper	571.68	33.43
23 33 13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper	607.88	43.06
23 33 13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper	637.19	47.79
23 33 13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper	651.54	52.53
23 33 13 23-0353	EA	36" x 60" Vertically Mounted Backdraft Damper	677.11	57.41
23 33 13 23-0354	EA	32" x 68" Vertically Mounted Backdraft Damper	695.21	62.14
23 33 13 23-0355	EA	44" x 50" Vertically Mounted Backdraft Damper	650.88	66.88
23 33 13 23-0356	EA	50" x 44" Vertically Mounted Backdraft Damper	665.23	71.76
23 33 13 23-0357	EA	32" x 72" Vertically Mounted Backdraft Damper	700.85	76.49
23 33 13 23-0358	EA	36" x 64" Vertically Mounted Backdraft Damper	715.20	81.23
23 33 13 23-0359	EA	48" x 48" Vertically Mounted Backdraft Damper	729.55	85.96
23 33 13 23-0360	EA	48" x 50" Vertically Mounted Backdraft Damper	763.54	90.84
23 33 13 23-0361	EA	50" x 48" Vertically Mounted Backdraft Damper	777.88	95.58
23 33 13 23-0362	EA	36" x 68" Vertically Mounted Backdraft Damper	787.70	95.58
23 33 13 23-0363	EA	50" x 50" Vertically Mounted Backdraft Damper	812.70	100.31
23 33 13 23-0364	EA	36" x 72" Vertically Mounted Backdraft Damper	831.51	100.31

**23 33 13 23-0365 Backdraft Damper Accessories (23 33 13 23)**

23 33 13 23-0366	EA	For Motor Pack For Horizontally Mounted Backdraft Damper	202.49	26.13
23 33 13 23-0367	EA	For Motor Pack For Vertically Mounted Backdraft Damper	340.38	26.13

**23 33 13 33 Splitter Damper Hardware (23 33 13)**

23 33 13 33-0001	EA	Splitter Damper, Hardware	48.23	10.03
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 33 13 43 Blower Check Valve (23 33 13)**

**23 33 13 43-0001 Blower Check Valves With Silicone Seals (23 33 13 43)**

23 33 13 43-0002	EA	2-1/2" Blower Check Valves, Silicone Seals	231.31	37.02
23 33 13 43-0003	EA	3" Blower Check Valves, Silicone Seals	258.78	42.19
23 33 13 43-0004	EA	4" Blower Check Valves, Silicone Seals	333.45	55.97
23 33 13 43-0005	EA	5" Blower Check Valves, Silicone Seals	453.11	64.58
23 33 13 43-0006	EA	6" Blower Check Valves, Silicone Seals	510.77	77.50
23 33 13 43-0007	EA	8" Blower Check Valves, Silicone Seals	750.94	98.16

**23 33 13 43-0008 Blower Check Valves With Viton Seats (23 33 13 43)**

23 33 13 43-0009	EA	2-1/2" Blower Check Valves, Viton Seats	311.39	37.02
23 33 13 43-0010	EA	3" Blower Check Valves, Viton Seats	353.96	42.19
23 33 13 43-0011	EA	4" Blower Check Valves, Viton Seats	399.72	55.97
23 33 13 43-0012	EA	5" Blower Check Valves, Viton Seats	552.33	64.58
23 33 13 43-0013	EA	6" Blower Check Valves, Viton Seats	620.29	77.50
23 33 13 43-0014	EA	8" Blower Check Valves, Viton Seats	944.68	98.16

**23 33 19 Duct Silencers (23 33)**

**23 33 19 00-0001 36" Long Packaged Duct Sound Trap (23 33 19)**

23 33 19 00-0002	EA	12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	400.49	58.75
23 33 19 00-0003	EA	12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	479.76	67.34
23 33 19 00-0004	EA	12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	615.63	77.38
23 33 19 00-0005	EA	12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	743.96	87.41
23 33 19 00-0006	EA	24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	692.67	87.41
23 33 19 00-0007	EA	24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	872.54	91.70
23 33 19 00-0008	EA	24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	961.28	97.43
23 33 19 00-0009	EA	24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,052.90	103.17
23 33 19 00-0010	EA	24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,368.47	117.49
23 33 19 00-0011	EA	36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	870.73	97.43
23 33 19 00-0012	EA	36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,166.23	117.49
23 33 19 00-0013	EA	36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,032.70	157.61
23 33 19 00-0014	EA	36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,243.05	166.21
23 33 19 00-0015	EA	48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,500.41	179.11
23 33 19 00-0016	EA	48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,804.01	194.87

**23 33 19 00-0017 60" Long Packaged Duct Sound Trap (23 33 19)**

23 33 19 00-0018	EA	12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	446.57	128.96
23 33 19 00-0019	EA	12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	536.58	149.01
23 33 19 00-0020	EA	12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	690.33	171.94
23 33 19 00-0021	EA	12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	834.31	193.43
23 33 19 00-0022	EA	24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	776.00	193.43
23 33 19 00-0023	EA	24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	982.24	204.89
23 33 19 00-0024	EA	24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,078.17	214.92
23 33 19 00-0025	EA	24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,176.26	226.39
23 33 19 00-0026	EA	24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,538.03	257.91
23 33 19 00-0027	EA	36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	975.27	214.92
23 33 19 00-0028	EA	36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,308.20	257.91
23 33 19 00-0029	EA	36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,273.76	339.58
23 33 19 00-0030	EA	36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,534.33	368.24
23 33 19 00-0031	EA	48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,808.81	391.16
23 33 19 00-0032	EA	48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,157.95	429.86

**23 33 19 00-0033 84" Long Packaged Duct Sound Trap (23 33 19)**

23 33 19 00-0034	EA	6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	383.00	107.46
23 33 19 00-0035	EA	6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	648.25	160.48
23 33 19 00-0036	EA	6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	908.00	234.99
23 33 19 00-0037	EA	12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	511.75	128.96
23 33 19 00-0038	EA	12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	632.62	149.01
23 33 19 00-0039	EA	12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	848.12	171.94
23 33 19 00-0040	EA	12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	996.17	184.84
23 33 19 00-0041	EA	12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,086.25	199.16
23 33 19 00-0042	EA	12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,356.02	214.92
23 33 19 00-0043	EA	12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,597.47	234.99
23 33 19 00-0044	EA	24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	942.19	199.16
23 33 19 00-0045	EA	24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,318.13	207.76
23 33 19 00-0046	EA	24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,434.92	214.92
23 33 19 00-0047	EA	24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,560.44	226.39
23 33 19 00-0048	EA	24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,944.46	243.58
23 33 19 00-0049	EA	24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	2,107.44	257.91

**23 33 23 Turning Vanes (23 33)**

**23 33 23 00-0001 Duct Turning Vane Components (23 33 23)**

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 23 00-0002 LF Duct Turning Vane Rail.....	13.40	3.58
For Stainless Steel, Add	7.76	
23 33 23 00-0003 LF Double Thick Factory Fabricated, Duct Turning Vane .....	11.96	1.43
For Stainless Steel, Add	11.69	
<b>23 33 23 00-0004 Duct Turning Vane Sets (23 33 23)</b>		
Note: Measured from inside corner to outside corner of ductwork.		
23 33 23 00-0005 LF 12" High Duct Turning Vanes, Sets .....	48.01	5.37
For Stainless Steel, Add	53.68	
23 33 23 00-0006 LF 14" High Duct Turning Vanes, Sets .....	59.39	5.73
For Stainless Steel, Add	67.90	
23 33 23 00-0007 LF 16" High Duct Turning Vanes, Sets .....	80.70	6.01
For Stainless Steel, Add	95.06	
23 33 23 00-0008 LF 18" High Duct Turning Vanes, Sets .....	102.08	6.45
For Stainless Steel, Add	122.23	
23 33 23 00-0009 LF 20" High Duct Turning Vanes, Sets .....	113.05	6.88
For Stainless Steel, Add	135.79	
23 33 23 00-0010 LF 22" High Duct Turning Vanes, Sets .....	143.86	6.45
For Stainless Steel, Add	176.55	
23 33 23 00-0011 LF 24" High Duct Turning Vanes, Sets .....	176.70	7.59
For Stainless Steel, Add	217.28	
23 33 23 00-0012 LF 26" High Duct Turning Vanes, Sets .....	189.64	7.94
For Stainless Steel, Add	233.64	
23 33 23 00-0013 LF 30" High Duct Turning Vanes, Sets .....	211.61	8.26
For Stainless Steel, Add	261.68	
<b>23 33 33 Duct-Mounting Access Doors (23 33)</b>		
<b>23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication (23 33 33)</b>		
23 33 33 00-0002 EA 6" x 6" Duct Access Doors Insulated Factory Fabrication .....	101.40	20.06
For Stainless Steel, Add	41.60	
23 33 33 00-0003 EA 10" x 10" Duct Access Doors Insulated Factory Fabrication .....	105.77	20.06
For Stainless Steel, Add	50.34	
23 33 33 00-0004 EA 12" x 12" Duct Access Doors Insulated Factory Fabrication .....	107.90	20.06
For Stainless Steel, Add	54.60	
23 33 33 00-0005 EA 12" x 18" Duct Access Doors Insulated Factory Fabrication .....	137.69	24.36
For Stainless Steel, Add	77.00	
23 33 33 00-0006 EA 16" x 12" Duct Access Doors Insulated Factory Fabrication .....	138.55	24.36
For Stainless Steel, Add	78.72	
23 33 33 00-0007 EA 18" x 18" Duct Access Doors Insulated Factory Fabrication .....	174.26	32.95
For Stainless Steel, Add	90.60	
23 33 33 00-0008 EA 24" x 18" Duct Access Doors Insulated Factory Fabrication .....	209.97	40.12
For Stainless Steel, Add	97.56	
23 33 33 00-0009 EA 24" x 24" Duct Access Doors Insulated Factory Fabrication .....	274.82	54.44
For Stainless Steel, Add	119.80	
<b>23 33 43 Flexible Connectors (23 33)</b>		
23 33 43 00-0001 LF 6-1/2" Width, Galvanized Steel, Flexible Duct Connector .....	17.80	4.29
23 33 43 00-0002 LF 5-3/4" Width, Vinyl/Steel, Flexible Duct Connector .....	18.19	3.87
<b>23 33 46 Flexible Ducts (23 33)</b>		
<b>23 33 46 00-0001 Flexible Duct, R8.0 Insulated With Metallized Outer Jacket (23 33 46)</b>		
Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.		
23 33 46 00-0002 LF 4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	7.73	1.43
23 33 46 00-0003 LF 5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	8.64	2.87
23 33 46 00-0004 LF 6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	9.95	2.87
23 33 46 00-0005 LF 7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	11.66	2.87
23 33 46 00-0006 LF 8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	14.10	4.29
23 33 46 00-0007 LF 10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	18.10	4.29
23 33 46 00-0008 LF 12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	24.86	5.73
23 33 46 00-0009 LF 14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	31.02	5.73
23 33 46 00-0010 LF 16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	41.08	7.16
<b>23 33 46 00-0011 Collars, Sheet Metal Spin-In Type With Damper (23 33 46)</b>		
23 33 46 00-0012 EA Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper .....	54.75	8.60
For Stainless Steel, Add	29.26	
23 33 46 00-0013 EA 5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper .....	59.65	10.03
For Stainless Steel, Add	29.65	
23 33 46 00-0014 EA 6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper .....	68.14	10.03
For Stainless Steel, Add	32.70	
23 33 46 00-0015 EA 7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper .....	77.53	12.89
For Stainless Steel, Add	33.74	
23 33 46 00-0016 EA 8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper .....	93.79	15.76
For Stainless Steel, Add	38.12	
23 33 46 00-0017 EA 10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper .....	109.83	18.63
For Stainless Steel, Add	46.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 46 00-0018 EA 12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper .....	124.92	21.49
<i>For Stainless Steel, Add</i>	50.64	
23 33 46 00-0019 EA 14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper .....	147.62	24.36
<i>For Stainless Steel, Add</i>	63.39	
23 33 46 00-0020 EA 16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper .....	160.81	27.23
<i>For Stainless Steel, Add</i>	69.36	

**23 33 53 Duct Liners** (23 33)

**23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation** (23 33 53)

23 33 53 00-0002 SF 1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	12.73	3.22
23 33 53 00-0003 SF 3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	13.89	3.22
23 33 53 00-0004 SF 1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	15.48	4.29
23 33 53 00-0005 SF 1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	19.01	4.29
23 33 53 00-0006 SF 2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	22.92	4.84
23 33 53 00-0007 SF 1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	14.33	4.29
23 33 53 00-0008 SF 3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	15.66	4.29
23 33 53 00-0009 SF 1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	17.46	5.73
23 33 53 00-0010 SF 1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	21.28	5.73
23 33 53 00-0011 SF 2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	25.77	6.45

**23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation** (23 33 53)

23 33 53 00-0013 SF 1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket .....	3.18	3.44
23 33 53 00-0014 SF 1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket .....	3.60	3.87
23 33 53 00-0015 SF 1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket .....	4.66	3.87
23 33 53 00-0016 SF 1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket .....	6.07	3.87
23 33 53 00-0017 SF 1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket .....	5.02	4.29
23 33 53 00-0018 SF 2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket .....	5.32	4.73
23 33 53 00-0019 SF 2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket .....	8.36	4.73

**23 33 56 Duct Air Extractors** (23 33)

23 33 56 00-0001 EA 12" x 4" Duct Air Extractor .....	62.60	23.65
<i>For Stainless Steel, Add</i>	19.92	
23 33 56 00-0002 EA 8" x 6" Duct Air Extractor .....	66.90	25.79
<i>For Stainless Steel, Add</i>	19.92	
23 33 56 00-0003 EA 12" x 6" Duct Air Extractor .....	75.64	27.23
<i>For Stainless Steel, Add</i>	27.56	
23 33 56 00-0004 EA 16" x 6" Duct Air Extractor .....	84.20	28.66
<i>For Stainless Steel, Add</i>	34.96	
23 33 56 00-0005 EA 24" x 6" Duct Air Extractor .....	107.44	31.52
<i>For Stainless Steel, Add</i>	57.72	
23 33 56 00-0006 EA 12" x 8" Duct Air Extractor .....	81.08	28.66
<i>For Stainless Steel, Add</i>	30.90	
23 33 56 00-0007 EA 20" x 8" Duct Air Extractor .....	106.04	35.82
<i>For Stainless Steel, Add</i>	44.72	
23 33 56 00-0008 EA 18" x 10" Duct Air Extractor .....	115.44	40.83
<i>For Stainless Steel, Add</i>	43.90	
23 33 56 00-0009 EA 24" x 10" Duct Air Extractor .....	139.78	47.99
<i>For Stainless Steel, Add</i>	56.91	
23 33 56 00-0010 EA 24" x 12" Duct Air Extractor .....	161.53	57.31
<i>For Stainless Steel, Add</i>	60.98	
23 33 56 00-0011 EA 30" x 12" Duct Air Extractor .....	202.08	71.64
<i>For Stainless Steel, Add</i>	76.43	

**23 33 59 Duct Pressure Relief Doors** (23 33)

**23 33 59 00-0001 Duct Pressure Relief Doors** (23 33 59)

23 33 59 00-0002 EA 18" x 18" Duct Pressure Relief Door (Ruskin PRD18) .....	1,188.23	42.99
23 33 59 00-0003 EA 24" x 10" Duct Pressure Relief Door (Ruskin PRD18) .....	976.65	35.82
23 33 59 00-0004 EA 24" x 12" Duct Pressure Relief Door (Ruskin PRD18) .....	970.64	39.41

**23 34 HVAC Fans** (23 30)

**23 34 13 Axial HVAC Fans** (23 34)

**23 34 13 00-0001 Tube-Axial Fans** (23 34 13)

**23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans** (23 34 13 00-0001)

23 34 13 00-0003 EA 12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure .....	1,954.80	440.08
<i>For 1/2" Static Pressure, Add</i>	236.23	
<i>For 1/4" Static Pressure, Add</i>	85.90	
<i>For 3/8" Static Pressure, Add</i>	171.80	
23 34 13 00-0004 EA 12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure .....	2,031.49	441.40
<i>For 1/2" Static Pressure, Add</i>	253.10	
<i>For 1/4" Static Pressure, Add</i>	92.04	
<i>For 3/8" Static Pressure, Add</i>	184.07	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0005	EA		16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure.....	2,184.89	440.08
			For 1/2" Static Pressure, Add	286.85	
			For 1/4" Static Pressure, Add	104.31	
			For 3/8" Static Pressure, Add	208.62	
23 34 13 00-0006	EA		20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure.....	2,338.28	441.40
			For 1/2" Static Pressure, Add	320.59	
			For 1/4" Static Pressure, Add	116.58	
			For 3/8" Static Pressure, Add	233.16	
23 34 13 00-0007	EA		22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure.....	2,744.58	528.63
			For 1/2" Static Pressure, Add	371.21	
			For 1/4" Static Pressure, Add	134.99	
			For 3/8" Static Pressure, Add	269.97	
23 34 13 00-0008	EA		24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure.....	3,143.30	574.88
			For 1/2" Static Pressure, Add	438.71	
			For 1/4" Static Pressure, Add	159.53	
			For 3/8" Static Pressure, Add	319.06	
23 34 13 00-0009	EA		24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure.....	3,329.45	629.07
			For 1/2" Static Pressure, Add	455.58	
			For 1/4" Static Pressure, Add	165.67	
			For 3/8" Static Pressure, Add	331.33	
23 34 13 00-0010	EA		30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure.....	3,775.86	660.78
			For 1/2" Static Pressure, Add	539.95	
			For 1/4" Static Pressure, Add	196.34	
			For 3/8" Static Pressure, Add	392.69	
23 34 13 00-0011	EA		30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure.....	4,566.43	825.97
			For 1/2" Static Pressure, Add	641.19	
			For 1/4" Static Pressure, Add	233.16	
			For 3/8" Static Pressure, Add	466.32	
23 34 13 00-0012	EA		36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure.....	5,136.74	881.48
			For 1/2" Static Pressure, Add	742.43	
			For 1/4" Static Pressure, Add	269.97	
			For 3/8" Static Pressure, Add	539.95	
23 34 13 00-0013	EA		36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure.....	6,021.41	1,016.28
			For 1/2" Static Pressure, Add	877.41	
			For 1/4" Static Pressure, Add	319.06	
			For 3/8" Static Pressure, Add	638.12	
<b>23 34 13 00-0014</b>			<b>Belt Drive Tube-Axial Duct Fans</b> <small>(23 34 13 00-0001)</small>		
23 34 13 00-0015	EA		15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure.....	1,857.16	426.87
			For 1/2" Static Pressure, Add	221.00	
			For 1/4" Static Pressure, Add	80.36	
			For 3/8" Static Pressure, Add	160.73	
23 34 13 00-0016	EA		15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure.....	1,964.88	441.40
			For 1/2" Static Pressure, Add	238.44	
			For 1/4" Static Pressure, Add	86.71	
			For 3/8" Static Pressure, Add	173.41	
23 34 13 00-0017	EA		18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure.....	2,030.51	455.94
			For 1/2" Static Pressure, Add	246.20	
			For 1/4" Static Pressure, Add	89.53	
			For 3/8" Static Pressure, Add	179.05	
23 34 13 00-0018	EA		18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure.....	2,145.30	471.80
			For 1/2" Static Pressure, Add	264.29	
			For 1/4" Static Pressure, Add	96.11	
			For 3/8" Static Pressure, Add	192.21	
23 34 13 00-0019	EA		18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure.....	2,403.50	490.30
			For 1/2" Static Pressure, Add	313.41	
			For 1/4" Static Pressure, Add	113.97	
			For 3/8" Static Pressure, Add	227.93	
23 34 13 00-0020	EA		24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure.....	2,532.20	508.80
			For 1/2" Static Pressure, Add	333.44	
			For 1/4" Static Pressure, Add	121.25	
			For 3/8" Static Pressure, Add	242.50	
23 34 13 00-0021	EA		24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure.....	2,819.60	528.63
			For 1/2" Static Pressure, Add	387.72	
			For 1/4" Static Pressure, Add	140.99	
			For 3/8" Static Pressure, Add	281.98	
23 34 13 00-0022	EA		24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure.....	3,155.34	528.63
			For 1/2" Static Pressure, Add	461.95	
			For 1/4" Static Pressure, Add	167.98	
			For 3/8" Static Pressure, Add	335.96	
23 34 13 00-0023	EA		30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure.....	3,643.85	574.88
			For 1/2" Static Pressure, Add	549.27	
			For 1/4" Static Pressure, Add	199.73	
			For 3/8" Static Pressure, Add	399.47	
23 34 13 00-0024	EA		30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure.....	4,325.44	696.47
			For 1/2" Static Pressure, Add	646.20	
			For 1/4" Static Pressure, Add	234.98	
			For 3/8" Static Pressure, Add	469.96	
23 34 13 00-0025	EA		30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure.....	4,893.69	696.47
			For 1/2" Static Pressure, Add	769.92	
			For 1/4" Static Pressure, Add	279.97	
			For 3/8" Static Pressure, Add	559.94	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0026	EA			36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure.....	5,376.00	734.79
				For 1/2" Static Pressure, Add	859.67	
				For 1/4" Static Pressure, Add	312.61	
				For 3/8" Static Pressure, Add	625.22	
23 34 13 00-0027	EA			36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	5,862.96	777.08
				For 1/2" Static Pressure, Add	948.60	
				For 1/4" Static Pressure, Add	344.95	
				For 3/8" Static Pressure, Add	689.89	
23 34 13 00-0028	EA			36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	6,726.53	1,016.28
				For 1/2" Static Pressure, Add	1,033.91	
				For 1/4" Static Pressure, Add	375.97	
				For 3/8" Static Pressure, Add	751.94	
23 34 13 00-0029	EA			36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure.....	7,626.35	1,017.60
				For 1/2" Static Pressure, Add	1,231.87	
				For 1/4" Static Pressure, Add	447.95	
				For 3/8" Static Pressure, Add	895.91	
23 34 13 00-0030	EA			42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure.....	8,633.03	1,201.03
				For 1/2" Static Pressure, Add	1,372.56	
				For 1/4" Static Pressure, Add	499.11	
				For 3/8" Static Pressure, Add	998.22	

**23 34 16 Centrifugal HVAC Fans (23 34)**

**23 34 16 00-0001 Centrifugal Fans (23 34 16)**

Note: All belt fans to be supplied with belt guard.

**23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans (23 34 16 00-0001)**

Note: V-belt driven.

**23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002)**

Note: Under 30" diameter wheel.

**23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure (23 34 16 00-0003)**

23 34 16 00-0005	EA	1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan .....	1,245.57	290.35
23 34 16 00-0006	EA	1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan .....	1,745.10	301.31
23 34 16 00-0007	EA	1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan .....	1,798.34	240.13
23 34 16 00-0008	EA	1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan .....	1,877.29	329.07
23 34 16 00-0009	EA	3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan .....	1,927.57	348.89
23 34 16 00-0010	EA	1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan .....	1,990.44	363.43
23 34 16 00-0011	EA	1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan .....	2,057.04	387.22

**23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure (23 34 16 00-0003)**

23 34 16 00-0013	EA	1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	2,001.47	317.18
23 34 16 00-0014	EA	1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	2,039.89	329.07
23 34 16 00-0015	EA	1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	2,110.37	348.89
23 34 16 00-0016	EA	3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	2,152.67	363.43
23 34 16 00-0017	EA	1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	2,229.95	387.22
23 34 16 00-0018	EA	1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	2,304.58	405.72

**23 34 16 00-0019 15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure (23 34 16 00-0003)**

23 34 16 00-0020	EA	1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	2,019.61	329.07
23 34 16 00-0021	EA	1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	2,069.82	348.89
23 34 16 00-0022	EA	1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	2,132.39	363.43
23 34 16 00-0023	EA	3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	2,189.38	387.22
23 34 16 00-0024	EA	1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	2,257.27	405.72
23 34 16 00-0025	EA	1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	2,354.05	436.11
23 34 16 00-0026	EA	2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	2,429.38	458.58

**23 34 16 00-0027 16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure (23 34 16 00-0003)**

23 34 16 00-0028	EA	1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,303.02	348.89
23 34 16 00-0029	EA	1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,386.66	363.43
23 34 16 00-0030	EA	1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,482.19	387.22
23 34 16 00-0031	EA	3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,534.32	405.72
23 34 16 00-0032	EA	1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,605.24	436.11
23 34 16 00-0033	EA	1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,664.84	458.58
23 34 16 00-0034	EA	2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,955.42	498.23

**23 34 16 00-0035 18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure (23 34 16 00-0003)**

23 34 16 00-0036	EA	1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,380.81	363.43
23 34 16 00-0037	EA	1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,442.86	387.22
23 34 16 00-0038	EA	1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,520.89	405.72
23 34 16 00-0039	EA	3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,587.27	436.11
23 34 16 00-0040	EA	1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,672.73	458.58
23 34 16 00-0041	EA	1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,803.33	498.23
23 34 16 00-0042	EA	2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,889.66	528.63
23 34 16 00-0043	EA	3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	3,021.03	581.49

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0044			<b>20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure</b> (23 34 16 00-0003)		
23 34 16 00-0045	EA		1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,412.45	387.22
23 34 16 00-0046	EA		1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,490.46	405.72
23 34 16 00-0047	EA		1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,587.27	436.11
23 34 16 00-0048	EA		3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,672.73	458.58
23 34 16 00-0049	EA		1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,833.74	498.23
23 34 16 00-0050	EA		1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure .....	3,050.43	528.63
23 34 16 00-0051	EA		2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	3,213.11	581.49
23 34 16 00-0052	EA		3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	3,377.44	622.46
23 34 16 00-0053			<b>22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure</b> (23 34 16 00-0003)		
23 34 16 00-0054	EA		1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	2,879.14	405.72
23 34 16 00-0055	EA		1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	2,940.76	436.11
23 34 16 00-0056	EA		1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	3,019.16	458.58
23 34 16 00-0057	EA		3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	3,121.03	498.23
23 34 16 00-0058	EA		1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	3,248.74	528.63
23 34 16 00-0059	EA		1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	3,306.04	581.49
23 34 16 00-0060	EA		2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	3,397.71	622.46
23 34 16 00-0061	EA		3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	3,561.68	697.78
23 34 16 00-0062			<b>24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure</b> (23 34 16 00-0003)		
23 34 16 00-0063	EA		1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	3,445.74	436.11
23 34 16 00-0064	EA		1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	3,573.92	498.23
23 34 16 00-0065	EA		3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	3,690.67	528.63
23 34 16 00-0066	EA		1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,821.47	581.49
23 34 16 00-0067	EA		1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	3,935.10	622.46
23 34 16 00-0068	EA		2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	4,048.38	697.78
23 34 16 00-0069	EA		3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	4,191.00	758.57
23 34 16 00-0070	EA		5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	4,515.47	872.23
23 34 16 00-0071			<b>27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure</b> (23 34 16 00-0003)		
23 34 16 00-0072	EA		1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,810.04	458.58
23 34 16 00-0073	EA		1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,944.16	528.63
23 34 16 00-0074	EA		3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,074.95	581.49
23 34 16 00-0075	EA		1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,188.59	622.46
23 34 16 00-0076	EA		1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure .....	4,352.55	697.78
23 34 16 00-0077	EA		2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure .....	4,494.88	758.57
23 34 16 00-0078	EA		3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,840.89	872.23
23 34 16 00-0079	EA		5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,915.80	968.70
23 34 16 00-0080			<b>Large Industrial Type Utility Backward Centrifugal Fans</b> (23 34 16 00-0002) Note: Over 30" diameter wheel.		
23 34 16 00-0081			<b>30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure</b> (23 34 16 00-0080)		
23 34 16 00-0082	EA		1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,317.04	581.49
23 34 16 00-0083	EA		3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,426.68	622.46
23 34 16 00-0084	EA		1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,599.71	697.78
23 34 16 00-0085	EA		1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure .....	5,752.16	758.57
23 34 16 00-0086	EA		2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,985.69	872.23
23 34 16 00-0087	EA		3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	6,193.36	968.70
23 34 16 00-0088	EA		5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	6,547.89	1,162.97
23 34 16 00-0089	EA		7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure .....	6,873.57	1,341.39
23 34 16 00-0090			<b>33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure</b> (23 34 16 00-0080)		
23 34 16 00-0091	EA		1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	6,216.48	622.46
23 34 16 00-0092	EA		3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	6,431.14	697.78
23 34 16 00-0093	EA		1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	6,624.47	758.57
23 34 16 00-0094	EA		1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	6,898.25	872.23
23 34 16 00-0095	EA		2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	7,146.49	968.70
23 34 16 00-0096	EA		3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	7,541.55	1,162.97
23 34 16 00-0097	EA		5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	7,970.05	1,341.39
23 34 16 00-0098	EA		7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	8,625.39	1,744.46
23 34 16 00-0099			<b>36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure</b> (23 34 16 00-0080)		
23 34 16 00-0100	EA		1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	6,646.12	697.78
23 34 16 00-0101	EA		3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	6,845.51	758.57
23 34 16 00-0102	EA		1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	7,453.88	872.23
23 34 16 00-0103	EA		1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	7,870.44	968.70
23 34 16 00-0104	EA		2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	8,407.70	1,162.97
23 34 16 00-0105	EA		3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	8,829.82	1,341.39
23 34 16 00-0106	EA		5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	9,724.63	1,744.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0107 EA 7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	10,506.55	2,180.57
<b>23 34 16 00-0108 Kitchen System Fans</b> <small>(23 34 16 00-0001)</small>		
<b>23 34 16 00-0109 Upblast Kitchen Exhaust Fans</b> <small>(23 34 16 00-0108)</small>		
<b>23 34 16 00-0110 Direct Drive Kitchen Upblast Exhaust Fans</b> <small>(23 34 16 00-0109)</small>		
Note: Greenheck CUE.		
23 34 16 00-0111 EA Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan .....	1,214.94	171.80
Note: 115V. For roof or wall installations. Includes disconnect switch.		
For Bird Screen, Add	49.37	
For Backdraft Damper, Add	137.04	
For Damper Motor, Add	216.20	
23 34 16 00-0112 EA 14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan .....	1,411.08	171.80
Note: 115V. For roof or wall installations. Includes disconnect switch.		
For Bird Screen, Add	49.37	
For Backdraft Damper, Add	137.04	
For Damper Motor, Add	216.20	
<b>23 34 16 00-0113 Belt Drive Kitchen Upblast Exhaust Fans</b> <small>(23 34 16 00-0109)</small>		
Note: Greenheck CUBE.		
23 34 16 00-0114 EA 10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	2,030.79	171.80
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Hinged Curb Kit, Add	143.41	
For Grease Trap Kit, Add	76.41	
For Totally Enclosed Motor, Add	85.00	
For 3 Phase Motor, Deduct	-50.00	
For Bird Screen, Add	49.37	
For Wall Mounted Fan, Add	81.23	
For Backdraft Damper, Add	137.04	
For Damper Motor, Add	216.20	
23 34 16 00-0115 EA 12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	2,115.91	171.80
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Hinged Curb Kit, Add	150.65	
For Grease Trap Kit, Add	76.41	
For Totally Enclosed Motor, Add	85.00	
For 3 Phase Motor, Deduct	-50.00	
For Bird Screen, Add	49.37	
For Wall Mounted Fan, Add	84.64	
For Backdraft Damper, Add	137.04	
For Damper Motor, Add	216.20	
23 34 16 00-0116 EA 14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	1,840.19	198.24
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Hinged Curb Kit, Add	122.72	
For Grease Trap Kit, Add	76.41	
For Totally Enclosed Motor, Add	85.00	
For 3 Phase Motor, Deduct	-50.00	
For Bird Screen, Add	56.18	
For Wall Mounted Fan, Add	73.61	
For Backdraft Damper, Add	155.40	
For Damper Motor, Add	216.20	
23 34 16 00-0117 EA 14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	1,962.77	198.24
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Hinged Curb Kit, Add	133.14	
For Grease Trap Kit, Add	76.41	
For Totally Enclosed Motor, Add	85.00	
For 3 Phase Motor, Deduct	-50.00	
For Bird Screen, Add	56.18	
For Wall Mounted Fan, Add	78.51	
For Backdraft Damper, Add	155.40	
For Damper Motor, Add	216.20	
23 34 16 00-0118 EA 16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	2,485.11	231.28
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Hinged Curb Kit, Add	171.92	
For Grease Trap Kit, Add	76.41	
For Totally Enclosed Motor, Add	85.00	
For 3 Phase Motor, Deduct	-50.00	
For Bird Screen, Add	56.18	
For Wall Mounted Fan, Add	99.40	
For Backdraft Damper, Add	155.40	
For Damper Motor, Add	216.20	
23 34 16 00-0119 EA 16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	2,616.20	231.28
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Hinged Curb Kit, Add	183.06	
For Grease Trap Kit, Add	76.41	
For Totally Enclosed Motor, Add	85.00	
For 3 Phase Motor, Deduct	-50.00	
For Bird Screen, Add	56.18	
For Wall Mounted Fan, Add	104.65	
For Backdraft Damper, Add	155.40	
For Damper Motor, Add	216.20	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0120 EA 18" Diameter Wheel, 1/2 HP, 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,848.44		247.80
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Hinged Curb Kit, Add	199.99	
For Grease Trap Kit, Add	76.41	
For Totally Enclosed Motor, Add	85.00	
For 3 Phase Motor, Deduct	-50.00	
For Bird Screen, Add	93.64	
For Wall Mounted Fan, Add	113.94	
For Backdraft Damper, Add	191.41	
For Damper Motor, Add	216.20	
23 34 16 00-0121 EA 18" Diameter Wheel, 1 HP, 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,052.74		247.80
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Hinged Curb Kit, Add	217.36	
For Grease Trap Kit, Add	76.41	
For Totally Enclosed Motor, Add	85.00	
For 3 Phase Motor, Deduct	-50.00	
For Bird Screen, Add	93.64	
For Wall Mounted Fan, Add	122.11	
For Backdraft Damper, Add	191.41	
For Damper Motor, Add	216.20	
23 34 16 00-0122 EA 20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,109.62		264.31
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Hinged Curb Kit, Add	219.38	
For Grease Trap Kit, Add	76.41	
For Totally Enclosed Motor, Add	85.00	
For 3 Phase Motor, Deduct	-50.00	
For Bird Screen, Add	93.64	
For Wall Mounted Fan, Add	124.38	
For Backdraft Damper, Add	191.41	
For Damper Motor, Add	216.20	
23 34 16 00-0123 EA 20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,397.34		264.31
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Hinged Curb Kit, Add	243.84	
For Grease Trap Kit, Add	76.41	
For Totally Enclosed Motor, Add	85.00	
For 3 Phase Motor, Deduct	-50.00	
For Bird Screen, Add	93.64	
For Wall Mounted Fan, Add	135.89	
For Backdraft Damper, Add	191.41	
For Damper Motor, Add	216.20	
23 34 16 00-0124 EA 24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,909.47		297.35
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Hinged Curb Kit, Add	281.76	
For Grease Trap Kit, Add	76.41	
For Totally Enclosed Motor, Add	85.00	
For 3 Phase Motor, Deduct	-50.00	
For Bird Screen, Add	110.66	
For Wall Mounted Fan, Add	156.38	
For Backdraft Damper, Add	207.80	
For Damper Motor, Add	216.20	
23 34 16 00-0125 EA 24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....4,173.36		297.35
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Hinged Curb Kit, Add	304.19	
For Grease Trap Kit, Add	76.41	
For Totally Enclosed Motor, Add	85.00	
For 3 Phase Motor, Deduct	-50.00	
For Bird Screen, Add	110.66	
For Wall Mounted Fan, Add	166.93	
For Backdraft Damper, Add	207.80	
For Damper Motor, Add	216.20	
23 34 16 00-0126 EA 30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....4,935.76		330.39
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
For Hinged Curb Kit, Add	363.37	
For Grease Trap Kit, Add	76.41	
For Totally Enclosed Motor, Add	85.00	
For Bird Screen, Add	119.18	
For Wall Mounted Fan, Add	197.43	
For Backdraft Damper, Add	230.07	
For Damper Motor, Add	216.20	
23 34 16 00-0127 EA 30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....5,022.58		330.39
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
For Hinged Curb Kit, Add	370.75	
For Grease Trap Kit, Add	76.41	
For Totally Enclosed Motor, Add	85.00	
For Bird Screen, Add	119.18	
For Wall Mounted Fan, Add	200.90	
For Backdraft Damper, Add	230.07	
For Damper Motor, Add	216.20	
23 34 16 00-0128 EA 30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....5,463.53		330.39
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
For Hinged Curb Kit, Add	408.23	
For Grease Trap Kit, Add	76.41	
For Totally Enclosed Motor, Add	85.00	
For Bird Screen, Add	119.18	
For Wall Mounted Fan, Add	218.54	
For Backdraft Damper, Add	230.07	
For Damper Motor, Add	216.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0129 EA 30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....5,676.34	5,676.34	330.39
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Hinged Curb Kit, Add</i>	426.32	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Bird Screen, Add</i>	119.18	
<i>For Wall Mounted Fan, Add</i>	227.05	
<i>For Backdraft Damper, Add</i>	230.07	
<i>For Damper Motor, Add</i>	216.20	
23 34 16 00-0130 EA 36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....6,250.03	6,250.03	363.43
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Hinged Curb Kit, Add</i>	469.47	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Bird Screen, Add</i>	136.20	
<i>For Wall Mounted Fan, Add</i>	250.00	
<i>For Damper Motor, Add</i>	216.20	
<i>For Backdraft Damper, Add</i>	268.29	
23 34 16 00-0131 EA 36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....6,494.76	6,494.76	363.43
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Hinged Curb Kit, Add</i>	490.27	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Bird Screen, Add</i>	136.20	
<i>For Wall Mounted Fan, Add</i>	259.79	
<i>For Damper Motor, Add</i>	216.20	
<i>For Backdraft Damper, Add</i>	268.29	
23 34 16 00-0132 EA 42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....6,567.68	6,567.68	396.47
Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
<i>For Hinged Curb Kit, Add</i>	490.86	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Bird Screen, Add</i>	136.20	
<i>For Damper Motor, Add</i>	216.20	
<i>For Backdraft Damper, Add</i>	309.26	
23 34 16 00-0133 EA 42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....7,104.99	7,104.99	396.47
Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
<i>For Hinged Curb Kit, Add</i>	536.53	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Bird Screen, Add</i>	136.20	
<i>For Damper Motor, Add</i>	216.20	
<i>For Backdraft Damper, Add</i>	309.26	
<b>23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans</b> <small>(23 34 16 00-0108)</small>		
Note: Roof mounted with downblast discharge, weatherhood and filter.		
<b>23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans</b> <small>(23 34 16 00-0134)</small>		
23 34 16 00-0136 EA 7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan .....1,396.00	1,396.00	171.80
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	243.73	
23 34 16 00-0137 EA 8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan .....1,462.64	1,462.64	171.80
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	253.72	
23 34 16 00-0138 EA 9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan .....1,544.41	1,544.41	171.80
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	265.99	
<b>23 34 16 00-0139 Belt Drive Kitchen Make-Up Air Fans</b> <small>(23 34 16 00-0134)</small>		
23 34 16 00-0140 EA 9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan .....1,576.13	1,576.13	171.80
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	270.75	
23 34 16 00-0141 EA 10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan .....1,786.02	1,786.02	231.28
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	314.16	
23 34 16 00-0142 EA 12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan .....2,146.01	2,146.01	264.31
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	374.76	
23 34 16 00-0143 EA 15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan .....2,499.48	2,499.48	330.39
Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	441.00	
23 34 16 00-0144 EA 18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan .....3,023.15	3,023.15	396.47
Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	532.76	
<b>23 34 16 00-0145 Replacement Parts</b> <small>(23 34 16 00-0001)</small>		
<b>23 34 16 00-0146 Replace Belts And Accessories</b> <small>(23 34 16 00-0145)</small>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 34 HVAC Fans**



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 34 16 00-0147	EA	Fan Shaft Bearing, Replacement .....	786.54	348.68
23 34 16 00-0148	EA	Fan Belt, Replacement .....	130.30	47.28
<b>23 34 16 00-0149</b>		<b>Corrosive Fume Resistant Plastic (23 34 16 00-0001)</b>		
<b>23 34 16 00-0150</b>		<b>Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure (23 34 16 00-0149)</b>		
23 34 16 00-0151	EA	250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	5,942.33	238.57
		<i>For Explosion Proof Motor, Add</i>	819.78	
23 34 16 00-0152	EA	895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	6,464.20	286.57
		<i>For Explosion Proof Motor, Add</i>	883.66	
23 34 16 00-0153	EA	1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	7,672.14	358.21
		<i>For Explosion Proof Motor, Add</i>	1,043.36	
23 34 16 00-0154	EA	2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	8,266.41	477.85
		<i>For Explosion Proof Motor, Add</i>	1,096.59	
23 34 16 00-0155	EA	3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	9,524.18	716.42
		<i>For Explosion Proof Motor, Add</i>	1,213.70	
23 34 16 00-0156	EA	11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	16,493.22	1,432.83
		<i>For Explosion Proof Motor, Add</i>	2,044.13	
23 34 16 00-0157	EA	18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	24,040.89	2,048.24
		<i>For Explosion Proof Motor, Add</i>	2,991.67	
<b>23 34 16 00-0158</b>		<b>Utility Set, Centrifugal, Belt Drive (23 34 16 00-0149)</b>		
23 34 16 00-0159	EA	1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	5,942.33	238.57
		<i>For Explosion Proof Motor, Add</i>	819.78	
23 34 16 00-0160	EA	1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	6,109.32	286.57
		<i>For Explosion Proof Motor, Add</i>	830.43	
23 34 16 00-0161	EA	1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	6,252.61	358.21
		<i>For Explosion Proof Motor, Add</i>	830.43	
23 34 16 00-0162	EA	2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	6,491.99	477.85
		<i>For Explosion Proof Motor, Add</i>	830.43	
23 34 16 00-0163	EA	3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	8,956.37	716.42
		<i>For Explosion Proof Motor, Add</i>	1,128.53	
23 34 16 00-0164	EA	4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	9,314.59	895.53
		<i>For Explosion Proof Motor, Add</i>	1,128.53	
23 34 16 00-0165	EA	4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	9,573.05	1,024.76
		<i>For Explosion Proof Motor, Add</i>	1,128.53	
23 34 16 00-0166	EA	6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	9,814.75	1,074.63
		<i>For Explosion Proof Motor, Add</i>	1,149.82	
23 34 16 00-0167	EA	7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	10,124.54	1,193.98
		<i>For Explosion Proof Motor, Add</i>	1,160.47	
<b>23 34 16 00-0168</b>		<b>In-Line Duct Fans (23 34 16 00-0001)</b>		
<b>23 34 16 00-0169</b>		<b>Direct Drive In-Line Duct Fans (23 34 16 00-0168)</b>		
		Note: Greenheck SQ.		
23 34 16 00-0170	EA	Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan .....	1,417.93	171.80
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0171	EA	13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan .....	1,794.44	185.02
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0172	EA	14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan .....	1,965.32	198.24
		Note: 115V. Includes disconnect switch.		
<b>23 34 16 00-0173</b>		<b>Belt Drive In-Line Duct Fans (23 34 16 00-0168)</b>		
		Note: Greenheck BSQ.		
23 34 16 00-0174	EA	Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan.....	2,048.89	198.24
		Note: 115/208-230/60/1. Includes disconnect switch.		
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0175	EA	13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan .....	2,356.61	231.28
		Note: 115/208-230/60/1. Includes disconnect switch.		
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0176	EA	13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan .....	2,635.49	231.28
		Note: 115/208-230/60/1. Includes disconnect switch.		
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0177	EA	13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan .....	2,872.59	231.28
		Note: 115/208-230/60/1. Includes disconnect switch.		
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0178	EA	16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan .....	2,817.86	264.31
		Note: 115/208-230/60/1. Includes disconnect switch.		
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0179	EA	16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan .....	3,219.38	264.31
		Note: 115/208-230/60/1. Includes disconnect switch.		
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0180 EA 24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan ..... Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	4,093.71 -50.00 85.00	330.39
23 34 16 00-0181 EA 24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan ..... Note: 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i>	4,315.36 85.00	330.39
23 34 16 00-0182 EA 24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan ..... Note: Belt drive. 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i>	4,471.61 85.00	330.39
23 34 16 00-0183 EA 30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan ..... Note: 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i>	5,178.88 85.00	396.47
23 34 16 00-0184 EA 30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan ..... Note: 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i>	5,365.37 85.00	396.47
23 34 16 00-0185 EA 30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan ..... Note: 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i>	5,594.56 85.00	396.47
<b>23 34 16 00-0186 In-Line Cabinet Fans (23 34 16 00-0001)</b>		
23 34 16 00-0187 EA 950 CFM, 80 Watt, Direct Drive In-Line Cabinet Fan.....	468.77	115.63
23 34 16 00-0188 EA 1,050 CFM, 129 Watt, Direct Drive In-Line Cabinet Fan.....	493.77	115.63
23 34 16 00-0189 EA 1,100 CFM, 173 Watt, Direct Drive In-Line Cabinet Fan.....	527.69	115.63
23 34 16 00-0190 EA 950 CFM, 48.7 Watt, Direct Drive In-Line Cabinet Fan.....	525.91	115.63
23 34 16 00-0191 EA 1,100 CFM, 52.5 Watt, Direct Drive In-Line Cabinet Fan.....	525.91	115.63
23 34 16 00-0192 EA 1,400 CFM, 100 Watt, Direct Drive In-Line Cabinet Fan.....	579.48	115.63
23 34 16 00-0193 EA 900 CFM, 48.2 Watt, Direct Drive In-Line Cabinet Fan.....	689.11	122.24
23 34 16 00-0194 EA 1,000 CFM, 82.7 Watt, Direct Drive In-Line Cabinet Fan.....	594.47	122.24
23 34 16 00-0195 EA 1,050 CFM, 80.7 Watt, Direct Drive In-Line Cabinet Fan.....	630.19	122.24
23 34 16 00-0196 EA 1,350 CFM, 140 Watt, Direct Drive In-Line Cabinet Fan.....	653.40	122.24
23 34 16 00-0197 EA 1,000 CFM, 135 Watt, Direct Drive In-Line Cabinet Fan.....	680.18	122.24
23 34 16 00-0198 EA 1,070 CFM, 217 Watt, Direct Drive In-Line Cabinet Fan.....	680.18	122.24
23 34 16 00-0199 EA 1,100 CFM, 350 Watt, Direct Drive In-Line Cabinet Fan.....	1,080.89	128.85
23 34 16 00-0200 EA 1,080 CFM, 325 Watt, Direct Drive In-Line Cabinet Fan.....	918.39	128.85
23 34 16 00-0201 EA 1,600 CFM, 405 Watt, Direct Drive In-Line Cabinet Fan.....	918.39	128.85
23 34 16 00-0202 EA 950 CFM, 328 Watt, Direct Drive In-Line Cabinet Fan.....	1,223.74	128.85
23 34 16 00-0203 EA 1,095 CFM, 455 Watt, Direct Drive In-Line Cabinet Fan.....	1,223.74	128.85
23 34 16 00-0204 EA 1,450 CFM, 822 Watt, Direct Drive In-Line Cabinet Fan.....	1,223.74	128.85
23 34 16 00-0205 EA 1,640 CFM, 830 Watt, Direct Drive In-Line Cabinet Fan.....	1,543.68	128.85
<b>23 34 16 00-0206 Propeller And Ceiling Fans (23 34 16)</b>		
<b>23 34 16 00-0207 Direct Drive, Sidewall Propeller Exhaust Fan (23 34 16 00-0206)</b>		
Note: Greenheck SE1.		
23 34 16 00-0208 EA 1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... Note: Includes motor side guard. <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i>	671.36 151.31 240.68	141.41
23 34 16 00-0209 EA 1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... Note: Includes motor side guard. <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i>	714.99 163.77 240.68	157.27
23 34 16 00-0210 EA 1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... Note: Includes motor side guard. <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i>	791.92 180.17 247.10	174.44
23 34 16 00-0211 EA 1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	1,126.49 214.21 251.84 203.88	192.94
23 34 16 00-0212 EA 1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	1,112.89 214.21 258.26 217.11	214.09
23 34 16 00-0213 EA 1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	1,249.32 258.05 264.68 230.35	237.88
23 34 16 00-0214 EA 1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	1,421.67 258.05 269.42 248.69	264.31
<b>23 34 16 00-0215 Belt Drive Propeller Exhaust Fans (23 34 16 00-0206)</b>		
Note: Wall shutter 1/8" static pressure, with birdscreen.		
23 34 16 00-0216 EA 24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter.....	2,462.10	377.97
23 34 16 00-0217 EA 30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter.....	2,822.57	440.08
23 34 16 00-0218 EA 36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter.....	3,211.65	528.63
23 34 16 00-0219 EA 42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter.....	4,446.39	660.78
23 34 16 00-0220 EA 48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter.....	5,335.76	881.48

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0221 EA 54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter.....	7,444.33	1,321.56
23 34 16 00-0222 EA 60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter.....	8,971.88	1,694.24
<b>23 34 16 00-0223 Propeller Exhaust Fan Accessories</b> (23 34 16 00-0206)		
23 34 16 00-0224 SF Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening).....	127.76	
23 34 16 00-0225 SF Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening).....	291.94	
<b>23 34 16 00-0226 Reversible Ceiling Fans</b> (23 34 16 00-0206)		
<b>23 34 16 00-0227 4 Blade Ceiling Fans</b> (23 34 16 00-0226)		
23 34 16 00-0228 EA 42" 4-Blade Ceiling Fan, Three Speed.....	525.25	51.73
For Brass Plated Motor, Add	20.25	
For Light Kit, Add	25.86	
<b>23 34 16 00-0229 5 Blade Ceiling Fans</b> (23 34 16 00-0226)		
23 34 16 00-0230 EA 42" 5-Blade Ceiling Fan, Three Speed.....	575.58	128.02
For Brass Plated Motor, Add	20.25	
For Light Kit, Add	25.91	
23 34 16 00-0231 EA 52" 5-Blade Ceiling Fan, Three Speed.....	657.85	128.02
For Brass Plated Motor, Add	20.25	
For Light Kit, Add	26.02	
<b>23 34 16 00-0232 3 Blade Weatherproof Ceiling Fans</b> (23 34 16 00-0226)		
23 34 16 00-0233 EA 3-Blade Ceiling Fan, Weatherproof, Three Speed.....	599.49	65.42
<b>23 34 16 00-0234 Ceiling Fan Down Rod</b> (23 34 16 00-0226)		
23 34 16 00-0235 EA 1' Ceiling Fan Down Rod.....	20.63	
23 34 16 00-0236 EA 1-1/2' Ceiling Fan Down Rod.....	27.54	
23 34 16 00-0237 EA 2' Ceiling Fan Down Rod.....	30.99	
23 34 16 00-0238 EA 3' Ceiling Fan Down Rod.....	42.10	
23 34 16 00-0239 EA 4' Ceiling Fan Down Rod.....	49.29	
23 34 16 00-0240 EA 5' Ceiling Fan Down Rod.....	60.86	
23 34 16 00-0241 EA 6' Ceiling Fan Down Rod.....	76.48	
<b>23 34 16 00-0242 Exhaust Fans</b> (23 34 16)		
<b>23 34 16 00-0243 Exhaust Fans</b> (23 34 16 00-0242)		
Note: Excludes ducting.		
<b>23 34 16 00-0244 Light Duty Exhaust Fans</b> (23 34 16 00-0243)		
<b>23 34 16 00-0245 Light Duty Exhaust Fans</b> (23 34 16 00-0244)		
23 34 16 00-0246 EA 50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670).....	133.12	41.81
23 34 16 00-0247 EA 70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671).....	141.39	41.81
23 34 16 00-0248 EA 180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505).....	240.67	41.81
23 34 16 00-0249 EA 350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504).....	307.06	41.81
23 34 16 00-0250 EA 160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503).....	273.36	41.81
23 34 16 00-0251 EA 270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502).....	367.63	41.81
<b>23 34 16 00-0252 Light Duty Exhaust Fans With Lights</b> (23 34 16 00-0244)		
23 34 16 00-0253 EA 50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678).....	177.35	41.81
23 34 16 00-0254 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679).....	198.07	41.81
23 34 16 00-0255 EA 100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680).....	380.29	41.81
<b>23 34 16 00-0256 Light Duty Exhaust Fans With Heaters</b> (23 34 16 00-0244)		
23 34 16 00-0257 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162).....	181.84	41.81
23 34 16 00-0258 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658).....	295.45	41.81
<b>23 34 16 00-0259 Light Duty Exhaust Fans With Heaters And Lights</b> (23 34 16 00-0244)		
23 34 16 00-0260 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655).....	315.15	41.81
23 34 16 00-0261 EA 100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL).....	484.25	41.81
<b>23 34 16 00-0262 Heavy Duty/Continuous Operation Exhaust Fans</b> (23 34 16 00-0243)		
<b>23 34 16 00-0263 Heavy Duty/Continuous Operation Exhaust Fans</b> (23 34 16 00-0262)		
Note: Includes enamel steel or aluminum grille.		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0264 EA 50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50) .....	213.13	41.81
23 34 16 00-0265 EA 80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80) .....	236.87	41.81
23 34 16 00-0266 EA 109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG) .....	442.40	41.81
23 34 16 00-0267 EA 157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG) .....	453.40	41.81
23 34 16 00-0268 EA 210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG) .....	487.65	41.81
23 34 16 00-0269 EA 259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG) .....	509.54	41.81
23 34 16 00-0270 EA 308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG) .....	518.02	41.81
23 34 16 00-0271 EA 434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400) .....	594.48	41.81
23 34 16 00-0272 EA 514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500) .....	678.81	41.81
23 34 16 00-0273 EA 701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700) .....	726.84	41.81
23 34 16 00-0274 EA 901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900) .....	867.17	41.81
23 34 16 00-0275 EA 1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500) .....	1,117.13	41.81
<b>23 34 16 00-0276 Heavy Duty/Continuous Operation Kitchen Exhaust Fans</b> <small>(23 34 16 00-0262)</small>		
<small>Note: Includes enamel steel or aluminum grille.</small>		
23 34 16 00-0277 EA 308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG) .....	459.81	41.81
23 34 16 00-0278 EA 434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K) .....	672.50	41.81
23 34 16 00-0279 EA 514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K) .....	711.89	41.81
<b>23 34 16 00-0280 Heavy Duty/Continuous Operation Exhaust Fans With Lights</b> <small>(23 34 16 00-0262)</small>		
23 34 16 00-0281 EA 50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L) .....	232.57	41.81
23 34 16 00-0282 EA 80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L) .....	254.87	41.81
<b>23 34 16 00-0283 Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans</b> <small>(23 34 16 00-0262)</small>		
23 34 16 00-0284 EA 50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF) .....	242.36	41.81
23 34 16 00-0285 EA 80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF) .....	257.13	41.81
23 34 16 00-0286 EA 110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF) .....	264.25	41.81
<b>23 34 16 00-0287 Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans</b> <small>(23 34 16 00-0243)</small>		
23 34 16 00-0288 EA 900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900) .....	1,200.12	41.81
23 34 16 00-0289 EA 1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050) .....	1,200.12	41.81
23 34 16 00-0290 EA 1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410) .....	1,200.12	41.81
23 34 16 00-0291 EA 1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550) .....	1,318.06	41.81
<b>23 34 16 00-0292 Room-To-Room Exhaust Fans</b> <small>(23 34 16 00-0243)</small>		
23 34 16 00-0293 EA 90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512) .....	171.77	41.81
23 34 16 00-0294 EA 180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511) .....	292.36	41.81
23 34 16 00-0295 EA 380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510) .....	336.30	41.81
<b>23 34 16 00-0296 Through-Wall Exhaust Fans</b> <small>(23 34 16 00-0243)</small>		
23 34 16 00-0297 EA 250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507) .....	313.33	41.81
23 34 16 00-0298 EA 470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506) .....	373.89	41.81
23 34 16 00-0299 EA 180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509) .....	271.69	41.81
23 34 16 00-0300 EA 270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508) .....	367.63	41.81
23 34 16 00-0301 EA 360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C) .....	651.66	41.81
<b>23 34 16 00-0302 Exhaust Fan Accessories</b> <small>(23 34 16 00-0243)</small>		
<b>23 34 16 00-0303 Exhaust Fan Controls</b> <small>(23 34 16 00-0302)</small>		
23 34 16 00-0304 EA Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57) .....	171.29	26.13
23 34 16 00-0305 EA 60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59) .....	117.72	26.13
23 34 16 00-0306 EA 60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61) .....	119.00	26.13

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 34 HVAC Fans**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 34 16 00-0307	Roof And Wall Caps For Exhaust Fans <small>(23 34 16 00-0302)</small>		
23 34 16 00-0308	Wall Caps For Exhaust Fans <small>(23 34 16 00-0307)</small>		
23 34 16 00-0309	EA Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	308.98	71.76
23 34 16 00-0310	EA Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	313.20	71.76
23 34 16 00-0311	Roof Caps For Exhaust Fans <small>(23 34 16 00-0307)</small>		
	Note: Includes flashing and built in bird screen.		
23 34 16 00-0312	EA Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	265.45	71.76
23 34 16 00-0313	EA Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	374.97	71.76
23 34 16 00-0314	EA CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	181.27	71.76
23 34 16 00-0315	EA CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	214.12	71.76
23 34 16 00-0316	Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan <small>(23 34 16 00-0243)</small>		
	Note: Includes storage and cleaning.		
23 34 16 00-0317	EA Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	99.11	
23 34 16 00-0318	Corrosion Proof Coated Explosion Proof Fans <small>(23 34 16)</small>		
23 34 16 00-0319	EA 1,200 CFM, 1/4 HP, 480 Volt, 3 Phase Centrifugal Fan, Explosion Proof Motor, Backdraft	2,030.48	280.83
23 34 16 00-0320	EA 6,500 CFM, 1 HP, 480 Volt, 3 Phase Centrifugal Fan, Explosion Proof Motor, Backdraft	6,783.04	527.70
<b>23 34 23</b>	<b>HVAC Power Ventilators <small>(23 34)</small></b>		
23 34 23 00-0001	Power Roof Ventilators <small>(23 34 23)</small>		
23 34 23 00-0002	Direct Drive, Aluminum, Centrifugal Roof Exhausters <small>(23 34 23 00-0001)</small>		
	Note: Greenheck G.		
23 34 23 00-0003	EA 1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	674.83	188.98
	Note: Three speed motor.		
	For 12" Roof Curb, Add	217.03	
	For Backdraft Damper, Add	126.52	
	For Solid State Speed Control, Add	108.94	
	For Damper Motor, Add	216.20	
23 34 23 00-0004	EA 1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	737.31	214.09
	Note: Three speed motor.		
	For 12" Roof Curb, Add	217.03	
	For Backdraft Damper, Add	126.52	
	For Solid State Speed Control, Add	108.94	
	For Damper Motor, Add	216.20	
23 34 23 00-0005	EA 1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,040.76	249.78
	For 12" Roof Curb, Add	222.14	
	For Backdraft Damper, Add	137.04	
	For Solid State Speed Control, Add	108.94	
	For Damper Motor, Add	216.20	
23 34 23 00-0006	EA 1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,074.84	281.49
	For 12" Roof Curb, Add	222.14	
	For Backdraft Damper, Add	137.04	
	For Solid State Speed Control, Add	108.94	
	For Damper Motor, Add	216.20	
23 34 23 00-0007	EA 1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,373.84	310.57
	For Solid State Speed Control, Add	108.94	
	For Damper Motor, Add	216.20	
23 34 23 00-0008	EA 1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,558.44	330.39
	For 12" Roof Curb, Add	230.65	
	For Backdraft Damper, Add	155.40	
	For Solid State Speed Control, Add	161.72	
	For Damper Motor, Add	216.20	
23 34 23 00-0009	Belt Drive, Aluminum, Centrifugal Roof Exhausters <small>(23 34 23 00-0001)</small>		
	Note: Greenheck GB.		
23 34 23 00-0010	EA 1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,565.93	281.49
	For 12" Roof Curb, Add	222.14	
	For Backdraft Damper, Add	137.04	
	For Damper Motor, Add	216.20	
23 34 23 00-0011	EA 1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,705.42	358.14
	For 12" Roof Curb, Add	230.65	
	For Backdraft Damper, Add	155.40	
	For Damper Motor, Add	216.20	
23 34 23 00-0012	EA 1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,295.58	426.87
	For 12" Roof Curb, Add	230.65	
	For Backdraft Damper, Add	155.40	
	For Damper Motor, Add	216.20	
23 34 23 00-0013	EA 3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,924.51	528.63
	For 12" Roof Curb, Add	271.51	
	For Backdraft Damper, Add	191.41	
	For Damper Motor, Add	216.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0014 EA 1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	3,849.03	660.78
<i>For 12" Roof Curb, Add</i>	290.24	
<i>For Backdraft Damper, Add</i>	207.80	
<i>For Damper Motor, Add</i>	216.20	
23 34 23 00-0015 EA 1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	5,262.95	825.97
<i>For 12" Roof Curb, Add</i>	319.19	
<i>For Backdraft Damper, Add</i>	230.07	
<i>For Damper Motor, Add</i>	216.20	
23 34 23 00-0016 EA 2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	5,303.81	825.97
<i>For 12" Roof Curb, Add</i>	319.19	
<i>For Backdraft Damper, Add</i>	230.07	
<i>For Damper Motor, Add</i>	216.20	
23 34 23 00-0017 EA 3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	5,744.76	825.97
<i>For 12" Roof Curb, Add</i>	319.19	
<i>For Backdraft Damper, Add</i>	230.07	
<i>For Damper Motor, Add</i>	216.20	
23 34 23 00-0018 EA 5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	5,525.87	825.97
<i>For 12" Roof Curb, Add</i>	319.19	
<i>For Backdraft Damper, Add</i>	230.07	
<i>For Damper Motor, Add</i>	216.20	
<b>23 34 23 00-0019 Propeller Exhaust Fans, Roof Mounted Upblast</b> <small>(23 34 23 00-0001)</small>		
Note: Includes back draft damper and birdscreen and curb.		
23 34 23 00-0020 EA 30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure .....	8,275.25	1,016.28
23 34 23 00-0021 EA 36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure .....	13,471.33	1,321.17
<b>23 34 23 00-0022 Belt Drive Supply Fans</b> <small>(23 34 23 00-0001)</small>		
23 34 23 00-0023 EA 4,500 CFM, 24" x 24" Supply Fan, Roof Mounted .....	3,302.64	527.70
23 34 23 00-0024 EA 10,000 CFM, 36" x 36" Supply Fan, Roof Mounted .....	4,449.88	660.65
<b>23 34 23 00-0025 Fan Thermostat</b> <small>(23 34 23 00-0001)</small>		
23 34 23 00-0026 EA 50 To 120 Degree Line Voltage Fan Thermostat.....	131.21	
<b>23 34 23 00-0027 Power Wall Ventilators</b> <small>(23 34 23)</small>		
<b>23 34 23 00-0028 Centrifugal Sidewall Exhausters</b> <small>(23 34 23 00-0027)</small>		
<b>23 34 23 00-0029 Direct Drive, Aluminum, Centrifugal Sidewall Exhauster</b> <small>(23 34 23 00-0028)</small>		
Note: Greenheck CW.		
23 34 23 00-0030 EA 1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster .....	896.57	212.77
<i>For Solid State Speed Control, Add</i>	161.72	
<i>For Backdraft Damper, Add</i>	164.31	
<i>For Damper Motor, Add</i>	354.09	
<i>For Interior Wall Grill, Add</i>	115.35	
23 34 23 00-0031 EA 1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster .....	1,030.23	249.78
<i>For Solid State Speed Control, Add</i>	161.72	
<i>For Backdraft Damper, Add</i>	182.67	
<i>For Damper Motor, Add</i>	354.09	
<i>For Interior Wall Grill, Add</i>	137.09	
23 34 23 00-0032 EA 1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster .....	1,513.62	281.49
<i>For Solid State Speed Control, Add</i>	161.72	
<i>For Backdraft Damper, Add</i>	206.89	
<i>For Damper Motor, Add</i>	354.09	
<i>For Interior Wall Grill, Add</i>	158.84	
<b>23 34 23 00-0033 Belt Drive, Aluminum, Centrifugal Sidewall Exhausters</b> <small>(23 34 23 00-0028)</small>		
Note: Greenheck CWB.		
23 34 23 00-0034 EA 1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster .....	2,182.34	159.05
<i>For Solid State Speed Control, Add</i>	161.72	
<i>For Backdraft Damper, Add</i>	195.04	
<i>For Damper Motor, Add</i>	354.09	
<i>For Interior Wall Grill, Add</i>	240.18	
23 34 23 00-0035 EA 1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster .....	2,310.98	179.11
<i>For Solid State Speed Control, Add</i>	161.72	
<i>For Backdraft Damper, Add</i>	195.04	
<i>For Damper Motor, Add</i>	354.09	
<i>For Interior Wall Grill, Add</i>	240.18	
23 34 23 00-0036 EA 3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster .....	2,830.76	204.89
<i>For Solid State Speed Control, Add</i>	161.72	
<i>For Backdraft Damper, Add</i>	242.28	
<i>For Damper Motor, Add</i>	354.09	
<i>For Interior Wall Grill, Add</i>	278.95	
<b>23 34 33 Air Curtains</b> <small>(23 34)</small>		
23 34 33 00-0001 Unheated Air Curtains For Entrances <small>(23 34 33)</small>		
23 34 33 00-0002 Unheated Air Curtains, Standard Velocity <small>(23 34 33 00-0001)</small>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0003	EA		Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated.....	2,508.64	968.70
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
			For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	509.12	
			For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	378.20	
			For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	581.85	
			For Flat Side Extension Plates, Add	148.58	
			For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0004	EA		Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated.....	2,539.23	968.70
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
			For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	509.12	
			For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	378.20	
			For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	581.85	
			For Flat Side Extension Plates, Add	148.58	
			For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0005	EA		Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated.....	2,572.38	968.70
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
			For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	509.12	
			For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	378.20	
			For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	581.85	
			For Flat Side Extension Plates, Add	148.58	
			For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0006	EA		Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated.....	3,120.54	968.70
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
			For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	509.12	
			For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	378.20	
			For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	581.85	
			For Flat Side Extension Plates, Add	148.58	
			For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0007	EA		Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated.....	3,562.10	1,162.97
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
			For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	509.12	
			For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	378.20	
			For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	581.85	
			For Flat Side Extension Plates, Add	148.58	
			For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0008	EA		Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated.....	3,753.32	1,162.97
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
			For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	509.12	
			For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	378.20	
			For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	581.85	
			For Flat Side Extension Plates, Add	148.58	
			For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0009	EA		Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated.....	4,177.38	1,341.39
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
			For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	509.12	
			For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	378.20	
			For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	581.85	
			For Flat Side Extension Plates, Add	148.58	
			For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0010	EA		Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated.....	4,940.99	1,341.39
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
			For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	509.12	
			For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	378.20	
			For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	581.85	
			For Flat Side Extension Plates, Add	148.58	
			For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0011 EA Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated.....	5,037.87	1,341.39
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	187.02	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	509.12	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	378.20	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	581.85	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
23 34 33 00-0012 EA Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated.....	5,295.38	1,341.39
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	187.02	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	509.12	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	378.20	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	581.85	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
<b>23 34 33 00-0013 Unheated Air Curtains, High Velocity (23 34 33 00-0001)</b>		
23 34 33 00-0014 EA High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated.....	3,016.01	968.70
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	187.02	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	297.16	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
23 34 33 00-0015 EA High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated.....	3,055.53	968.70
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	187.02	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	297.16	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
23 34 33 00-0016 EA High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated.....	3,072.10	968.70
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	187.02	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	297.16	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
23 34 33 00-0017 EA High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated.....	3,103.97	968.70
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	187.02	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	297.16	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
23 34 33 00-0018 EA High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated.....	4,724.72	1,162.97
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	187.02	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	297.16	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
23 34 33 00-0019 EA High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated.....	4,921.03	1,162.97
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	187.02	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	297.16	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
23 34 33 00-0020 EA High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated.....	5,272.44	1,341.39
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	187.02	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	297.16	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
23 34 33 00-0021 EA High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated.....	5,951.91	1,341.39
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	187.02	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	297.16	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0022 EA High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated.....	6,023.29	1,341.39
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	297.16	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0023 EA High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated.....	6,301.20	1,341.39
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	297.16	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
<b>23 34 33 00-0024 Service Window Unheated Air Curtains (23 34 33 00-0001)</b>		
Note: Normal window sizes.		
23 34 33 00-0025 EA Air Curtain For 2.5' x 5' Service Window, Unheated .....	2,259.84	763.87
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
<b>23 34 33 00-0026 Heated Air Curtains For Entrances (23 34 33)</b>		
Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027 EA 60" Heated Air Curtain With 1- 300 MBH Heater .....	4,088.70	853.07
For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0028 EA 60" Heated Air Curtain With 1- 400 MBH Heater .....	4,406.32	853.07
For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0029 EA 72" Heated Air Curtain With 1- 350 MBH Heater .....	4,905.60	1,023.55
For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0030 EA 72" Heated Air Curtain With 2- 250 MBH Heaters .....	5,286.74	1,023.55
For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0031 EA 96" Heated Air Curtain With 1- 400 MBH Heater .....	6,539.67	1,364.51
For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0032 EA 96" Heated Air Curtain With 2- 350 MBH Heaters .....	7,047.86	1,364.51
For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0033 EA 117" Heated Air Curtain With 2- 300 MBH Heaters .....	7,969.03	1,662.52
For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0034 EA 117" Heated Air Curtain With 2- 400 MBH Heaters .....	8,588.38	1,662.52
For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0035 EA 147" Heated Air Curtain With 2- 350 MBH Heaters .....	10,013.11	2,088.72
For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0036 EA 147" Heated Air Curtain With 3- 350 MBH Heaters .....	11,553.56	2,088.72
For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0037 EA 168" Heated Air Curtain With 2- 400 MBH Heaters .....	11,444.42	2,387.40
For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0038 EA 168" Heated Air Curtain With 3- 400 MBH Heaters .....	13,204.55	2,387.40
For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0039 EA 192" Heated Air Curtain With 2- 400 MBH Heaters .....	13,074.83	2,728.36
For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0040 EA 192" Heated Air Curtain With 4- 350 MBH Heaters .....	15,086.42	2,728.36
For Door Limit Switch, Combination Roller And Plunger, Add	187.02	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	

**23 35 Special Exhaust Systems** (23 30)

See CSI section 23 31 13 16-0075 for spiral duct/piping.

**23 35 13 Dust Collection Systems** (23 35)

**23 35 13 13 Sawdust Collection Systems** (23 35 13)

**23 35 13 13-0001 Dust Collector System** (23 35 13 13)

23 35 13 13-0002 EA 1.5 HP Dust Collector Central Vacuum Unit .....	4,661.67	1,146.27
Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0003 EA 2 HP Dust Collector Central Vacuum Unit .....	5,255.18	1,361.20
Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0004 EA 2-1/2 HP Dust Collector Central Vacuum Unit .....	6,291.33	1,576.12
Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0005 EA 3 HP Dust Collector Central Vacuum Unit .....	7,200.64	1,862.69
Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0006 EA 5 HP Dust Collector Central Vacuum Unit .....	14,357.12	2,057.27
Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 13-0007 EA 7-1/2 HP Dust Collector Central Vacuum Unit .....	17,386.28	2,400.14
Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 13-0008 EA 10 HP Dust Collector Central Vacuum Unit .....	19,913.23	2,743.03
Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 13-0009 EA 15 HP Dust Collector Central Vacuum Unit .....	22,415.06	3,154.48
Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.		
23 35 13 13-0010 EA 20 HP Dust Collector Central Vacuum Unit .....	25,027.53	3,565.93
Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.		

**23 35 13 13-0011 Vacuum Tubing And Accessories** (23 35 13 13)

**23 35 13 13-0012 Vacuum Tubing** (23 35 13 13-0011)

**23 35 13 13-0013 Flexible Hose** (23 35 13 13-0012)

23 35 13 13-0014 LF 2" Flexible Hose .....	12.86	2.37
23 35 13 13-0015 LF 3" Flexible Hose .....	15.33	2.65
23 35 13 13-0016 LF 4" Flexible Hose .....	16.65	2.91

**23 35 13 13-0017 Galvanized Vacuum Tubing** (23 35 13 13-0012)

23 35 13 13-0018 LF 2-1/8" Outside Diameter Vacuum Tubing, Galvanized .....	10.66	2.37
23 35 13 13-0019 LF 2-1/2" Outside Diameter Vacuum Tubing, Galvanized .....	11.87	2.52
23 35 13 13-0020 LF 3" Outside Diameter Vacuum Tubing, Galvanized .....	13.95	2.65
23 35 13 13-0021 LF 3-1/2" Outside Diameter Vacuum Tubing, Galvanized .....	17.82	2.78
23 35 13 13-0022 LF 4" Outside Diameter Vacuum Tubing, Galvanized .....	18.35	2.91
23 35 13 13-0023 LF 5" Outside Diameter Vacuum Tubing, Galvanized .....	29.62	3.30
23 35 13 13-0024 LF 6" Outside Diameter Vacuum Tubing, Galvanized .....	33.41	3.83
23 35 13 13-0025 LF 8" Outside Diameter Vacuum Tubing, Galvanized .....	45.28	5.28
23 35 13 13-0026 LF 10" Outside Diameter Vacuum Tubing, Galvanized .....	53.25	6.61
23 35 13 13-0027 LF 12" Outside Diameter Vacuum Tubing, Galvanized .....	128.87	8.72

**23 35 13 13-0028 Vacuum Fittings, Galvanized** (23 35 13 13-0011)

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 35 Special Exhaust Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 35 13 13-0029</b> <b>90 Degree Elbow</b> <small>(23 35 13 13-0028)</small>		
23 35 13 13-0030 EA 2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized .....	55.14	15.20
23 35 13 13-0031 EA 2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized .....	66.96	16.26
23 35 13 13-0032 EA 3" 90 Degree Elbow, Vacuum Tubing, Galvanized .....	82.14	17.71
23 35 13 13-0033 EA 3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized .....	96.08	19.17
23 35 13 13-0034 EA 4" 90 Degree Elbow, Vacuum Tubing, Galvanized .....	113.56	21.15
23 35 13 13-0035 EA 5" 90 Degree Elbow, Vacuum Tubing, Galvanized .....	181.83	23.52
23 35 13 13-0036 EA 6" 90 Degree Elbow, Vacuum Tubing, Galvanized .....	238.90	26.43
23 35 13 13-0037 EA 8" 90 Degree Elbow, Vacuum Tubing, Galvanized .....	422.48	35.28
<b>23 35 13 13-0038</b> <b>45 Degree Elbow</b> <small>(23 35 13 13-0028)</small>		
23 35 13 13-0039 EA 2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized .....	52.15	15.20
23 35 13 13-0040 EA 2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized .....	64.49	16.26
23 35 13 13-0041 EA 3" 45 Degree Elbow, Vacuum Tubing, Galvanized .....	73.85	17.71
23 35 13 13-0042 EA 3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized .....	86.74	19.17
23 35 13 13-0043 EA 4" 45 Degree Elbow, Vacuum Tubing, Galvanized .....	104.92	21.15
23 35 13 13-0044 EA 5" 45 Degree Elbow, Vacuum Tubing, Galvanized .....	151.87	23.52
23 35 13 13-0045 EA 6" 45 Degree Elbow, Vacuum Tubing, Galvanized .....	194.84	26.43
23 35 13 13-0046 EA 8" 45 Degree Elbow, Vacuum Tubing, Galvanized .....	348.46	35.28
<b>23 35 13 13-0047</b> <b>Wye</b> <small>(23 35 13 13-0028)</small>		
23 35 13 13-0048 EA 2-1/8" Wye, Vacuum Tubing, Galvanized .....	98.86	25.11
23 35 13 13-0049 EA 2-1/2" Wye, Vacuum Tubing, Galvanized .....	117.07	27.09
23 35 13 13-0050 EA 3" Wye, Vacuum Tubing, Galvanized .....	140.86	29.08
23 35 13 13-0051 EA 3-1/2" Wye, Vacuum Tubing, Galvanized .....	169.24	32.38
23 35 13 13-0052 EA 4" Wye, Vacuum Tubing, Galvanized .....	221.54	35.02
23 35 13 13-0053 EA 5" Wye, Vacuum Tubing, Galvanized .....	363.52	38.99
23 35 13 13-0054 EA 6" Wye, Vacuum Tubing, Galvanized .....	477.51	44.27
23 35 13 13-0055 EA 8" Wye, Vacuum Tubing, Galvanized .....	922.70	48.23
23 35 13 13-0056 EA 10" Wye, Vacuum Tubing, Galvanized .....	1,270.48	52.86
23 35 13 13-0057 EA 12" Wye, Vacuum Tubing, Galvanized .....	1,601.12	59.21
<b>23 35 13 13-0058</b> <b>Reducer</b> <small>(23 35 13 13-0028)</small>		
23 35 13 13-0059 EA 3" Reducer, Vacuum Tubing, Galvanized .....	57.98	17.71
23 35 13 13-0060 EA 4" Reducer, Vacuum Tubing, Galvanized .....	64.26	19.17
23 35 13 13-0061 EA 5" Reducer, Vacuum Tubing, Galvanized .....	79.52	21.15
23 35 13 13-0062 EA 6" Reducer, Vacuum Tubing, Galvanized .....	86.15	23.52
23 35 13 13-0063 EA 8" Reducer, Vacuum Tubing, Galvanized .....	100.24	26.43
<b>23 35 13 13-0064</b> <b>Air Gate Valve, Galvanized</b> <small>(23 35 13 13-0011)</small>		
23 35 13 13-0065 EA 2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized .....	355.69	35.28
23 35 13 13-0066 EA 2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized .....	372.99	37.67
23 35 13 13-0067 EA 3" Air Gate Valve, Vacuum Tubing, Galvanized .....	427.27	40.58
23 35 13 13-0068 EA 3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized .....	484.78	43.34
23 35 13 13-0069 EA 4" Air Gate Valve, Vacuum Tubing, Galvanized .....	545.39	45.99
23 35 13 13-0070 EA 5" Air Gate Valve, Vacuum Tubing, Galvanized .....	642.99	52.47
23 35 13 13-0071 EA 6" Air Gate Valve, Vacuum Tubing, Galvanized .....	739.46	58.81
<b>23 35 16 Engine Exhaust Systems</b> <small>(23 35)</small>		
<b>23 35 16 16 Mechanical Engine Exhaust Systems</b> <small>(23 35 16)</small>		
<b>23 35 16 16-0001</b> <b>Overhead Tailpipe Exhaust System</b> <small>(23 35 16 16)</small>		
<b>23 35 16 16-0002</b> <b>Overhead Tailpipe Exhaust Blowers</b> <small>(23 35 16 16-0001)</small>		
<b>23 35 16 16-0003</b> <b>Overhead Direct Drive Tailpipe Exhaust Blowers</b> <small>(23 35 16 16-0002)</small>		
23 35 16 16-0004 EA 495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System .....	3,575.76	281.49
23 35 16 16-0005 EA 1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System .....	4,216.60	574.88
23 35 16 16-0006 EA 1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System .....	5,836.01	696.47
<b>23 35 16 16-0007</b> <b>Overhead Belt Drive Tailpipe Exhaust Blowers</b> <small>(23 35 16 16-0002)</small>		
23 35 16 16-0008 EA 1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System .....	4,104.72	574.88
23 35 16 16-0009 EA 2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System .....	4,398.92	696.47
23 35 16 16-0010 EA 2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System .....	5,349.99	1,102.18
23 35 16 16-0011 EA 4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System .....	6,570.11	1,422.00
23 35 16 16-0012 EA 7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System .....	8,271.52	1,694.24
<b>23 35 16 16-0013</b> <b>Spiral Exhaust Duct Accessories</b> <small>(23 35 16 16-0001)</small>		
<b>23 35 16 16-0014</b> <b>Flex Hose x Length</b> <small>(23 35 16 16-0013)</small>		
Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0015 EA 3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	182.99	70.05
23 35 16 16-0016 EA 3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	162.96	70.05





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 16 16-0017 EA 4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	282.89	111.02
23 35 16 16-0018 EA 4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	249.42	111.02
23 35 16 16-0019 EA 5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	414.08	175.77
23 35 16 16-0020 EA 5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	402.10	175.77
23 35 16 16-0021 EA 6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	639.39	278.85
23 35 16 16-0022 EA 6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	614.19	278.85
<b>23 35 16 16-0023 Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter</b> <small>(23 35 16 16-0013)</small>		
23 35 16 16-0024 EA 4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	198.96	70.05
23 35 16 16-0025 EA 5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	294.55	111.02
23 35 16 16-0026 EA 4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	175.89	70.05
23 35 16 16-0027 EA 5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	260.32	111.02
23 35 16 16-0028 EA 6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	1,271.41	94.36
23 35 16 16-0029 EA 8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter .....	1,170.01	173.12
23 35 16 16-0030 EA 10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter .....	1,278.49	173.12
23 35 16 16-0031 LF 8" Heat-Resistant Fabric Flex Hose (650 Degree F.) .....	63.58	13.48
23 35 16 16-0032 LF 10" Heat-Resistant Fabric Flex Hose (650 Degree F.) .....	70.25	13.48
<b>23 35 16 16-0033 Flexible Hose</b> <small>(23 35 16 16-0013)</small>		
23 35 16 16-0034 LF 3" Stainless Steel Flexible Tubing .....	35.67	3.30
23 35 16 16-0035 LF 4" Stainless Steel Flexible Tubing .....	45.12	3.70
23 35 16 16-0036 LF 5" Stainless Steel Flexible Tubing .....	53.37	3.83
23 35 16 16-0037 LF 6" Stainless Steel Flexible Tubing .....	62.75	4.09
23 35 16 16-0038 LF 3" Galvanized Flexible Tubing .....	22.84	3.30
23 35 16 16-0039 LF 4" Galvanized Flexible Tubing .....	26.74	3.70
23 35 16 16-0040 LF 5" Galvanized Flexible Tubing .....	30.55	3.83
23 35 16 16-0041 LF 6" Galvanized Flexible Tubing .....	34.00	4.09
<b>23 35 16 16-0042 Accessories</b> <small>(23 35 16 16-0001)</small>		
23 35 16 16-0043 EA 3" Tail Pipe Adapter .....	52.93	9.91
23 35 16 16-0044 EA 4" Tail Pipe Adapter .....	54.25	9.91
23 35 16 16-0045 EA 5" Tail Pipe Adapter .....	58.23	11.23
23 35 16 16-0046 EA 3" Bullnose (Guide) .....	30.14	6.61
23 35 16 16-0047 EA 4" Bullnose (Guide) .....	32.20	7.26
23 35 16 16-0048 EA 5" Bullnose (Guide) .....	34.48	7.93
23 35 16 16-0049 EA Flex-Hose Winch And Associated Hardware .....	238.97	74.94
23 35 16 16-0050 LF Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope .....	0.11	
<b>23 35 19 Fume Exhaust Systems</b> <small>(23 35)</small>		
23 35 19 00-0001 EA Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle .....	2,627.53	528.22
23 35 19 00-0002 EA Hose Extension Kit 5' .....	459.50	117.35
<b>23 36 Air Terminal Units</b> <small>(23 30)</small>		
<b>23 36 13 Constant-Air-Volume Units</b> <small>(23 36)</small>		
<b>23 36 13 00-0001 Vertical Units, With Electric Heating Coils</b> <small>(23 36 13)</small>		
23 36 13 00-0002 EA 60 CFM Vertical Induction Unit, With Electric Heating Coils .....	1,422.03	137.89
23 36 13 00-0003 EA 90 CFM Vertical Induction Unit, With Electric Heating Coils .....	1,707.83	148.49
23 36 13 00-0004 EA 120 CFM Vertical Induction Unit, With Electric Heating Coils .....	1,821.25	153.80
23 36 13 00-0005 EA 150 CFM Vertical Induction Unit, With Electric Heating Coils .....	1,945.29	164.41
23 36 13 00-0006 EA 175 CFM Vertical Induction Unit, With Electric Heating Coils .....	2,191.76	169.71
<b>23 36 13 00-0007 Horizontal Units, With Electric Heating Coils</b> <small>(23 36 13)</small>		
23 36 13 00-0008 EA 60 CFM Horizontal Induction Unit, With Electric Heating Coils .....	1,210.48	137.89
23 36 13 00-0009 EA 90 CFM Horizontal Induction Unit, With Electric Heating Coils .....	1,443.25	148.49
23 36 13 00-0010 EA 120 CFM Horizontal Induction Unit, With Electric Heating Coils .....	1,718.66	156.46
<b>23 36 13 00-0011 Duct Boxes, Constant Volume Control</b> <small>(23 36 13)</small>		
<b>23 36 13 00-0012 Single Duct Boxes, Constant Volume Control</b> <small>(23 36 13 00-0011)</small>		
23 36 13 00-0013 EA 4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control .....	1,334.03	54.44
<i>For Boxes With Motor, Add</i>	223.82	
23 36 13 00-0014 EA 6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control .....	1,475.89	58.75
<i>For Boxes With Motor, Add</i>	248.28	
23 36 13 00-0015 EA 7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control .....	1,536.02	64.47
<i>For Boxes With Motor, Add</i>	255.62	
23 36 13 00-0016 EA 9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control .....	1,565.10	67.34
<i>For Boxes With Motor, Add</i>	259.29	
23 36 13 00-0017 EA 12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control .....	1,592.90	74.51
<i>For Boxes With Motor, Add</i>	259.29	
23 36 13 00-0018 EA 14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control .....	1,820.98	83.10
<i>For Boxes With Motor, Add</i>	297.21	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 36 Air Terminal Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 13 00-0019	EA		16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control .....	1,914.85	93.14
			<i>For Boxes With Motor, Add</i>	308.21	
23 36 13 00-0020	EA		20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control.....	2,041.32	111.77
			<i>For Boxes With Motor, Add</i>	319.33	
23 36 13 00-0021	EA		24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control .....	2,166.96	128.96
			<i>For Boxes With Motor, Add</i>	330.23	
<b>23 36 13 00-0022</b>			<b>Dual Duct Boxes, Constant Volume Control</b> <small>(23 36 13 00-0011)</small>		
23 36 13 00-0023	EA		4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control.....	1,860.50	54.44
			<i>For Boxes With Motor, Add</i>	329.12	
23 36 13 00-0024	EA		6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control.....	1,991.14	58.75
			<i>For Boxes With Motor, Add</i>	351.33	
23 36 13 00-0025	EA		7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control.....	2,080.54	64.47
			<i>For Boxes With Motor, Add</i>	364.53	
23 36 13 00-0026	EA		9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control.....	2,167.66	67.34
			<i>For Boxes With Motor, Add</i>	379.80	
23 36 13 00-0027	EA		12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control.....	2,195.46	74.51
			<i>For Boxes With Motor, Add</i>	379.80	
23 36 13 00-0028	EA		14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control.....	2,522.11	84.54
			<i>For Boxes With Motor, Add</i>	437.43	
23 36 13 00-0029	EA		16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control.....	2,758.62	93.14
			<i>For Boxes With Motor, Add</i>	477.01	
23 36 13 00-0030	EA		20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control.....	2,979.00	111.77
			<i>For Boxes With Motor, Add</i>	506.87	
23 36 13 00-0031	EA		24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control.....	3,119.58	128.96
			<i>For Boxes With Motor, Add</i>	520.75	
<b>23 36 16</b>			<b>Variable-Air-Volume Units</b> <small>(23 36)</small>		
23 36 16 00-0001			<b>Variable Volume Terminal Unit</b> <small>(23 36 16)</small>		
			Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		
23 36 16 00-0002			<b>Single Duct Variable Volume Terminal Unit</b> <small>(23 36 16 00-0001)</small>		
			Note: Enclosure only. For mounting DDC controls.		
23 36 16 00-0003	EA		6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only .....	611.26	65.91
			Note: For mounting DDC controls		
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0004	EA		8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only .....	684.89	74.51
			Note: For mounting DDC controls		
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0005	EA		10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only .....	763.33	83.10
			Note: For mounting DDC controls		
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0006	EA		12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only .....	817.67	93.14
			Note: For mounting DDC controls		
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0007	EA		14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only .....	1,124.38	200.46
			Note: For mounting DDC controls		
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0008	EA		16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only .....	1,378.12	237.86
			Note: For mounting DDC controls		
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0009			<b>Single Duct Variable Volume Terminal Unit</b> <small>(23 36 16 00-0001)</small>		
			Note: With pneumatic controls.		
23 36 16 00-0010	EA		6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller .....	1,226.33	65.91
			<i>For Fan Powered Variable Air Volume Box, Add</i>	1,253.35	
			<i>For Filters And Frames, Add</i>	6.30	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Hot Water Coils, Add</i>	391.68	
23 36 16 00-0011	EA		8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller .....	1,328.83	74.51
			<i>For Fan Powered Variable Air Volume Box, Add</i>	1,342.95	
			<i>For Filters And Frames, Add</i>	6.30	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Hot Water Coils, Add</i>	418.69	
23 36 16 00-0012	EA		10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller .....	1,396.17	83.10
			<i>For Fan Powered Variable Air Volume Box, Add</i>	1,385.83	
			<i>For Filters And Frames, Add</i>	6.30	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Hot Water Coils, Add</i>	430.39	
23 36 16 00-0013	EA		12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller .....	1,461.60	93.14
			<i>For Fan Powered Variable Air Volume Box, Add</i>	1,425.97	
			<i>For Filters And Frames, Add</i>	6.30	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Hot Water Coils, Add</i>	441.20	
23 36 16 00-0014	EA		14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller.....	1,708.36	200.46
			<i>For Fan Powered Variable Air Volume Box, Add</i>	1,603.02	
			<i>For Filters And Frames, Add</i>	6.30	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Hot Water Coils, Add</i>	491.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0015 EA 16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller ..... <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Filters And Frames, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Hot Water Coils, Add</i>	2,010.96 1,744.62 6.30 67.57 524.94	237.86
<b>23 36 16 00-0016 Single Duct Variable Volume Terminal Unit</b> <small>(23 36 16 00-0001)</small> Note: With analog electronic controls.		
23 36 16 00-0017 EA 6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls ..... <i>For Filters And Frames, Add</i> <i>For Hot Water Coils, Add</i>	1,992.39 6.30 702.31	65.91
23 36 16 00-0018 EA 8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls ..... <i>For Filters And Frames, Add</i> <i>For Hot Water Coils, Add</i>	2,077.13 6.30 722.12	74.51
23 36 16 00-0019 EA 10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls ..... <i>For Filters And Frames, Add</i> <i>For Hot Water Coils, Add</i>	2,155.57 6.30 738.33	83.10
23 36 16 00-0020 EA 12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls ..... <i>For Filters And Frames, Add</i> <i>For Hot Water Coils, Add</i>	2,263.20 6.30 766.24	93.14
23 36 16 00-0021 EA 14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls ..... <i>For Filters And Frames, Add</i> <i>For Hot Water Coils, Add</i>	2,512.17 6.30 817.57	200.46
23 36 16 00-0022 EA 16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls ..... <i>For Filters And Frames, Add</i> <i>For Hot Water Coils, Add</i>	2,556.58 6.30 835.57	200.46
<b>23 36 16 00-0023 Dual Duct Variable Volume Terminal Unit</b> <small>(23 36 16 00-0001)</small> Note: With flow control installation, plenum system power box, thermostat.		
23 36 16 00-0024 EA 6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	1,381.86 6.30	130.24
23 36 16 00-0025 EA 8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	1,513.33 6.30	148.30
23 36 16 00-0026 EA 10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	1,623.42 6.30	167.50
23 36 16 00-0027 EA 12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	1,781.55 6.30	186.84
23 36 16 00-0028 EA 14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	2,004.65 6.30	214.92
23 36 16 00-0029 EA 16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	2,209.91 6.30	257.91
<b>23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)</b> <small>(23 36 16 00-0001)</small>		
23 36 16 00-0031 EA 0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)..... <i>For Filters And Frames, Add</i>	641.60 6.30	89.55
23 36 16 00-0032 EA 0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)..... <i>For Filters And Frames, Add</i>	697.26 6.30	98.51
23 36 16 00-0033 EA 0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)..... <i>For Filters And Frames, Add</i>	754.31 6.30	107.46
23 36 16 00-0034 EA 0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)..... <i>For Filters And Frames, Add</i>	812.83 6.30	116.41
23 36 16 00-0035 EA 0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)..... <i>For Filters And Frames, Add</i>	872.96 6.30	125.37
23 36 16 00-0036 EA 0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)..... <i>For Filters And Frames, Add</i>	934.79 6.30	134.33
23 36 16 00-0037 EA 0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)..... <i>For Filters And Frames, Add</i>	1,003.10 6.30	143.29
23 36 16 00-0038 EA 0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)..... <i>For Filters And Frames, Add</i>	1,069.03 6.30	152.24
23 36 16 00-0039 EA 0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J)..... <i>For Filters And Frames, Add</i>	1,137.05 6.30	161.19
23 36 16 00-0040 EA 0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K)..... <i>For Filters And Frames, Add</i>	1,207.32 6.30	170.15
23 36 16 00-0041 EA 0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)..... <i>For Filters And Frames, Add</i>	1,280.03 6.30	179.11
23 36 16 00-0042 EA 0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)..... <i>For Filters And Frames, Add</i>	1,355.29 6.30	188.06
23 36 16 00-0043 EA 0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N)..... <i>For Filters And Frames, Add</i>	1,433.32 6.30	197.02
23 36 16 00-0044 EA 0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P)..... <i>For Filters And Frames, Add</i>	1,507.92 6.30	205.97
23 36 16 00-0045 EA 0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R)..... <i>For Filters And Frames, Add</i>	1,591.62 6.30	214.92

**23 37 Air Outlets and Inlets** (23 30)

**23 37 13 Diffusers, Registers, and Grilles** (23 37)

**23 37 13 13 Diffusers, Registers, and Grilles** (23 37 13)

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 37 13 13-0001 Ceiling Diffusers</b> <small>(23 37 13 13)</small>		
<b>23 37 13 13-0002 Ceiling Diffusers With Perforated Face</b> <small>(23 37 13 13-0001)</small>		
Note: Flush mount, aluminum construction, includes damper.		
23 37 13 13-0003 EA 6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	128.80	18.63
For Stainless Steel, Add	137.78	
For Surface Mount, Deduct	-6.61	
For Steel Construction, Deduct	-8.27	
For Diffuser Without Damper, Deduct	-11.02	
23 37 13 13-0004 EA 8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	141.05	18.63
For Stainless Steel, Add	168.40	
For Surface Mount, Deduct	-8.08	
For Steel Construction, Deduct	-10.10	
For Diffuser Without Damper, Deduct	-13.47	
23 37 13 13-0005 EA 9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	141.05	18.63
For Stainless Steel, Add	168.40	
For Surface Mount, Deduct	-8.08	
For Steel Construction, Deduct	-10.10	
For Diffuser Without Damper, Deduct	-13.47	
23 37 13 13-0006 EA 10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	169.56	22.92
For Stainless Steel, Add	201.58	
For Surface Mount, Deduct	-9.68	
For Steel Construction, Deduct	-12.09	
For Diffuser Without Damper, Deduct	-16.13	
23 37 13 13-0007 EA 12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	169.56	21.49
For Stainless Steel, Add	201.58	
For Surface Mount, Deduct	-9.68	
For Steel Construction, Deduct	-12.09	
For Diffuser Without Damper, Deduct	-16.13	
23 37 13 13-0008 EA 16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	192.01	21.49
For Stainless Steel, Add	257.70	
For Surface Mount, Deduct	-12.37	
For Steel Construction, Deduct	-15.46	
For Diffuser Without Damper, Deduct	-20.62	
23 37 13 13-0009 EA 18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	222.49	28.66
For Stainless Steel, Add	277.10	
For Surface Mount, Deduct	-13.30	
For Steel Construction, Deduct	-16.63	
For Diffuser Without Damper, Deduct	-22.17	
23 37 13 13-0010 EA 20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	255.63	30.09
For Stainless Steel, Add	346.00	
For Surface Mount, Deduct	-16.61	
For Steel Construction, Deduct	-20.76	
For Diffuser Without Damper, Deduct	-27.68	
23 37 13 13-0011 EA 24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	290.37	34.39
For Stainless Steel, Add	384.78	
For Surface Mount, Deduct	-18.47	
For Steel Construction, Deduct	-23.09	
For Diffuser Without Damper, Deduct	-30.78	
For Lay-In Mount, Deduct	-18.47	
<b>23 37 13 13-0012 Ceiling Diffusers With Louver Face</b> <small>(23 37 13 13-0001)</small>		
Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.		
23 37 13 13-0013 EA 6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	132.89	18.63
For Stainless Steel, Add	148.00	
For Steel Construction, Deduct	-8.88	
For Flush Mount, Add	8.88	
23 37 13 13-0014 EA 8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	148.81	18.63
For Stainless Steel, Add	187.80	
For Steel Construction, Deduct	-11.27	
For Flush Mount, Add	11.27	
23 37 13 13-0015 EA 9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	148.81	18.63
For Stainless Steel, Add	187.80	
For Steel Construction, Deduct	-11.27	
For Flush Mount, Add	11.27	
23 37 13 13-0016 EA 10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	178.75	21.49
For Stainless Steel, Add	224.55	
For Steel Construction, Deduct	-13.47	
For Flush Mount, Add	13.47	
23 37 13 13-0017 EA 12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	178.75	22.92
For Stainless Steel, Add	224.55	
For Steel Construction, Deduct	-13.47	
For Flush Mount, Add	13.47	
23 37 13 13-0018 EA 24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	229.72	28.66
For Stainless Steel, Add	293.95	
For Steel Construction, Deduct	-17.64	
For Flush Mount, Add	17.64	
23 37 13 13-0019 EA 14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	208.08	28.66
For Stainless Steel, Add	239.85	
For Steel Construction, Deduct	-14.39	
For Flush Mount, Add	14.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0020 EA 18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper.....	258.83	34.39
<i>For Stainless Steel, Add</i>	307.73	
<i>For Steel Construction, Deduct</i>	-18.46	
<i>For Flush Mount, Add</i>	18.46	
23 37 13 13-0021 EA 21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper.....	296.22	38.68
<i>For Stainless Steel, Add</i>	382.73	
<i>For Steel Construction, Deduct</i>	-22.96	
<i>For Flush Mount, Add</i>	22.96	
23 37 13 13-0022 EA 24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper.....	322.57	75.80
<i>For Stainless Steel, Add</i>	427.13	
<i>For Steel Construction, Deduct</i>	-25.63	
<i>For Lay-In Mount, Add</i>	34.17	
<i>For Flush Mount, Add</i>	25.63	
<b>23 37 13 13-0023 Round Ceiling Diffusers With Fixed Pattern</b> <small>(23 37 13 13-0001)</small>		
<i>Note: Aluminum construction.</i>		
23 37 13 13-0024 EA 6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	206.19	18.63
<i>For Stainless Steel, Add</i>	331.25	
<i>For Steel Construction, Deduct</i>	-39.75	
23 37 13 13-0025 EA 8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	212.99	18.63
<i>For Stainless Steel, Add</i>	348.25	
<i>For Steel Construction, Deduct</i>	-41.79	
23 37 13 13-0026 EA 10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	241.81	22.92
<i>For Stainless Steel, Add</i>	382.20	
<i>For Steel Construction, Deduct</i>	-45.86	
23 37 13 13-0027 EA 12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	258.80	21.49
<i>For Stainless Steel, Add</i>	424.68	
<i>For Steel Construction, Deduct</i>	-50.96	
23 37 13 13-0028 EA 14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	364.77	25.79
<i>For Stainless Steel, Add</i>	654.00	
<i>For Steel Construction, Deduct</i>	-78.48	
23 37 13 13-0029 EA 16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	384.35	27.23
<i>For Stainless Steel, Add</i>	692.23	
<i>For Steel Construction, Deduct</i>	-83.07	
23 37 13 13-0030 EA 18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	404.32	28.66
<i>For Stainless Steel, Add</i>	730.45	
<i>For Steel Construction, Deduct</i>	-87.65	
23 37 13 13-0031 EA 20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	464.52	28.66
<i>For Stainless Steel, Add</i>	868.23	
<i>For Steel Construction, Deduct</i>	-104.19	
23 37 13 13-0032 EA 24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	551.75	32.95
<i>For Stainless Steel, Add</i>	1,056.98	
<i>For Steel Construction, Deduct</i>	-126.84	
23 37 13 13-0033 EA 28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	618.93	34.39
<i>For Stainless Steel, Add</i>	1,207.98	
<i>For Steel Construction, Deduct</i>	-144.96	
23 37 13 13-0034 EA 32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	736.83	38.68
<i>For Stainless Steel, Add</i>	1,462.78	
<i>For Steel Construction, Deduct</i>	-175.53	
<b>23 37 13 13-0035 Round Ceiling Diffusers With Adjustable Pattern Dropped Style</b> <small>(23 37 13 13-0001)</small>		
<i>Note: Aluminum construction.</i>		
23 37 13 13-0036 EA 6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction .....	216.38	18.63
<i>For Stainless Steel, Add</i>	356.73	
<i>For Flush Mount, Deduct</i>	-7.13	
<i>For Steel Construction, Deduct</i>	-14.27	
23 37 13 13-0037 EA 8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction .....	233.94	18.63
<i>For Stainless Steel, Add</i>	400.63	
<i>For Flush Mount, Deduct</i>	-8.01	
<i>For Steel Construction, Deduct</i>	-16.03	
23 37 13 13-0038 EA 10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction .....	266.35	22.92
<i>For Stainless Steel, Add</i>	443.55	
<i>For Flush Mount, Deduct</i>	-8.87	
<i>For Steel Construction, Deduct</i>	-17.74	
23 37 13 13-0039 EA 12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction .....	285.98	22.92
<i>For Stainless Steel, Add</i>	492.63	
<i>For Flush Mount, Deduct</i>	-9.85	
<i>For Steel Construction, Deduct</i>	-19.71	
23 37 13 13-0040 EA 14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction .....	408.94	25.79
<i>For Stainless Steel, Add</i>	764.43	
<i>For Flush Mount, Deduct</i>	-15.29	
<i>For Steel Construction, Deduct</i>	-30.58	
23 37 13 13-0041 EA 16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction .....	337.46	27.23
<i>For Stainless Steel, Add</i>	816.80	
<i>For Flush Mount, Deduct</i>	-16.34	
<i>For Steel Construction, Deduct</i>	-32.67	
23 37 13 13-0042 EA 18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction .....	459.81	28.66
<i>For Stainless Steel, Add</i>	869.18	
<i>For Flush Mount, Deduct</i>	-17.38	
<i>For Steel Construction, Deduct</i>	-34.77	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0043	EA		20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	530.58	30.09
			<i>For Stainless Steel, Add</i>	1,033.38	
			<i>For Flush Mount, Deduct</i>	-20.67	
			<i>For Steel Construction, Deduct</i>	-41.34	
23 37 13 13-0044	EA		24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	598.56	32.95
			<i>For Stainless Steel, Add</i>	1,174.00	
			<i>For Flush Mount, Deduct</i>	-23.48	
			<i>For Steel Construction, Deduct</i>	-46.96	
23 37 13 13-0045	EA		28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	720.85	34.39
			<i>For Stainless Steel, Add</i>	1,462.78	
			<i>For Flush Mount, Deduct</i>	-29.26	
			<i>For Steel Construction, Deduct</i>	-58.51	
23 37 13 13-0046	EA		32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	865.56	38.68
			<i>For Stainless Steel, Add</i>	1,784.60	
			<i>For Flush Mount, Deduct</i>	-35.69	
			<i>For Steel Construction, Deduct</i>	-71.38	
23 37 13 13-0047	EA		36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	957.33	80.67
			<i>For Stainless Steel, Add</i>	1,990.35	
<b>23 37 13 13-0048</b>			<b>Linear Type Ceiling Diffusers With 2-Way Air Deflection</b> (23 37 13 13-0001)		
23 37 13 13-0049	LF		4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection.....	171.71	21.49
			<i>For Stainless Steel, Add</i>	214.35	
23 37 13 13-0050	LF		6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection.....	183.36	21.49
			<i>For Stainless Steel, Add</i>	243.48	
23 37 13 13-0051	LF		9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection.....	197.71	21.49
			<i>For Stainless Steel, Add</i>	279.35	
23 37 13 13-0052	LF		12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection.....	211.68	21.49
			<i>For Stainless Steel, Add</i>	314.28	
<b>23 37 13 13-0053</b>			<b>Wall And Floor Diffusers</b> (23 37 13 13)		
<b>23 37 13 13-0054</b>			<b>Slot Type Linear Diffusers</b> (23 37 13 13-0053)		
			Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.		
23 37 13 13-0055	LF		1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	58.40	7.16
			<i>For Floor Mounted Diffusers, Add</i>	8.49	
			<i>For Stainless Steel, Add</i>	36.80	
			<i>For 3/4" Border, Add</i>	7.08	
23 37 13 13-0056	LF		2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling.....	70.69	8.60
			<i>For Floor Mounted Diffusers, Add</i>	11.33	
			<i>For Stainless Steel, Add</i>	49.08	
			<i>For 3/4" Border, Add</i>	9.44	
23 37 13 13-0057	LF		3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling.....	96.73	10.03
			<i>For Floor Mounted Diffusers, Add</i>	17.84	
			<i>For Stainless Steel, Add</i>	77.30	
			<i>For 3/4" Border, Add</i>	14.87	
23 37 13 13-0058	LF		4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling.....	126.47	10.03
			<i>For Floor Mounted Diffusers, Add</i>	25.48	
			<i>For Stainless Steel, Add</i>	110.42	
			<i>For 3/4" Border, Add</i>	21.24	
23 37 13 13-0059	LF		5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling.....	157.74	11.47
			<i>For Floor Mounted Diffusers, Add</i>	33.13	
			<i>For Stainless Steel, Add</i>	143.55	
			<i>For 3/4" Border, Add</i>	27.61	
23 37 13 13-0060	LF		6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling.....	184.64	14.33
			<i>For Floor Mounted Diffusers, Add</i>	39.07	
			<i>For Stainless Steel, Add</i>	169.30	
			<i>For 3/4" Border, Add</i>	32.56	
<b>23 37 13 13-0061</b>			<b>Linear Bar Grilles And Registers</b> (23 37 13 13-0053)		
			Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.		
23 37 13 13-0062	LF		2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	169.78	8.60
			<i>For Stainless Steel, Add</i>	177.89	
			<i>For Floor Mount, Add</i>	13.68	
			<i>For Opposed Blade Damper, Add</i>	27.37	
23 37 13 13-0063	LF		3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling.....	202.42	10.03
			<i>For Stainless Steel, Add</i>	214.70	
			<i>For Floor Mount, Add</i>	16.52	
			<i>For Opposed Blade Damper, Add</i>	33.03	
23 37 13 13-0064	LF		4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling.....	220.84	10.03
			<i>For Stainless Steel, Add</i>	233.10	
			<i>For Floor Mount, Add</i>	17.93	
			<i>For Opposed Blade Damper, Add</i>	35.86	
23 37 13 13-0065	LF		6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling.....	271.47	14.33
			<i>For Stainless Steel, Add</i>	282.18	
			<i>For Floor Mount, Add</i>	21.71	
			<i>For Opposed Blade Damper, Add</i>	43.41	
23 37 13 13-0066	LF		9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling.....	375.05	18.63
			<i>For Stainless Steel, Add</i>	392.59	
			<i>For Floor Mount, Add</i>	30.20	
			<i>For Opposed Blade Damper, Add</i>	60.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0067 LF 12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling.....	433.39	21.49
For Stainless Steel, Add	447.80	
For Floor Mount, Add	34.45	
For Opposed Blade Damper, Add	68.89	
<b>23 37 13 13-0068 Return/Exhaust Registers And Grilles (23 37 13 13)</b>		
<b>23 37 13 13-0069 Return/Exhaust Registers With Frame (23 37 13 13-0068)</b>		
Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.		
23 37 13 13-0070 EA 8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	120.44	11.47
For Grilles (No Damper), Deduct	-30.39	
For Steel Construction, Deduct	-15.19	
For Cube Core With Frame, Add	7.60	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	15.19	
For Stainless Steel, Add	189.93	
23 37 13 13-0071 EA 8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	136.96	11.47
For Grilles (No Damper), Deduct	-37.00	
For Steel Construction, Deduct	-18.50	
For Cube Core With Frame, Add	9.25	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	18.50	
For Stainless Steel, Add	231.23	
23 37 13 13-0072 EA 10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	153.97	12.89
For Grilles (No Damper), Deduct	-40.96	
For Steel Construction, Deduct	-20.48	
For Cube Core With Frame, Add	10.24	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	20.48	
For Stainless Steel, Add	255.98	
23 37 13 13-0073 EA 10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	162.37	14.33
For Grilles (No Damper), Deduct	-40.96	
For Steel Construction, Deduct	-20.48	
For Cube Core With Frame, Add	10.24	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	20.48	
For Stainless Steel, Add	255.98	
23 37 13 13-0074 EA 12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	155.77	14.33
For Grilles (No Damper), Deduct	-38.32	
For Steel Construction, Deduct	-19.16	
For Cube Core With Frame, Add	9.58	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	19.16	
For Stainless Steel, Add	239.48	
23 37 13 13-0075 EA 12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	199.21	18.63
For Grilles (No Damper), Deduct	-50.21	
For Steel Construction, Deduct	-25.10	
For Cube Core With Frame, Add	12.55	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	25.10	
For Stainless Steel, Add	313.80	
23 37 13 13-0076 EA 16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	238.79	21.49
For Grilles (No Damper), Deduct	-59.94	
For Steel Construction, Deduct	-29.97	
For Cube Core With Frame, Add	14.99	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	29.97	
For Stainless Steel, Add	374.65	
23 37 13 13-0077 EA 18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	291.44	25.79
For Grilles (No Damper), Deduct	-75.31	
For Steel Construction, Deduct	-37.65	
For Cube Core With Frame, Add	18.83	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	37.65	
For Stainless Steel, Add	470.68	
23 37 13 13-0078 EA 20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	340.13	28.66
For Grilles (No Damper), Deduct	-91.20	
For Steel Construction, Deduct	-45.60	
For Cube Core With Frame, Add	22.80	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	45.60	
For Stainless Steel, Add	569.98	
23 37 13 13-0079 EA 24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	307.93	28.66
For Grilles (No Damper), Deduct	-76.28	
For Steel Construction, Deduct	-38.14	
For Cube Core With Frame, Add	19.07	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	38.14	
For Stainless Steel, Add	476.75	
23 37 13 13-0080 EA 24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	348.44	28.66
For Grilles (No Damper), Deduct	-92.48	
For Steel Construction, Deduct	-46.24	
For Cube Core With Frame, Add	23.12	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	46.24	
For Stainless Steel, Add	578.03	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0081 EA 24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	368.60	32.95
For Grilles (No Damper), Deduct	-95.86	
For Steel Construction, Deduct	-47.93	
For Cube Core With Frame, Add	23.96	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	47.93	
For Stainless Steel, Add	599.10	
23 37 13 13-0082 EA 30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	390.42	34.39
For Grilles (No Damper), Deduct	-101.87	
For Steel Construction, Deduct	-50.94	
For Cube Core With Frame, Add	25.47	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	50.94	
For Stainless Steel, Add	636.70	
23 37 13 13-0083 EA 30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	448.98	38.68
For Grilles (No Damper), Deduct	-118.90	
For Steel Construction, Deduct	-59.45	
For Cube Core With Frame, Add	29.73	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	59.45	
For Stainless Steel, Add	743.15	
23 37 13 13-0084 EA 30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	505.93	45.86
For Grilles (No Damper), Deduct	-128.68	
For Steel Construction, Deduct	-64.34	
For Cube Core With Frame, Add	32.17	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	64.34	
For Stainless Steel, Add	804.25	
23 37 13 13-0085 EA 30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	645.79	45.86
For Grilles (No Damper), Deduct	-184.62	
For Steel Construction, Deduct	-92.31	
For Cube Core With Frame, Add	46.16	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	92.31	
For Stainless Steel, Add	1,153.90	
23 37 13 13-0086 EA 36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	545.92	50.15
For Grilles (No Damper), Deduct	-139.01	
For Steel Construction, Deduct	-69.50	
For Cube Core With Frame, Add	34.75	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	69.50	
For Stainless Steel, Add	868.80	
23 37 13 13-0087 EA 36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	532.64	48.71
For Grilles (No Damper), Deduct	-133.70	
For Steel Construction, Deduct	-66.85	
For Cube Core With Frame, Add	33.42	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	66.85	
For Stainless Steel, Add	835.60	
23 37 13 13-0088 EA 36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	604.17	54.44
For Grilles (No Damper), Deduct	-155.70	
For Steel Construction, Deduct	-77.85	
For Cube Core With Frame, Add	38.93	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	77.85	
For Stainless Steel, Add	973.13	
23 37 13 13-0089 EA 36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	807.35	58.75
For Grilles (No Damper), Deduct	-229.15	
For Steel Construction, Deduct	-114.58	
For Cube Core With Frame, Add	57.29	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	114.58	
For Stainless Steel, Add	1,432.20	
23 37 13 13-0090 EA 24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	364.01	33.10
For Grilles (No Damper), Deduct	-92.71	
For Steel Construction, Deduct	-46.36	
For Cube Core With Frame, Add	23.18	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	46.36	
For Stainless Steel, Add	579.45	
23 37 13 13-0091 EA 32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	657.87	58.60
For Grilles (No Damper), Deduct	-169.36	
For Steel Construction, Deduct	-84.68	
For Cube Core With Frame, Add	42.34	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	84.68	
For Stainless Steel, Add	1,058.50	
23 37 13 13-0092 EA 48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	700.77	57.31
For Grilles (No Damper), Deduct	-194.34	
For Steel Construction, Deduct	-97.17	
For Cube Core With Frame, Add	48.59	
For Removable Core, Add	35.00	
For Cube Core Lay In, Add	97.17	
For Stainless Steel, Add	1,214.63	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 37 13 13-0093 Return/Exhaust Registers Removable-Reversible</b> <small>(23 37 13 13-0068)</small>		
Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.		
23 37 13 13-0094 EA 8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	111.85	11.47
For Grilles (No Damper), Deduct	-13.48	
For Flat Frame, Deduct	-0.67	
For Steel Construction, Deduct	-6.74	
For Stainless Steel, Add	168.45	
23 37 13 13-0095 EA 8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	111.85	11.47
For Grilles (No Damper), Deduct	-13.48	
For Flat Frame, Deduct	-0.67	
For Steel Construction, Deduct	-6.74	
For Stainless Steel, Add	168.45	
23 37 13 13-0096 EA 10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	136.80	12.89
For Grilles (No Damper), Deduct	-17.04	
For Flat Frame, Deduct	-0.85	
For Steel Construction, Deduct	-8.52	
For Stainless Steel, Add	213.05	
23 37 13 13-0097 EA 10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	157.09	15.76
For Grilles (No Damper), Deduct	-19.42	
For Flat Frame, Deduct	-0.97	
For Steel Construction, Deduct	-9.71	
For Stainless Steel, Add	242.78	
23 37 13 13-0098 EA 12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	155.11	14.33
For Grilles (No Damper), Deduct	-19.03	
For Flat Frame, Deduct	-0.95	
For Steel Construction, Deduct	-9.51	
For Stainless Steel, Add	237.83	
23 37 13 13-0099 EA 12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	200.53	18.63
For Grilles (No Damper), Deduct	-25.37	
For Flat Frame, Deduct	-1.27	
For Steel Construction, Deduct	-12.68	
For Stainless Steel, Add	317.10	
23 37 13 13-0100 EA 16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	318.16	22.92
For Grilles (No Damper), Deduct	-45.85	
For Flat Frame, Deduct	-2.29	
For Steel Construction, Deduct	-22.92	
For Stainless Steel, Add	573.08	
23 37 13 13-0101 EA 18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	382.61	25.79
For Grilles (No Damper), Deduct	-55.89	
For Flat Frame, Deduct	-2.79	
For Steel Construction, Deduct	-27.94	
For Stainless Steel, Add	698.60	
23 37 13 13-0102 EA 20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	431.22	28.66
For Grilles (No Damper), Deduct	-63.82	
For Flat Frame, Deduct	-3.19	
For Steel Construction, Deduct	-31.91	
For Stainless Steel, Add	797.70	
23 37 13 13-0103 EA 24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	362.98	28.66
For Grilles (No Damper), Deduct	-49.15	
For Flat Frame, Deduct	-2.46	
For Steel Construction, Deduct	-24.58	
For Stainless Steel, Add	614.38	
23 37 13 13-0104 EA 24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	481.89	30.09
For Grilles (No Damper), Deduct	-72.93	
For Flat Frame, Deduct	-3.65	
For Steel Construction, Deduct	-36.47	
For Stainless Steel, Add	911.65	
23 37 13 13-0105 EA 24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	561.00	32.95
For Grilles (No Damper), Deduct	-86.41	
For Flat Frame, Deduct	-4.32	
For Steel Construction, Deduct	-43.20	
For Stainless Steel, Add	1,080.10	
23 37 13 13-0106 EA 30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	436.98	34.39
For Grilles (No Damper), Deduct	-60.25	
For Flat Frame, Deduct	-3.01	
For Steel Construction, Deduct	-30.12	
For Stainless Steel, Add	753.10	
23 37 13 13-0107 EA 30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	595.65	38.68
For Grilles (No Damper), Deduct	-88.79	
For Flat Frame, Deduct	-4.44	
For Steel Construction, Deduct	-44.39	
For Stainless Steel, Add	1,109.83	
23 37 13 13-0108 EA 30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	717.34	45.86
For Grilles (No Damper), Deduct	-106.62	
For Flat Frame, Deduct	-5.33	
For Steel Construction, Deduct	-53.31	
For Stainless Steel, Add	1,332.78	
23 37 13 13-0109 EA 30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	817.43	45.86
For Grilles (No Damper), Deduct	-126.64	
For Flat Frame, Deduct	-6.33	
For Steel Construction, Deduct	-63.32	
For Stainless Steel, Add	1,583.00	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 37 13 13-0110	EA		36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	569.00	48.71
			<i>For Grilles (No Damper), Deduct</i>	-74.12	
			<i>For Flat Frame, Deduct</i>	-3.71	
			<i>For Steel Construction, Deduct</i>	-37.06	
			<i>For Stainless Steel, Add</i>	926.50	
23 37 13 13-0111	EA		36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	759.26	48.71
			<i>For Grilles (No Damper), Deduct</i>	-112.17	
			<i>For Flat Frame, Deduct</i>	-5.61	
			<i>For Steel Construction, Deduct</i>	-56.09	
			<i>For Stainless Steel, Add</i>	1,402.15	
23 37 13 13-0112	EA		36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	876.85	54.44
			<i>For Grilles (No Damper), Deduct</i>	-132.39	
			<i>For Flat Frame, Deduct</i>	-6.62	
			<i>For Steel Construction, Deduct</i>	-66.19	
			<i>For Stainless Steel, Add</i>	1,654.83	
23 37 13 13-0113	EA		36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	1,022.25	58.75
			<i>For Grilles (No Damper), Deduct</i>	-157.56	
			<i>For Flat Frame, Deduct</i>	-7.88	
			<i>For Steel Construction, Deduct</i>	-78.78	
			<i>For Stainless Steel, Add</i>	1,969.45	
23 37 13 13-0114	EA		36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	1,077.74	58.75
			<i>For Grilles (No Damper), Deduct</i>	-168.65	
			<i>For Flat Frame, Deduct</i>	-8.43	
			<i>For Steel Construction, Deduct</i>	-84.33	
			<i>For Stainless Steel, Add</i>	2,108.18	

**23 37 13 13-0115 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles (23 37 13 13-0068)**

23 37 13 13-0116	EA		6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	63.79	14.01
23 37 13 13-0117	EA		8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	63.79	14.01
23 37 13 13-0118	EA		8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	68.67	14.01
23 37 13 13-0119	EA		8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	70.63	14.01
23 37 13 13-0120	EA		10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	68.67	14.01
23 37 13 13-0121	EA		10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	70.63	14.01
23 37 13 13-0122	EA		10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	85.80	18.37
23 37 13 13-0123	EA		10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	87.76	18.37
23 37 13 13-0124	EA		12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	83.85	18.37
23 37 13 13-0125	EA		12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	87.76	18.37
23 37 13 13-0126	EA		12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	89.71	18.37
23 37 13 13-0127	EA		12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	91.67	18.37
23 37 13 13-0128	EA		14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	88.73	18.37
23 37 13 13-0129	EA		14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	92.64	18.37
23 37 13 13-0130	EA		14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	94.60	18.37
23 37 13 13-0131	EA		14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	103.39	18.37
23 37 13 13-0132	EA		16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	92.64	18.37
23 37 13 13-0133	EA		16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	99.48	18.37
23 37 13 13-0134	EA		16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	103.39	18.37
23 37 13 13-0135	EA		16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	134.71	27.09
23 37 13 13-0136	EA		16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	136.66	27.09
23 37 13 13-0137	EA		18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	132.75	27.09
23 37 13 13-0138	EA		18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	161.60	31.45
23 37 13 13-0139	EA		20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	130.80	27.09
23 37 13 13-0140	EA		20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	171.37	31.45
23 37 13 13-0141	EA		22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	90.69	18.37
23 37 13 13-0142	EA		22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	132.75	27.09
23 37 13 13-0143	EA		22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	192.41	35.82
23 37 13 13-0144	EA		24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	130.80	27.09
23 37 13 13-0145	EA		24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	134.71	27.09
23 37 13 13-0146	EA		24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	155.74	31.45
			<i>For Lay-In Installation, Deduct</i>	-66.30	
23 37 13 13-0147	EA		24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	161.60	31.45
23 37 13 13-0148	EA		24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	180.68	35.82
23 37 13 13-0149	EA		24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	186.55	35.82
23 37 13 13-0150	EA		24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	193.39	35.82
23 37 13 13-0151	EA		24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	206.09	35.82
			<i>For Lay-In Installation, Deduct</i>	-75.91	
23 37 13 13-0152	EA		30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	158.67	31.45
23 37 13 13-0153	EA		48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	250.86	39.25
23 37 13 13-0154	EA		48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	418.99	47.97
			<i>For Lay-In Installation, Deduct</i>	-109.25	

**23 37 13 13-0155 Supply Registers and Grilles (23 37 13 13)****23 37 13 13-0156 Adjustable Curved Blade Register (23 37 13 13-0155)**

Note: Ceiling mount aluminum construction four way pattern flush frame.

23 37 13 13-0157	EA		6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	102.15	11.47
			<i>For Lay In Frame, Deduct</i>	-14.44	
			<i>For Grille (No Damper), Deduct</i>	-8.66	
			<i>For One Way Pattern, Deduct</i>	-4.62	
			<i>For Steel Construction, Deduct</i>	-8.66	
			<i>For Two Way Pattern, Deduct</i>	-4.62	
			<i>For Three Way Pattern, Deduct</i>	-5.78	
			<i>For Stainless Steel, Add</i>	144.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0158 EA 8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	105.54	11.47
<i>For Lay In Frame, Deduct</i>	-15.29	
<i>For Grille (No Damper), Deduct</i>	-9.17	
<i>For One Way Pattern, Deduct</i>	-4.89	
<i>For Steel Construction, Deduct</i>	-9.17	
<i>For Two Way Pattern, Deduct</i>	-4.89	
<i>For Three Way Pattern, Deduct</i>	-6.12	
<i>For Stainless Steel, Add</i>	152.88	
23 37 13 13-0159 EA 12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	117.88	15.76
<i>For Lay In Frame, Deduct</i>	-14.44	
<i>For Grille (No Damper), Deduct</i>	-8.66	
<i>For One Way Pattern, Deduct</i>	-4.62	
<i>For Steel Construction, Deduct</i>	-8.66	
<i>For Two Way Pattern, Deduct</i>	-4.62	
<i>For Three Way Pattern, Deduct</i>	-5.78	
<i>For Stainless Steel, Add</i>	144.40	
23 37 13 13-0160 EA 10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	130.33	14.33
<i>For Lay In Frame, Deduct</i>	-17.55	
<i>For Grille (No Damper), Deduct</i>	-10.53	
<i>For One Way Pattern, Deduct</i>	-5.62	
<i>For Steel Construction, Deduct</i>	-10.53	
<i>For Two Way Pattern, Deduct</i>	-5.62	
<i>For Three Way Pattern, Deduct</i>	-7.02	
<i>For Stainless Steel, Add</i>	175.53	
23 37 13 13-0161 EA 12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	156.86	18.63
<i>For Lay In Frame, Deduct</i>	-20.95	
<i>For Grille (No Damper), Deduct</i>	-12.57	
<i>For One Way Pattern, Deduct</i>	-6.70	
<i>For Steel Construction, Deduct</i>	-12.57	
<i>For Two Way Pattern, Deduct</i>	-6.70	
<i>For Three Way Pattern, Deduct</i>	-8.38	
<i>For Stainless Steel, Add</i>	209.50	
23 37 13 13-0162 EA 14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	193.12	21.49
<i>For Lay In Frame, Deduct</i>	-26.05	
<i>For Grille (No Damper), Deduct</i>	-15.63	
<i>For One Way Pattern, Deduct</i>	-8.34	
<i>For Steel Construction, Deduct</i>	-15.63	
<i>For Two Way Pattern, Deduct</i>	-8.34	
<i>For Three Way Pattern, Deduct</i>	-10.42	
<i>For Stainless Steel, Add</i>	260.48	
23 37 13 13-0163 EA 16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	193.12	21.49
<i>For Lay In Frame, Deduct</i>	-26.05	
<i>For Grille (No Damper), Deduct</i>	-15.63	
<i>For One Way Pattern, Deduct</i>	-8.34	
<i>For Steel Construction, Deduct</i>	-15.63	
<i>For Two Way Pattern, Deduct</i>	-8.34	
<i>For Three Way Pattern, Deduct</i>	-10.42	
<i>For Stainless Steel, Add</i>	260.48	
23 37 13 13-0164 EA 18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	238.49	28.66
<i>For Lay In Frame, Deduct</i>	-31.71	
<i>For Grille (No Damper), Deduct</i>	-19.03	
<i>For One Way Pattern, Deduct</i>	-10.15	
<i>For Steel Construction, Deduct</i>	-19.03	
<i>For Two Way Pattern, Deduct</i>	-10.15	
<i>For Three Way Pattern, Deduct</i>	-12.68	
<i>For Stainless Steel, Add</i>	317.10	
23 37 13 13-0165 EA 24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	308.62	30.09
<i>For Lay In Frame, Deduct</i>	-47.85	
<i>For Grille (No Damper), Deduct</i>	-28.71	
<i>For One Way Pattern, Deduct</i>	-15.31	
<i>For Steel Construction, Deduct</i>	-28.71	
<i>For Two Way Pattern, Deduct</i>	-15.31	
<i>For Three Way Pattern, Deduct</i>	-19.14	
<i>For Stainless Steel, Add</i>	478.48	
23 37 13 13-0166 EA 30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	489.01	60.75
<i>For Lay In Frame, Deduct</i>	-91.87	
<i>For Grille (No Damper), Deduct</i>	-55.12	
<i>For One Way Pattern, Deduct</i>	-29.40	
<i>For Steel Construction, Deduct</i>	-55.12	
<i>For Two Way Pattern, Deduct</i>	-29.40	
<i>For Three Way Pattern, Deduct</i>	-36.75	
<i>For Stainless Steel, Add</i>	918.73	
<b>23 37 13 13-0167 Removable-Reversible Core Registers</b> <small>(23 37 13 13-0155)</small>		
Note: Double deflection radiused frame aluminum construction.		
23 37 13 13-0168 EA 6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame.....	116.87	11.47
<i>For Grille (No Damper), Deduct</i>	-21.74	
<i>For Flat Frame, Deduct</i>	-7.25	
<i>For Steel Construction, Deduct</i>	-7.25	
<i>For Stainless Steel, Add</i>	181.20	
23 37 13 13-0169 EA 8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame.....	146.31	11.47
<i>For Grille (No Damper), Deduct</i>	-30.58	
<i>For Flat Frame, Deduct</i>	-10.19	
<i>For Steel Construction, Deduct</i>	-10.19	
<i>For Stainless Steel, Add</i>	254.80	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 37 Air Outlets and Inlets**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0170	EA		12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	186.96	15.76
			<i>For Grille (No Damper), Deduct</i>	-38.05	
			<i>For Flat Frame, Deduct</i>	-12.68	
			<i>For Steel Construction, Deduct</i>	-12.68	
			<i>For Stainless Steel, Add</i>	317.10	
23 37 13 13-0171	EA		10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	189.22	15.76
			<i>For Grille (No Damper), Deduct</i>	-38.73	
			<i>For Flat Frame, Deduct</i>	-12.91	
			<i>For Steel Construction, Deduct</i>	-12.91	
			<i>For Stainless Steel, Add</i>	322.75	
23 37 13 13-0172	EA		12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	240.67	18.63
			<i>For Grille (No Damper), Deduct</i>	-50.28	
			<i>For Flat Frame, Deduct</i>	-16.76	
			<i>For Steel Construction, Deduct</i>	-16.76	
			<i>For Stainless Steel, Add</i>	419.03	
23 37 13 13-0173	EA		14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	340.34	22.92
			<i>For Grille (No Damper), Deduct</i>	-75.42	
			<i>For Flat Frame, Deduct</i>	-25.14	
			<i>For Steel Construction, Deduct</i>	-25.14	
			<i>For Stainless Steel, Add</i>	628.53	
23 37 13 13-0174	EA		16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	381.11	21.49
			<i>For Grille (No Damper), Deduct</i>	-87.65	
			<i>For Flat Frame, Deduct</i>	-29.22	
			<i>For Steel Construction, Deduct</i>	-29.22	
			<i>For Stainless Steel, Add</i>	730.45	
23 37 13 13-0175	EA		18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	460.45	28.66
			<i>For Grille (No Damper), Deduct</i>	-104.64	
			<i>For Flat Frame, Deduct</i>	-34.88	
			<i>For Steel Construction, Deduct</i>	-34.88	
			<i>For Stainless Steel, Add</i>	872.00	
23 37 13 13-0176	EA		24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	577.02	28.66
			<i>For Grille (No Damper), Deduct</i>	-137.94	
			<i>For Flat Frame, Deduct</i>	-45.98	
			<i>For Steel Construction, Deduct</i>	-45.98	
			<i>For Stainless Steel, Add</i>	1,149.48	

**23 37 13 13-0177 Supply Grille, Aluminum Drum With Aluminum Border (23 37 13 13-0155)**

Note: Titus DL.

23 37 13 13-0178	EA		9" x 6" Supply Grille, Aluminum Drum	92.78	22.21
			<i>For Stainless Steel, Add</i>	120.98	
23 37 13 13-0179	EA		12" x 6" Supply Grille, Aluminum Drum	129.52	30.09
			<i>For Stainless Steel, Add</i>	173.50	
23 37 13 13-0180	EA		18" x 6" Supply Grille, Aluminum Drum	141.31	30.09
			<i>For Stainless Steel, Add</i>	202.98	
23 37 13 13-0181	EA		24" x 6" Supply Grille, Aluminum Drum	158.39	36.54
			<i>For Stainless Steel, Add</i>	213.35	
23 37 13 13-0182	EA		30" x 6" Supply Grille, Aluminum Drum	201.13	44.56
			<i>For Stainless Steel, Add</i>	280.50	
23 37 13 13-0183	EA		36" x 6" Supply Grille, Aluminum Drum	239.71	44.56
			<i>For Stainless Steel, Add</i>	376.95	
23 37 13 13-0184	EA		48" x 6" Supply Grille, Aluminum Drum	287.72	55.88
			<i>For Stainless Steel, Add</i>	440.23	
23 37 13 13-0185	EA		20" x 10" Supply Grille, Aluminum Drum	164.07	36.54
			<i>For Stainless Steel, Add</i>	227.55	
23 37 13 13-0186	EA		25" x 10" Supply Grille, Aluminum Drum	179.83	44.42
			<i>For Stainless Steel, Add</i>	227.55	
23 37 13 13-0187	EA		30" x 10" Supply Grille, Aluminum Drum	250.45	55.88
			<i>For Stainless Steel, Add</i>	346.80	
23 37 13 13-0188	EA		35" x 10" Supply Grille, Aluminum Drum	287.27	60.18
			<i>For Stainless Steel, Add</i>	417.35	
23 37 13 13-0189	EA		40" x 10" Supply Grille, Aluminum Drum	320.75	63.04
			<i>For Stainless Steel, Add</i>	486.73	
23 37 13 13-0190	EA		20" x 12" Supply Grille, Aluminum Drum	186.00	39.41
			<i>For Stainless Steel, Add</i>	268.03	
23 37 13 13-0191	EA		30" x 12" Supply Grille, Aluminum Drum	272.87	57.31
			<i>For Stainless Steel, Add</i>	395.70	
23 37 13 13-0192	EA		40" x 12" Supply Grille, Aluminum Drum	348.63	64.47
			<i>For Stainless Steel, Add</i>	549.28	
23 37 13 13-0193	EA		15" x 15" Supply Grille, Aluminum Drum	197.30	44.42
			<i>For Stainless Steel, Add</i>	271.23	
23 37 13 13-0194	EA		20" x 15" Supply Grille, Aluminum Drum	220.79	47.28
			<i>For Stainless Steel, Add</i>	315.60	
23 37 13 13-0195	EA		25" x 15" Supply Grille, Aluminum Drum	259.22	55.17
			<i>For Stainless Steel, Add</i>	372.30	
23 37 13 13-0196	EA		30" x 15" Supply Grille, Aluminum Drum	292.01	58.75
			<i>For Stainless Steel, Add</i>	436.38	
23 37 13 13-0197	EA		40" x 15" Supply Grille, Aluminum Drum	352.30	65.91
			<i>For Stainless Steel, Add</i>	551.30	

**23 37 13 13-0198 Adjustable Shutter Blade Registers (23 37 13 13-0155)**

Note: Double deflection flat frame aluminum construction.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0199 EA 6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	176.51	11.47
<i>For Grille (No Damper), Deduct</i>	-19.82	
<i>For Single Deflection, Deduct</i>	-26.42	
<i>For Steel Construction, Deduct</i>	-13.21	
<i>For Stainless Steel, Add</i>	330.30	
23 37 13 13-0200 EA 8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	202.94	11.47
<i>For Grille (No Damper), Deduct</i>	-23.78	
<i>For Single Deflection, Deduct</i>	-31.71	
<i>For Steel Construction, Deduct</i>	-15.86	
<i>For Stainless Steel, Add</i>	396.38	
23 37 13 13-0201 EA 12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	218.67	15.76
<i>For Grille (No Damper), Deduct</i>	-23.78	
<i>For Single Deflection, Deduct</i>	-31.71	
<i>For Steel Construction, Deduct</i>	-15.86	
<i>For Stainless Steel, Add</i>	396.38	
23 37 13 13-0202 EA 10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	226.22	14.33
<i>For Grille (No Damper), Deduct</i>	-24.92	
<i>For Single Deflection, Deduct</i>	-33.22	
<i>For Steel Construction, Deduct</i>	-16.61	
<i>For Stainless Steel, Add</i>	415.25	
23 37 13 13-0203 EA 12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	276.91	18.63
<i>For Grille (No Damper), Deduct</i>	-30.58	
<i>For Single Deflection, Deduct</i>	-40.77	
<i>For Steel Construction, Deduct</i>	-20.39	
<i>For Stainless Steel, Add</i>	509.63	
23 37 13 13-0204 EA 14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	368.27	21.49
<i>For Grille (No Damper), Deduct</i>	-41.90	
<i>For Single Deflection, Deduct</i>	-55.87	
<i>For Steel Construction, Deduct</i>	-27.93	
<i>For Stainless Steel, Add</i>	698.35	
23 37 13 13-0205 EA 16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	432.45	22.92
<i>For Grille (No Damper), Deduct</i>	-51.53	
<i>For Single Deflection, Deduct</i>	-68.70	
<i>For Steel Construction, Deduct</i>	-34.35	
<i>For Stainless Steel, Add</i>	858.80	
23 37 13 13-0206 EA 18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	534.44	28.66
<i>For Grille (No Damper), Deduct</i>	-63.42	
<i>For Single Deflection, Deduct</i>	-84.56	
<i>For Steel Construction, Deduct</i>	-42.28	
<i>For Stainless Steel, Add</i>	1,056.98	
23 37 13 13-0207 EA 24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	732.54	30.09
<i>For Grille (No Damper), Deduct</i>	-92.30	
<i>For Single Deflection, Deduct</i>	-123.06	
<i>For Steel Construction, Deduct</i>	-61.53	
<i>For Stainless Steel, Add</i>	1,538.28	
<b>23 37 13 13-0208 Air Conditioning And Ventilation (23 37 13 13-0155)</b>		
23 37 13 13-0209 EA 10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	91.45	30.09
<i>For Stainless Steel, Add</i>	78.33	
23 37 13 13-0210 EA 18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	152.22	44.78
<i>For Stainless Steel, Add</i>	156.68	
23 37 13 13-0211 EA 30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	229.82	62.68
<i>For Stainless Steel, Add</i>	261.13	
23 37 13 13-0212 EA 48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	516.62	85.97
<i>For Stainless Steel, Add</i>	861.70	
<b>23 37 13 13-0213 Square Wall Return Air And Exhaust Grilles (23 37 13 13-0155)</b>		
Note: Egg crate design aluminum construction.		
23 37 13 13-0214 EA 8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	90.59	35.88
23 37 13 13-0215 EA 12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	96.39	35.88
23 37 13 13-0216 EA 18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	143.84	53.82
23 37 13 13-0217 EA 24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	172.82	53.82
23 37 13 13-0218 EA 28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	273.88	71.76
23 37 13 13-0219 EA 36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	448.80	71.64
<b>23 37 13 13-0220 Rectangular Four-Way Adjustable Deflection Wall Supply Grilles (23 37 13 13-0155)</b>		
Note: Aluminum construction.		
23 37 13 13-0221 EA 12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	259.62	25.83
23 37 13 13-0222 EA 14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	293.59	25.83
23 37 13 13-0223 EA 18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	352.63	28.70
23 37 13 13-0224 EA 24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	412.99	28.70
23 37 13 13-0225 EA 36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	536.63	89.70
<b>23 37 13 13-0226 Square Ceiling Return Air And Exhaust Grilles (23 37 13 13-0155)</b>		
Note: Egg crate design, plastic construction.		
23 37 13 13-0227 EA 24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction .....	52.71	17.18
23 37 13 13-0228 EA 24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction .....	74.51	17.32

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 37 13 13-0229		<b>Door Grilles Sight Proof Inverted Vee Cross Section</b> (23 37 13 13-0155) Note: Painted steel louvers and frame.		
23 37 13 13-0230	EA	12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	146.89	25.83
23 37 13 13-0231	EA	12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	187.89	25.83
23 37 13 13-0232	EA	18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	229.42	27.27
23 37 13 13-0233	EA	24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	308.69	32.58
23 37 13 13-0234	EA	24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	344.15	59.85
23 37 13 13-0235		<b>Stainless Steel Devices</b> (23 37 13 13-0155)		
23 37 13 13-0236		<b>304 Stainless Steel, Louvered Partition/Door Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0237	SF	Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille.....	186.43	22.38
		<i>For 316 Stainless Steel, Add</i>	29.82	
23 37 13 13-0238	SF	>4 SF, 304 Stainless Steel, Louvered Partition/Door Grille.....	159.22	22.38
		<i>For 316 Stainless Steel, Add</i>	24.38	
23 37 13 13-0239		<b>304 Stainless Steel, Single Deflection Supply Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0240	SF	Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille.....	144.15	22.38
		<i>For 316 Stainless Steel, Add</i>	21.37	
23 37 13 13-0241	SF	>4 SF, 304 Stainless Steel, Single Deflection Supply Grille.....	124.36	22.38
		<i>For 316 Stainless Steel, Add</i>	17.41	
23 37 13 13-0242		<b>304 Stainless Steel, Double Deflection Supply Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0243	SF	Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille .....	205.35	22.38
		<i>For 316 Stainless Steel, Add</i>	33.61	
23 37 13 13-0244	SF	>4 SF, 304 Stainless Steel, Double Deflection Supply Grille .....	176.79	22.38
		<i>For 316 Stainless Steel, Add</i>	27.89	
23 37 13 13-0245		<b>304 Stainless Steel Return Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0246	SF	Up To 4 SF, 304 Stainless Steel Return Grille.....	144.15	22.38
		<i>For 316 Stainless Steel, Add</i>	21.37	
23 37 13 13-0247	SF	>4 SF, 304 Stainless Steel Return Grille.....	124.36	22.38
		<i>For 316 Stainless Steel, Add</i>	17.41	
23 37 13 13-0248		<b>304 Stainless Steel, Louvered Supply/Return Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0249	SF	Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille.....	144.15	22.38
		<i>For 316 Stainless Steel, Add</i>	21.37	
23 37 13 13-0250	SF	>4 SF, 304 Stainless Steel, Louvered Supply/Return Grille.....	124.36	22.38
		<i>For 316 Stainless Steel, Add</i>	17.41	
23 37 13 13-0251		<b>304 Stainless Steel, Perforated Return Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0252	SF	Up To 4 SF, 304 Stainless Steel, Perforated Return Grille.....	144.15	22.38
		<i>For 316 Stainless Steel, Add</i>	21.37	
23 37 13 13-0253	SF	>4 SF, 304 Stainless Steel, Perforated Return Grille.....	118.92	22.38
		<i>For 316 Stainless Steel, Add</i>	16.32	
23 37 13 13-0254		<b>304 Stainless Steel, Perforated Supply Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0255	SF	Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille.....	171.97	22.38
		<i>For 316 Stainless Steel, Add</i>	26.93	
23 37 13 13-0256	SF	>4 SF, 304 Stainless Steel, Perforated Supply Grille.....	121.82	22.38
		<i>For 316 Stainless Steel, Add</i>	16.90	
23 37 13 13-0257		<b>304 Stainless Steel, Door Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0258	SF	Up To 4 SF, 304 Stainless Steel, Door Grille.....	250.97	22.38
		<i>For 316 Stainless Steel, Add</i>	42.73	
23 37 13 13-0259	SF	>4 SF, 304 Stainless Steel, Door Grille.....	211.41	22.38
		<i>For 316 Stainless Steel, Add</i>	34.82	
23 37 13 13-0260		<b>304 Stainless Steel, Linear Bar Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0261	SF	Up To 4 SF, 304 Stainless Steel, Linear Bar Grille.....	317.37	22.38
		<i>For 316 Stainless Steel, Add</i>	56.01	
23 37 13 13-0262	SF	>4 SF, 304 Stainless Steel, Linear Bar Grille.....	273.47	22.38
		<i>For 316 Stainless Steel, Add</i>	47.23	
23 37 13 13-0263		<b>304 Stainless Steel, Hinged Filter Grilles</b> (23 37 13 13-0235)		
23 37 13 13-0264	SF	Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille .....	236.51	22.38
		<i>For 316 Stainless Steel, Add</i>	39.84	
23 37 13 13-0265	SF	>4 SF, 304 Stainless Steel, Hinged Filter Grille .....	167.27	22.38
		<i>For 316 Stainless Steel, Add</i>	25.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 37 13 13-0266</b> <b>304 Stainless Steel, Opposed Blade Dampers Grilles</b> <small>(23 37 13 13-0235)</small>		
23 37 13 13-0267    SF    Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille ..... <i>For 316 Stainless Steel, Add</i>	133.02 19.14	22.38
23 37 13 13-0268    SF    Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF ..... <i>For 316 Stainless Steel, Add</i>	104.22 13.38	22.38
<b>23 37 13 13-0269</b> <b>304 Stainless Steel, Plaster Frames Replacement</b> <small>(23 37 13 13-0235)</small>		
Note: For frequent replacement.		
23 37 13 13-0270    SF    To 4 SF, 304 Stainless Steel, Plaster Frames Replacement ..... <i>For 316 Stainless Steel, Add</i>	106.31 13.80	22.38
23 37 13 13-0271    SF    >4 SF, 304 Stainless Steel, Plaster Frames Replacement ..... <i>For 316 Stainless Steel, Add</i>	62.17 4.97	22.38
<b>23 37 13 13-0272</b> <b>304 Stainless Steel, Modular Louvered Ceiling Diffusers</b> <small>(23 37 13 13-0235)</small>		
23 37 13 13-0273    SF    Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser ..... <i>For 316 Stainless Steel, Add</i>	233.17 39.17	22.38
23 37 13 13-0274    SF    >4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser ..... <i>For 316 Stainless Steel, Add</i>	185.08 29.55	22.38
<b>23 37 13 13-0275</b> <b>304 Stainless Steel, Latticed Supply/Return Grilles</b> <small>(23 37 13 13-0235)</small>		
23 37 13 13-0276    SF    Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille ..... <i>For 316 Stainless Steel, Add</i>	89.62 10.46	22.38
23 37 13 13-0277    SF    >4 SF, 304 Stainless Steel, Latticed Supply/Return Grille ..... <i>For 316 Stainless Steel, Add</i>	89.62 10.46	22.38
<b>23 37 13 13-0278</b> <b>Removal And Reinstallation Of Distribution Devices</b> <small>(23 37 13 13)</small>		
Note: Includes storage and cleaning. Excludes ductwork.		
23 37 13 13-0279    EA    Removal And Reinstallation Of Variable Air Volume Terminal Unit ..... 23 37 13 13-0280    EA    Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit ..... 23 37 13 13-0281    EA    Removal And Reinstallation Of Lay-in Diffuser/Register/Grille ..... 23 37 13 13-0282    EA    Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille .....	268.65 296.31 44.41 60.15	
<b>23 37 13 43</b> <b>Security Registers and Grilles</b> <small>(23 37 13)</small>		
<b>23 37 13 43-0001</b> <b>Security Supply Or Return Grille</b> <small>(23 37 13 43)</small>		
Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.		
23 37 13 43-0002    EA    8" x 4" Steel Security Grille ..... <i>For Stainless Steel, Add</i> <i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> <i>For 1" x 1" Square Holes On Face, Add</i> <i>For Anchoring Tabs, Add</i> <i>For Angle Iron Frame, Add</i> <i>For Rear Operated Opposed Blade Damper, Add</i>	262.32 285.04 0.35 54.82 21.93 37.20 81.05	21.53
23 37 13 43-0003    EA    8" x 6" Steel Security Grille ..... <i>For Stainless Steel, Add</i> <i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> <i>For 1" x 1" Square Holes On Face, Add</i> <i>For Anchoring Tabs, Add</i> <i>For Angle Iron Frame, Add</i> <i>For Rear Operated Opposed Blade Damper, Add</i>	290.33 319.59 0.35 61.46 24.58 41.33 90.49	22.24
23 37 13 43-0004    EA    8" x 8" Steel Security Grille ..... <i>For Stainless Steel, Add</i> <i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> <i>For 1" x 1" Square Holes On Face, Add</i> <i>For Anchoring Tabs, Add</i> <i>For Angle Iron Frame, Add</i> <i>For Rear Operated Opposed Blade Damper, Add</i>	332.61 367.09 0.35 70.60 28.24 47.38 103.86	25.12
23 37 13 43-0005    EA    10" x 4" Steel Security Grille ..... <i>For Stainless Steel, Add</i> <i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> <i>For 1" x 1" Square Holes On Face, Add</i> <i>For Anchoring Tabs, Add</i> <i>For Angle Iron Frame, Add</i> <i>For Rear Operated Opposed Blade Damper, Add</i>	291.32 315.28 0.35 60.63 24.25 41.26 89.76	24.39
23 37 13 43-0006    EA    10" x 6" Steel Security Grille ..... <i>For Stainless Steel, Add</i> <i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> <i>For 1" x 1" Square Holes On Face, Add</i> <i>For Anchoring Tabs, Add</i> <i>For Angle Iron Frame, Add</i> <i>For Rear Operated Opposed Blade Damper, Add</i>	310.80 336.87 0.35 64.78 25.91 44.04 95.86	25.83

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0007 EA 10" x 8" Steel Security Grille .....	354.96	27.98
For Stainless Steel, Add	388.69	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	74.75	
For Anchoring Tabs, Add	29.90	
For Angle Iron Frame, Add	50.45	
For Rear Operated Opposed Blade Damper, Add	110.24	
23 37 13 43-0008 EA 10" x 10" Steel Security Grille .....	395.81	30.14
For Stainless Steel, Add	436.20	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	83.89	
For Anchoring Tabs, Add	33.55	
For Angle Iron Frame, Add	56.36	
For Rear Operated Opposed Blade Damper, Add	123.47	
23 37 13 43-0009 EA 12" x 4" Steel Security Grille .....	307.01	27.27
For Stainless Steel, Add	328.22	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	63.12	
For Anchoring Tabs, Add	25.25	
For Angle Iron Frame, Add	43.33	
For Rear Operated Opposed Blade Damper, Add	93.82	
23 37 13 43-0010 EA 12" x 6" Steel Security Grille .....	342.65	30.14
For Stainless Steel, Add	367.09	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	70.60	
For Anchoring Tabs, Add	28.24	
For Angle Iron Frame, Add	48.38	
For Rear Operated Opposed Blade Damper, Add	104.86	
23 37 13 43-0011 EA 12" x 8" Steel Security Grille .....	390.15	32.29
For Stainless Steel, Add	423.24	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	81.39	
For Anchoring Tabs, Add	32.56	
For Angle Iron Frame, Add	55.29	
For Rear Operated Opposed Blade Damper, Add	120.41	
23 37 13 43-0012 EA 12" x 10" Steel Security Grille .....	424.35	34.44
For Stainless Steel, Add	462.11	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	88.87	
For Anchoring Tabs, Add	35.55	
For Angle Iron Frame, Add	60.21	
For Rear Operated Opposed Blade Damper, Add	131.30	
23 37 13 43-0013 EA 12" x 12" Steel Security Grille .....	468.52	36.59
For Stainless Steel, Add	513.94	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	98.84	
For Anchoring Tabs, Add	39.53	
For Angle Iron Frame, Add	66.62	
For Rear Operated Opposed Blade Damper, Add	145.69	
23 37 13 43-0014 EA 14" x 4" Steel Security Grille .....	327.92	29.42
For Stainless Steel, Add	349.82	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	67.27	
For Anchoring Tabs, Add	26.91	
For Angle Iron Frame, Add	46.25	
For Rear Operated Opposed Blade Damper, Add	100.06	
23 37 13 43-0015 EA 14" x 6" Steel Security Grille .....	368.79	31.57
For Stainless Steel, Add	397.33	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	76.41	
For Anchoring Tabs, Add	30.56	
For Angle Iron Frame, Add	52.16	
For Rear Operated Opposed Blade Damper, Add	113.29	
23 37 13 43-0016 EA 14" x 8" Steel Security Grille .....	411.06	34.44
For Stainless Steel, Add	444.83	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	85.55	
For Anchoring Tabs, Add	34.22	
For Angle Iron Frame, Add	58.22	
For Rear Operated Opposed Blade Damper, Add	126.65	
23 37 13 43-0017 EA 14" x 10" Steel Security Grille .....	463.31	37.32
For Stainless Steel, Add	505.30	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	97.17	
For Anchoring Tabs, Add	38.87	
For Angle Iron Frame, Add	65.77	
For Rear Operated Opposed Blade Damper, Add	143.50	
23 37 13 43-0018 EA 14" x 12" Steel Security Grille .....	510.36	40.91
For Stainless Steel, Add	557.13	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	107.14	
For Anchoring Tabs, Add	42.86	
For Angle Iron Frame, Add	72.46	
For Rear Operated Opposed Blade Damper, Add	158.18	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0019 EA 14" x 14" Steel Security Grille .....	549.32	43.77
For Stainless Steel, Add	600.31	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	115.45	
For Anchoring Tabs, Add	46.18	
For Angle Iron Frame, Add	78.02	
For Rear Operated Opposed Blade Damper, Add	170.38	
23 37 13 43-0020 EA 16" x 6" Steel Security Grille .....	394.45	34.44
For Stainless Steel, Add	423.24	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	81.39	
For Anchoring Tabs, Add	32.56	
For Angle Iron Frame, Add	55.72	
For Rear Operated Opposed Blade Damper, Add	120.84	
23 37 13 43-0021 EA 16" x 8" Steel Security Grille .....	450.02	37.32
For Stainless Steel, Add	488.02	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	93.85	
For Anchoring Tabs, Add	37.54	
For Angle Iron Frame, Add	63.77	
For Rear Operated Opposed Blade Damper, Add	138.85	
23 37 13 43-0022 EA 16" x 10" Steel Security Grille .....	485.66	40.18
For Stainless Steel, Add	526.89	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	101.33	
For Anchoring Tabs, Add	40.53	
For Angle Iron Frame, Add	68.83	
For Rear Operated Opposed Blade Damper, Add	149.89	
23 37 13 43-0023 EA 16" x 12" Steel Security Grille .....	546.45	42.33
For Stainless Steel, Add	600.31	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	115.45	
For Anchoring Tabs, Add	46.18	
For Angle Iron Frame, Add	77.73	
For Rear Operated Opposed Blade Damper, Add	170.09	
23 37 13 43-0024 EA 16" x 14" Steel Security Grille .....	578.77	45.21
For Stainless Steel, Add	634.87	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	122.09	
For Anchoring Tabs, Add	48.84	
For Angle Iron Frame, Add	82.30	
For Rear Operated Opposed Blade Damper, Add	179.97	
23 37 13 43-0025 EA 16" x 16" Steel Security Grille .....	627.69	48.08
For Stainless Steel, Add	691.00	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	132.89	
For Anchoring Tabs, Add	53.15	
For Angle Iron Frame, Add	89.35	
For Rear Operated Opposed Blade Damper, Add	195.65	
23 37 13 43-0026 EA 18" x 6" Steel Security Grille .....	419.67	38.74
For Stainless Steel, Add	444.83	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	85.55	
For Anchoring Tabs, Add	34.22	
For Angle Iron Frame, Add	59.08	
For Rear Operated Opposed Blade Damper, Add	127.51	
23 37 13 43-0027 EA 18" x 8" Steel Security Grille .....	478.57	41.62
For Stainless Steel, Add	513.94	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	98.84	
For Anchoring Tabs, Add	39.53	
For Angle Iron Frame, Add	67.62	
For Rear Operated Opposed Blade Damper, Add	146.69	
23 37 13 43-0028 EA 18" x 10" Steel Security Grille .....	524.17	44.49
For Stainless Steel, Add	565.76	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	108.80	
For Anchoring Tabs, Add	43.52	
For Angle Iron Frame, Add	74.18	
For Rear Operated Opposed Blade Damper, Add	161.22	
23 37 13 43-0029 EA 18" x 12" Steel Security Grille .....	576.42	47.36
For Stainless Steel, Add	626.22	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	120.43	
For Anchoring Tabs, Add	48.17	
For Angle Iron Frame, Add	81.73	
For Rear Operated Opposed Blade Damper, Add	178.07	
23 37 13 43-0030 EA 18" x 14" Steel Security Grille .....	614.86	46.64
For Stainless Steel, Add	678.05	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	130.40	
For Anchoring Tabs, Add	52.16	
For Angle Iron Frame, Add	87.57	
For Rear Operated Opposed Blade Damper, Add	191.88	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0031 EA 18" x 16" Steel Security Grille .....	672.32	48.80
For Stainless Steel, Add	747.15	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	143.68	
For Anchoring Tabs, Add	57.47	
For Angle Iron Frame, Add	95.97	
For Rear Operated Opposed Blade Damper, Add	210.91	
23 37 13 43-0032 EA 18" x 18" Steel Security Grille .....	719.81	50.95
For Stainless Steel, Add	803.30	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	154.48	
For Anchoring Tabs, Add	61.79	
For Angle Iron Frame, Add	102.88	
For Rear Operated Opposed Blade Damper, Add	226.46	
23 37 13 43-0033 EA 20" x 6" Steel Security Grille .....	450.11	42.33
For Stainless Steel, Add	475.07	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	91.36	
For Anchoring Tabs, Add	36.54	
For Angle Iron Frame, Add	63.28	
For Rear Operated Opposed Blade Damper, Add	136.37	
23 37 13 43-0034 EA 20" x 8" Steel Security Grille .....	508.55	46.64
For Stainless Steel, Add	539.85	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	103.82	
For Anchoring Tabs, Add	41.53	
For Angle Iron Frame, Add	71.62	
For Rear Operated Opposed Blade Damper, Add	154.67	
23 37 13 43-0035 EA 20" x 10" Steel Security Grille .....	559.37	48.80
For Stainless Steel, Add	600.31	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	115.45	
For Anchoring Tabs, Add	46.18	
For Angle Iron Frame, Add	79.03	
For Rear Operated Opposed Blade Damper, Add	171.38	
23 37 13 43-0036 EA 20" x 12" Steel Security Grille .....	614.93	51.67
For Stainless Steel, Add	665.09	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	127.90	
For Anchoring Tabs, Add	51.16	
For Angle Iron Frame, Add	87.07	
For Rear Operated Opposed Blade Damper, Add	189.40	
23 37 13 43-0037 EA 20" x 14" Steel Security Grille .....	675.71	53.82
For Stainless Steel, Add	738.52	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	142.02	
For Anchoring Tabs, Add	56.81	
For Angle Iron Frame, Add	95.98	
For Rear Operated Opposed Blade Damper, Add	209.59	
23 37 13 43-0038 EA 20" x 16" Steel Security Grille .....	729.85	55.97
For Stainless Steel, Add	803.30	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	154.48	
For Anchoring Tabs, Add	61.79	
For Angle Iron Frame, Add	103.88	
For Rear Operated Opposed Blade Damper, Add	227.47	
23 37 13 43-0039 EA 20" x 18" Steel Security Grille .....	780.67	58.12
For Stainless Steel, Add	863.76	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	166.11	
For Anchoring Tabs, Add	66.44	
For Angle Iron Frame, Add	111.29	
For Rear Operated Opposed Blade Damper, Add	244.17	
23 37 13 43-0040 EA 20" x 20" Steel Security Grille .....	841.46	60.27
For Stainless Steel, Add	937.18	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	180.23	
For Anchoring Tabs, Add	72.09	
For Angle Iron Frame, Add	120.19	
For Rear Operated Opposed Blade Damper, Add	264.37	
23 37 13 43-0041 EA 24" x 6" Steel Security Grille .....	500.01	47.36
For Stainless Steel, Add	526.89	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	101.33	
For Anchoring Tabs, Add	40.53	
For Angle Iron Frame, Add	70.27	
For Rear Operated Opposed Blade Damper, Add	151.33	
23 37 13 43-0042 EA 24" x 8" Steel Security Grille .....	565.10	51.67
For Stainless Steel, Add	600.31	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	115.45	
For Anchoring Tabs, Add	46.18	
For Angle Iron Frame, Add	79.60	
For Rear Operated Opposed Blade Damper, Add	171.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0043 EA 24" x 10" Steel Security Grille .....	617.80	53.10
For Stainless Steel, Add	665.09	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	127.90	
For Anchoring Tabs, Add	51.16	
For Angle Iron Frame, Add	87.36	
For Rear Operated Opposed Blade Damper, Add	189.68	
23 37 13 43-0044 EA 24" x 12" Steel Security Grille .....	692.40	58.84
For Stainless Steel, Add	747.15	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	143.68	
For Anchoring Tabs, Add	57.47	
For Angle Iron Frame, Add	97.98	
For Rear Operated Opposed Blade Damper, Add	212.92	
23 37 13 43-0045 EA 24" x 14" Steel Security Grille .....	746.53	61.00
For Stainless Steel, Add	811.93	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	156.14	
For Anchoring Tabs, Add	62.46	
For Angle Iron Frame, Add	105.88	
For Rear Operated Opposed Blade Damper, Add	230.79	
23 37 13 43-0046 EA 24" x 16" Steel Security Grille .....	813.96	63.15
For Stainless Steel, Add	894.00	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	171.92	
For Anchoring Tabs, Add	68.77	
For Angle Iron Frame, Add	115.78	
For Rear Operated Opposed Blade Damper, Add	253.32	
23 37 13 43-0047 EA 24" x 18" Steel Security Grille .....	891.34	65.30
For Stainless Steel, Add	989.00	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	190.19	
For Anchoring Tabs, Add	76.08	
For Angle Iron Frame, Add	127.17	
For Rear Operated Opposed Blade Damper, Add	279.33	
23 37 13 43-0048 EA 24" x 20" Steel Security Grille .....	945.47	67.45
For Stainless Steel, Add	1,053.78	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	202.65	
For Anchoring Tabs, Add	81.06	
For Angle Iron Frame, Add	135.08	
For Rear Operated Opposed Blade Damper, Add	297.20	
23 37 13 43-0049 EA 24" x 24" Steel Security Grille .....	1,060.39	71.76
For Stainless Steel, Add	1,191.98	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	229.23	
For Anchoring Tabs, Add	91.69	
For Angle Iron Frame, Add	151.88	
For Rear Operated Opposed Blade Damper, Add	335.27	

**23 37 23 HVAC Gravity Ventilators (23 37)**

**23 37 23 13 HVAC Gravity Dome Ventilators (23 37 23)**

**23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood (23 37 23 13)**

Note: Includes flange base and bird screen. Excludes curb.

23 37 23 13-0002 EA 8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	722.17	83.10
23 37 23 13-0003 EA 8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	772.61	95.14
23 37 23 13-0004 EA 8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	965.14	118.35
23 37 23 13-0005 EA 8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,028.01	125.95
23 37 23 13-0006 EA 8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,199.59	146.58
23 37 23 13-0007 EA 10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	847.97	94.57
23 37 23 13-0008 EA 12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	934.94	106.61
23 37 23 13-0009 EA 12" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,074.09	114.62
23 37 23 13-0010 EA 12" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,186.23	138.92
23 37 23 13-0011 EA 12" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,351.64	149.01
23 37 23 13-0012 EA 12" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,516.85	158.18
23 37 23 13-0013 EA 14" x 14" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,005.98	107.89
23 37 23 13-0014 EA 14" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,146.40	122.94
23 37 23 13-0015 EA 14" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,286.80	137.98
23 37 23 13-0016 EA 14" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,450.50	155.61
23 37 23 13-0017 EA 14" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,637.75	175.67
23 37 23 13-0018 EA 16" x 16" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,216.51	130.53
23 37 23 13-0019 EA 16" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,263.36	135.54
23 37 23 13-0020 EA 16" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,403.75	150.59
23 37 23 13-0021 EA 16" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,590.87	170.65
23 37 23 13-0022 EA 16" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,777.98	190.71
23 37 23 13-0023 EA 16" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,035.36	218.36
23 37 23 13-0024 EA 18" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,207.90	128.66
23 37 23 13-0025 EA 18" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,405.50	149.74
23 37 23 13-0026 EA 18" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,603.25	170.80
23 37 23 13-0027 EA 18" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,822.84	194.15
23 37 23 13-0028 EA 18" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,020.45	215.21
23 37 23 13-0029 EA 20" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,278.26	142.72

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 37 Air Outlets and Inlets**



MINOR CSI UOM DESCRIPTION TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

23 37 23 13-0030	EA	20" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,445.82	161.48
23 37 23 13-0031	EA	20" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,613.53	180.11
23 37 23 13-0032	EA	20" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,865.01	208.19
23 37 23 13-0033	EA	20" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,053.55	229.26
23 37 23 13-0034	EA	24" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,627.30	191.86
23 37 23 13-0035	EA	24" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,805.86	212.92
23 37 23 13-0036	EA	24" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,063.90	243.30
23 37 23 13-0037	EA	24" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,262.31	266.65
23 37 23 13-0038	EA	24" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,480.63	292.44
23 37 23 13-0039	EA	30" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,941.13	218.36
23 37 23 13-0040	EA	30" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,138.84	240.57
23 37 23 13-0041	EA	30" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,354.65	264.79
23 37 23 13-0042	EA	30" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,570.29	289.14
23 37 23 13-0043	EA	30" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,127.42	351.76
23 37 23 13-0044	EA	30" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,343.22	375.97
23 37 23 13-0045	EA	36" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,264.32	270.95
23 37 23 13-0046	EA	36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,483.91	297.17
23 37 23 13-0047	EA	36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,973.93	355.78
23 37 23 13-0048	EA	36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,311.82	396.18
23 37 23 13-0049	EA	36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,514.69	420.54
23 37 23 13-0050	EA	36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,785.00	452.78
23 37 23 13-0051	EA	36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,258.18	509.37
23 37 23 13-0052	EA	42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,674.72	303.33
23 37 23 13-0053	EA	42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,320.81	376.55
23 37 23 13-0054	EA	42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,786.70	429.42
23 37 23 13-0055	EA	42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,921.85	444.75
23 37 23 13-0056	EA	42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,372.66	495.77
23 37 23 13-0057	EA	42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,808.40	545.19
23 37 23 13-0058	EA	48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,581.79	437.87
23 37 23 13-0059	EA	48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,874.56	473.70
23 37 23 13-0060	EA	48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,167.20	509.52
23 37 23 13-0061	EA	48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,627.11	565.68
23 37 23 13-0062	EA	48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,864.72	573.13
23 37 23 13-0063	EA	54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,137.94	493.61
23 37 23 13-0064	EA	54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,641.55	553.65
23 37 23 13-0065	EA	54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,036.36	600.79
23 37 23 13-0066	EA	54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,362.91	639.76
23 37 23 13-0067	EA	60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,156.72	614.54
23 37 23 13-0068	EA	60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,428.37	655.10
23 37 23 13-0069	EA	60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,823.48	705.39
23 37 23 13-0070	EA	66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,499.26	708.68
23 37 23 13-0071	EA	66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,430.79	828.75
23 37 23 13-0072	EA	72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,508.69	764.13

**23 38 Ventilation Hoods <sup>(23 30)</sup>**

**23 38 13 Commercial-Kitchen Hoods <sup>(23 38)</sup>**

**23 38 13 13 Listed Commercial-Kitchen Hoods <sup>(23 38 13)</sup>**

**23 38 13 13-0001 Universal Ventless Hood <sup>(23 38 13 13)</sup>**

23 38 13 13-0002	EA	109" Wide x 50" Deep x 102" High, Ventless Exhaust Hood With Stand, (Wells WVU-96)	48,845.38	449.45
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**23 38 13 16 Standard Commercial-Kitchen Hoods <sup>(23 38 13)</sup>**

**23 38 13 16-0001 Commercial Kitchen Hood Ventilation System <sup>(23 38 13 16)</sup>**

Note: Excludes fire suppression. See CSI section 23 34 16 00-0108 for exhaust and supply fans.

**23 38 13 16-0002 Dry Filter Exhaust Hoods <sup>(23 38 13 16-0001)</sup>**

Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.

23 38 13 16-0003	EA	8' Long x 60" Deep Dry Filter Exhaust Hood	11,490.12	843.25
23 38 13 16-0004	EA	8'-6" Long x 60" Deep Dry Filter Exhaust Hood	11,966.07	895.96
23 38 13 16-0005	EA	9' Long x 60" Deep Dry Filter Exhaust Hood	13,356.34	948.66
23 38 13 16-0006	EA	9'-6" Long x 60" Deep Dry Filter Exhaust Hood	13,756.55	1,001.36
23 38 13 16-0007	EA	10' Long x 60" Deep Dry Filter Exhaust Hood	14,246.05	1,054.07
23 38 13 16-0008	EA	10'-6" Long x 60" Deep Dry Filter Exhaust Hood	14,764.11	1,106.77
23 38 13 16-0009	EA	11' Long x 60" Deep Dry Filter Exhaust Hood	15,254.26	1,159.47
23 38 13 16-0010	EA	11'-6" Long x 60" Deep Dry Filter Exhaust Hood	15,759.68	1,212.17
23 38 13 16-0011	EA	12' Long x 60" Deep Dry Filter Exhaust Hood	16,323.35	1,264.88
23 38 13 16-0012	EA	12'-6" Long x 60" Deep Dry Filter Exhaust Hood	16,810.85	1,317.58
23 38 13 16-0013	EA	13' Long x 60" Deep Dry Filter Exhaust Hood	17,212.07	1,370.29
23 38 13 16-0014	EA	13'-6" Long x 60" Deep Dry Filter Exhaust Hood	17,895.71	1,422.99
23 38 13 16-0015	EA	14' Long x 60" Deep Dry Filter Exhaust Hood	20,049.72	1,475.69
23 38 13 16-0016	EA	14'-6" Long x 60" Deep Dry Filter Exhaust Hood	20,586.92	1,528.39
23 38 13 16-0017	EA	15" Long x 60" Deep Dry Filter Exhaust Hood	21,321.92	1,581.09
23 38 13 16-0018	EA	15'-6" Long x 60" Deep Dry Filter Exhaust Hood	21,871.70	1,633.80
23 38 13 16-0019	EA	16' Long x 60" Deep Dry Filter Exhaust Hood	22,699.68	1,686.51

**23 38 13 16-0020 Dry Extractor Exhaust Hoods <sup>(23 38 13 16-0001)</sup>**

Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0021	EA		8' Long x 60" Deep Dry Extractor Exhaust Hood.....	16,156.28	843.25
23 38 13 16-0022	EA		8'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	16,661.76	895.96
23 38 13 16-0023	EA		9' Long x 60" Deep Dry Extractor Exhaust Hood.....	18,140.63	948.66
23 38 13 16-0024	EA		9'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	18,658.97	1,001.36
23 38 13 16-0025	EA		10' Long x 60" Deep Dry Extractor Exhaust Hood.....	19,178.01	1,054.07
23 38 13 16-0026	EA		10'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	19,666.53	1,106.77
23 38 13 16-0027	EA		11' Long x 60" Deep Dry Extractor Exhaust Hood.....	20,186.21	1,159.47
23 38 13 16-0028	EA		11'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	20,676.86	1,212.17
23 38 13 16-0029	EA		12' Long x 60" Deep Dry Extractor Exhaust Hood.....	21,137.18	1,264.88
23 38 13 16-0030	EA		12'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	21,801.87	1,317.58
23 38 13 16-0031	EA		13' Long x 60" Deep Dry Extractor Exhaust Hood.....	22,572.25	1,370.29
23 38 13 16-0032	EA		13'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	23,388.78	1,422.99
23 38 13 16-0033	EA		14' Long x 60" Deep Dry Extractor Exhaust Hood.....	25,114.57	1,475.69
23 38 13 16-0034	EA		14'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	25,947.10	1,528.39
23 38 13 16-0035	EA		15' Long x 60" Deep Dry Extractor Exhaust Hood.....	27,582.84	1,581.09
23 38 13 16-0036	EA		15'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	29,240.09	1,633.80
23 38 13 16-0037	EA		16' Long x 60" Deep Dry Extractor Exhaust Hood.....	30,880.22	1,686.51

**23 38 13 16-0038**

**Single Manifold Water Wash Exhaust Hoods** (23 38 13 16-0001)

Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.

23 38 13 16-0039	EA		8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	17,337.59	843.25
23 38 13 16-0040	EA		8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	17,872.60	895.96
23 38 13 16-0041	EA		9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	19,381.00	948.66
23 38 13 16-0042	EA		9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	19,914.11	1,001.36
23 38 13 16-0043	EA		10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	20,477.44	1,054.07
23 38 13 16-0044	EA		10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	20,995.50	1,106.77
23 38 13 16-0045	EA		11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	21,529.95	1,159.47
23 38 13 16-0046	EA		11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	22,064.90	1,212.17
23 38 13 16-0047	EA		12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	22,539.98	1,264.88
23 38 13 16-0048	EA		12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	23,263.73	1,317.58
23 38 13 16-0049	EA		13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	24,093.18	1,370.29
23 38 13 16-0050	EA		13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	24,968.78	1,422.99
23 38 13 16-0051	EA		14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	26,753.63	1,475.69
23 38 13 16-0052	EA		14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	27,645.23	1,528.39
23 38 13 16-0053	EA		15' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	29,443.40	1,581.09
23 38 13 16-0054	EA		15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	30,332.80	1,633.80
23 38 13 16-0055	EA		16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	31,219.85	1,686.51
23 38 13 16-0056	EA		Fan Wash Control Panel.....	12,475.22	421.62

Note: Includes time clock and backflow preventer.

**23 38 13 16-0057**

**Utility Distribution System (UDS)** (23 38 13 16-0001)

Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.

23 38 13 16-0058	EA		8' Long UDS.....	32,631.42	428.80
23 38 13 16-0059	EA		8'-6" Long UDS.....	33,594.78	439.23
23 38 13 16-0060	EA		9' Long UDS.....	34,547.65	449.45
23 38 13 16-0061	EA		9'-6" Long UDS.....	35,508.85	463.79
23 38 13 16-0062	EA		10' Long UDS.....	36,464.10	475.18
23 38 13 16-0063	EA		10'-6" Long UDS.....	37,410.36	487.18
23 38 13 16-0064	EA		11' Long UDS.....	38,369.58	495.51
23 38 13 16-0065	EA		11'-6" Long UDS.....	39,328.10	508.59
23 38 13 16-0066	EA		12' Long UDS.....	40,297.53	527.04
23 38 13 16-0067	EA		12'-6" Long UDS.....	41,280.15	552.11
23 38 13 16-0068	EA		13' Long UDS.....	42,245.06	568.35
23 38 13 16-0069	EA		13'-6" Long UDS.....	43,223.91	591.54
23 38 13 16-0070	EA		14' Long UDS.....	44,193.70	610.20
23 38 13 16-0071	EA		14'-6" Long UDS.....	45,165.93	630.12
23 38 13 16-0072	EA		15' Long UDS.....	46,140.86	651.41
23 38 13 16-0073	EA		15'-6" Long UDS.....	47,118.74	674.08
23 38 13 16-0074	EA		16' Long UDS.....	48,083.29	690.20

**23 38 13 16-0075**

**Stainless Steel Exhaust Hood Material** (23 38 13 16)

Note: Welded seams.

23 38 13 16-0076	SF		16 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	47.63	17.58
			<i>For Type 316 Stainless Steel, Add</i>	1.12	
23 38 13 16-0077	SF		14 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	59.55	23.43
			<i>For Type 316 Stainless Steel, Add</i>	1.40	
23 38 13 16-0078	SF		12 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	82.64	31.64
			<i>For Type 316 Stainless Steel, Add</i>	1.95	
23 38 13 16-0079	SF		10 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	103.25	38.66
			<i>For Type 316 Stainless Steel, Add</i>	2.51	

**23 38 13 16-0080**

**Kitchen Exhaust Hood** (23 38 13 16)

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 38 Ventilation Hoods**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0081 EA 10' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System With PSP Makeup Air (Halifax LPSHP1048).....	10,680.34	2,643.12
Note: Ductwork connections by others.		
For Type 316 Stainless Steel, Add	539.41	
23 38 13 16-0082 EA 8' x 4', Type 1, Commercial Kitchen Hood System With Short Cycle Makeup Air (Halifax SCHP848).....	9,623.09	2,114.50
Note: Ductwork connections by others.		
For Type 316 Stainless Steel, Add	539.41	
23 38 13 16-0083 EA 4' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP448).....	5,188.10	1,057.25
Note: Ductwork connections by others.		
For Type 316 Stainless Steel, Add	307.36	
23 38 13 16-0084 EA 6' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP648).....	6,772.08	1,585.88
Note: Ductwork connections by others.		
For Type 316 Stainless Steel, Add	360.03	
23 38 13 16-0085 EA 5' x 4', Type 1, Commercial Kitchen Hood System (Halifax EXHP548).....	6,058.38	1,321.56
Note: Ductwork connections by others.		
For Type 316 Stainless Steel, Add	341.53	

**23 40 HVAC Air Cleaning Devices** <sup>(23)</sup>**23 41 Particulate Air Filtration** <sup>(23 40)</sup>**23 41 13 Panel Air Filters** <sup>(23 41)</sup>**23 41 13 00-0001 Disposable Air Filters** <sup>(23 41 13)</sup>

23 41 13 00-0002 EA Throwaway Glass Or Paper Media Filter, Residential.....	14.55	
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**23 41 13 00-0003 Disposable Fiberglass Air Filters** <sup>(23 41 13)</sup>

23 41 13 00-0004 EA 8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.60	6.89
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0005 EA 8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.60	6.89
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0006 EA 8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.33	6.89
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0007 EA 10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.31	7.21
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0008 EA 10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.31	7.21
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0009 EA 10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.31	7.21
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0010 EA 10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.31	7.21
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0011 EA 10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.53	7.21
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0012 EA 12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5.....	15.11	7.53
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0013 EA 12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5.....	15.08	7.53
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0014 EA 12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.45	7.53
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0015 EA 12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.45	7.53
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0016 EA 12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.45	7.53
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0017 EA 12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	16.92	7.53
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0018 EA 12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5.....	19.74	7.53
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0019 EA 14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5.....	16.23	7.96
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0020 EA 14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5.....	18.59	7.96
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0021 EA 14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5.....	15.32	7.96
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0022 EA 14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	16.23	7.96
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0023 EA 14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5.....	15.32	7.96
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0024 EA 14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	17.08	7.96
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0025 EA 15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5.....	15.53	8.19
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0026 EA 15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5.....	15.53	8.19
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0027 EA 15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	19.65	8.19
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0028 EA 16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5.....	15.70	8.29
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0029 EA 16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5.....	17.23	8.29
Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0030 EA 16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5.....	15.75	8.29
Note: One-piece kraft fiberboard frame with two metal grids.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0031 EA 16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.66	8.29
23 41 13 00-0032 EA 16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.16	8.29
23 41 13 00-0033 EA 16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.81	8.29
23 41 13 00-0034 EA 16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	23.23	8.29
23 41 13 00-0035 EA 16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.96	8.29
23 41 13 00-0036 EA 18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.09	8.61
23 41 13 00-0037 EA 18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.73	8.61
23 41 13 00-0038 EA 18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.09	8.61
23 41 13 00-0039 EA 18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.28	8.61
23 41 13 00-0040 EA 18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.01	8.61
23 41 13 00-0041 EA 18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.01	8.61
23 41 13 00-0042 EA 19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.93	9.04
23 41 13 00-0043 EA 20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.16	9.04
23 41 13 00-0044 EA 20" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.28	9.04
23 41 13 00-0045 EA 20" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.55	9.04
23 41 13 00-0046 EA 20" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.03	9.04
23 41 13 00-0047 EA 20" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	24.24	9.04
23 41 13 00-0048 EA 20" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.03	9.04
23 41 13 00-0049 EA 21" x 21" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.21	9.15
23 41 13 00-0050 EA 22" x 22" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.43	9.26
23 41 13 00-0051 EA 24" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.58	9.36
23 41 13 00-0052 EA 24" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.18	9.36
23 41 13 00-0053 EA 24" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	26.34	9.36
23 41 13 00-0054 EA 25" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.72	9.47
23 41 13 00-0055 EA 25" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	26.85	9.47
23 41 13 00-0056 EA 10" x 10" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.17	7.21
23 41 13 00-0057 EA 10" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.15	7.21
23 41 13 00-0058 EA 12" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.49	7.53
23 41 13 00-0059 EA 14" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.06	7.96
23 41 13 00-0060 EA 14" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.06	7.96
23 41 13 00-0061 EA 15" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.46	8.19
23 41 13 00-0062 EA 16" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.38	8.29
23 41 13 00-0063 EA 16" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.22	8.29
23 41 13 00-0064 EA 16" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.60	8.29
23 41 13 00-0065 EA 18" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.69	8.61
23 41 13 00-0066 EA 20" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.37	9.04
23 41 13 00-0067 EA 20" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.11	9.04
23 41 13 00-0068 EA 20" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.11	9.04
23 41 13 00-0069 EA 24" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.81	9.36
23 41 13 00-0070 EA 25" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.95	9.47
<b>23 41 13 00-0071 Disposable Pleated Air Filters</b> <small>(23 41 13)</small>		
23 41 13 00-0072 EA 10" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	15.35	7.21

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41	13 00-0073	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 8	22.12	7.21
23 41	13 00-0074	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 8	27.47	7.21
23 41	13 00-0075	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 8	19.44	7.53
23 41	13 00-0076	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 8	18.18	7.53
23 41	13 00-0077	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 8	17.98	7.53
23 41	13 00-0078	EA	12" x 25" x 1" Disposable Pleated Air Filter, MERV 8	17.98	7.53
23 41	13 00-0079	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 8	27.91	7.53
23 41	13 00-0080	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 8	21.89	7.96
23 41	13 00-0081	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 8	18.75	7.96
23 41	13 00-0082	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 8	23.49	7.96
23 41	13 00-0083	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 8	19.33	7.96
23 41	13 00-0084	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 8	27.05	7.96
23 41	13 00-0085	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 8	19.16	8.19
23 41	13 00-0086	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 8	22.32	8.29
23 41	13 00-0087	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 8	18.91	8.29
23 41	13 00-0088	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.78	8.29
23 41	13 00-0089	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 8	19.56	8.29
23 41	13 00-0090	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 8	27.48	8.29
23 41	13 00-0091	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 8	29.34	8.61
23 41	13 00-0092	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 8	22.17	8.61
23 41	13 00-0093	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.81	8.61
23 41	13 00-0094	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 8	21.56	8.61
23 41	13 00-0095	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 8	29.51	8.61
23 41	13 00-0096	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 8	20.67	9.04
23 41	13 00-0097	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.97	9.04
23 41	13 00-0098	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 8	21.75	9.04
23 41	13 00-0099	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 8	24.35	9.04
23 41	13 00-0100	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 8	29.24	9.26
23 41	13 00-0101	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 8	23.35	9.36
23 41	13 00-0102	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 8	35.64	9.36
23 41	13 00-0103	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 8	24.62	9.47
23 41	13 00-0104	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 8	17.87	7.21
23 41	13 00-0105	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 8	22.96	7.53
23 41	13 00-0106	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 8	18.73	7.53
23 41	13 00-0107	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 8	18.47	7.53
23 41	13 00-0108	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 8	19.52	7.96
23 41	13 00-0109	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 8	20.31	7.96
23 41	13 00-0110	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 8	19.81	8.19
23 41	13 00-0111	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 8	24.51	8.29
23 41	13 00-0112	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 8	19.47	8.29
23 41	13 00-0113	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 8	21.97	8.29
23 41	13 00-0114	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 8	20.48	8.29
23 41	13 00-0115	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 8	28.10	8.61
23 41	13 00-0116	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 8	24.23	8.61
23 41	13 00-0117	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 8	22.17	8.61
23 41	13 00-0118	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 8	22.96	8.61
23 41	13 00-0119	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 8	21.68	9.04
23 41	13 00-0120	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 8	23.12	9.04
23 41	13 00-0121	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 8	22.87	9.04
23 41	13 00-0122	EA	20" x 30" x 2" Disposable Pleated Air Filter, MERV 8	32.20	9.04
23 41	13 00-0123	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 8	24.45	9.36
23 41	13 00-0124	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 8	26.84	9.47
23 41	13 00-0125	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 8	27.51	7.53
23 41	13 00-0126	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 8	29.76	8.29
23 41	13 00-0127	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 8	31.70	8.29
23 41	13 00-0128	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 8	34.13	8.61
23 41	13 00-0129	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 8	32.61	9.04
23 41	13 00-0130	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 8	35.33	9.04
23 41	13 00-0131	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 8	35.58	9.04
23 41	13 00-0132	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 8	38.74	9.36
23 41	13 00-0133	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 11	25.09	7.21
23 41	13 00-0134	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 11	25.09	7.21
23 41	13 00-0135	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 11	32.11	7.21
23 41	13 00-0136	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 11	26.58	7.53
23 41	13 00-0137	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 11	25.95	7.53
23 41	13 00-0138	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 11	25.85	7.53
23 41	13 00-0139	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 11	36.31	7.53
23 41	13 00-0140	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 11	30.08	7.96
23 41	13 00-0141	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 11	26.68	7.96
23 41	13 00-0142	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 11	33.99	7.96
23 41	13 00-0143	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 11	33.28	7.96
23 41	13 00-0144	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 11	38.80	7.96
23 41	13 00-0145	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 11	25.72	8.19
23 41	13 00-0146	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 11	35.77	8.29
23 41	13 00-0147	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 11	24.15	8.29
23 41	13 00-0148	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 11	30.67	8.29
23 41	13 00-0149	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 11	28.32	8.29
23 41	13 00-0150	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 11	36.86	8.29
23 41	13 00-0151	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 11	37.74	8.61
23 41	13 00-0152	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 11	32.29	8.61
23 41	13 00-0153	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 11	29.28	8.61





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0154	EA		18" x 25" x 1" Disposable Pleated Air Filter, MERV 11	31.10	8.61
23 41 13 00-0155	EA		18" x 30" x 1" Disposable Pleated Air Filter, MERV 11	42.43	8.61
23 41 13 00-0156	EA		20" x 20" x 1" Disposable Pleated Air Filter, MERV 11	29.50	9.04
23 41 13 00-0157	EA		20" x 24" x 1" Disposable Pleated Air Filter, MERV 11	32.19	9.04
23 41 13 00-0158	EA		20" x 25" x 1" Disposable Pleated Air Filter, MERV 11	32.48	9.04
23 41 13 00-0159	EA		20" x 30" x 1" Disposable Pleated Air Filter, MERV 11	37.49	9.04
23 41 13 00-0160	EA		22" x 22" x 1" Disposable Pleated Air Filter, MERV 11	41.34	9.26
23 41 13 00-0161	EA		24" x 24" x 1" Disposable Pleated Air Filter, MERV 11	35.15	9.36
23 41 13 00-0162	EA		24" x 30" x 1" Disposable Pleated Air Filter, MERV 11	44.99	9.36
23 41 13 00-0163	EA		25" x 25" x 1" Disposable Pleated Air Filter, MERV 11	39.34	9.47
23 41 13 00-0164	EA		10" x 20" x 2" Disposable Pleated Air Filter, MERV 11	25.51	7.21
23 41 13 00-0165	EA		12" x 12" x 2" Disposable Pleated Air Filter, MERV 11	26.86	7.53
23 41 13 00-0166	EA		12" x 20" x 2" Disposable Pleated Air Filter, MERV 11	25.61	7.53
23 41 13 00-0167	EA		12" x 24" x 2" Disposable Pleated Air Filter, MERV 11	29.80	7.53
23 41 13 00-0168	EA		14" x 20" x 2" Disposable Pleated Air Filter, MERV 11	26.97	7.96
23 41 13 00-0169	EA		14" x 25" x 2" Disposable Pleated Air Filter, MERV 11	28.17	7.96
23 41 13 00-0170	EA		15" x 20" x 2" Disposable Pleated Air Filter, MERV 11	27.70	8.19
23 41 13 00-0171	EA		16" x 16" x 2" Disposable Pleated Air Filter, MERV 11	36.48	8.29
23 41 13 00-0172	EA		16" x 20" x 2" Disposable Pleated Air Filter, MERV 11	31.99	8.29
23 41 13 00-0173	EA		16" x 24" x 2" Disposable Pleated Air Filter, MERV 11	31.23	8.29
23 41 13 00-0174	EA		16" x 25" x 2" Disposable Pleated Air Filter, MERV 11	35.13	8.29
23 41 13 00-0175	EA		18" x 18" x 2" Disposable Pleated Air Filter, MERV 11	41.84	8.61
23 41 13 00-0176	EA		18" x 20" x 2" Disposable Pleated Air Filter, MERV 11	33.56	8.61
23 41 13 00-0177	EA		18" x 24" x 2" Disposable Pleated Air Filter, MERV 11	38.04	8.61
23 41 13 00-0178	EA		18" x 25" x 2" Disposable Pleated Air Filter, MERV 11	33.21	8.61
23 41 13 00-0179	EA		20" x 20" x 2" Disposable Pleated Air Filter, MERV 11	36.72	9.04
23 41 13 00-0180	EA		20" x 24" x 2" Disposable Pleated Air Filter, MERV 11	39.21	9.04
23 41 13 00-0181	EA		20" x 25" x 2" Disposable Pleated Air Filter, MERV 11	39.58	9.04
23 41 13 00-0182	EA		24" x 24" x 2" Disposable Pleated Air Filter, MERV 11	39.64	9.36
23 41 13 00-0183	EA		25" x 25" x 2" Disposable Pleated Air Filter, MERV 11	40.15	9.47
23 41 13 00-0184	EA		12" x 24" x 4" Disposable Pleated Air Filter, MERV 11	47.42	7.53
23 41 13 00-0185	EA		16" x 20" x 4" Disposable Pleated Air Filter, MERV 11	48.69	8.29
23 41 13 00-0186	EA		16" x 25" x 4" Disposable Pleated Air Filter, MERV 11	57.64	8.29
23 41 13 00-0187	EA		18" x 24" x 4" Disposable Pleated Air Filter, MERV 11	57.63	8.61
23 41 13 00-0188	EA		20" x 20" x 4" Disposable Pleated Air Filter, MERV 11	57.52	9.04
23 41 13 00-0189	EA		20" x 24" x 4" Disposable Pleated Air Filter, MERV 11	63.14	9.04
23 41 13 00-0190	EA		20" x 25" x 4" Disposable Pleated Air Filter, MERV 11	63.14	9.04
23 41 13 00-0191	EA		24" x 24" x 4" Disposable Pleated Air Filter, MERV 11	70.30	9.36
23 41 13 00-0192	EA		8" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.50	6.89
23 41 13 00-0193	EA		8" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.50	6.89
23 41 13 00-0194	EA		8" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.50	6.89
23 41 13 00-0195	EA		10" x 10" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.93	7.21
23 41 13 00-0196	EA		10" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.62	7.21
23 41 13 00-0197	EA		10" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.93	7.21
23 41 13 00-0198	EA		10" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.93	7.21
23 41 13 00-0199	EA		10" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.93	7.21
23 41 13 00-0200	EA		12" x 12" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.06	7.53
23 41 13 00-0201	EA		12" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.37	7.53
23 41 13 00-0202	EA		12" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.06	7.53
23 41 13 00-0203	EA		12" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.06	7.53
23 41 13 00-0204	EA		12" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.37	7.53
23 41 13 00-0205	EA		12" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.37	7.53
23 41 13 00-0206	EA		12" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.68	7.53
23 41 13 00-0207	EA		14" x 14" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.63	7.96
23 41 13 00-0208	EA		14" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.94	7.96
23 41 13 00-0209	EA		14" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.63	7.96
23 41 13 00-0210	EA		14" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.63	7.96
23 41 13 00-0211	EA		14" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.63	7.96
23 41 13 00-0212	EA		14" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.94	7.96
23 41 13 00-0213	EA		15" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.92	8.19
23 41 13 00-0214	EA		15" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.23	8.19
23 41 13 00-0215	EA		15" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.23	8.19
23 41 13 00-0216	EA		16" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.06	8.29
23 41 13 00-0217	EA		16" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.37	8.29
23 41 13 00-0218	EA		16" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.06	8.29
23 41 13 00-0219	EA		16" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.06	8.29
23 41 13 00-0220	EA		16" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.06	8.29
23 41 13 00-0221	EA		16" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.37	8.29
23 41 13 00-0222	EA		16" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.37	8.29
23 41 13 00-0223	EA		16" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.64	8.29
23 41 13 00-0224	EA		18" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.49	8.61
23 41 13 00-0225	EA		18" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.11	8.61
23 41 13 00-0226	EA		18" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.49	8.61
23 41 13 00-0227	EA		18" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.11	8.61
23 41 13 00-0228	EA		18" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.11	8.61
23 41 13 00-0229	EA		18" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	38.07	8.61
23 41 13 00-0230	EA		19" x 27" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.69	9.04
23 41 13 00-0231	EA		20" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.07	9.04
23 41 13 00-0232	EA		20" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.07	9.04
23 41 13 00-0233	EA		20" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.07	9.04
23 41 13 00-0234	EA		20" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.38	9.04

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0235 EA 20" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	38.65	9.04
23 41 13 00-0236 EA 20" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	38.65	9.04
23 41 13 00-0237 EA 21" x 21" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	35.83	9.15
23 41 13 00-0238 EA 22" x 22" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.66	9.26
23 41 13 00-0239 EA 24" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.44	9.36
23 41 13 00-0240 EA 24" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.44	9.36
23 41 13 00-0241 EA 24" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	41.70	9.36
23 41 13 00-0242 EA 25" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.58	9.47
23 41 13 00-0243 EA 25" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	41.84	9.47
23 41 13 00-0244 EA 30" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	42.12	9.68
<b>23 41 13 00-0245 Carbon Vapor Trap, Disposable V-Bank Filter (23 41 13)</b>		
23 41 13 00-0246 EA 24" x 24" x 12" Thick Carbon Vapor, Disposable V-Bank Filter .....	881.19	21.53
<b>23 41 13 00-0247 Electrostatic Air Filters With Frame, Element And Busbar (23 41 13)</b>		
23 41 13 00-0248 MF3 Electrostatic Air Filter, High Efficiency Non Supported With Frame, Element And Busbar .....	68.34	
23 41 13 00-0249 MF3 Electrostatic Air Filter, Medium Efficiency Non Supported With Frame, Element And Busbar .....	66.00	
23 41 13 00-0250 MF3 Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar .....	2.85	
<b>23 41 16 Renewable-Media Air Filters (23 41)</b>		
<b>23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar (23 41 16)</b>		
23 41 16 00-0002 MF3 Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar.....	117.60	
<b>23 41 19 Washable Air Filters (23 41)</b>		
<b>23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar (23 41 19)</b>		
23 41 19 00-0002 MF3 Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar .....	44.90	
<b>23 41 33 High-Efficiency Particulate Filtration (23 41)</b>		
<b>23 41 33 00-0001 High Efficiency Particulate Air (HEPA) Filters (23 41 33)</b>		
Note: Includes particle board and kraft paper frame and separator material.		
<b>23 41 33 00-0002 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% (23 41 33 00-0001)</b>		
23 41 33 00-0003 EA 12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete.....	129.24	20.09
For >25 To 50, Deduct	-6.46	
For >10 To 25, Deduct	-3.23	
For >100, Deduct	-12.92	
For >50 To 100, Deduct	-9.69	
For Removal And Replacement In Existing Equipment, Add	4.02	
23 41 33 00-0004 EA 24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete.....	170.23	22.97
For >25 To 50, Deduct	-8.51	
For >10 To 25, Deduct	-4.26	
For >100, Deduct	-17.02	
For >50 To 100, Deduct	-12.77	
For Removal And Replacement In Existing Equipment, Add	4.59	
23 41 33 00-0005 EA 24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete.....	199.11	26.55
For >25 To 50, Deduct	-9.96	
For >10 To 25, Deduct	-4.98	
For >100, Deduct	-19.91	
For >50 To 100, Deduct	-14.93	
For Removal And Replacement In Existing Equipment, Add	5.31	
23 41 33 00-0006 EA 24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete.....	227.99	30.14
For >25 To 50, Deduct	-11.40	
For >10 To 25, Deduct	-5.70	
For >100, Deduct	-22.80	
For >50 To 100, Deduct	-17.10	
For Removal And Replacement In Existing Equipment, Add	6.03	
23 41 33 00-0007 EA 12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete.....	156.21	21.53
For >25 To 50, Deduct	-7.81	
For >10 To 25, Deduct	-3.91	
For >100, Deduct	-15.62	
For >50 To 100, Deduct	-11.72	
For Removal And Replacement In Existing Equipment, Add	4.31	
23 41 33 00-0008 EA 24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete.....	208.16	25.12
For >25 To 50, Deduct	-10.41	
For >10 To 25, Deduct	-5.20	
For >100, Deduct	-20.82	
For >50 To 100, Deduct	-15.61	
For Removal And Replacement In Existing Equipment, Add	5.02	
23 41 33 00-0009 EA 24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete.....	248.25	28.70
For >25 To 50, Deduct	-12.41	
For >10 To 25, Deduct	-6.21	
For >100, Deduct	-24.83	
For >50 To 100, Deduct	-18.62	
For Removal And Replacement In Existing Equipment, Add	5.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0010 EA 24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete .....	295.52	35.88
For >25 To 50, Deduct	-14.78	
For >10 To 25, Deduct	-7.39	
For >100, Deduct	-29.55	
For >50 To 100, Deduct	-22.16	
For Removal And Replacement In Existing Equipment, Add	7.18	
<b>23 41 33 00-0011 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99%</b> <small>(23 41 33 00-0001)</small>		
23 41 33 00-0012 EA 12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete .....	111.04	17.94
For >25 To 50, Deduct	-5.55	
For >10 To 25, Deduct	-2.78	
For >100, Deduct	-11.10	
For >50 To 100, Deduct	-8.33	
For Removal And Replacement In Existing Equipment, Add	3.59	
23 41 33 00-0013 EA 24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete .....	152.28	21.53
For >25 To 50, Deduct	-7.61	
For >10 To 25, Deduct	-3.81	
For >100, Deduct	-15.23	
For >50 To 100, Deduct	-11.42	
For Removal And Replacement In Existing Equipment, Add	4.31	
23 41 33 00-0014 EA 24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete .....	229.68	25.12
For >25 To 50, Deduct	-11.48	
For >10 To 25, Deduct	-5.74	
For >100, Deduct	-22.97	
For >50 To 100, Deduct	-17.23	
For Removal And Replacement In Existing Equipment, Add	5.02	
23 41 33 00-0015 EA 36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete .....	293.78	28.70
For >25 To 50, Deduct	-14.69	
For >10 To 25, Deduct	-7.34	
For >100, Deduct	-29.38	
For >50 To 100, Deduct	-22.03	
For Removal And Replacement In Existing Equipment, Add	5.74	
23 41 33 00-0016 EA 8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete .....	103.79	14.35
For >25 To 50, Deduct	-5.19	
For >10 To 25, Deduct	-2.59	
For >100, Deduct	-10.38	
For >50 To 100, Deduct	-7.78	
For Removal And Replacement In Existing Equipment, Add	2.87	
23 41 33 00-0017 EA 12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete .....	137.70	19.38
For >25 To 50, Deduct	-6.89	
For >10 To 25, Deduct	-3.44	
For >100, Deduct	-13.77	
For >50 To 100, Deduct	-10.33	
For Removal And Replacement In Existing Equipment, Add	3.87	
23 41 33 00-0018 EA 24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete .....	184.05	22.97
For >25 To 50, Deduct	-9.20	
For >10 To 25, Deduct	-4.60	
For >100, Deduct	-18.41	
For >50 To 100, Deduct	-13.80	
For Removal And Replacement In Existing Equipment, Add	4.59	
23 41 33 00-0019 EA 24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete .....	216.05	26.91
For >25 To 50, Deduct	-10.80	
For >10 To 25, Deduct	-5.40	
For >100, Deduct	-21.61	
For >50 To 100, Deduct	-16.20	
For Removal And Replacement In Existing Equipment, Add	5.38	
23 41 33 00-0020 EA 24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete .....	246.62	30.14
For >25 To 50, Deduct	-12.33	
For >10 To 25, Deduct	-6.17	
For >100, Deduct	-24.66	
For >50 To 100, Deduct	-18.50	
For Removal And Replacement In Existing Equipment, Add	6.03	
23 41 33 00-0021 EA 12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete .....	168.78	21.53
For >25 To 50, Deduct	-8.44	
For >10 To 25, Deduct	-4.22	
For >100, Deduct	-16.88	
For >50 To 100, Deduct	-12.66	
For Removal And Replacement In Existing Equipment, Add	4.31	
23 41 33 00-0022 EA 24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete .....	225.71	25.12
For >25 To 50, Deduct	-11.29	
For >10 To 25, Deduct	-5.64	
For >100, Deduct	-22.57	
For >50 To 100, Deduct	-16.93	
For Removal And Replacement In Existing Equipment, Add	5.02	
23 41 33 00-0023 EA 24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete .....	269.46	28.70
For >25 To 50, Deduct	-13.47	
For >10 To 25, Deduct	-6.74	
For >100, Deduct	-26.95	
For >50 To 100, Deduct	-20.21	
For Removal And Replacement In Existing Equipment, Add	5.74	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 41 33 00-0024	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete.....	332.21	35.88
		<i>For &gt;25 To 50, Deduct</i>	-16.61	
		<i>For &gt;10 To 25, Deduct</i>	-8.31	
		<i>For &gt;100, Deduct</i>	-33.22	
		<i>For &gt;50 To 100, Deduct</i>	-24.92	
		<i>For Removal And Replacement In Existing Equipment, Add</i>	7.18	

**23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal** (23 41 33)

Note: Nominal sizes.

23 41 33 00-0026	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	340.25	107.05
23 41 33 00-0027	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	640.43	212.77
23 41 33 00-0028	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	649.02	212.77
23 41 33 00-0029	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	654.74	212.77
23 41 33 00-0030	EA	24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	694.81	212.77
23 41 33 00-0031	EA	24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	744.90	212.77
23 41 33 00-0032	EA	48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	1,246.50	426.87
23 41 33 00-0033	EA	48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	1,368.15	426.87
23 41 33 00-0034	EA	48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	1,522.71	426.87
23 41 33 00-0035	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	364.58	107.05
23 41 33 00-0036	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	681.93	212.77
23 41 33 00-0037	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	691.95	212.77
23 41 33 00-0038	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	699.10	212.77
23 41 33 00-0039	EA	24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	746.33	212.77
23 41 33 00-0040	EA	24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	809.30	212.77
23 41 33 00-0041	EA	48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	1,346.68	426.87
23 41 33 00-0042	EA	48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	1,498.38	426.87
23 41 33 00-0043	EA	48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	1,690.15	426.87

**23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency** (23 41 33)

23 41 33 00-0045	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency .....	320.20	138.76
23 41 33 00-0046	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency .....	360.25	138.76

**23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency** (23 41 33)

23 41 33 00-0048	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency .....	315.61	138.76
23 41 33 00-0049	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency .....	345.15	138.76

**23 42 Gas-Phase Air Filtration** (23 40)**23 42 13 Activated-Carbon Air Filtration** (23 42)

23 42 13 00-0001	EA	12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter .....	46.57	10.76
23 42 13 00-0002	EA	16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter .....	47.07	10.76
23 42 13 00-0003	EA	16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter .....	47.37	10.76
23 42 13 00-0004	EA	20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter .....	47.37	10.76
23 42 13 00-0005	EA	20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter .....	51.13	10.76
23 42 13 00-0006	EA	24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter .....	57.30	10.76
23 42 13 00-0007	EA	12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter .....	58.48	12.20
23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter .....	58.90	12.20
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter .....	59.26	12.20
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter .....	59.26	12.20
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter .....	63.41	12.20
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter .....	74.97	12.20
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter .....	29.40	10.76
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter .....	31.18	10.76
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter .....	31.25	10.76
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter .....	33.59	10.76
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter .....	35.66	10.76
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter .....	33.98	12.20
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter .....	37.09	12.20
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter .....	37.75	12.20
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter .....	41.61	12.20
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter .....	44.07	12.20
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter .....	70.92	12.91

**23 43 Electronic Air Cleaners** (23 40)**23 43 23 Self-Contained Electronic Air Cleaners** (23 43)**23 43 23 00-0001 Stationary Floor, Room Air Purifier** (23 43 23)

23 43 23 00-0002	EA	Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M) .....	1,045.47	
23 43 23 00-0003	EA	Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L) .....	1,455.72	
23 43 23 00-0004	EA	Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL) .....	3,682.83	
23 43 23 00-0005	EA	Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact) .....	824.23	
23 43 23 00-0006	EA	Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine) .....	1,483.57	
23 43 23 00-0007	EA	Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial) .....	5,879.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 43 23 00-0008</b>	<b>Surface Mounted, Room Air Purifier</b> <small>(23 43 23)</small>		
23 43 23 00-0009	EA Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067)	2,644.06	
23 43 23 00-0010	EA Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064)	3,704.06	
23 43 23 00-0011	EA Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S)	4,244.06	
<b>23 43 23 00-0012</b>	<b>Suspension Ceiling Mounted, Room Air Purifier</b> <small>(23 43 23)</small>		
23 43 23 00-0013	EA 2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24)	3,442.68	
<b>23 43 23 00-0014</b>	<b>Wall Mounted, Room Air Purifier</b> <small>(23 43 23)</small>		
23 43 23 00-0015	EA Air Purifier, Wall Mount, Bipolar Ionizer (Bi-Polar 2400)	882.82	
<b>23 43 23 00-0016</b>	<b>Duct Mounted, Ionization System</b> <small>(23 43 23)</small>		
23 43 23 00-0017	EA Up To 10,000 CFM, 120/240 VAC, 50 Watt, 8 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 500FC)	11,447.72	574.06
23 43 23 00-0018	EA Up To 15,000 CFM, 120/240 VAC, 50 Watt, 5 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 508FC)	15,532.24	717.57

### 23 50 Central Heating Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

### 23 51 Breechings, Chimneys, and Stacks (23 50)

#### 23 51 13 Draft Control Devices (23 51)

##### 23 51 13 13 Draft-Induction Fans (23 51 13)

<b>23 51 13 13-0001</b>	<b>Vertical Discharge Fans</b> <small>(23 51 13 13)</small>		
	Note: Includes chimney adapter. Excludes wiring.		
<b>23 51 13 13-0002</b>	<b>Axial Vane Vertical Discharge Fans</b> <small>(23 51 13 13-0001)</small>		
23 51 13 13-0003	EA 450 CFM Vertical Discharge Chimney Fan, Axial Vane	2,886.52	290.74
23 51 13 13-0004	EA 950 CFM Vertical Discharge Chimney Fan, Axial Vane	3,264.75	317.18
23 51 13 13-0005	EA 1,400 CFM Vertical Discharge Chimney Fan, Axial Vane	3,900.23	350.21
23 51 13 13-0006	EA 1,800 CFM Vertical Discharge Chimney Fan, Axial Vane	5,065.79	406.38

##### 23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0008	EA 700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	3,450.16	317.18
23 51 13 13-0009	EA 1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	4,185.10	350.21
23 51 13 13-0010	EA 2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	5,406.91	409.68
23 51 13 13-0011	EA 3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	6,387.34	459.24

##### 23 51 13 13-0012 Accessories For Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0013	EA Modulating Fan Controller And Sensor	442.29	99.11
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##### 23 51 13 16 Vent Dampers (23 51 13)

<b>23 51 13 16-0001</b>	<b>Flue Shutter Draft Control Damper, Parallel Blade</b> <small>(23 51 13 16)</small>		
23 51 13 16-0002	EA 3" Round Flue Shutter Draft Control Damper	911.14	58.68
23 51 13 16-0003	EA 4" Round Flue Shutter Draft Control Damper	997.38	62.25
23 51 13 16-0004	EA 5" Round Flue Shutter Draft Control Damper	1,099.04	66.08
23 51 13 16-0005	EA 6" Round Flue Shutter Draft Control Damper	1,174.10	70.47
23 51 13 16-0006	EA 7" Round Flue Shutter Draft Control Damper	1,280.73	75.49
23 51 13 16-0007	EA 8" Round Flue Shutter Draft Control Damper	1,361.40	81.27
23 51 13 16-0008	EA 10" Round Flue Shutter Draft Control Damper	1,503.79	88.13
23 51 13 16-0009	EA 12" Round Flue Shutter Draft Control Damper	1,650.75	96.10
23 51 13 16-0010	EA 14" Round Flue Shutter Draft Control Damper	1,842.48	100.77
23 51 13 16-0011	EA 16" Round Flue Shutter Draft Control Damper	1,977.33	105.72
23 51 13 16-0012	EA 18" Round Flue Shutter Draft Control Damper	2,156.76	111.02
23 51 13 16-0013	EA 20" Round Flue Shutter Draft Control Damper	2,588.32	175.77
23 51 13 16-0014	EA 22" Round Flue Shutter Draft Control Damper	2,833.49	186.68
23 51 13 16-0015	EA 24" Round Flue Shutter Draft Control Damper	3,067.06	198.24
23 51 13 16-0016	EA 26" Round Flue Shutter Draft Control Damper	3,121.97	204.85
23 51 13 16-0017	EA 28" Round Flue Shutter Draft Control Damper	3,220.43	211.45
23 51 13 16-0018	EA 30" Round Flue Shutter Draft Control Damper	3,316.53	224.67
23 51 13 16-0019	EA 32" Round Flue Shutter Draft Control Damper	3,458.30	231.13
23 51 13 16-0020	EA 34" Round Flue Shutter Draft Control Damper	3,611.43	244.34
23 51 13 16-0021	EA 36" Round Flue Shutter Draft Control Damper	3,791.74	264.31
23 51 13 16-0022	EA 38" Round Flue Shutter Draft Control Damper	3,979.94	273.39
23 51 13 16-0023	EA 40" Round Flue Shutter Draft Control Damper	4,149.96	277.53
23 51 13 16-0024	EA 42" Round Flue Shutter Draft Control Damper	4,353.44	290.74
23 51 13 16-0025	EA 44" Round Flue Shutter Draft Control Damper	4,558.03	303.96

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 51 Breechings, Chimneys, and Stacks**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 51 13 16-0026	EA		46" Round Flue Shutter Draft Control Damper.....	4,763.15	317.18
23 51 13 16-0027	EA		48" Round Flue Shutter Draft Control Damper.....	4,967.46	330.39

**23 51 13 19 Barometric Dampers (23 51 13)**

**23 51 13 19-0001 Barometric Dampers (23 51 13 19)**

23 51 13 19-0002	EA		6" x 6" Barometric Damper.....	405.41	11.47
23 51 13 19-0003	EA		12" x 12" Barometric Damper.....	585.49	15.76
23 51 13 19-0004	EA		18" x 18" Barometric Damper.....	788.46	24.36
23 51 13 19-0005	EA		24" x 24" Barometric Damper.....	960.86	45.86
23 51 13 19-0006	EA		6" Diameter Barometric Damper .....	204.68	11.47
			<i>For Stainless Steel, Add</i>	208.27	
23 51 13 19-0007	EA		7" Diameter Barometric Damper .....	241.91	12.89
			<i>For Stainless Steel, Add</i>	247.43	
23 51 13 19-0008	EA		8" Diameter Barometric Damper .....	280.71	14.33
			<i>For Stainless Steel, Add</i>	286.95	
23 51 13 19-0009	EA		9" Diameter Barometric Damper .....	342.65	14.33
			<i>For Stainless Steel, Add</i>	363.49	
23 51 13 19-0010	EA		10" Diameter Barometric Damper .....	447.07	17.19
			<i>For Stainless Steel, Add</i>	495.22	
23 51 13 19-0011	EA		12" Diameter Barometric Damper .....	564.99	18.63
			<i>For Stainless Steel, Add</i>	638.69	
23 51 13 19-0012	EA		14" Diameter Barometric Damper .....	707.19	20.06
			<i>For Stainless Steel, Add</i>	814.57	
23 51 13 19-0013	EA		15" Diameter Barometric Damper .....	842.05	21.49
			<i>For Stainless Steel, Add</i>	979.06	
23 51 13 19-0014	EA		16" Diameter Barometric Damper .....	974.88	24.36
			<i>For Stainless Steel, Add</i>	1,143.17	
23 51 13 19-0015	EA		18" Diameter Barometric Damper .....	1,278.03	25.79
			<i>For Stainless Steel, Add</i>	1,527.32	
23 51 13 19-0016	EA		20" Diameter Barometric Damper .....	1,518.41	28.66
			<i>For Stainless Steel, Add</i>	1,828.15	
23 51 13 19-0017	EA		24" Diameter Barometric Damper .....	1,826.12	28.66
			<i>For Stainless Steel, Add</i>	2,221.56	
23 51 13 19-0018	EA		30" Diameter Barometric Damper .....	2,247.27	32.95
			<i>For Stainless Steel, Add</i>	2,753.80	
23 51 13 19-0019	EA		36" Diameter Barometric Damper .....	2,859.28	34.39
			<i>For Stainless Steel, Add</i>	3,540.60	

**23 51 16 Fabricated Breechings and Accessories (23 51)**

**23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)**

**23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0001)**

23 51 16 00-0003	LF		3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	35.10	11.76
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For 2" Wall Instead Of 1", Add</i>	4.66	
			<i>For Aluminum Liner, Add</i>	0.32	
			<i>For 304 Stainless Steel Liner, Add</i>	0.43	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.46	
23 51 16 00-0004	LF		4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	37.38	12.43
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For 2" Wall Instead Of 1", Add</i>	5.15	
			<i>For Aluminum Liner, Add</i>	0.39	
			<i>For 304 Stainless Steel Liner, Add</i>	0.53	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.24	
23 51 16 00-0005	LF		5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	41.07	13.22
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For 2" Wall Instead Of 1", Add</i>	5.78	
			<i>For Aluminum Liner, Add</i>	0.46	
			<i>For 304 Stainless Steel Liner, Add</i>	0.63	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.31	
23 51 16 00-0006	LF		6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	44.57	14.14
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For 2" Wall Instead Of 1", Add</i>	6.40	
			<i>For Aluminum Liner, Add</i>	0.53	
			<i>For 304 Stainless Steel Liner, Add</i>	0.73	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	11.34	
23 51 16 00-0007	LF		7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	51.26	15.06
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For 2" Wall Instead Of 1", Add</i>	7.99	
			<i>For Aluminum Liner, Add</i>	0.79	
			<i>For 304 Stainless Steel Liner, Add</i>	1.07	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	13.83	
23 51 16 00-0008	LF		8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	56.97	16.26
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For 2" Wall Instead Of 1", Add</i>	8.89	
			<i>For Aluminum Liner, Add</i>	0.88	
			<i>For 304 Stainless Steel Liner, Add</i>	1.20	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	15.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0009 LF 10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	78.04	17.45
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
For 2" Wall Instead Of 1", Add	14.54	
For Aluminum Liner, Add	1.85	
For 304 Stainless Steel Liner, Add	2.53	
For 3" To 4" Wall Instead Of 1", Add	24.03	
23 51 16 00-0010 LF 12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	93.28	19.30
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
For 2" Wall Instead Of 1", Add	18.36	
For Aluminum Liner, Add	2.48	
For 304 Stainless Steel Liner, Add	3.39	
For 3" To 4" Wall Instead Of 1", Add	29.95	
23 51 16 00-0011 LF 14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	126.22	20.09
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
For 2" Wall Instead Of 1", Add	27.80	
For Aluminum Liner, Add	4.17	
For 304 Stainless Steel Liner, Add	5.69	
For 3" To 4" Wall Instead Of 1", Add	44.21	
23 51 16 00-0012 LF 16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	154.93	21.15
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
For 2" Wall Instead Of 1", Add	35.95	
For Aluminum Liner, Add	5.63	
For 304 Stainless Steel Liner, Add	7.67	
For 3" To 4" Wall Instead Of 1", Add	56.56	
23 51 16 00-0013 LF 18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	188.22	22.21
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
For 2" Wall Instead Of 1", Add	45.25	
For Aluminum Liner, Add	7.27	
For 304 Stainless Steel Liner, Add	9.91	
For 3" To 4" Wall Instead Of 1", Add	70.68	
23 51 16 00-0014 LF 20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	243.92	35.28
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
For 2" Wall Instead Of 1", Add	55.76	
For Aluminum Liner, Add	8.63	
For 304 Stainless Steel Liner, Add	11.76	
For 3" To 4" Wall Instead Of 1", Add	88.00	
23 51 16 00-0015 LF 22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	291.83	37.27
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
For 2" Wall Instead Of 1", Add	68.74	
For Aluminum Liner, Add	10.88	
For 304 Stainless Steel Liner, Add	14.83	
For 3" To 4" Wall Instead Of 1", Add	107.81	
23 51 16 00-0016 LF 24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	343.74	39.65
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
For 2" Wall Instead Of 1", Add	83.14	
For Aluminum Liner, Add	13.41	
For 304 Stainless Steel Liner, Add	18.29	
For 3" To 4" Wall Instead Of 1", Add	129.70	
23 51 16 00-0017 LF 26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	395.55	40.97
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
For 2" Wall Instead Of 1", Add	98.21	
For Aluminum Liner, Add	16.13	
For 304 Stainless Steel Liner, Add	21.99	
For 3" To 4" Wall Instead Of 1", Add	152.43	
23 51 16 00-0018 LF 28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	414.30	42.29
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
For 2" Wall Instead Of 1", Add	103.15	
For Aluminum Liner, Add	16.97	
For 304 Stainless Steel Liner, Add	23.15	
For 3" To 4" Wall Instead Of 1", Add	160.01	
23 51 16 00-0019 LF 30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	440.51	45.33
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
For 2" Wall Instead Of 1", Add	109.52	
For Aluminum Liner, Add	18.00	
For 304 Stainless Steel Liner, Add	24.55	
For 3" To 4" Wall Instead Of 1", Add	169.94	
23 51 16 00-0020 LF 32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	495.87	47.05
For 2" Wall Instead Of 1", Add	125.29	
For Aluminum Liner, Add	20.82	
For 304 Stainless Steel Liner, Add	28.39	
For 3" To 4" Wall Instead Of 1", Add	193.80	
23 51 16 00-0021 LF 34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	553.24	48.77
For 2" Wall Instead Of 1", Add	141.60	
For Aluminum Liner, Add	23.73	
For 304 Stainless Steel Liner, Add	32.35	
For 3" To 4" Wall Instead Of 1", Add	218.49	
23 51 16 00-0022 LF 36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	581.97	50.75
For 2" Wall Instead Of 1", Add	149.25	
For Aluminum Liner, Add	25.04	
For 304 Stainless Steel Liner, Add	34.14	
For 3" To 4" Wall Instead Of 1", Add	230.20	
23 51 16 00-0023 LF 38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	629.85	52.86
For 2" Wall Instead Of 1", Add	162.56	
For Aluminum Liner, Add	27.38	
For 304 Stainless Steel Liner, Add	37.34	
For 3" To 4" Wall Instead Of 1", Add	250.44	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0024	LF		40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	691.97	55.11
			<i>For 2" Wall Instead Of 1", Add</i>	180.02	
			<i>For Aluminum Liner, Add</i>	30.48	
			<i>For 304 Stainless Steel Liner, Add</i>	41.56	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	276.93	
23 51 16 00-0025	LF		42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	723.92	57.62
			<i>For 2" Wall Instead Of 1", Add</i>	188.33	
			<i>For Aluminum Liner, Add</i>	31.88	
			<i>For 304 Stainless Steel Liner, Add</i>	43.48	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	289.71	
23 51 16 00-0026	LF		44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	798.98	60.40
			<i>For 2" Wall Instead Of 1", Add</i>	209.48	
			<i>For Aluminum Liner, Add</i>	35.64	
			<i>For 304 Stainless Steel Liner, Add</i>	48.59	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	321.77	
23 51 16 00-0027	LF		46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	866.19	63.44
			<i>For 2" Wall Instead Of 1", Add</i>	228.14	
			<i>For Aluminum Liner, Add</i>	38.92	
			<i>For 304 Stainless Steel Liner, Add</i>	53.07	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	350.13	
23 51 16 00-0028	LF		48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	950.92	66.74
			<i>For 2" Wall Instead Of 1", Add</i>	251.95	
			<i>For Aluminum Liner, Add</i>	43.14	
			<i>For 304 Stainless Steel Liner, Add</i>	58.82	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	386.26	
<b>23 51 16 00-0029</b>			<b>90 Degree Elbows</b> <small>(23 51 16 00-0001)</small>		
23 51 16 00-0030	EA		3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	84.68	23.52
			<i>For 2" Wall Instead Of 1", Add</i>	13.75	
			<i>For Aluminum Liner, Add</i>	1.45	
			<i>For 304 Stainless Steel Liner, Add</i>	1.98	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	23.54	
23 51 16 00-0031	EA		4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	93.15	24.84
			<i>For 2" Wall Instead Of 1", Add</i>	15.55	
			<i>For Aluminum Liner, Add</i>	1.71	
			<i>For 304 Stainless Steel Liner, Add</i>	2.34	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	26.43	
23 51 16 00-0032	EA		5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	103.01	26.43
			<i>For 2" Wall Instead Of 1", Add</i>	17.75	
			<i>For Aluminum Liner, Add</i>	2.05	
			<i>For 304 Stainless Steel Liner, Add</i>	2.79	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	29.91	
23 51 16 00-0033	EA		6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	113.17	28.15
			<i>For 2" Wall Instead Of 1", Add</i>	19.97	
			<i>For Aluminum Liner, Add</i>	2.38	
			<i>For 304 Stainless Steel Liner, Add</i>	3.24	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	33.45	
23 51 16 00-0034	EA		7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	132.77	30.13
			<i>For 2" Wall Instead Of 1", Add</i>	24.85	
			<i>For Aluminum Liner, Add</i>	3.18	
			<i>For 304 Stainless Steel Liner, Add</i>	4.34	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	41.02	
23 51 16 00-0035	EA		8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	153.73	32.51
			<i>For 2" Wall Instead Of 1", Add</i>	29.87	
			<i>For Aluminum Liner, Add</i>	3.99	
			<i>For 304 Stainless Steel Liner, Add</i>	5.43	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	48.86	
23 51 16 00-0036	EA		10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	255.03	35.28
			<i>For 2" Wall Instead Of 1", Add</i>	58.84	
			<i>For Aluminum Liner, Add</i>	9.17	
			<i>For 304 Stainless Steel Liner, Add</i>	12.50	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	92.67	
23 51 16 00-0037	EA		12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	306.21	38.45
			<i>For 2" Wall Instead Of 1", Add</i>	72.65	
			<i>For Aluminum Liner, Add</i>	11.56	
			<i>For 304 Stainless Steel Liner, Add</i>	15.76	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	113.78	
23 51 16 00-0038	EA		14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	391.28	40.31
			<i>For 2" Wall Instead Of 1", Add</i>	97.24	
			<i>For Aluminum Liner, Add</i>	15.98	
			<i>For 304 Stainless Steel Liner, Add</i>	21.79	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	150.90	
23 51 16 00-0039	EA		16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	476.53	42.29
			<i>For 2" Wall Instead Of 1", Add</i>	121.86	
			<i>For Aluminum Liner, Add</i>	20.41	
			<i>For 304 Stainless Steel Liner, Add</i>	27.83	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	188.06	
23 51 16 00-0040	EA		18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	609.95	44.54
			<i>For 2" Wall Instead Of 1", Add</i>	160.71	
			<i>For Aluminum Liner, Add</i>	27.42	
			<i>For 304 Stainless Steel Liner, Add</i>	37.39	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	246.63	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0041 EA 20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	864.70	70.44
<i>For 2" Wall Instead Of 1", Add</i>	224.15	
<i>For Aluminum Liner, Add</i>	37.86	
<i>For 304 Stainless Steel Liner, Add</i>	51.63	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	345.04	
23 51 16 00-0042 EA 22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	1,128.69	74.66
<i>For 2" Wall Instead Of 1", Add</i>	301.27	
<i>For Aluminum Liner, Add</i>	51.81	
<i>For 304 Stainless Steel Liner, Add</i>	70.65	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	461.24	
23 51 16 00-0043 EA 24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	1,270.89	79.29
<i>For 2" Wall Instead Of 1", Add</i>	341.58	
<i>For Aluminum Liner, Add</i>	58.98	
<i>For 304 Stainless Steel Liner, Add</i>	80.43	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	522.29	
<b>23 51 16 00-0044 45 Degree Elbows <small>(23 51 16 00-0001)</small></b>		
23 51 16 00-0045 EA 3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	73.90	23.52
<i>For 2" Wall Instead Of 1", Add</i>	10.43	
<i>For Aluminum Liner, Add</i>	0.84	
<i>For 304 Stainless Steel Liner, Add</i>	1.14	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	18.59	
23 51 16 00-0046 EA 4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	80.18	24.84
<i>For 2" Wall Instead Of 1", Add</i>	11.60	
<i>For Aluminum Liner, Add</i>	0.99	
<i>For 304 Stainless Steel Liner, Add</i>	1.34	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	20.52	
23 51 16 00-0047 EA 5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	87.19	26.43
<i>For 2" Wall Instead Of 1", Add</i>	12.94	
<i>For Aluminum Liner, Add</i>	1.16	
<i>For 304 Stainless Steel Liner, Add</i>	1.58	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	22.71	
23 51 16 00-0048 EA 6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	95.73	28.15
<i>For 2" Wall Instead Of 1", Add</i>	14.63	
<i>For Aluminum Liner, Add</i>	1.39	
<i>For 304 Stainless Steel Liner, Add</i>	1.90	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	25.46	
23 51 16 00-0049 EA 7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	111.71	30.13
<i>For 2" Wall Instead Of 1", Add</i>	18.42	
<i>For Aluminum Liner, Add</i>	1.99	
<i>For 304 Stainless Steel Liner, Add</i>	2.72	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	31.40	
23 51 16 00-0050 EA 8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	122.94	32.51
<i>For 2" Wall Instead Of 1", Add</i>	20.63	
<i>For Aluminum Liner, Add</i>	2.29	
<i>For 304 Stainless Steel Liner, Add</i>	3.13	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	35.01	
23 51 16 00-0051 EA 10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	192.30	35.28
<i>For 2" Wall Instead Of 1", Add</i>	40.06	
<i>For Aluminum Liner, Add</i>	5.73	
<i>For 304 Stainless Steel Liner, Add</i>	7.81	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	64.50	
23 51 16 00-0052 EA 12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	227.44	38.45
<i>For 2" Wall Instead Of 1", Add</i>	49.01	
<i>For Aluminum Liner, Add</i>	7.22	
<i>For 304 Stainless Steel Liner, Add</i>	9.85	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	78.32	
23 51 16 00-0053 EA 14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	285.51	40.31
<i>For 2" Wall Instead Of 1", Add</i>	65.51	
<i>For Aluminum Liner, Add</i>	10.16	
<i>For 304 Stainless Steel Liner, Add</i>	13.86	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	103.30	
23 51 16 00-0054 EA 16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	337.57	42.29
<i>For 2" Wall Instead Of 1", Add</i>	80.13	
<i>For Aluminum Liner, Add</i>	12.75	
<i>For 304 Stainless Steel Liner, Add</i>	17.39	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	125.48	
23 51 16 00-0055 EA 18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	422.87	44.54
<i>For 2" Wall Instead Of 1", Add</i>	104.61	
<i>For Aluminum Liner, Add</i>	17.14	
<i>For 304 Stainless Steel Liner, Add</i>	23.37	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	162.47	
23 51 16 00-0056 EA 20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	527.19	70.31
<i>For 2" Wall Instead Of 1", Add</i>	123.01	
<i>For Aluminum Liner, Add</i>	19.33	
<i>For 304 Stainless Steel Liner, Add</i>	26.36	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	193.30	
23 51 16 00-0057 EA 22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	715.65	74.66
<i>For 2" Wall Instead Of 1", Add</i>	177.36	
<i>For Aluminum Liner, Add</i>	29.09	
<i>For 304 Stainless Steel Liner, Add</i>	39.67	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	275.38	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0058 EA 24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	868.39	79.29
For 2" Wall Instead Of 1", Add	220.90	
For Aluminum Liner, Add	36.87	
For 304 Stainless Steel Liner, Add	50.27	
For 3" To 4" Wall Instead Of 1", Add	341.25	
23 51 16 00-0059 EA 26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,527.17	81.94
For 2" Wall Instead Of 1", Add	417.21	
For Aluminum Liner, Add	72.73	
For 304 Stainless Steel Liner, Add	99.18	
For 3" To 4" Wall Instead Of 1", Add	636.05	
23 51 16 00-0060 EA 28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,570.00	84.58
For 2" Wall Instead Of 1", Add	428.74	
For Aluminum Liner, Add	74.73	
For 304 Stainless Steel Liner, Add	101.90	
For 3" To 4" Wall Instead Of 1", Add	653.67	
23 51 16 00-0061 EA 30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,655.68	89.87
For 2" Wall Instead Of 1", Add	451.80	
For Aluminum Liner, Add	78.71	
For 304 Stainless Steel Liner, Add	107.34	
For 3" To 4" Wall Instead Of 1", Add	688.92	
23 51 16 00-0062 EA 32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,843.43	92.51
For 2" Wall Instead Of 1", Add	506.80	
For Aluminum Liner, Add	88.68	
For 304 Stainless Steel Liner, Add	120.92	
For 3" To 4" Wall Instead Of 1", Add	771.76	
23 51 16 00-0063 EA 34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,010.63	97.79
For 2" Wall Instead Of 1", Add	554.32	
For Aluminum Liner, Add	97.15	
For 304 Stainless Steel Liner, Add	132.47	
For 3" To 4" Wall Instead Of 1", Add	843.70	
23 51 16 00-0064 EA 36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,075.73	105.72
For 2" Wall Instead Of 1", Add	569.89	
For Aluminum Liner, Add	99.64	
For 304 Stainless Steel Liner, Add	135.87	
For 3" To 4" Wall Instead Of 1", Add	868.04	
23 51 16 00-0065 EA 38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,220.84	109.43
For 2" Wall Instead Of 1", Add	611.57	
For Aluminum Liner, Add	107.11	
For 304 Stainless Steel Liner, Add	146.06	
For 3" To 4" Wall Instead Of 1", Add	931.03	
23 51 16 00-0066 EA 40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,360.67	111.02
For 2" Wall Instead Of 1", Add	652.73	
For Aluminum Liner, Add	114.58	
For 304 Stainless Steel Liner, Add	156.25	
For 3" To 4" Wall Instead Of 1", Add	992.96	
23 51 16 00-0067 EA 42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,464.45	116.30
For 2" Wall Instead Of 1", Add	681.22	
For Aluminum Liner, Add	119.56	
For 304 Stainless Steel Liner, Add	163.04	
For 3" To 4" Wall Instead Of 1", Add	1,036.36	
23 51 16 00-0068 EA 44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,613.51	121.58
For 2" Wall Instead Of 1", Add	723.30	
For Aluminum Liner, Add	127.04	
For 304 Stainless Steel Liner, Add	173.23	
For 3" To 4" Wall Instead Of 1", Add	1,100.14	
23 51 16 00-0069 EA 46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,807.87	126.87
For 2" Wall Instead Of 1", Add	778.97	
For Aluminum Liner, Add	137.00	
For 304 Stainless Steel Liner, Add	186.82	
For 3" To 4" Wall Instead Of 1", Add	1,184.30	
23 51 16 00-0070 EA 48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,911.66	132.15
For 2" Wall Instead Of 1", Add	807.47	
For Aluminum Liner, Add	141.98	
For 304 Stainless Steel Liner, Add	193.61	
For 3" To 4" Wall Instead Of 1", Add	1,227.71	
<b>23 51 16 00-0071 Tees</b> <small>(23 51 16 00-0001)</small>		
23 51 16 00-0072 EA 3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	115.56	31.32
For 2" Wall Instead Of 1", Add	18.98	
For Aluminum Liner, Add	2.04	
For 304 Stainless Steel Liner, Add	2.79	
For 3" To 4" Wall Instead Of 1", Add	32.40	
23 51 16 00-0073 EA 4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	120.22	32.51
For 2" Wall Instead Of 1", Add	19.81	
For Aluminum Liner, Add	2.14	
For 304 Stainless Steel Liner, Add	2.92	
For 3" To 4" Wall Instead Of 1", Add	33.78	
23 51 16 00-0074 EA 5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	125.34	33.84
For 2" Wall Instead Of 1", Add	20.69	
For Aluminum Liner, Add	2.24	
For 304 Stainless Steel Liner, Add	3.06	
For 3" To 4" Wall Instead Of 1", Add	35.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0075 EA 6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	133.44	35.28
<i>For 2" Wall Instead Of 1", Add</i>	22.40	
<i>For Aluminum Liner, Add</i>	2.49	
<i>For 304 Stainless Steel Liner, Add</i>	3.40	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	38.01	
23 51 16 00-0076 EA 7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	154.48	36.74
<i>For 2" Wall Instead Of 1", Add</i>	27.95	
<i>For Aluminum Liner, Add</i>	3.44	
<i>For 304 Stainless Steel Liner, Add</i>	4.69	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	46.52	
23 51 16 00-0077 EA 8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	164.91	38.45
<i>For 2" Wall Instead Of 1", Add</i>	30.26	
<i>For Aluminum Liner, Add</i>	3.79	
<i>For 304 Stainless Steel Liner, Add</i>	5.16	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	50.19	
23 51 16 00-0078 EA 10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	287.29	40.31
<i>For 2" Wall Instead Of 1", Add</i>	66.05	
<i>For Aluminum Liner, Add</i>	10.26	
<i>For 304 Stainless Steel Liner, Add</i>	13.99	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	104.11	
23 51 16 00-0079 EA 12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	330.33	42.29
<i>For 2" Wall Instead Of 1", Add</i>	77.96	
<i>For Aluminum Liner, Add</i>	12.36	
<i>For 304 Stainless Steel Liner, Add</i>	16.85	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	122.23	
23 51 16 00-0080 EA 14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	483.39	47.05
<i>For 2" Wall Instead Of 1", Add</i>	121.53	
<i>For Aluminum Liner, Add</i>	20.13	
<i>For 304 Stainless Steel Liner, Add</i>	27.45	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	188.16	
23 51 16 00-0081 EA 16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	650.21	52.86
<i>For 2" Wall Instead Of 1", Add</i>	168.64	
<i>For Aluminum Liner, Add</i>	28.50	
<i>For 304 Stainless Steel Liner, Add</i>	38.86	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	259.57	
23 51 16 00-0082 EA 18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	803.17	60.40
<i>For 2" Wall Instead Of 1", Add</i>	210.75	
<i>For Aluminum Liner, Add</i>	35.87	
<i>For 304 Stainless Steel Liner, Add</i>	48.91	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	323.68	
23 51 16 00-0083 EA 20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,065.07	74.66
<i>For 2" Wall Instead Of 1", Add</i>	282.23	
<i>For Aluminum Liner, Add</i>	48.32	
<i>For 304 Stainless Steel Liner, Add</i>	65.90	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	432.67	
23 51 16 00-0084 EA 22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,339.83	97.53
<i>For 2" Wall Instead Of 1", Add</i>	353.18	
<i>For Aluminum Liner, Add</i>	60.28	
<i>For 304 Stainless Steel Liner, Add</i>	82.20	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	541.97	
23 51 16 00-0085 EA 24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,534.88	103.08
<i>For 2" Wall Instead Of 1", Add</i>	408.92	
<i>For Aluminum Liner, Add</i>	70.24	
<i>For 304 Stainless Steel Liner, Add</i>	95.79	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	626.27	
23 51 16 00-0086 EA 26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,089.22	111.02
<i>For 2" Wall Instead Of 1", Add</i>	571.24	
<i>For Aluminum Liner, Add</i>	99.64	
<i>For 304 Stainless Steel Liner, Add</i>	135.87	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	870.74	
23 51 16 00-0087 EA 28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,326.31	115.37
<i>For 2" Wall Instead Of 1", Add</i>	640.24	
<i>For Aluminum Liner, Add</i>	112.09	
<i>For 304 Stainless Steel Liner, Add</i>	152.85	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	974.77	
23 51 16 00-0088 EA 30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,523.13	121.58
<i>For 2" Wall Instead Of 1", Add</i>	696.15	
<i>For Aluminum Liner, Add</i>	122.05	
<i>For 304 Stainless Steel Liner, Add</i>	166.44	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,059.42	
23 51 16 00-0089 EA 32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,898.57	126.87
<i>For 2" Wall Instead Of 1", Add</i>	806.16	
<i>For Aluminum Liner, Add</i>	141.98	
<i>For 304 Stainless Steel Liner, Add</i>	193.61	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,225.09	
23 51 16 00-0090 EA 34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,957.18	132.15
<i>For 2" Wall Instead Of 1", Add</i>	821.08	
<i>For Aluminum Liner, Add</i>	144.47	
<i>For 304 Stainless Steel Liner, Add</i>	197.01	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,248.13	
23 51 16 00-0091 EA 36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,432.28	141.01
<i>For 2" Wall Instead Of 1", Add</i>	959.16	
<i>For Aluminum Liner, Add</i>	169.38	
<i>For 304 Stainless Steel Liner, Add</i>	230.98	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,456.38	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 51 Breechings, Chimneys, and Stacks**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0092	EA		38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,521.59	158.58
			<i>For 2" Wall Instead Of 1", Add</i>	977.15	
			<i>For Aluminum Liner, Add</i>	171.87	
			<i>For 304 Stainless Steel Liner, Add</i>	234.37	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,485.56	
23 51 16 00-0093	EA		40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,849.92	181.32
			<i>For 2" Wall Instead Of 1", Add</i>	1,064.33	
			<i>For Aluminum Liner, Add</i>	186.82	
			<i>For 304 Stainless Steel Liner, Add</i>	254.75	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,619.16	
23 51 16 00-0094	EA		42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,242.36	211.45
			<i>For 2" Wall Instead Of 1", Add</i>	1,166.98	
			<i>For Aluminum Liner, Add</i>	204.26	
			<i>For 304 Stainless Steel Liner, Add</i>	278.53	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,776.90	
23 51 16 00-0095	EA		44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,624.98	237.88
			<i>For 2" Wall Instead Of 1", Add</i>	1,268.65	
			<i>For Aluminum Liner, Add</i>	221.69	
			<i>For 304 Stainless Steel Liner, Add</i>	302.31	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,932.69	
23 51 16 00-0096	EA		46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,052.47	245.82
			<i>For 2" Wall Instead Of 1", Add</i>	1,392.92	
			<i>For Aluminum Liner, Add</i>	244.11	
			<i>For 304 Stainless Steel Liner, Add</i>	332.88	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	2,120.08	
23 51 16 00-0097	EA		48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,344.25	253.74
			<i>For 2" Wall Instead Of 1", Add</i>	1,476.45	
			<i>For Aluminum Liner, Add</i>	259.06	
			<i>For 304 Stainless Steel Liner, Add</i>	353.26	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	2,246.38	
<b>23 51 16 00-0098</b>			<b>Vent Top Caps</b> <small>(23 51 16 00-0001)</small>		
23 51 16 00-0099	EA		3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	60.01	18.37
			<i>For 2" Wall Instead Of 1", Add</i>	8.81	
			<i>For Aluminum Liner, Add</i>	0.77	
			<i>For 304 Stainless Steel Liner, Add</i>	1.05	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	15.51	
23 51 16 00-0100	EA		4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	62.86	19.30
			<i>For 2" Wall Instead Of 1", Add</i>	9.24	
			<i>For Aluminum Liner, Add</i>	0.81	
			<i>For 304 Stainless Steel Liner, Add</i>	1.11	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	16.26	
23 51 16 00-0101	EA		6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	78.49	21.15
			<i>For 2" Wall Instead Of 1", Add</i>	12.98	
			<i>For Aluminum Liner, Add</i>	1.41	
			<i>For 304 Stainless Steel Liner, Add</i>	1.92	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	22.11	
23 51 16 00-0102	EA		8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	84.31	23.52
			<i>For 2" Wall Instead Of 1", Add</i>	13.56	
			<i>For Aluminum Liner, Add</i>	1.41	
			<i>For 304 Stainless Steel Liner, Add</i>	1.92	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	23.27	
23 51 16 00-0103	EA		10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	99.89	24.84
			<i>For 2" Wall Instead Of 1", Add</i>	17.54	
			<i>For Aluminum Liner, Add</i>	2.08	
			<i>For 304 Stainless Steel Liner, Add</i>	2.83	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	29.42	
23 51 16 00-0104	EA		12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	115.90	26.43
			<i>For 2" Wall Instead Of 1", Add</i>	21.55	
			<i>For Aluminum Liner, Add</i>	2.74	
			<i>For 304 Stainless Steel Liner, Add</i>	3.74	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	35.64	
23 51 16 00-0105	EA		16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	250.29	30.13
			<i>For 2" Wall Instead Of 1", Add</i>	59.99	
			<i>For Aluminum Liner, Add</i>	9.62	
			<i>For 304 Stainless Steel Liner, Add</i>	13.11	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	93.76	
23 51 16 00-0106	EA		18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	453.06	37.80
			<i>For 2" Wall Instead Of 1", Add</i>	117.04	
			<i>For Aluminum Liner, Add</i>	19.73	
			<i>For 304 Stainless Steel Liner, Add</i>	26.90	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	180.28	
23 51 16 00-0107	EA		20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	819.78	45.33
			<i>For 2" Wall Instead Of 1", Add</i>	223.28	
			<i>For Aluminum Liner, Add</i>	38.86	
			<i>For 304 Stainless Steel Liner, Add</i>	52.99	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	340.59	
23 51 16 00-0108	EA		24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,354.25	63.44
			<i>For 2" Wall Instead Of 1", Add</i>	374.55	
			<i>For Aluminum Liner, Add</i>	65.76	
			<i>For 304 Stainless Steel Liner, Add</i>	89.67	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	569.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0109 EA 26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	1,978.44	66.74
<i>For 2" Wall Instead Of 1", Add</i>	560.16	
<i>For Aluminum Liner, Add</i>	99.64	
<i>For 304 Stainless Steel Liner, Add</i>	135.87	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	848.58	
23 51 16 00-0110 EA 28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	2,214.23	70.44
<i>For 2" Wall Instead Of 1", Add</i>	629.03	
<i>For Aluminum Liner, Add</i>	112.09	
<i>For 304 Stainless Steel Liner, Add</i>	152.85	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	952.35	
23 51 16 00-0111 EA 30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	2,496.43	74.66
<i>For 2" Wall Instead Of 1", Add</i>	711.60	
<i>For Aluminum Liner, Add</i>	127.04	
<i>For 304 Stainless Steel Liner, Add</i>	173.23	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,076.73	
23 51 16 00-0112 EA 32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	2,643.95	79.29
<i>For 2" Wall Instead Of 1", Add</i>	753.52	
<i>For Aluminum Liner, Add</i>	134.51	
<i>For 304 Stainless Steel Liner, Add</i>	183.42	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,140.20	
23 51 16 00-0113 EA 34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	2,793.02	84.58
<i>For 2" Wall Instead Of 1", Add</i>	795.60	
<i>For Aluminum Liner, Add</i>	141.98	
<i>For 304 Stainless Steel Liner, Add</i>	193.61	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,203.98	
23 51 16 00-0114 EA 36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	2,989.11	90.66
<i>For 2" Wall Instead Of 1", Add</i>	851.44	
<i>For Aluminum Liner, Add</i>	151.95	
<i>For 304 Stainless Steel Liner, Add</i>	207.20	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,288.49	
<b>23 51 16 00-0115 Wall Thimbles</b> <small>(23 51 16 00-0001)</small>		
23 51 16 00-0116 EA 3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	26.31	9.91
<i>For 2" Wall Instead Of 1", Add</i>	2.95	
<i>For Aluminum Liner, Add</i>	0.09	
<i>For 304 Stainless Steel Liner, Add</i>	0.12	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	5.66	
23 51 16 00-0117 EA 4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	33.49	12.69
<i>For 2" Wall Instead Of 1", Add</i>	3.68	
<i>For Aluminum Liner, Add</i>	0.09	
<i>For 304 Stainless Steel Liner, Add</i>	0.12	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.11	
23 51 16 00-0118 EA 5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	44.66	17.04
<i>For 2" Wall Instead Of 1", Add</i>	4.87	
<i>For Aluminum Liner, Add</i>	0.11	
<i>For 304 Stainless Steel Liner, Add</i>	0.15	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.44	
23 51 16 00-0119 EA 7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	55.75	21.15
<i>For 2" Wall Instead Of 1", Add</i>	6.15	
<i>For Aluminum Liner, Add</i>	0.16	
<i>For 304 Stainless Steel Liner, Add</i>	0.22	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	11.87	
23 51 16 00-0120 EA 10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	78.78	28.54
<i>For 2" Wall Instead Of 1", Add</i>	9.36	
<i>For Aluminum Liner, Add</i>	0.41	
<i>For 304 Stainless Steel Liner, Add</i>	0.56	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	17.61	
23 51 16 00-0121 EA 12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	99.06	35.42
<i>For 2" Wall Instead Of 1", Add</i>	12.01	
<i>For Aluminum Liner, Add</i>	0.58	
<i>For 304 Stainless Steel Liner, Add</i>	0.79	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	22.44	
23 51 16 00-0122 EA 14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	123.53	42.29
<i>For 2" Wall Instead Of 1", Add</i>	15.92	
<i>For Aluminum Liner, Add</i>	0.98	
<i>For 304 Stainless Steel Liner, Add</i>	1.34	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	29.16	
23 51 16 00-0123 EA 18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	157.42	50.22
<i>For 2" Wall Instead Of 1", Add</i>	22.12	
<i>For Aluminum Liner, Add</i>	1.75	
<i>For 304 Stainless Steel Liner, Add</i>	2.39	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	39.45	
23 51 16 00-0124 EA 22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	202.85	55.51
<i>For 2" Wall Instead Of 1", Add</i>	33.10	
<i>For Aluminum Liner, Add</i>	3.52	
<i>For 304 Stainless Steel Liner, Add</i>	4.81	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	56.59	
<b>23 51 16 00-0125 Adjustable Roof Flashing</b> <small>(23 51 16 00-0001)</small>		
23 51 16 00-0126 EA 3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	69.11	23.52
<i>For 2" Wall Instead Of 1", Add</i>	9.00	
<i>For Aluminum Liner, Add</i>	0.57	
<i>For 304 Stainless Steel Liner, Add</i>	0.78	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	16.43	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0127 EA 4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	75.64	24.84
For 2" Wall Instead Of 1", Add	10.25	
For Aluminum Liner, Add	0.74	
For 304 Stainless Steel Liner, Add	1.01	
For 3" To 4" Wall Instead Of 1", Add	18.48	
23 51 16 00-0128 EA 6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	92.89	28.15
For 2" Wall Instead Of 1", Add	13.78	
For Aluminum Liner, Add	1.24	
For 304 Stainless Steel Liner, Add	1.68	
For 3" To 4" Wall Instead Of 1", Add	24.19	
23 51 16 00-0129 EA 8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	111.98	32.51
For 2" Wall Instead Of 1", Add	17.34	
For Aluminum Liner, Add	1.69	
For 304 Stainless Steel Liner, Add	2.30	
For 3" To 4" Wall Instead Of 1", Add	30.07	
23 51 16 00-0130 EA 10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	172.39	35.28
For 2" Wall Instead Of 1", Add	34.09	
For Aluminum Liner, Add	4.63	
For 304 Stainless Steel Liner, Add	6.32	
For 3" To 4" Wall Instead Of 1", Add	55.54	
23 51 16 00-0131 EA 12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	202.95	38.45
For 2" Wall Instead Of 1", Add	41.67	
For Aluminum Liner, Add	5.88	
For 304 Stainless Steel Liner, Add	8.02	
For 3" To 4" Wall Instead Of 1", Add	67.31	
23 51 16 00-0132 EA 14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	237.06	42.29
For 2" Wall Instead Of 1", Add	49.97	
For Aluminum Liner, Add	7.22	
For 304 Stainless Steel Liner, Add	9.85	
For 3" To 4" Wall Instead Of 1", Add	80.25	
23 51 16 00-0133 EA 16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	280.66	47.05
For 2" Wall Instead Of 1", Add	60.67	
For Aluminum Liner, Add	8.97	
For 304 Stainless Steel Liner, Add	12.23	
For 3" To 4" Wall Instead Of 1", Add	96.89	
23 51 16 00-0134 EA 18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	412.99	52.86
For 2" Wall Instead Of 1", Add	97.46	
For Aluminum Liner, Add	15.44	
For 304 Stainless Steel Liner, Add	21.06	
For 3" To 4" Wall Instead Of 1", Add	152.80	
23 51 16 00-0135 EA 20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	462.44	70.44
For 2" Wall Instead Of 1", Add	103.49	
For Aluminum Liner, Add	15.74	
For 304 Stainless Steel Liner, Add	21.47	
For 3" To 4" Wall Instead Of 1", Add	164.05	
23 51 16 00-0136 EA 22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	588.93	90.66
For 2" Wall Instead Of 1", Add	131.36	
For Aluminum Liner, Add	19.93	
For 304 Stainless Steel Liner, Add	27.17	
For 3" To 4" Wall Instead Of 1", Add	208.37	
23 51 16 00-0137 EA 24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	699.09	105.72
For 2" Wall Instead Of 1", Add	156.87	
For Aluminum Liner, Add	23.91	
For 304 Stainless Steel Liner, Add	32.61	
For 3" To 4" Wall Instead Of 1", Add	248.51	
<b>23 51 16 00-0138 Galvanized Storm Collars (23 51 16 00-0001)</b>		
23 51 16 00-0139 EA 3" Round Galvanized Storm Collar, Double Wall .....	27.71	9.91
For 2" Wall Instead Of 1", Add	3.37	
For Aluminum Liner, Add	0.17	
For 304 Stainless Steel Liner, Add	0.23	
For 3" To 4" Wall Instead Of 1", Add	6.29	
23 51 16 00-0140 EA 4" Round Galvanized Storm Collar, Double Wall .....	35.17	12.69
For 2" Wall Instead Of 1", Add	4.21	
For Aluminum Liner, Add	0.19	
For 304 Stainless Steel Liner, Add	0.26	
For 3" To 4" Wall Instead Of 1", Add	7.90	
23 51 16 00-0141 EA 5" Round Galvanized Storm Collar, Double Wall .....	41.30	14.80
For 2" Wall Instead Of 1", Add	4.99	
For Aluminum Liner, Add	0.24	
For 304 Stainless Steel Liner, Add	0.32	
For 3" To 4" Wall Instead Of 1", Add	9.33	
23 51 16 00-0142 EA 6" Round Galvanized Storm Collar, Double Wall .....	47.45	16.91
For 2" Wall Instead Of 1", Add	5.78	
For Aluminum Liner, Add	0.28	
For 304 Stainless Steel Liner, Add	0.39	
For 3" To 4" Wall Instead Of 1", Add	10.78	
23 51 16 00-0143 EA 7" Or 8" Round Galvanized Storm Collar, Double Wall .....	59.73	21.15
For 2" Wall Instead Of 1", Add	7.35	
For Aluminum Liner, Add	0.38	
For 304 Stainless Steel Liner, Add	0.51	
For 3" To 4" Wall Instead Of 1", Add	13.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0144 EA 10" Round Galvanized Storm Collar, Double Wall.....	82.12	28.54
<i>For 2" Wall Instead Of 1", Add</i>	10.36	
<i>For Aluminum Liner, Add</i>	0.59	
<i>For 304 Stainless Steel Liner, Add</i>	0.81	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	19.11	
23 51 16 00-0145 EA 12" Round Galvanized Storm Collar, Double Wall.....	101.47	35.42
<i>For 2" Wall Instead Of 1", Add</i>	12.73	
<i>For Aluminum Liner, Add</i>	0.71	
<i>For 304 Stainless Steel Liner, Add</i>	0.97	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	23.52	
23 51 16 00-0146 EA 14" Or 16" Round Galvanized Storm Collar, Double Wall.....	127.65	42.29
<i>For 2" Wall Instead Of 1", Add</i>	17.15	
<i>For Aluminum Liner, Add</i>	1.21	
<i>For 304 Stainless Steel Liner, Add</i>	1.64	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	31.01	
23 51 16 00-0147 EA 18" Or 20" Round Galvanized Storm Collar, Double Wall.....	165.22	50.22
<i>For 2" Wall Instead Of 1", Add</i>	24.46	
<i>For Aluminum Liner, Add</i>	2.18	
<i>For 304 Stainless Steel Liner, Add</i>	2.98	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	42.96	
23 51 16 00-0148 EA 22" Or 24" Round Galvanized Storm Collar, Double Wall.....	222.37	55.51
<i>For 2" Wall Instead Of 1", Add</i>	38.96	
<i>For Aluminum Liner, Add</i>	4.60	
<i>For 304 Stainless Steel Liner, Add</i>	6.27	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	65.38	
<b>23 51 16 00-0149 Oval Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)</b>		
<b>23 51 16 00-0150 Oval Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0149)</b>		
23 51 16 00-0151 LF 4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	44.05	12.43
<i>For 2" Wall Instead Of 1", Add</i>	7.00	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	12.06	
23 51 16 00-0152 LF 5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	48.21	13.22
<i>For 2" Wall Instead Of 1", Add</i>	7.91	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	13.50	
23 51 16 00-0153 LF 6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	53.16	14.14
<i>For 2" Wall Instead Of 1", Add</i>	8.89	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	15.10	
<b>23 51 16 00-0154 45 Degree Elbows (23 51 16 00-0149)</b>		
23 51 16 00-0155 EA 4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	95.58	25.77
<i>For 2" Wall Instead Of 1", Add</i>	15.78	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	26.90	
23 51 16 00-0156 EA 5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	111.56	30.13
<i>For 2" Wall Instead Of 1", Add</i>	18.40	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	31.37	
23 51 16 00-0157 EA 6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	131.72	34.10
<i>For 2" Wall Instead Of 1", Add</i>	22.46	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	37.96	
23 51 16 00-0158 EA 4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	97.14	25.77
<i>For 2" Wall Instead Of 1", Add</i>	16.25	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	27.60	
23 51 16 00-0159 EA 5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	115.34	30.13
<i>For 2" Wall Instead Of 1", Add</i>	19.54	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	33.07	
23 51 16 00-0160 EA 6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	134.16	34.10
<i>For 2" Wall Instead Of 1", Add</i>	23.20	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	39.06	
<b>23 51 16 00-0161 Tees (23 51 16 00-0149)</b>		
23 51 16 00-0162 EA 4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe.....	157.25	39.12
<i>For 2" Wall Instead Of 1", Add</i>	27.60	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	46.29	
23 51 16 00-0163 EA 4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe.....	159.69	39.12
<i>For 2" Wall Instead Of 1", Add</i>	28.33	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	47.39	
23 51 16 00-0164 EA 5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe.....	183.47	44.93
<i>For 2" Wall Instead Of 1", Add</i>	32.57	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	54.48	
23 51 16 00-0165 EA 6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe.....	209.22	50.36
<i>For 2" Wall Instead Of 1", Add</i>	37.59	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	62.68	
<b>23 51 16 00-0166 Tops/Caps And Adjustable Flashing (23 51 16 00-0149)</b>		
23 51 16 00-0167 EA 4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe.....	58.74	12.69
<i>For 2" Wall Instead Of 1", Add</i>	11.25	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	18.47	
23 51 16 00-0168 EA 6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe.....	89.86	17.04
<i>For 2" Wall Instead Of 1", Add</i>	18.43	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	29.78	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0169 EA 4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	49.18	12.69
For 2" Wall Instead Of 1", Add	8.39	
For 3" To 4" Wall Instead Of 1", Add	14.17	
23 51 16 00-0170 EA 6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	80.86	17.04
For 2" Wall Instead Of 1", Add	15.73	
For 3" To 4" Wall Instead Of 1", Add	25.73	
<b>23 51 16 00-0171 Storm Collars</b> <small>(23 51 16 00-0149)</small>		
23 51 16 00-0172 EA 4" Oval Galvanized Storm Collar, Double Wall .....	35.17	12.69
For 2" Wall Instead Of 1", Add	4.21	
For 3" To 4" Wall Instead Of 1", Add	7.90	
23 51 16 00-0173 EA 5" Oval Galvanized Storm Collar, Double Wall .....	41.30	14.80
For 2" Wall Instead Of 1", Add	4.99	
For 3" To 4" Wall Instead Of 1", Add	9.33	
23 51 16 00-0174 EA 6" Oval Galvanized Storm Collar, Double Wall .....	47.45	16.91
For 2" Wall Instead Of 1", Add	5.78	
For 3" To 4" Wall Instead Of 1", Add	10.78	
<b>23 51 16 00-0175 Round Double Wall Flue/Vent Pipe And Fittings</b> <small>(23 51 16)</small>		
Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
<b>23 51 16 00-0176 Round Double Wall Flue/Vent Pipe</b> <small>(23 51 16 00-0175)</small>		
Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0177 LF 8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	112.02	14.14
For 3" Insulated Wall Instead Of 1" Thickness, Add	15.34	
For 316 Stainless Steel, Add	12.28	
For 2" Insulated Wall Instead Of 1" Thickness, Add	7.67	
23 51 16 00-0178 LF 8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	134.36	16.26
For 3" Insulated Wall Instead Of 1" Thickness, Add	18.73	
For 316 Stainless Steel, Add	14.98	
For 2" Insulated Wall Instead Of 1" Thickness, Add	9.36	
23 51 16 00-0179 LF 10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	148.91	17.58
For 3" Insulated Wall Instead Of 1" Thickness, Add	20.98	
For 316 Stainless Steel, Add	16.79	
For 2" Insulated Wall Instead Of 1" Thickness, Add	10.49	
23 51 16 00-0180 LF 12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	167.63	19.17
For 3" Insulated Wall Instead Of 1" Thickness, Add	23.92	
For 316 Stainless Steel, Add	19.13	
For 2" Insulated Wall Instead Of 1" Thickness, Add	11.96	
23 51 16 00-0181 LF 14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	188.00	20.09
For 3" Insulated Wall Instead Of 1" Thickness, Add	27.53	
For 316 Stainless Steel, Add	22.02	
For 2" Insulated Wall Instead Of 1" Thickness, Add	13.76	
23 51 16 00-0182 LF 16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	198.50	21.15
For 3" Insulated Wall Instead Of 1" Thickness, Add	29.11	
For 316 Stainless Steel, Add	23.29	
For 2" Insulated Wall Instead Of 1" Thickness, Add	14.55	
23 51 16 00-0183 LF 18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	219.30	22.34
For 3" Insulated Wall Instead Of 1" Thickness, Add	32.72	
For 316 Stainless Steel, Add	26.17	
For 2" Insulated Wall Instead Of 1" Thickness, Add	16.36	
23 51 16 00-0184 LF 20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	275.43	35.28
For 3" Insulated Wall Instead Of 1" Thickness, Add	37.46	
For 316 Stainless Steel, Add	29.96	
For 2" Insulated Wall Instead Of 1" Thickness, Add	18.73	
23 51 16 00-0185 LF 24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	340.58	39.65
For 3" Insulated Wall Instead Of 1" Thickness, Add	48.29	
For 316 Stainless Steel, Add	38.63	
For 2" Insulated Wall Instead Of 1" Thickness, Add	24.14	
23 51 16 00-0186 LF 28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	383.22	42.29
For 3" Insulated Wall Instead Of 1" Thickness, Add	55.51	
For 316 Stainless Steel, Add	44.41	
For 2" Insulated Wall Instead Of 1" Thickness, Add	27.75	
23 51 16 00-0187 LF 32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	428.74	46.92
For 3" Insulated Wall Instead Of 1" Thickness, Add	62.28	
For 316 Stainless Steel, Add	49.82	
For 2" Insulated Wall Instead Of 1" Thickness, Add	31.14	
23 51 16 00-0188 LF 36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	476.46	50.75
For 3" Insulated Wall Instead Of 1" Thickness, Add	69.95	
For 316 Stainless Steel, Add	55.96	
For 2" Insulated Wall Instead Of 1" Thickness, Add	34.98	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0189 LF 42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	543.89	57.75
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	79.88	
<i>For 316 Stainless Steel, Add</i>	63.90	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	39.94	
23 51 16 00-0190 LF 48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	636.53	66.87
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	93.87	
<i>For 316 Stainless Steel, Add</i>	75.09	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	46.93	
<b>23 51 16 00-0191 90 Degree Elbows</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0192 EA 6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	508.46	29.21
<i>For 316 Stainless Steel, Add</i>	87.10	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	87.10	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	43.55	
23 51 16 00-0193 EA 8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	561.88	32.51
<i>For 316 Stainless Steel, Add</i>	96.12	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	96.12	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	48.06	
23 51 16 00-0194 EA 10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	638.77	35.28
<i>For 316 Stainless Steel, Add</i>	110.11	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	110.11	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	55.06	
23 51 16 00-0195 EA 12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	721.11	38.45
<i>For 316 Stainless Steel, Add</i>	125.01	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	125.01	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	62.50	
23 51 16 00-0196 EA 14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	834.05	40.31
<i>For 316 Stainless Steel, Add</i>	146.67	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	146.67	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	73.33	
23 51 16 00-0197 EA 16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	918.02	42.29
<i>For 316 Stainless Steel, Add</i>	162.46	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	162.46	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	81.23	
23 51 16 00-0198 EA 18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,058.96	44.54
<i>For 316 Stainless Steel, Add</i>	189.54	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	189.54	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	94.77	
23 51 16 00-0199 EA 20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,236.75	70.44
<i>For 316 Stainless Steel, Add</i>	212.11	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	212.11	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	106.05	
23 51 16 00-0200 EA 24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,518.25	79.29
<i>For 316 Stainless Steel, Add</i>	264.00	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	264.00	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	132.00	
23 51 16 00-0201 EA 28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,836.09	84.58
<i>For 316 Stainless Steel, Add</i>	324.93	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	324.93	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	162.46	
23 51 16 00-0202 EA 32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,415.21	90.53
<i>For 316 Stainless Steel, Add</i>	437.75	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	437.75	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	218.87	
23 51 16 00-0203 EA 36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,746.39	105.72
<i>For 316 Stainless Steel, Add</i>	496.42	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	496.42	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	248.21	
23 51 16 00-0204 EA 42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	4,011.39	115.37
<i>For 316 Stainless Steel, Add</i>	744.62	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	744.62	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	372.31	
23 51 16 00-0205 EA 48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	4,999.28	126.87
<i>For 316 Stainless Steel, Add</i>	936.42	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	936.42	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	468.21	
<b>23 51 16 00-0206 45 Degree Elbows</b> <small>(23 51 16 00-0175)</small>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0207	EA		6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	343.47	28.15
			<i>For 316 Stainless Steel, Add</i>	54.61	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	54.61	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	27.30	
23 51 16 00-0208	EA		8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	392.65	32.51
			<i>For 316 Stainless Steel, Add</i>	62.28	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	62.28	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	31.14	
23 51 16 00-0209	EA		10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	435.65	35.28
			<i>For 316 Stainless Steel, Add</i>	69.50	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	69.50	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	34.75	
23 51 16 00-0210	EA		12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	495.48	38.45
			<i>For 316 Stainless Steel, Add</i>	79.88	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	79.88	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	39.94	
23 51 16 00-0211	EA		14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	556.51	40.31
			<i>For 316 Stainless Steel, Add</i>	91.16	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	91.16	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	45.58	
23 51 16 00-0212	EA		16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	622.42	42.29
			<i>For 316 Stainless Steel, Add</i>	103.34	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	103.34	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	51.67	
23 51 16 00-0213	EA		18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	695.68	44.54
			<i>For 316 Stainless Steel, Add</i>	116.88	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	116.88	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	58.44	
23 51 16 00-0214	EA		20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	844.14	70.44
			<i>For 316 Stainless Steel, Add</i>	133.58	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	133.58	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	66.79	
23 51 16 00-0215	EA		24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,055.70	79.29
			<i>For 316 Stainless Steel, Add</i>	171.49	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	171.49	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	85.75	
23 51 16 00-0216	EA		28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,181.72	84.58
			<i>For 316 Stainless Steel, Add</i>	194.05	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	194.05	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	97.03	
23 51 16 00-0217	EA		32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,523.92	90.53
			<i>For 316 Stainless Steel, Add</i>	259.49	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	259.49	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	129.75	
23 51 16 00-0218	EA		36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,013.05	105.72
			<i>For 316 Stainless Steel, Add</i>	349.75	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	349.75	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	174.87	
23 51 16 00-0219	EA		42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,657.53	115.37
			<i>For 316 Stainless Steel, Add</i>	473.85	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	473.85	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	236.93	
23 51 16 00-0220	EA		48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	3,532.62	126.87
			<i>For 316 Stainless Steel, Add</i>	643.08	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	643.08	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	321.54	
<b>23 51 16 00-0221</b>			<b>Tees</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0222	EA		6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	374.77	35.28
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	57.31	
			<i>For 316 Stainless Steel, Add</i>	63.05	
			<i>For Tee Cap, Add</i>	88.18	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	28.66	
23 51 16 00-0223	EA		8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	425.52	38.45
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	65.89	
			<i>For 316 Stainless Steel, Add</i>	72.48	
			<i>For Tee Cap, Add</i>	99.52	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	32.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0224 EA 10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	486.53	40.31
For 3" Insulated Wall Instead Of 1" Thickness, Add	77.17	
For 316 Stainless Steel, Add	84.89	
For Tee Cap, Add	112.41	
For 2" Insulated Wall Instead Of 1" Thickness, Add	38.59	
23 51 16 00-0225 EA 12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	556.98	42.29
For 3" Insulated Wall Instead Of 1" Thickness, Add	90.26	
For 316 Stainless Steel, Add	99.28	
For Tee Cap, Add	127.25	
For 2" Insulated Wall Instead Of 1" Thickness, Add	45.13	
23 51 16 00-0226 EA 14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	649.99	47.05
For 3" Insulated Wall Instead Of 1" Thickness, Add	106.50	
For 316 Stainless Steel, Add	117.15	
For Tee Cap, Add	147.62	
For 2" Insulated Wall Instead Of 1" Thickness, Add	53.25	
23 51 16 00-0227 EA 16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	730.03	52.86
For 3" Insulated Wall Instead Of 1" Thickness, Add	119.59	
For 316 Stainless Steel, Add	131.55	
For Tee Cap, Add	165.82	
For 2" Insulated Wall Instead Of 1" Thickness, Add	59.80	
23 51 16 00-0228 EA 18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	850.41	60.40
For 3" Insulated Wall Instead Of 1" Thickness, Add	139.90	
For 316 Stainless Steel, Add	153.89	
For Tee Cap, Add	192.72	
For 2" Insulated Wall Instead Of 1" Thickness, Add	69.95	
23 51 16 00-0229 EA 20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	976.31	74.66
For 3" Insulated Wall Instead Of 1" Thickness, Add	157.95	
For 316 Stainless Steel, Add	173.75	
For Tee Cap, Add	223.25	
For 2" Insulated Wall Instead Of 1" Thickness, Add	78.98	
23 51 16 00-0230 EA 24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,245.86	105.72
For 3" Insulated Wall Instead Of 1" Thickness, Add	196.31	
For 316 Stainless Steel, Add	215.94	
For Tee Cap, Add	288.82	
For 2" Insulated Wall Instead Of 1" Thickness, Add	98.16	
23 51 16 00-0231 EA 28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,506.75	115.37
For 3" Insulated Wall Instead Of 1" Thickness, Add	243.70	
For 316 Stainless Steel, Add	268.07	
For Tee Cap, Add	344.59	
For 2" Insulated Wall Instead Of 1" Thickness, Add	121.85	
23 51 16 00-0232 EA 32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,986.93	126.87
For 3" Insulated Wall Instead Of 1" Thickness, Add	333.95	
For 316 Stainless Steel, Add	367.35	
For Tee Cap, Add	444.96	
For 2" Insulated Wall Instead Of 1" Thickness, Add	166.98	
23 51 16 00-0233 EA 36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,214.16	141.01
For 3" Insulated Wall Instead Of 1" Thickness, Add	372.31	
For 316 Stainless Steel, Add	409.54	
For Tee Cap, Add	495.72	
For 2" Insulated Wall Instead Of 1" Thickness, Add	186.16	
23 51 16 00-0234 EA 42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	3,518.41	211.45
For 3" Insulated Wall Instead Of 1" Thickness, Add	597.96	
For 316 Stainless Steel, Add	657.75	
For Tee Cap, Add	782.98	
For 2" Insulated Wall Instead Of 1" Thickness, Add	298.98	
23 51 16 00-0235 EA 48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	4,413.92	253.74
For 3" Insulated Wall Instead Of 1" Thickness, Add	755.91	
For 316 Stainless Steel, Add	831.50	
For Tee Cap, Add	977.94	
For 2" Insulated Wall Instead Of 1" Thickness, Add	377.95	
<b>23 51 16 00-0236 Bellows</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0237 EA 6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	688.70	28.15
For 3" Insulated Wall Instead Of 1" Thickness, Add	123.65	
For 2" Insulated Wall Instead Of 1" Thickness, Add	61.83	
23 51 16 00-0238 EA 8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	751.42	32.51
For 3" Insulated Wall Instead Of 1" Thickness, Add	134.03	
For 2" Insulated Wall Instead Of 1" Thickness, Add	67.02	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 51 16 00-0239	EA	10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	821.54	35.28
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	146.67	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	73.33	
23 51 16 00-0240	EA	12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	908.40	38.45
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	162.46	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	81.23	
23 51 16 00-0241	EA	14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,014.57	40.31
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	182.77	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	91.39	
23 51 16 00-0242	EA	16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,121.10	42.29
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	203.08	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	101.54	
23 51 16 00-0243	EA	18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,250.76	44.54
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	227.90	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	113.95	
23 51 16 00-0244	EA	20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,462.37	70.44
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	257.23	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	128.62	
23 51 16 00-0245	EA	24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,800.33	79.29
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	320.41	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	160.21	
23 51 16 00-0246	EA	28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,016.63	84.58
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	361.03	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	180.52	
23 51 16 00-0247	EA	32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,302.53	90.66
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	415.18	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	207.59	
23 51 16 00-0248	EA	36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,633.60	105.72
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	473.85	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	236.93	
23 51 16 00-0249	EA	42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	3,334.48	115.37
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	609.24	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	304.62	
23 51 16 00-0250	EA	48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	4,040.32	126.87
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	744.62	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	372.31	
<b>23 51 16 00-0251</b>		<b>Ventilated Roof Thimbles</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0252	EA	6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	464.91	32.51
		<i>For 316 Stainless Steel, Add</i>	38.36	
23 51 16 00-0253	EA	8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	506.76	38.45
		<i>For 316 Stainless Steel, Add</i>	41.07	
23 51 16 00-0254	EA	10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	554.71	42.29
		<i>For 316 Stainless Steel, Add</i>	44.90	
23 51 16 00-0255	EA	12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	600.42	47.05
		<i>For 316 Stainless Steel, Add</i>	48.29	
23 51 16 00-0256	EA	14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	758.48	49.82
		<i>For 316 Stainless Steel, Add</i>	63.41	
23 51 16 00-0257	EA	16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	682.70	52.86
		<i>For 316 Stainless Steel, Add</i>	55.06	
23 51 16 00-0258	EA	18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	734.47	56.43
		<i>For 316 Stainless Steel, Add</i>	59.34	
23 51 16 00-0259	EA	20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	834.58	79.29
		<i>For 316 Stainless Steel, Add</i>	63.63	
23 51 16 00-0260	EA	24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	937.09	90.53
		<i>For 316 Stainless Steel, Add</i>	71.08	
23 51 16 00-0261	EA	28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,067.43	97.53
		<i>For 316 Stainless Steel, Add</i>	82.36	
23 51 16 00-0262	EA	32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,189.29	105.59
		<i>For 316 Stainless Steel, Add</i>	92.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0263 EA 36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,332.38	126.74
<i>For 316 Stainless Steel, Add</i>	101.54	
23 51 16 00-0264 EA 42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,694.84	140.88
<i>For 316 Stainless Steel, Add</i>	134.26	
23 51 16 00-0265 EA 48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,088.53	158.45
<i>For 316 Stainless Steel, Add</i>	169.23	
<b>23 51 16 00-0266 Exit Cones</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0267 EA 6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	319.05	18.37
23 51 16 00-0268 EA 8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	336.93	20.09
23 51 16 00-0269 EA 10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	361.98	21.15
23 51 16 00-0270 EA 12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	378.31	22.21
23 51 16 00-0271 EA 14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	415.90	22.86
23 51 16 00-0272 EA 16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	453.51	23.39
23 51 16 00-0273 EA 18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	547.76	24.19
23 51 16 00-0274 EA 20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	693.19	45.33
23 51 16 00-0275 EA 24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	866.59	48.77
23 51 16 00-0276 EA 28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,029.46	50.75
23 51 16 00-0277 EA 32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,260.39	52.86
23 51 16 00-0278 EA 36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,430.39	57.75
23 51 16 00-0279 EA 42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,798.28	60.40
23 51 16 00-0280 EA 48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,290.93	63.44
<b>23 51 16 00-0281 Vent Top Caps</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0282 EA 6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	348.27	18.37
23 51 16 00-0283 EA 8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	402.36	20.09
23 51 16 00-0284 EA 10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	465.75	21.15
23 51 16 00-0285 EA 12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	533.97	22.21
23 51 16 00-0286 EA 14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	621.18	22.86
23 51 16 00-0287 EA 16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	704.05	23.52
23 51 16 00-0288 EA 18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	782.47	24.19
23 51 16 00-0289 EA 20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	948.05	45.33
23 51 16 00-0290 EA 24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,126.08	48.77
23 51 16 00-0291 EA 28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,221.17	50.75
23 51 16 00-0292 EA 32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,384.40	52.86
23 51 16 00-0293 EA 36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,610.75	57.62
23 51 16 00-0294 EA 42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,956.14	60.40
23 51 16 00-0295 EA 48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,268.27	63.44
<b>23 51 16 00-0296 Roof Support Assemblies</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0297 EA 6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	528.99	33.84
<i>For 316 Stainless Steel, Add</i>	88.90	
23 51 16 00-0298 EA 8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	585.84	40.31
<i>For 316 Stainless Steel, Add</i>	97.03	
23 51 16 00-0299 EA 10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	643.72	44.54
<i>For 316 Stainless Steel, Add</i>	106.50	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0300	EA		12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	688.41	49.69
			<i>For 316 Stainless Steel, Add</i> .....	112.82	
23 51 16 00-0301	EA		14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	766.21	52.86
			<i>For 316 Stainless Steel, Add</i> .....	126.81	
23 51 16 00-0302	EA		16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	813.41	56.43
			<i>For 316 Stainless Steel, Add</i> .....	134.48	
23 51 16 00-0303	EA		18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	873.23	60.53
			<i>For 316 Stainless Steel, Add</i> .....	144.41	
23 51 16 00-0304	EA		20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	978.64	84.58
			<i>For 316 Stainless Steel, Add</i> .....	153.44	
23 51 16 00-0305	EA		24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,101.46	97.66
			<i>For 316 Stainless Steel, Add</i> .....	171.49	
23 51 16 00-0306	EA		28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,268.43	105.72
			<i>For 316 Stainless Steel, Add</i> .....	200.82	
23 51 16 00-0307	EA		32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,506.77	115.37
			<i>For 316 Stainless Steel, Add</i> .....	243.70	
23 51 16 00-0308	EA		36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,751.59	141.01
			<i>For 316 Stainless Steel, Add</i> .....	279.80	
23 51 16 00-0309	EA		42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,585.18	158.58
			<i>For 316 Stainless Steel, Add</i> .....	437.75	
23 51 16 00-0310	EA		48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	3,158.47	180.26
			<i>For 316 Stainless Steel, Add</i> .....	541.55	
23 51 16 00-0311			<b>Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings</b> <small>(23 51 16)</small> Note: With 1" insulation.		
23 51 16 00-0312			<b>Round Stainless Steel Double Wall Flue/Vent Pipe</b> <small>(23 51 16 00-0311)</small> Note: With 1" insulation.		
23 51 16 00-0313	LF		6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	98.48	14.14
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	6.32	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	12.64	
23 51 16 00-0314	LF		7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	119.01	15.06
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	8.12	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	16.25	
23 51 16 00-0315	LF		8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	135.49	16.26
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	9.48	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	18.95	
23 51 16 00-0316	LF		10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	181.58	17.58
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	13.76	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	27.53	
23 51 16 00-0317	LF		12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	233.13	19.30
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	18.50	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	37.01	
23 51 16 00-0318	LF		14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	294.17	20.22
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	24.37	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	48.74	
23 51 16 00-0319			<b>90 Degree Elbows</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0320	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	211.52	28.15
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	14.10	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	28.21	
23 51 16 00-0321	EA		7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	233.41	30.13
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	15.80	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	31.59	
23 51 16 00-0322	EA		8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	261.83	32.51
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	18.05	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	36.10	
23 51 16 00-0323	EA		10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	322.83	35.28
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	23.47	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	46.93	
23 51 16 00-0324	EA		12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	382.67	38.45
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	28.66	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	57.31	
23 51 16 00-0325	EA		14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	443.62	40.31
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	34.30	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	68.60	
23 51 16 00-0326			<b>45 Degree Elbows</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0327	EA		6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	176.27	28.15
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	10.58	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	21.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0328 EA 7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	193.91 11.85 23.69	30.13
23 51 16 00-0329 EA 8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	216.71 13.54 27.08	32.51
23 51 16 00-0330 EA 10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	264.15 17.60 35.20	35.28
23 51 16 00-0331 EA 12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	311.00 21.49 42.99	38.45
23 51 16 00-0332 EA 14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	357.93 25.72 51.45	40.31
<b>23 51 16 00-0333 Tees With Tee Caps</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0334 EA 6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	336.69 26.63 53.25	28.15
23 51 16 00-0335 EA 7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	422.95 34.75 69.50	30.13
23 51 16 00-0336 EA 8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	473.89 39.26 78.52	32.51
23 51 16 00-0337 EA 10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	640.89 55.28 110.57	35.28
23 51 16 00-0338 EA 12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	874.51 77.85 155.69	38.45
23 51 16 00-0339 EA 14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	1,116.01 101.54 203.08	40.31
<b>23 51 16 00-0340 Joist Shields</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0341 EA 6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	151.67	28.15
23 51 16 00-0342 EA 7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	163.46	30.13
23 51 16 00-0343 EA 8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	189.58	32.51
23 51 16 00-0344 EA 10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	233.74	35.28
23 51 16 00-0345 EA 12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	277.72	38.45
23 51 16 00-0346 EA 14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	326.28	40.31
<b>23 51 16 00-0347 Adjustable Roof Flashing</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0348 EA 6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	177.62	28.15
23 51 16 00-0349 EA 7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	197.30	30.13
23 51 16 00-0350 EA 8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	214.39	32.51
23 51 16 00-0351 EA 10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	258.53	35.28
23 51 16 00-0352 EA 12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	316.16	38.45
23 51 16 00-0353 EA 14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	375.89	40.17
<b>23 51 16 00-0354 Vent Top Caps</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0355 EA 6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	160.70	28.15
23 51 16 00-0356 EA 7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	198.43	30.13
23 51 16 00-0357 EA 8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	245.99	32.51
23 51 16 00-0358 EA 10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	383.80	35.28
23 51 16 00-0359 EA 12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	518.10	38.45
23 51 16 00-0360 EA 14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	655.75	40.31
<b>23 51 16 00-0361 Roof Support Assemblies</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0362 EA 6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	231.68	28.15
23 51 16 00-0363 EA 7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	257.09	30.13
23 51 16 00-0364 EA 8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	278.69	32.51
23 51 16 00-0365 EA 10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	347.58	35.28
23 51 16 00-0366 EA 12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	409.74	38.45
23 51 16 00-0367 EA 14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	497.80	40.31
<b>23 51 16 00-0368 Polyvinyl Chloride (PVC) Flue/Vent Accessories</b> <small>(23 51 16)</small>		
<b>23 51 16 00-0369 Concentric Polyvinyl Chloride (PVC) Vent Termination</b> <small>(23 51 16 00-0368)</small>		
23 51 16 00-0370 EA 2" Concentric Polyvinyl Chloride (PVC) Vent Termination .....	244.55	53.82
23 51 16 00-0371 EA 3" Concentric Polyvinyl Chloride (PVC) Vent Termination .....	264.11	53.82

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 51 16 00-0372	<b>Polypropylene (PP) Flue/Vent Pipe And Fittings</b> (23 51 16)			
	Note: Centrotherm InnoFlue® Vent System			
23 51 16 00-0373	<b>Polypropylene Flue/Vent Rigid Pipe Sections</b> (23 51 16 00-0372)			
	Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.			
23 51 16 00-0374	EA	2" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	48.61	16.35
23 51 16 00-0375	EA	2" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	54.86	17.20
23 51 16 00-0376	EA	2" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	62.68	19.13
23 51 16 00-0377	EA	2" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	77.46	22.50
23 51 16 00-0378	EA	3" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	58.16	18.74
23 51 16 00-0379	EA	3" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	69.34	19.73
23 51 16 00-0380	EA	3" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	84.38	21.92
23 51 16 00-0381	EA	3" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	103.96	25.79
23 51 16 00-0382	EA	4" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	94.28	24.79
23 51 16 00-0383	EA	4" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	110.39	26.09
23 51 16 00-0384	EA	4" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	136.22	29.00
23 51 16 00-0385	EA	4" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	175.46	34.11
23 51 16 00-0386	EA	5" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	139.79	36.59
23 51 16 00-0387	EA	5" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	158.85	38.51
23 51 16 00-0388	EA	5" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	204.35	42.79
23 51 16 00-0389	EA	5" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	264.05	50.36
23 51 16 00-0390	<b>Polypropylene Flue/Vent Elbows</b> (23 51 16 00-0372)			
	Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
23 51 16 00-0391	EA	2" Polypropylene Flue/Vent 15 Degree Elbow .....	59.99	19.86
23 51 16 00-0392	EA	3" Polypropylene Flue/Vent 15 Degree Elbow .....	69.47	20.91
23 51 16 00-0393	EA	4" Polypropylene Flue/Vent 15 Degree Elbow .....	85.40	21.67
23 51 16 00-0394	EA	5" Polypropylene Flue/Vent 15 Degree Elbow .....	98.38	22.56
23 51 16 00-0395	EA	2" Polypropylene Flue/Vent 30 Degree Elbow .....	59.99	19.86
23 51 16 00-0396	EA	3" Polypropylene Flue/Vent 30 Degree Elbow .....	69.47	20.91
23 51 16 00-0397	EA	4" Polypropylene Flue/Vent 30 Degree Elbow .....	85.40	21.67
23 51 16 00-0398	EA	5" Polypropylene Flue/Vent 30 Degree Elbow .....	98.38	22.56
23 51 16 00-0399	EA	2" Polypropylene Flue/Vent 45 Degree Elbow .....	59.99	19.86
23 51 16 00-0400	EA	3" Polypropylene Flue/Vent 45 Degree Elbow .....	69.47	20.91
23 51 16 00-0401	EA	4" Polypropylene Flue/Vent 45 Degree Elbow .....	85.40	21.67
23 51 16 00-0402	EA	5" Polypropylene Flue/Vent 45 Degree Elbow .....	98.38	22.56
23 51 16 00-0403	EA	2" Polypropylene Flue/Vent 87 Degree Elbow .....	59.99	19.86
23 51 16 00-0404	EA	3" Polypropylene Flue/Vent 87 Degree Elbow .....	69.47	20.91
23 51 16 00-0405	EA	4" Polypropylene Flue/Vent 87 Degree Elbow .....	84.43	21.67
23 51 16 00-0406	EA	5" Polypropylene Flue/Vent 87 Degree Elbow .....	100.78	22.56
23 51 16 00-0407	<b>Polypropylene Flue/Vent Tees</b> (23 51 16 00-0372)			
	Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
23 51 16 00-0408	EA	2" Polypropylene Flue/Vent Tee .....	176.74	29.80
23 51 16 00-0409	EA	3" Polypropylene Flue/Vent Tee .....	220.20	31.37
23 51 16 00-0410	EA	4" Polypropylene Flue/Vent Tee .....	257.08	32.51
23 51 16 00-0411	EA	5" Polypropylene Flue/Vent Tee .....	280.75	33.84
23 51 16 00-0412	<b>Polypropylene Flue/Vent Adaptors</b> (23 51 16 00-0372)			
	Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
23 51 16 00-0413	EA	2" Polypropylene Flue/Vent Adaptor With Gasket.....	69.46	19.86
23 51 16 00-0414	EA	3" Polypropylene Flue/Vent Adaptor With Gasket.....	97.05	20.91
23 51 16 00-0415	EA	4" Polypropylene Flue/Vent Adaptor With Gasket.....	112.10	21.67
23 51 16 00-0416	EA	5" Polypropylene Flue/Vent Adaptor With Gasket.....	150.58	22.56
23 51 16 00-0417	<b>Polypropylene Flue/Vent Increases</b> (23 51 16 00-0372)			
	Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
23 51 16 00-0418	EA	2" to 3" Polypropylene Flue/Vent Centric Increaser .....	76.44	20.39
23 51 16 00-0419	EA	3" to 4" Polypropylene Flue/Vent Centric Increaser .....	83.37	21.29
23 51 16 00-0420	EA	4" to 5" Polypropylene Flue/Vent Centric Increaser .....	144.63	22.11
23 51 16 00-0421	EA	2" to 3" Polypropylene Flue/Vent Eccentric Increaser .....	100.74	20.39
23 51 16 00-0422	EA	3" to 4" Polypropylene Flue/Vent Eccentric Increaser .....	81.39	21.29
23 51 16 00-0423	EA	4" to 5" Polypropylene Flue/Vent Eccentric Increaser .....	196.53	22.11
23 51 16 00-0424	<b>Polypropylene Flue/Vent Reducers</b> (23 51 16 00-0372)			
	Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
23 51 16 00-0425	EA	3" to 2" Polypropylene Flue/Vent Reducer .....	76.44	20.39
23 51 16 00-0426	EA	4" to 3" Polypropylene Flue/Vent Reducer .....	83.37	21.29
23 51 16 00-0427	EA	5" to 4" Polypropylene Flue/Vent Reducer .....	176.99	22.11
23 51 16 00-0428	<b>Polypropylene Flue/Vent Test Ports</b> (23 51 16 00-0372)			
	Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port .....	98.26	29.80
23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port .....	109.54	31.37
23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port .....	162.54	32.51





	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 51 16 00-0432 EA	5" Polypropylene Flue/Vent Test Port.....	173.27	33.84
<b>23 51 16 00-0433</b>		<b>Polypropylene Flue/Vent Cascade Components</b> <small>(23 51 16 00-0372)</small>		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
	23 51 16 00-0434 EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	261.44	32.51
	23 51 16 00-0435 EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	341.75	40.64
	23 51 16 00-0436 EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	217.39	33.84
	23 51 16 00-0437 EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	319.43	42.29
	23 51 16 00-0438 EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve.....	327.02	21.29
	23 51 16 00-0439 EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve.....	377.77	22.11
<b>23 51 16 00-0440</b>		<b>Polypropylene Flue/Vent Condensate Management</b> <small>(23 51 16 00-0372)</small>		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
	23 51 16 00-0441 EA	2" Polypropylene Flue/Vent Horizontal Drain Tee.....	131.06	29.80
	23 51 16 00-0442 EA	3" Polypropylene Flue/Vent Horizontal Drain Tee.....	156.86	31.37
	23 51 16 00-0443 EA	4" Polypropylene Flue/Vent Horizontal Drain Tee.....	178.53	32.51
	23 51 16 00-0444 EA	5" Polypropylene Flue/Vent Horizontal Drain Tee.....	202.63	33.84
	23 51 16 00-0445 EA	4" Polypropylene Flue/Vent Horizontal Drain Fittings.....	222.93	32.51
	23 51 16 00-0446 EA	5" Polypropylene Flue/Vent Horizontal Drain Fittings.....	245.11	33.84
	23 51 16 00-0447 EA	2" Polypropylene Flue/Vent Tee Cap.....	73.13	9.94
	23 51 16 00-0448 EA	3" Polypropylene Flue/Vent Tee Cap.....	93.12	10.45
	23 51 16 00-0449 EA	4" Polypropylene Flue/Vent Tee Cap.....	110.14	10.84
	23 51 16 00-0450 EA	5" Polypropylene Flue/Vent Tee Cap.....	142.89	11.27
	23 51 16 00-0451 EA	2" Polypropylene Flue/Vent Tee Cap With Drain.....	145.26	29.80
	23 51 16 00-0452 EA	3" Polypropylene Flue/Vent Tee Cap With Drain.....	176.55	31.37
	23 51 16 00-0453 EA	4" Polypropylene Flue/Vent Tee Cap With Drain.....	202.96	32.51
	23 51 16 00-0454 EA	5" Polypropylene Flue/Vent Tee Cap With Drain.....	242.77	33.84
<b>23 51 16 00-0455</b>		<b>Polypropylene Flue/Vent Terminations</b> <small>(23 51 16 00-0372)</small>		
	23 51 16 00-0456 EA	2" Polypropylene-UV Black Flue/Vent Chimney Cover.....	182.54	19.86
	23 51 16 00-0457 EA	3" Polypropylene-UV Black Flue/Vent Chimney Cover.....	162.16	20.91
	23 51 16 00-0458 EA	4" Polypropylene-UV Black Flue/Vent Chimney Cover.....	201.43	21.67
	23 51 16 00-0459 EA	3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	403.70	20.91
	23 51 16 00-0460 EA	4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	430.84	21.67
	23 51 16 00-0461 EA	5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	502.03	22.56
	23 51 16 00-0462 EA	2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	110.50	19.86
	23 51 16 00-0463 EA	2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	116.59	19.86
	23 51 16 00-0464 EA	2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	122.67	19.86
	23 51 16 00-0465 EA	2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	128.76	19.86
	23 51 16 00-0466 EA	3"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	119.21	20.91
	23 51 16 00-0467 EA	3"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	125.29	20.91
	23 51 16 00-0468 EA	3"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	131.38	20.91
	23 51 16 00-0469 EA	3"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	137.46	20.91
	23 51 16 00-0470 EA	4"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	133.28	21.67
	23 51 16 00-0471 EA	4"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	139.36	21.67
	23 51 16 00-0472 EA	4"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	145.44	21.67
	23 51 16 00-0473 EA	2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination.....	116.53	19.86
	23 51 16 00-0474 EA	3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination.....	147.80	20.91
	23 51 16 00-0475 EA	2" Polypropylene-UV Black Flue/Vent Termination Tee.....	137.66	29.80
	23 51 16 00-0476 EA	3" Polypropylene-UV Black Flue/Vent Termination Tee.....	178.69	31.37
	23 51 16 00-0477 EA	4" Polypropylene-UV Black Flue/Vent Termination Tee.....	209.76	32.51
	23 51 16 00-0478 EA	5" Polypropylene-UV Black Flue/Vent Termination Tee.....	230.46	33.84
	23 51 16 00-0479 EA	2" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	51.16	17.20
	23 51 16 00-0480 EA	2" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	60.74	19.13
	23 51 16 00-0481 EA	3" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	61.23	19.73
	23 51 16 00-0482 EA	3" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	75.62	21.92
	23 51 16 00-0483 EA	4" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	91.24	26.09
	23 51 16 00-0484 EA	5" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	126.74	38.51
	23 51 16 00-0485 EA	5" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	152.34	42.79
	23 51 16 00-0486 EA	2" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	56.04	17.20
	23 51 16 00-0487 EA	3" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	71.35	19.73
	23 51 16 00-0488 EA	4" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	114.90	26.09
	23 51 16 00-0489 EA	2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	61.93	19.86
	23 51 16 00-0490 EA	3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	71.91	20.91
	23 51 16 00-0491 EA	4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	88.52	21.67
	23 51 16 00-0492 EA	2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	61.01	19.86
	23 51 16 00-0493 EA	3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	71.30	20.91
	23 51 16 00-0494 EA	4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	87.45	21.67
	23 51 16 00-0495 EA	2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	38.86	9.94
	23 51 16 00-0496 EA	3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	44.94	10.45
	23 51 16 00-0497 EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	50.09	10.84
	23 51 16 00-0498 EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent.....	94.80	10.45
	23 51 16 00-0499 EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent.....	108.71	11.27
<b>23 51 16 00-0500</b>		<b>Polypropylene Flue/Vent Accessories</b> <small>(23 51 16 00-0372)</small>		
	23 51 16 00-0501 EA	2" Spacer For Polypropylene Flue/Vent.....	19.78	4.97
	23 51 16 00-0502 EA	3" Spacer For Polypropylene Flue/Vent.....	18.98	5.23

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 51 16 00-0503	EA	4" Spacer For Polypropylene Flue/Vent.....	19.56	5.42
23 51 16 00-0504	EA	5" Spacer For Polypropylene Flue/Vent.....	30.03	5.64
23 51 16 00-0505	EA	2" Flue Clamp For Polypropylene Flue/Vent.....	36.76	7.46
23 51 16 00-0506	EA	3" Flue Clamp For Polypropylene Flue/Vent.....	42.93	7.84
23 51 16 00-0507	EA	4" Flue Clamp For Polypropylene Flue/Vent.....	49.51	8.13
23 51 16 00-0508	EA	2" Support Clamp For Polypropylene Flue/Vent.....	35.07	7.46
23 51 16 00-0509	EA	4" Support Clamp For Polypropylene Flue/Vent.....	35.19	8.13
23 51 16 00-0510	EA	5" Support Clamp For Polypropylene Flue/Vent.....	42.47	8.46
23 51 16 00-0511	EA	3" Plastic Support Clamp For Polypropylene Flue/Vent.....	27.40	7.84
23 51 16 00-0512	EA	2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	55.79	19.86
23 51 16 00-0513	EA	3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	61.22	20.91
23 51 16 00-0514	EA	4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	65.68	21.67
23 51 16 00-0515	EA	5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	72.88	22.56
23 51 16 00-0516	EA	2" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	3.91	
23 51 16 00-0517	EA	3" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	4.37	
23 51 16 00-0518	EA	4" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	5.91	
23 51 16 00-0519	EA	5" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	9.77	
23 51 16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent.....	16.62	4.97
23 51 16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent.....	18.69	5.23
23 51 16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent.....	20.06	5.42
23 51 16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent.....	22.09	5.64
23 51 16 00-0524	EA	2 1/4" Polypropylene Flue/Vent Air Intake, White.....	79.22	9.94
23 51 16 00-0525	EA	3 1/5" Polypropylene Flue/Vent Air Intake, White.....	81.30	10.45
23 51 16 00-0526	EA	4 1/6" Polypropylene Flue/Vent Air Intake, White.....	61.26	10.84
23 51 16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent.....	68.55	7.46
23 51 16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent.....	70.74	7.84
23 51 16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent.....	94.31	8.13
23 51 16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent.....	158.35	8.46
<b>23 51 16 00-0531 Polypropylene Flue/Vent Flex Pipe (23 51 16 00-0372)</b>				
23 51 16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	12.48	1.74
23 51 16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe.....	10.86	1.74
23 51 16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	15.31	2.06
23 51 16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe.....	13.28	2.06
23 51 16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	21.96	2.54
23 51 16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe.....	18.84	2.54
<b>23 51 16 00-0538 Polypropylene Flue/Vent Couplers (23 51 16 00-0372)</b>				
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
23 51 16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex.....	89.97	19.86
23 51 16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	100.14	19.86
23 51 16 00-0541	EA	3" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	198.61	20.91
23 51 16 00-0542	EA	4" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	358.40	21.67
23 51 16 00-0543	EA	2" Polypropylene Flue/Vent Coupler, Flex to Flex.....	103.13	19.86
23 51 16 00-0544	EA	3" Polypropylene Flue/Vent Coupler, Flex to Flex.....	235.72	20.91
23 51 16 00-0545	EA	4" Polypropylene Flue/Vent Coupler, Flex to Flex.....	601.77	21.67
<b>23 51 16 00-0546 Polypropylene Flue/Vent Flex End Terminations (23 51 16 00-0372)</b>				
23 51 16 00-0547	EA	2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	116.61	19.86
23 51 16 00-0548	EA	3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	108.43	20.91
23 51 16 00-0549	EA	4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	132.95	21.67
<b>23 51 16 00-0550 Aluminum Flue/Vent Fittings (23 51 16)</b>				
<b>23 51 16 00-0551 Aluminum Vent Top Caps (23 51 16 00-0550)</b>				
23 51 16 00-0552	EA	3" Aluminum Vent Cap (Star-Kap® 3-SK).....	111.26	19.69
23 51 16 00-0553	EA	4" Aluminum Vent Cap (Star-Kap® 4-SK).....	118.25	19.30
23 51 16 00-0554	EA	5" Aluminum Vent Cap (Star-Kap® 5-SK).....	128.10	20.22
23 51 16 00-0555	EA	6" Aluminum Vent Cap (Star-Kap® 6-SK).....	177.12	21.15
23 51 16 00-0556	EA	8" Aluminum Vent Cap (Star-Kap® 8-SK).....	198.06	23.52
23 51 16 00-0557	EA	10" Aluminum Vent Cap (Star-Kap® 10-SK).....	556.04	24.84
23 51 16 00-0558	EA	12" Aluminum Vent Cap (Star-Kap® 12-SK).....	570.09	26.43
<b>23 52 Heating Boilers (23 50)</b>				
<b>23 52 13 Electric Boilers (23 52)</b>				
<b>23 52 13 00-0001 Packaged Electric Steam Boiler (23 52 13)</b>				
Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH gross rated output.				
23 52 13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls.....	7,786.08	586.19
23 52 13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls.....	8,405.52	683.89
23 52 13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls.....	9,024.07	732.74
23 52 13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls.....	10,048.78	781.59
23 52 13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls.....	11,048.73	830.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0007 EA 80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls.....	12,899.77	928.14
23 52 13 00-0008 EA 100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls.....	14,750.89	1,025.84
23 52 13 00-0009 EA 120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls.....	15,347.25	1,074.69
23 52 13 00-0010 EA 140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls.....	16,155.17	1,123.54
23 52 13 00-0011 EA 160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls.....	21,139.14	1,221.23
23 52 13 00-0012 EA 180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls.....	22,032.12	1,270.08
23 52 13 00-0013 EA 200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls.....	23,225.24	1,415.40
23 52 13 00-0014 EA 220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls.....	24,192.05	1,520.26
23 52 13 00-0015 EA 240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls.....	26,101.16	1,625.10
23 52 13 00-0016 EA 260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls.....	28,112.31	1,782.37
23 52 13 00-0017 EA 280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls.....	29,892.08	1,834.79
23 52 13 00-0018 EA 300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls.....	31,344.63	1,887.21
23 52 13 00-0019 EA 320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls.....	33,300.32	1,939.63
23 52 13 00-0020 EA 360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls.....	35,256.53	1,992.06
23 52 13 00-0021 EA 400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls.....	37,724.79	2,096.90
23 52 13 00-0022 EA 460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls.....	40,266.44	2,201.74
23 52 13 00-0023 EA 500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls.....	42,755.67	2,250.17
23 52 13 00-0024 EA 600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls.....	47,394.08	2,306.59
23 52 13 00-0025 EA 700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls.....	51,044.05	2,411.44
23 52 13 00-0026 EA 756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls.....	52,278.17	2,516.29
23 52 13 00-0027 EA 828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls.....	57,488.73	2,673.55
23 52 13 00-0028 EA 936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls.....	59,354.90	2,830.82
23 52 13 00-0029 EA 1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls.....	61,325.93	2,988.08
23 52 13 00-0030 EA 1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls.....	65,142.11	3,145.35
23 52 13 00-0031 EA 1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls.....	66,837.52	3,250.19
23 52 13 00-0032 EA 1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls.....	69,063.13	3,459.89
23 52 13 00-0033 EA 1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls.....	71,426.54	3,669.58
23 52 13 00-0034 EA 1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls.....	78,031.47	3,879.27
23 52 13 00-0035 EA 1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls.....	82,267.03	4,088.96

**23 52 13 00-0036**

**Packaged Electric Hot Water Boiler** (23 52 13)

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH gross rated output.

23 52 13 00-0037 EA 9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls.....	6,834.03	537.34
23 52 13 00-0038 EA 12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls.....	7,199.87	586.19
23 52 13 00-0039 EA 18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls.....	7,565.71	635.04
23 52 13 00-0040 EA 24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls.....	7,920.09	683.89
23 52 13 00-0041 EA 36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls.....	8,328.75	732.74
23 52 13 00-0042 EA 48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls.....	8,630.57	781.59
23 52 13 00-0043 EA 60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls.....	8,996.41	830.44
23 52 13 00-0044 EA 72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls.....	9,545.17	879.29
23 52 13 00-0045 EA 84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls.....	10,024.60	928.14
23 52 13 00-0046 EA 90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls.....	10,317.27	976.99
23 52 13 00-0047 EA 105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls.....	11,079.21	1,025.84
23 52 13 00-0048 EA 120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls.....	11,797.07	1,074.69
23 52 13 00-0049 EA 135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls.....	13,095.51	1,123.54
23 52 13 00-0050 EA 150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls.....	13,942.32	1,172.39
23 52 13 00-0051 EA 165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls.....	14,654.51	1,221.23
23 52 13 00-0052 EA 180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls.....	15,910.63	1,270.08
23 52 13 00-0053 EA 195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls.....	17,468.89	1,415.40
23 52 13 00-0054 EA 225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls.....	18,781.01	1,520.26
23 52 13 00-0055 EA 240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls.....	20,207.12	1,625.10
23 52 13 00-0056 EA 270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls.....	21,624.07	1,782.37
23 52 13 00-0057 EA 300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls.....	23,050.18	1,887.21
23 52 13 00-0058 EA 330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls.....	24,377.48	1,992.06
23 52 13 00-0059 EA 360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls.....	26,228.99	2,044.48
23 52 13 00-0060 EA 390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls.....	27,952.00	2,096.90
23 52 13 00-0061 EA 420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls.....	29,601.85	2,201.74
23 52 13 00-0062 EA 450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls.....	31,334.78	2,201.74
23 52 13 00-0063 EA 504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls.....	34,331.39	2,254.17
23 52 13 00-0064 EA 612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls.....	35,926.42	2,306.59
23 52 13 00-0065 EA 684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls.....	37,929.19	2,411.44
23 52 13 00-0066 EA 720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls.....	39,451.66	2,463.86
23 52 13 00-0067 EA 750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls.....	40,979.49	2,516.29
23 52 13 00-0068 EA 810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls.....	42,120.55	2,673.55
23 52 13 00-0069 EA 900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls.....	44,188.28	2,830.82
23 52 13 00-0070 EA 1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls.....	51,441.96	2,988.08
23 52 13 00-0071 EA 1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls.....	56,445.58	3,145.35
23 52 13 00-0072 EA 1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls.....	58,643.78	3,250.19
23 52 13 00-0073 EA 1,350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls.....	61,087.54	3,459.89
23 52 13 00-0074 EA 1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls.....	63,531.31	3,669.58
23 52 13 00-0075 EA 1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls.....	70,430.96	3,879.27
23 52 13 00-0076 EA 1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls.....	74,874.59	4,088.96
23 52 13 00-0077 EA 1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls.....	76,769.59	4,193.80
23 52 13 00-0078 EA 1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls.....	78,664.60	4,298.65
23 52 13 00-0079 EA 1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls.....	79,083.99	4,455.92
23 52 13 00-0080 EA 2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls.....	84,912.89	4,560.76
23 52 13 00-0081 EA 2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls.....	88,807.75	4,718.03
23 52 13 00-0082 EA 2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls.....	95,343.80	5,032.56

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0083	EA		2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls .....	102,732.00	5,556.79
23 52 13 00-0084	EA		3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls .....	111,219.95	6,185.87
23 52 13 00-0085	EA		3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls .....	117,756.00	6,814.93
<b>23 52 16 Condensing Boilers (23 52)</b>					
<b>23 52 16 13 Stainless-Steel Condensing Boilers (23 52 16)</b>					
<b>23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers (23 52 16 13)</b>					
Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code). Rated by gross rated output.					
23 52 16 13-0002	EA		75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79) .....	12,560.80	390.80
23 52 16 13-0003	EA		127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129) .....	13,234.16	520.54
23 52 16 13-0004	EA		168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179) .....	14,100.23	586.10
23 52 16 13-0005	EA		187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1) .....	14,948.17	618.73
23 52 16 13-0006	EA		281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299) .....	19,773.57	716.43
23 52 16 13-0007	EA		374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399) .....	22,908.23	781.50
23 52 16 13-0008	EA		589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599) .....	31,009.30	911.73
23 52 16 13-0009	EA		785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798) .....	43,204.22	1,042.06
Note: Includes vent manifold.					
23 52 16 13-0010	EA		980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998) .....	52,893.21	1,139.75
Note: Includes vent manifold.					
23 52 16 13-0011	EA		1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499) .....	76,499.80	1,335.06
23 52 16 13-0012	EA		1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999) .....	84,319.68	1,432.76
<b>23 52 16 13-0013 Buderus SB615 Stainless Steel Condensing Boilers (23 52 16 13)</b>					
Note: Includes Riello burners. Rated by gross rated output.					
23 52 16 13-0014	EA		484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145).....	37,909.48	846.66
23 52 16 13-0015	EA		612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185).....	39,785.62	911.73
23 52 16 13-0016	EA		791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240).....	44,199.63	1,042.06
23 52 16 13-0017	EA		1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310).....	47,951.90	1,172.29
23 52 16 13-0018	EA		1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400).....	53,473.95	1,269.99
23 52 16 13-0019	EA		1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510).....	61,133.32	1,335.06
23 52 16 13-0020	EA		2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640).....	72,864.41	1,432.76
<b>23 52 16 13-0021 Buderus SB735 Stainless Steel Condensing Boilers (23 52 16 13)</b>					
Note: Includes Riello burners. Rated by gross rated output.					
23 52 16 13-0022	EA		2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790).....	78,738.44	1,562.99
23 52 16 13-0023	EA		3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970).....	91,275.32	1,628.16
23 52 16 13-0024	EA		4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200).....	105,859.85	1,693.32
<b>23 52 16 13-0025 Lochinvar Knight Stainless Steel Condensing Boilers (23 52 16 13)</b>					
Note: Rated by gross rated output.					
23 52 16 13-0026	EA		165 MBH 95.7% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211) .....	12,746.85	586.10
23 52 16 13-0027	EA		226 MBH 96% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN286) .....	16,805.15	651.26
<b>23 52 16 13-0028 Lochinvar Knight XL Stainless Steel Condensing Boilers (23 52 16 13)</b>					
Note: Rated by gross rated output.					
23 52 16 13-0029	EA		324 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN400) .....	22,550.67	748.96
23 52 16 13-0030	EA		406 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN501) .....	27,902.32	781.50
23 52 16 13-0031	EA		493 MBH 94.6% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN601) .....	32,874.64	846.66
23 52 16 13-0032	EA		574 MBH 94.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN701) .....	37,957.75	879.20
23 52 16 13-0033	EA		654 MBH 94% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN801) .....	43,627.26	944.36
<b>23 52 16 13-0034 Lochinvar SYNC Stainless Steel Condensing Boilers (23 52 16 13)</b>					
Note: Rated by gross rated output.					
23 52 16 13-0035	EA		941 MBH 94.1% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1000) .....	59,970.30	1,139.75
23 52 16 13-0036	EA		1,240 MBH 95.4% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1300) .....	68,377.82	1,237.36
23 52 16 13-0037	EA		1,443 MBH 96.2% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1500) .....	73,427.83	1,335.06
<b>23 52 16 13-0038 Lochinvar Crest Stainless Steel Condensing Boilers (23 52 16 13)</b>					
Note: Rated by gross rated output.					
23 52 16 13-0039	EA		1,380 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1500) .....	73,028.94	1,269.99
23 52 16 13-0040	EA		1,840 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2000) .....	87,694.76	1,432.76
23 52 16 13-0041	EA		2,300 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2500) .....	114,576.87	1,497.92
23 52 16 13-0042	EA		2,760 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3000) .....	126,447.72	1,562.99



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0043	EA			3,220 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3500).....	150,827.96	1,628.16
<b>23 52 16 13-0044 Laars Neotherm Stainless Steel Condensing Boiler (23 52 16 13)</b>						
Note: Compliant with SCAQMD. Rated by gross rated input.						
23 52 16 13-0045	EA			80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080).....	7,052.04	423.33
23 52 16 13-0046	EA			105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105).....	8,050.87	488.49
23 52 16 13-0047	EA			150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150).....	9,026.46	586.10
23 52 16 13-0048	EA			210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210).....	10,052.44	651.26
23 52 16 13-0049	EA			285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285).....	12,631.08	716.43
23 52 16 13-0050	EA			399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399).....	16,478.68	781.50
23 52 16 13-0051	EA			500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500).....	19,783.54	846.66
23 52 16 13-0052	EA			600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600).....	21,957.68	911.73
23 52 16 13-0053	EA			750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750).....	23,849.14	976.90
23 52 16 13-0054	EA			850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850).....	25,936.01	1,107.12
23 52 16 13-0055	EA			1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000).....	36,847.69	1,172.29
23 52 16 13-0056	EA			1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700).....	48,957.08	1,367.69
23 52 16 13-0057	EA			150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150).....	16,310.03	586.10
23 52 16 13-0058	EA			199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199).....	18,921.37	781.59
23 52 16 13-0059	EA			285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285).....	24,775.65	879.29
23 52 16 13-0060	EA			399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399).....	31,113.98	1,074.69
23 52 16 13-0061	EA			500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500).....	36,766.48	1,172.39
23 52 16 13-0062	EA			600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600).....	41,579.43	1,270.08
23 52 16 13-0063	EA			750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750).....	49,921.61	1,367.78
23 52 16 13-0064	EA			850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850).....	55,329.22	1,465.48
23 52 16 13-0065	EA			1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000).....	72,787.16	1,563.19
23 52 16 13-0066	EA			1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700).....	97,847.64	2,051.68
<b>23 52 16 13-0067 AERCO Benchmark Stainless-Steel Condensing Boilers (23 52 16 13)</b>						
Note: Rated by gross rated output.						
23 52 16 13-0068	EA			1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN).....	60,635.08	1,335.06
Note: Includes gas PRV and pump delay relay.						
23 52 16 13-0069	EA			2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN).....	72,158.67	1,432.76
Note: Includes gas PRV and pump delay relay.						
23 52 16 13-0070	EA			3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	104,378.28	1,595.62
Note: Includes gas PRV and pump delay relay.						
23 52 16 13-0071	EA			3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	111,353.31	1,595.62
Note: Includes gas PRV and pump delay relay.						
<b>23 52 16 16 Aluminum Condensing Boilers (23 52 16)</b>						
<b>23 52 16 16-0001 Weil McLain Aluminum Condensing Boilers (23 52 16 16)</b>						
Note: Rated by gross rated output.						
23 52 16 16-0002	EA			80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	8,319.40	423.33
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.						
23 52 16 16-0003	EA			105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	9,156.62	488.49
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.						
23 52 16 16-0004	EA			155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	10,305.49	586.10
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.						
23 52 16 16-0005	EA			230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	11,570.59	651.26
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.						
23 52 16 16-0006	EA			310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	15,072.78	748.96
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.						
<b>23 52 16 16-0007 Patterson Kelley Mach Series Aluminum Condensing Boilers (23 52 16 16)</b>						
Note: Rated by gross rated output.						
23 52 16 16-0008	EA			300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach CM300).....	16,069.04	716.43
23 52 16 16-0009	EA			450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C450).....	18,071.85	814.13
23 52 16 16-0010	EA			750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C750).....	20,489.79	976.90
23 52 16 16-0011	EA			900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C900).....	30,279.32	1,107.12
23 52 16 16-0012	EA			1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1050).....	31,634.19	1,172.29
23 52 16 16-0013	EA			1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1500).....	48,970.23	1,335.06
23 52 16 16-0014	EA			2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2000).....	53,025.50	1,432.76
23 52 16 16-0015	EA			2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2500).....	72,896.17	1,562.99
23 52 16 16-0016	EA			3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C3000).....	84,662.61	1,595.62
23 52 16 16-0017	EA			4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C4000).....	96,357.00	1,693.32
<b>23 52 16 16-0018 Buderus GB142 Wall Hung Aluminum Condensing Boilers (23 52 16 16)</b>						
Note: Includes standard controls. Rated by gross rated output.						
23 52 16 16-0019	EA			75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24).....	6,792.77	390.80
Note: Includes an aluminum heat exchanger and three speed circulating pump.						
23 52 16 16-0020	EA			95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30).....	7,887.54	455.86
Note: Includes an aluminum heat exchanger and three speed circulating pump.						
23 52 16 16-0021	EA			143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45).....	9,077.05	553.56
Note: Includes an aluminum heat exchanger and three speed circulating pump.						
23 52 16 16-0022	EA			193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60).....	9,928.31	618.73
Note: Includes an aluminum heat exchanger and three speed circulating pump.						
23 52 16 16-0023	EA			Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46).....	319.40	97.70

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0024 EA Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3).....	422.49	97.70
23 52 16 16-0025 EA Optional GB Floor Stand For GB142 (Buderus 7098265).....	918.49	97.70
<b>23 52 16 16-0026 Buderus GB162 Wall Hung Aluminum Condensing Boilers (23 52 16 16)</b>		
Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0027 EA 290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) .....	11,212.62	716.43
Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.		
23 52 16 16-0028 EA 333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) .....	13,914.70	748.96
Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.		
23 52 16 16-0029 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2) .....	27,214.02	879.20
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0030 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2).....	25,397.08	879.20
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0031 EA 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2) .....	32,618.17	944.36
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0032 EA 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2).....	30,801.23	944.36
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0033 EA 870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3) .....	37,917.11	1,107.12
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0034 EA 999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3) .....	45,925.64	1,172.29
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0035 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4) .....	47,185.76	1,237.36
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0036 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) .....	47,913.46	1,237.36
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0037 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) .....	57,700.98	1,269.99
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0038 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) .....	58,428.67	1,269.99
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0039 EA EMS Control Module For Condensing Boiler (Buderus RC35) .....	762.58	97.70
<b>23 52 16 16-0040 Buderus GB312 Aluminum Condensing Boilers (23 52 16 16)</b>		
Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0041 EA 305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90).....	16,241.42	716.43
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0042 EA 409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120) .....	18,970.07	781.50
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0043 EA 544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160).....	23,833.54	862.88
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0044 EA 676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200).....	27,424.31	944.36
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0045 EA 810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240).....	32,856.73	1,042.06
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0046 EA 944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280).....	36,287.21	1,139.75
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0047 EA Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985).....	489.87	48.85
23 52 16 16-0048 EA Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125).....	262.04	48.85
23 52 16 16-0049 EA Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550).....	377.08	48.85
23 52 16 16-0050 EA Optional Condensate Neutralization Tank For GB312 (Buderus 63035899) .....	804.36	48.85



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 52 16 19 Copper Water-Tube Condensing Boilers (23 52 16)**

<b>23 52 16 19-0001</b>		<b>Laars Rheos+ Copper Fin Tube Condensing Boilers (23 52 16 19)</b>		
Note: Rated by gross rated output.				
23 52 16 19-0002	EA	1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	45,912.85	1,237.36
23 52 16 19-0003	EA	1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	51,781.06	1,367.69
23 52 16 19-0004	EA	2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	56,693.89	1,432.76
23 52 16 19-0005	EA	2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	61,203.99	1,497.92

**23 52 16 23 Cast Iron Condensing Boilers (23 52 16)**

<b>23 52 16 23-0001</b>		<b>Hydrotherm KN Cast Iron Condensing Boilers (23 52 16 23)</b>		
Note: Rated by gross rated output.				
23 52 16 23-0002	EA	199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2).....	16,073.53	618.73
23 52 16 23-0003	EA	399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4).....	23,587.02	781.50
23 52 16 23-0004	EA	600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6).....	38,955.05	911.73
23 52 16 23-0005	EA	1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10).....	51,144.53	1,172.29
23 52 16 23-0006	EA	1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16).....	81,331.48	1,367.69
23 52 16 23-0007	EA	1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20).....	74,499.96	1,432.76
23 52 16 23-0008	EA	2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26).....	113,309.25	1,562.99
23 52 16 23-0009	EA	3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30).....	123,984.16	1,595.62

**23 52 23 Cast-Iron Boilers (23 52)**

<b>23 52 23 00-0001</b>		<b>Weil-McLain Model 80 Cast Iron Boiler (23 52 23)</b>		
Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.				
<b>23 52 23 00-0002</b>		<b>Gas Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)</b>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.				
23 52 23 00-0003	EA	209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380).....	15,759.95	3,055.94
Note: Includes field assembly of individual sections and testing.				
23 52 23 00-0004	EA	297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480).....	17,238.16	3,259.67
Note: Includes field assembly of individual sections and testing.				
23 52 23 00-0005	EA	386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580).....	18,856.49	3,463.40
Note: Includes field assembly of individual sections and testing.				
23 52 23 00-0006	EA	476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680).....	20,361.14	3,667.12
Note: Includes field assembly of individual sections and testing.				
23 52 23 00-0007	EA	565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780).....	21,750.40	3,870.85
Note: Includes field assembly of individual sections and testing.				
23 52 23 00-0008	EA	654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880).....	23,653.79	4,074.58
Note: Includes field assembly of individual sections and testing.				
23 52 23 00-0009	EA	743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980).....	25,123.87	4,278.31
Note: Includes field assembly of individual sections and testing.				
23 52 23 00-0010	EA	833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080).....	26,290.02	4,482.04
Note: Includes field assembly of individual sections and testing.				
23 52 23 00-0011	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180).....	27,451.90	4,685.77
Note: Includes field assembly of individual sections and testing.				
23 52 23 00-0012	EA	1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280).....	28,794.21	4,889.50
Note: Includes field assembly of individual sections and testing.				
<b>23 52 23 00-0013</b>		<b>Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)</b>		
23 52 23 00-0014	EA	209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380).....	11,287.64	419.38
Note: Fire tested factory assembled package unit.				
23 52 23 00-0015	EA	297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480).....	12,552.00	419.38
Note: Fire tested factory assembled package unit.				
23 52 23 00-0016	EA	386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580).....	14,378.25	524.23
Note: Fire tested factory assembled package unit.				
23 52 23 00-0017	EA	476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680).....	15,667.44	524.23
Note: Fire tested factory assembled package unit.				
23 52 23 00-0018	EA	565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780).....	17,264.89	629.07
Note: Fire tested factory assembled package unit.				
23 52 23 00-0019	EA	654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880).....	18,969.87	629.07
Note: Fire tested factory assembled package unit.				
23 52 23 00-0020	EA	743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980).....	20,645.76	733.92
Note: Fire tested factory assembled package unit.				
23 52 23 00-0021	EA	833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080).....	22,018.31	838.76
Note: Fire tested factory assembled package unit.				
23 52 23 00-0022	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180).....	22,968.86	838.76
Note: Fire tested factory assembled package unit.				
23 52 23 00-0023	EA	1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280).....	24,515.29	943.61
Note: Fire tested factory assembled package unit.				
<b>23 52 23 00-0024</b>		<b>Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)</b>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.				
23 52 23 00-0025	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380).....	16,498.69	3,055.94
Note: Includes field assembly of individual sections and testing.				
23 52 23 00-0026	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler.....	18,108.95	3,259.67
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.				

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0027 EA 386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	19,647.53	3,463.40
23 52 23 00-0028 EA 476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	21,366.61	3,667.12
23 52 23 00-0029 EA 565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,783.32	3,870.85
23 52 23 00-0030 EA 654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	24,854.07	4,074.58
23 52 23 00-0031 EA 743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	26,154.17	4,278.31
23 52 23 00-0032 EA 833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	27,418.40	4,482.04
23 52 23 00-0033 EA 922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	28,581.58	4,685.77
23 52 23 00-0034 EA 1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	29,959.19	4,889.50
<b>23 52 23 00-0035 Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler</b> (23 52 23 00-0001)		
23 52 23 00-0036 EA 209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380)..... Note: Fire tested factory assembled package cast iron unit.	12,026.38	419.38
23 52 23 00-0037 EA 297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480)..... Note: Fire tested factory assembled package cast iron unit.	13,422.79	419.38
23 52 23 00-0038 EA 386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580)..... Note: Fire tested factory assembled package cast iron unit.	15,169.28	524.23
23 52 23 00-0039 EA 476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680)..... Note: Fire tested factory assembled package cast iron unit.	16,672.91	524.23
23 52 23 00-0040 EA 565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780)..... Note: Fire tested factory assembled package cast iron unit.	18,297.81	629.07
23 52 23 00-0041 EA 654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880)..... Note: Fire tested factory assembled package cast iron unit.	20,170.15	629.07
23 52 23 00-0042 EA 743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980)..... Note: Fire tested factory assembled package cast iron unit.	21,676.07	733.92
23 52 23 00-0043 EA 833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080)..... Note: Fire tested factory assembled package cast iron unit.	23,146.68	838.76
23 52 23 00-0044 EA 922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180)..... Note: Fire tested factory assembled package cast iron unit.	24,098.54	838.76
23 52 23 00-0045 EA 1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280)..... Note: Fire tested factory assembled package cast iron unit.	25,680.28	943.61
<b>23 52 23 00-0046 Weil-McLain Model 88 Cast Iron Boiler</b> (23 52 23)		
Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
<b>23 52 23 00-0047 Gas Fired Weil-McLain Model 88 Cast Iron Boiler</b> (23 52 23 00-0046)		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048 EA 629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488)..... Note: Includes field assembly of individual sections and testing.	25,674.95	4,583.91
23 52 23 00-0049 EA 845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588)..... Note: Includes field assembly of individual sections and testing.	28,365.14	4,864.03
23 52 23 00-0050 EA 1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688)..... Note: Includes field assembly of individual sections and testing.	31,696.08	5,144.16
23 52 23 00-0051 EA 1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788)..... Note: Includes field assembly of individual sections and testing.	34,630.41	5,424.29
23 52 23 00-0052 EA 1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888)..... Note: Includes field assembly of individual sections and testing.	37,181.13	5,704.41
23 52 23 00-0053 EA 1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988)..... Note: Includes field assembly of individual sections and testing.	40,879.66	5,984.54
23 52 23 00-0054 EA 1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088)..... Note: Includes field assembly of individual sections and testing.	43,454.43	6,264.67
23 52 23 00-0055 EA 2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188)..... Note: Includes field assembly of individual sections and testing.	45,731.74	6,544.80
23 52 23 00-0056 EA 2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288)..... Note: Includes field assembly of individual sections and testing.	48,773.56	6,824.92
23 52 23 00-0057 EA 2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388)..... Note: Includes field assembly of individual sections and testing.	51,219.28	7,105.05
23 52 23 00-0058 EA 2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488)..... Note: Includes field assembly of individual sections and testing.	55,215.27	7,385.18
23 52 23 00-0059 EA 3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588)..... Note: Includes field assembly of individual sections and testing.	57,542.13	7,665.30
23 52 23 00-0060 EA 3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688)..... Note: Includes field assembly of individual sections and testing.	60,010.43	7,945.43
23 52 23 00-0061 EA 3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788)..... Note: Includes field assembly of individual sections and testing.	62,761.23	8,225.56
23 52 23 00-0062 EA 3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888)..... Note: Includes field assembly of individual sections and testing.	64,998.52	8,505.69
<b>23 52 23 00-0063 Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler</b> (23 52 23 00-0046)		
23 52 23 00-0064 EA 629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488)..... Note: Fire tested factory assembled package unit.	20,664.06	733.92
23 52 23 00-0065 EA 845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588)..... Note: Fire tested factory assembled package unit.	23,436.94	838.76





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0066 EA 1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688).....	26,866.18	943.61
Note: Fire tested factory assembled package unit.		
23 52 23 00-0067 EA 1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788).....	29,870.48	1,048.45
Note: Fire tested factory assembled package unit.		
23 52 23 00-0068 EA 1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888).....	32,082.78	1,048.45
Note: Fire tested factory assembled package unit.		
23 52 23 00-0069 EA 1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988).....	35,867.65	1,153.29
Note: Fire tested factory assembled package unit.		
23 52 23 00-0070 EA 1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088).....	38,107.40	1,153.29
Note: Fire tested factory assembled package unit.		
23 52 23 00-0071 EA 2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188).....	40,467.12	1,258.14
Note: Fire tested factory assembled package unit.		
23 52 23 00-0072 EA 2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288).....	43,174.95	1,258.14
Note: Fire tested factory assembled package unit.		
23 52 23 00-0073 EA 2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388).....	45,703.36	1,362.98
Note: Fire tested factory assembled package unit.		
23 52 23 00-0074 EA 2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488).....	48,151.96	1,467.84
Note: Fire tested factory assembled package unit.		
23 52 23 00-0075 EA 3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588).....	50,144.59	1,467.84
Note: Fire tested factory assembled package unit.		
23 52 23 00-0076 EA 3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688).....	52,696.50	1,572.68
Note: Fire tested factory assembled package unit.		
23 52 23 00-0077 EA 3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788).....	55,111.45	1,572.68
Note: Fire tested factory assembled package unit.		
23 52 23 00-0078 EA 3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888).....	57,459.34	1,677.52
Note: Fire tested factory assembled package unit.		
<b>23 52 23 00-0079 Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler</b> <small>(23 52 23 00-0046)</small>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080 EA 629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488).....	26,584.97	4,583.91
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0081 EA 845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588).....	29,269.93	4,864.03
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0082 EA 1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688).....	32,836.22	5,144.16
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0083 EA 1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788).....	35,885.61	5,424.29
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0084 EA 1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888).....	38,308.19	5,704.41
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0085 EA 1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988).....	41,936.12	5,984.54
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0086 EA 1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088).....	45,040.43	6,264.67
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0087 EA 2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188).....	47,317.74	6,544.80
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0088 EA 2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288).....	50,328.17	6,824.92
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0089 EA 2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388).....	53,442.03	7,105.05
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0090 EA 2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488).....	57,550.46	7,385.18
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0091 EA 3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588).....	60,663.13	7,665.30
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0092 EA 3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688).....	62,344.32	7,945.43
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0093 EA 3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788).....	65,024.52	8,225.56
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0094 EA 3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888).....	67,286.64	8,505.69
Note: Includes field assembly of individual sections and testing.		
<b>23 52 23 00-0095 Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler</b> <small>(23 52 23 00-0046)</small>		
23 52 23 00-0096 EA 629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488).....	21,574.08	733.92
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0097 EA 845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588).....	24,341.73	838.76
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0098 EA 1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688).....	27,993.24	943.61
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0099 EA 1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788).....	31,125.68	1,048.45
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0100 EA 1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888).....	33,212.46	1,048.45
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0101 EA 1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988).....	36,924.11	1,153.29
Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.		
23 52 23 00-0102 EA 1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088).....	39,693.39	1,153.29
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0103 EA 2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188).....	42,053.12	1,258.14
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0104 EA 2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288).....	44,729.57	1,258.14
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0105 EA 2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388).....	47,932.65	1,362.98
Note: Fire tested factory assembled package cast iron unit.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0106 EA 2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488).....	50,487.15	1,467.84
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0107 EA 3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588).....	51,958.09	1,467.84
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0108 EA 3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688).....	55,030.39	1,572.68
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0109 EA 3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788).....	57,374.73	1,572.68
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0110 EA 3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888).....	59,721.32	1,677.52
Note: Fire tested factory assembled package cast iron unit.		
<b>23 52 23 00-0111 Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23)</small>		
Note: Capacities are the net AHRJ ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
<b>23 52 23 00-0112 Gas Fired Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113 EA 1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894).....	70,303.39	8,913.15
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0114 EA 1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994).....	76,239.83	9,422.47
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0115 EA 2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094).....	81,659.18	9,931.79
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0116 EA 2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194).....	86,964.88	10,441.12
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0117 EA 2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294).....	92,320.11	10,950.44
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0118 EA 2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394).....	99,131.66	11,459.77
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0119 EA 2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494).....	104,176.03	11,969.08
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0120 EA 3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594).....	109,056.15	12,478.41
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0121 EA 3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694).....	117,015.49	12,987.73
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0122 EA 3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794).....	121,892.79	13,497.06
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0123 EA 3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894).....	126,073.13	14,006.37
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0124 EA 4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994).....	133,754.15	14,515.70
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0125 EA 4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094).....	138,672.21	15,025.02
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0126 EA 4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194).....	146,530.32	15,534.35
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0127 EA 4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294).....	151,708.94	16,043.67
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0128 EA 4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394).....	157,377.80	16,552.99
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0129 EA 5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494).....	162,243.25	17,062.31
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0130 EA 5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594).....	167,249.33	17,571.64
Note: Includes field assembly of individual sections and testing.		
<b>23 52 23 00-0131 Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small>		
23 52 23 00-0132 EA 1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894).....	63,393.83	1,362.98
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0133 EA 1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994).....	69,143.87	1,467.84
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0134 EA 2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094).....	74,373.54	1,572.68
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0135 EA 2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194).....	79,493.34	1,677.52
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0136 EA 2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294).....	84,239.56	1,677.52
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0137 EA 2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394).....	89,236.60	1,782.37
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0138 EA 2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494).....	93,672.94	1,782.37
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0139 EA 3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594).....	98,365.19	1,887.21
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0140 EA 3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694).....	105,717.26	1,887.21
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0141 EA 3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794).....	110,408.18	1,992.06
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0142 EA 3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894).....	113,980.27	1,992.06
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0143 EA 4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994).....	121,475.90	2,096.90
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0144 EA 4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094).....	125,785.42	2,096.90
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0145 EA 4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194).....	133,479.80	2,201.74
Note: Fire tested factory assembled package cast iron unit.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0146 EA 4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) ..... Note: Fire tested factory assembled package cast iron unit.	138,025.98	2,201.74
23 52 23 00-0147 EA 4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) ..... Note: Fire tested factory assembled package cast iron unit.	143,505.38	2,306.59
23 52 23 00-0148 EA 5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) ..... Note: Fire tested factory assembled package cast iron unit.	147,763.91	2,306.59
23 52 23 00-0149 EA 5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) ..... Note: Fire tested factory assembled package cast iron unit.	152,581.66	2,411.44
<b>23 52 23 00-0150 Oil Fired Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151 EA 1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) ..... Note: Includes field assembly of individual sections and testing.	66,401.81	8,913.15
23 52 23 00-0152 EA 1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) ..... Note: Includes field assembly of individual sections and testing.	72,338.25	9,422.47
23 52 23 00-0153 EA 2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) ..... Note: Includes field assembly of individual sections and testing.	79,564.56	9,931.79
23 52 23 00-0154 EA 2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) ..... Note: Includes field assembly of individual sections and testing.	84,398.25	10,441.12
23 52 23 00-0155 EA 2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) ..... Note: Includes field assembly of individual sections and testing.	89,431.84	10,950.44
23 52 23 00-0156 EA 2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) ..... Note: Includes field assembly of individual sections and testing.	95,883.84	11,459.77
23 52 23 00-0157 EA 2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) ..... Note: Includes field assembly of individual sections and testing.	101,171.40	11,969.08
23 52 23 00-0158 EA 3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) ..... Note: Includes field assembly of individual sections and testing.	106,054.13	12,478.41
23 52 23 00-0159 EA 3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) ..... Note: Includes field assembly of individual sections and testing.	114,947.02	12,987.73
23 52 23 00-0160 EA 3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) ..... Note: Includes field assembly of individual sections and testing.	119,825.63	13,497.06
23 52 23 00-0161 EA 3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) ..... Note: Includes field assembly of individual sections and testing.	124,702.87	14,006.37
23 52 23 00-0162 EA 4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) ..... Note: Includes field assembly of individual sections and testing.	133,763.30	14,515.70
23 52 23 00-0163 EA 4,285 MBH Steam, 4,970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) ..... Note: Includes field assembly of individual sections and testing.	138,681.36	15,025.02
23 52 23 00-0164 EA 4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) ..... Note: Includes field assembly of individual sections and testing.	146,749.98	15,534.35
23 52 23 00-0165 EA 4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) ..... Note: Includes field assembly of individual sections and testing.	151,927.29	16,043.67
23 52 23 00-0166 EA 4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) ..... Note: Includes field assembly of individual sections and testing.	157,483.71	16,552.99
23 52 23 00-0167 EA 5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) ..... Note: Includes field assembly of individual sections and testing.	162,349.16	17,062.31
23 52 23 00-0168 EA 5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) ..... Note: Includes field assembly of individual sections and testing.	167,363.08	17,571.64
<b>23 52 23 00-0169 Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small>		
23 52 23 00-0170 EA 1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) ..... Note: Fire tested factory assembled package cast iron unit.	59,280.44	1,362.98
23 52 23 00-0171 EA 1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) ..... Note: Fire tested factory assembled package cast iron unit.	65,030.47	1,467.84
23 52 23 00-0172 EA 2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) ..... Note: Fire tested factory assembled package cast iron unit.	72,067.11	1,572.68
23 52 23 00-0173 EA 2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) ..... Note: Fire tested factory assembled package cast iron unit.	76,714.90	1,677.52
23 52 23 00-0174 EA 2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) ..... Note: Fire tested factory assembled package cast iron unit.	81,139.48	1,677.52
23 52 23 00-0175 EA 2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) ..... Note: Fire tested factory assembled package cast iron unit.	85,776.95	1,782.37
23 52 23 00-0176 EA 2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) ..... Note: Fire tested factory assembled package cast iron unit.	90,456.50	1,782.37
23 52 23 00-0177 EA 3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) ..... Note: Fire tested factory assembled package cast iron unit.	95,148.73	1,887.21
23 52 23 00-0178 EA 3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) ..... Note: Fire tested factory assembled package cast iron unit.	103,436.98	1,887.21
23 52 23 00-0179 EA 3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) ..... Note: Fire tested factory assembled package cast iron unit.	108,126.59	1,992.06
23 52 23 00-0180 EA 3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) ..... Note: Fire tested factory assembled package cast iron unit.	112,398.19	1,992.06
23 52 23 00-0181 EA 4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) ..... Note: Fire tested factory assembled package cast iron unit.	121,273.24	2,096.90
23 52 23 00-0182 EA 4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) ..... Note: Fire tested factory assembled package cast iron unit.	125,582.76	2,096.90
23 52 23 00-0183 EA 4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) ..... Note: Fire tested factory assembled package cast iron unit.	133,461.50	2,201.74
23 52 23 00-0184 EA 4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) ..... Note: Fire tested factory assembled package cast iron unit.	138,032.52	2,201.74
23 52 23 00-0185 EA 4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) ..... Note: Fire tested factory assembled package cast iron unit.	143,399.48	2,306.59

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0186 EA 5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) .....	147,658.00	2,306.59
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0187 EA 5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) .....	152,483.60	2,411.44
Note: Fire tested factory assembled package cast iron unit.		
<b>23 52 23 00-0188 Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189 EA 1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894) .....	71,529.82	8,913.15
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0190 EA 1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994) .....	77,467.57	9,422.47
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0191 EA 2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094) .....	83,221.64	9,931.79
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0192 EA 2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194) .....	88,659.40	10,441.12
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0193 EA 2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294) .....	93,984.56	10,950.44
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0194 EA 2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394) .....	99,746.19	11,459.77
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0195 EA 2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494) .....	106,217.04	11,969.08
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0196 EA 3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594) .....	111,418.80	12,478.41
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0197 EA 3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694) .....	119,583.41	12,987.73
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0198 EA 3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794) .....	124,460.72	13,497.06
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0199 EA 3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894) .....	128,732.59	14,006.37
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0200 EA 4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994) .....	136,502.52	14,515.70
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0201 EA 4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094) .....	142,728.07	15,025.02
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0202 EA 4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194) .....	151,287.01	15,534.35
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0203 EA 4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294) .....	156,426.40	16,043.67
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0204 EA 4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394) .....	162,338.46	16,552.99
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0205 EA 5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494) .....	167,205.22	17,062.31
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0206 EA 5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594) .....	172,215.21	17,571.64
Note: Includes field assembly of individual sections and testing.		
<b>23 52 23 00-0207 Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small>		
23 52 23 00-0208 EA 1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) .....	64,715.71	1,362.98
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0209 EA 1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) .....	70,467.06	1,467.84
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0210 EA 2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) .....	76,035.37	1,572.68
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0211 EA 2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) .....	81,284.61	1,677.52
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0212 EA 2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) .....	86,000.76	1,677.52
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0213 EA 2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) .....	89,946.57	1,782.37
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0214 EA 2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) .....	95,809.40	1,782.37
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0215 EA 3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) .....	100,821.98	1,887.21
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0216 EA 3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) .....	108,381.94	1,887.21
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0217 EA 3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) .....	113,070.25	1,992.06
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0218 EA 3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) .....	116,735.17	1,992.06
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0219 EA 4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) .....	124,319.71	2,096.90
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0220 EA 4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) .....	129,938.04	2,096.90
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0221 EA 4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) .....	138,307.09	2,201.74
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0222 EA 4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) .....	142,840.19	2,201.74
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0223 EA 4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) .....	148,561.48	2,306.59
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0224 EA 5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) .....	152,821.32	2,306.59
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0225 EA 5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) .....	157,644.30	2,411.44
Note: Fire tested factory assembled package cast iron unit.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 33 Water-Tube Boilers (23 52)

23 52 33 13 Finned Water-Tube Boilers (23 52 33)

23 52 33 13-0001 Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler (23 52 33 13)

Note: Rated by gross rated output.		
23 52 33 13-0002	EA 200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	8,926.48 580.33
23 52 33 13-0003	EA 300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	9,821.79 644.82
23 52 33 13-0004	EA 400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	11,274.61 773.77
23 52 33 13-0005	EA 500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	14,447.97 806.02
23 52 33 13-0006	EA 750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	16,967.96 967.22
23 52 33 13-0007	EA 1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	20,857.17 1,160.66
23 52 33 13-0008	EA 1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	23,717.38 1,225.15
23 52 33 13-0009	EA 1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	26,280.70 1,321.87
23 52 33 13-0010	EA 1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	28,671.61 1,386.35
23 52 33 13-0011	EA 2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	30,784.57 1,418.59

23 52 33 13-0012 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (23 52 33 13)

Note: Rated by gross rated output.		
23 52 33 13-0013	EA 1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	31,381.67 1,160.66
23 52 33 13-0014	EA 1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	39,228.05 1,321.87
23 52 33 13-0015	EA 2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	41,797.86 1,418.59
23 52 33 13-0016	EA 2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	59,243.39 1,612.04
23 52 33 13-0017	EA 3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	62,109.53 1,805.48

23 52 33 13-0018 Lochinvar Copper-Fin II Finned Tube Boiler (23 52 33 13)

Note: Rated by gross rated output.		
23 52 33 13-0019	EA 340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402).....	12,889.51 520.74
<i>For High And Low Gas Pressure Switch With Manual Reset, Add 483.09</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 427.95</i>		
23 52 33 13-0020	EA 425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502).....	15,467.34 650.68
<i>For High And Low Gas Pressure Switch With Manual Reset, Add 483.09</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 427.95</i>		
23 52 33 13-0021	EA 552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652).....	16,577.51 781.59
<i>For High And Low Gas Pressure Switch With Manual Reset, Add 483.09</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 427.95</i>		
23 52 33 13-0022	EA 637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752).....	17,038.28 781.59
<i>For High And Low Gas Pressure Switch With Manual Reset, Add 483.09</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 427.95</i>		
23 52 33 13-0023	EA 841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992).....	21,133.42 976.99
<i>For High And Low Gas Pressure Switch With Manual Reset, Add 483.09</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 427.95</i>		
23 52 33 13-0024	EA 1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262).....	24,515.04 976.99
<i>For High And Low Gas Pressure Switch With Manual Reset, Add 483.09</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 427.95</i>		
23 52 33 13-0025	EA 1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442).....	26,751.95 976.99
<i>For High And Low Gas Pressure Switch With Manual Reset, Add 483.09</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 427.95</i>		
23 52 33 13-0026	EA 1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802).....	28,805.79 1,172.39
<i>For High And Low Gas Pressure Switch With Manual Reset, Add 483.09</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 427.95</i>		
23 52 33 13-0027	EA 1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072).....	34,074.53 1,367.78
<i>For High And Low Gas Pressure Switch With Manual Reset, Add 483.09</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 427.95</i>		

23 52 33 13-0028 Raypak Cupro-Nickel Finned-Tube Boiler With Pump (23 52 33 13)

Note: Rated by gross rated output.		
23 52 33 13-0029	EA 385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B).....	12,368.86 715.74
23 52 33 13-0030	EA 420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B).....	13,314.12 644.82
23 52 33 13-0031	EA 546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B).....	14,824.00 773.77
23 52 33 13-0032	EA 630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B).....	15,729.48 878.41
23 52 33 13-0033	EA 756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B).....	17,472.55 967.22
23 52 33 13-0034	EA 832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B).....	18,795.71 1,041.08
23 52 33 13-0035	EA 1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B).....	21,481.82 1,160.66
23 52 33 13-0036	EA 1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B).....	25,008.78 1,225.15
23 52 33 13-0037	EA 1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B).....	26,527.11 1,321.87
23 52 33 13-0038	EA 1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B).....	31,798.20 1,354.11
23 52 33 13-0039	EA 1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B).....	31,895.90 1,386.35
23 52 33 13-0040	EA 1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B).....	37,399.70 1,418.59

23 52 33 13-0041 Raypak Gas Fired Finned-Tube Water Heater With Pump (Type WH) (23 52 33 13)

Note: Rated by gross rated output.		
23 52 33 13-0042	EA 150 MBH Input, High Delta Copper Finned Tube Boiler, Raypak WH1-HD151.....	9,856.15 650.68
Note: 85% Efficient		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 13-0043 EA 200 MBH Input, High Delta Copper Finned Tube Boiler, Raypak WH1-HD201 ..... Note: 85% Efficient	11,977.33	683.21
23 52 33 13-0044 EA 250 MBH Input, High Delta Copper Finned Tube Boiler, Raypak WH1-HD251 ..... Note: 85% Efficient	13,532.71	715.74
23 52 33 13-0045 EA 300 MBH Input, High Delta Copper Finned Tube Boiler, Raypak WH1-HD301 ..... Note: 85% Efficient	16,720.19	780.81
23 52 33 13-0046 EA 300 MBH Input, Copper Finned Tube Boiler, Raypak WH1-302B ..... Note: 85% Efficient	16,710.60	780.81
23 52 33 13-0047 EA 400 MBH Input, Copper Finned Tube Boiler, Raypak WH1-402B ..... Note: 85% Efficient	20,550.20	845.88
23 52 33 13-0048 EA 500 MBH Input, Copper Finned Tube Boiler, Raypak WH3-502B ..... Note: 85% Efficient	22,815.12	910.95
23 52 33 13-0049 EA 650 MBH Input, Copper Finned Tube Boiler, Raypak WH3-652B ..... Note: 85% Efficient	24,044.31	976.01
23 52 33 13-0050 EA 750 MBH Input, Copper Finned Tube Boiler, Raypak WH3-752B ..... Note: 85% Efficient	25,620.67	1,041.08
23 52 33 13-0051 EA 900 MBH Input, Copper Finned Tube Boiler, Raypak WH3-902B ..... Note: 85% Efficient	27,968.07	1,106.15
23 52 33 13-0052 EA 990 MBH Input, Copper Finned Tube Boiler, Raypak WH3-992B ..... Note: 85% Efficient	29,544.43	1,171.22
23 52 33 13-0053 EA 1260 MBH Input, Copper Finned Tube Boiler, Raypak WH3-1262B ..... Note: 85% Efficient	34,049.57	1,236.28
<b>23 52 33 16 Steel Water-Tube Boilers (23 52 33)</b>		
<b>23 52 33 16-0001 Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (23 52 33 16)</b> Note: Compliant with BAAQMD.		
23 52 33 16-0002 EA 1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100).....	81,106.93	1,563.19
23 52 33 16-0003 EA 1,750 MBH Input/1,488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150).....	87,166.57	1,953.99
23 52 33 16-0004 EA 2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200).....	88,729.13	2,149.38
23 52 33 16-0005 EA 2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250).....	95,569.75	2,344.78
23 52 33 16-0006 EA 3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300).....	98,794.96	2,637.88
23 52 33 16-0007 EA 3,750 MBH Output/3,188 MBH Input, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350).....	109,054.86	2,930.97
23 52 33 16-0008 EA 4,300 MBH Input/3,655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400).....	113,647.94	3,028.67
<b>23 52 33 16-0009 Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (23 52 33 16)</b> Note: Compliant with BAAQMD.		
23 52 33 16-0010 EA 1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100LS).....	94,690.81	1,758.59
23 52 33 16-0011 EA 1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150LS).....	99,381.24	2,051.68
23 52 33 16-0012 EA 2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200LS).....	102,117.60	2,247.08
23 52 33 16-0013 EA 2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250LS).....	114,234.23	2,442.48
23 52 33 16-0014 EA 3,000 MBH, 74 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300LS).....	118,435.80	2,637.88
23 52 33 16-0015 EA 3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350LS).....	126,643.58	2,930.97
23 52 33 16-0016 EA 4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400LS).....	134,077.24	3,126.37
23 52 33 16-0017 EA 5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500LS).....	224,461.71	3,321.77
23 52 33 16-0018 EA 6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600LS).....	243,028.13	3,517.17
23 52 33 16-0019 EA 7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700LS).....	255,731.65	3,712.56
23 52 33 16-0020 EA 8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800LS).....	262,278.81	3,907.96
<b>23 52 33 16-0021 Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (23 52 33 16)</b> Note: Compliant with BAAQMD.		
23 52 33 16-0022 EA 1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS).....	102,018.93	1,758.59
23 52 33 16-0023 EA 1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS).....	108,176.63	2,051.68
23 52 33 16-0024 EA 2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS).....	112,084.75	2,247.08
23 52 33 16-0025 EA 2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS).....	124,494.83	2,442.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0026 EA 3,000 MBH, 74 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS).....	128,696.40	2,637.88
23 52 33 16-0027 EA 3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS).....	135,438.96	2,930.97
23 52 33 16-0028 EA 4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS).....	143,159.93	3,126.37
23 52 33 16-0029 EA 5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS).....	232,963.65	3,321.77
23 52 33 16-0030 EA 6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS).....	252,997.33	3,517.17
23 52 33 16-0031 EA 7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS).....	261,009.70	3,712.56
23 52 33 16-0032 EA 8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS).....	272,248.01	3,907.96
23 52 33 16-0033 EA 9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS).....	302,833.70	4,103.36
23 52 33 16-0034 EA 10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS).....	438,516.66	4,298.76
23 52 33 16-0035 EA 12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS).....	460,748.17	4,494.15

**23 52 36 Fire-Box Boiler (23 52)**

**23 52 36 00-0001 Package Oil Fired Firebox Boilers (23 52 36)**

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP) boiler sizes are based on HP rating and gross output.

23 52 36 00-0002 EA 40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	78,781.28	2,516.29
23 52 36 00-0003 EA 46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	82,357.25	2,725.97
23 52 36 00-0004 EA 53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	86,220.13	2,935.66
23 52 36 00-0005 EA 61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	93,239.59	3,145.35
23 52 36 00-0006 EA 69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	97,389.40	3,355.05
23 52 36 00-0007 EA 80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	101,467.62	3,564.74
23 52 36 00-0008 EA 100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	112,877.52	3,774.42
23 52 36 00-0009 EA 127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	130,632.57	4,193.80
23 52 36 00-0010 EA 151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	148,689.00	4,613.19
23 52 36 00-0011 EA 183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	163,119.60	5,084.98
23 52 36 00-0012 EA 220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	177,550.34	5,556.79
23 52 36 00-0013 EA 257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	186,611.71	6,500.40
23 52 36 00-0014 EA 294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	227,453.69	7,444.00
23 52 36 00-0015 EA 368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	269,300.02	8,387.61
23 52 36 00-0016 EA 441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	311,571.32	9,436.06
23 52 36 00-0017 EA 514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	352,887.88	10,222.40

**23 52 39 Fire-Tube Boilers (23 52)**

**23 52 39 13 Scotch Marine Boilers (23 52 39)**

**23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers (23 52 39 13)**

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.

**23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0001)**

23 52 39 13-0003 EA 30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler.....	62,767.44	1,153.29
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0004 EA 40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler.....	67,561.33	1,258.14
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0005 EA 50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler.....	73,380.67	1,362.98
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0006 EA 60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler.....	76,653.30	1,572.68
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0007 EA 70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler.....	80,316.52	1,677.52
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0008 EA 80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler.....	84,072.39	1,782.37
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0009 EA 90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler.....	86,667.62	1,834.79
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0010 EA 100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler.....	91,496.13	1,887.21
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0011 EA 125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler.....	103,455.75	2,096.90
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0012 EA 150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler.....	117,568.94	2,306.59
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0013 EA 175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler.....	128,955.26	2,542.49
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0014 EA 200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler.....	140,339.42	2,778.40
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0015 EA 250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler.....	147,986.18	3,250.19
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0016 EA 300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler.....	180,005.90	3,722.00
Note: Burnham Series 3. Fire tested factory assembled unit.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0017 EA 350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	194,848.82	4,193.80
23 52 39 13-0018 EA 400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	229,454.90	4,665.61
23 52 39 13-0019 EA 500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	278,754.21	5,137.41
23 52 39 13-0020 EA 600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	326,156.58	5,609.21
23 52 39 13-0021 EA 700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	371,538.47	6,081.01
23 52 39 13-0022 EA 800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	415,096.60	6,552.82
23 52 39 13-0023 EA 900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	646,700.67	7,024.62
23 52 39 13-0024 EA 1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	703,652.83	7,496.43
<b>23 52 39 13-0025 15 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)</b>		
23 52 39 13-0026 EA 30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	58,163.89	1,153.29
23 52 39 13-0027 EA 40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	62,611.27	1,258.14
23 52 39 13-0028 EA 50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	68,000.17	1,362.98
23 52 39 13-0029 EA 60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	74,079.27	1,572.68
23 52 39 13-0030 EA 70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	77,280.48	1,677.52
23 52 39 13-0031 EA 80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	80,476.79	1,782.37
23 52 39 13-0032 EA 90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	83,470.89	1,834.79
23 52 39 13-0033 EA 100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	89,450.10	1,887.21
23 52 39 13-0034 EA 125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	103,553.31	2,096.90
23 52 39 13-0035 EA 150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	117,675.11	2,306.59
23 52 39 13-0036 EA 175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	129,072.92	2,542.49
23 52 39 13-0037 EA 200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	140,468.55	2,778.40
23 52 39 13-0038 EA 250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	148,121.05	3,250.19
23 52 39 13-0039 EA 300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	180,172.34	3,722.00
23 52 39 13-0040 EA 350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	195,026.74	4,193.80
23 52 39 13-0041 EA 400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	229,667.25	4,665.61
23 52 39 13-0042 EA 500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	279,012.48	5,137.41
23 52 39 13-0043 EA 600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	326,460.76	5,609.21
23 52 39 13-0044 EA 700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	371,885.69	6,081.01
23 52 39 13-0045 EA 800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	415,486.87	6,552.82
23 52 39 13-0046 EA 900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	647,317.59	7,024.62
23 52 39 13-0047 EA 1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	704,327.71	7,496.43
<b>23 52 39 13-0048 15 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)</b>		
23 52 39 13-0049 EA 30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	64,782.33	1,153.29
23 52 39 13-0050 EA 40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	69,727.88	1,258.14
23 52 39 13-0051 EA 50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	75,730.87	1,362.98
23 52 39 13-0052 EA 60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	79,574.55	1,572.68
23 52 39 13-0053 EA 70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	83,002.47	1,677.52
23 52 39 13-0054 EA 80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	86,425.47	1,782.37
23 52 39 13-0055 EA 90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	89,643.40	1,834.79
23 52 39 13-0056 EA 100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	92,862.06	1,887.21
23 52 39 13-0057 EA 125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	107,519.10	2,096.90





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0058 EA 150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	122,194.73	2,306.59
23 52 39 13-0059 EA 175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	134,028.71	2,542.49
23 52 39 13-0060 EA 200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	145,857.66	2,778.40
23 52 39 13-0061 EA 250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	153,751.21	3,250.19
23 52 39 13-0062 EA 300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	187,059.38	3,722.00
23 52 39 13-0063 EA 350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	202,453.26	4,193.80
23 52 39 13-0064 EA 400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	238,459.70	4,665.61
23 52 39 13-0065 EA 500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	289,782.09	5,137.41
23 52 39 13-0066 EA 600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	339,127.17	5,609.21
23 52 39 13-0067 EA 700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	386,368.56	6,081.01
23 52 39 13-0068 EA 800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	431,705.85	6,552.82
23 52 39 13-0069 EA 900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	673,120.57	7,024.62
23 52 39 13-0070 EA 1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	732,424.47	7,496.43
<b>23 52 39 13-0071 125 PSI Water Scotch Marine Boilers</b> <small>(23 52 39 13)</small> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
<b>23 52 39 13-0072 125 PSI Gas Fired Water Scotch Marine Boilers</b> <small>(23 52 39 13-0071)</small>		
23 52 39 13-0073 EA 40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	74,319.24	1,258.14
23 52 39 13-0074 EA 50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	83,407.05	1,362.98
23 52 39 13-0075 EA 60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,592.33	1,572.68
23 52 39 13-0076 EA 70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	96,308.80	1,677.52
23 52 39 13-0077 EA 80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	103,166.71	1,782.37
23 52 39 13-0078 EA 90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	108,625.80	1,834.79
23 52 39 13-0079 EA 100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	116,966.70	1,887.21
23 52 39 13-0080 EA 125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	125,479.93	2,096.90
23 52 39 13-0081 EA 150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	136,792.39	2,306.59
23 52 39 13-0082 EA 175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	145,501.38	2,542.49
23 52 39 13-0083 EA 200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	150,629.80	2,778.40
23 52 39 13-0084 EA 250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	182,358.25	3,250.19
23 52 39 13-0085 EA 300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	212,329.08	3,722.00
23 52 39 13-0086 EA 350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	228,836.36	4,193.80
23 52 39 13-0087 EA 400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	255,324.34	4,665.61
23 52 39 13-0088 EA 500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	309,447.45	5,137.41
23 52 39 13-0089 EA 600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	362,253.28	5,609.21
23 52 39 13-0090 EA 700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	412,809.06	6,081.01
23 52 39 13-0091 EA 800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	461,320.12	6,552.82
23 52 39 13-0092 EA 900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	720,230.04	7,024.62
23 52 39 13-0093 EA 1,000 HP, 33,476 125 PSI MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	783,724.02	7,496.43
<b>23 52 39 13-0094 125 PSI Oil Fired Water Scotch Marine Boilers</b> <small>(23 52 39 13-0071)</small>		
23 52 39 13-0095 EA 40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	68,832.57	1,258.14
23 52 39 13-0096 EA 50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	77,231.67	1,362.98

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0097 EA 60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	86,541.94	1,572.68
23 52 39 13-0098 EA 70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,615.63	1,677.52
23 52 39 13-0099 EA 80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	98,681.53	1,782.37
23 52 39 13-0100 EA 90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	104,542.36	1,834.79
23 52 39 13-0101 EA 100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	114,297.97	1,887.21
23 52 39 13-0102 EA 125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	125,597.58	2,096.90
23 52 39 13-0103 EA 150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	136,918.65	2,306.59
23 52 39 13-0104 EA 175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	145,636.25	2,542.49
23 52 39 13-0105 EA 200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	150,770.41	2,778.40
23 52 39 13-0106 EA 250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	182,527.56	3,250.19
23 52 39 13-0107 EA 300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	212,527.08	3,722.00
23 52 39 13-0108 EA 350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	229,048.71	4,193.80
23 52 39 13-0109 EA 400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	255,562.52	4,665.61
23 52 39 13-0110 EA 500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	309,737.28	5,137.41
23 52 39 13-0111 EA 600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	362,594.76	5,609.21
23 52 39 13-0112 EA 700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	413,199.32	6,081.01
23 52 39 13-0113 EA 800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	461,756.30	6,552.82
23 52 39 13-0114 EA 900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	720,921.48	7,024.62
23 52 39 13-0115 EA 1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	784,477.57	7,496.43
<b>23 52 39 13-0116 125 PSI Gas/Oil Fired Water Scotch Marine Boilers (23 52 39 13-0071)</b>		
23 52 39 13-0117 EA 40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	76,718.23	1,258.14
23 52 39 13-0118 EA 50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	86,104.48	1,362.98
23 52 39 13-0119 EA 60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	93,050.20	1,572.68
23 52 39 13-0120 EA 70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	99,580.14	1,677.52
23 52 39 13-0121 EA 80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	106,105.18	1,782.37
23 52 39 13-0122 EA 90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	112,425.15	1,834.79
23 52 39 13-0123 EA 100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	118,745.85	1,887.21
23 52 39 13-0124 EA 125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	130,481.64	2,096.90
23 52 39 13-0125 EA 150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	142,238.89	2,306.59
23 52 39 13-0126 EA 175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	151,280.75	2,542.49
23 52 39 13-0127 EA 200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	156,589.96	2,778.40
23 52 39 13-0128 EA 250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	189,592.51	3,250.19
23 52 39 13-0129 EA 300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	220,762.83	3,722.00
23 52 39 13-0130 EA 350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	237,892.82	4,193.80
23 52 39 13-0131 EA 400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	265,433.94	4,665.61
23 52 39 13-0132 EA 500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	321,789.60	5,137.41
23 52 39 13-0133 EA 600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	376,767.71	5,609.21
23 52 39 13-0134 EA 700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	429,403.95	6,081.01
23 52 39 13-0135 EA 800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	479,903.65	6,552.82
23 52 39 13-0136 EA 900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	749,792.49	7,024.62
23 52 39 13-0137 EA 1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	815,911.49	7,496.43



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0138				<b>150 PSI Steam Scotch Marine Boilers</b> <small>(23 52 39 13)</small> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0139				<b>150 PSI Gas Fired Steam Scotch Marine Boilers</b> <small>(23 52 39 13-0138)</small>		
23 52 39 13-0140	EA			40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	86,319.91	1,258.14
23 52 39 13-0141	EA			50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	93,757.70	1,362.98
23 52 39 13-0142	EA			60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	97,762.08	1,572.68
23 52 39 13-0143	EA			70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	102,398.09	1,677.52
23 52 39 13-0144	EA			80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	107,155.46	1,782.37
23 52 39 13-0145	EA			90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	110,468.08	1,834.79
23 52 39 13-0146	EA			100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	116,682.61	1,887.21
23 52 39 13-0147	EA			125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	131,979.57	2,096.90
23 52 39 13-0148	EA			150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	150,070.03	2,306.59
23 52 39 13-0149	EA			175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	164,589.95	2,542.49
23 52 39 13-0150	EA			200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	179,107.71	2,778.40
23 52 39 13-0151	EA			250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	188,481.98	3,250.19
23 52 39 13-0152	EA			300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	229,543.81	3,722.00
23 52 39 13-0153	EA			350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	248,251.50	4,193.80
23 52 39 13-0154	EA			400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	292,698.01	4,665.61
23 52 39 13-0155	EA			500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	356,224.80	5,137.41
23 52 39 13-0156	EA			600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	417,263.51	5,609.21
23 52 39 13-0157	EA			700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	475,704.95	6,081.01
23 52 39 13-0158	EA			800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	531,763.06	6,552.82
23 52 39 13-0159	EA			900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	832,285.82	7,024.62
23 52 39 13-0160	EA			1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	905,733.33	7,496.43
23 52 39 13-0161				<b>150 PSI Oil Fired Steam Scotch Marine Boilers</b> <small>(23 52 39 13-0138)</small>		
23 52 39 13-0162	EA			40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	79,883.40	1,258.14
23 52 39 13-0163	EA			50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	86,764.49	1,362.98
23 52 39 13-0164	EA			60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	94,413.26	1,572.68
23 52 39 13-0165	EA			70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	98,452.39	1,677.52
23 52 39 13-0166	EA			80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	102,483.75	1,782.37
23 52 39 13-0167	EA			90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	106,310.03	1,834.79
23 52 39 13-0168	EA			100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	114,019.62	1,887.21
23 52 39 13-0169	EA			125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	132,102.96	2,096.90
23 52 39 13-0170	EA			150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	150,210.64	2,306.59
23 52 39 13-0171	EA			175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	164,744.91	2,542.49
23 52 39 13-0172	EA			200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	179,277.02	2,778.40
23 52 39 13-0173	EA			250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	188,657.02	3,250.19
23 52 39 13-0174	EA			300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	229,759.03	3,722.00
23 52 39 13-0175	EA			350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	248,483.94	4,193.80
23 52 39 13-0176	EA			400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	292,973.49	4,665.61
23 52 39 13-0177	EA			500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	356,560.55	5,137.41

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0178 EA 600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	417,659.51	5,609.21
23 52 39 13-0179 EA 700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	476,155.48	6,081.01
23 52 39 13-0180 EA 800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	532,268.11	6,552.82
23 52 39 13-0181 EA 900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	833,089.06	7,024.62
23 52 39 13-0182 EA 1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	906,611.09	7,496.43
<b>23 52 39 13-0183 150 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-01 39)</b>		
23 52 39 13-0184 EA 40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	89,134.99	1,258.14
23 52 39 13-0185 EA 50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	96,813.83	1,362.98
23 52 39 13-0186 EA 60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	101,558.56	1,572.68
23 52 39 13-0187 EA 70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	105,890.40	1,677.52
23 52 39 13-0188 EA 80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	110,214.45	1,782.37
23 52 39 13-0189 EA 90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	114,336.31	1,834.79
23 52 39 13-0190 EA 100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	118,456.02	1,887.21
23 52 39 13-0191 EA 125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	137,259.64	2,096.90
23 52 39 13-0192 EA 150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	156,084.71	2,306.59
23 52 39 13-0193 EA 175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	171,184.30	2,542.49
23 52 39 13-0194 EA 200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	186,284.58	2,778.40
23 52 39 13-0195 EA 250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	195,977.37	3,250.19
23 52 39 13-0196 EA 300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	238,712.18	3,722.00
23 52 39 13-0197 EA 350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	258,137.28	4,193.80
23 52 39 13-0198 EA 400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	304,403.11	4,665.61
23 52 39 13-0199 EA 500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	370,564.20	5,137.41
23 52 39 13-0200 EA 600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	434,125.28	5,609.21
23 52 39 13-0201 EA 700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	494,982.92	6,081.01
23 52 39 13-0202 EA 800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	553,353.93	6,552.82
23 52 39 13-0203 EA 900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	866,630.44	7,024.62
23 52 39 13-0204 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	943,133.56	7,496.43
<b>23 53 Heating Boiler Feedwater Equipment (23 50)</b>		
<b>23 53 13 Boiler Feedwater Pumps (23 53)</b>		
See CSI section 23 53 16 00-0001 for boiler feedwater units.		
<b>23 53 16 Deaerators (23 53)</b>		
<b>23 53 16 00-0001 Boiler Feed System (23 53 16)</b>		
<b>23 53 16 00-0002 Low Pressure Boiler Feed System (23 53 16 00-0001)</b>		
Note: With deaerator includes pumps and accessories.		
23 53 16 00-0003 EA 20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	6,333.85	1,220.86
23 53 16 00-0004 EA 34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	6,838.93	1,438.30
23 53 16 00-0005 EA 54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	7,345.89	1,488.68
23 53 16 00-0006 EA 67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	7,580.61	1,543.31
23 53 16 00-0007 EA 78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	8,021.77	1,649.38
23 53 16 00-0008 EA 104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	12,826.34	1,787.27
23 53 16 00-0009 EA 158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	14,471.13	1,909.25
23 53 16 00-0010 EA 219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	16,589.53	2,174.42
23 53 16 00-0011 EA 254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	18,255.51	2,333.53
23 53 16 00-0012 EA 305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	19,668.30	2,492.63
<b>23 53 16 00-0013 High Pressure Boiler Feed System (23 53 16 00-0001)</b>		
Note: With deaerator includes pumps and accessories.		
23 53 16 00-0014 EA 10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,786.45	1,040.86
23 53 16 00-0015 EA 20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	9,155.50	1,220.86



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 53 16 00-0016	EA			34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,188.85	1,438.30
23 53 16 00-0017	EA			54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	11,011.35	1,488.68
23 53 16 00-0018	EA			67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	11,203.74	1,543.31
23 53 16 00-0019	EA			78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	13,522.58	1,649.38
23 53 16 00-0020	EA			104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	17,594.98	1,787.27
23 53 16 00-0021	EA			158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	18,049.25	1,909.25
23 53 16 00-0022	EA			183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	19,855.18	2,044.60
23 53 16 00-0023	EA			219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	21,366.19	2,174.42
23 53 16 00-0024	EA			254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	22,856.57	2,333.53
23 53 16 00-0025	EA			305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	24,658.36	2,492.63
<b>23 53 16 00-0026</b>		<b>Boiler Feedwater System <small>(23 53 16)</small></b>				
Note: With deaerator includes pumps and accessories.						
23 53 16 00-0027	EA			1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	10,978.71	1,438.30
23 53 16 00-0028	EA			2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	14,315.80	1,647.79
23 53 16 00-0029	EA			4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	18,898.13	1,885.91
23 53 16 00-0030	EA			6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	22,735.56	2,175.48
23 53 16 00-0031	EA			8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	24,129.04	2,333.53
23 53 16 00-0032	EA			11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	25,454.47	2,492.63
23 53 16 00-0033	EA			13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	28,336.84	2,863.99
23 53 16 00-0034	EA			17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	36,655.29	3,288.37
23 53 16 00-0035	EA			20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	47,598.23	3,799.63
23 53 16 00-0036	EA			27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	60,267.87	4,361.58
23 53 16 00-0037	EA			34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	77,253.89	5,018.15
<b>23 53 16 00-0038</b>		<b>Duplex Vacuum Condensate Pumps <small>(23 53 16)</small></b>				
23 53 16 00-0039	EA			7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump.....	30,606.85	848.56
Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.						
23 53 16 00-0040	EA			9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump.....	31,293.22	901.59
Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.						
23 53 16 00-0041	EA			12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump.....	32,085.11	954.63
Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.						
23 53 16 00-0042	EA			18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump.....	31,000.51	1,007.66
Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.						
23 53 16 00-0043	EA			28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump.....	42,109.69	1,060.70
Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.						
23 53 16 00-0044	EA			42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump.....	44,325.95	1,113.73
Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.						
<b>23 54 Furnaces <small>(23 50)</small></b>		Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.				
<b>23 54 13 Electric-Resistance Furnaces <small>(23 54)</small></b>						
<b>23 54 13 00-0001 Down Flow Multi-Speed Air Handler/Electric Furnace <small>(23 54 13)</small></b>						
23 54 13 00-0002	EA			Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace .....	1,428.64	132.15
Note: Excludes cooling equipment.						
23 54 13 00-0003	EA			>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace .....	1,888.26	165.19
Note: Excludes cooling equipment.						
23 54 13 00-0004	EA			>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace .....	2,444.31	198.24
Note: Excludes cooling equipment.						
<b>23 54 13 00-0005 Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace <small>(23 54 13)</small></b>						
23 54 13 00-0006	EA			Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace.....	1,428.64	132.15
Note: Excludes cooling equipment.						
23 54 13 00-0007	EA			>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace .....	1,709.67	148.67
Note: Excludes cooling equipment.						
23 54 13 00-0008	EA			>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace .....	1,868.17	165.19
Note: Excludes cooling equipment.						
23 54 13 00-0009	EA			>3 To 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,954.34	181.72
Note: Excludes cooling equipment.						
23 54 13 00-0010	EA			>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace .....	2,444.31	198.24
Note: Excludes cooling equipment.						
<b>23 54 13 00-0011 Heating Coil For Air Handler/Electric Furnace <small>(23 54 13)</small></b>						
23 54 13 00-0012	EA			5 KW Heating Coil For Air Handler/Electric Furnace .....	214.98	26.13
23 54 13 00-0013	EA			7 KW Heating Coil For Air Handler/Electric Furnace .....	247.53	28.74
23 54 13 00-0014	EA			10 KW Heating Coil For Air Handler/Electric Furnace .....	268.03	31.35
23 54 13 00-0015	EA			15 KW Heating Coil For Air Handler/Electric Furnace .....	378.94	33.96
23 54 13 00-0016	EA			20 KW Heating Coil For Air Handler/Electric Furnace .....	409.47	36.58

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 54 Furnaces**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**23 54 16 Fuel-Fired Furnaces (23 54)**

**23 54 16 13 Gas-Fired Furnaces (23 54 16)**

23 54 16 13-0001		Natural Gas Fired Forced Air Furnaces (23 54 16 13) Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 13-0002		Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	2,254.57	115.63
		Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	2,401.00	132.15
		Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace.....	2,770.43	148.67
		Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0006	EA	100 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	3,238.09	181.72
		Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	3,454.83	198.24
		Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0008		Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace .....	2,511.70	115.63
		Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace .....	2,750.56	132.15
		Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace .....	2,916.62	148.67
		Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace .....	2,974.34	165.19
		Note: Blower cooling capacity up to 3.5 tons.		
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace .....	3,441.00	181.72
		Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace .....	3,627.61	198.24
		Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0015		Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace .....	2,210.27	115.63
		Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace .....	2,537.53	132.15
		Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace .....	2,750.04	165.19
		Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace .....	2,936.66	181.72
		Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0020		Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace.....	2,905.46	115.63
		Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace.....	3,059.95	132.15
		Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace.....	3,407.28	148.67
		Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace.....	3,720.25	181.72
		Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0025	EA	120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace.....	3,987.22	198.24
		Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0026		Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0027	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,009.45	115.63
		Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0028	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,117.73	132.15
		Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0029	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,362.61	148.67
		Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0030	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,382.70	148.67
		Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0031	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,599.44	165.19
		Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0032	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,739.86	181.72
		Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0033	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,904.37	198.24
		Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0034		Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0035	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	1,392.69	115.63
		Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0036	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	1,523.06	132.15
		Note: Blower cooling capacity up to 3 tons.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0037 EA 60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 4 tons.	1,741.82	148.67
23 54 16 13-0038 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 4 tons.	1,743.83	148.67
23 54 16 13-0039 EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 5 tons.	1,914.38	165.19
23 54 16 13-0040 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,964.38	181.72
23 54 16 13-0041 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,183.14	198.24
<b>23 54 16 13-0042 Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)</b>		
23 54 16 13-0043 EA 40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	1,412.78	115.63
23 54 16 13-0044 EA 60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	1,529.09	132.15
23 54 16 13-0045 EA 80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 4 tons.	1,832.23	148.67
23 54 16 13-0046 EA 100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,016.83	165.19
<b>23 54 16 13-0047 75% AFUE Gas Wall/Recessed Furnace (23 54 16 13-0001)</b>		
23 54 16 13-0048 EA 35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace ..... 23 54 16 13-0049 EA 55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace ..... 23 54 16 13-0050 EA 35 MBH 75% AFUE Gas Wall/Recessed Furnace..... 23 54 16 13-0051 EA 40 MBH 75% AFUE Gas Wall/Recessed Furnace..... 23 54 16 13-0052 EA 50 MBH 75% AFUE Gas Wall/Recessed Furnace..... 23 54 16 13-0053 EA 65 MBH 75% AFUE Gas Wall/Recessed Furnace..... 23 54 16 13-0054 EA 75 MBH 75% AFUE Gas Wall/Recessed Furnace.....	2,407.38 2,777.70 2,176.34 2,325.90 2,304.69 2,374.00 2,458.52	99.11 123.96 99.11 107.44 115.63 123.96 123.96
<b>23 54 16 13-0055 Gas Fired Indoor Duct Furnace (23 54 16 13-0001)</b> Note: Includes burner, controls and electronic ignition.		
<b>23 54 16 13-0056 Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055)</b>		
23 54 16 13-0057 EA 100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace ..... 23 54 16 13-0058 EA 150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace ..... 23 54 16 13-0059 EA 200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace ..... 23 54 16 13-0060 EA 250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace ..... 23 54 16 13-0061 EA 300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace ..... 23 54 16 13-0062 EA 350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace ..... 23 54 16 13-0063 EA 400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	2,711.69 3,023.00 3,439.07 3,878.97 4,520.68 4,972.66 5,683.73	257.71 317.18 455.94 515.40 594.71 713.64 951.53
<b>23 54 16 13-0064 Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055)</b> Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065 EA 100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace ..... 23 54 16 13-0066 EA 150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace ..... 23 54 16 13-0067 EA 200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace ..... 23 54 16 13-0068 EA 250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace ..... 23 54 16 13-0069 EA 300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace ..... 23 54 16 13-0070 EA 350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace ..... 23 54 16 13-0071 EA 400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	3,034.74 3,341.23 3,876.23 4,394.88 5,411.07 5,938.59 6,596.61	257.71 317.18 455.94 515.40 594.71 713.64 951.53
<b>23 54 16 16 Oil-Fired Furnaces (23 54 16)</b>		
<b>23 54 16 16-0001 Oil Fired Forced Air Furnaces (23 54 16 16)</b> Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
<b>23 54 16 16-0002 Up Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)</b>		
23 54 16 16-0003 EA 72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace..... Note: Blower cooling capacity up to 3 tons. 23 54 16 16-0004 EA 95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 4 tons. 23 54 16 16-0005 EA 126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 5 tons.	3,887.66 4,130.09 4,766.49	132.15 181.72 214.76
<b>23 54 16 16-0006 Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)</b>		
23 54 16 16-0007 EA 95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 3 tons. 23 54 16 16-0008 EA 126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace..... Note: Blower cooling capacity up to 5 tons.	4,503.76 4,539.48	181.72 214.76
<b>23 54 16 16-0009 Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)</b>		
23 54 16 16-0010 EA 95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace ..... Note: Blower cooling capacity up to 4 tons.	3,893.02	181.72

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 54 Furnaces**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 16-0011 EA 127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace ..... Note: Blower cooling capacity up to 5 tons.	4,621.85	214.76
<b>23 54 19 Furnace Accessories (23 54)</b>		
23 54 19 00-0001 EA LP Gas Furnace Conversion Kit.....	215.75	33.04
23 54 19 00-0002 EA 1" Furnace External Filter Rack .....	64.61	
23 54 19 00-0003 EA Removal And Reinstallation Of Forced Air Furnace..... Note: Includes storage and cleaning. Excludes ductwork.	611.83	
<b>23 55 Fuel-Fired Heaters (23 50)</b>		
<b>23 55 23 Gas-Fired Radiant Heaters (23 55)</b>		
<b>23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters (23 55 23)</b>		
23 55 23 13-0001 Infrared Heaters-Radiant Energy (23 55 23 13) Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002 Gas Fired Electric Ignition Infrared Gas Heater (23 55 23 13-0001) Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003 EA 15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	792.85	106.07
23 55 23 13-0004 EA 37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	882.72	116.67
23 55 23 13-0005 EA 50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	939.98	116.67
23 55 23 13-0006 EA 75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,175.70	140.01
23 55 23 13-0007 EA 100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,185.35	140.01
23 55 23 13-0008 Rolled Steel Or Aluminum Housing Infrared Electric Heater (23 55 23 13-0001) Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009 EA 1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... For Stainless Steel Housing, Add	987.00 136.62	145.37
23 55 23 13-0010 EA 3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... For Stainless Steel Housing, Add	1,045.85 151.33	145.37
23 55 23 13-0011 EA 5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... For Stainless Steel Housing, Add	1,113.11 168.15	145.37
23 55 23 13-0012 EA 7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... For Stainless Steel Housing, Add	1,193.97 188.36	145.37
23 55 23 13-0013 EA 10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... For Stainless Steel Housing, Add	1,295.52 209.89	158.58
23 55 23 13-0014 EA 13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... For Stainless Steel Housing, Add	1,380.35 226.04	171.80
23 55 23 13-0015 EA 24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... For Stainless Steel Housing, Add	2,143.66 403.63	185.02
23 55 23 13-0016 Gas Fired Tubular Infrared Heater (23 55 23 13-0001) Note: Per Tube Length. Includes controls and supports.		
23 55 23 13-0017 "U" Package (23 55 23 13-0016)		
23 55 23 13-0018 LF Up To 75 MBH Input Radiant Heater .....	76.31	5.30
23 55 23 13-0019 LF 76 To 105 MBH Input Radiant Heater .....	88.11	6.36
23 55 23 13-0020 LF 106 To 130 MBH Input Radiant Heater .....	107.50	7.43
23 55 23 13-0021 "S" Straight Package (23 55 23 13-0016)		
23 55 23 13-0022 LF Up To 75 MBH Input Radiant Heater .....	62.11	4.24
23 55 23 13-0023 LF 76 To 105 MBH Input Radiant Heater .....	78.89	5.30
23 55 23 13-0024 LF 106 To 130 MBH Input Radiant Heater .....	95.68	6.36
<b>23 55 33 Fuel-Fired Unit Heaters (23 55)</b>		
<b>23 55 33 13 Oil-Fired Unit Heaters (23 55 33)</b>		
23 55 33 13-0001 Oil Fired Unit Heater (23 55 33 13)		
23 55 33 13-0002 Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt (23 55 33 13-0001)		
23 55 33 13-0003 EA 97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	6,669.01	488.49
23 55 33 13-0004 EA 142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	7,156.94	537.34
23 55 33 13-0005 EA 188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	7,689.41	586.19
<b>23 55 33 16 Gas-Fired Unit Heaters (23 55 33)</b>		
23 55 33 16-0001 Gas Fired Unit Heaters (23 55 33 16)		
23 55 33 16-0002 Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt (23 55 33 16-0001)		
23 55 33 16-0003 EA 24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,681.87	183.18
23 55 33 16-0004 EA 36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,845.54	219.83
23 55 33 16-0005 EA 48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,873.09	219.83
23 55 33 16-0006 EA 60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,050.04	256.46





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 16-0007 EA 72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,257.81	293.10
23 55 33 16-0008 EA 81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,422.34	311.41
23 55 33 16-0009 EA 101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,491.82	311.41
23 55 33 16-0010 EA 121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,432.28	311.41
23 55 33 16-0011 EA 141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,882.41	329.73
23 55 33 16-0012 EA 162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	3,153.67	329.73
23 55 33 16-0013 EA 202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	3,378.61	329.73
23 55 33 16-0014 EA 243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	4,032.03	366.38
23 55 33 16-0015 EA 283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	4,541.47	366.38
23 55 33 16-0016 EA 324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	4,874.90	403.01

**23 55 33 16-0017**

**Removal And Reinstallation Of Unit Heaters** (23 55 33 16)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 55 33 16-0018 EA Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater.....	609.90	
23 55 33 16-0019 EA Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater .....	822.04	

**23 57 Heat Exchangers for HVAC** (23 50)

**23 57 13 Steam-To-Steam Heat Exchangers** (23 57)

**23 57 13 00-0001 Steam Generator Heat Exchanger** (23 57 13)

Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.

23 57 13 00-0002 EA 75 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	20,227.09	1,697.11
23 57 13 00-0003 EA 300 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	27,371.72	1,803.18
23 57 13 00-0004 EA 525 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	36,985.97	2,263.89

**23 57 16 Steam-To-Water Heat Exchangers** (23 57)

**23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI** (23 57 16)

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

23 57 16 00-0002 EA 8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,357.90	265.18
For Copper Nickel Tubes, Add	200.43	
For Bronze Head And Tube Sheet, Add	901.95	
For Double Wall Tube Bundles, Add	300.65	
23 57 16 00-0003 EA 10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,459.41	265.18
For Copper Nickel Tubes, Add	303.51	
For Bronze Head And Tube Sheet, Add	1,365.81	
For Double Wall Tube Bundles, Add	455.27	
23 57 16 00-0004 EA 40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	5,226.20	371.25
For Copper Nickel Tubes, Add	469.59	
For Bronze Head And Tube Sheet, Add	2,113.14	
For Double Wall Tube Bundles, Add	704.38	
23 57 16 00-0005 EA 64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	8,219.03	371.25
For Copper Nickel Tubes, Add	715.83	
For Bronze Head And Tube Sheet, Add	3,221.25	
For Double Wall Tube Bundles, Add	1,073.75	
23 57 16 00-0006 EA 96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	10,832.12	437.01
For Copper Nickel Tubes, Add	950.63	
For Bronze Head And Tube Sheet, Add	4,277.82	
For Double Wall Tube Bundles, Add	1,425.94	
23 57 16 00-0007 EA 120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	14,266.07	561.24
For Copper Nickel Tubes, Add	1,248.41	
For Bronze Head And Tube Sheet, Add	5,617.85	
For Double Wall Tube Bundles, Add	1,872.62	
23 57 16 00-0008 EA 168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	17,606.73	842.38
For Copper Nickel Tubes, Add	1,529.02	
For Bronze Head And Tube Sheet, Add	6,880.59	
For Double Wall Tube Bundles, Add	2,293.53	
23 57 16 00-0009 EA 240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	26,718.59	842.38
For Copper Nickel Tubes, Add	2,382.29	
For Bronze Head And Tube Sheet, Add	10,720.31	
For Double Wall Tube Bundles, Add	3,573.44	

**23 57 19 Liquid-To-Liquid Heat Exchangers** (23 57)

**23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers** (23 57 19)

**23 57 19 13-0001 Plate And Frame Heat Exchanger** (23 57 19 13)

23 57 19 13-0002 EA 8" W x 18-7/8"H Plate And Frame Heat Exchanger.....	3,720.76	265.18
23 57 19 13-0003 EA 8" W x 24-9/16"H Plate And Frame Heat Exchanger.....	4,965.81	265.18
23 57 19 13-0004 EA 11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger.....	6,628.13	318.21
23 57 19 13-0005 EA 16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger.....	9,015.71	344.73
23 57 19 13-0006 EA 16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger.....	9,871.68	344.73
23 57 19 13-0007 EA 24" W x 57-11/16"H Plate And Frame Heat Exchanger.....	12,881.75	371.25
23 57 19 13-0008 EA 26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger.....	13,582.08	371.25
23 57 19 13-0009 EA 24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger.....	16,800.68	424.28
23 57 19 13-0010 EA 24" W x 69-11/16"H Plate And Frame Heat Exchanger.....	20,563.99	477.31
23 57 19 13-0011 EA 26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger.....	21,342.14	477.31

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 57 Heat Exchangers for HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 57 19 13-0012	EA		24" W x 89-13/16"H Plate And Frame Heat Exchanger .....	26,448.21	568.61
23 57 19 13-0013	EA		26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger .....	31,933.14	625.36
23 57 19 13-0014	EA		40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger .....	36,873.22	682.11

**23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger (23 57 19)****23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F (23 57 19)**

<sup>19</sup>Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA		7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube .....	2,816.03	265.18
			<i>For Copper Nickel Tubes, Add</i>	246.25	
			<i>For Double Wall Tube Bundles, Add</i>	369.37	
23 57 19 19-0003	EA		16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube .....	3,917.54	265.18
			<i>For Copper Nickel Tubes, Add</i>	349.33	
			<i>For Double Wall Tube Bundles, Add</i>	523.99	
23 57 19 19-0004	EA		34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube .....	5,856.14	371.25
			<i>For Copper Nickel Tubes, Add</i>	532.58	
			<i>For Double Wall Tube Bundles, Add</i>	798.87	
23 57 19 19-0005	EA		55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube .....	8,380.86	371.25
			<i>For Copper Nickel Tubes, Add</i>	767.37	
			<i>For Double Wall Tube Bundles, Add</i>	1,151.06	
23 57 19 19-0006	EA		74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube .....	10,371.33	424.28
			<i>For Copper Nickel Tubes, Add</i>	944.90	
			<i>For Double Wall Tube Bundles, Add</i>	1,417.35	
23 57 19 19-0007	EA		86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube .....	13,829.71	424.28
			<i>For Copper Nickel Tubes, Add</i>	1,271.32	
			<i>For Double Wall Tube Bundles, Add</i>	1,906.98	
23 57 19 19-0008	EA		112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube .....	17,168.26	421.19
			<i>For Copper Nickel Tubes, Add</i>	1,580.56	
			<i>For Double Wall Tube Bundles, Add</i>	2,370.84	
23 57 19 19-0009	EA		126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube .....	21,354.38	421.19
			<i>For Copper Nickel Tubes, Add</i>	1,969.97	
			<i>For Double Wall Tube Bundles, Add</i>	2,954.96	
23 57 19 19-0010	EA		152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube .....	27,303.26	421.19
			<i>For Copper Nickel Tubes, Add</i>	2,519.73	
			<i>For Double Wall Tube Bundles, Add</i>	3,779.60	

**23 57 19 23 Refrigerant-To-Water Heat Exchanger (23 57 19)****23 57 19 23-0001 Heat Exchanger Refrigerant To Water (23 57 19 23)**

23 57 19 23-0002	EA		10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube .....	3,180.74	212.14
			<i>For Copper Nickel Tubes, Add</i>	275.65	
			<i>For Double Wall Tube Bundles, Add</i>	413.47	
23 57 19 23-0003	EA		53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube .....	8,502.87	353.53
			<i>For Copper Nickel Tubes, Add</i>	779.57	
			<i>For Double Wall Tube Bundles, Add</i>	1,169.36	
23 57 19 23-0004	EA		70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube .....	11,459.53	461.19
			<i>For Copper Nickel Tubes, Add</i>	1,053.88	
			<i>For Double Wall Tube Bundles, Add</i>	1,580.82	
23 57 19 23-0005	EA		87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube .....	12,284.56	558.24
			<i>For Copper Nickel Tubes, Add</i>	1,117.04	
			<i>For Double Wall Tube Bundles, Add</i>	1,675.56	
23 57 19 23-0006	EA		105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube .....	14,836.86	668.95
			<i>For Copper Nickel Tubes, Add</i>	1,347.74	
			<i>For Double Wall Tube Bundles, Add</i>	2,021.61	

**23 60 Central Cooling Equipment (23)**

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

**23 61 Refrigerant Compressors (23 60)****23 61 16 Reciprocating Refrigerant Compressors (23 61)****23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors (23 61 16)**

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002	EA		1/4 Ton Refrigerant Compressor, Reciprocating Open Type .....	586.42	100.56
23 61 16 00-0003	EA		1/3 Ton Refrigerant Compressor, Reciprocating Open Type .....	692.70	100.56
23 61 16 00-0004	EA		1/2 Ton Refrigerant Compressor, Reciprocating Open Type .....	937.84	125.66
23 61 16 00-0005	EA		3/4 Ton Refrigerant Compressor, Reciprocating Open Type .....	1,157.06	125.66
23 61 16 00-0006	EA		1 Ton Refrigerant Compressor, Reciprocating Open Type .....	1,289.92	125.66
23 61 16 00-0007	EA		1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type .....	1,307.72	130.73
23 61 16 00-0008	EA		1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type .....	1,315.47	130.73
23 61 16 00-0009	EA		1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type .....	1,444.09	140.79
23 61 16 00-0010	EA		2 Ton Refrigerant Compressor, Reciprocating Open Type .....	1,552.78	150.85
23 61 16 00-0011	EA		2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type .....	1,692.45	160.90
23 61 16 00-0012	EA		3 Ton Refrigerant Compressor, Reciprocating Open Type .....	1,920.52	160.90
23 61 16 00-0013	EA		3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type .....	2,153.20	170.95
23 61 16 00-0014	EA		4 Ton Refrigerant Compressor, Reciprocating Open Type .....	2,199.90	181.01
23 61 16 00-0015	EA		4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type .....	2,236.50	186.00



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type.....	3,399.48	973.67
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type.....	5,084.09	1,112.72
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type.....	6,768.84	1,251.86
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type.....	8,909.34	1,356.09
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type.....	11,050.15	1,460.51
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type.....	13,260.18	1,752.61
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type.....	15,930.40	1,883.71
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type.....	18,490.48	1,991.60
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type.....	24,188.19	2,246.96
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type.....	28,484.14	2,305.89
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type.....	35,584.36	2,364.72
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type.....	37,360.86	2,394.23
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type.....	39,063.12	2,423.64
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type.....	42,249.67	2,482.48
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type.....	45,143.74	2,541.50
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type.....	48,334.98	2,899.92
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type.....	50,706.06	2,964.81
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type.....	52,684.20	3,002.55
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type.....	54,450.98	3,095.44
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type.....	55,881.95	3,160.35
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type.....	57,344.76	3,246.95
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type.....	58,729.09	3,281.86
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type.....	60,143.61	3,336.17
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type.....	61,826.65	3,561.17
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type.....	63,456.05	3,753.14
23 61 16 00-0041		<b>Reciprocating Hermetic Type Refrigerant Compressors</b> <small>(23 61 16)</small>		
Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.				
23 61 16 00-0042		<b>Reciprocating Hermetic Type Refrigerant Compressors &lt;5 Tons</b> <small>(23 61 16 00-0041)</small>		
23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,027.87	100.56
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,063.06	100.56
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,148.52	125.66
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,183.69	125.66
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,201.28	125.66
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,239.48	130.73
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,278.18	130.73
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,372.17	140.79
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,462.66	150.85
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,588.29	160.90
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,658.66	160.90
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,784.30	170.95
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	2,121.05	181.01
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	2,324.58	186.00
23 61 16 00-0057		<b>Reciprocating Hermetic Type Refrigerant Compressors</b> <small>(23 61 16 00-0041)</small>		
23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	2,909.07	500.74
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	5,562.42	625.93
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	9,311.70	762.02
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	11,869.39	876.30
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	13,108.12	973.67
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	14,531.76	1,095.38
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	18,809.31	1,251.86
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	24,221.21	1,251.86
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	29,922.56	1,460.51
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	33,694.03	1,564.83
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	35,601.64	1,639.92
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	36,596.70	1,720.93
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	37,639.22	1,727.60
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	39,537.96	1,808.91
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	41,456.39	1,883.71
23 61 19		<b>Scroll Refrigerant Compressors</b> <small>(23 61)</small>		
23 61 19 00-0001		<b>Scroll Refrigerant Compressors</b> <small>(23 61 19)</small>		
23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor.....	1,242.14	160.71
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor.....	1,302.67	171.05
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor.....	1,335.16	180.92
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor.....	1,361.43	186.09
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor.....	1,687.17	234.95
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor.....	3,202.65	352.44
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor.....	3,665.20	411.18
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor.....	4,107.43	469.92
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor.....	4,963.59	563.90
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor.....	5,849.33	634.39
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor.....	6,856.68	704.88
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor.....	9,657.72	939.84
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor.....	10,900.08	1,174.79

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 60 Central Cooling Equipment****23 61 Refrigerant Compressors**MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor.....	11,670.65	1,409.75
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**23 61 23 Rotary-Screw Refrigerant Compressors (23 61)****23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors (23 61 23)**

23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type .....	42,731.18	2,394.23
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type .....	44,037.37	2,423.64
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type .....	46,869.74	2,482.48
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type .....	49,672.11	2,541.50
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type .....	53,604.94	2,899.92
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type .....	56,891.65	2,964.81
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type .....	60,108.33	3,002.55
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type .....	63,434.67	3,095.44
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type .....	66,724.11	3,160.35
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type .....	71,352.14	3,246.95
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type .....	74,591.46	3,281.86
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type .....	76,097.28	3,336.17
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type .....	85,435.56	3,561.17
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type .....	94,651.21	3,753.14

**23 62 Packaged Compressor and Condenser Units (23 60)****23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units (23 62)****23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors (23 62 13)**

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	6,775.49	868.41
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	15,110.08	930.44
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	26,588.85	992.46
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	31,506.90	1,054.50
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	37,389.77	1,116.53
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	41,436.97	1,240.58
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	42,621.69	1,385.72
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	45,957.57	1,660.44
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	49,036.46	1,798.81
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	56,208.79	1,937.18
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	63,550.36	2,144.73
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	67,170.70	2,230.15
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	75,848.40	2,369.53
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	82,909.34	2,508.92

**23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type (23 62 13)**

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	6,463.91	868.41
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	13,336.67	930.44
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	20,851.61	992.46
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	22,522.10	1,054.50
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	24,192.58	1,116.53
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	28,680.07	1,240.58
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	32,482.91	1,385.72
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	41,784.86	1,660.44
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	46,867.31	1,798.81
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	50,736.88	1,937.18
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	58,338.97	2,144.73
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	61,794.01	2,230.15
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	67,790.09	2,369.53
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	77,316.92	2,508.92

**23 62 13 00-0031 Packaged Chiller With Remote Air Cooled Condenser (23 62 13)**

Note: With remote air cooled condenser rated by cooling capacity, Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air Cooled Condensers .....	35,160.70	8,067.59
		<i>For Gas Fired Engine Driven, Add</i>	5,822.61	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air Cooled Condensers .....	39,491.61	8,503.67
		<i>For Gas Fired Engine Driven, Add</i>	6,623.41	
23 62 13 00-0034	EA	25 Ton Packaged Chiller With Remote Air Cooled Condensers .....	45,630.74	9,253.91
		<i>For Gas Fired Engine Driven, Add</i>	7,738.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0035 EA 30 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	50,843.53 8,694.59	9,832.34
23 62 13 00-0036 EA 40 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	63,065.48 10,986.49	10,849.46
23 62 13 00-0037 EA 50 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	69,329.20 12,181.14	11,236.90
23 62 13 00-0038 EA 60 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	75,305.06 13,246.72	12,101.28
23 62 13 00-0039 EA 70 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	91,023.94 16,239.31	12,947.96
23 62 13 00-0040 EA 75 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	92,087.33 16,437.57	13,205.83
23 62 13 00-0041 EA 80 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	93,867.41 16,707.51	13,780.06
23 62 13 00-0042 EA 90 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	103,869.25 18,613.97	14,406.44
23 62 13 00-0043 EA 100 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	114,647.64 20,666.79	15,092.48
23 62 13 00-0044 EA 110 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	126,828.87 22,989.90	15,847.06
23 62 13 00-0045 EA 120 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	136,993.50 24,897.78	16,681.14
23 62 13 00-0046 EA 140 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	150,918.47 27,543.84	17,607.84

**23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units (23 62)**

<b>23 62 23 00-0001 Water Cooled Condensing Units (23 62 23)</b>		
Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.		
23 62 23 00-0002 EA 5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	7,501.93	679.01
23 62 23 00-0003 EA 10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	11,383.69	991.64
23 62 23 00-0004 EA 15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	13,042.16	1,074.69
23 62 23 00-0005 EA 20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	16,178.70	1,289.63
23 62 23 00-0006 EA 30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	17,459.38	1,517.27
23 62 23 00-0007 EA 60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	37,202.10	2,295.29
23 62 23 00-0008 EA 80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	46,179.70	2,770.21
23 62 23 00-0009 EA 120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	63,955.50	3,031.04

**23 63 Refrigerant Condensers (23 60)**

**23 63 13 Air-Cooled Refrigerant Condensers (23 63)**

<b>23 63 13 00-0001 Air Cooled Condensing Units (23 63 13)</b>		
Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.		
23 63 13 00-0002 EA 6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	4,942.07	679.01
<i>For &gt;10 To 25, Deduct</i>	-117.41	
<i>For &gt;25 To 50, Deduct</i>	-195.68	
<i>For &gt;50, Deduct</i>	-313.09	
<i>For Winter Start Control, Add</i>	259.39	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	765.88	
23 63 13 00-0003 EA 7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	5,917.62	806.02
<i>For &gt;10 To 25, Deduct</i>	-140.89	
<i>For &gt;25 To 50, Deduct</i>	-234.82	
<i>For &gt;50, Deduct</i>	-375.71	
<i>For Winter Start Control, Add</i>	216.05	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	681.02	
23 63 13 00-0004 EA 10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	7,680.86	991.64
<i>For &gt;10 To 25, Deduct</i>	-185.33	
<i>For &gt;25 To 50, Deduct</i>	-308.89	
<i>For &gt;50, Deduct</i>	-494.22	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	808.21	
<i>For Winter Start Control, Add</i>	273.86	
23 63 13 00-0005 EA 12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	9,458.80	1,031.70
<i>For &gt;10 To 25, Deduct</i>	-236.87	
<i>For &gt;25 To 50, Deduct</i>	-394.78	
<i>For &gt;50, Deduct</i>	-631.65	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	943.49	
<i>For Winter Start Control, Add</i>	314.23	
23 63 13 00-0006 EA 15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	11,241.74	1,074.69
<i>For &gt;10 To 25, Deduct</i>	-288.40	
<i>For &gt;25 To 50, Deduct</i>	-480.67	
<i>For &gt;50, Deduct</i>	-769.07	
<i>For Winter Start Control, Add</i>	258.97	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	983.89	
23 63 13 00-0007 EA 20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	14,467.19	1,289.63
<i>For &gt;10 To 25, Deduct</i>	-375.40	
<i>For &gt;25 To 50, Deduct</i>	-625.66	
<i>For &gt;50, Deduct</i>	-1,001.06	
<i>For Winter Start Control, Add</i>	320.53	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,239.29	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 60 Central Cooling Equipment**

**23 63 Refrigerant Condensers**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0008	EA		25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	16,441.48	1,387.33
			<i>For &gt;10 To 25, Deduct</i>	-430.24	
			<i>For &gt;25 To 50, Deduct</i>	-717.07	
			<i>For &gt;50, Deduct</i>	-1,147.31	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,313.81	
			<i>For Winter Start Control, Add</i>	353.43	
23 63 13 00-0009	EA		30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	18,838.93	1,514.34
			<i>For &gt;10 To 25, Deduct</i>	-496.43	
			<i>For &gt;25 To 50, Deduct</i>	-827.38	
			<i>For &gt;50, Deduct</i>	-1,323.81	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,400.20	
			<i>For Winter Start Control, Add</i>	394.60	
23 63 13 00-0010	EA		40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	25,903.72	1,825.79
			<i>For &gt;10 To 25, Deduct</i>	-692.64	
			<i>For &gt;25 To 50, Deduct</i>	-1,154.40	
			<i>For &gt;50, Deduct</i>	-1,847.04	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,858.34	
			<i>For Winter Start Control, Add</i>	512.46	
23 63 13 00-0011	EA		50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	31,473.87	2,295.29
			<i>For &gt;10 To 25, Deduct</i>	-838.02	
			<i>For &gt;25 To 50, Deduct</i>	-1,396.70	
			<i>For &gt;50, Deduct</i>	-2,234.73	
			<i>For Winter Start Control, Add</i>	493.65	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,002.31	
23 63 13 00-0012	EA		60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	36,218.27	2,533.29
			<i>For &gt;10 To 25, Deduct</i>	-972.44	
			<i>For &gt;25 To 50, Deduct</i>	-1,620.73	
			<i>For &gt;50, Deduct</i>	-2,593.16	
			<i>For Winter Start Control, Add</i>	542.44	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,247.51	
23 63 13 00-0013	EA		80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	46,823.37	2,770.21
			<i>For &gt;10 To 25, Deduct</i>	-1,276.54	
			<i>For &gt;25 To 50, Deduct</i>	-2,127.56	
			<i>For &gt;50, Deduct</i>	-3,404.10	
			<i>For Winter Start Control, Add</i>	639.97	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,770.09	
23 63 13 00-0014	EA		100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	64,491.66	2,494.28
			<i>For &gt;10 To 25, Deduct</i>	-1,782.42	
			<i>For &gt;25 To 50, Deduct</i>	-2,970.70	
			<i>For &gt;50, Deduct</i>	-4,753.13	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	3,051.82	
			<i>For Winter Start Control, Add</i>	804.83	
23 63 13 00-0015	EA		120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	79,320.30	2,578.82
			<i>For &gt;10 To 25, Deduct</i>	-2,222.12	
			<i>For &gt;25 To 50, Deduct</i>	-3,703.53	
			<i>For &gt;50, Deduct</i>	-5,925.65	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	3,534.55	

**23 63 13 00-0016 Air Cooled Condensing Units (23 63 13)**

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Excludes piping and power wiring.

23 63 13 00-0017	EA		1.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,104.13	429.86
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For &gt;10 To 25, Deduct</i>	-43.78	
			<i>For &gt;25 To 50, Deduct</i>	-72.97	
			<i>For &gt;50, Deduct</i>	-116.75	
			<i>For 15 SEER, Add</i>	350.24	
			<i>For 16 SEER, Add</i>	598.33	
			<i>For 18 SEER, Add</i>	1,255.04	
23 63 13 00-0018	EA		2 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,268.75	477.85
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For &gt;10 To 25, Deduct</i>	-46.57	
			<i>For &gt;25 To 50, Deduct</i>	-77.62	
			<i>For &gt;50, Deduct</i>	-124.19	
			<i>For 15 SEER, Add</i>	372.56	
			<i>For 16 SEER, Add</i>	636.46	
			<i>For 18 SEER, Add</i>	1,335.00	
23 63 13 00-0019	EA		2.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,414.46	525.64
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For &gt;10 To 25, Deduct</i>	-48.79	
			<i>For &gt;25 To 50, Deduct</i>	-81.32	
			<i>For &gt;50, Deduct</i>	-130.11	
			<i>For 15 SEER, Add</i>	390.34	
			<i>For 16 SEER, Add</i>	666.82	
			<i>For 18 SEER, Add</i>	1,398.70	
23 63 13 00-0020	EA		3 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,761.90	573.13
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For &gt;10 To 25, Deduct</i>	-57.07	
			<i>For &gt;25 To 50, Deduct</i>	-95.11	
			<i>For &gt;50, Deduct</i>	-152.18	
			<i>For 15 SEER, Add</i>	456.53	
			<i>For 16 SEER, Add</i>	779.90	
			<i>For 18 SEER, Add</i>	1,635.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0021 EA 3.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,929.67	621.21
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For &gt;10 To 25, Deduct</i>	-59.95	
<i>For &gt;25 To 50, Deduct</i>	-99.92	
<i>For &gt;50, Deduct</i>	-159.87	
<i>For 15 SEER, Add</i>	479.60	
<i>For 16 SEER, Add</i>	819.32	
<i>For 18 SEER, Add</i>	1,718.56	
23 63 13 00-0022 EA 4 Ton, 14 SEER, Air Cooled Condensing Unit.....	3,256.63	668.99
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For &gt;10 To 25, Deduct</i>	-67.61	
<i>For &gt;25 To 50, Deduct</i>	-112.68	
<i>For &gt;50, Deduct</i>	-180.29	
<i>For 15 SEER, Add</i>	540.87	
<i>For 16 SEER, Add</i>	923.99	
<i>For 18 SEER, Add</i>	1,938.13	
23 63 13 00-0023 EA 5 Ton, 14 SEER, Air Cooled Condensing Unit.....	3,661.51	716.42
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For &gt;10 To 25, Deduct</i>	-77.61	
<i>For &gt;25 To 50, Deduct</i>	-129.34	
<i>For &gt;50, Deduct</i>	-206.95	
<i>For 15 SEER, Add</i>	620.85	
<i>For 16 SEER, Add</i>	1,060.62	
<i>For 18 SEER, Add</i>	2,224.72	
<b>23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit</b> <small>(23 63 13)</small>		
Note: Includes storage and cleaning.		
23 63 13 00-0025 EA Removal And Reinstallation Of Up To 5 Tons Air Cooled Condensing Unit .....	440.52	
23 63 13 00-0026 EA Removal And Reinstallation Of 7.5 To 15 Tons Air Cooled Condensing Unit.....	1,651.95	
23 63 13 00-0027 EA Removal And Reinstallation Of 20 To 40 Tons Air Cooled Condensing Unit.....	2,052.50	

**23 63 23 Water-Cooled Refrigerant Condensers** (23 63)

<b>23 63 23 00-0001 Water Cooled Condensers</b> <small>(23 63 23)</small>		
Note: Steel shell and copper tube type. Includes equipment rigging.		
23 63 23 00-0002 EA 15 Ton Water Cooled Condenser, Shell And Tube Type.....	9,442.73	369.36
<i>For Saddle Legs, Add</i>	706.18	
23 63 23 00-0003 EA 20 Ton Water Cooled Condenser, Shell And Tube Type.....	12,275.54	496.24
<i>For Saddle Legs, Add</i>	916.13	
23 63 23 00-0004 EA 25 Ton Water Cooled Condenser, Shell And Tube Type.....	16,064.66	620.29
<i>For Saddle Legs, Add</i>	1,202.42	
<i>For Dual Compressor, Add</i>	756.24	
23 63 23 00-0005 EA 30 Ton Water Cooled Condenser, Shell And Tube Type.....	16,860.24	754.69
<i>For Saddle Legs, Add</i>	1,249.43	
<i>For Dual Compressor, Add</i>	785.80	
23 63 23 00-0006 EA 40 Ton Water Cooled Condenser, Shell And Tube Type.....	20,139.03	965.21
<i>For Saddle Legs, Add</i>	1,484.83	
<i>For Dual Compressor, Add</i>	933.85	
23 63 23 00-0007 EA 50 Ton Water Cooled Condenser, Shell And Tube Type.....	23,006.43	1,085.51
<i>For Saddle Legs, Add</i>	1,698.26	
<i>For Dual Compressor, Add</i>	1,068.09	
23 63 23 00-0008 EA 60 Ton Water Cooled Condenser, Shell And Tube Type.....	27,999.11	1,240.58
<i>For Saddle Legs, Add</i>	2,076.50	
<i>For Dual Compressor, Add</i>	1,305.97	
23 63 23 00-0009 EA 75 Ton Water Cooled Condenser, Shell And Tube Type.....	34,567.76	1,447.34
<i>For Saddle Legs, Add</i>	2,573.80	
<i>For Dual Compressor, Add</i>	1,618.74	
23 63 23 00-0010 EA 100 Ton Water Cooled Condenser, Shell And Tube Type.....	37,981.87	1,867.46
<i>For Saddle Legs, Add</i>	2,794.70	
<i>For Dual Compressor, Add</i>	1,757.67	
23 63 23 00-0011 EA 150 Ton Water Cooled Condenser, Shell And Tube Type.....	54,941.38	2,226.47
<i>For Saddle Legs, Add</i>	4,099.63	
<i>For Dual Compressor, Add</i>	2,578.38	

**23 64 Packaged Water Chillers** (23 60)

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

**23 64 13 Absorption Water Chillers** (23 64)

**23 64 13 16 Indirect-Fired Absorption Water Chillers** (23 64 13)

<b>23 64 13 16-0001 Packaged, Steam Driven, Water Cooled Absorption Chillers</b> <small>(23 64 13 16)</small>		
Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.		
23 64 13 16-0002 EA 50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	194,120.87	11,006.70
<i>For Two Stage Unit, Add</i>	127,079.25	
23 64 13 16-0003 EA 100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	245,112.71	12,671.31
<i>For Two Stage Unit, Add</i>	161,441.85	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 60 Central Cooling Equipment**

**23 64 Packaged Water Chillers**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 13 16-0004 EA 150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	310,732.31	13,621.66
For Two Stage Unit, Add	206,615.29	
23 64 13 16-0005 EA 200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	345,143.20	14,572.01
For Two Stage Unit, Add	229,942.64	
23 64 13 16-0006 EA 250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	385,433.69	14,994.39
For Two Stage Unit, Add	257,808.07	
23 64 13 16-0007 EA 300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	434,171.26	15,522.35
For Two Stage Unit, Add	291,501.99	
23 64 13 16-0008 EA 350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	465,570.06	16,050.33
For Two Stage Unit, Add	313,058.78	
23 64 13 16-0009 EA 400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	553,953.45	16,895.08
For Two Stage Unit, Add	374,251.35	
23 64 13 16-0010 EA 500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	620,029.81	17,423.05
For Two Stage Unit, Add	420,082.42	
23 64 13 16-0011 EA 650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	751,126.57	17,951.03
For Two Stage Unit, Add	511,427.78	
23 64 13 16-0012 EA 750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	814,346.54	19,218.15
For Two Stage Unit, Add	554,668.05	
23 64 13 16-0013 EA 850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	873,020.64	20,379.70
For Two Stage Unit, Add	594,810.69	
23 64 13 16-0014 EA 950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	936,342.69	21,697.87
For Two Stage Unit, Add	638,081.59	
23 64 13 16-0015 EA 1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	1,071,882.50	22,227.08
For Two Stage Unit, Add	732,493.74	
23 64 13 16-0016 EA 1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	1,174,014.83	23,497.21
For Two Stage Unit, Add	803,012.63	
23 64 13 16-0017 EA 1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	1,371,192.95	24,555.63
For Two Stage Unit, Add	940,190.55	
23 64 13 16-0018 EA 1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	1,602,846.97	25,296.54
For Two Stage Unit, Add	1,101,755.66	

**23 64 16 Centrifugal Water Chillers (23 64)**

**23 64 16 13 Air-Cooled Centrifugal Water Chillers (23 64 16)**

**23 64 16 13-0001 Magnetic Bearing, Air Cooled Centrifugal Chillers (23 64 16 13)**

Note: SMARDT air cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, lowest ARI IPLV in industry. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface.

23 64 16 13-0002 EA 85 Ton, Single Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller .....	221,240.24	5,848.23
For 5 Year Parts Only Compressor Warranty, Add	6,156.00	
23 64 16 13-0003 EA 175 Ton, Two Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller.....	314,033.65	7,845.13
For 5 Year Parts Only Compressor Warranty, Add	12,312.00	
23 64 16 13-0004 EA 240 Ton, Three Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller .....	392,775.27	8,296.86
For 5 Year Parts Only Compressor Warranty, Add	18,468.00	

**23 64 16 16 Water-Cooled Centrifugal Water Chillers (23 64 16)**

**23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers (23 64 16 16)**

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 16 16-0002 EA 180 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	148,106.95	6,024.68
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Voltage Motor Rating, Add	5,537.17	
23 64 16 16-0003 EA 200 Ton Packaged Water-Cooled Centrifugal Water Chiller .....	161,925.15	6,177.27
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Voltage Motor Rating, Add	6,079.97	
23 64 16 16-0004 EA 225 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	178,627.90	6,334.28
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Voltage Motor Rating, Add	6,738.11	
23 64 16 16-0005 EA 250 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	194,923.77	6,588.23
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Voltage Motor Rating, Add	7,373.63	
23 64 16 16-0006 EA 275 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	210,843.67	6,960.24
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Voltage Motor Rating, Add	7,986.52	
23 64 16 16-0007 EA 300 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	226,181.41	7,322.12
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Voltage Motor Rating, Add	8,576.79	
23 64 16 16-0008 EA 325 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	241,015.51	7,723.59
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Voltage Motor Rating, Add	9,144.35	
23 64 16 16-0009 EA 350 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	255,252.53	8,104.47
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Voltage Motor Rating, Add	9,689.36	
23 64 16 16-0010 EA 375 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	268,868.28	8,451.76
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Voltage Motor Rating, Add	10,211.68	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0011 EA 400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	281,800.94 10,711.36	8,725.99
23 64 16 16-0012 EA 425 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	294,421.71 11,188.42	9,158.30
23 64 16 16-0013 EA 450 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	306,350.08 11,642.85	9,511.62
23 64 16 16-0014 EA 475 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	317,705.35 12,074.65	9,860.40
23 64 16 16-0015 EA 500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	328,368.65 12,483.82	10,130.50
23 64 16 16-0016 EA 550 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	347,705.65 13,234.22	10,489.73
23 64 16 16-0017 EA 600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	364,569.12 13,894.11	10,717.82
23 64 16 16-0018 EA 650 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	379,652.85 14,463.42	11,247.58
23 64 16 16-0019 EA 700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	392,486.57 14,942.21	11,785.38
23 64 16 16-0020 EA 750 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	403,147.62 15,330.63	12,377.02
23 64 16 16-0021 EA 800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	428,225.79 16,295.39	12,974.16
23 64 16 16-0022 EA 850 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	453,126.72 17,253.19	13,569.39
23 64 16 16-0023 EA 900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	477,942.15 18,203.89	14,221.76
23 64 16 16-0024 EA 950 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	502,684.36 19,147.43	14,940.00
23 64 16 16-0025 EA 1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	527,026.97 20,083.80	15,688.29
23 64 16 16-0026 EA 1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	571,744.90 21,719.09	18,101.94
23 64 16 16-0027 EA 1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	614,780.25 23,286.63	20,522.48
23 64 16 16-0028 EA 1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	655,387.72 24,786.29	22,483.22
23 64 16 16-0029 EA 1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	693,100.49 26,218.06	23,690.48
23 64 16 16-0030 EA 1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	729,048.68 27,581.75	24,858.24
23 64 16 16-0031 EA 1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	762,605.65 28,878.23	25,578.82
23 64 16 16-0032 EA 1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	796,151.50 30,106.62	27,363.34
23 64 16 16-0033 EA 1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	827,285.48 31,267.13	28,698.13
23 64 16 16-0034 EA 1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	857,353.29 32,359.75	30,429.93
23 64 16 16-0035 EA 2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	884,702.31 33,384.63	31,516.73
23 64 16 16-0036 EA 2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	942,247.62 35,650.02	33,300.72
23 64 16 16-0037 EA 2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	993,382.76 37,491.43	35,298.72

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 60 Central Cooling Equipment**

**23 64 Packaged Water Chillers**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 64 16 16-0038	Magnetic Bearing, Water Cooled Centrifugal Water Chillers <sup>(23 64 16 16)</sup>		
Note: SMARDT water cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, 10 amp maximum inrush current and ARI part load <0.4kW per ton. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface, 12/18 month compressor warranty.			
23 64 16 16-0039	EA 60 To 85 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller.....	139,259.11	5,068.52
	<i>For Marine Water Box Connections, Add</i>	4,546.92	
	<i>For 5 Year Parts Only Compressor Warranty, Add</i>	6,156.00	
23 64 16 16-0040	EA 130 To 137 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller.....	175,368.46	5,891.10
	<i>For Marine Water Box Connections, Add</i>	4,546.92	
	<i>For 5 Year Parts Only Compressor Warranty, Add</i>	6,156.00	
23 64 16 16-0041	EA 125 To 170 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller .....	219,683.46	6,024.68
	<i>For Marine Water Box Connections, Add</i>	4,546.92	
	<i>For 5 Year Parts Only Compressor Warranty, Add</i>	12,312.00	
23 64 16 16-0042	EA 240 To 270 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller .....	286,130.10	6,960.24
	<i>For Marine Water Box Connections, Add</i>	4,546.92	
	<i>For 5 Year Parts Only Compressor Warranty, Add</i>	12,312.00	
23 64 16 16-0043	EA 210 To 260 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller .....	288,358.08	6,588.23
	<i>For 5 Year Parts Only Compressor Warranty, Add</i>	18,468.00	
	<i>For Marine Water Box Connections, Add</i>	4,546.92	
23 64 16 16-0044	EA 355 To 405 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller .....	432,665.98	8,725.99
	<i>For 5 Year Parts Only Compressor Warranty, Add</i>	18,468.00	
	<i>For Marine Water Box Connections, Add</i>	4,546.92	
23 64 16 16-0045	EA 299 To 340 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller .....	383,305.97	8,104.47
	<i>For Marine Water Box Connections, Add</i>	6,333.21	
	<i>For 5 Year Parts Only Compressor Warranty, Add</i>	22,572.00	
23 64 16 16-0046	EA 540 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller .....	532,614.19	10,489.73
	<i>For Marine Water Box Connections, Add</i>	6,333.21	
	<i>For 5 Year Parts Only Compressor Warranty, Add</i>	22,572.00	
23 64 16 16-0047	EA 425 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller.....	477,115.12	9,158.30
	<i>For 5 Year Parts Only Compressor Warranty, Add</i>	26,676.00	
	<i>For Marine Water Box Connections, Add</i>	6,333.21	
23 64 16 16-0048	EA 650 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller.....	638,625.09	11,247.58
	<i>For 5 Year Parts Only Compressor Warranty, Add</i>	26,676.00	
	<i>For Marine Water Box Connections, Add</i>	6,333.21	
23 64 16 16-0049	EA 510 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller.....	568,146.18	10,130.50
	<i>For Marine Water Box Connections, Add</i>	6,657.99	
	<i>For 5 Year Parts Only Compressor Warranty, Add</i>	30,780.00	
23 64 16 16-0050	EA 800 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller.....	732,023.13	12,974.16
	<i>For Marine Water Box Connections, Add</i>	6,657.99	
	<i>For 5 Year Parts Only Compressor Warranty, Add</i>	30,780.00	

**23 64 23 Scroll Water Chillers <sup>(23 64)</sup>**

**23 64 23 13 Air-Cooled Scroll Water Chillers <sup>(23 64 23)</sup>**

23 64 23 13-0001	Packaged Air Cooled Scroll Water Chillers <sup>(23 64 23 13)</sup>		
Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type. Includes scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.			
23 64 23 13-0002	EA 10 Ton Packaged Air Cooled Scroll Water Chiller.....	23,010.16	1,545.50
23 64 23 13-0003	EA 15 Ton Packaged Air Cooled Scroll Water Chiller.....	33,658.27	1,565.32
23 64 23 13-0004	EA 18 Ton Packaged Air Cooled Scroll Water Chiller.....	36,729.96	1,674.30
23 64 23 13-0005	EA 22 Ton Packaged Air Cooled Scroll Water Chiller.....	40,403.05	1,793.18
23 64 23 13-0006	EA 25 Ton Packaged Air Cooled Scroll Water Chiller.....	41,071.87	1,912.06
23 64 23 13-0007	EA 30 Ton Packaged Air Cooled Scroll Water Chiller.....	43,342.84	2,050.77
23 64 23 13-0008	EA 40 Ton Packaged Air Cooled Scroll Water Chiller.....	49,544.95	2,219.19
23 64 23 13-0009	EA 45 Ton Packaged Air Cooled Scroll Water Chiller.....	53,209.90	2,407.43
23 64 23 13-0010	EA 50 Ton Packaged Air Cooled Scroll Water Chiller.....	56,181.50	2,476.77
23 64 23 13-0011	EA 55 Ton Packaged Air Cooled Scroll Water Chiller.....	58,677.68	2,585.74
23 64 23 13-0012	EA 60 Ton Packaged Air Cooled Scroll Water Chiller.....	60,648.78	2,674.91
23 64 23 13-0013	EA 70 Ton Packaged Air Cooled Scroll Water Chiller.....	69,961.85	3,011.75
23 64 23 13-0014	EA 80 Ton Packaged Air Cooled Scroll Water Chiller.....	75,314.80	3,299.06
23 64 23 13-0015	EA 90 Ton Packaged Air Cooled Scroll Water Chiller.....	76,680.69	3,308.96
23 64 23 13-0016	EA 100 Ton Packaged Air Cooled Scroll Water Chiller.....	81,112.94	3,318.87
23 64 23 13-0017	EA 110 Ton Packaged Air Cooled Scroll Water Chiller.....	85,427.34	3,328.78
23 64 23 13-0018	EA 120 Ton Packaged Air Cooled Scroll Water Chiller.....	89,795.37	3,338.68
23 64 23 13-0019	EA 130 Ton Packaged Air Cooled Scroll Water Chiller.....	94,388.41	3,348.60

**23 64 23 16 Water-Cooled Scroll Water Chillers <sup>(23 64 23)</sup>**

23 64 23 16-0001	Packaged Water Cooled Scroll Water Chillers <sup>(23 64 23 16)</sup>		
Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 23 16-0002 EA 20 Ton Packaged Water Cooled Scroll Water Chiller .....	26,128.63	1,914.43
23 64 23 16-0003 EA 25 Ton Packaged Water Cooled Scroll Water Chiller .....	30,010.98	1,972.26
23 64 23 16-0004 EA 30 Ton Packaged Water Cooled Scroll Water Chiller .....	33,288.29	2,165.13
23 64 23 16-0005 EA 40 Ton Packaged Water Cooled Scroll Water Chiller .....	41,037.55	2,809.22
23 64 23 16-0006 EA 50 Ton Packaged Water Cooled Scroll Water Chiller .....	45,390.50	3,078.63
23 64 23 16-0007 EA 60 Ton Packaged Water Cooled Scroll Water Chiller .....	47,740.02	3,401.49

**23 64 26 Rotary-Screw Water Chillers** (23 64)

**23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers** (23 64 26)

**23 64 26 13-0001 Packaged Air Cooled Rotary-Screw Water Chillers** (23 64 26 13)

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.

23 64 26 13-0002 EA 70 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	99,702.01	3,794.41
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,410.23	
<i>For 208/230 Voltage Motor Rating, Add</i>	3,760.61	
23 64 26 13-0003 EA 80 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	107,148.95	4,121.35
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,514.65	
<i>For 208/230 Voltage Motor Rating, Add</i>	4,039.07	
23 64 26 13-0004 EA 90 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	112,715.78	4,299.68
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,593.99	
<i>For 208/230 Voltage Motor Rating, Add</i>	4,250.65	
23 64 26 13-0005 EA 100 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	116,860.60	4,626.61
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,648.88	
<i>For 208/230 Voltage Motor Rating, Add</i>	4,397.03	
23 64 26 13-0006 EA 110 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	125,431.74	4,854.48
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,772.40	
<i>For 208/230 Voltage Motor Rating, Add</i>	4,726.40	
23 64 26 13-0007 EA 120 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	133,318.31	4,953.55
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,888.32	
<i>For 208/230 Voltage Motor Rating, Add</i>	5,035.52	
23 64 26 13-0008 EA 130 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	140,745.87	5,121.96
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,996.02	
<i>For 208/230 Voltage Motor Rating, Add</i>	5,322.72	
23 64 26 13-0009 EA 140 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	145,253.46	5,230.94
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,061.11	
<i>For 208/230 Voltage Motor Rating, Add</i>	5,496.28	
23 64 26 13-0010 EA 160 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	153,402.34	5,339.92
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,180.81	
<i>For 208/230 Voltage Motor Rating, Add</i>	5,815.50	
23 64 26 13-0011 EA 170 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	160,133.46	5,508.33
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,278.06	
<i>For 208/230 Voltage Motor Rating, Add</i>	6,074.84	
23 64 26 13-0012 EA 180 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	168,871.15	5,726.30
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,404.23	
<i>For 208/230 Voltage Motor Rating, Add</i>	6,411.27	
23 64 26 13-0013 EA 200 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	176,539.10	5,845.18
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,516.72	
<i>For 208/230 Voltage Motor Rating, Add</i>	6,711.25	
23 64 26 13-0014 EA 215 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	189,281.21	5,944.25
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,705.47	
<i>For 208/230 Voltage Motor Rating, Add</i>	7,214.59	
23 64 26 13-0015 EA 225 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	197,749.54	6,003.69
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,831.31	
<i>For 208/230 Voltage Motor Rating, Add</i>	7,550.16	
23 64 26 13-0016 EA 240 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	206,217.84	6,053.23
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,957.14	
<i>For 208/230 Voltage Motor Rating, Add</i>	7,885.72	
23 64 26 13-0017 EA 260 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	231,563.35	6,172.12
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-3,334.65	
<i>For 208/230 Voltage Motor Rating, Add</i>	8,892.41	
23 64 26 13-0018 EA 280 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	244,315.38	6,291.00
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-3,523.41	
<i>For 208/230 Voltage Motor Rating, Add</i>	9,395.75	
23 64 26 13-0019 EA 300 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	261,252.01	6,390.07
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-3,775.08	
<i>For 208/230 Voltage Motor Rating, Add</i>	10,066.87	
23 64 26 13-0020 EA 325 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	286,577.71	6,499.05
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-4,152.59	
<i>For 208/230 Voltage Motor Rating, Add</i>	11,073.56	
23 64 26 13-0021 EA 350 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	312,483.81	6,578.31
<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-4,539.25	
<i>For 208/230 Voltage Motor Rating, Add</i>	12,104.65	

**23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers** (23 64 26)

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 60 Central Cooling Equipment****23 64 Packaged Water Chillers**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 64 26 16-0001		Package Water Cooled Helical Rotary Water Chillers <sup>(23 64 26 16)</sup>		
Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.				
23 64 26 16-0002	EA	70 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	78,177.32	4,751.74
23 64 26 16-0003	EA	80 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	84,943.29	4,936.53
23 64 26 16-0004	EA	90 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	90,814.20	5,068.52
23 64 26 16-0005	EA	100 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	95,893.94	5,282.35
23 64 26 16-0006	EA	110 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	100,963.72	5,427.54
23 64 26 16-0007	EA	125 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	107,143.98	5,579.91
23 64 26 16-0008	EA	130 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	121,091.73	5,735.88
23 64 26 16-0009	EA	150 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	119,091.91	5,891.10
23 64 26 16-0010	EA	175 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	128,033.96	6,036.93
23 64 26 16-0011	EA	190 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	132,395.96	6,338.83
23 64 26 16-0012	EA	200 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	135,229.06	6,644.52
23 64 26 16-0013	EA	210 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	137,060.92	6,786.76
23 64 26 16-0014	EA	235 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	148,973.95	6,935.22
23 64 26 16-0015	EA	255 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	158,279.11	7,252.64
23 64 26 16-0016	EA	275 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	167,082.77	7,546.19
23 64 26 16-0017	EA	300 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	177,331.88	7,845.13
23 64 26 16-0018	EA	350 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	194,670.28	8,540.46
23 64 26 16-0019	EA	400 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	208,857.58	9,393.67
23 64 26 16-0020	EA	450 Ton Packaged Water Cooled Helical Rotary Water Chiller .....	219,909.32	10,333.45

**23 65 Cooling Towers <sup>(23 60)</sup>****23 65 13 Forced-Draft Cooling Towers <sup>(23 65)</sup>****23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers <sup>(23 65 13)</sup>****23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers <sup>(23 65 13 16)</sup>****23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers <sup>(23 65 13 16-0001)</sup>**

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0003	EA	50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	18,679.14	1,644.57
		<i>For Stainless Steel Cooling Tower, Add</i>	9,727.37	
23 65 13 16-0004	EA	75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	25,771.91	2,011.13
		<i>For Stainless Steel Cooling Tower, Add</i>	13,662.04	
23 65 13 16-0005	EA	100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	32,296.77	2,526.31
		<i>For Stainless Steel Cooling Tower, Add</i>	16,940.92	
23 65 13 16-0006	EA	125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	37,256.93	2,823.52
		<i>For Stainless Steel Cooling Tower, Add</i>	19,631.69	
23 65 13 16-0007	EA	150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	42,585.06	3,180.18
		<i>For Stainless Steel Cooling Tower, Add</i>	22,483.81	
23 65 13 16-0008	EA	175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	47,883.43	3,566.55
		<i>For Stainless Steel Cooling Tower, Add</i>	25,294.28	
23 65 13 16-0009	EA	200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	53,741.88	3,972.74
		<i>For Stainless Steel Cooling Tower, Add</i>	28,417.03	
23 65 13 16-0010	EA	225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	58,717.92	4,478.01
		<i>For Stainless Steel Cooling Tower, Add</i>	30,915.23	
23 65 13 16-0011	EA	250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	63,961.65	4,973.36
		<i>For Stainless Steel Cooling Tower, Add</i>	33,579.98	
23 65 13 16-0012	EA	275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	69,998.01	5,884.80
		<i>For Stainless Steel Cooling Tower, Add</i>	36,328.00	
23 65 13 16-0013	EA	300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	76,059.45	6,518.86
		<i>For Stainless Steel Cooling Tower, Add</i>	39,346.66	
23 65 13 16-0014	EA	325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	80,143.42	6,934.96
		<i>For Stainless Steel Cooling Tower, Add</i>	41,428.49	
23 65 13 16-0015	EA	350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	84,923.75	7,341.15
		<i>For Stainless Steel Cooling Tower, Add</i>	43,874.65	
23 65 13 16-0016	EA	375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	89,575.28	7,697.81
		<i>For Stainless Steel Cooling Tower, Add</i>	46,320.80	
23 65 13 16-0017	EA	400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	94,910.85	8,054.46
		<i>For Stainless Steel Cooling Tower, Add</i>	49,183.32	
23 65 13 16-0018	EA	425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	100,558.62	8,490.37
		<i>For Stainless Steel Cooling Tower, Add</i>	52,149.94	
23 65 13 16-0019	EA	450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	106,977.14	8,926.28
		<i>For Stainless Steel Cooling Tower, Add</i>	55,584.96	
23 65 13 16-0020	EA	475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	113,219.79	9,302.75
		<i>For Stainless Steel Cooling Tower, Add</i>	58,967.94	
23 65 13 16-0021	EA	500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	119,472.32	9,679.22
		<i>For Stainless Steel Cooling Tower, Add</i>	62,350.92	
23 65 13 16-0022	EA	550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	131,392.88	10,085.41
		<i>For Stainless Steel Cooling Tower, Add</i>	69,116.88	
23 65 13 16-0023	EA	600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower .....	144,354.36	10,481.69
		<i>For Stainless Steel Cooling Tower, Add</i>	76,507.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 16-0024 EA 650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	149,638.21 79,630.14	10,699.65
23 65 13 16-0025 EA 700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	155,962.95 83,377.44	10,838.35
23 65 13 16-0026 EA 750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	163,253.78 87,228.83	11,393.15
23 65 13 16-0027 EA 800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	171,758.98 91,808.87	11,947.94
23 65 13 16-0028 EA 850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	180,343.46 96,388.90	12,552.27
23 65 13 16-0029 EA 900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	190,315.81 101,801.67	13,156.61
23 65 13 16-0030 EA 950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	200,600.36 107,318.53	13,850.10
23 65 13 16-0031 EA 1,000 Ton Centrifugal Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	212,262.87 113,668.12	14,543.60

**23 65 14 Induced-Draft Cooling Towers** (23 65)

**23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers** (23 65 14)

**23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers**

(23 65 14 13)

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 13-0002 EA 10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	9,497.29 1,174.94 2,349.87	1,109.60
23 65 14 13-0003 EA 20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	11,275.43 1,420.85 2,841.70	1,198.76
23 65 14 13-0004 EA 30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	13,497.15 1,721.42 3,442.83	1,347.36
23 65 14 13-0005 EA 40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	14,980.33 1,912.68 3,825.37	1,486.06
23 65 14 13-0006 EA 50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	17,768.34 2,295.22 4,590.44	1,644.57
23 65 14 13-0007 EA 60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	20,697.29 2,706.33 5,412.66	1,773.37
23 65 14 13-0008 EA 75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	23,768.14 3,114.94 6,229.89	2,011.13
23 65 14 13-0009 EA 100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	29,564.36 3,825.37 7,650.74	2,526.31
23 65 14 13-0010 EA 125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	32,225.83 4,153.26 8,306.52	2,823.52
23 65 14 13-0011 EA 150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	49,415.49 6,645.52 13,291.03	3,180.18
23 65 14 13-0012 EA 200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	59,774.86 8,009.21 16,018.41	3,972.74
23 65 14 13-0013 EA 300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	77,089.61 9,991.19 19,982.38	6,518.86

**23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers**

(23 65 14 13)

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 13-0015 EA 100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	29,564.36 3,825.37 7,650.74	2,526.31
23 65 14 13-0016 EA 150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	39,418.93 5,146.03 10,292.06	3,180.18
23 65 14 13-0017 EA 200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	50,098.67 6,557.78 13,115.55	3,972.74
23 65 14 13-0018 EA 250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	59,398.96 7,710.59 15,421.18	4,973.36
23 65 14 13-0019 EA 300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	70,481.87 9,000.03 18,000.05	6,518.86

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 60 Central Cooling Equipment**

**23 65 Cooling Towers**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0020 EA 350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	78,548.13 10,012.32 20,024.64	7,341.15
23 65 14 13-0021 EA 400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	87,624.43 11,202.87 22,405.73	8,054.46
23 65 14 13-0022 EA 450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	99,343.75 12,751.23 25,502.46	8,926.28
23 65 14 13-0023 EA 500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	112,099.16 14,481.76 28,963.51	9,679.22
23 65 14 13-0024 EA 550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	120,116.28 15,587.73 31,175.46	10,204.29
23 65 14 13-0025 EA 600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	128,787.45 16,791.81 33,583.62	10,481.69
23 65 14 13-0026 EA 700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	146,334.47 19,400.09 38,800.18	10,838.35
23 65 14 13-0027 EA 800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	160,482.38 21,260.73 42,521.45	11,947.94
23 65 14 13-0028 EA 900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	177,304.34 23,498.70 46,997.39	13,156.61

**23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers (23 65 14)**

**23 65 14 14-0001 Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers (23 65 14 14)**

Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.

23 65 14 14-0002 EA 10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	8,044.37 957.00 1,913.99	1,109.60
23 65 14 14-0003 EA 15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	8,693.98 1,051.47 2,102.93	1,129.41
23 65 14 14-0004 EA 20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	9,454.89 1,141.83 2,283.65	1,228.48
23 65 14 14-0005 EA 25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	11,077.44 1,371.83 2,743.67	1,287.92
23 65 14 14-0006 EA 30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	12,563.07 1,581.30 3,162.61	1,347.36
23 65 14 14-0007 EA 35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	14,013.77 1,782.56 3,565.12	1,416.71
23 65 14 14-0008 EA 40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	15,345.03 1,967.39 3,934.78	1,486.06
23 65 14 14-0009 EA 45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	16,823.10 2,172.75 4,345.51	1,565.32
23 65 14 14-0010 EA 50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	18,266.22 2,369.90 4,739.81	1,644.57
23 65 14 14-0011 EA 60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	21,110.50 2,768.31 5,536.62	1,773.37
23 65 14 14-0012 EA 70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	24,193.64 3,199.58 6,399.15	1,912.06
23 65 14 14-0013 EA 75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	25,619.30 3,392.62 6,785.24	2,011.13
23 65 14 14-0014 EA 80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	27,163.83 3,585.66 7,171.32	2,179.56
23 65 14 14-0015 EA 90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	28,297.63 3,717.09 7,434.19	2,347.98
23 65 14 14-0016 EA 100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	30,403.29 3,951.21 7,902.42	2,526.31
23 65 14 14-0017 EA 125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower ..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	31,618.14 4,062.11 8,124.21	2,823.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0018 EA 150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	36,738.14 4,743.91 9,487.83	3,180.18
23 65 14 14-0019 EA 175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	40,583.46 5,228.57 10,457.15	3,566.55
23 65 14 14-0020 EA 200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	42,688.56 5,446.26 10,892.52	3,972.74
23 65 14 14-0021 EA 225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	49,360.67 6,325.22 12,650.44	4,478.01
23 65 14 14-0022 EA 250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	54,106.14 6,916.67 13,833.34	4,973.36
23 65 14 14-0023 EA 275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	57,780.40 7,249.36 14,498.72	5,884.80
23 65 14 14-0024 EA 300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	62,315.63 7,775.09 15,550.18	6,518.86
23 65 14 14-0025 EA 350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	71,245.44 8,916.92 17,833.83	7,341.15
23 65 14 14-0026 EA 400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	78,545.68 9,841.05 19,682.11	8,054.46
23 65 14 14-0027 EA 450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	86,815.43 10,871.98 21,743.97	8,926.28
23 65 14 14-0028 EA 500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	94,605.67 11,857.73 23,715.47	9,679.22
23 65 14 14-0029 EA 600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	108,215.45 13,706.01 27,412.02	10,481.69
23 65 14 14-0030 EA 700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	121,544.64 15,681.61 31,363.23	10,838.35
23 65 14 14-0031 EA 800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	135,883.97 17,570.97 35,141.93	11,947.94
23 65 14 14-0032 EA 900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	149,779.40 19,369.96 38,739.91	13,156.61
23 65 14 14-0033 EA 1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	163,367.29 21,082.69 42,165.39	14,543.60
23 65 14 14-0034 EA 1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	178,897.24 23,247.23 46,494.47	15,247.01
23 65 14 14-0035 EA 1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	193,874.89 25,337.84 50,675.68	15,900.88
23 65 14 14-0036 EA 1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	206,173.50 26,861.64 53,723.29	17,268.04
23 65 14 14-0037 EA 1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	218,055.61 28,299.19 56,598.39	18,734.29
23 65 14 14-0038 EA 1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	229,491.51 29,650.49 59,300.98	20,279.79
23 65 14 14-0039 EA 1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	240,049.92 30,907.32 61,814.64	21,676.70
23 65 14 14-0040 EA 1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	250,332.87 32,073.79 64,147.58	23,271.73
23 65 14 14-0041 EA 1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	260,437.05 33,154.01 66,308.01	25,114.47
23 65 14 14-0042 EA 1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	269,901.60 34,139.75 68,279.51	26,957.17
23 65 14 14-0043 EA 2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	279,841.28 35,039.25 70,078.50	29,473.58
<b>23 65 14 14-0044 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers</b> <small>(23 65 14 14)</small>		
<small>Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.</small>		
23 65 14 14-0045 EA 100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	82,087.31 3,901.27	2,526.31

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 60 Central Cooling Equipment****23 65 Cooling Towers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0046 EA 125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	93,045.22 4,425.39	2,803.71
23 65 14 14-0047 EA 150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	101,675.64 4,828.18	3,180.18
23 65 14 14-0048 EA 200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	112,972.67 5,329.63	3,972.74
23 65 14 14-0049 EA 250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	127,900.88 5,995.29	4,973.36
23 65 14 14-0050 EA 300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	146,740.20 6,812.93	6,518.86
23 65 14 14-0051 EA 350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	159,839.28 7,402.00	7,341.15
23 65 14 14-0052 EA 400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	172,760.02 7,991.07	8,054.46
23 65 14 14-0053 EA 500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	199,350.94 9,189.84	9,679.22
23 65 14 14-0054 EA 600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	225,230.83 10,419.44	10,481.69
23 65 14 14-0055 EA 750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	279,098.50 13,013.75	11,393.15
23 65 14 14-0056 EA 1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	362,396.90 16,979.05	14,543.60
<b>23 65 14 16 Closed-Circuit, Induced-Draft Counterflow Cooling Towers (23 65 14)</b>		
<b>23 65 14 16-0001</b> Stainless Steel Packaged Propeller Type Cooling Towers (23 65 14 16) Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.		
<b>23 65 14 16-0002</b> Draw-Thru Stainless Steel Propeller Type Cooling Towers (23 65 14 16-0001) Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.		
23 65 14 16-0003 EA 50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	34,436.85	1,644.57
23 65 14 16-0004 EA 75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	48,983.74	2,011.13
23 65 14 16-0005 EA 100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	57,691.09	2,526.31
23 65 14 16-0006 EA 125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	65,405.43	2,823.52
23 65 14 16-0007 EA 150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	71,740.03	3,180.18
23 65 14 16-0008 EA 200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	86,006.93	3,972.74
23 65 14 16-0009 EA 250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	101,184.32	4,973.36
23 65 14 16-0010 EA 300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	119,872.50	6,518.86
23 65 14 16-0011 EA 350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	131,206.81	7,341.15
23 65 14 16-0012 EA 400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	148,788.65	8,054.46
23 65 14 16-0013 EA 500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	172,434.22	9,679.22
23 65 14 16-0014 EA 600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	194,715.47	10,481.69
23 65 14 16-0015 EA 750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	240,983.44	11,393.15
23 65 14 16-0016 EA 1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	307,036.83	14,385.09
<b>23 65 14 16-0017</b> Belt Driven Stainless Steel Propeller Type Cooling Towers (23 65 14 16-0001) Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.		
23 65 14 16-0018 EA 100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	60,105.39	2,526.31
23 65 14 16-0019 EA 125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	65,029.60	2,823.52
23 65 14 16-0020 EA 150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	70,056.97	3,180.18
23 65 14 16-0021 EA 200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	82,824.64	3,972.74
23 65 14 16-0022 EA 250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	91,220.76	4,973.36
<b>23 65 14 16-0023</b> Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers (23 65 14 16) Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.		
23 65 14 16-0024 EA 5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	3,983.79	1,030.34
23 65 14 16-0025 EA 8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	4,193.44	1,079.87
23 65 14 16-0026 EA 10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	4,871.98	1,109.60
23 65 14 16-0027 EA 15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	5,504.64	1,129.41
23 65 14 16-0028 EA 20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	7,201.75	1,228.48
23 65 14 16-0029 EA 25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	7,616.89	1,287.92
23 65 14 16-0030 EA 30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	8,605.74	1,347.36
23 65 14 16-0031 EA 40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	9,922.11	1,486.06
23 65 14 16-0032 EA 50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	11,072.60	1,644.57
23 65 14 16-0033 EA 60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	12,408.27	1,773.37
23 65 14 16-0034 EA 70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	14,311.38	1,912.06
23 65 14 16-0035 EA 80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	15,581.29	2,179.56
23 65 14 16-0036 EA 100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	18,861.77	2,526.31
23 65 14 16-0037 EA 125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	23,313.60	2,823.52
23 65 14 16-0038 EA 150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	26,183.07	3,180.18
23 65 14 16-0039 EA 175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	31,791.26	3,566.55
23 65 14 16-0040 EA 200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	35,457.13	3,972.74
23 65 14 16-0041 EA 225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	39,190.25	4,478.01
23 65 14 16-0042 EA 250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	42,756.99	4,973.36
23 65 14 16-0043 EA 300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	51,228.57	6,518.86





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 16-0044 EA 350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	58,218.18	7,341.15
23 65 14 16-0045 EA 400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	64,703.48	8,054.46
23 65 14 16-0046 EA 500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	78,662.88	9,481.08
23 65 14 16-0047 EA 600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	89,860.45	10,481.69
23 65 14 16-0048 EA 700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	95,161.50	8,054.46
23 65 14 16-0049 EA 800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	108,921.92	11,947.94
23 65 14 16-0050 EA 1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	124,411.87	9,956.62

**23 65 43 Cooling Tower Basins and Accessories** (23 65)

**23 65 43 00-0001 Fiberglass Cooling Tower Remote Sump Basins** (23 65 43)

Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.

23 65 43 00-0002 EA 30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	1,205.52	
<i>For Anti-Flotation Flanges, Add</i>	115.00	
<i>For Perforated Basins, Add</i>	80.00	
23 65 43 00-0003 EA 30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	1,363.88	
<i>For Anti-Flotation Flanges, Add</i>	115.00	
<i>For Perforated Basins, Add</i>	80.00	
23 65 43 00-0004 EA 36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	1,341.30	
<i>For Anti-Flotation Flanges, Add</i>	253.00	
<i>For Perforated Basins, Add</i>	80.00	
23 65 43 00-0005 EA 36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	1,570.74	
<i>For Anti-Flotation Flanges, Add</i>	253.00	
<i>For Perforated Basins, Add</i>	80.00	
23 65 43 00-0006 EA 42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	1,702.16	
<i>For Perforated Basins, Add</i>	100.00	
<i>For Anti-Flotation Flanges, Add</i>	276.00	
23 65 43 00-0007 EA 42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	1,890.17	
<i>For Perforated Basins, Add</i>	100.00	
<i>For Anti-Flotation Flanges, Add</i>	276.00	
23 65 43 00-0008 EA 42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	2,078.17	
<i>For Perforated Basins, Add</i>	100.00	
<i>For Anti-Flotation Flanges, Add</i>	276.00	
23 65 43 00-0009 EA 48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	2,106.78	
<i>For Perforated Basins, Add</i>	140.00	
<i>For Anti-Flotation Flanges, Add</i>	294.00	
23 65 43 00-0010 EA 48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	2,329.81	
<i>For Perforated Basins, Add</i>	140.00	
<i>For Anti-Flotation Flanges, Add</i>	294.00	
23 65 43 00-0011 EA 48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	2,654.61	
<i>For Perforated Basins, Add</i>	140.00	
<i>For Anti-Flotation Flanges, Add</i>	294.00	
23 65 43 00-0012 EA 48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	2,982.12	
<i>For Perforated Basins, Add</i>	140.00	
<i>For Anti-Flotation Flanges, Add</i>	294.00	
23 65 43 00-0013 EA 48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin .....	3,199.77	
<i>For Perforated Basins, Add</i>	140.00	
<i>For Anti-Flotation Flanges, Add</i>	294.00	

**23 70 Central HVAC Equipment** (23)

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

**23 71 Thermal Storage** (23 70)

**23 71 13 Thermal Heat Storage** (23 71)

**23 71 13 23 Pressurized-Water Thermal Storage Tanks** (23 71 13)

**23 71 13 23-0001 Nickelshield Storage Tanks** (23 71 13 23)

23 71 13 23-0002 EA 325 Gallon Nickelshield Storage Tank .....	27,748.69	187.78
23 71 13 23-0003 EA 490 Gallon Nickelshield Storage Tank .....	38,725.06	248.97
23 71 13 23-0004 EA 605 Gallon Nickelshield Storage Tank .....	44,332.10	301.13
23 71 13 23-0005 EA 740 Gallon Nickelshield Storage Tank .....	52,486.87	376.40
23 71 13 23-0006 EA 940 Gallon Nickelshield Storage Tank .....	61,055.66	500.37
23 71 13 23-0007 EA 1,505 Gallon Nickelshield Storage Tank .....	78,870.45	752.91
23 71 13 23-0008 EA 1,615 Gallon Nickelshield Storage Tank .....	89,065.48	848.02
23 71 13 23-0009 EA 2,275 Gallon Nickelshield Storage Tank .....	122,316.69	1,126.39
23 71 13 23-0010 EA 3,815 Gallon Nickelshield Storage Tank .....	158,290.45	1,309.47

**23 72 Air-To-Air Energy Recovery Equipment** (23 70)

**23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment** (23 72)

**23 72 13 00-0001 Enthalpy Recovery Wheel** (23 72 13)

23 72 13 00-0002 EA Up To 1,000 CFM Enthalpy Recovery Wheel .....	9,781.92	706.95
23 72 13 00-0003 EA >1,000 To 2,000 CFM Enthalpy Recovery Wheel .....	10,853.57	848.56
23 72 13 00-0004 EA >2,000 To 4,000 CFM Enthalpy Recovery Wheel .....	13,581.46	1,060.70
23 72 13 00-0005 EA >4,000 To 6,000 CFM Enthalpy Recovery Wheel .....	15,884.93	1,211.84

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 72 Air-To-Air Energy Recovery Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 72 13 00-0006 EA >6,000 To 8,000 CFM Enthalpy Recovery Wheel.....	17,582.39	1,272.84
23 72 13 00-0007 EA >8,000 To 10,000 CFM Enthalpy Recovery Wheel.....	21,381.41	1,414.43
23 72 13 00-0008 EA >10,000 To 15,000 CFM Enthalpy Recovery Wheel.....	28,436.27	1,484.97
23 72 13 00-0009 EA >15,000 To 20,000 CFM Enthalpy Recovery Wheel.....	35,441.31	1,591.04
23 72 13 00-0010 EA >20,000 To 25,000 CFM Enthalpy Recovery Wheel.....	42,929.14	1,818.04
23 72 13 00-0011 EA >25,000 To 30,000 CFM Enthalpy Recovery Wheel.....	48,083.40	2,333.53
23 72 13 00-0012 EA >30,000 To 40,000 CFM Enthalpy Recovery Wheel.....	64,483.48	2,651.74
23 72 13 00-0013 EA >40,000 To 50,000 CFM Enthalpy Recovery Wheel.....	76,695.98	3,182.08

**23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment (23 72)**

23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient (23 72 16)		
23 72 16 00-0002 EA 100 MBH, 1,700 CFM Glycol Heat Recovery Unit .....	17,700.51	530.34
23 72 16 00-0003 EA 160 MBH, 2,700 CFM Glycol Heat Recovery Unit .....	27,842.19	707.16
23 72 16 00-0004 EA 620 MBH, 4,000 CFM Glycol Heat Recovery Unit .....	41,273.90	1,060.70

**23 73 Indoor Central-Station Air-Handling Units (23 70)****23 73 13 Modular Indoor Central-Station Air-Handling Units (23 73)**

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

23 73 13 00-0001 Single Zone Units (23 73 13)		
Note: Horizontal/vertical draw-thru fan, motor and cabinet.		
23 73 13 00-0002 EA 300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	2,522.26	676.83
For Economizer, Panel, Controls And Damper(s), Add	1,316.84	
For Medium Capacity Filter Box And Throwaway Filters, Add	378.75	
For Hot Water Heating Coil, Copper Fins, Add	641.06	
For Chilled Water Cooling Coil, Copper Fins, Add	952.13	
For Electric Heating Coil, Add	796.60	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	718.83	
For Manual Roll Filter, Add	952.13	
For Variable Air Volume, Add	217.75	
For Hot Water Heating Coil, Aluminum Fins, Add	485.53	
For Steam Heating Coil, Aluminum Fins, Add	641.06	
For Flat Filter Box And Throwaway Filters, Add	203.88	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	514.95	
For Chilled Water Cooling Coil, Aluminum Fins, Add	796.60	
For Automatic Roll Filter, Add	1,029.90	
For Combination Filter Mixing Box And Throwaway Filters, Add	563.30	
For 2 Coils, Independent Circuits, Add	283.33	
For Direct Expansion Cooling Coil, Copper Fins, Add	874.37	
23 73 13 00-0003 EA 500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	3,911.14	812.20
For Economizer, Panel, Controls And Damper(s), Add	1,451.56	
For Medium Capacity Filter Box And Throwaway Filters, Add	631.51	
For Hot Water Heating Coil, Copper Fins, Add	1,079.06	
For Chilled Water Cooling Coil, Copper Fins, Add	1,629.41	
For Electric Heating Coil, Add	1,354.23	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,216.65	
For Manual Roll Filter, Add	1,629.41	
For Variable Air Volume, Add	385.25	
For Hot Water Heating Coil, Aluminum Fins, Add	803.88	
For Steam Heating Coil, Aluminum Fins, Add	1,079.06	
For Flat Filter Box And Throwaway Filters, Add	333.15	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	883.50	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,354.23	
For Automatic Roll Filter, Add	1,767.00	
For Combination Filter Mixing Box And Throwaway Filters, Add	941.47	
For 2 Coils, Independent Circuits, Add	446.15	
For Direct Expansion Cooling Coil, Copper Fins, Add	1,491.82	
23 73 13 00-0004 EA 800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	4,408.45	872.27
For Economizer, Panel, Controls And Damper(s), Add	1,512.21	
For Medium Capacity Filter Box And Throwaway Filters, Add	719.71	
For Hot Water Heating Coil, Copper Fins, Add	1,231.45	
For Chilled Water Cooling Coil, Copper Fins, Add	1,863.94	
For Electric Heating Coil, Add	1,547.70	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,389.57	
For Manual Roll Filter, Add	1,863.94	
For Variable Air Volume, Add	442.74	
For Hot Water Heating Coil, Aluminum Fins, Add	915.21	
For Steam Heating Coil, Aluminum Fins, Add	1,231.45	
For Flat Filter Box And Throwaway Filters, Add	378.54	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,011.03	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,547.70	
For Automatic Roll Filter, Add	2,022.06	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,073.33	
For 2 Coils, Independent Circuits, Add	504.09	
For Direct Expansion Cooling Coil, Copper Fins, Add	1,705.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0005 EA 1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	4,960.82	937.30
For Economizer, Panel, Controls And Damper(s), Add	1,577.45	
For Medium Capacity Filter Box And Throwaway Filters, Add	818.07	
For Hot Water Heating Coil, Copper Fins, Add	1,401.48	
For Chilled Water Cooling Coil, Copper Fins, Add	2,125.80	
For Electric Heating Coil, Add	1,763.64	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,582.56	
For Manual Roll Filter, Add	2,125.80	
For Variable Air Volume, Add	507.02	
For Hot Water Heating Coil, Aluminum Fins, Add	1,039.32	
For Steam Heating Coil, Aluminum Fins, Add	1,401.48	
For Flat Filter Box And Throwaway Filters, Add	429.12	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,153.44	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,763.64	
For Automatic Roll Filter, Add	2,306.88	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,220.40	
For 2 Coils, Independent Circuits, Add	568.51	
For Direct Expansion Cooling Coil, Copper Fins, Add	1,944.72	
23 73 13 00-0006 EA 1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	5,610.17	1,008.37
For Economizer, Panel, Controls And Damper(s), Add	1,647.20	
For Medium Capacity Filter Box And Throwaway Filters, Add	934.98	
For Hot Water Heating Coil, Copper Fins, Add	1,603.84	
For Chilled Water Cooling Coil, Copper Fins, Add	2,438.11	
For Electric Heating Coil, Add	2,020.98	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,812.41	
For Manual Roll Filter, Add	2,438.11	
For Variable Air Volume, Add	583.98	
For Hot Water Heating Coil, Aluminum Fins, Add	1,186.71	
For Steam Heating Coil, Aluminum Fins, Add	1,603.84	
For Flat Filter Box And Throwaway Filters, Add	489.07	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,323.34	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,020.98	
For Automatic Roll Filter, Add	2,646.67	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,395.28	
For 2 Coils, Independent Circuits, Add	644.44	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,229.54	
23 73 13 00-0007 EA 1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	6,366.07	1,083.67
For Economizer, Panel, Controls And Damper(s), Add	1,723.64	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,071.97	
For Hot Water Heating Coil, Copper Fins, Add	1,841.11	
For Chilled Water Cooling Coil, Copper Fins, Add	2,804.72	
For Electric Heating Coil, Add	2,322.91	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,082.01	
For Manual Roll Filter, Add	2,804.72	
For Variable Air Volume, Add	674.52	
For Hot Water Heating Coil, Aluminum Fins, Add	1,359.31	
For Steam Heating Coil, Aluminum Fins, Add	1,841.11	
For Flat Filter Box And Throwaway Filters, Add	559.20	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,522.81	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,322.91	
For Automatic Roll Filter, Add	3,045.62	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,600.21	
For 2 Coils, Independent Circuits, Add	732.97	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,563.82	
23 73 13 00-0008 EA 1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	6,963.84	1,165.01
For Economizer, Panel, Controls And Damper(s), Add	1,802.55	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,176.87	
For Hot Water Heating Coil, Copper Fins, Add	2,022.15	
For Chilled Water Cooling Coil, Copper Fins, Add	3,082.76	
For Electric Heating Coil, Add	2,552.45	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,287.30	
For Manual Roll Filter, Add	3,082.76	
For Variable Air Volume, Add	742.43	
For Hot Water Heating Coil, Aluminum Fins, Add	1,491.84	
For Steam Heating Coil, Aluminum Fins, Add	2,022.15	
For Flat Filter Box And Throwaway Filters, Add	613.34	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,673.95	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,552.45	
For Automatic Roll Filter, Add	3,347.91	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,756.99	
For 2 Coils, Independent Circuits, Add	802.45	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,817.60	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 73 13 00-0009	EA	1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	7,613.67	1,255.53
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,289.61	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,216.47	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,380.56	
		<i>For Electric Heating Coil, Add</i>	2,798.52	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,507.50	
		<i>For Manual Roll Filter, Add</i>	3,380.56	
		<i>For Variable Air Volume, Add</i>	814.86	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,634.43	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,216.47	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,736.28	
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	671.71	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,835.79	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,798.52	
		<i>For Automatic Roll Filter, Add</i>	3,671.58	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,925.45	
		<i>For 2 Coils, Independent Circuits, Add</i>	877.78	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,089.54	
23 73 13 00-0010	EA	2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	8,325.52	1,346.06
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,415.11	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,433.17	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,713.66	
		<i>For Electric Heating Coil, Add</i>	3,073.42	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,753.29	
		<i>For Manual Roll Filter, Add</i>	3,713.66	
		<i>For Variable Air Volume, Add</i>	896.35	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,792.92	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,433.17	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,807.68	
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	736.40	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,016.89	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,073.42	
		<i>For Automatic Roll Filter, Add</i>	4,033.79	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,113.05	
		<i>For 2 Coils, Independent Circuits, Add</i>	960.60	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,393.54	
23 73 13 00-0011	EA	2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	8,986.78	1,446.87
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,528.65	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,628.64	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,012.61	
		<i>For Electric Heating Coil, Add</i>	3,320.62	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,974.63	
		<i>For Manual Roll Filter, Add</i>	4,012.61	
		<i>For Variable Air Volume, Add</i>	968.78	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,936.65	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,628.64	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,886.82	
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	795.33	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,179.30	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,320.62	
		<i>For Automatic Roll Filter, Add</i>	4,358.60	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,282.65	
		<i>For 2 Coils, Independent Circuits, Add</i>	1,037.07	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,666.61	
23 73 13 00-0012	EA	2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	9,693.36	1,556.85
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,649.58	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,836.72	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,330.63	
		<i>For Electric Heating Coil, Add</i>	3,583.68	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,210.20	
		<i>For Manual Roll Filter, Add</i>	4,330.63	
		<i>For Variable Air Volume, Add</i>	1,045.74	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,089.77	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,836.72	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,973.10	
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	858.15	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,352.06	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,583.68	
		<i>For Automatic Roll Filter, Add</i>	4,704.11	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,463.25	
		<i>For 2 Coils, Independent Circuits, Add</i>	1,118.73	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,957.16	



<b>Heating, Ventilating, and Air-Conditioning (HVAC)</b>		<b>23</b>
Central HVAC Equipment		23 70
Indoor Central-Station Air-Handling Units		23 73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73	13 00-0013	EA	3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Variable Air Volume, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For 2 Coils, Independent Circuits, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	11,272.62 1,919.86 3,301.84 5,041.50 4,171.67 3,736.75 5,041.50 1,217.76 2,432.01 3,301.84 2,165.88 998.55 2,738.21 4,171.67 5,476.41 2,866.92 1,301.23 4,606.58	1,802.09
23 73	13 00-0014	EA	3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Variable Air Volume, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For 2 Coils, Independent Circuits, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	11,821.35 2,004.51 3,445.64 5,256.44 4,351.04 3,898.34 5,256.44 1,267.56 2,540.24 3,445.64 2,272.04 1,043.77 2,854.57 4,351.04 5,709.14 2,992.94 1,363.22 4,803.74	1,936.61
23 73	13 00-0015	EA	3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Variable Air Volume, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For 2 Coils, Independent Circuits, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	12,382.98 2,090.07 3,590.72 5,472.66 4,531.69 4,061.21 5,472.66 1,317.36 2,649.75 3,590.72 2,385.31 1,089.63 2,971.57 4,531.69 5,943.14 3,120.24 1,426.49 5,002.17	2,081.28
23 73	13 00-0016	EA	4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Variable Air Volume, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For 2 Coils, Independent Circuits, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i>	13,619.38 2,277.50 3,908.37 5,945.52 4,926.95 4,417.66 5,945.52 1,426.00 2,889.80 3,908.37 1,190.26 3,227.40 4,926.95 6,454.81 3,399.09 1,565.65 5,436.23 2,313.46	2,402.78

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0017 EA 4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	13,619.38	2,402.78
For Medium Capacity Filter Box And Throwaway Filters, Add	2,277.50	
For Hot Water Heating Coil, Copper Fins, Add	3,908.37	
For Chilled Water Cooling Coil, Copper Fins, Add	5,945.52	
For Electric Heating Coil, Add	4,926.95	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,417.66	
For Manual Roll Filter, Add	5,945.52	
For Variable Air Volume, Add	1,426.00	
For Hot Water Heating Coil, Aluminum Fins, Add	2,889.80	
For Steam Heating Coil, Aluminum Fins, Add	3,908.37	
For Flat Filter Box And Throwaway Filters, Add	1,190.26	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,227.40	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,926.95	
For Automatic Roll Filter, Add	6,454.81	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,399.09	
For 2 Coils, Independent Circuits, Add	1,565.65	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,436.23	
For Economizer, Panel, Controls And Damper(s), Add	2,313.46	
23 73 13 00-0018 EA 5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	14,969.84	2,759.81
For Medium Capacity Filter Box And Throwaway Filters, Add	2,481.33	
For Hot Water Heating Coil, Copper Fins, Add	4,253.60	
For Chilled Water Cooling Coil, Copper Fins, Add	6,458.90	
For Electric Heating Coil, Add	5,356.25	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,804.93	
For Manual Roll Filter, Add	6,458.90	
For Variable Air Volume, Add	1,543.71	
For Hot Water Heating Coil, Aluminum Fins, Add	3,150.95	
For Steam Heating Coil, Aluminum Fins, Add	4,253.60	
For Flat Filter Box And Throwaway Filters, Add	1,299.82	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,505.11	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,356.25	
For Automatic Roll Filter, Add	7,010.22	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,702.28	
For 2 Coils, Independent Circuits, Add	1,717.51	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,907.57	
For Economizer, Panel, Controls And Damper(s), Add	2,517.35	
23 73 13 00-0019 EA 5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	15,757.55	2,994.16
For Medium Capacity Filter Box And Throwaway Filters, Add	2,595.32	
For Hot Water Heating Coil, Copper Fins, Add	4,445.55	
For Chilled Water Cooling Coil, Copper Fins, Add	6,741.38	
For Electric Heating Coil, Add	5,593.46	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,019.51	
For Manual Roll Filter, Add	6,741.38	
For Variable Air Volume, Add	1,607.08	
For Hot Water Heating Coil, Aluminum Fins, Add	3,297.63	
For Steam Heating Coil, Aluminum Fins, Add	4,445.55	
For Flat Filter Box And Throwaway Filters, Add	1,361.84	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,657.67	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,593.46	
For Automatic Roll Filter, Add	7,315.34	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,871.59	
For 2 Coils, Independent Circuits, Add	1,805.34	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,167.42	
For Economizer, Panel, Controls And Damper(s), Add	2,651.35	
23 73 13 00-0020 EA 6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	16,527.46	3,216.68
For Medium Capacity Filter Box And Throwaway Filters, Add	2,708.07	
For Hot Water Heating Coil, Copper Fins, Add	4,635.71	
For Chilled Water Cooling Coil, Copper Fins, Add	7,022.09	
For Electric Heating Coil, Add	5,828.90	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,232.31	
For Manual Roll Filter, Add	7,022.09	
For Variable Air Volume, Add	1,670.46	
For Hot Water Heating Coil, Aluminum Fins, Add	3,442.53	
For Steam Heating Coil, Aluminum Fins, Add	4,635.71	
For Flat Filter Box And Throwaway Filters, Add	1,422.97	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,809.34	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,828.90	
For Automatic Roll Filter, Add	7,618.68	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,039.12	
For 2 Coils, Independent Circuits, Add	1,891.38	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,425.49	
For Economizer, Panel, Controls And Damper(s), Add	2,778.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0021 EA 6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	17,302.74	3,443.42
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	2,821.19	
<i>For Hot Water Heating Coil, Copper Fins, Add</i>	4,826.42	
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	7,303.33	
<i>For Electric Heating Coil, Add</i>	6,064.87	
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	5,445.65	
<i>For Manual Roll Filter, Add</i>	7,303.33	
<i>For Variable Air Volume, Add</i>	1,733.84	
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	3,587.96	
<i>For Steam Heating Coil, Aluminum Fins, Add</i>	4,826.42	
<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,484.37	
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	3,961.28	
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	6,064.87	
<i>For Automatic Roll Filter, Add</i>	7,922.56	
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	4,207.19	
<i>For 2 Coils, Independent Circuits, Add</i>	1,977.97	
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	6,684.10	
<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,907.27	
23 73 13 00-0022 EA 7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	18,197.19	3,706.54
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	2,951.06	
<i>For Hot Water Heating Coil, Copper Fins, Add</i>	5,045.20	
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	7,625.59	
<i>For Electric Heating Coil, Add</i>	6,335.40	
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	5,690.30	
<i>For Manual Roll Filter, Add</i>	7,625.59	
<i>For Variable Air Volume, Add</i>	1,806.27	
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	3,755.01	
<i>For Steam Heating Coil, Aluminum Fins, Add</i>	5,045.20	
<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,554.96	
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,135.34	
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	6,335.40	
<i>For Automatic Roll Filter, Add</i>	8,270.69	
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	4,400.11	
<i>For 2 Coils, Independent Circuits, Add</i>	2,077.76	
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	6,980.50	
<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,058.10	
23 73 13 00-0023 EA 7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	19,107.03	3,971.36
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	3,082.00	
<i>For Hot Water Heating Coil, Copper Fins, Add</i>	5,265.53	
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	7,949.39	
<i>For Electric Heating Coil, Add</i>	6,607.46	
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	5,936.50	
<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,886.32	
<i>For Manual Roll Filter, Add</i>	7,949.39	
<i>For Variable Air Volume, Add</i>	1,878.70	
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	3,923.60	
<i>For Steam Heating Coil, Aluminum Fins, Add</i>	5,265.53	
<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,626.32	
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,310.18	
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	6,607.46	
<i>For Automatic Roll Filter, Add</i>	8,620.36	
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	4,594.57	
<i>For 2 Coils, Independent Circuits, Add</i>	2,179.09	
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	7,278.43	
23 73 13 00-0024 EA 8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	20,048.65	4,276.65
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	3,215.18	
<i>For Hot Water Heating Coil, Copper Fins, Add</i>	5,489.04	
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	8,276.38	
<i>For Electric Heating Coil, Add</i>	6,882.71	
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	6,185.87	
<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,013.59	
<i>For Manual Roll Filter, Add</i>	8,276.38	
<i>For Variable Air Volume, Add</i>	1,951.14	
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	4,095.37	
<i>For Steam Heating Coil, Aluminum Fins, Add</i>	5,489.04	
<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,699.27	
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,486.61	
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	6,882.71	
<i>For Automatic Roll Filter, Add</i>	8,973.21	
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	4,792.20	
<i>For 2 Coils, Independent Circuits, Add</i>	2,283.60	
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	7,579.54	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 73 13 00-0025	EA	9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	21,123.32	4,632.96
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,366.07	
		For Hot Water Heating Coil, Copper Fins, Add	5,742.01	
		For Chilled Water Cooling Coil, Copper Fins, Add	8,645.76	
		For Electric Heating Coil, Add	7,193.89	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,467.95	
		For Economizer, Panel, Controls And Damper(s), Add	3,161.38	
		For Manual Roll Filter, Add	8,645.76	
		For Variable Air Volume, Add	2,032.62	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,290.14	
		For Steam Heating Coil, Aluminum Fins, Add	5,742.01	
		For Flat Filter Box And Throwaway Filters, Add	1,782.10	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,685.85	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	7,193.89	
		For Automatic Roll Filter, Add	9,371.70	
		For Combination Filter Mixing Box And Throwaway Filters, Add	5,016.08	
		For 2 Coils, Independent Circuits, Add	2,402.71	
		For Direct Expansion Cooling Coil, Copper Fins, Add	7,919.82	
23 73 13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	22,168.85	4,946.48
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,514.92	
		For Hot Water Heating Coil, Copper Fins, Add	5,992.08	
		For Chilled Water Cooling Coil, Copper Fins, Add	9,012.23	
		For Electric Heating Coil, Add	7,502.15	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,747.12	
		For Economizer, Panel, Controls And Damper(s), Add	3,300.42	
		For Manual Roll Filter, Add	9,012.23	
		For Variable Air Volume, Add	2,114.11	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,482.00	
		For Steam Heating Coil, Aluminum Fins, Add	5,992.08	
		For Flat Filter Box And Throwaway Filters, Add	1,863.48	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,883.64	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	7,502.15	
		For Automatic Roll Filter, Add	9,767.27	
		For Combination Filter Mixing Box And Throwaway Filters, Add	5,237.04	
		For 2 Coils, Independent Circuits, Add	2,518.90	
		For Direct Expansion Cooling Coil, Copper Fins, Add	8,257.19	
23 73 13 00-0027	EA	11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	22,210.64	4,789.49
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,555.68	
		For Hot Water Heating Coil, Copper Fins, Add	6,069.01	
		For Chilled Water Cooling Coil, Copper Fins, Add	9,147.37	
		For Electric Heating Coil, Add	7,608.19	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,838.60	
		For Economizer, Panel, Controls And Damper(s), Add	3,225.66	
		For Manual Roll Filter, Add	9,147.37	
		For Variable Air Volume, Add	2,154.85	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,529.83	
		For Steam Heating Coil, Aluminum Fins, Add	6,069.01	
		For Flat Filter Box And Throwaway Filters, Add	1,880.12	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,958.48	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	7,608.19	
		For Automatic Roll Filter, Add	9,916.96	
		For Combination Filter Mixing Box And Throwaway Filters, Add	5,299.42	
		For 2 Coils, Independent Circuits, Add	2,528.90	
		For Direct Expansion Cooling Coil, Copper Fins, Add	8,377.78	
23 73 13 00-0028	EA	12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	23,272.39	5,313.79
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,667.83	
		For Hot Water Heating Coil, Copper Fins, Add	6,247.94	
		For Chilled Water Cooling Coil, Copper Fins, Add	9,384.50	
		For Electric Heating Coil, Add	7,816.22	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,032.08	
		For Economizer, Panel, Controls And Damper(s), Add	3,456.87	
		For Manual Roll Filter, Add	9,384.50	
		For Variable Air Volume, Add	2,195.59	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,679.66	
		For Steam Heating Coil, Aluminum Fins, Add	6,247.94	
		For Flat Filter Box And Throwaway Filters, Add	1,947.76	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,084.32	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	7,816.22	
		For Automatic Roll Filter, Add	10,168.64	
		For Combination Filter Mixing Box And Throwaway Filters, Add	5,463.80	
		For 2 Coils, Independent Circuits, Add	2,640.90	
		For Direct Expansion Cooling Coil, Copper Fins, Add	8,600.36	





<b>Heating, Ventilating, and Air-Conditioning (HVAC)</b>	<b>23</b>
<b>Central HVAC Equipment</b>	<b>23 70</b>
<b>Indoor Central-Station Air-Handling Units</b>	<b>23 73</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0029 EA 13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Variable Air Volume, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For 2 Coils, Independent Circuits, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	24,481.63 3,874.39 6,603.30 9,927.41 8,265.36 7,434.33 9,927.41 2,326.88 4,941.25 6,603.30 2,055.11 5,379.22 8,265.36 10,758.44 2,972.22 5,772.27 2,780.57 9,096.38	5,527.24
23 73 13 00-0030 EA 15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Variable Air Volume, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For 2 Coils, Independent Circuits, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	25,766.37 4,086.22 6,966.21 10,477.86 8,722.04 7,844.12 10,477.86 2,458.16 5,210.38 6,966.21 2,166.23 5,677.89 8,722.04 11,355.78 3,041.62 6,088.29 2,927.80 9,599.95	5,741.29
23 73 13 00-0031 EA 16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Variable Air Volume, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For 2 Coils, Independent Circuits, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	27,110.36 4,319.02 7,367.38 11,092.45 9,229.91 8,298.64 11,092.45 2,607.55 5,504.84 7,367.38 2,286.79 6,011.86 9,229.91 12,023.72 3,097.00 6,436.11 3,083.54 10,161.18	5,962.11
23 73 13 00-0032 EA 17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Variable Air Volume, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For 2 Coils, Independent Circuits, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	28,521.80 4,556.54 7,775.29 11,713.78 9,744.53 8,759.91 11,713.78 2,756.94 5,806.05 7,775.29 2,410.71 6,349.20 9,744.53 12,698.40 3,165.87 6,790.67 3,246.03 10,729.16	6,183.17

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 73 13 00-0033	EA	20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	31,722.37	6,628.79
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	9,846.33	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	10,958.67	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	12,071.02	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	6,035.51	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	8,733.98	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	8,733.98	
		<i>For Variable Air Volume, Add</i>	3,114.57	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	8,733.98	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	5,396.93	
		<i>For Manual Roll Filter, Add</i>	12,515.96	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	7,621.63	
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,698.47	
		<i>For Automatic Roll Filter, Add</i>	13,183.37	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	5,112.67	
		<i>For Electric Heating Coil, Add</i>	5,841.87	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,393.20	
		<i>For 2 Coils, Independent Circuits, Add</i>	3,617.18	
23 73 13 00-0034	EA	22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	35,141.21	7,144.03
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	10,983.67	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	12,228.59	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	13,473.52	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	6,736.76	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	9,738.74	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	9,738.74	
		<i>For Variable Air Volume, Add</i>	3,485.79	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	9,738.74	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	6,003.97	
		<i>For Manual Roll Filter, Add</i>	13,971.49	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	8,493.82	
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	3,001.99	
		<i>For Automatic Roll Filter, Add</i>	14,718.44	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	5,696.69	
		<i>For Electric Heating Coil, Add</i>	6,501.94	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,527.48	
		<i>For 2 Coils, Independent Circuits, Add</i>	4,012.09	
23 73 13 00-0035	EA	25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	38,849.14	7,654.69
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	12,256.63	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	13,651.91	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	15,047.20	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	7,523.60	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	10,861.34	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	10,861.34	
		<i>For Variable Air Volume, Add</i>	3,906.80	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	10,861.34	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	6,675.49	
		<i>For Manual Roll Filter, Add</i>	15,605.31	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	9,466.06	
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	3,337.74	
		<i>For Automatic Roll Filter, Add</i>	16,442.48	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	6,347.18	
		<i>For Electric Heating Coil, Add</i>	7,233.60	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,650.10	
		<i>For 2 Coils, Independent Circuits, Add</i>	4,443.03	
23 73 13 00-0036	EA	27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	47,471.09	8,243.90
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	15,456.69	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	17,241.62	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	19,026.55	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	9,513.28	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	13,671.76	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	13,671.76	
		<i>For Variable Air Volume, Add</i>	4,997.81	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	13,671.76	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	8,316.97	
		<i>For Manual Roll Filter, Add</i>	19,740.53	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	11,886.83	
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	4,158.49	
		<i>For Automatic Roll Filter, Add</i>	20,811.48	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	7,963.80	
		<i>For Electric Heating Coil, Add</i>	9,030.94	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,795.18	
		<i>For 2 Coils, Independent Circuits, Add</i>	5,461.08	



<b>Heating, Ventilating, and Air-Conditioning (HVAC)</b>	<b>23</b>
<b>Central HVAC Equipment</b>	<b>23 70</b>
<b>Indoor Central-Station Air-Handling Units</b>	<b>23 73</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0037 EA 30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 52,915.87	8,799.15	
For Chilled Water Cooling Coil, Aluminum Fins, Add	17,398.07	
For Direct Expansion Cooling Coil, Copper Fins, Add	19,415.82	
For Chilled Water Cooling Coil, Copper Fins, Add	21,433.57	
For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	10,716.78	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	15,380.32	
For Hot Water Heating Coil, Copper Fins, Add	15,380.32	
For Variable Air Volume, Add	5,649.69	
For Combination Filter Mixing Box And Throwaway Filters, Add	15,380.32	
For Hot Water Heating Coil, Aluminum Fins, Add	9,327.08	
For Manual Roll Filter, Add	22,240.67	
For Steam Heating Coil, Aluminum Fins, Add	13,362.58	
For Flat Filter Box And Throwaway Filters, Add	4,663.54	
For Automatic Roll Filter, Add	23,451.31	
For Medium Capacity Filter Box And Throwaway Filters, Add	8,950.25	
For Electric Heating Coil, Add	10,134.18	
For Economizer, Panel, Controls And Damper(s), Add	3,649.14	
For 2 Coils, Independent Circuits, Add	6,098.69	
23 73 13 00-0038 EA 32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 57,926.43	9,475.38	
For Chilled Water Cooling Coil, Aluminum Fins, Add	19,111.72	
For Direct Expansion Cooling Coil, Copper Fins, Add	21,331.56	
For Chilled Water Cooling Coil, Copper Fins, Add	23,551.41	
For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	11,775.70	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,891.87	
For Hot Water Heating Coil, Copper Fins, Add	16,891.87	
For Variable Air Volume, Add	6,215.57	
For Combination Filter Mixing Box And Throwaway Filters, Add	16,891.87	
For Hot Water Heating Coil, Aluminum Fins, Add	10,232.33	
For Manual Roll Filter, Add	24,439.35	
For Steam Heating Coil, Aluminum Fins, Add	14,672.03	
For Flat Filter Box And Throwaway Filters, Add	5,116.17	
For Automatic Roll Filter, Add	25,771.25	
For Medium Capacity Filter Box And Throwaway Filters, Add	9,826.45	
For Electric Heating Coil, Add	11,120.27	
For Economizer, Panel, Controls And Damper(s), Add	3,794.43	
For 2 Coils, Independent Circuits, Add	6,680.58	
23 73 13 00-0039 EA 35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 63,526.63	8,883.13	
For Chilled Water Cooling Coil, Aluminum Fins, Add	21,000.73	
For Direct Expansion Cooling Coil, Copper Fins, Add	23,442.08	
For Chilled Water Cooling Coil, Copper Fins, Add	25,883.42	
For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	12,941.71	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	18,559.39	
For Hot Water Heating Coil, Copper Fins, Add	18,559.39	
For Variable Air Volume, Add	6,835.77	
For Combination Filter Mixing Box And Throwaway Filters, Add	18,559.39	
For Hot Water Heating Coil, Aluminum Fins, Add	11,235.35	
For Manual Roll Filter, Add	26,859.96	
For Steam Heating Coil, Aluminum Fins, Add	16,118.04	
For Flat Filter Box And Throwaway Filters, Add	5,617.68	
For Automatic Roll Filter, Add	28,324.77	
For Medium Capacity Filter Box And Throwaway Filters, Add	10,794.36	
For Electric Heating Coil, Add	12,211.89	
For Economizer, Panel, Controls And Damper(s), Add	3,969.96	
For 2 Coils, Independent Circuits, Add	7,329.20	
23 73 13 00-0040 EA 37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 68,323.74	10,914.15	
For Chilled Water Cooling Coil, Aluminum Fins, Add	22,654.23	
For Direct Expansion Cooling Coil, Copper Fins, Add	25,291.21	
For Chilled Water Cooling Coil, Copper Fins, Add	27,928.18	
For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	13,964.09	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	20,017.25	
For Hot Water Heating Coil, Copper Fins, Add	20,017.25	
For Variable Air Volume, Add	7,383.53	
For Combination Filter Mixing Box And Throwaway Filters, Add	20,017.25	
For Hot Water Heating Coil, Aluminum Fins, Add	12,106.33	
For Manual Roll Filter, Add	28,982.97	
For Steam Heating Coil, Aluminum Fins, Add	17,380.28	
For Flat Filter Box And Throwaway Filters, Add	6,053.16	
For Automatic Roll Filter, Add	30,565.16	
For Medium Capacity Filter Box And Throwaway Filters, Add	11,638.80	
For Electric Heating Coil, Add	13,161.12	
For Economizer, Panel, Controls And Damper(s), Add	4,102.63	
For 2 Coils, Independent Circuits, Add	7,887.16	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 73 13 00-0041	EA	40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Automatic Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Electric Heating Coil, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	73,678.25 24,450.77 27,297.93 30,145.09 15,072.54 21,603.62 21,603.62 7,972.04 21,603.62 13,062.14 31,283.95 18,756.46 6,531.07 32,992.25 12,560.09 14,201.00 3,921.89 8,506.69	11,675.47
23 73 13 00-0042	EA	45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Automatic Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Electric Heating Coil, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	79,512.10 26,401.96 29,477.09 32,552.21 16,276.11 23,326.84 23,326.84 8,610.35 23,326.84 14,101.46 33,782.26 20,251.71 7,050.73 35,627.34 13,561.17 15,331.51 4,081.20 9,181.26	12,606.25
23 73 13 00-0043	EA	47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Automatic Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Electric Heating Coil, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	82,844.31 27,491.84 30,693.07 33,894.30 16,947.15 24,290.60 24,290.60 8,963.46 24,290.60 14,686.90 35,174.80 21,089.37 7,343.45 37,095.54 14,122.31 15,967.39 4,182.45 9,564.92	13,198.36
23 73 13 00-0044	EA	50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Steam Heating Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Automatic Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Electric Heating Coil, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	85,981.91 28,523.45 31,844.32 35,165.20 17,582.60 25,202.57 25,202.57 9,298.45 25,202.57 15,239.94 36,493.55 21,881.70 7,619.97 38,486.08 14,653.01 16,568.29 4,275.55 9,926.54	13,705.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0045 EA 55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	92,671.71 30,793.04 34,380.69 37,968.34 18,984.17 27,205.40 27,205.40 10,045.41 27,205.40 16,442.46 39,403.39 23,617.75 8,221.23 41,555.98 15,814.90 17,877.52 4,444.85 10,702.23	14,636.64
23 73 13 00-0046 EA 60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .... <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Electric Heating Coil, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	101,281.32 33,797.86 4,138.22 37,742.82 41,687.77 20,843.89 29,852.91 29,852.91 11,045.87 29,852.91 18,018.04 43,265.75 25,907.95 9,009.02 45,632.73 17,346.58 19,596.02 11,706.11	15,651.91
23 73 13 00-0047 EA 65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .... <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Electric Heating Coil, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	110,961.83 37,132.89 4,317.28 41,472.34 45,811.79 22,905.89 32,793.44 32,793.44 12,150.46 32,793.44 19,775.08 47,547.57 28,453.99 9,887.54 50,151.24 19,049.90 21,510.86 12,831.96	18,920.97
23 73 13 00-0048 EA 70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .... <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Electric Heating Coil, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	121,762.08 40,822.40 4,527.48 45,596.77 50,371.14 25,185.57 36,048.04 36,048.04 13,368.22 36,048.04 21,724.94 52,280.88 31,273.67 10,862.47 55,145.50 20,936.70 23,634.69 14,085.95	18,359.26

23 73 13 00-0049 Multi-Zone Units (23 73 13)  
Note: Horizontal/vertical blow-thru fan, motor and cabinet.

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 73 Indoor Central-Station Air-Handling Units**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0050	EA		1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	7,348.50	1,522.65
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,510.91	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,063.02	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,186.98	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,063.02	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,162.35	
			<i>For Automatic Roll Filter, Add</i>	3,063.02	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	734.85	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,545.65	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,545.65	
			<i>For Manual Roll Filter, Add</i>	3,063.02	
			<i>For Electric Heating Coil, Add</i>	838.32	
			<i>For 2 Coils, Independent Circuits, Add</i>	838.32	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	626.11	
23 73 13 00-0051	EA		1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	9,160.04	1,907.60
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,881.22	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,811.66	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,477.73	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,811.66	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,547.67	
			<i>For Automatic Roll Filter, Add</i>	3,811.66	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	916.00	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,168.18	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,168.18	
			<i>For Manual Roll Filter, Add</i>	3,811.66	
			<i>For Electric Heating Coil, Add</i>	1,044.70	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,044.70	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	779.74	
23 73 13 00-0052	EA		1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	11,242.77	2,030.27
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,375.67	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	4,878.45	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,871.53	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,878.45	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,670.11	
			<i>For Automatic Roll Filter, Add</i>	4,878.45	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,124.28	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	4,044.19	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	4,044.19	
			<i>For Manual Roll Filter, Add</i>	4,878.45	
			<i>For Electric Heating Coil, Add</i>	1,291.13	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,291.13	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	979.27	
23 73 13 00-0053	EA		2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	11,706.35	2,174.11
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,460.83	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	5,041.22	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,937.61	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	5,041.22	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,813.54	
			<i>For Automatic Roll Filter, Add</i>	5,041.22	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,170.64	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	4,181.09	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	4,181.09	
			<i>For Manual Roll Filter, Add</i>	5,041.22	
			<i>For Electric Heating Coil, Add</i>	1,342.66	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,342.66	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,015.38	
23 73 13 00-0054	EA		2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	13,644.68	2,330.62
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,911.73	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	6,006.26	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	2,296.09	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	6,006.26	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,970.71	
			<i>For Automatic Roll Filter, Add</i>	6,006.26	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,364.47	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	4,974.75	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	4,974.75	
			<i>For Manual Roll Filter, Add</i>	6,006.26	
			<i>For Electric Heating Coil, Add</i>	1,570.77	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,570.77	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,197.99	
23 73 13 00-0055	EA		3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	14,397.77	2,495.84
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	3,064.65	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	6,314.38	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	2,416.06	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	6,314.38	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,135.72	
			<i>For Automatic Roll Filter, Add</i>	6,314.38	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,439.78	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	5,231.14	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	5,231.14	
			<i>For Manual Roll Filter, Add</i>	6,314.38	
			<i>For Electric Heating Coil, Add</i>	1,656.43	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,656.43	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,261.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0056 EA 3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	15,188.92	2,664.94
For Combination Filter Mixing Box And Throwaway Filters, Add	3,226.22	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,640.87	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,542.91	
For Chilled Water Cooling Coil, Copper Fins, Add	6,640.87	
For Economizer, Panel, Controls And Damper(s), Add	3,304.73	
For Automatic Roll Filter, Add	6,640.87	
For Hot Water Heating Coil, Aluminum Fins, Add	1,518.89	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,502.65	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,502.65	
For Manual Roll Filter, Add	6,640.87	
For Electric Heating Coil, Add	1,746.54	
For 2 Coils, Independent Circuits, Add	1,746.54	
For Flat Filter Box And Throwaway Filters, Add	1,328.55	
23 73 13 00-0057 EA 4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	16,913.63	2,859.65
For Combination Filter Mixing Box And Throwaway Filters, Add	3,616.95	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,468.13	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,852.80	
For Chilled Water Cooling Coil, Copper Fins, Add	7,468.13	
For Automatic Roll Filter, Add	7,468.13	
For Hot Water Heating Coil, Aluminum Fins, Add	1,691.36	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,184.41	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,184.41	
For Manual Roll Filter, Add	7,468.13	
For Electric Heating Coil, Add	1,948.11	
For 2 Coils, Independent Circuits, Add	1,948.11	
For Flat Filter Box And Throwaway Filters, Add	1,487.55	
For Economizer, Panel, Controls And Damper(s), Add	2,992.00	
23 73 13 00-0058 EA 4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	18,473.53	3,062.46
For Combination Filter Mixing Box And Throwaway Filters, Add	3,962.11	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,191.62	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,125.93	
For Chilled Water Cooling Coil, Copper Fins, Add	8,191.62	
For Automatic Roll Filter, Add	8,191.62	
For Hot Water Heating Coil, Aluminum Fins, Add	1,847.35	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,781.78	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,781.78	
For Manual Roll Filter, Add	8,191.62	
For Electric Heating Coil, Add	2,129.32	
For 2 Coils, Independent Circuits, Add	2,129.32	
For Flat Filter Box And Throwaway Filters, Add	1,628.59	
For Economizer, Panel, Controls And Damper(s), Add	3,156.34	
23 73 13 00-0059 EA 5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	19,536.49	3,270.83
For Combination Filter Mixing Box And Throwaway Filters, Add	4,184.81	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,647.14	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,301.23	
For Chilled Water Cooling Coil, Copper Fins, Add	8,647.14	
For Automatic Roll Filter, Add	8,647.14	
For Hot Water Heating Coil, Aluminum Fins, Add	1,953.65	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,159.70	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,159.70	
For Manual Roll Filter, Add	8,647.14	
For Electric Heating Coil, Add	2,251.14	
For 2 Coils, Independent Circuits, Add	2,251.14	
For Flat Filter Box And Throwaway Filters, Add	1,720.55	
For Economizer, Panel, Controls And Damper(s), Add	3,314.14	
23 73 13 00-0060 EA 5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	21,517.93	3,494.42
For Combination Filter Mixing Box And Throwaway Filters, Add	4,630.32	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,587.39	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,654.32	
For Chilled Water Cooling Coil, Copper Fins, Add	9,587.39	
For Automatic Roll Filter, Add	9,587.39	
For Hot Water Heating Coil, Aluminum Fins, Add	2,151.79	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,935.03	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,935.03	
For Manual Roll Filter, Add	9,587.39	
For Electric Heating Coil, Add	2,482.26	
For 2 Coils, Independent Circuits, Add	2,482.26	
For Flat Filter Box And Throwaway Filters, Add	1,902.07	
For Economizer, Panel, Controls And Damper(s), Add	3,496.91	
23 73 13 00-0061 EA 6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	22,900.34	3,739.77
For Combination Filter Mixing Box And Throwaway Filters, Add	4,923.78	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,191.26	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,885.60	
For Chilled Water Cooling Coil, Copper Fins, Add	10,191.26	
For Automatic Roll Filter, Add	10,191.26	
For Hot Water Heating Coil, Aluminum Fins, Add	2,290.03	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,435.43	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,435.43	
For Manual Roll Filter, Add	10,191.26	
For Electric Heating Coil, Add	2,641.20	
For 2 Coils, Independent Circuits, Add	2,641.20	
For Flat Filter Box And Throwaway Filters, Add	2,022.93	
For Economizer, Panel, Controls And Damper(s), Add	3,688.13	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0062	EA		6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	25,101.25	4,061.04
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	5,405.79	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	11,197.11	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	4,266.66	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	11,197.11	
			<i>For Automatic Roll Filter, Add</i>	11,197.11	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,510.13	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	9,266.67	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	9,266.67	
			<i>For Manual Roll Filter, Add</i>	11,197.11	
			<i>For Electric Heating Coil, Add</i>	2,896.21	
			<i>For 2 Coils, Independent Circuits, Add</i>	2,896.21	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,220.28	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,938.26	
23 73 13 00-0063	EA		7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	26,973.39	4,374.20
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	5,806.42	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	12,024.57	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	4,582.67	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	12,024.57	
			<i>For Automatic Roll Filter, Add</i>	12,024.57	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,697.34	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	9,951.85	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	9,951.85	
			<i>For Manual Roll Filter, Add</i>	12,024.57	
			<i>For Electric Heating Coil, Add</i>	3,111.88	
			<i>For 2 Coils, Independent Circuits, Add</i>	3,111.88	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,385.03	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,185.42	
23 73 13 00-0064	EA		7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	28,343.01	4,729.42
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	6,074.34	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	12,554.41	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	4,792.04	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	12,554.41	
			<i>For Automatic Roll Filter, Add</i>	12,554.41	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,834.30	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,637.10	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	10,394.39	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	10,394.39	
			<i>For Manual Roll Filter, Add</i>	12,554.41	
			<i>For Electric Heating Coil, Add</i>	3,266.31	
			<i>For 2 Coils, Independent Circuits, Add</i>	3,266.31	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,497.16	
23 73 13 00-0065	EA		8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	31,414.38	5,101.44
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	6,759.80	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	13,996.53	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	5,334.92	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	13,996.53	
			<i>For Automatic Roll Filter, Add</i>	13,996.53	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	3,141.44	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,856.78	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	11,584.29	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	11,584.29	
			<i>For Manual Roll Filter, Add</i>	13,996.53	
			<i>For Electric Heating Coil, Add</i>	3,623.89	
			<i>For 2 Coils, Independent Circuits, Add</i>	3,623.89	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,776.84	
23 73 13 00-0066	EA		8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	33,115.26	5,499.08
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	7,099.65	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	14,675.91	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	5,601.11	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	14,675.91	
			<i>For Automatic Roll Filter, Add</i>	14,675.91	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	3,311.53	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,084.43	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	12,150.49	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	12,150.49	
			<i>For Manual Roll Filter, Add</i>	14,675.91	
			<i>For Electric Heating Coil, Add</i>	3,816.61	
			<i>For 2 Coils, Independent Circuits, Add</i>	3,816.61	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,918.47	
23 73 13 00-0067	EA		9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	34,996.96	5,956.18
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	7,476.99	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	15,431.57	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	5,896.77	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	15,431.57	
			<i>For Automatic Roll Filter, Add</i>	15,431.57	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	3,499.70	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,332.68	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	12,780.04	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	12,780.04	
			<i>For Manual Roll Filter, Add</i>	15,431.57	
			<i>For Electric Heating Coil, Add</i>	4,030.00	
			<i>For 2 Coils, Independent Circuits, Add</i>	4,030.00	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	3,075.61	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0068 EA 10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	37,032.23	6,429.61
For Combination Filter Mixing Box And Throwaway Filters, Add	7,879.38	
For Direct Expansion Cooling Coil, Copper Fins, Add	16,231.69	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,211.59	
For Chilled Water Cooling Coil, Copper Fins, Add	16,231.69	
For Automatic Roll Filter, Add	16,231.69	
For Hot Water Heating Coil, Aluminum Fins, Add	3,703.22	
For Economizer, Panel, Controls And Damper(s), Add	3,937.36	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,447.59	
For Chilled Water Cooling Coil, Aluminum Fins, Add	13,447.59	
For Manual Roll Filter, Add	16,231.69	
For Electric Heating Coil, Add	4,260.04	
For 2 Coils, Independent Circuits, Add	4,260.04	
For Flat Filter Box And Throwaway Filters, Add	3,243.66	
23 73 13 00-0069 EA 11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	38,094.92	6,675.33
For Combination Filter Mixing Box And Throwaway Filters, Add	8,089.93	
For Direct Expansion Cooling Coil, Copper Fins, Add	16,650.80	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,376.36	
For Chilled Water Cooling Coil, Copper Fins, Add	16,650.80	
For Automatic Roll Filter, Add	16,650.80	
For Hot Water Heating Coil, Aluminum Fins, Add	3,809.49	
For Economizer, Panel, Controls And Damper(s), Add	4,047.60	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,797.18	
For Chilled Water Cooling Coil, Aluminum Fins, Add	13,797.18	
For Manual Roll Filter, Add	16,650.80	
For Electric Heating Coil, Add	4,380.22	
For 2 Coils, Independent Circuits, Add	4,380.22	
For Flat Filter Box And Throwaway Filters, Add	3,331.56	
23 73 13 00-0070 EA 12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	39,102.40	6,913.55
For Combination Filter Mixing Box And Throwaway Filters, Add	8,294.96	
For Direct Expansion Cooling Coil, Copper Fins, Add	17,064.40	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,537.26	
For Chilled Water Cooling Coil, Copper Fins, Add	17,064.40	
For Automatic Roll Filter, Add	17,064.40	
For Hot Water Heating Coil, Aluminum Fins, Add	3,910.24	
For Economizer, Panel, Controls And Damper(s), Add	4,141.28	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	14,141.25	
For Chilled Water Cooling Coil, Aluminum Fins, Add	14,141.25	
For Manual Roll Filter, Add	17,064.40	
For Electric Heating Coil, Add	4,494.87	
For 2 Coils, Independent Circuits, Add	4,494.87	
For Flat Filter Box And Throwaway Filters, Add	3,416.69	
23 73 13 00-0071 EA 13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	44,059.39	7,191.41
For Combination Filter Mixing Box And Throwaway Filters, Add	9,469.71	
For Direct Expansion Cooling Coil, Copper Fins, Add	19,597.25	
For Medium Capacity Filter Box And Throwaway Filters, Add	7,472.76	
For Chilled Water Cooling Coil, Copper Fins, Add	19,597.25	
For Automatic Roll Filter, Add	19,597.25	
For Hot Water Heating Coil, Aluminum Fins, Add	4,405.94	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,221.40	
For Chilled Water Cooling Coil, Aluminum Fins, Add	16,221.40	
For Manual Roll Filter, Add	19,597.25	
For Electric Heating Coil, Add	5,081.11	
For 2 Coils, Independent Circuits, Add	5,081.11	
For Economizer, Panel, Controls And Damper(s), Add	3,460.18	
For Flat Filter Box And Throwaway Filters, Add	3,890.89	
23 73 13 00-0072 EA 15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	48,970.90	7,476.29
For Combination Filter Mixing Box And Throwaway Filters, Add	10,639.91	
For Direct Expansion Cooling Coil, Copper Fins, Add	22,125.55	
For Medium Capacity Filter Box And Throwaway Filters, Add	8,405.07	
For Chilled Water Cooling Coil, Copper Fins, Add	22,125.55	
For Automatic Roll Filter, Add	22,125.55	
For Hot Water Heating Coil, Aluminum Fins, Add	4,897.09	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	18,297.00	
For Chilled Water Cooling Coil, Aluminum Fins, Add	18,297.00	
For Manual Roll Filter, Add	22,125.55	
For Electric Heating Coil, Add	5,662.80	
For 2 Coils, Independent Circuits, Add	5,662.80	
For Flat Filter Box And Throwaway Filters, Add	4,362.82	
For Economizer, Panel, Controls And Damper(s), Add	3,604.95	
23 73 13 00-0073 EA 16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	56,104.62	7,758.27
For Combination Filter Mixing Box And Throwaway Filters, Add	12,364.58	
For Direct Expansion Cooling Coil, Copper Fins, Add	25,872.82	
For Medium Capacity Filter Box And Throwaway Filters, Add	9,780.89	
For Chilled Water Cooling Coil, Copper Fins, Add	25,872.82	
For Automatic Roll Filter, Add	25,872.82	
For Hot Water Heating Coil, Aluminum Fins, Add	5,610.46	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	21,370.07	
For Chilled Water Cooling Coil, Aluminum Fins, Add	21,370.07	
For Manual Roll Filter, Add	25,872.82	
For Electric Heating Coil, Add	6,511.01	
For 2 Coils, Independent Circuits, Add	6,511.01	
For Flat Filter Box And Throwaway Filters, Add	5,056.60	
For Economizer, Panel, Controls And Damper(s), Add	3,673.50	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 73 Indoor Central-Station Air-Handling Units**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0074	EA		17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	63,243.89	8,037.46
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	14,089.81	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	29,620.64	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	11,157.10	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	29,620.64	
			<i>For Automatic Roll Filter, Add</i>	29,620.64	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	6,324.39	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	24,443.70	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	24,443.70	
			<i>For Manual Roll Filter, Add</i>	29,620.64	
			<i>For Electric Heating Coil, Add</i>	7,359.78	
			<i>For 2 Coils, Independent Circuits, Add</i>	7,359.78	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	5,750.67	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,743.03	
23 73 13 00-0075	EA		20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	70,941.26	8,714.31
			<i>For Automatic Roll Filter, Add</i>	30,492.24	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	12,943.65	
			<i>For Electric Heating Coil, Add</i>	8,264.03	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	30,492.24	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	24,642.71	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	6,471.83	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	24,642.71	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	7,094.13	
			<i>For Manual Roll Filter, Add</i>	24,642.71	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	9,645.51	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	30,492.24	
			<i>For 2 Coils, Independent Circuits, Add</i>	8,264.03	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	15,868.42	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,913.05	
23 73 13 00-0076	EA		22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	76,517.18	9,475.74
			<i>For Automatic Roll Filter, Add</i>	32,873.56	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	13,957.18	
			<i>For Electric Heating Coil, Add</i>	8,912.81	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,784.39	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	32,873.56	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	26,568.10	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	6,978.59	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	26,568.10	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	7,651.72	
			<i>For Manual Roll Filter, Add</i>	26,568.10	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	10,400.57	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	32,873.56	
			<i>For 2 Coils, Independent Circuits, Add</i>	8,912.81	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	17,109.91	
23 73 13 00-0077	EA		25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	91,062.28	10,236.83
			<i>For Automatic Roll Filter, Add</i>	39,682.86	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	16,750.39	
			<i>For Electric Heating Coil, Add</i>	10,635.06	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,958.10	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	39,682.86	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	32,038.71	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	8,375.19	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	32,038.71	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	9,106.23	
			<i>For Manual Roll Filter, Add</i>	32,038.71	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	12,489.69	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	39,682.86	
			<i>For 2 Coils, Independent Circuits, Add</i>	10,635.06	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	20,572.47	
23 73 13 00-0078	EA		27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	102,826.08	11,083.24
			<i>For Automatic Roll Filter, Add</i>	45,088.75	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	18,984.14	
			<i>For Electric Heating Coil, Add</i>	12,022.92	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,136.61	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	45,088.75	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	36,387.22	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	9,492.07	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	36,387.22	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	10,282.61	
			<i>For Manual Roll Filter, Add</i>	36,387.22	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	14,159.05	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	45,088.75	
			<i>For 2 Coils, Independent Circuits, Add</i>	12,022.92	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	23,334.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0079 EA 30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	111,437.72	11,929.65
For Automatic Roll Filter, Add	48,898.93	
For Steam Heating Coil, Aluminum Fins, Add	20,562.56	
For Electric Heating Coil, Add	13,031.53	
For Economizer, Panel, Controls And Damper(s), Add	4,322.47	
For Chilled Water Cooling Coil, Copper Fins, Add	48,898.93	
For Chilled Water Cooling Coil, Aluminum Fins, Add	39,460.14	
For Flat Filter Box And Throwaway Filters, Add	10,291.28	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	39,460.14	
For Hot Water Heating Coil, Aluminum Fins, Add	11,143.77	
For Manual Roll Filter, Add	39,460.14	
For Medium Capacity Filter Box And Throwaway Filters, Add	15,351.67	
For Direct Expansion Cooling Coil, Copper Fins, Add	48,898.93	
For 2 Coils, Independent Circuits, Add	13,031.53	
For Combination Filter Mixing Box And Throwaway Filters, Add	25,301.96	
23 73 13 00-0080 EA 32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	124,690.29	13,959.45
For Automatic Roll Filter, Add	54,376.09	
For Steam Heating Coil, Aluminum Fins, Add	22,945.80	
For Electric Heating Coil, Add	14,564.38	
For Chilled Water Cooling Coil, Copper Fins, Add	54,376.09	
For Chilled Water Cooling Coil, Aluminum Fins, Add	43,899.33	
For Economizer, Panel, Controls And Damper(s), Add	4,320.33	
For Flat Filter Box And Throwaway Filters, Add	11,472.90	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	43,899.33	
For Hot Water Heating Coil, Aluminum Fins, Add	12,469.03	
For Manual Roll Filter, Add	43,899.33	
For Medium Capacity Filter Box And Throwaway Filters, Add	17,109.73	
For Direct Expansion Cooling Coil, Copper Fins, Add	54,376.09	
For 2 Coils, Independent Circuits, Add	14,564.38	
For Combination Filter Mixing Box And Throwaway Filters, Add	28,184.18	
23 73 13 00-0081 EA 35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	125,435.42	14,467.43
For Automatic Roll Filter, Add	54,450.61	
For Steam Heating Coil, Aluminum Fins, Add	23,020.31	
For Electric Heating Coil, Add	14,638.90	
For Chilled Water Cooling Coil, Copper Fins, Add	54,450.61	
For Chilled Water Cooling Coil, Aluminum Fins, Add	43,973.84	
For Economizer, Panel, Controls And Damper(s), Add	4,413.47	
For Flat Filter Box And Throwaway Filters, Add	11,510.15	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	43,973.84	
For Hot Water Heating Coil, Aluminum Fins, Add	12,543.54	
For Manual Roll Filter, Add	43,973.84	
For Medium Capacity Filter Box And Throwaway Filters, Add	17,161.89	
For Direct Expansion Cooling Coil, Copper Fins, Add	54,450.61	
For 2 Coils, Independent Circuits, Add	14,638.90	
For Combination Filter Mixing Box And Throwaway Filters, Add	28,258.69	
23 73 13 00-0082 EA 37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	131,160.25	14,974.58
For Automatic Roll Filter, Add	57,014.97	
For Steam Heating Coil, Aluminum Fins, Add	24,090.76	
For Electric Heating Coil, Add	15,310.97	
For Chilled Water Cooling Coil, Copper Fins, Add	57,014.97	
For Chilled Water Cooling Coil, Aluminum Fins, Add	46,040.23	
For Economizer, Panel, Controls And Damper(s), Add	4,506.61	
For Flat Filter Box And Throwaway Filters, Add	12,045.38	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	46,040.23	
For Hot Water Heating Coil, Aluminum Fins, Add	13,116.03	
For Manual Roll Filter, Add	46,040.23	
For Medium Capacity Filter Box And Throwaway Filters, Add	17,961.01	
For Direct Expansion Cooling Coil, Copper Fins, Add	57,014.97	
For 2 Coils, Independent Circuits, Add	15,310.97	
For Combination Filter Mixing Box And Throwaway Filters, Add	29,578.13	
23 73 13 00-0083 EA 40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	137,320.20	16,074.92
For Automatic Roll Filter, Add	59,480.56	
For Steam Heating Coil, Aluminum Fins, Add	25,169.16	
For Electric Heating Coil, Add	16,019.45	
For Chilled Water Cooling Coil, Copper Fins, Add	59,480.56	
For Chilled Water Cooling Coil, Aluminum Fins, Add	48,043.43	
For Economizer, Panel, Controls And Damper(s), Add	4,698.61	
For Flat Filter Box And Throwaway Filters, Add	12,584.58	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	48,043.43	
For Hot Water Heating Coil, Aluminum Fins, Add	13,732.02	
For Manual Roll Filter, Add	48,043.43	
For Medium Capacity Filter Box And Throwaway Filters, Add	18,762.12	
For Direct Expansion Cooling Coil, Copper Fins, Add	59,480.56	
For 2 Coils, Independent Circuits, Add	16,019.45	
For Combination Filter Mixing Box And Throwaway Filters, Add	30,887.72	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 73 Indoor Central-Station Air-Handling Units**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0084	EA		45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	147,879.25	16,920.97
			<i>For Automatic Roll Filter, Add</i>	64,313.28	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	27,169.26	
			<i>For Electric Heating Coil, Add</i>	17,264.19	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	64,313.28	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	51,931.94	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,838.23	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	13,584.63	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	51,931.94	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	14,787.93	
			<i>For Manual Roll Filter, Add</i>	51,931.94	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	20,256.62	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	64,313.28	
			<i>For 2 Coils, Independent Circuits, Add</i>	17,264.19	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	33,359.93	
23 73 13 00-0085	EA		50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	158,919.46	17,851.63
			<i>For Automatic Roll Filter, Add</i>	69,245.85	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,453.47	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	29,230.42	
			<i>For Electric Heating Coil, Add</i>	18,559.64	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	69,245.85	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	55,907.37	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	14,615.21	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	55,907.37	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	15,891.95	
			<i>For Manual Roll Filter, Add</i>	55,907.37	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	21,795.14	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	69,245.85	
			<i>For 2 Coils, Independent Circuits, Add</i>	18,559.64	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	35,899.66	
23 73 13 00-0086	EA		55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	171,114.71	18,951.50
			<i>For Automatic Roll Filter, Add</i>	74,733.69	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,605.92	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	31,517.03	
			<i>For Electric Heating Coil, Add</i>	19,992.58	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	74,733.69	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	60,328.13	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	15,758.51	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	60,328.13	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	17,111.47	
			<i>For Manual Roll Filter, Add</i>	60,328.13	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	23,502.47	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	74,733.69	
			<i>For 2 Coils, Independent Circuits, Add</i>	19,992.58	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	38,719.80	
23 73 13 00-0087	EA		60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	183,348.81	19,459.12
			<i>For Automatic Roll Filter, Add</i>	80,574.63	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,674.94	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	33,894.82	
			<i>For Electric Heating Coil, Add</i>	21,446.87	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	80,574.63	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	65,014.70	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	16,947.41	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	65,014.70	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	18,334.88	
			<i>For Manual Roll Filter, Add</i>	65,014.70	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	25,282.37	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	80,574.63	
			<i>For 2 Coils, Independent Circuits, Add</i>	21,446.87	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	41,674.79	
23 73 13 00-0088			<b>Return/Supply Air Fan</b> <small>(23 73 13)</small>		
			Note: Includes vibration mounts.		
23 73 13 00-0089	EA		300 CFM Return Air Fan.....	3,333.54	676.71
23 73 13 00-0090	EA		500 CFM Return Air Fan.....	4,313.54	812.08
23 73 13 00-0091	EA		750 CFM Return Air Fan.....	4,505.30	845.93
23 73 13 00-0092	EA		1,000 CFM Return Air Fan.....	5,132.91	896.69
23 73 13 00-0093	EA		1,250 CFM Return Air Fan.....	5,291.26	939.00
23 73 13 00-0094	EA		1,500 CFM Return Air Fan.....	5,416.83	981.30
23 73 13 00-0095	EA		1,750 CFM Return Air Fan.....	5,685.37	1,032.06
23 73 13 00-0096	EA		2,000 CFM Return Air Fan.....	6,312.96	1,082.82
23 73 13 00-0097	EA		2,250 CFM Return Air Fan.....	6,614.02	1,133.59
23 73 13 00-0098	EA		2,500 CFM Return Air Fan.....	6,784.51	1,184.34
23 73 13 00-0099	EA		3,000 CFM Return Air Fan.....	7,193.97	1,311.26
23 73 13 00-0100	EA		3,500 CFM Return Air Fan.....	7,388.83	1,378.94
23 73 13 00-0101	EA		4,000 CFM Return Air Fan.....	7,571.33	1,438.16
23 73 13 00-0102	EA		4,500 CFM Return Air Fan.....	7,798.83	1,505.97
23 73 13 00-0103	EA		5,000 CFM Return Air Fan.....	8,005.40	1,582.12
23 73 13 00-0104	EA		5,500 CFM Return Air Fan.....	8,401.67	1,768.24
23 73 13 00-0105	EA		6,000 CFM Return Air Fan.....	9,558.53	2,098.20
23 73 13 00-0106	EA		6,500 CFM Return Air Fan.....	9,803.48	2,132.04
23 73 13 00-0107	EA		7,000 CFM Return Air Fan.....	9,912.97	2,140.50
23 73 13 00-0108	EA		8,000 CFM Return Air Fan.....	10,419.11	2,174.35
23 73 13 00-0109	EA		9,000 CFM Return Air Fan.....	10,647.26	2,199.73
23 73 13 00-0110	EA		10,000 CFM Return Air Fan.....	11,196.69	2,284.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0111 EA 12,500 CFM Return Air Fan.....	11,907.87	2,326.51
23 73 13 00-0112 EA 15,000 CFM Return Air Fan.....	13,407.88	2,392.63
23 73 13 00-0113 EA 17,500 CFM Return Air Fan.....	14,603.25	2,521.10
23 73 13 00-0114 EA 20,000 CFM Return Air Fan.....	17,306.29	2,630.85
23 73 13 00-0115 EA 22,500 CFM Return Air Fan.....	18,131.26	2,722.59
23 73 13 00-0116 EA 25,000 CFM Return Air Fan.....	18,946.07	2,800.43
23 73 13 00-0117 EA 27,500 CFM Return Air Fan.....	20,100.42	3,079.62
23 73 13 00-0118 EA 30,000 CFM Return Air Fan.....	21,483.56	3,248.58
23 73 13 00-0119 EA 35,000 CFM Return Air Fan.....	24,191.96	3,383.83
23 73 13 00-0120 EA 40,000 CFM Return Air Fan.....	28,462.55	3,722.25
23 73 13 00-0121 EA 45,000 CFM Return Air Fan.....	34,965.04	4,229.88
23 73 13 00-0122 EA 50,000 CFM Return Air Fan.....	42,431.01	4,382.53
23 73 13 00-0123 EA 55,000 CFM Return Air Fan.....	44,401.50	4,509.08
23 73 13 00-0124 EA 60,000 CFM Return Air Fan.....	45,426.35	4,627.53
23 73 13 00-0125 EA 65,000 CFM Return Air Fan.....	47,635.33	4,830.46
23 73 13 00-0126 EA 70,000 CFM Return Air Fan.....	50,032.55	5,068.32
23 73 13 00-0127 EA 75,000 CFM Return Air Fan.....	53,791.58	5,316.93
23 73 13 00-0128 EA 80,000 CFM Return Air Fan.....	56,185.54	5,598.79
23 73 13 00-0129 EA 90,000 CFM Return Air Fan.....	58,037.00	5,917.63
23 73 13 00-0130 EA 100,000 CFM Return Air Fan.....	62,373.11	6,188.48
23 73 13 00-0131 EA 115,000 CFM Return Air Fan.....	67,072.65	6,484.48
23 73 13 00-0132 EA 130,000 CFM Return Air Fan.....	72,173.85	6,811.18
23 73 13 00-0133 EA 150,000 CFM Return Air Fan.....	78,923.93	7,174.01

**23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit (23 73 13)**  
 Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73 13 00-0135 EA Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit.....	3,099.08
23 73 13 00-0136 EA Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit.....	4,203.97
23 73 13 00-0137 EA Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit.....	5,229.69
23 73 13 00-0138 EA Removal And Reinstallation Of >22,000 CFM Air Handling Unit.....	9,541.90

**23 74 Packaged Outdoor HVAC Equipment (23 70)**

**23 74 16 Packaged Rooftop Air-Conditioning Units (23 74)**

**23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units (23 74 16)**

**23 74 16 13-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units (23 74 16 13)**

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0002 EA 2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	4,690.09	1,634.67
For Unit Without Heat, Deduct	-343.48	
For Unit Without Factory Installed Economizer, Deduct	-1,021.68	
For Unit Without Roof Curb, Deduct	-647.77	
23 74 16 13-0003 EA 3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	6,043.91	1,708.97
For Unit Without Heat, Deduct	-416.13	
For Unit Without Factory Installed Economizer, Deduct	-1,021.68	
For Unit Without Roof Curb, Deduct	-647.77	
23 74 16 13-0004 EA 4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	7,039.37	1,783.28
For Unit Without Heat, Deduct	-470.85	
For Unit Without Factory Installed Economizer, Deduct	-1,021.68	
For Unit Without Roof Curb, Deduct	-647.77	
23 74 16 13-0005 EA 5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	8,353.40	1,894.73
For Unit Without Heat, Deduct	-543.99	
For Unit Without Factory Installed Economizer, Deduct	-1,021.68	
For Unit Without Roof Curb, Deduct	-647.77	
23 74 16 13-0006 EA 6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	9,092.41	2,006.18
For Unit Without Heat, Deduct	-588.37	
For Unit Without Factory Installed Economizer, Deduct	-1,021.68	
For Unit Without Roof Curb, Deduct	-647.77	
23 74 16 13-0007 EA 7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	10,176.18	2,154.79
For Unit Without Heat, Deduct	-652.46	
For Unit Without Factory Installed Economizer, Deduct	-1,042.79	
For Unit Without Roof Curb, Deduct	-777.31	
23 74 16 13-0008 EA 8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	10,915.18	2,266.25
For Unit Without Heat, Deduct	-696.84	
For Unit Without Factory Installed Economizer, Deduct	-1,042.79	
For Unit Without Roof Curb, Deduct	-777.31	
23 74 16 13-0009 EA 10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	11,998.94	2,414.85
For Unit Without Heat, Deduct	-760.94	
For Unit Without Factory Installed Economizer, Deduct	-1,066.41	
For Unit Without Roof Curb, Deduct	-777.31	
23 74 16 13-0010 EA 12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	14,492.29	2,609.53
For Unit Without Heat, Deduct	-898.61	
For Unit Without Factory Installed Economizer, Deduct	-1,151.72	
For Unit Without Roof Curb, Deduct	-777.31	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 74 Packaged Outdoor HVAC Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0011	EA		15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	16,985.65	2,804.95
			<i>For Unit Without Heat, Deduct</i>	-1,036.28	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
			<i>For Unit Without Roof Curb, Deduct</i>	-777.31	
23 74 16 13-0012	EA		17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	19,401.99	2,999.86
			<i>For Unit Without Heat, Deduct</i>	-1,170.10	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
			<i>For Unit Without Roof Curb, Deduct</i>	-777.31	
23 74 16 13-0013	EA		20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	21,818.32	3,195.04
			<i>For Unit Without Heat, Deduct</i>	-1,303.92	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
			<i>For Unit Without Roof Curb, Deduct</i>	-777.31	
23 74 16 13-0014	EA		22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	24,459.38	3,519.99
			<i>For Unit Without Heat, Deduct</i>	-1,457.64	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
			<i>For Unit Without Roof Curb, Deduct</i>	-777.31	
23 74 16 13-0015	EA		25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	27,100.43	3,845.19
			<i>For Unit Without Heat, Deduct</i>	-1,611.37	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
			<i>For Unit Without Roof Curb, Deduct</i>	-777.31	
23 74 16 13-0016	EA		27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	29,842.37	4,207.54
			<i>For Unit Without Heat, Deduct</i>	-1,772.61	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,244.73	
23 74 16 13-0017	EA		30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	32,584.30	4,569.64
			<i>For Unit Without Heat, Deduct</i>	-1,933.86	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,244.73	
23 74 16 13-0018	EA		35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	37,963.67	5,331.25
			<i>For Unit Without Heat, Deduct</i>	-2,253.60	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,244.73	
23 74 16 13-0019	EA		40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	43,343.04	6,092.86
			<i>For Unit Without Heat, Deduct</i>	-2,573.34	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,892.80	
23 74 16 13-0020	EA		45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	47,669.05	6,873.03
			<i>For Unit Without Heat, Deduct</i>	-2,841.66	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,892.80	
23 74 16 13-0021	EA		50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	51,995.05	7,653.22
			<i>For Unit Without Heat, Deduct</i>	-3,109.97	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,892.80	
23 74 16 13-0022	EA		55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	57,246.99	8,396.25
			<i>For Unit Without Heat, Deduct</i>	-3,422.10	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,354.11	
23 74 16 13-0023	EA		60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	62,498.91	9,139.28
			<i>For Unit Without Heat, Deduct</i>	-3,734.23	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,354.11	
23 74 16 13-0024	EA		65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	67,596.82	9,882.32
			<i>For Unit Without Heat, Deduct</i>	-4,038.66	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,279.80	
23 74 16 13-0025	EA		70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	72,694.72	10,625.35
			<i>For Unit Without Heat, Deduct</i>	-4,343.09	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,279.80	
23 74 16 13-0026	EA		75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	77,891.71	11,442.69
			<i>For Unit Without Heat, Deduct</i>	-4,657.43	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,537.40	
23 74 16 13-0027			<b>Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units</b> <small>(23 74 16 13)</small>		
			Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.		
23 74 16 13-0028	EA		2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,736.49	1,486.06
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,021.68	
			<i>For Unit Without Roof Curb, Deduct</i>	-647.77	
23 74 16 13-0029	EA		3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit.....	5,399.61	1,708.97
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,021.68	
			<i>For Unit Without Roof Curb, Deduct</i>	-647.77	
23 74 16 13-0030	EA		4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit.....	6,661.13	1,969.03
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,021.68	
			<i>For Unit Without Roof Curb, Deduct</i>	-647.77	
23 74 16 13-0031	EA		5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit.....	7,639.52	2,117.64
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,021.68	
			<i>For Unit Without Roof Curb, Deduct</i>	-647.77	
23 74 16 13-0032	EA		6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit.....	8,561.95	2,284.82
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,021.68	
			<i>For Unit Without Roof Curb, Deduct</i>	-647.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0033 EA 7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit.....	9,356.28	2,396.28
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,042.79	
<i>For Unit Without Roof Curb, Deduct</i>	-777.31	
23 74 16 13-0034 EA 8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit.....	11,191.36	1,987.61
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,042.79	
<i>For Unit Without Roof Curb, Deduct</i>	-777.31	
23 74 16 13-0035 EA 10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit.....	13,978.79	2,674.91
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,066.41	
<i>For Unit Without Roof Curb, Deduct</i>	-777.31	
23 74 16 13-0036 EA 12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit.....	15,271.48	2,897.82
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,151.72	
<i>For Unit Without Roof Curb, Deduct</i>	-777.31	
23 74 16 13-0037 EA 15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	18,474.43	3,120.73
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
<i>For Unit Without Roof Curb, Deduct</i>	-777.31	
23 74 16 13-0038 EA 17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit.....	19,524.98	3,343.65
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
<i>For Unit Without Roof Curb, Deduct</i>	-777.31	
23 74 16 13-0039 EA 20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit.....	29,938.48	3,566.55
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
<i>For Unit Without Roof Curb, Deduct</i>	-777.31	
23 74 16 13-0040 EA 22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit.....	36,568.18	3,938.07
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
<i>For Unit Without Roof Curb, Deduct</i>	-777.31	
23 74 16 13-0041 EA 25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit.....	43,197.87	4,260.04
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
<i>For Unit Without Roof Curb, Deduct</i>	-777.31	
23 74 16 13-0042 EA 27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit.....	44,500.37	4,681.10
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
<i>For Unit Without Roof Curb, Deduct</i>	-1,244.73	
23 74 16 13-0043 EA 30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit.....	45,802.88	5,052.62
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
<i>For Unit Without Roof Curb, Deduct</i>	-1,244.73	
23 74 16 13-0044 EA 35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit.....	51,300.81	5,907.10
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
<i>For Unit Without Roof Curb, Deduct</i>	-1,244.73	
23 74 16 13-0045 EA 40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit.....	56,798.73	6,761.59
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
<i>For Unit Without Roof Curb, Deduct</i>	-1,892.80	
23 74 16 13-0046 EA 45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit.....	61,220.45	7,616.07
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
<i>For Unit Without Roof Curb, Deduct</i>	-1,892.80	
23 74 16 13-0047 EA 50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit.....	65,642.17	8,470.56
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
<i>For Unit Without Roof Curb, Deduct</i>	-1,892.80	
23 74 16 13-0048 EA 55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit.....	71,893.44	9,325.05
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
<i>For Unit Without Roof Curb, Deduct</i>	-2,354.11	
23 74 16 13-0049 EA 60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit.....	78,144.70	10,179.53
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
<i>For Unit Without Roof Curb, Deduct</i>	-2,354.11	
23 74 16 13-0050 EA 65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit.....	83,691.78	10,606.77
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
<i>For Unit Without Roof Curb, Deduct</i>	-2,279.80	
23 74 16 13-0051 EA 70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit.....	89,214.10	11,015.44
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
<i>For Unit Without Roof Curb, Deduct</i>	-2,279.80	
23 74 16 13-0052 EA 75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit.....	94,761.19	11,442.69
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
<i>For Unit Without Roof Curb, Deduct</i>	-2,537.40	
23 74 16 13-0053 EA 80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit.....	100,333.03	11,888.50
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
<i>For Unit Without Roof Curb, Deduct</i>	-2,537.40	
23 74 16 13-0054 EA 90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	136,469.22	13,968.98
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
<i>For Unit Without Roof Curb, Deduct</i>	-2,537.40	
23 74 16 13-0055 EA 100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit.....	157,212.22	17,015.42
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,177.09	
<i>For Unit Without Roof Curb, Deduct</i>	-2,537.40	

**23 74 16 13-0056**

**AAON Rooftop Units** (23 74 16 13)

Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

**23 74 16 13-0057**

**AAON RQ Rooftop Units** (23 74 16 13-0056)

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0058 EA 2 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-002) .....	10,876.46	1,486.06
For Factory Installed And Wired Dry Bulb Economizer, Add	1,126.32	
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,221.98	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	962.06	
For Factory Installed Non-Fused Disconnect, Add	1,101.05	
For Factory Installed Exhaust Fan, Add	5,613.55	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,310.43	
23 74 16 13-0059 EA 3 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-003) .....	11,877.62	1,708.97
For Factory Installed And Wired Dry Bulb Economizer, Add	1,207.54	
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,310.43	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,030.66	
For Factory Installed Non-Fused Disconnect, Add	1,180.47	
For Factory Installed Exhaust Fan, Add	5,613.55	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,310.43	
23 74 16 13-0060 EA 4 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-004) .....	12,385.02	1,969.03
For Factory Installed And Wired Dry Bulb Economizer, Add	1,207.54	
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,310.43	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,030.66	
For Factory Installed Non-Fused Disconnect, Add	1,180.47	
For Factory Installed Exhaust Fan, Add	5,613.55	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,310.43	
23 74 16 13-0061 EA 5 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-005) .....	12,725.75	2,117.64
For Factory Installed And Wired Dry Bulb Economizer, Add	1,207.54	
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,310.43	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,030.66	
For Factory Installed Non-Fused Disconnect, Add	1,180.47	
For Factory Installed Exhaust Fan, Add	5,613.55	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,310.43	
23 74 16 13-0062 EA 6 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-006) .....	13,914.33	2,582.08
For Factory Installed And Wired Dry Bulb Economizer, Add	1,207.54	
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,310.43	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,030.66	
For Factory Installed Non-Fused Disconnect, Add	1,180.47	
For Factory Installed Exhaust Fan, Add	5,613.55	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,310.43	
<b>23 74 16 13-0063</b> <b>AAON RNA Rooftop Units</b> <small>(23 74 16 13-0056)</small>		
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.		
23 74 16 13-0064 EA 6 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-006) .....	16,731.94	2,284.87
For Factory Installed And Wired Dry Bulb Economizer, Add	1,175.06	
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,805.00	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,203.94	
For Factory Installed Non-Fused Disconnect, Add	1,111.88	
For Factory Installed Exhaust Fan, Add	2,998.10	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,021.63	
23 74 16 13-0065 EA 7 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-007) .....	17,853.44	2,396.33
For Factory Installed And Wired Dry Bulb Economizer, Add	1,175.06	
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,805.00	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,203.94	
For Factory Installed Non-Fused Disconnect, Add	1,111.88	
For Factory Installed Exhaust Fan, Add	2,998.10	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,021.63	
23 74 16 13-0066 EA 8 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-008) .....	20,462.06	2,582.08
For Factory Installed And Wired Dry Bulb Economizer, Add	1,175.06	
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,805.00	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,203.94	
For Factory Installed Non-Fused Disconnect, Add	1,111.88	
For Factory Installed Exhaust Fan, Add	2,998.10	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,021.63	
23 74 16 13-0067 EA 10 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-010) .....	20,681.56	2,674.91
For Factory Installed And Wired Dry Bulb Economizer, Add	1,175.06	
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,805.00	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,203.94	
For Factory Installed Non-Fused Disconnect, Add	1,111.88	
For Factory Installed Exhaust Fan, Add	2,998.10	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,021.63	
<b>23 74 16 13-0068</b> <b>AAON RNB Rooftop Units</b> <small>(23 74 16 13-0056)</small>		
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.		
23 74 16 13-0069 EA 9 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-009) .....	24,426.93	2,674.91
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,731.00	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,353.75	
For Factory Installed Non-Fused Disconnect, Add	1,073.98	
For Factory Installed Exhaust Fan, Add	2,859.12	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,027.04	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0070 EA 11 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-011) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	24,593.20 1,731.00 1,353.75 1,073.98 2,859.12 1,027.04	2,600.61
23 74 16 13-0071 EA 13 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-013) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	26,826.97 1,731.00 1,353.75 1,073.98 2,859.12 1,027.04	2,897.82
23 74 16 13-0072 EA 15 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-015) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	27,542.94 1,731.00 1,353.75 1,073.98 2,859.12 1,027.04	3,120.73
<b>23 74 16 13-0073 AAON RNC Rooftop Units</b> <small>(23 74 16 13-0056)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0074 EA 16 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-016) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	35,290.00 2,555.88 1,805.00 1,073.98 5,243.52 467.50	3,120.73
23 74 16 13-0075 EA 18 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-018) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	38,117.82 2,555.88 1,805.00 1,073.98 5,243.52 467.50	3,343.65
23 74 16 13-0076 EA 20 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-020) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	40,395.12 2,555.88 1,805.00 1,073.98 5,243.52 467.50	3,566.55
23 74 16 13-0077 EA 25 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-025) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	43,799.12 2,555.88 1,805.00 1,073.98 5,243.52 467.50	4,309.58
23 74 16 13-0078 EA 30 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-030) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	49,708.46 2,555.88 1,805.00 1,073.98 5,243.52 467.50	5,052.62
<b>23 74 16 13-0079 AAON RND Rooftop Units</b> <small>(23 74 16 13-0056)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0080 EA 26 Ton, Air Cooled Packaged Rooftop Units (AAON RND-026) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	66,049.35 2,256.25 2,443.97 3,429.50	4,309.58
23 74 16 13-0081 EA 31 Ton, Air Cooled Packaged Rooftop Units (AAON RND-031) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	75,290.72 2,256.25 2,443.97 3,429.50	5,052.62
23 74 16 13-0082 EA 40 Ton, Air Cooled Packaged Rooftop Units (AAON RND-040) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	88,884.89 2,256.25 2,443.97 3,429.50	6,761.59
23 74 16 13-0083 EA 50 Ton, Air Cooled Packaged Rooftop Units (AAON RND-050) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	104,358.07 2,256.25 2,443.97 3,429.50	8,470.56
23 74 16 13-0084 EA 60 Ton, Air Cooled Packaged Rooftop Units (AAON RND-060) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	114,822.37 2,256.25 2,443.97 3,429.50	10,179.53
23 74 16 13-0085 EA 70 Ton, Air Cooled Packaged Rooftop Units (AAON RND-070) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	120,895.25 2,256.25 2,443.97 3,429.50	11,015.49

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 74 Packaged Outdoor HVAC Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 74 16 13-0086			<b>AAON RNE Rooftop Units</b> <small>(23 74 16 13-0056)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0087	EA		55 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-055) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	111,452.08 2,548.66 3,660.54 4,873.50	9,325.05
23 74 16 13-0088	EA		65 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-065) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	122,844.88 2,548.66 3,660.54 4,873.50	10,606.82
23 74 16 13-0089	EA		75 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-075) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	130,654.17 2,548.66 3,660.54 4,873.50	11,442.69
23 74 16 13-0090	EA		95 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-090) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	158,496.89 2,548.66 3,660.54 4,873.50	15,492.20
23 74 16 13-0091	EA		105 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-105) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	171,883.08 2,548.66 3,660.54 4,873.50	17,684.15
23 74 16 13-0092	EA		120 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-120) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	200,169.73 2,548.66 3,660.54 4,873.50	19,467.42
23 74 16 13-0093	EA		130 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-130) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	205,233.10 2,548.66 3,660.54 4,873.50	20,656.26
23 74 16 13-0094	EA		140 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-140) ..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	215,431.83 2,548.66 3,660.54 4,873.50	23,108.28

23 74 16 13-0095 **Heat Pump, Packaged Rooftop Heat Pump Units** (23 74 16 13)  
See CSI section 01 22 23 00-0883 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0096			<b>Packaged Rooftop Heat Pump Units</b> <small>(23 74 16 13-0095)</small> Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.		
23 74 16 13-0097	EA		2 Ton Packaged Rooftop Heat Pump ..... <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	6,086.55 215.16 1,795.33 -647.77	1,337.45
23 74 16 13-0098	EA		2.5 Ton Packaged Rooftop Heat Pump ..... <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	6,409.44 224.62 1,901.92 -647.77	1,437.81
23 74 16 13-0099	EA		3 Ton Packaged Rooftop Heat Pump ..... <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	6,779.64 236.44 2,018.45 -647.77	1,538.08
23 74 16 13-0100	EA		3.5 Ton Packaged Rooftop Heat Pump ..... <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	7,275.37 253.43 1,965.06 -647.77	1,655.08
23 74 16 13-0101	EA		4 Ton Packaged Rooftop Heat Pump ..... <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	7,771.32 270.42 2,100.86 -647.77	1,772.18
23 74 16 13-0102	EA		5 Ton Packaged Rooftop Heat Pump ..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	8,329.51 2,254.60 231.53 -647.77	1,905.93
23 74 16 13-0103	EA		6 Ton Packaged Rooftop Heat Pump ..... <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	9,368.73 198.81 2,497.47 -647.77	2,056.31
23 74 16 13-0104	EA		7.5 Ton Packaged Rooftop Heat Pump ..... <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	12,033.72 274.75 2,536.75 -777.31	2,156.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0105 EA 8.5 Ton Packaged Rooftop Heat Pump ..... <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	13,457.49 310.77 2,688.72 -777.31	2,323.81
23 74 16 13-0106 EA 10 Ton Packaged Rooftop Heat Pump ..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	14,466.79 2,730.64 225.14 -777.31	2,407.43
23 74 16 13-0107 EA 12.5 Ton Packaged Rooftop Heat Pump ..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	16,777.33 3,068.69 266.00 -777.31	2,608.04
23 74 16 13-0108 EA 15 Ton Packaged Rooftop Heat Pump ..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	19,087.86 3,406.74 306.86 -777.31	2,808.66
23 74 16 13-0109 EA 17.5 Ton Packaged Rooftop Heat Pump ..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	21,374.16 3,742.36 347.24 -777.31	3,009.27
23 74 16 13-0110 EA 20 Ton Packaged Rooftop Heat Pump ..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	23,660.46 4,077.99 387.61 -777.31	3,209.89
<b>23 74 16 13-0111 Heating Only Packaged Rooftop Units</b> <small>(23 74 16 13-0095)</small> Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0112 EA 24 MBH Electric Heating Only, Self Contained Package Rooftop Unit ..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	6,229.86 400.42 -647.77	1,337.45
23 74 16 13-0113 EA 32 MBH Electric Heating Only, Self Contained Package Rooftop Unit ..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	7,319.30 471.34 -647.77	1,538.08
23 74 16 13-0114 EA 45 MBH Electric Heating Only, Self Contained Package Rooftop Unit ..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	10,016.36 653.89 -647.77	1,772.18
23 74 16 13-0115 EA 60 MBH Electric Heating Only, Self Contained Package Rooftop Unit ..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	11,299.59 740.15 -647.77	1,905.93
23 74 16 13-0116 EA 95 MBH Electric Heating Only, Self Contained Package Rooftop Unit ..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	13,277.84 871.94 -777.31	2,156.67
23 74 16 13-0117 EA 112 MBH Electric Heating Only, Self Contained Package Rooftop Unit ..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	14,956.00 984.95 -777.31	2,323.81
23 74 16 13-0118 EA 140 MBH Electric Heating Only, Self Contained Package Rooftop Unit ..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	17,697.67 1,174.64 -777.31	2,407.43
23 74 16 13-0119 EA 170 MBH Electric Heating Only, Self Contained Package Rooftop Unit ..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	22,986.47 1,534.16 -777.31	2,808.66
23 74 16 13-0120 EA 200 MBH Electric Heating Only, Self Contained Package Rooftop Unit ..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	30,355.02 2,044.60 -777.31	3,009.27
23 74 16 13-0121 EA 230 MBH Electric Heating Only, Self Contained Package Rooftop Unit ..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	35,432.90 2,394.71 -777.31	3,209.89
23 74 16 13-0122 EA 270 MBH Electric Heating Only, Self Contained Package Rooftop Unit ..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	46,070.84 3,130.45 -777.31	3,544.26
23 74 16 13-0123 EA 330 MBH Electric Heating Only, Self Contained Package Rooftop Unit ..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	57,615.42 3,920.73 -1,244.73	4,510.20
23 74 16 13-0124 EA 360 MBH Electric Heating Only, Self Contained Package Rooftop Unit ..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	70,888.95 4,840.96 -1,244.73	4,547.35
23 74 16 13-0125 EA 450 MBH Electric Heating Only, Self Contained Package Rooftop Unit ..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	86,345.53 5,902.42 -1,244.73	5,316.44
23 74 16 13-0126 EA 540 MBH Electric Heating Only, Self Contained Package Rooftop Unit ..... <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	111,990.14 7,656.52 -1,892.80	6,854.51

**23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units** (23 74)

**23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units** (23 74 23)

**23 74 23 13-0001 Make-Up Air Units** (23 74 23 13)

Note: Units are shipped fully factory assembled in one piece, prewired, prepped, charged with refrigerant. Includes throwaway filters and start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0883 for crane lifting equipment.

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 74 23 13-0002		Gas-Fired Electric Spark Make-Up Air Units <small>(23 74 23 13-0001)</small>	
Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0884 for crane lifting equipment.			
23 74 23 13-0003	EA	100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	7,265.95
		<i>For Equipment Base Roof Curb, Add</i> .....	885.95
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> .....	1,956.88
23 74 23 13-0004	EA	300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	9,406.80
		<i>For Equipment Base Roof Curb, Add</i> .....	1,150.34
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> .....	2,566.93
23 74 23 13-0005	EA	500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	13,116.19
		<i>For Equipment Base Roof Curb, Add</i> .....	1,609.80
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> .....	3,637.64
23 74 23 13-0006	EA	670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	13,215.15
		<i>For Equipment Base Roof Curb, Add</i> .....	1,619.94
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> .....	3,645.04
23 74 23 13-0007	EA	800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	18,097.05
		<i>For Equipment Base Roof Curb, Add</i> .....	2,226.47
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> .....	5,072.46
23 74 23 13-0008	EA	1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	27,484.39
		<i>For Equipment Base Roof Curb, Add</i> .....	3,390.97
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> .....	7,799.50

23 74 23 13-0009		Electric Make-Up Air Units <small>(23 74 23 13-0001)</small>	
Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0884 for crane lifting equipment.			
23 74 23 13-0010	EA	33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric.....	15,114.92
		<i>For Equipment Base Roof Curb, Add</i> .....	1,867.07
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> .....	4,311.57
23 74 23 13-0011	EA	100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric.....	21,656.44
		<i>For Equipment Base Roof Curb, Add</i> .....	2,681.54
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> .....	6,241.82
23 74 23 13-0012	EA	150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric.....	26,844.40
		<i>For Equipment Base Roof Curb, Add</i> .....	3,325.83
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> .....	7,756.11
23 74 23 13-0013	EA	250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric.....	34,747.30
		<i>For Equipment Base Roof Curb, Add</i> .....	4,307.75
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> .....	10,067.54
23 74 23 13-0014	EA	400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric.....	56,272.99
		<i>For Equipment Base Roof Curb, Add</i> .....	6,989.54
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> .....	16,436.08

**23 76 Evaporative Air-Cooling Equipment (23 70)****23 76 13 Direct Evaporative Air Coolers (23 76)**

23 76 13 00-0001		Residential Side Or Down Draft Evaporative Cooling Unit <small>(23 76 13)</small>	
Note: Includes motor, belt and pads.			
23 76 13 00-0002	EA	3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,537.60
23 76 13 00-0003	EA	4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,814.56
23 76 13 00-0004	EA	4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	2,328.59
23 76 13 00-0005	EA	5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	2,540.30
23 76 13 00-0006	EA	6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	2,911.14
23 76 13 00-0007	EA	7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	3,138.76

23 76 13 00-0008		Industrial Side Draft/Side Discharge Evaporative Coolers <small>(23 76 13)</small>	
Note: Excludes motor starter, piping, power wiring and equipment rigging.			
23 76 13 00-0009	EA	7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	2,640.83
23 76 13 00-0010	EA	8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	2,725.28
23 76 13 00-0011	EA	9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	3,233.24
23 76 13 00-0012	EA	11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	7,001.31
23 76 13 00-0013	EA	13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	7,538.98
23 76 13 00-0014	EA	16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	8,648.67
23 76 13 00-0015	EA	15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	7,911.63
23 76 13 00-0016	EA	19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	9,372.82
23 76 13 00-0017	EA	17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	9,341.61
23 76 13 00-0018	EA	22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	10,425.38
23 76 13 00-0019	EA	24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	10,962.68
23 76 13 00-0020	EA	30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	14,635.52
23 76 13 00-0021	EA	35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	16,447.92
23 76 13 00-0022	EA	40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	18,280.45

**23 80 Decentralized Unitary HVAC Equipment (23)**

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

**23 81 Decentralized Unitary HVAC Equipment (23 80)****23 81 13 Packaged Terminal Air-Conditioners (23 81)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

**23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units (23 81 13)**

**23 81 13 11-0001 Packaged Terminal Air-Conditioners (23 81 13 11)**

**23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0001)**

23 81 13 11-0003	EA 7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	1,984.34	247.80
	For >35 To 70, Deduct	-44.66	
	For >100, Deduct	-104.21	
	For >70 To 100, Deduct	-74.44	
23 81 13 11-0004	EA 9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	1,965.48	225.93
	For >35 To 70, Deduct	-45.42	
	For >100, Deduct	-105.99	
	For >70 To 100, Deduct	-75.71	
23 81 13 11-0005	EA 11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,080.16	240.77
	For >35 To 70, Deduct	-47.94	
	For >100, Deduct	-111.86	
	For >70 To 100, Deduct	-79.90	
23 81 13 11-0006	EA 14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,248.12	258.81
	For >35 To 70, Deduct	-51.92	
	For >100, Deduct	-121.15	
	For >70 To 100, Deduct	-86.54	

**23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0001)**

23 81 13 11-0008	EA 7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner.....	1,992.27	200.48
	For >35 To 70, Deduct	-47.76	
	For >100, Deduct	-111.44	
	For >70 To 100, Deduct	-79.60	
23 81 13 11-0009	EA 9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,100.12	225.93
	For >35 To 70, Deduct	-49.46	
	For >100, Deduct	-115.41	
	For >70 To 100, Deduct	-82.44	
23 81 13 11-0010	EA 11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,177.72	240.77
	For >35 To 70, Deduct	-50.87	
	For >100, Deduct	-118.69	
	For >70 To 100, Deduct	-84.78	
23 81 13 11-0011	EA 14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,376.90	258.81
	For >35 To 70, Deduct	-55.78	
	For >100, Deduct	-130.16	
	For >70 To 100, Deduct	-92.97	

**23 81 13 11-0012 Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve (23 81 13 11)**

Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.

23 81 13 11-0013	EA Up To 10,000 BTU Unit, Thru Wall A/C Sleeve .....	105.81	
23 81 13 11-0014	EA >10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve.....	119.03	
23 81 13 11-0015	EA >20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve.....	132.26	

**23 81 13 11-0016 Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units (23 81 13 11)**

Note: Includes storage and cleaning.

23 81 13 11-0017	EA Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units.....	264.31	
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**23 81 13 13 Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units (23 81 13)**

**23 81 13 13-0001 Single Package Vertical Wall Cooling Unit (23 81 13 13)**

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0884 for crane lifting equipment.

23 81 13 13-0002	EA 1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat.....	4,780.94	300.90
23 81 13 13-0003	EA 1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat.....	6,761.93	315.22
23 81 13 13-0004	EA 1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat.....	8,801.46	329.56
23 81 13 13-0005	EA 2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat.....	10,111.44	358.21
23 81 13 13-0006	EA 2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat.....	12,665.48	415.52
23 81 13 13-0007	EA 3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat.....	13,624.27	515.82
23 81 13 13-0008	EA 3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat.....	15,088.31	573.13
23 81 13 13-0009	EA 4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat.....	16,618.28	644.78
23 81 13 13-0010	EA 5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat.....	18,722.23	773.73
23 81 13 13-0011	EA 7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat.....	24,185.71	960.00
23 81 13 13-0012	EA 10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat.....	28,918.15	1,289.56
23 81 13 13-0013	EA 15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat.....	40,433.50	1,576.12
23 81 13 13-0014	EA 20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat.....	46,608.53	1,877.01

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 81 Decentralized Unitary HVAC Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 13-0015	EA		25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	55,637.95	2,106.27
<b>23 81 16</b>			<b>Room Air-Conditioners <sup>(23 81)</sup></b>		
			Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.		
23 81 16 00-0001			Window Unit, Room Air-Conditioners <sup>(23 81 16)</sup>		
23 81 16 00-0002			Cooling Only, Window Unit, Room Air-Conditioners <sup>(23 81 16 00-0001)</sup>		
23 81 16 00-0003			Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) <sup>(23 81 16 00-0002)</sup>		
23 81 16 00-0004	EA		5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1) .....	556.39	138.76
			For >75 To 100, Deduct	-27.89	
			For >100, Deduct	-33.46	
			For >10 To 50, Deduct	-13.94	
			For >50 To 75, Deduct	-19.52	
23 81 16 00-0005	EA		6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1) .....	584.41	138.76
			For >75 To 100, Deduct	-30.69	
			For >100, Deduct	-36.83	
			For >10 To 50, Deduct	-15.34	
			For >50 To 75, Deduct	-21.48	
23 81 16 00-0006	EA		8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1) .....	654.48	138.76
			For >75 To 100, Deduct	-37.70	
			For >100, Deduct	-45.23	
			For >10 To 50, Deduct	-18.85	
			For >50 To 75, Deduct	-26.39	
23 81 16 00-0007	EA		10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1) .....	717.45	138.76
			For >75 To 100, Deduct	-43.99	
			For >100, Deduct	-52.79	
			For >10 To 50, Deduct	-22.00	
			For >50 To 75, Deduct	-30.79	
23 81 16 00-0008	EA		12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1) .....	878.69	138.76
			For >75 To 100, Deduct	-60.12	
			For >100, Deduct	-72.14	
			For >10 To 50, Deduct	-30.06	
			For >50 To 75, Deduct	-42.08	
23 81 16 00-0009	EA		15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1) .....	1,018.82	138.76
			For >75 To 100, Deduct	-74.13	
			For >100, Deduct	-88.95	
			For >10 To 50, Deduct	-37.06	
			For >50 To 75, Deduct	-51.89	
23 81 16 00-0010	EA		8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1) .....	962.77	138.76
			For >75 To 100, Deduct	-68.52	
			For >100, Deduct	-82.23	
			For >10 To 50, Deduct	-34.26	
			For >50 To 75, Deduct	-47.97	
23 81 16 00-0011	EA		10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1) .....	1,032.83	138.76
			For >75 To 100, Deduct	-75.53	
			For >100, Deduct	-90.64	
			For >10 To 50, Deduct	-37.77	
			For >50 To 75, Deduct	-52.87	
23 81 16 00-0012	EA		12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1) .....	1,088.88	138.76
			For >75 To 100, Deduct	-81.14	
			For >100, Deduct	-97.36	
			For >10 To 50, Deduct	-40.57	
			For >50 To 75, Deduct	-56.79	
23 81 16 00-0013	EA		18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2) .....	1,144.93	138.76
			For >75 To 100, Deduct	-86.74	
			For >100, Deduct	-104.09	
			For >10 To 50, Deduct	-43.37	
			For >50 To 75, Deduct	-60.72	
23 81 16 00-0014	EA		22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2).....	1,257.04	138.76
			For >75 To 100, Deduct	-97.95	
			For >100, Deduct	-117.54	
			For >10 To 50, Deduct	-48.98	
			For >50 To 75, Deduct	-68.57	
23 81 16 00-0015	EA		25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2).....	1,271.05	138.76
			For >75 To 100, Deduct	-99.35	
			For >100, Deduct	-119.22	
			For >10 To 50, Deduct	-49.68	
			For >50 To 75, Deduct	-69.55	
23 81 16 00-0016	EA		28,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2) .....	1,829.50	138.76
			For >75 To 100, Deduct	-155.20	
			For >100, Deduct	-186.24	
			For >10 To 50, Deduct	-77.60	
			For >50 To 75, Deduct	-108.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 81 16 00-0017</b> Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) <small>(23 81 16 00-0002)</small>		
23 81 16 00-0018 EA 8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C) .....	1,939.35	138.76
23 81 16 00-0019 EA 10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C) .....	2,124.18	138.76
23 81 16 00-0020 EA 11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C) .....	2,208.19	138.76
23 81 16 00-0021 EA 12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C) .....	2,241.80	138.76
23 81 16 00-0022 EA 20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C) .....	2,544.25	138.76
23 81 16 00-0023 EA 24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C) .....	3,300.39	138.76
23 81 16 00-0024 EA 28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C) .....	3,552.43	138.76
23 81 16 00-0025 EA 36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B) .....	3,888.49	138.76
<b>23 81 16 00-0026</b> Heating And Cooling, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0001)</small>		
<b>23 81 16 00-0027</b> Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) <small>(23 81 16 00-0026)</small>		
23 81 16 00-0028 EA 8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1) .....	1,088.88	138.76
For >75 To 100, Deduct	-81.14	
For >100, Deduct	-97.36	
For >10 To 50, Deduct	-40.57	
For >50 To 75, Deduct	-56.79	
23 81 16 00-0029 EA 12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2) .....	1,243.03	138.76
For >75 To 100, Deduct	-96.55	
For >100, Deduct	-115.86	
For >10 To 50, Deduct	-48.28	
For >50 To 75, Deduct	-67.59	
23 81 16 00-0030 EA 18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2) .....	1,327.10	138.76
For >75 To 100, Deduct	-104.96	
For >100, Deduct	-125.95	
For >10 To 50, Deduct	-52.48	
For >50 To 75, Deduct	-73.47	
23 81 16 00-0031 EA 25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2) .....	1,635.39	138.76
For >75 To 100, Deduct	-135.79	
For >100, Deduct	-162.94	
For >10 To 50, Deduct	-67.89	
For >50 To 75, Deduct	-95.05	
<b>23 81 16 00-0032</b> Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) <small>(23 81 16 00-0026)</small>		
23 81 16 00-0033 EA 12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B) .....	2,325.82	138.76
<b>23 81 16 00-0034</b> Accessories <small>(23 81 16 00-0001)</small>		
23 81 16 00-0035 SET Aluminum Air Conditioner Unit Frame And Bracket Assembly .....	557.23	58.34
<b>23 81 16 00-0036</b> Removal And Reinstallation Of Room Air-Conditioners <small>(23 81 16)</small>		
Note: Includes storage and cleaning.		
23 81 16 00-0037 EA Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash .....	165.19	
23 81 16 00-0038 EA Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash .....	352.59	
<b>23 81 16 00-0039</b> Through-The-Wall, Room Air-Conditioners <small>(23 81 16)</small>		
Note: Base unit excludes wall sleeve.		
<b>23 81 16 00-0040</b> Cooling Only, Through-The-Wall, Room Air-Conditioners <small>(23 81 16 00-0039)</small>		
<b>23 81 16 00-0041</b> Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) <small>(23 81 16 00-0040)</small>		
23 81 16 00-0042 EA 8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A) .....	1,456.78	99.11
For >75 To 100, Deduct	-125.85	
For >100, Deduct	-151.02	
For >10 To 50, Deduct	-62.93	
For >50 To 75, Deduct	-88.10	
For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	302.87	
23 81 16 00-0043 EA 9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B) .....	1,574.41	99.11
For >75 To 100, Deduct	-137.62	
For >100, Deduct	-165.14	
For >10 To 50, Deduct	-68.81	
For >50 To 75, Deduct	-96.33	
For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	302.87	
23 81 16 00-0044 EA 12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A) .....	1,792.84	99.11
For >75 To 100, Deduct	-159.46	
For >100, Deduct	-191.35	
For >10 To 50, Deduct	-79.73	
For >50 To 75, Deduct	-111.62	
For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	302.87	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0045	EA		10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A).....	1,574.41	99.11
			<i>For &gt;75 To 100, Deduct</i>	-137.62	
			<i>For &gt;100, Deduct</i>	-165.14	
			<i>For &gt;10 To 50, Deduct</i>	-68.81	
			<i>For &gt;50 To 75, Deduct</i>	-96.33	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	302.87	
23 81 16 00-0046	EA		12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A).....	1,792.84	99.11
			<i>For &gt;75 To 100, Deduct</i>	-159.46	
			<i>For &gt;100, Deduct</i>	-191.35	
			<i>For &gt;10 To 50, Deduct</i>	-79.73	
			<i>For &gt;50 To 75, Deduct</i>	-111.62	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	302.87	
23 81 16 00-0047			<b>Heating And Cooling, Through-The-Wall, Room Air-Conditioners</b> (23 81 16 00-0039)		
23 81 16 00-0048			<b>Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich)</b> (23 81 16 00-0047)		
23 81 16 00-0049	EA		10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33).....	1,843.25	99.11
			<i>For &gt;75 To 100, Deduct</i>	-164.50	
			<i>For &gt;100, Deduct</i>	-197.40	
			<i>For &gt;10 To 50, Deduct</i>	-82.25	
			<i>For &gt;50 To 75, Deduct</i>	-115.15	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	302.87	
23 81 16 00-0050	EA		12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33).....	1,977.68	99.11
			<i>For &gt;75 To 100, Deduct</i>	-177.94	
			<i>For &gt;100, Deduct</i>	-213.53	
			<i>For &gt;10 To 50, Deduct</i>	-88.97	
			<i>For &gt;50 To 75, Deduct</i>	-124.56	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	302.87	
<b>23 81 23</b>			<b>Computer-Room Air-Conditioners</b> (23 81)		
			Note: Includes equipment rigging. Indoor units include filters.		
<b>23 81 23 12</b>			<b>Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units</b> (23 81 23)		
23 81 23 12-0001			<b>Floor Mounted Air Cooled Direct Expansion Type</b> (23 81 23 12)		
			Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.		
23 81 23 12-0002	EA		3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	37,009.39	2,820.74
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	4,096.70	
23 81 23 12-0003	EA		5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	40,844.96	3,085.18
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	4,523.95	
23 81 23 12-0004	EA		6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	56,394.89	3,525.93
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	6,393.83	
23 81 23 12-0005	EA		8 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	61,709.06	3,746.30
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	7,017.13	
23 81 23 12-0006	EA		10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	67,023.24	3,966.67
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	7,640.43	
23 81 23 12-0007	EA		16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	75,161.83	4,759.99
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	8,497.43	
23 81 23 12-0008	EA		20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	84,894.00	5,288.89
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	9,628.45	
23 81 23 12-0009	EA		22 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	88,812.92	5,463.33
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	10,080.71	
23 81 23 12-0010	EA		24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	96,645.02	5,641.47
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	11,021.68	
23 81 23 12-0011	EA		30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	104,563.53	6,346.66
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	11,890.48	
23 81 23 12-0012			<b>Floor Mounted Chilled Water Type</b> (23 81 23 12)		
			Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.		
23 81 23 12-0013	EA		3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	22,130.57	1,932.79
			<i>For Liebert Unit, Add</i>	2,444.19	
23 81 23 12-0014	EA		5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	23,800.52	2,140.93
			<i>For Liebert Unit, Add</i>	2,618.25	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0015 EA 12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	29,615.04	3,260.95
For Liebert Unit, Add	3,158.39	
23 81 23 12-0016 EA 16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	30,932.00	3,303.91
For Liebert Unit, Add	3,315.91	
23 81 23 12-0017 EA 20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	32,126.42	3,436.06
For Liebert Unit, Add	3,440.92	
23 81 23 12-0018 EA 22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	32,949.38	3,766.45
For Liebert Unit, Add	3,490.93	
23 81 23 12-0019 EA 31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	34,979.07	4,096.84
For Liebert Unit, Add	3,690.95	
<b>23 81 23 12-0020 Floor Mounted Water Source</b> <small>(23 81 23 12)</small>		
Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liqitect sensors, floor stand. Excludes water source.		
23 81 23 12-0021 EA 3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	17,276.65	1,762.96
For Liebert Unit, Add	1,830.25	
23 81 23 12-0022 EA 5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	18,985.88	1,851.11
For Liebert Unit, Add	2,027.35	
23 81 23 12-0023 EA 6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	24,466.90	1,939.26
For Liebert Unit, Add	2,696.09	
23 81 23 12-0024 EA 8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	26,378.71	2,115.56
For Liebert Unit, Add	2,900.24	
23 81 23 12-0025 EA 10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	29,121.31	2,291.85
For Liebert Unit, Add	3,209.97	
23 81 23 12-0026 EA 12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	30,293.05	2,468.14
For Liebert Unit, Add	3,322.60	
23 81 23 12-0027 EA 15 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	31,640.31	2,644.44
For Liebert Unit, Add	3,463.39	
23 81 23 12-0028 EA 20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	32,565.05	2,820.74
For Liebert Unit, Add	3,547.86	
23 81 23 12-0029 EA 25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	37,293.32	3,349.62
For Liebert Unit, Add	4,035.93	
<b>23 81 23 12-0030 Floor Mounted Glycol System Type</b> <small>(23 81 23 12)</small>		
Note: Includes drycoolers, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liqitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.		
23 81 23 12-0031 EA 3 Ton Computer Room Air Conditioner, Glycol System Type .....	44,500.28	1,932.79
For Liebert Unit, Add	5,240.41	
23 81 23 12-0032 EA 5 Ton Computer Room Air Conditioner, Glycol System Type .....	47,897.25	2,140.93
For Liebert Unit, Add	5,630.34	
23 81 23 12-0033 EA 6 Ton Computer Room Air Conditioner, Glycol System Type.....	73,953.78	2,398.63
For Liebert Unit, Add	8,844.45	
23 81 23 12-0034 EA 9 Ton Computer Room Air Conditioner, Glycol System Type.....	76,298.86	2,656.34
For Liebert Unit, Add	9,094.64	
23 81 23 12-0035 EA 10 Ton Computer Room Air Conditioner, Glycol System Type.....	81,655.25	2,914.04
For Liebert Unit, Add	9,721.23	
23 81 23 12-0036 EA 16 Ton Computer Room Air Conditioner, Glycol System Type.....	97,740.23	3,303.91
For Liebert Unit, Add	11,664.13	
23 81 23 12-0037 EA 20 Ton Computer Room Air Conditioner, Glycol System Type.....	107,180.23	3,436.06
For Liebert Unit, Add	12,822.65	
23 81 23 12-0038 EA 22 Ton Computer Room Air Conditioner, Glycol System Type.....	111,137.34	3,766.45
For Liebert Unit, Add	13,264.42	
23 81 23 12-0039 EA 30 Ton Computer Room Air Conditioner, Glycol System Type.....	135,404.47	4,096.84
For Liebert Unit, Add	16,244.13	
<b>23 81 23 12-0040 Removal And Reinstallation Of Computer Room Unit</b> <small>(23 81 23 12)</small>		
Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.		
23 81 23 12-0041 EA Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit.....	2,643.12	
23 81 23 12-0042 EA Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit .....	2,202.60	
<b>23 81 23 13 Computer-Room Air-Conditioners, Ceiling Mounted Units</b> <small>(23 81 23)</small>		
<b>23 81 23 13-0001 Ceiling Mounted Packaged Computer Room Air Conditioner</b> <small>(23 81 23 13)</small>		
Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liqitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.		
23 81 23 13-0002 EA 1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System .....	14,609.77	837.87
For Liebert Unit, Add	1,669.19	
23 81 23 13-0003 EA 1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System .....	16,174.21	1,006.24
For Liebert Unit, Add	1,833.20	
23 81 23 13-0004 EA 2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System .....	18,501.44	1,259.32
For Liebert Unit, Add	2,076.69	
23 81 23 13-0005 EA 3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System .....	22,711.98	1,469.18
For Liebert Unit, Add	2,563.67	
23 81 23 13-0006 EA 5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System .....	30,695.26	1,596.84
For Liebert Unit, Add	3,537.64	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**23 81 26 Split-System Air-Conditioners (23 81)****23 81 26 13 Small-Capacity Split-System Air-Conditioners (23 81 26)**

23 81 26 13-0001	EA	Split System A/C Unit (23 81 26 13) See CSI section 23 23 16 00-0001 for piping.		
23 81 26 13-0002	EA	Ductless Split System Air Conditioners (23 81 26 13-0001) Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0025 for ductless heat pumps.		
23 81 26 13-0003	EA	Wall Mounted Ductless Split System Air Conditioners (23 81 26 13-0002)		
23 81 26 13-0004	EA	9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,324.84	436.11
23 81 26 13-0005	EA	11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,521.80	475.76
23 81 26 13-0006	EA	17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,130.65	528.63
23 81 26 13-0007	EA	24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,479.17	581.49
23 81 26 13-0008	EA	25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,256.57	634.35
23 81 26 13-0009	EA	29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,089.60	660.78
23 81 26 13-0010	EA	31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,673.50	704.39
23 81 26 13-0011	EA	Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners (23 81 26 13-0002) Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 26 13-0012	EA	7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit and wireless thermostat.	1,010.33	211.45
23 81 26 13-0013	EA	9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit and wireless thermostat.	1,069.41	224.67
23 81 26 13-0014	EA	11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit and wireless thermostat.	1,129.38	237.88
23 81 26 13-0015	EA	17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit and wireless thermostat.	1,271.06	251.10
23 81 26 13-0016	EA	24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit and wireless thermostat.	1,358.86	264.31
23 81 26 13-0017	EA	19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes outdoor unit and refrigerant charge.	2,704.74	317.18
23 81 26 13-0018	EA	25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes outdoor unit and refrigerant charge.	2,990.77	343.61
23 81 26 13-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes outdoor unit and refrigerant charge.	4,659.29	370.04
23 81 26 13-0020	EA	Suspended Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 13-0002) Note: Excludes hangers.		
23 81 26 13-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,609.68	634.35
23 81 26 13-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,837.11	757.26
23 81 26 13-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,290.88	792.93
23 81 26 13-0024	EA	Recessed Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 13-0002) Note: Excludes hangers.		
23 81 26 13-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,494.23	528.63
23 81 26 13-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,063.60	581.49
23 81 26 13-0027	EA	24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,607.17	687.21
23 81 26 13-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,478.02	757.26
23 81 26 13-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,111.33	792.93
23 81 26 13-0030	EA	Ductless Split System Accessories (23 81 26 13-0002)		
23 81 26 13-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	14.10	1.89
23 81 26 13-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	18.01	2.08
23 81 26 13-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	22.33	2.29
23 81 26 13-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	23.78	3.55
23 81 26 13-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	40.08	3.91
23 81 26 13-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	45.61	4.29
23 81 26 13-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	58.46	7.10
23 81 26 13-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	95.39	7.81
23 81 26 13-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	106.44	8.60
23 81 26 13-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	77.29	7.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0041 EA 4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	90.45	8.34
23 81 26 13-0042 EA 6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	138.61	9.17
23 81 26 13-0043 EA 3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	58.46	7.10
23 81 26 13-0044 EA 4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	95.39	7.81
23 81 26 13-0045 EA 6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	106.44	8.60
23 81 26 13-0046 EA 3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	77.16	11.84
23 81 26 13-0047 EA 4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	111.18	13.02
23 81 26 13-0048 EA 6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	132.51	14.33
23 81 26 13-0049 EA 2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	41.94	2.36
23 81 26 13-0050 EA 3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	47.59	7.10
23 81 26 13-0051 EA 4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	75.82	7.81
23 81 26 13-0052 EA 3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	43.24	7.10
23 81 26 13-0053 EA 4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	58.44	7.81
23 81 26 13-0054 EA 6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	62.97	8.60
23 81 26 13-0055 EA 4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	200.39	9.47
23 81 26 13-0056 EA 6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	227.17	10.42
23 81 26 13-0057 EA 14" Condensing Unit Mounting Blocks With End Caps.....	138.04	35.52
23 81 26 13-0058 EA 17" Condensing Unit Mounting Blocks With End Caps.....	151.74	37.89
23 81 26 13-0059 EA 36" Condensing Unit Mounting Blocks With End Caps.....	202.38	40.25
23 81 26 13-0060 EA End Cap, Set of 4.....	21.71	
23 81 26 13-0061 EA 18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity.....	291.44	71.04
23 81 26 13-0062 EA 21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity.....	309.52	75.78
23 81 26 13-0063 LF 5/8" ID Condensate Drain Line.....	2.98	0.19
23 81 26 13-0064 LF 3/4" ID Condensate Drain Line.....	3.09	0.19
<b>23 81 26 13-0065 Cased A/C Evaporator Coils</b> <small>(23 81 26 13-0001)</small>		
<b>23 81 26 13-0066 Vertical Cased A/C Evaporator Coils</b> <small>(23 81 26 13-0065)</small>		
23 81 26 13-0067 EA 1-1/2 Ton Vertical Cased A/C Evaporator Coil.....	668.70	106.07
23 81 26 13-0068 EA 2 Ton Vertical Cased A/C Evaporator Coil.....	697.38	114.02
23 81 26 13-0069 EA 2-1/2 Ton Vertical Cased A/C Evaporator Coil.....	830.17	121.98
23 81 26 13-0070 EA 3 Ton Vertical Cased A/C Evaporator Coil.....	946.55	129.94
23 81 26 13-0071 EA 3-1/2 Ton Vertical Cased A/C Evaporator Coil.....	1,095.95	135.24
23 81 26 13-0072 EA 4 Ton Vertical Cased A/C Evaporator Coil.....	1,223.43	140.54
23 81 26 13-0073 EA 4-1/2 Ton Vertical Cased A/C Evaporator Coil.....	1,314.05	151.15
23 81 26 13-0074 EA 5 Ton Vertical Cased A/C Evaporator Coil.....	1,322.67	159.11
<b>23 81 26 13-0075 "A" Style Horizontal Cased A/C Evaporator Coils</b> <small>(23 81 26 13-0065)</small>		
23 81 26 13-0076 EA 2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	820.11	108.72
23 81 26 13-0077 EA 2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	943.65	114.82
23 81 26 13-0078 EA 3 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,081.15	121.98
23 81 26 13-0079 EA 3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,120.23	126.38
23 81 26 13-0080 EA 4 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,172.83	132.59
23 81 26 13-0081 EA 4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,186.75	139.48
23 81 26 13-0082 EA 5 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,200.41	146.37
<b>23 81 26 13-0083 Slab Style Horizontal Cased A/C Evaporator Coils</b> <small>(23 81 26 13-0065)</small>		
23 81 26 13-0084 EA 2 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	716.01	108.72
23 81 26 13-0085 EA 3 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	860.17	121.98
23 81 26 13-0086 EA 4 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	993.86	132.59
23 81 26 13-0087 EA 5 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	1,198.59	146.37
<b>23 81 26 16 Large-Capacity Split-System Air-Conditioners</b> <small>(23 81 26)</small>		
<b>23 81 26 16-0001 Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi)</b> <small>(23 81 26 16)</small>		
<b>23 81 26 16-0002 Outdoor Units</b> <small>(23 81 26 16-0001)</small>		
23 81 26 16-0003 EA 6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A).....	15,118.97	693.82
23 81 26 16-0004 EA 8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A).....	16,425.82	825.97
23 81 26 16-0005 EA 10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A).....	18,520.52	991.17
23 81 26 16-0006 EA 12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A).....	22,712.24	1,024.21
23 81 26 16-0007 EA 12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A).....	30,076.15	1,057.25
23 81 26 16-0008 EA 14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A).....	31,184.77	1,090.29
23 81 26 16-0009 EA 16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A).....	32,293.40	1,123.32
23 81 26 16-0010 EA 18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A).....	34,189.87	1,189.40
23 81 26 16-0011 EA 20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A).....	36,086.33	1,255.49
23 81 26 16-0012 EA 22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A).....	40,344.12	1,321.56
23 81 26 16-0013 EA 24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A).....	44,601.92	1,387.64
<b>23 81 26 16-0014 Indoor Units</b> <small>(23 81 26 16-0001)</small>		
23 81 26 16-0015 EA 6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2).....	1,632.44	214.76
23 81 26 16-0016 EA 8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2).....	1,718.94	231.28
23 81 26 16-0017 EA 12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2).....	1,796.54	247.80
23 81 26 16-0018 EA 15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2).....	1,887.51	264.31
23 81 26 16-0019 EA 18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2).....	2,057.90	313.87

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 81 26 16-0020	EA		24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2).....	2,312.14	379.95
23 81 26 16-0021	EA		30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2).....	2,505.63	412.99
23 81 26 16-0022	EA		6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3).....	2,330.32	236.23
23 81 26 16-0023	EA		8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3).....	2,415.68	254.40
23 81 26 16-0024	EA		12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3).....	2,550.05	272.57
23 81 26 16-0025	EA		15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3).....	2,764.60	290.74
23 81 26 16-0026	EA		18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3).....	2,936.01	345.26
23 81 26 16-0027	EA		24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3).....	3,241.76	417.94
23 81 26 16-0028	EA		27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3).....	3,407.31	436.11
23 81 26 16-0029	EA		30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3).....	3,590.69	454.28
23 81 26 16-0030	EA		36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3).....	3,980.05	499.72
23 81 26 16-0031	EA		48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3).....	4,409.69	549.68
23 81 26 16-0032	EA		54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3).....	4,778.04	604.66
23 81 26 16-0033	EA		72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E).....	6,008.34	665.12
23 81 26 16-0034	EA		96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E).....	6,809.67	731.63
23 81 26 16-0035	EA		12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E).....	2,650.74	272.57
23 81 26 16-0036	EA		15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E).....	2,796.68	290.74
23 81 26 16-0037	EA		18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E).....	2,970.76	345.26
23 81 26 16-0038	EA		24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E).....	3,345.12	417.94
23 81 26 16-0039	EA		30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E).....	3,605.84	454.28
23 81 26 16-0040	EA		36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E).....	4,385.48	499.72
23 81 26 16-0041	EA		6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5).....	2,379.33	236.23
23 81 26 16-0042	EA		8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5).....	2,504.79	254.40
23 81 26 16-0043	EA		12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5).....	2,692.62	272.57
23 81 26 16-0044	EA		15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5).....	2,835.89	290.74
23 81 26 16-0045	EA		8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4).....	2,219.65	254.40
23 81 26 16-0046	EA		12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4).....	2,336.19	272.57
23 81 26 16-0047	EA		15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4).....	2,457.18	290.74

**23 81 26 16-0048 Controllers For Outdoor Units (23 81 26 16-0001)**

23 81 26 16-0049	EA		8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1).....	8,104.19	198.24
23 81 26 16-0050	EA		10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1).....	9,373.20	231.28
23 81 26 16-0051	EA		13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA).....	10,361.54	264.31
23 81 26 16-0052	EA		16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA).....	12,289.95	297.35
23 81 26 16-0053	EA		4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB).....	4,528.06	132.15
23 81 26 16-0054	EA		8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB).....	6,972.54	198.24
23 81 26 16-0055	EA		16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB).....	10,654.85	297.35

**23 81 26 16-0056 Energy Recovery Units (23 81 26 16-0001)**

23 81 26 16-0057	EA		36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMMU-E2-AU).....	5,760.69	198.24
23 81 26 16-0058	EA		39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMMU-E-BU).....	10,821.94	198.24
23 81 26 16-0059	EA		112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR).....	10,990.48	231.28
23 81 26 16-0060	EA		Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E).....	2,335.29	165.19
23 81 26 16-0061	EA		Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E).....	2,958.89	171.80
23 81 26 16-0062	EA		Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E).....	3,515.65	178.42
23 81 26 16-0063	EA		Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1).....	6,353.25	198.24

**23 81 26 16-0064 Piping Specialties (23 81 26 16-0001)**

23 81 26 16-0065	EA		Maintenance Tool Interface (Mitsubishi CMS-MNG-E).....	793.05	
23 81 26 16-0066	EA		Branch Joint (Mitsubishi CMY-Y102SS-G2).....	213.17	40.29
23 81 26 16-0067	EA		Branch Joint (Mitsubishi CMY-Y102LS-G2).....	213.17	40.29
23 81 26 16-0068	EA		Branch Joint (Mitsubishi CMY-Y202S-G2).....	236.29	42.41
23 81 26 16-0069	EA		Branch Joint (Mitsubishi CMY-Y302S-G2).....	295.91	47.71
23 81 26 16-0070	EA		Header - 4 Branch (Mitsubishi CMY-Y64-G-E).....	387.33	68.91
23 81 26 16-0071	EA		Header - 8 Branch (Mitsubishi CMY-Y68-G-E).....	658.82	137.83
23 81 26 16-0072	EA		Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI).....	118.57	16.97
23 81 26 16-0073	EA		Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI).....	133.97	23.32

**23 81 26 16-0074 Split System Air Conditioners (Daikin VRV) (23 81 26 16)****23 81 26 16-0075 Heat Pump Outdoor Units (23 81 26 16-0074)**

23 81 26 16-0076	EA		6 Ton Heat Pump Outdoor Unit (Daikin RXYQ72PBTJ).....	23,823.76	693.82
23 81 26 16-0077	EA		8 Ton Heat Pump Outdoor Unit (Daikin RXYQ96PBTJ).....	26,646.58	825.97
23 81 26 16-0078	EA		10 Ton Heat Pump Outdoor Unit (Daikin RXYQ120PBTJ).....	29,732.28	991.17



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0079	EA			12 Ton Heat Pump Outdoor Unit (Daikin RXYQ144PBTJ) .....	37,080.26	1,024.21
23 81 26 16-0080	EA			14 Ton Heat Pump Outdoor Unit (Daikin RXYQ168PBTJ) .....	49,611.32	1,090.29
23 81 26 16-0081	EA			16 Ton Heat Pump Outdoor Unit (Daikin RXYQ192PBTJ) .....	52,432.71	1,123.32
23 81 26 16-0082	EA			18 Ton Heat Pump Outdoor Unit (Daikin RXYQ216PBTJ) .....	55,123.38	1,189.40
23 81 26 16-0083	EA			20 Ton Heat Pump Outdoor Unit (Daikin RXYQ240PBTJ) .....	58,010.84	1,255.49
23 81 26 16-0084	EA			22 Ton Heat Pump Outdoor Unit (Daikin RXYQ264PBTJ) .....	75,068.49	1,321.56
23 81 26 16-0085	EA			24 Ton Heat Pump Outdoor Unit (Daikin RXYQ288PBTJ) .....	77,955.97	1,387.64
23 81 26 16-0086	EA			26 Ton Heat Pump Outdoor Unit (Daikin RXYQ312PBTJ) .....	80,843.43	1,453.71
23 81 26 16-0087	EA			28 Ton Heat Pump Outdoor Unit (Daikin RXYQ336PBTJ) .....	83,534.09	1,519.79
23 81 26 16-0088	EA			30 Ton Heat Pump Outdoor Unit (Daikin RXYQ360PBTJ) .....	86,421.56	1,585.88
<b>23 81 26 16-0089 Heat Recovery Heat Pump Outdoor Units (23 81 26 16-0074)</b>						
23 81 26 16-0090	EA			6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ72PBTJ) .....	30,513.77	901.97
23 81 26 16-0091	EA			8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ96PBTJ) .....	33,306.33	1,073.77
23 81 26 16-0092	EA			10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ120PBTJ) .....	36,624.84	1,288.52
23 81 26 16-0093	EA			12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ144PBTJ) .....	45,960.73	1,331.47
23 81 26 16-0094	EA			14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ168PBTJ) .....	62,073.98	1,417.37
23 81 26 16-0095	EA			16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ192PBTJ) .....	66,883.27	1,460.32
23 81 26 16-0096	EA			18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ216PBTJ) .....	69,416.77	1,546.22
23 81 26 16-0097	EA			20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ240PBTJ) .....	71,950.27	1,632.13
23 81 26 16-0098	EA			22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ264PBTJ) .....	94,656.61	1,718.03
23 81 26 16-0099	EA			24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ288PBTJ) .....	97,190.10	1,803.93
23 81 26 16-0100	EA			26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ312PBTJ) .....	102,085.30	1,889.83
23 81 26 16-0101	EA			28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ336PBTJ) .....	104,618.79	1,975.74
<b>23 81 26 16-0102 Indoor Units (23 81 26 16-0074)</b>						
23 81 26 16-0103	EA			7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ07PVJU) .....	2,764.82	231.28
23 81 26 16-0104	EA			9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ09PVJU) .....	2,887.59	237.88
23 81 26 16-0105	EA			12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ12PVJU) .....	3,262.03	247.80
23 81 26 16-0106	EA			18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ18PVJU) .....	3,665.27	313.87
23 81 26 16-0107	EA			24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ24PVJU) .....	4,031.37	379.95
23 81 26 16-0108	EA			7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ07PVJU) .....	4,029.07	254.40
23 81 26 16-0109	EA			9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ09PVJU) .....	4,164.28	261.67
23 81 26 16-0110	EA			12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ12PVJU) .....	4,373.62	145.37
23 81 26 16-0111	EA			18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ18PVJU) .....	4,658.25	345.26
23 81 26 16-0112	EA			24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ24PVJU) .....	5,522.14	417.94
23 81 26 16-0113	EA			30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ30PVJU) .....	6,309.66	454.28
23 81 26 16-0114	EA			36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ36PVJU) .....	6,745.85	499.72
23 81 26 16-0115	EA			48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ48PVJU) .....	6,985.06	549.68
23 81 26 16-0116	EA			7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ07M7VJU) .....	4,500.66	254.40
23 81 26 16-0117	EA			9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ09M7VJU) .....	4,608.03	261.67
23 81 26 16-0118	EA			12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ12M7VJU) .....	4,899.06	272.57
23 81 26 16-0119	EA			18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ18M7VJU) .....	5,239.39	345.26
<b>23 81 26 16-0120 Branch Selector Boxes (23 81 26 16-0074)</b>						
23 81 26 16-0121	EA			144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin BSV4Q36PVJU) .....	13,584.04	297.35
23 81 26 16-0122	EA			216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin BSV6Q36PVJU) .....	20,080.12	396.47
23 81 26 16-0123	EA			36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin BSVQ36PVJU) .....	2,696.56	132.15
23 81 26 16-0124	EA			60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ60PVJU) .....	3,640.09	198.24
23 81 26 16-0125	EA			96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ96PVJU) .....	4,530.87	297.35
<b>23 81 26 16-0126 Controllers (23 81 26 16-0074)</b>						
23 81 26 16-0127	EA			Up To 16 Units, Navigation Controller (Daikin BRC1E71) .....	867.73	26.43
23 81 26 16-0128	EA			Individual Zone Controller (Daikin BRC2A71) .....	637.50	26.43
23 81 26 16-0129	EA			Up To 16 Groups, Unified ON/OFF Controller (Daikin DCS301C71) .....	1,200.08	26.43
23 81 26 16-0130	EA			Up To 64 Units, Multizone Controller (Daikin DCS302C71) .....	1,666.10	26.43
23 81 26 16-0131	EA			I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin DCM601A71) .....	15,611.50	317.18
23 81 26 16-0132	EA			I-Touch Manager D3net Plus Adapter (Daikin DCM601A72) .....	2,863.66	26.43
23 81 26 16-0133	EA			24 Volt AC, Wired Thermostat For Split A/C Systems (Daikin DACA-TS1-1) .....	634.61	46.64
<b>23 81 26 16-0134 Energy Recovery Units (23 81 26 16-0074)</b>						
23 81 26 16-0135	EA			300 CFM Energy Recovery Unit (Daikin VAM300GVJU) .....	4,710.30	165.19
23 81 26 16-0136	EA			470 CFM Energy Recovery Unit (Daikin VAM470GVJU) .....	6,101.17	171.80
23 81 26 16-0137	EA			600 CFM Energy Recovery Unit (Daikin VAM600GVJU) .....	7,295.23	178.42
23 81 26 16-0138	EA			1,200 CFM Energy Recovery Unit (Daikin VAM1200GVJU) .....	13,582.61	198.24

**23 81 43 Air-Source Unitary Heat Pumps (23 81)**

**23 81 43 00-0001 Single Package Thru-Wall Heat Pumps (23 81 43)**

Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0884 for crane lifting equipment.

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 81 Decentralized Unitary HVAC Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81	43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	2,074.35	214.92
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	253.17	
			<i>For &gt;35 To 70, Deduct</i>	-49.76	
			<i>For &gt;100, Deduct</i>	-116.12	
			<i>For Unit Economizer, Add</i>	273.79	
			<i>For &gt;70 To 100, Deduct</i>	-82.94	
23 81	43 00-0003	EA	1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	2,287.33	229.26
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	276.93	
			<i>For &gt;35 To 70, Deduct</i>	-55.29	
			<i>For &gt;100, Deduct</i>	-129.02	
			<i>For Unit Economizer, Add</i>	302.46	
			<i>For &gt;70 To 100, Deduct</i>	-92.16	
23 81	43 00-0004	EA	1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	3,835.57	229.26
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	416.27	
			<i>For &gt;35 To 70, Deduct</i>	-101.74	
			<i>For &gt;100, Deduct</i>	-237.40	
			<i>For Unit Economizer, Add</i>	519.21	
			<i>For &gt;70 To 100, Deduct</i>	-169.57	
23 81	43 00-0005	EA	2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,195.99	229.26
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	229.90	
			<i>For &gt;35 To 70, Deduct</i>	-111.69	
			<i>For &gt;100, Deduct</i>	-260.62	
			<i>For Unit Economizer, Add</i>	568.53	
			<i>For &gt;70 To 100, Deduct</i>	-186.16	
23 81	43 00-0006	EA	2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,740.73	243.58
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	252.55	
			<i>For &gt;35 To 70, Deduct</i>	-127.18	
			<i>For &gt;100, Deduct</i>	-296.75	
			<i>For Unit Economizer, Add</i>	643.64	
			<i>For &gt;70 To 100, Deduct</i>	-211.96	
23 81	43 00-0007	EA	3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,961.91	257.91
			<i>For &gt;35 To 70, Deduct</i>	-133.81	
			<i>For &gt;100, Deduct</i>	-312.23	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	705.23	
			<i>For Unit Economizer, Add</i>	674.61	
			<i>For &gt;70 To 100, Deduct</i>	-223.02	
23 81	43 00-0008	EA	3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,580.38	257.91
			<i>For &gt;35 To 70, Deduct</i>	-151.51	
			<i>For &gt;100, Deduct</i>	-353.52	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	789.07	
			<i>For Unit Economizer, Add</i>	760.05	
			<i>For &gt;70 To 100, Deduct</i>	-252.51	
23 81	43 00-0009	EA	4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	6,147.65	272.24
			<i>For &gt;35 To 70, Deduct</i>	-168.10	
			<i>For &gt;100, Deduct</i>	-392.22	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	864.53	
			<i>For Unit Economizer, Add</i>	838.89	
			<i>For &gt;70 To 100, Deduct</i>	-280.16	
23 81	43 00-0010	EA	5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	7,081.46	315.22
			<i>For &gt;35 To 70, Deduct</i>	-193.53	
			<i>For &gt;100, Deduct</i>	-451.57	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	996.24	
			<i>For Unit Economizer, Add</i>	966.19	
			<i>For &gt;70 To 100, Deduct</i>	-322.55	
23 81	43 00-0011	EA	7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	12,887.31	372.53
			<i>For &gt;35 To 70, Deduct</i>	-363.84	
			<i>For &gt;100, Deduct</i>	-848.95	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,766.48	
			<i>For Unit Economizer, Add</i>	1,773.85	
			<i>For &gt;70 To 100, Deduct</i>	-606.40	
23 81	43 00-0012	EA	10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	16,589.89	472.83
			<i>For &gt;35 To 70, Deduct</i>	-468.90	
			<i>For &gt;100, Deduct</i>	-1,094.09	
			<i>For Unit Economizer, Add</i>	2,284.18	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	396.30	
			<i>For &gt;70 To 100, Deduct</i>	-781.49	
23 81	43 00-0013	EA	12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	20,229.04	530.15
			<i>For &gt;35 To 70, Deduct</i>	-575.06	
			<i>For &gt;100, Deduct</i>	-1,341.81	
			<i>For Unit Economizer, Add</i>	2,789.65	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	456.76	
			<i>For &gt;70 To 100, Deduct</i>	-958.44	
23 81	43 00-0014	EA	15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	24,929.01	601.79
			<i>For &gt;35 To 70, Deduct</i>	-712.19	
			<i>For &gt;100, Deduct</i>	-1,661.78	
			<i>For Unit Economizer, Add</i>	3,442.49	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	534.71	
			<i>For &gt;70 To 100, Deduct</i>	-1,186.99	
23 81	43 00-0015	EA	20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	33,139.16	644.78
			<i>For &gt;35 To 70, Deduct</i>	-955.49	
			<i>For &gt;100, Deduct</i>	-2,229.47	
			<i>For Unit Economizer, Add</i>	4,587.90	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	640.89	
			<i>For &gt;70 To 100, Deduct</i>	-1,592.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0016 EA 25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	39,889.11	702.09
For >35 To 70, Deduct	-1,154.55	
For >100, Deduct	-2,693.95	
For Unit Economizer, Add	5,528.31	
For Low Ambient Protection, 0 Degree F, Add	735.89	
For >70 To 100, Deduct	-1,924.25	
<b>23 81 43 00-0017 Single Package Vertical Wall Heat Pumps</b> <small>(23 81 43)</small>		
Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0884 for crane lifting equipment.		
23 81 43 00-0018 EA 1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	3,178.96	286.57
23 81 43 00-0019 EA 1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	3,834.49	315.22
23 81 43 00-0020 EA 1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	4,921.88	329.56
23 81 43 00-0021 EA 2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	5,633.94	358.21
23 81 43 00-0022 EA 2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	7,030.18	415.52
23 81 43 00-0023 EA 3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	7,520.54	472.83
23 81 43 00-0024 EA 3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	8,178.86	530.15
23 81 43 00-0025 EA 4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	9,198.97	587.47
23 81 43 00-0026 EA 5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	10,389.45	702.09
<b>23 81 43 00-0027 Heat Pump, Room Air-Conditioners</b> <small>(23 81 43)</small>		
Note: Includes throwaway filters and supplemental heat.		
<b>23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners</b> <small>(23 81 43 00-0027)</small>		
<b>23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich)</b> <small>(23 81 43 00-0028)</small>		
23 81 43 00-0030 EA 10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C) .....	2,376.22	138.76
For >75 To 100, Deduct	-209.87	
For >100, Deduct	-251.84	
For >10 To 50, Deduct	-104.93	
For >50 To 75, Deduct	-146.91	
23 81 43 00-0031 EA 12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C) .....	2,678.68	138.76
For >75 To 100, Deduct	-240.12	
For >100, Deduct	-288.14	
For >10 To 50, Deduct	-120.06	
For >50 To 75, Deduct	-168.08	
23 81 43 00-0032 EA 17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A) .....	3,132.36	138.76
For >75 To 100, Deduct	-285.48	
For >100, Deduct	-342.58	
For >10 To 50, Deduct	-142.74	
For >50 To 75, Deduct	-199.84	
23 81 43 00-0033 EA 24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D) .....	3,636.45	138.76
For >75 To 100, Deduct	-335.89	
For >100, Deduct	-403.07	
For >10 To 50, Deduct	-167.95	
For >50 To 75, Deduct	-235.12	
<b>23 81 43 00-0034 Heat Pump, Through-The-Wall, Room Air-Conditioners</b> <small>(23 81 43 00-0027)</small>		
Note: Base unit excludes wall sleeve.		
<b>23 81 43 00-0035 Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich)</b> <small>(23 81 43 00-0034)</small>		
23 81 43 00-0036 EA 9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D) .....	2,380.95	99.11
For >75 To 100, Deduct	-218.27	
For >100, Deduct	-261.93	
For >10 To 50, Deduct	-109.14	
For >50 To 75, Deduct	-152.79	
For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	302.87	
23 81 43 00-0037 EA 11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A) .....	2,380.95	99.11
For >75 To 100, Deduct	-218.27	
For >100, Deduct	-261.93	
For >10 To 50, Deduct	-109.14	
For >50 To 75, Deduct	-152.79	
For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	302.87	
<b>23 81 46 Water-Source Unitary Heat Pumps</b> <small>(23 81)</small>		
<b>23 81 46 00-0001 Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps</b> <small>(23 81 46)</small>		
Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.		
23 81 46 00-0002 EA 7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	3,189.35	212.14
23 81 46 00-0003 EA 9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	3,290.92	212.14
23 81 46 00-0004 EA 12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	3,805.11	233.36
23 81 46 00-0005 EA 19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	4,007.80	254.56
23 81 46 00-0006 EA 24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	4,298.51	275.78
23 81 46 00-0007 EA 30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	5,063.25	297.00

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 46 00-0008	EA		36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	5,173.38	318.21
23 81 46 00-0009	EA		42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	5,644.69	339.42
23 81 46 00-0010	EA		48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	6,025.69	360.63
23 81 46 00-0011	EA		60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	6,124.55	381.85
<b>23 81 49</b>			<b>Split System Heat Pumps (23 81)</b>		
23 81 49 00-0001			<b>Split System Heat Pump (23 81 49)</b> See CSI section 23 23 16 00-0001 for piping.		
23 81 49 00-0002			<b>Air Cooled, Outdoor Section (23 81 49 00-0001)</b>		
23 81 49 00-0003	EA		1.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,168.94	425.55
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For 15 SEER, Add	634.35	
			For 16 SEER, Add	1,022.01	
			For 18 SEER, Add	1,550.63	
			For Low Ambient Protection, 0 Degree F, Add	760.30	
			For Winterstart Control, Add	205.44	
23 81 49 00-0004	EA		2 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,309.26	472.83
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For 15 SEER, Add	646.71	
			For 16 SEER, Add	1,041.92	
			For 18 SEER, Add	1,580.85	
			For Low Ambient Protection, 0 Degree F, Add	789.89	
			For Winterstart Control, Add	215.36	
23 81 49 00-0005	EA		2.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,717.56	548.77
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For 15 SEER, Add	699.57	
			For 16 SEER, Add	1,127.09	
			For 18 SEER, Add	1,710.07	
			For Low Ambient Protection, 0 Degree F, Add	868.47	
			For Winterstart Control, Add	238.56	
23 81 49 00-0006	EA		3 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,159.16	630.44
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For 15 SEER, Add	756.70	
			For 16 SEER, Add	1,219.13	
			For 18 SEER, Add	1,849.71	
			For Low Ambient Protection, 0 Degree F, Add	743.28	
			For Winterstart Control, Add	263.68	
23 81 49 00-0007	EA		3.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,323.71	654.81
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For 15 SEER, Add	779.72	
			For 16 SEER, Add	1,256.22	
			For 18 SEER, Add	1,905.98	
			For Low Ambient Protection, 0 Degree F, Add	767.80	
			For Winterstart Control, Add	272.46	
23 81 49 00-0008	EA		4 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,908.51	752.24
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For 15 SEER, Add	870.10	
			For 16 SEER, Add	1,401.83	
			For 18 SEER, Add	2,126.91	
			For Low Ambient Protection, 0 Degree F, Add	848.72	
			For Winterstart Control, Add	300.82	
23 81 49 00-0009	EA		5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	6,719.39	827.46
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For 15 SEER, Add	996.71	
			For 16 SEER, Add	1,605.82	
			For 18 SEER, Add	2,436.41	
			For Winterstart Control, Add	173.58	
			For Low Ambient Protection, 0 Degree F, Add	572.39	
23 81 49 00-0010	EA		7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit .....	7,026.45	925.10
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Winterstart Control, Add	189.20	
			For Low Ambient Protection, 0 Degree F, Add	615.63	
23 81 49 00-0011	EA		10 Ton, 11.1 EER, Outdoor Heat Pump Unit .....	9,664.60	1,110.11
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	477.70	
			For Winterstart Control, Add	239.60	
23 81 49 00-0012	EA		15 Ton, 10.9 EER, Outdoor Heat Pump Unit .....	12,656.21	1,295.13
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	542.04	
			For Winterstart Control, Add	292.68	
23 81 49 00-0013	EA		20 Ton, 10.3 EER, Outdoor Heat Pump Unit .....	22,435.41	1,387.64
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	576.09	
			For Winterstart Control, Add	402.73	
23 81 49 00-0014			<b>Indoor Section, Horizontal Upflow (23 81 49 00-0001)</b> Note: Electric heat. Includes throwaway filters.		
23 81 49 00-0015	EA		2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat .....	1,228.26	141.41
			For Additional 5 KW Electric Heat, Add	108.62	
23 81 49 00-0016	EA		2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat .....	1,363.19	176.16
			For Additional 5 KW Electric Heat, Add	118.70	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0017 EA 3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	1,437.09 122.39	212.77
23 81 49 00-0018 EA 3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	1,919.05 166.97	249.12
23 81 49 00-0019 EA 4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	1,982.72 170.15	280.83
23 81 49 00-0020 EA 5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	2,204.23 188.19	322.46
23 81 49 00-0021 EA 7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	4,628.36 409.97	528.63
23 81 49 00-0022 EA 10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	6,736.59 614.19	594.71
23 81 49 00-0023 EA 15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	9,368.87 870.81	660.78
23 81 49 00-0024 EA 20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	10,668.21 987.51	792.93
<b>23 81 49 00-0025 Ductless Split System Heat Pumps</b> <small>(23 81 49 00-0001)</small> Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.		
<b>23 81 49 00-0026 Wall Mounted Ductless Split System Heat Pumps</b> <small>(23 81 49 00-0025)</small>		
23 81 49 00-0027 EA 9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,504.39	436.11
23 81 49 00-0028 EA 11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,767.78	475.76
23 81 49 00-0029 EA 17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,360.47	528.63
23 81 49 00-0030 EA 24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,860.71	581.49
23 81 49 00-0031 EA 25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,399.61	634.35
23 81 49 00-0032 EA 29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,226.06	660.78
23 81 49 00-0033 EA 31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,821.63	704.39
<b>23 81 49 00-0034 Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps</b> <small>(23 81 49 00-0025)</small> Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0035 EA 7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,049.83	211.45
23 81 49 00-0036 EA 9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,109.81	224.67
23 81 49 00-0037 EA 11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,170.68	237.88
23 81 49 00-0038 EA 17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,325.82	251.10
23 81 49 00-0039 EA 24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,412.72	264.31
23 81 49 00-0040 EA 19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes outdoor unit and refrigerant charge.	3,036.90	317.18
23 81 49 00-0041 EA 23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes outdoor unit and refrigerant charge.	3,587.76	343.61
23 81 49 00-0042 EA 30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes outdoor unit and refrigerant charge.	5,742.85	370.04
<b>23 81 49 00-0043 Suspended Ceiling Mounted Ductless Split System Heat Pumps</b> <small>(23 81 49 00-0025)</small> Note: Excludes hangers.		
23 81 49 00-0044 EA 24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,753.32	634.35
23 81 49 00-0045 EA 31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,985.24	757.26
23 81 49 00-0046 EA 39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,380.65	792.93
<b>23 81 49 00-0047 Recessed Ceiling Mounted Ductless Split System Heat Pumps</b> <small>(23 81 49 00-0025)</small> Note: Excludes hangers.		
23 81 49 00-0048 EA 11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,853.33	528.63
23 81 49 00-0049 EA 17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,366.13	581.49
23 81 49 00-0050 EA 24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,750.81	687.21
23 81 49 00-0051 EA 32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,626.15	757.26
23 81 49 00-0052 EA 39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,201.11	792.93

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**23 82 Convection Heating and Cooling Units** (23 80)**23 82 16 Air Coils** (23 82)**23 82 16 11 Hydronic Air Coils** (23 82 16)**23 82 16 11-0001 Chilled Water Cooling Coils** (23 82 16 11)

Note: Flanged construction, 16 gauge galvanized steel casing.

**23 82 16 11-0002 2 Row Chilled Water Cooling Coils** (23 82 16 11-0001)

23 82 16 11-0003	EA	12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,773.75	53.04
23 82 16 11-0004	EA	12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,953.04	72.13
23 82 16 11-0005	EA	24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,965.99	113.50
23 82 16 11-0006	EA	24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,776.05	162.28
23 82 16 11-0007	EA	30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,053.98	199.41
23 82 16 11-0008	EA	30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,646.13	241.84
23 82 16 11-0009	EA	30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,037.74	280.02
23 82 16 11-0010	EA	30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,519.09	494.71
23 82 16 11-0011	EA	34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,075.65	188.06
23 82 16 11-0012	EA	34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,208.39	320.22
23 82 16 11-0013	EA	34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,821.93	397.77
23 82 16 11-0014	EA	34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,365.43	480.39
23 82 16 11-0015	EA	34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,940.71	559.41

**23 82 16 11-0016 4 Row Chilled Water Cooling Coils** (23 82 16 11-0001)

23 82 16 11-0017	EA	12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,197.61	110.31
23 82 16 11-0018	EA	12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,545.12	159.11
23 82 16 11-0019	EA	24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,813.04	265.18
23 82 16 11-0020	EA	24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,859.06	393.52
23 82 16 11-0021	EA	30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,762.39	482.62
23 82 16 11-0022	EA	30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,030.88	589.74
23 82 16 11-0023	EA	30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,925.46	707.48
23 82 16 11-0024	EA	30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,672.73	823.52
23 82 16 11-0025	EA	34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,520.32	355.44
23 82 16 11-0026	EA	34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,007.51	534.59
23 82 16 11-0027	EA	34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,752.66	662.93
23 82 16 11-0028	EA	34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,623.51	798.71
23 82 16 11-0029	EA	34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,435.79	933.73

**23 82 16 11-0030 6 Row Chilled Water Cooling Coils** (23 82 16 11-0001)

23 82 16 11-0031	EA	12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,112.30	140.01
23 82 16 11-0032	EA	12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,644.46	207.89
23 82 16 11-0033	EA	24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,923.95	354.27
23 82 16 11-0034	EA	24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,661.16	530.34
23 82 16 11-0035	EA	30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,771.18	662.93
23 82 16 11-0036	EA	30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,933.70	815.67
23 82 16 11-0037	EA	30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	11,548.15	964.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0038 EA 30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,894.29	1,123.59
23 82 16 11-0039 EA 34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,890.55	485.69
23 82 16 11-0040 EA 34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,765.58	728.49
23 82 16 11-0041 EA 34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,819.75	912.19
23 82 16 11-0042 EA 34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,838.96	1,095.81
23 82 16 11-0043 EA 34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,864.62	1,274.85
<b>23 82 16 11-0044 8 Row Chilled Water Cooling Coils (23 82 16 11-0001)</b>		
23 82 16 11-0045 EA 12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,894.67	168.65
23 82 16 11-0046 EA 12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,734.23	258.81
23 82 16 11-0047 EA 24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,016.96	461.40
23 82 16 11-0048 EA 24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,254.90	707.48
23 82 16 11-0049 EA 30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,090.95	884.62
23 82 16 11-0050 EA 30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,861.11	1,060.70
23 82 16 11-0051 EA 30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,809.89	1,178.43
23 82 16 11-0052 EA 30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,461.67	1,366.92
23 82 16 11-0053 EA 34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,842.97	591.87
23 82 16 11-0054 EA 34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,001.86	889.82
23 82 16 11-0055 EA 34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,222.74	1,108.42
23 82 16 11-0056 EA 34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,380.11	1,325.86
23 82 16 11-0057 EA 34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,599.00	1,559.85
<b>23 82 16 11-0058 Hot Water Heating Coils (23 82 16 11)</b>		
Note: Flanged construction.		
<b>23 82 16 11-0059 1 Row Hot Water Heating Coils (23 82 16 11-0058)</b>		
23 82 16 11-0060 EA 12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction	1,378.95	143.19
For 10 Fins Per Inch, Add	21.85	
For 230 PSIG Heavy Duty, Add	304.46	
For 12 Fins Per Inch, Add	54.61	
23 82 16 11-0061 EA 12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction	2,053.80	183.50
For 10 Fins Per Inch, Add	33.76	
For 230 PSIG Heavy Duty, Add	447.34	
For 12 Fins Per Inch, Add	84.40	
23 82 16 11-0062 EA 24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction	2,491.03	252.45
For 10 Fins Per Inch, Add	39.72	
For 230 PSIG Heavy Duty, Add	548.72	
For 12 Fins Per Inch, Add	99.30	
23 82 16 11-0063 EA 24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	2,941.32	354.27
For 10 Fins Per Inch, Add	44.68	
For 230 PSIG Heavy Duty, Add	658.98	
For 12 Fins Per Inch, Add	111.71	
23 82 16 11-0064 EA 30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,330.99	424.28
For 10 Fins Per Inch, Add	49.65	
For 230 PSIG Heavy Duty, Add	751.05	
For 12 Fins Per Inch, Add	124.12	
23 82 16 11-0065 EA 30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction	3,890.67	530.34
For 10 Fins Per Inch, Add	56.60	
For 230 PSIG Heavy Duty, Add	884.20	
For 12 Fins Per Inch, Add	141.50	
23 82 16 11-0066 EA 30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	4,356.06	588.69
For 10 Fins Per Inch, Add	63.55	
For 230 PSIG Heavy Duty, Add	989.07	
For 12 Fins Per Inch, Add	158.88	
23 82 16 11-0067 EA 30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	5,401.59	684.46
For 10 Fins Per Inch, Add	80.55	
For 230 PSIG Heavy Duty, Add	1,217.71	
For 12 Fins Per Inch, Add	201.38	
23 82 16 11-0068 EA 34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction	2,332.17	296.58
For 10 Fins Per Inch, Add	34.78	
For 230 PSIG Heavy Duty, Add	525.76	
For 12 Fins Per Inch, Add	86.95	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 82 Convection Heating and Cooling Units**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0069	EA		34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,498.23	444.96
			<i>For 10 Fins Per Inch, Add</i>	52.17	
			<i>For 230 PSIG Heavy Duty, Add</i>	788.63	
			<i>For 12 Fins Per Inch, Add</i>	130.42	
23 82 16 11-0070	EA		34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	5,258.66	673.01
			<i>For 10 Fins Per Inch, Add</i>	78.25	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,186.34	
			<i>For 12 Fins Per Inch, Add</i>	195.63	
23 82 16 11-0071	EA		34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	6,124.50	779.93
			<i>For 10 Fins Per Inch, Add</i>	91.29	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,380.88	
			<i>For 12 Fins Per Inch, Add</i>	228.23	
23 82 16 11-0072	SF		>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction.....	278.38	39.25
			<i>For 10 Fins Per Inch, Add</i>	4.00	
			<i>For 230 PSIG Heavy Duty, Add</i>	63.53	
			<i>For 12 Fins Per Inch, Add</i>	9.99	
<b>23 82 16 11-0073</b>			<b>2 Row Hot Water Heating Coils (23 82 16 11-0058)</b>		
23 82 16 11-0074	EA		12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,240.22	177.14
			<i>For 10 Fins Per Inch, Add</i>	37.73	
			<i>For 230 PSIG Heavy Duty, Add</i>	483.40	
			<i>For 12 Fins Per Inch, Add</i>	94.33	
23 82 16 11-0075	EA		12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,407.72	235.47
			<i>For 10 Fins Per Inch, Add</i>	38.73	
			<i>For 230 PSIG Heavy Duty, Add</i>	528.69	
			<i>For 12 Fins Per Inch, Add</i>	96.82	
23 82 16 11-0076	EA		24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,239.21	354.27
			<i>For 10 Fins Per Inch, Add</i>	50.64	
			<i>For 230 PSIG Heavy Duty, Add</i>	718.56	
			<i>For 12 Fins Per Inch, Add</i>	126.60	
23 82 16 11-0077	EA		24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,889.81	504.89
			<i>For 10 Fins Per Inch, Add</i>	57.59	
			<i>For 230 PSIG Heavy Duty, Add</i>	878.98	
			<i>For 12 Fins Per Inch, Add</i>	143.98	
23 82 16 11-0078	EA		30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,475.04	623.69
			<i>For 10 Fins Per Inch, Add</i>	64.54	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,019.80	
			<i>For 12 Fins Per Inch, Add</i>	161.36	
23 82 16 11-0079	EA		30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,742.44	757.34
			<i>For 10 Fins Per Inch, Add</i>	64.54	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,100.02	
			<i>For 12 Fins Per Inch, Add</i>	161.36	
23 82 16 11-0080	EA		30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	5,342.53	884.62
			<i>For 10 Fins Per Inch, Add</i>	71.49	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,245.29	
			<i>For 12 Fins Per Inch, Add</i>	178.74	
23 82 16 11-0081	EA		30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	6,586.73	1,027.82
			<i>For 10 Fins Per Inch, Add</i>	90.62	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,522.91	
			<i>For 12 Fins Per Inch, Add</i>	226.56	
23 82 16 11-0082	EA		34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,843.14	443.48
			<i>For 10 Fins Per Inch, Add</i>	39.13	
			<i>For 230 PSIG Heavy Duty, Add</i>	657.32	
			<i>For 12 Fins Per Inch, Add</i>	97.81	
23 82 16 11-0083	EA		34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,266.95	666.22
			<i>For 10 Fins Per Inch, Add</i>	58.69	
			<i>For 230 PSIG Heavy Duty, Add</i>	986.64	
			<i>For 12 Fins Per Inch, Add</i>	146.72	
23 82 16 11-0084	EA		34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	6,410.52	1,004.48
			<i>For 10 Fins Per Inch, Add</i>	88.03	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,482.99	
			<i>For 12 Fins Per Inch, Add</i>	220.08	
23 82 16 11-0085	EA		34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	7,481.95	1,173.34
			<i>For 10 Fins Per Inch, Add</i>	102.71	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,731.06	
			<i>For 12 Fins Per Inch, Add</i>	256.76	
<b>23 82 16 11-0086</b>			<b>Hot Water Preheat Coils For Multi-Zone Air Handling Units (23 82 16 11)</b>		
			Note: 2 Row coils. Coils are sized by air handling unit capacity.		
23 82 16 11-0087	EA		3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,822.53	134.71
23 82 16 11-0088	EA		4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,338.88	133.65
23 82 16 11-0089	EA		5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,873.37	143.19
23 82 16 11-0090	EA		6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,340.53	155.92
23 82 16 11-0091	EA		7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,354.93	163.35
23 82 16 11-0092	EA		9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,065.80	171.83
23 82 16 11-0093	EA		11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,208.65	193.05
23 82 16 11-0094	EA		13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,653.06	216.38
23 82 16 11-0095	EA		16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,234.03	258.81
23 82 16 11-0096	EA		19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,707.40	271.54
23 82 16 11-0097	EA		22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	7,325.56	287.45
23 82 16 11-0098	EA		27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	9,325.26	393.52
23 82 16 11-0099	EA		34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	11,718.16	482.62
23 82 16 11-0100	EA		40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	13,661.70	504.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0101 EA 47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	16,048.30	588.69
<b>23 82 16 12 Steam Air Coils (23 82 16)</b>		
<b>23 82 16 12-0001 Steam Heating Coils (23 82 16 12)</b>		
Note: Flanged construction.		
23 82 16 12-0002 EA 12" x 12" Steam Heating Coils, 1 Row Flanged Construction.....	2,166.82	99.71
<i>For 2 Row Coil, Add</i>	689.70	
<i>For 4 Row Coil, Add</i>	1,818.71	
23 82 16 12-0003 EA 12" x 24" Steam Heating Coils, 1 Row Flanged Construction.....	2,384.68	137.89
<i>For 2 Row Coil, Add</i>	770.51	
<i>For 4 Row Coil, Add</i>	2,026.21	
23 82 16 12-0004 EA 24" x 30" Steam Heating Coils, 1 Row Flanged Construction.....	3,094.66	247.14
<i>For 2 Row Coil, Add</i>	1,027.07	
<i>For 4 Row Coil, Add</i>	2,687.87	
23 82 16 12-0005 EA 24" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	3,870.89	354.27
<i>For 2 Row Coil, Add</i>	1,302.69	
<i>For 4 Row Coil, Add</i>	3,400.78	
23 82 16 12-0006 EA 30" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	4,293.54	424.28
<i>For 2 Row Coil, Add</i>	1,457.77	
<i>For 4 Row Coil, Add</i>	3,799.71	
23 82 16 12-0007 EA 30" x 60" Steam Heating Coils, 1 Row Flanged Construction.....	4,786.90	530.34
<i>For 2 Row Coil, Add</i>	1,648.21	
<i>For 4 Row Coil, Add</i>	4,285.62	
23 82 16 12-0008 EA 30" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	5,256.28	588.69
<i>For 2 Row Coil, Add</i>	1,812.59	
<i>For 4 Row Coil, Add</i>	4,711.80	
23 82 16 12-0009 EA 30" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	6,542.63	687.01
<i>For 2 Row Coil, Add</i>	2,237.58	
<i>For 4 Row Coil, Add</i>	5,824.90	
23 82 16 12-0010 EA 34" x 32" Steam Heating Coils, 1 Row Flanged Construction.....	2,824.81	296.58
<i>For 2 Row Coil, Add</i>	966.09	
<i>For 4 Row Coil, Add</i>	2,514.94	
23 82 16 12-0011 EA 34" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	4,237.22	444.96
<i>For 2 Row Coil, Add</i>	1,449.14	
<i>For 4 Row Coil, Add</i>	3,772.41	
23 82 16 12-0012 EA 34" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	6,353.55	666.22
<i>For 2 Row Coil, Add</i>	2,172.57	
<i>For 4 Row Coil, Add</i>	5,655.83	
23 82 16 12-0013 EA 34" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	7,417.71	779.93
<i>For 2 Row Coil, Add</i>	2,537.28	
<i>For 4 Row Coil, Add</i>	6,604.90	
<b>23 82 16 13 Refrigerant Air Coils (23 82 16)</b>		
<b>23 82 16 13-0001 Direct Expansion Cooling Coils (23 82 16 13)</b>		
Note: Flanged construction 16 gauge galvanized steel casing.		
<b>23 82 16 13-0002 2 Row Direct Expansion Cooling Coils (23 82 16 13-0001)</b>		
23 82 16 13-0003 EA 12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,701.76	79.55
<i>For 12 Fins Per Inch, Add</i>	77.11	
<i>For 10 Fins Per Inch, Add</i>	30.85	
23 82 16 13-0004 EA 12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,303.22	109.25
<i>For 12 Fins Per Inch, Add</i>	154.23	
<i>For 10 Fins Per Inch, Add</i>	61.69	
23 82 16 13-0005 EA 24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,541.38	171.83
<i>For 12 Fins Per Inch, Add</i>	209.96	
<i>For 10 Fins Per Inch, Add</i>	83.98	
23 82 16 13-0006 EA 24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,456.07	247.14
<i>For 12 Fins Per Inch, Add</i>	248.14	
<i>For 10 Fins Per Inch, Add</i>	99.25	
23 82 16 13-0007 EA 30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,332.32	302.30
<i>For 12 Fins Per Inch, Add</i>	286.31	
<i>For 10 Fins Per Inch, Add</i>	114.52	
23 82 16 13-0008 EA 30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,068.52	365.94
<i>For 12 Fins Per Inch, Add</i>	316.85	
<i>For 10 Fins Per Inch, Add</i>	126.74	
23 82 16 13-0009 EA 30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,101.76	424.28
<i>For 12 Fins Per Inch, Add</i>	362.66	
<i>For 10 Fins Per Inch, Add</i>	145.06	
23 82 16 13-0010 EA 30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,183.22	494.71
<i>For 12 Fins Per Inch, Add</i>	459.69	
<i>For 10 Fins Per Inch, Add</i>	183.88	
23 82 16 13-0011 EA 34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,910.75	188.06
<i>For 12 Fins Per Inch, Add</i>	176.73	
<i>For 10 Fins Per Inch, Add</i>	70.69	
23 82 16 13-0012 EA 34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,004.76	320.22
<i>For 12 Fins Per Inch, Add</i>	218.21	
<i>For 10 Fins Per Inch, Add</i>	87.29	
23 82 16 13-0013 EA 34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,124.53	480.39
<i>For 12 Fins Per Inch, Add</i>	258.19	
<i>For 10 Fins Per Inch, Add</i>	103.28	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0014	EA		34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,681.04	559.41
			<i>For 12 Fins Per Inch, Add</i>	278.11	
			<i>For 10 Fins Per Inch, Add</i>	111.24	
<b>23 82 16 13-0015</b>			<b>4 Row Direct Expansion Cooling Coils</b> <small>(23 82 16 13-0001)</small>		
23 82 16 13-0016	EA		12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,839.77	110.31
			<i>For 12 Fins Per Inch, Add</i>	130.94	
			<i>For 10 Fins Per Inch, Add</i>	52.38	
23 82 16 13-0017	EA		12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,057.75	159.11
			<i>For 12 Fins Per Inch, Add</i>	187.06	
			<i>For 10 Fins Per Inch, Add</i>	74.82	
23 82 16 13-0018	EA		24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,493.06	265.18
			<i>For 12 Fins Per Inch, Add</i>	248.14	
			<i>For 10 Fins Per Inch, Add</i>	99.25	
23 82 16 13-0019	EA		24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,664.61	393.52
			<i>For 12 Fins Per Inch, Add</i>	293.95	
			<i>For 10 Fins Per Inch, Add</i>	117.58	
23 82 16 13-0020	EA		30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,683.03	482.62
			<i>For 12 Fins Per Inch, Add</i>	335.94	
			<i>For 10 Fins Per Inch, Add</i>	134.38	
23 82 16 13-0021	EA		30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	9,118.90	589.74
			<i>For 12 Fins Per Inch, Add</i>	397.02	
			<i>For 10 Fins Per Inch, Add</i>	158.81	
23 82 16 13-0022	EA		30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,118.10	707.48
			<i>For 12 Fins Per Inch, Add</i>	435.19	
			<i>For 10 Fins Per Inch, Add</i>	174.08	
23 82 16 13-0023	EA		30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	9,788.28	823.52
			<i>For 12 Fins Per Inch, Add</i>	407.06	
			<i>For 10 Fins Per Inch, Add</i>	162.82	
23 82 16 13-0024	EA		34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,283.96	355.44
			<i>For 12 Fins Per Inch, Add</i>	278.65	
			<i>For 10 Fins Per Inch, Add</i>	111.46	
23 82 16 13-0025	EA		34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,950.40	534.59
			<i>For 12 Fins Per Inch, Add</i>	344.06	
			<i>For 10 Fins Per Inch, Add</i>	137.62	
23 82 16 13-0026	EA		34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,907.86	940.31
			<i>For 12 Fins Per Inch, Add</i>	501.36	
			<i>For 10 Fins Per Inch, Add</i>	200.54	
23 82 16 13-0027	EA		34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,620.01	1,095.81
			<i>For 12 Fins Per Inch, Add</i>	571.42	
			<i>For 10 Fins Per Inch, Add</i>	228.57	
<b>23 82 16 13-0028</b>			<b>6 Row Direct Expansion Cooling Coils</b> <small>(23 82 16 13-0001)</small>		
23 82 16 13-0029	EA		12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,638.51	138.95
			<i>For 12 Fins Per Inch, Add</i>	167.97	
			<i>For 10 Fins Per Inch, Add</i>	67.19	
23 82 16 13-0030	EA		12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,157.09	207.89
			<i>For 12 Fins Per Inch, Add</i>	187.06	
			<i>For 10 Fins Per Inch, Add</i>	74.82	
23 82 16 13-0031	EA		24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,975.25	354.27
			<i>For 12 Fins Per Inch, Add</i>	263.41	
			<i>For 10 Fins Per Inch, Add</i>	105.36	
23 82 16 13-0032	EA		24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,550.41	530.34
			<i>For 12 Fins Per Inch, Add</i>	324.49	
			<i>For 10 Fins Per Inch, Add</i>	129.79	
23 82 16 13-0033	EA		30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	9,953.35	662.93
			<i>For 12 Fins Per Inch, Add</i>	431.37	
			<i>For 10 Fins Per Inch, Add</i>	172.55	
23 82 16 13-0034	EA		30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,251.88	815.67
			<i>For 12 Fins Per Inch, Add</i>	481.00	
			<i>For 10 Fins Per Inch, Add</i>	192.40	
23 82 16 13-0035	EA		30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,075.57	964.17
			<i>For 12 Fins Per Inch, Add</i>	557.35	
			<i>For 10 Fins Per Inch, Add</i>	222.94	
23 82 16 13-0036	EA		30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	12,267.28	1,123.59
			<i>For 12 Fins Per Inch, Add</i>	501.00	
			<i>For 10 Fins Per Inch, Add</i>	200.40	
23 82 16 13-0037	EA		34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,830.41	485.69
			<i>For 12 Fins Per Inch, Add</i>	342.95	
			<i>For 10 Fins Per Inch, Add</i>	137.18	
23 82 16 13-0038	EA		34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	9,926.05	728.49
			<i>For 12 Fins Per Inch, Add</i>	423.45	
			<i>For 10 Fins Per Inch, Add</i>	169.38	
23 82 16 13-0039	EA		34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	12,194.05	1,086.78
			<i>For 12 Fins Per Inch, Add</i>	501.02	
			<i>For 10 Fins Per Inch, Add</i>	200.41	
23 82 16 13-0040	EA		34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,343.65	1,274.85
			<i>For 12 Fins Per Inch, Add</i>	539.70	
			<i>For 10 Fins Per Inch, Add</i>	215.88	
<b>23 82 16 13-0041</b>			<b>8 Row Direct Expansion Cooling Coils</b> <small>(23 82 16 13-0001)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0042 EA 12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 12 Fins Per Inch, Add</i> <i>For 10 Fins Per Inch, Add</i>	4,535.95 209.96 83.98	167.59
23 82 16 13-0043 EA 12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 12 Fins Per Inch, Add</i> <i>For 10 Fins Per Inch, Add</i>	5,403.78 244.32 97.73	258.81
23 82 16 13-0044 EA 24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 12 Fins Per Inch, Add</i> <i>For 10 Fins Per Inch, Add</i>	7,984.67 353.12 141.25	461.40
23 82 16 13-0045 EA 24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 12 Fins Per Inch, Add</i> <i>For 10 Fins Per Inch, Add</i>	10,499.85 454.28 181.71	707.48
23 82 16 13-0046 EA 30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 12 Fins Per Inch, Add</i> <i>For 10 Fins Per Inch, Add</i>	12,571.29 540.17 216.07	884.62
23 82 16 13-0047 EA 30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 12 Fins Per Inch, Add</i> <i>For 10 Fins Per Inch, Add</i>	14,566.37 622.25 248.90	1,060.70
23 82 16 13-0048 EA 30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 12 Fins Per Inch, Add</i> <i>For 10 Fins Per Inch, Add</i>	16,787.16 721.50 288.60	1,178.43
23 82 16 13-0049 EA 30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 12 Fins Per Inch, Add</i> <i>For 10 Fins Per Inch, Add</i>	14,006.28 563.63 225.45	1,366.92
23 82 16 13-0050 EA 34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 12 Fins Per Inch, Add</i> <i>For 10 Fins Per Inch, Add</i>	8,900.32 385.83 154.33	591.87
23 82 16 13-0051 EA 34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 12 Fins Per Inch, Add</i> <i>For 10 Fins Per Inch, Add</i>	11,307.39 476.39 190.55	889.82
23 82 16 13-0052 EA 34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 12 Fins Per Inch, Add</i> <i>For 10 Fins Per Inch, Add</i>	13,951.57 563.65 225.46	1,339.23
23 82 16 13-0053 EA 34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 12 Fins Per Inch, Add</i> <i>For 10 Fins Per Inch, Add</i>	15,262.92 607.16 242.86	1,559.85

**23 82 16 14 Electric-Resistance Air Coils (23 82 16)**

23 82 16 14-0001	Standard Electric Slip-In Blast Coil Heater (23 82 16 14)		
23 82 16 14-0002	Electric Slip-In Blast Coil Heater With Open Coil Element (23 82 16 14-0001)		
23 82 16 14-0003	EA 1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	543.69	101.76
23 82 16 14-0004	EA 1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	560.63	109.69
23 82 16 14-0005	EA 2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	580.65	120.26
23 82 16 14-0006	EA 3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	587.39	124.23
23 82 16 14-0007	EA 4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	604.68	132.15
23 82 16 14-0008	EA 5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	624.58	142.73
23 82 16 14-0009	EA 6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	717.86	159.91
23 82 16 14-0010	EA 7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	733.98	167.84
23 82 16 14-0011	EA 8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	747.19	173.12
23 82 16 14-0012	EA 9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	766.51	183.70
23 82 16 14-0013	EA 10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	836.73	194.27
23 82 16 14-0014	EA 12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	874.35	212.77
23 82 16 14-0015	EA 15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	911.75	231.28
23 82 16 14-0016	EA 20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	950.21	249.78
23 82 16 14-0017	EA 30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,278.83	348.89
23 82 16 14-0018	EA 40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,226.02	371.36
23 82 16 14-0019	EA 50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,450.71	425.54
23 82 16 14-0020	EA 60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,888.55	471.80
23 82 16 14-0021	EA 70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,034.95	512.77
23 82 16 14-0022	EA 80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,325.52	562.98
23 82 16 14-0023	EA 90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	4,065.06	601.31
23 82 16 14-0024	EA 100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	4,462.52	646.24
23 82 16 14-0025	EA 125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	5,398.71	697.78
23 82 16 14-0026	EA 150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	6,074.13	758.57

**23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element (23 82 16 14-0001)**

23 82 16 14-0028	EA 1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	878.99	145.37
23 82 16 14-0029	EA 2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	908.74	158.58
23 82 16 14-0030	EA 3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	918.63	158.58
23 82 16 14-0031	EA 4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	994.01	174.44
23 82 16 14-0032	EA 5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,035.52	174.44
23 82 16 14-0033	EA 6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,057.60	174.44
23 82 16 14-0034	EA 8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,114.25	194.27
23 82 16 14-0035	EA 9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,167.89	218.06
23 82 16 14-0036	EA 10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,189.98	218.06
23 82 16 14-0037	EA 15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,341.10	249.78
23 82 16 14-0038	EA 20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,694.10	249.78
23 82 16 14-0039	EA 25 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,801.24	270.92
23 82 16 14-0040	EA 30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,110.65	290.74

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 14-0041	EA		40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,490.53	290.74
23 82 16 14-0042	EA		45 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,714.22	303.96
23 82 16 14-0043	EA		50 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,845.94	303.96
<b>23 82 19</b>			<b>Fan Coil Units (23 82)</b>		
23 82 19 00-0001			<b>Ceiling Suspended Horizontal Fan Coil Units (23 82 19)</b>		
			Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.		
23 82 19 00-0002			<b>Horizontal Fan Coil Units With Electric Heating Coil (23 82 19 00-0001)</b>		
23 82 19 00-0003	EA		200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	2,025.66	171.83
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.11	
23 82 19 00-0004	EA		300 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	2,226.50	200.48
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-55.01	
23 82 19 00-0005	EA		400 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	2,464.24	225.93
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-57.57	
23 82 19 00-0006	EA		600 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	2,859.67	258.81
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-60.87	
23 82 19 00-0007	EA		800 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	3,215.59	271.54
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-105.80	
23 82 19 00-0008	EA		1,000 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	4,416.12	287.45
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-108.00	
23 82 19 00-0009	EA		1,200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	5,381.64	311.85
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-111.79	
23 82 19 00-0010			<b>Horizontal Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0001)</b>		
23 82 19 00-0011	EA		200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,083.27	171.83
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.11	
23 82 19 00-0012	EA		300 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,322.53	200.48
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-55.01	
23 82 19 00-0013	EA		400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,574.91	225.93
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-57.57	
23 82 19 00-0014	EA		600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,079.26	258.81
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-60.87	
23 82 19 00-0015	EA		800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,471.77	272.60
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-105.80	
23 82 19 00-0016	EA		1,000 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,782.10	287.45
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-108.00	
23 82 19 00-0017	EA		1,200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	6,077.00	311.85
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-111.79	
23 82 19 00-0018			<b>Floor Mounted Vertical Fan Coil Units (23 82 19)</b>		
			Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.		
23 82 19 00-0019			<b>Vertical Fan Coil Units With Electric Heating Coil (23 82 19 00-0018)</b>		
23 82 19 00-0020	EA		200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,952.46	170.77
			<i>For Thru-Wall Sleeve, Add</i>	123.43	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.11	
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-258.65	
23 82 19 00-0021	EA		300 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,230.16	200.48
			<i>For Thru-Wall Sleeve, Add</i>	135.05	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-55.01	
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-294.50	
23 82 19 00-0022	EA		400 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,647.23	225.93
			<i>For Thru-Wall Sleeve, Add</i>	145.27	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-57.57	
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-351.95	
23 82 19 00-0023	EA		600 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,042.66	258.81
			<i>For Thru-Wall Sleeve, Add</i>	158.48	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-60.87	
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-404.66	
23 82 19 00-0024	EA		800 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,435.18	272.60
			<i>For Thru-Wall Sleeve, Add</i>	163.79	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-105.80	
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-460.88	
23 82 19 00-0025	EA		1,000 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	4,416.12	287.45
			<i>For Thru-Wall Sleeve, Add</i>	169.67	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-108.00	
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-605.08	
23 82 19 00-0026	EA		1,200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	5,198.66	311.85
			<i>For Thru-Wall Sleeve, Add</i>	179.79	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-111.79	
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-717.41	
23 82 19 00-0027			<b>Vertical Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0018)</b>		
23 82 19 00-0028	EA		200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet .....	2,172.05	170.77
			<i>For Thru-Wall Sleeve, Add</i>	123.43	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.11	
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-291.59	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0029 EA 300 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i> <i>For Fan Coil Units Without Cabinet, Deduct</i>	2,449.75 135.05 -55.01 -327.44	200.48
23 82 19 00-0030 EA 400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i> <i>For Fan Coil Units Without Cabinet, Deduct</i>	3,013.21 145.27 -57.57 -406.85	225.93
23 82 19 00-0031 EA 600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i> <i>For Fan Coil Units Without Cabinet, Deduct</i>	3,445.23 158.48 -60.87 -465.04	258.81
23 82 19 00-0032 EA 800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i> <i>For Fan Coil Units Without Cabinet, Deduct</i>	3,837.75 163.79 -105.80 -521.27	272.60
23 82 19 00-0033 EA 1,000 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i> <i>For Fan Coil Units Without Cabinet, Deduct</i>	4,599.11 169.67 -108.00 -632.53	287.45
23 82 19 00-0034 EA 1,200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i> <i>For Fan Coil Units Without Cabinet, Deduct</i>	5,381.64 179.79 -111.79 -744.85	311.85
<b>23 82 19 00-0035 Hi-Wall Chilled Water Fan Coil Units (23 82 19)</b>		
23 82 19 00-0036 EA 9,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-9) ..... <i>Note: Includes LCD remote and wall bracket.</i>	1,911.91	200.48
23 82 19 00-0037 EA 12,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-12) ..... <i>Note: Includes LCD remote and wall bracket.</i>	2,151.96	225.93
23 82 19 00-0038 EA 18,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-18) ..... <i>Note: Includes LCD remote and wall bracket.</i>	3,043.44	258.81
23 82 19 00-0039 EA 24,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-24) ..... <i>Note: Includes LCD remote and wall bracket.</i>	3,358.39	272.60
23 82 19 00-0040 EA 36,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-36) ..... <i>Note: Includes LCD remote and wall bracket.</i>	3,586.69	287.45
<b>23 82 19 00-0041 Removal And Reinstallation Of Fan Coil Units (23 82 19)</b>		
23 82 19 00-0042 EA Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical .....	450.98	
<b>23 82 29 Radiators (23 82)</b>		
<b>23 82 29 00-0001 Demolish Cast Iron Radiators (23 82 29)</b>		
23 82 29 00-0002 LF Demolish Cast Iron Radiator.....	31.81	
23 82 29 00-0003 EA Cap Radiator.....	51.77	
<b>23 82 29 00-0004 Cast Iron Radiator (23 82 29)</b>		
23 82 29 00-0005 EA 19" High Cast Iron Radiator Section, Free Standing..... <i>For Wall Support Bracket, Add</i>	70.72 27.70	
23 82 29 00-0006 EA 25" High Cast Iron Radiator Section, Free Standing..... <i>For Wall Support Bracket, Add</i>	104.11 29.07	
23 82 29 00-0007 EA 30" High Cast Iron Radiator Section, Free Standing.....	122.46	
23 82 29 00-0008 EA 36" High Cast Iron Radiator Section, Free Standing.....	156.67	
23 82 29 00-0009 EA 20" High Cast Iron Radiator Section, Recessed With Grille.....	95.71	
<b>23 82 29 00-0010 Radiator Covers (23 82 29)</b>		
<i>Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.</i>		
23 82 29 00-0011 SF 14 Gauge Stainless Steel Radiator Cover .....	125.85	7.18
23 82 29 00-0012 SF Primed And Painted, Galvanized Steel Radiator Cover.....	79.39	7.18
<b>23 82 29 00-0013 Radiator Shields (23 82 29)</b>		
23 82 29 00-0014 SF Stainless Steel Radiator Shield.....	78.06	7.18
23 82 29 00-0015 SF Primed And Painted, Galvanized Steel Radiator Shield .....	49.80	7.18
<b>23 82 29 00-0016 Removal And Reinstallation Of Radiator (23 82 29)</b>		
<i>Note: Includes storage and cleaning.</i>		
23 82 29 00-0017 LF Removal And Reinstallation Of Cast Iron Radiator.....	79.55	
23 82 29 00-0018 LF Removal And Reinstallation Of Electric Radiator.....	53.04	
<b>23 82 33 Convectors (23 82)</b>		
<b>23 82 33 00-0001 Multi-Fin Convectors For Two-Pipe System (23 82 33)</b>		
<i>Note: Complete with 6-1/4" deep cabinet enclosure.</i>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 82 Convection Heating and Cooling Units**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0002			<b>20" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)</b>		
23 82 33 00-0003	EA		20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	487.40	116.67
			For 3 Tubes System, Add	108.72	
			For Metal Trim Strips, Add	59.03	
			For Knob Operated Damper, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For Access Doors Hinged, Add	15.00	
			For Snap-On Inlet Grille, Add	45.36	
23 82 33 00-0004	EA		20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	572.50	127.29
			For 3 Tubes System, Add	132.88	
			For Metal Trim Strips, Add	63.86	
			For Knob Operated Damper, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For Access Doors Hinged, Add	15.00	
			For Snap-On Inlet Grille, Add	48.57	
23 82 33 00-0005	EA		20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	659.43	150.62
			For 3 Tubes System, Add	151.00	
			For Metal Trim Strips, Add	74.40	
			For Knob Operated Damper, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For Access Doors Hinged, Add	15.00	
			For Snap-On Inlet Grille, Add	55.60	
23 82 33 00-0006	EA		20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	788.70	175.01
			For 3 Tubes System, Add	183.24	
			For Metal Trim Strips, Add	85.55	
			For Knob Operated Damper, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For Access Doors Hinged, Add	15.00	
			For Snap-On Inlet Grille, Add	63.03	
23 82 33 00-0007	EA		20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	940.75	210.02
			For 3 Tubes System, Add	217.91	
			For Metal Trim Strips, Add	101.45	
			For Knob Operated Damper, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For Access Doors Hinged, Add	15.00	
			For Snap-On Inlet Grille, Add	73.63	
23 82 33 00-0008	EA		20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,057.43	231.02
			For 3 Tubes System, Add	247.63	
			For Metal Trim Strips, Add	110.98	
			For Knob Operated Damper, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For Access Doors Hinged, Add	15.00	
			For Snap-On Inlet Grille, Add	79.99	
23 82 33 00-0009	EA		20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,230.69	280.02
			For 3 Tubes System, Add	282.29	
			For Metal Trim Strips, Add	133.24	
			For Knob Operated Damper, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For Access Doors Hinged, Add	15.00	
			For Snap-On Inlet Grille, Add	94.83	
23 82 33 00-0010	EA		20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,342.12	297.52
			For 3 Tubes System, Add	312.01	
			For Metal Trim Strips, Add	141.20	
			For Knob Operated Damper, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For Access Doors Hinged, Add	15.00	
			For Snap-On Inlet Grille, Add	100.13	
23 82 33 00-0011	EA		20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,465.85	332.53
			For 3 Tubes System, Add	336.77	
			For Metal Trim Strips, Add	157.10	
			For Knob Operated Damper, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For Access Doors Hinged, Add	15.00	
			For Snap-On Inlet Grille, Add	110.73	
23 82 33 00-0012	EA		20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,617.97	367.53
			For 3 Tubes System, Add	371.43	
			For Metal Trim Strips, Add	173.02	
			For Knob Operated Damper, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For Access Doors Hinged, Add	15.00	
			For Snap-On Inlet Grille, Add	121.35	
23 82 33 00-0013	EA		20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,741.72	402.53
			For 3 Tubes System, Add	396.20	
			For Metal Trim Strips, Add	188.92	
			For Knob Operated Damper, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For Access Doors Hinged, Add	15.00	
			For Snap-On Inlet Grille, Add	131.95	

23 82 33 00-0014 **26" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0015 EA 26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	575.33	153.48
<i>For 3 Tubes System, Add</i>	120.80	
<i>For Metal Trim Strips, Add</i>	75.06	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Snap-On Inlet Grille, Add</i>	56.04	
23 82 33 00-0016 EA 26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	675.20	178.30
<i>For 3 Tubes System, Add</i>	142.76	
<i>For Metal Trim Strips, Add</i>	86.19	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Snap-On Inlet Grille, Add</i>	63.46	
23 82 33 00-0017 EA 26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	815.83	209.39
<i>For 3 Tubes System, Add</i>	175.71	
<i>For Metal Trim Strips, Add</i>	100.14	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Snap-On Inlet Grille, Add</i>	72.76	
23 82 33 00-0018 EA 26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	954.30	233.46
<i>For 3 Tubes System, Add</i>	211.56	
<i>For Metal Trim Strips, Add</i>	110.95	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Snap-On Inlet Grille, Add</i>	79.97	
23 82 33 00-0019 EA 26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,112.25	262.53
<i>For 3 Tubes System, Add</i>	251.59	
<i>For Metal Trim Strips, Add</i>	124.03	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Snap-On Inlet Grille, Add</i>	88.69	
23 82 33 00-0020 EA 26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,243.16	284.37
<i>For 3 Tubes System, Add</i>	285.89	
<i>For Metal Trim Strips, Add</i>	133.90	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Snap-On Inlet Grille, Add</i>	95.26	
23 82 33 00-0021 EA 26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,417.76	324.04
<i>For 3 Tubes System, Add</i>	325.92	
<i>For Metal Trim Strips, Add</i>	151.97	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Snap-On Inlet Grille, Add</i>	107.31	
23 82 33 00-0022 EA 26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,545.12	343.88
<i>For 3 Tubes System, Add</i>	360.23	
<i>For Metal Trim Strips, Add</i>	160.77	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Snap-On Inlet Grille, Add</i>	113.18	
23 82 33 00-0023 EA 26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,672.72	374.95
<i>For 3 Tubes System, Add</i>	388.82	
<i>For Metal Trim Strips, Add</i>	174.54	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Snap-On Inlet Grille, Add</i>	122.36	
23 82 33 00-0024 EA 26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,833.47	405.40
<i>For 3 Tubes System, Add</i>	428.84	
<i>For Metal Trim Strips, Add</i>	188.46	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Snap-On Inlet Grille, Add</i>	131.64	
23 82 33 00-0025 EA 26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,956.89	433.30
<i>For 3 Tubes System, Add</i>	457.43	
<i>For Metal Trim Strips, Add</i>	200.98	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Snap-On Inlet Grille, Add</i>	139.99	
<b>23 82 33 00-0026 32" High Multi-Fin Convectors For Two-Pipe System</b> <small>(23 82 33 00-0001)</small>		
23 82 33 00-0027 EA 32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	662.36	186.69
<i>For 3 Tubes System, Add</i>	132.88	
<i>For Metal Trim Strips, Add</i>	90.81	
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Snap-On Inlet Grille, Add</i>	66.54	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 82 Convection Heating and Cooling Units**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0028	EA		32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	790.84	225.93
			<i>For 3 Tubes System, Add</i>	157.04	
			<i>For Metal Trim Strips, Add</i>	108.65	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	78.43	
23 82 33 00-0029	EA		32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	952.18	264.11
			<i>For 3 Tubes System, Add</i>	193.28	
			<i>For Metal Trim Strips, Add</i>	125.99	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	89.99	
23 82 33 00-0030	EA		32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,099.77	287.02
			<i>For 3 Tubes System, Add</i>	232.72	
			<i>For Metal Trim Strips, Add</i>	136.46	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	96.97	
23 82 33 00-0031	EA		32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,260.20	310.14
			<i>For 3 Tubes System, Add</i>	276.75	
			<i>For Metal Trim Strips, Add</i>	146.85	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	103.90	
23 82 33 00-0032	EA		32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,402.17	332.53
			<i>For 3 Tubes System, Add</i>	314.48	
			<i>For Metal Trim Strips, Add</i>	157.10	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	110.73	
23 82 33 00-0033	EA		32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,570.61	360.53
			<i>For 3 Tubes System, Add</i>	358.51	
			<i>For Metal Trim Strips, Add</i>	169.89	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	119.26	
23 82 33 00-0034	EA		32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,713.66	383.65
			<i>For 3 Tubes System, Add</i>	396.25	
			<i>For Metal Trim Strips, Add</i>	180.46	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	126.30	
23 82 33 00-0035	EA		32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,841.70	409.54
			<i>For 3 Tubes System, Add</i>	427.70	
			<i>For Metal Trim Strips, Add</i>	191.91	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	133.94	
23 82 33 00-0036	EA		32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	2,005.61	434.03
			<i>For 3 Tubes System, Add</i>	471.72	
			<i>For Metal Trim Strips, Add</i>	203.35	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	141.57	
23 82 33 00-0037	EA		32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	2,126.75	455.04
			<i>For 3 Tubes System, Add</i>	503.17	
			<i>For Metal Trim Strips, Add</i>	212.74	
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Snap-On Inlet Grille, Add</i>	147.82	
23 82 33 00-0038			<b>Electric Convectors, Floor Standing Units (23 82 33)</b>		
23 82 33 00-0039			<b>4" Deep Electric Convectors (23 82 33 00-0038)</b>		
23 82 33 00-0040	EA		38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units.....	555.19	141.85
23 82 33 00-0041	EA		50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units.....	606.62	141.85
23 82 33 00-0042			<b>6" Deep Electric Convectors (23 82 33 00-0038)</b>		
23 82 33 00-0043	EA		38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units.....	630.36	141.85
23 82 33 00-0044	EA		50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units.....	709.49	141.85
23 82 33 00-0045	EA		62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units.....	778.73	141.85
23 82 33 00-0046	EA		74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units.....	887.54	141.85



MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 82 36 Finned-Tube Radiation Heaters (23 82)**

**23 82 36 00-0001 Finned Tube Baseboard Units (23 82 36)**

Note: Complete with steel enclosure. Single heating element.

**23 82 36 00-0002 3/4" IPS Steel Tube With Steel Fins (23 82 36 00-0001)**

23 82 36 00-0003	EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	320.92	41.37
	For 90 Degree Corner, Add	50.03	
	For Copper Tube With Aluminum Fins, Add	6.64	
	For Filler Piece, Add	43.03	
	For End Cap, Add	34.02	
	For Valve Enclosure, Add	50.03	
23 82 36 00-0004	EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	422.26	62.58
	For 90 Degree Corner, Add	58.21	
	For Copper Tube With Aluminum Fins, Add	9.97	
	For Filler Piece, Add	51.21	
	For End Cap, Add	39.34	
	For Valve Enclosure, Add	58.21	
23 82 36 00-0005	EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	506.76	82.73
	For 90 Degree Corner, Add	63.04	
	For Copper Tube With Aluminum Fins, Add	13.29	
	For Filler Piece, Add	56.04	
	For End Cap, Add	42.47	
	For Valve Enclosure, Add	63.04	
23 82 36 00-0006	EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	631.33	115.83
	For 90 Degree Corner, Add	76.19	
	For Copper Tube With Aluminum Fins, Add	16.52	
	For Filler Piece, Add	69.19	
	For End Cap, Add	51.02	
	For Valve Enclosure, Add	76.19	
23 82 36 00-0007	EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	755.36	139.16
	For 90 Degree Corner, Add	89.55	
	For Copper Tube With Aluminum Fins, Add	19.67	
	For Filler Piece, Add	82.55	
	For End Cap, Add	59.71	
	For Valve Enclosure, Add	89.55	
23 82 36 00-0008	EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	853.42	148.49
	For 90 Degree Corner, Add	94.86	
	For Copper Tube With Aluminum Fins, Add	23.60	
	For Filler Piece, Add	87.86	
	For End Cap, Add	63.16	
	For Valve Enclosure, Add	94.86	
23 82 36 00-0009	EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	940.89	164.09
	For 90 Degree Corner, Add	103.77	
	For Copper Tube With Aluminum Fins, Add	25.96	
	For Filler Piece, Add	96.77	
	For End Cap, Add	68.95	
	For Valve Enclosure, Add	103.77	
23 82 36 00-0010	EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	1,073.91	185.62
	For 90 Degree Corner, Add	116.07	
	For Copper Tube With Aluminum Fins, Add	29.90	
	For Filler Piece, Add	109.07	
	For End Cap, Add	76.94	
	For Valve Enclosure, Add	116.07	
23 82 36 00-0011	EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	1,184.23	204.18
	For 90 Degree Corner, Add	126.69	
	For Copper Tube With Aluminum Fins, Add	33.04	
	For Filler Piece, Add	119.69	
	For End Cap, Add	83.85	
	For Valve Enclosure, Add	126.69	

**23 82 36 00-0012 1" IPS Steel Tube With Steel Fins (23 82 36 00-0001)**

23 82 36 00-0013	EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	372.70	41.37
	For 90 Degree Corner, Add	50.03	
	For Copper Tube With Aluminum Fins, Add	9.49	
	For Filler Piece, Add	43.03	
	For End Cap, Add	34.02	
	For Valve Enclosure, Add	50.03	
23 82 36 00-0014	EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	499.92	62.58
	For 90 Degree Corner, Add	58.21	
	For Copper Tube With Aluminum Fins, Add	14.24	
	For Filler Piece, Add	51.21	
	For End Cap, Add	39.34	
	For Valve Enclosure, Add	58.21	
23 82 36 00-0015	EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	610.31	82.73
	For 90 Degree Corner, Add	63.04	
	For Copper Tube With Aluminum Fins, Add	18.98	
	For Filler Piece, Add	56.04	
	For End Cap, Add	42.47	
	For Valve Enclosure, Add	63.04	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 82 Convection Heating and Cooling Units**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0016	EA		10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	760.21	115.83
			<i>For 90 Degree Corner, Add</i>	76.21	
			<i>For Copper Tube With Aluminum Fins, Add</i>	23.60	
			<i>For Filler Piece, Add</i>	69.21	
			<i>For End Cap, Add</i>	51.04	
			<i>For Valve Enclosure, Add</i>	76.21	
23 82 36 00-0017	EA		12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	908.45	139.16
			<i>For 90 Degree Corner, Add</i>	89.51	
			<i>For Copper Tube With Aluminum Fins, Add</i>	28.10	
			<i>For Filler Piece, Add</i>	82.51	
			<i>For End Cap, Add</i>	59.68	
			<i>For Valve Enclosure, Add</i>	89.51	
23 82 36 00-0018	EA		14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,037.35	148.49
			<i>For 90 Degree Corner, Add</i>	94.86	
			<i>For Copper Tube With Aluminum Fins, Add</i>	33.72	
			<i>For Filler Piece, Add</i>	87.86	
			<i>For End Cap, Add</i>	63.16	
			<i>For Valve Enclosure, Add</i>	94.86	
23 82 36 00-0019	EA		16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,142.87	164.09
			<i>For 90 Degree Corner, Add</i>	103.70	
			<i>For Copper Tube With Aluminum Fins, Add</i>	37.09	
			<i>For Filler Piece, Add</i>	96.70	
			<i>For End Cap, Add</i>	68.91	
			<i>For Valve Enclosure, Add</i>	103.70	
23 82 36 00-0020	EA		18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,306.89	185.62
			<i>For 90 Degree Corner, Add</i>	116.07	
			<i>For Copper Tube With Aluminum Fins, Add</i>	42.71	
			<i>For Filler Piece, Add</i>	109.07	
			<i>For End Cap, Add</i>	76.94	
			<i>For Valve Enclosure, Add</i>	116.07	
23 82 36 00-0021	EA		20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,441.09	204.18
			<i>For 90 Degree Corner, Add</i>	126.56	
			<i>For Copper Tube With Aluminum Fins, Add</i>	47.21	
			<i>For Filler Piece, Add</i>	119.56	
			<i>For End Cap, Add</i>	83.76	
			<i>For Valve Enclosure, Add</i>	126.56	
<b>23 82 36 00-0022</b>			<b>1-1/4" IPS Steel Tube With Steel Fins <small>(23 82 36 00-0001)</small></b>		
23 82 36 00-0023	EA		4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	424.47	41.37
			<i>For 90 Degree Corner, Add</i>	50.03	
			<i>For Copper Tube With Aluminum Fins, Add</i>	12.34	
			<i>For Filler Piece, Add</i>	43.03	
			<i>For End Cap, Add</i>	34.02	
			<i>For Valve Enclosure, Add</i>	50.03	
23 82 36 00-0024	EA		6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	577.58	62.58
			<i>For 90 Degree Corner, Add</i>	58.21	
			<i>For Copper Tube With Aluminum Fins, Add</i>	18.51	
			<i>For Filler Piece, Add</i>	51.21	
			<i>For End Cap, Add</i>	39.34	
			<i>For Valve Enclosure, Add</i>	58.21	
23 82 36 00-0025	EA		8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	713.85	82.73
			<i>For 90 Degree Corner, Add</i>	63.04	
			<i>For Copper Tube With Aluminum Fins, Add</i>	24.68	
			<i>For Filler Piece, Add</i>	56.04	
			<i>For End Cap, Add</i>	42.47	
			<i>For Valve Enclosure, Add</i>	63.04	
23 82 36 00-0026	EA		10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	888.95	115.83
			<i>For 90 Degree Corner, Add</i>	76.21	
			<i>For Copper Tube With Aluminum Fins, Add</i>	30.68	
			<i>For Filler Piece, Add</i>	69.21	
			<i>For End Cap, Add</i>	51.04	
			<i>For Valve Enclosure, Add</i>	76.21	
23 82 36 00-0027	EA		12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	1,061.71	139.16
			<i>For 90 Degree Corner, Add</i>	89.51	
			<i>For Copper Tube With Aluminum Fins, Add</i>	36.53	
			<i>For Filler Piece, Add</i>	82.51	
			<i>For End Cap, Add</i>	59.68	
			<i>For Valve Enclosure, Add</i>	89.51	
23 82 36 00-0028	EA		14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	1,221.26	148.49
			<i>For 90 Degree Corner, Add</i>	94.86	
			<i>For Copper Tube With Aluminum Fins, Add</i>	43.83	
			<i>For Filler Piece, Add</i>	87.86	
			<i>For End Cap, Add</i>	63.16	
			<i>For Valve Enclosure, Add</i>	94.86	
23 82 36 00-0029	EA		16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	1,345.18	164.09
			<i>For 90 Degree Corner, Add</i>	103.70	
			<i>For Copper Tube With Aluminum Fins, Add</i>	48.22	
			<i>For Filler Piece, Add</i>	96.70	
			<i>For End Cap, Add</i>	68.91	
			<i>For Valve Enclosure, Add</i>	103.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0030 EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element..... <i>For 90 Degree Corner, Add</i> <i>For Copper Tube With Aluminum Fins, Add</i> <i>For Filler Piece, Add</i> <i>For End Cap, Add</i> <i>For Valve Enclosure, Add</i>	1,539.85 116.07 55.52 109.07 76.94 116.07	185.62
23 82 36 00-0031 EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element..... <i>For 90 Degree Corner, Add</i> <i>For Copper Tube With Aluminum Fins, Add</i> <i>For Filler Piece, Add</i> <i>For End Cap, Add</i> <i>For Valve Enclosure, Add</i>	1,698.58 126.56 61.37 119.56 83.76 126.56	204.18
<b>23 82 36 00-0032 Electric Baseboard Heating (23 82 36)</b> Note: Includes 24 gauge steel enclosure and heating element		
<b>23 82 36 00-0033 Electric Wall Heating 10" Enclosure (23 82 36 00-0032)</b>		
23 82 36 00-0034 LF Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT .....	155.67	78.81
23 82 36 00-0035 LF Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT .....	158.04	78.81
<b>23 82 36 00-0036 Electric Wall Heating 16" Enclosure (23 82 36 00-0032)</b>		
23 82 36 00-0037 LF Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT .....	179.40	78.81
23 82 36 00-0038 LF Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT .....	185.34	78.81
<b>23 82 39 Unit Heaters (23 82)</b>		
<b>23 82 39 13 Cabinet Unit Heaters (23 82 39)</b>		
<b>23 82 39 13-0001 Electric Cabinet Unit Heaters (23 82 39 13)</b> Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.		
<b>23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length (23 82 39 13-0001)</b>		
23 82 39 13-0003 EA 2 KW, 250 CFM, 35" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,520.56	179.11
23 82 39 13-0004 EA 3 KW, 250 CFM, 35" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,539.53	179.11
23 82 39 13-0005 EA 4 KW, 250 CFM, 35" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,558.51	179.11
23 82 39 13-0006 EA 5 KW, 250 CFM, 35" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,577.48	179.11
23 82 39 13-0007 EA 6 KW, 250 CFM, 35" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,596.45	179.11
23 82 39 13-0008 EA 7 KW, 250 CFM, 35" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,615.43	179.11
23 82 39 13-0009 EA 8 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,635.17	179.11
23 82 39 13-0010 EA For Ceiling Installation of 35" Cabinet Unit Heater, Add .....	239.28	118.93
<b>23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length (23 82 39 13-0001)</b>		
23 82 39 13-0012 EA 4 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,694.67	214.92
23 82 39 13-0013 EA 6 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,732.62	214.92
23 82 39 13-0014 EA 8 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,770.56	214.92
23 82 39 13-0015 EA 10 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,808.52	214.92
23 82 39 13-0016 EA 12 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,846.46	214.92
23 82 39 13-0017 EA 14 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,884.42	214.92
23 82 39 13-0018 EA 16 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,922.36	214.92
23 82 39 13-0019 EA For Ceiling Installation of 45" Cabinet Unit Heater, Add .....	286.57	143.29
<b>23 82 39 13-0020 Electric Cabinet Unit Heaters, 58" Cabinet Length (23 82 39 13-0001)</b>		
23 82 39 13-0021 EA 6 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,394.28	286.57
23 82 39 13-0022 EA 8 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,432.22	286.57
23 82 39 13-0023 EA 10 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,470.18	286.57
23 82 39 13-0024 EA 12 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,508.12	286.57
23 82 39 13-0025 EA 14 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,546.07	286.57
23 82 39 13-0026 EA 16 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,584.02	286.57
23 82 39 13-0027 EA For Ceiling Installation of 58" Cabinet Unit Heater, Add .....	358.21	179.11

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0028			<b>Electric Cabinet Unit Heaters, 68" Cabinet Length</b> <small>(23 82 39 13-0001)</small>		
23 82 39 13-0029	EA		6 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,018.01	358.21
23 82 39 13-0030	EA		9 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,074.93	358.21
23 82 39 13-0031	EA		12 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,131.85	358.21
23 82 39 13-0032	EA		15 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,188.77	358.21
23 82 39 13-0033	EA		18 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,245.71	358.21
23 82 39 13-0034	EA		21 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,302.63	358.21
23 82 39 13-0035	EA		24 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,359.55	358.21
23 82 39 13-0036	EA		For Ceiling Installation of 68" Cabinet Unit Heater, Add.....	478.57	239.28
23 82 39 13-0037			<b>Electric Cabinet Unit Heaters, 78" Cabinet Length</b> <small>(23 82 39 13-0001)</small>		
23 82 39 13-0038	EA		8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,717.62	429.86
23 82 39 13-0039	EA		12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,793.52	429.86
23 82 39 13-0040	EA		16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,869.42	429.86
23 82 39 13-0041	EA		20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,945.32	429.86
23 82 39 13-0042	EA		24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	5,021.21	429.86
23 82 39 13-0043	EA		28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	5,097.11	429.86
23 82 39 13-0044	EA		32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	5,173.01	429.86
23 82 39 13-0045	EA		For Ceiling Installation of 78" Cabinet Unit Heater, Add.....	573.13	286.57
23 82 39 13-0046			<b>Removal and Reinstallation of Cabinet Unit Heaters</b> <small>(23 82 39 13)</small>		
			Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047	EA		Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall.....	291.69	
23 82 39 13-0048	EA		Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall.....	503.84	
23 82 39 13-0049	EA		Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling.....	601.42	
23 82 39 13-0050	EA		Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling.....	813.55	
23 82 39 16			<b>Propeller Unit Heaters</b> <small>(23 82 39)</small>		
23 82 39 16-0001			<b>Hydronic Unit Heaters Using Steam Or Hot Water</b> <small>(23 82 39 16)</small>		
			Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002			<b>Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt</b> <small>(23 82 39 16-0001)</small>		
23 82 39 16-0003	EA		18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	816.96	106.07
23 82 39 16-0004	EA		24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	818.61	106.07
23 82 39 16-0005	EA		36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	913.44	106.07
23 82 39 16-0006	EA		48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,118.21	159.11
23 82 39 16-0007	EA		60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,166.72	159.11
23 82 39 16-0008	EA		72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,238.97	159.11
23 82 39 16-0009	EA		84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,487.26	212.14
23 82 39 16-0010	EA		96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,632.82	212.14
23 82 39 16-0011	EA		108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,725.44	212.14
23 82 39 16-0012	EA		120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,800.42	212.14
23 82 39 16-0013	EA		132 MBH Steam, 95.8 MBH Hot Water, 2,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,032.19	265.18
23 82 39 16-0014	EA		144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,057.56	265.18
23 82 39 16-0015	EA		156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,081.82	265.18
23 82 39 16-0016	EA		180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,217.60	318.21
23 82 39 16-0017	EA		204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,407.26	318.21
23 82 39 16-0018	EA		240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,746.15	371.25
23 82 39 16-0019	EA		280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,433.10	371.25
23 82 39 16-0020	EA		300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,651.57	424.28
23 82 39 16-0021	EA		360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,357.28	424.28
23 82 39 16-0022	EA		Fan Guard For Fan Propelled Steam Unit Heater, Horizontal..... Note: Required only for unit heaters located within 7' of a working surface.	221.18	26.52
23 82 39 16-0023			<b>Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt</b> <small>(23 82 39 16-0001)</small>		
23 82 39 16-0024	EA		41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,183.28	106.07
23 82 39 16-0025	EA		65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,235.65	159.11
23 82 39 16-0026	EA		80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,331.04	159.11
23 82 39 16-0027	EA		101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,636.13	212.14
23 82 39 16-0028	EA		124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,729.85	212.14
23 82 39 16-0029	EA		152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,047.79	318.21
23 82 39 16-0030	EA		173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,191.14	318.21





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 16-0031 EA 210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,311.34	318.21
23 82 39 16-0032 EA 249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,581.84	371.25
23 82 39 16-0033 EA 283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,724.09	371.25
23 82 39 16-0034 EA 333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,011.88	371.25
23 82 39 16-0035 EA 386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,486.38	477.31
23 82 39 16-0036 EA 496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,443.50	477.31
23 82 39 16-0037 EA 585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,736.82	477.31
23 82 39 16-0038 EA 705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	5,392.02	530.34
23 82 39 16-0039 EA Fan Guard For Fan Propelled Steam Unit Heater, Vertical.....	302.78	26.52
Note: Required only for unit heaters located within 7' of a working surface.		
<b>23 82 39 16-0040</b>	<b>Removal and Reinstallation of Propeller Unit Heaters (23 82 39 16)</b>	
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 16-0041 EA Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical .....	636.41	
23 82 39 16-0042 EA Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical .....	848.56	
<b>23 82 39 19</b>	<b>Wall and Ceiling Unit Heaters (23 82 39)</b>	
<b>23 82 39 19-0001</b>	<b>Electric Unit Heaters (23 82 39 19)</b>	
Note: May be mounted both vertically and horizontally.		
23 82 39 19-0002 EA 3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	793.09	143.29
23 82 39 19-0003 EA 5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	793.09	143.29
23 82 39 19-0004 EA 7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	1,055.41	179.11
23 82 39 19-0005 EA 10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	1,216.61	214.92
23 82 39 19-0006 EA 15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	1,757.84	286.57
23 82 39 19-0007 EA 20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt .....	2,522.57	358.21
23 82 39 19-0008 EA 30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	3,440.36	429.86
23 82 39 19-0009 EA 50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	4,947.54	501.49
23 82 39 19-0010 EA 3 KW, 350 CFM Electric Unit Heater - 480 Volt .....	957.75	143.29
23 82 39 19-0011 EA 5 KW, 350 CFM Electric Unit Heater - 480 Volt .....	925.61	143.29
23 82 39 19-0012 EA 7.5 KW, 650 CFM Electric Unit Heater - 480 Volt .....	1,102.48	179.11
23 82 39 19-0013 EA 10 KW, 650 CFM Electric Unit Heater - 480 Volt .....	1,277.83	214.92
23 82 39 19-0014 EA 15 KW, 910 CFM Electric Unit Heater - 480 Volt .....	1,880.29	286.57
<b>23 82 39 19-0015</b>	<b>Electric Ceiling and Wall Heaters (23 82 39 19)</b>	
Note: The "I" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.		
23 82 39 19-0016 EA 1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater .....	406.49	89.55
23 82 39 19-0017 EA 1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater .....	473.55	100.30
23 82 39 19-0018 EA 3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater .....	714.70	100.30
23 82 39 19-0019 EA 1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater .....	456.02	89.55
23 82 39 19-0020 EA 1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater .....	551.71	100.30
23 82 39 19-0021 EA 3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater .....	806.52	100.30
23 82 39 19-0022 EA 1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater .....	599.94	118.21
23 82 39 19-0023 EA 3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater .....	1,074.80	125.37
23 82 39 19-0024 EA 4,800/3,600 Watt Recessed Electric Ceiling Heater .....	1,202.25	125.37
23 82 39 19-0025 EA 4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater .....	1,389.60	132.54
23 82 39 19-0026 EA 5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater .....	1,501.50	132.54
23 82 39 19-0027 EA 1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater .....	666.14	118.21
23 82 39 19-0028 EA 3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater .....	1,179.08	125.37
23 82 39 19-0029 EA 4,800/3,600 Watt Surface Mounted Electric Ceiling Heater .....	1,306.52	125.37
23 82 39 19-0030 EA Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522TDWB) .....	646.84	89.55
<b>23 82 39 19-0031</b>	<b>Removal And Reinstallation Of Electric Unit Heaters (23 82 39 19)</b>	
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 19-0032 EA Removal And Reinstallation Of Up To 15KW Electric Unit Heater.....	381.88	
23 82 39 19-0033 EA Removal And Reinstallation Of >15 KW Electric Unit Heater .....	785.01	
<b>23 83</b>	<b>Radiant Heating Units (23 80)</b>	
<b>23 83 13</b>	<b>Radiant-Heating Electric Cables (23 83)</b>	
<b>23 83 13 13</b>	<b>Radiant-Heating Electric Cables (23 83 13)</b>	
<b>23 83 13 13-0001</b>	<b>Self Regulating Heating Cable (23 83 13 13)</b>	
23 83 13 13-0002 LF 3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable .....	8.76	0.73
Note: Tinned copper braid, at 50 Degrees F.		
23 83 13 13-0003 LF 5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable .....	9.36	0.73
Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0004 LF 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable .....	9.78	0.73
Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0005 LF 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable .....	8.76	0.73
Note: Tinned copper braid, at 50 degrees F.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 83 Radiant Heating Units**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 83 13 13-0006 LF 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable..... Note: Tinned copper braid, at 50 degrees F	10.38	0.73
23 83 13 13-0007 LF 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable..... Note: Tinned copper braid, at 50 degrees F.	10.98	0.73
23 83 13 13-0008 LF 3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions ..... Note: Tinned copper braid, at 50 Degrees F.	10.97	0.73
23 83 13 13-0009 LF 5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions ..... Note: Tinned copper braid, at 50 degrees F.	11.25	0.73
23 83 13 13-0010 LF 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions ..... Note: Tinned copper braid, at 50 degrees F.	11.53	0.73
23 83 13 13-0011 LF 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions ..... Note: Tinned copper braid, at 50 degrees F.	10.97	0.73
23 83 13 13-0012 LF 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions ..... Note: Tinned copper braid, at 50 degrees F	11.25	0.73
23 83 13 13-0013 LF 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions ..... Note: Tinned copper braid, at 50 degrees F.	11.53	0.73
23 83 13 13-0014 LF 3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 Degrees F.	13.75	0.73
23 83 13 13-0015 LF 5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	14.30	0.73
23 83 13 13-0016 LF 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	14.58	0.73
23 83 13 13-0017 LF 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	13.75	0.73
23 83 13 13-0018 LF 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F	14.30	0.73
23 83 13 13-0019 LF 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	14.58	0.73
23 83 13 13-0020 EA Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable.....	291.78	57.48
23 83 13 13-0021 EA Splice And Tee Kit For Self Regulating Low Temperature Heating Cable .....	291.78	57.48
23 83 13 13-0022 EA End Seal Kit For Self Regulating Low Temperature Heating Cable .....	197.72	10.45
23 83 13 13-0023 EA Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable .....	536.44	26.13
23 83 13 13-0024 EA Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable .....	591.44	26.13

**23 84 Humidity Control Equipment** (23 80)

**23 84 13 Humidifiers** (23 84)

**23 84 13 16 Wetted-Element Humidifiers** (23 84 13)

**23 84 13 16-0001 Electric Steam Humidifiers, Self-Steam Producing** (23 84 13 16)

Note: Electronic modulating duct or air handling unit installation 208V-108V with 12"-72" manifolds included.

23 84 13 16-0002 EA 1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold .....	12,030.12	437.01
23 84 13 16-0003 EA 20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	15,265.59	438.06

**23 84 13 23 Direct-Steam-Injection Humidifiers** (23 84 13)

**23 84 13 23-0001 Steam Type Pneumatically Controlled** (23 84 13 23)

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 84 13 23-0002 EA 3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls .....	1,921.56	280.02
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	590.61	
23 84 13 23-0003 EA 3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls .....	1,921.56	280.02
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	590.61	
23 84 13 23-0004 EA 65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls .....	2,772.82	280.02
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	845.99	
23 84 13 23-0005 EA 65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls .....	2,878.88	350.03
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	881.34	
23 84 13 23-0006 EA 100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls .....	4,172.52	280.02
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	1,265.90	
23 84 13 23-0007 EA 100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls .....	4,278.58	350.03
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	1,301.25	
23 84 13 23-0008 EA 220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls .....	6,465.61	350.03
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	1,957.36	



<b>Heating, Ventilating, and Air-Conditioning (HVAC)</b>	<b>23</b>	<b>23</b>
Decentralized Unitary HVAC Equipment	23 80	
Humidity Control Equipment	23 84	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 84 13 23-0009 EA 220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls ..... <i>For Electrically Controlled Unit, Add</i> <i>For Each Additional Manifold, Add</i>	6,598.20 700.00 2,001.56	438.06
<b>23 84 13 29 Self-Contained Steam Humidifiers (23 84 13)</b>		
23 84 13 29-0001 Residential Humidifiers (23 84 13 29) Note: Includes solenoid valve and flow through water supply.		
23 84 13 29-0002 EA Duct Or Furnace Mounted Humidifier, Residential Type.....	548.61	53.04
<b>23 84 16 Mechanical Dehumidification Units (23 84)</b>		
<b>23 84 16 16 Indoor, Mechanical Dehumidification Units (23 84 16)</b>		
23 84 16 16-0001 Mechanical Dehumidification Units (23 84 16 16) Note: Sized by moisture removal per 24 hours.		
23 84 16 16-0002 EA 65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier.....	2,186.60	71.64
23 84 16 16-0003 EA 90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier .....	2,747.97	83.57
23 84 16 16-0004 EA 120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier .....	3,675.66	95.53
<b>23 84 16 33 Portable Dehumidifiers (23 84 16)</b>		
23 84 16 33-0001 Self Contained Free Standing Unit (23 84 16 33) Note: Sized by moisture removal per 24 hours.		
23 84 16 33-0002 EA 30 Pint/24 Hour Dehumidifier.....	531.21	155.00
23 84 16 33-0003 EA 50 Pint/24 Hour Dehumidifier.....	630.52	155.00
23 84 16 33-0004 EA 70 Pint/24 Hour Dehumidifier.....	690.10	155.00

**END OF SECTION 23**

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

23 80 Decentralized Unitary HVAC Equipment

23 84 Humidity Control Equipment



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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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<b>Integrated Automation</b>	<b>25</b>	<b>25</b>
Integrated Automation Facility Controls	25 50	
Integrated Automation Control of HVAC	25 55	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 25 Integrated Automation

25 50 Integrated Automation Facility Controls <sup>(25)</sup>

25 55 Integrated Automation Control of HVAC <sup>(25 50)</sup>  
See CSI section 23 09 00 00-0000 for Instrumentation And Control For HVAC.

**END OF SECTION 25**

25	<b>25</b>	<b>Integrated Automation</b>
	25 50	Integrated Automation Facility Controls
	25 55	Integrated Automation Control of HVAC




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MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels. Electrical equipment and lighting shall conform to California Title 24.

### 26 01 Operation and Maintenance of Electrical Systems <sup>(26)</sup>

#### 26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution <sup>(26 01)</sup>

##### 26 01 10 91 Medium-Voltage Electrical Distribution Restoration <sup>(26 01 10)</sup>

##### 26 01 10 91-0001 Retrofit Distribution Enclosures <sup>(26 01 10 91)</sup>

Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 91-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C) .....	500.71
		Note: 2mm thick, aluminum frame, hinged cover.	
		For Up To 20, Add	109.06
		For >20 To 50, Add	87.24
		For >50 To 100, Add	43.62
26 01 10 91-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C) .....	657.08
		Note: 2mm thick, aluminum frame, hinged cover.	
		For Up To 20, Add	148.14
		For >20 To 50, Add	118.51
		For >50 To 100, Add	59.26
26 01 10 91-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C) .....	1,001.04
		Note: 4mm thick, aluminum frame, hinged cover.	
		For Up To 20, Add	234.14
		For >20 To 50, Add	187.31
		For >50 To 100, Add	93.66
26 01 10 91-0005	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO) .....	496.26
		Note: 2mm thick, aluminum frame, twist cover.	
		For Up To 20, Add	107.94
		For >20 To 50, Add	86.35
		For >50 To 100, Add	43.18
26 01 10 91-0006	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2) .....	499.01
		Note: 2mm thick, aluminum frame, twist cover.	
		For Up To 20, Add	108.63
		For >20 To 50, Add	86.90
		For >50 To 100, Add	43.45
26 01 10 91-0007	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3) .....	644.33
		Note: 2mm thick, aluminum frame, twist cover.	
		For Up To 20, Add	144.96
		For >20 To 50, Add	115.97
		For >50 To 100, Add	57.98
26 01 10 91-0008	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4) .....	972.76
		Note: 4mm thick, aluminum frame, twist cover.	
		For Up To 20, Add	227.07
		For >20 To 50, Add	181.65
		For >50 To 100, Add	90.83
26 01 10 91-0009	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR) .....	388.14
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		For Up To 20, Add	80.91
		For >20 To 50, Add	64.73
		For >50 To 100, Add	32.37
26 01 10 91-0010	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR) .....	557.00
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		For Up To 20, Add	123.13
		For >20 To 50, Add	98.50
		For >50 To 100, Add	49.25
26 01 10 91-0011	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR) .....	803.25
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		For Up To 20, Add	184.69
		For >20 To 50, Add	147.75
		For >50 To 100, Add	73.88
26 01 10 91-0012	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	730.19
		Note: 4mm thick, aluminum frame, magnetic cover.	
		For Up To 20, Add	166.43
		For >20 To 50, Add	133.14
		For >50 To 100, Add	66.57
26 01 10 91-0013	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	1,012.70
		Note: 4mm thick, aluminum frame, magnetic cover.	
		For Up To 20, Add	237.05
		For >20 To 50, Add	189.64
		For >50 To 100, Add	94.82

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 01 10 91-0014	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	1,875.59
		Note: 4mm thick, aluminum frame, magnetic cover.	
		For Up To 20, Add	452.78
		For >20 To 50, Add	362.22
		For >50 To 100, Add	181.11
26 01 10 91-0015	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	842.48
		Note: 4mm thick, aluminum frame, magnetic cover.	
		For Up To 20, Add	194.50
		For >20 To 50, Add	155.60
		For >50 To 100, Add	77.80
26 01 10 91-0016	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	1,251.54
		Note: 4mm thick, aluminum frame, magnetic cover.	
		For Up To 20, Add	296.76
		For >20 To 50, Add	237.41
		For >50 To 100, Add	118.71

## 26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution (26 01)

### 26 01 20 91 Low-Voltage Electrical Distribution Restoration (26 01 20)

26 01 20 91-0001		Lock Out/Tag Out Devices <small>(26 01 20 91)</small> Note: Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.	
26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect .....	37.63
		Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter .....	37.63
		Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	
26 01 20 91-0004	EA	Lock Out Padlock Device .....	10.45
		Note: Includes the installation and removal of pad lock when required	
26 01 20 91-0005	EA	Lock Out Tags .....	4.36
		Note: Includes filling out tag information, installation and removal of identifying tags.	
26 01 20 91-0006		Existing Circuit Tracing <small>(26 01 20 91)</small>	
26 01 20 91-0007	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device .....	21.74
26 01 20 91-0008	EA	Lighting, Existing Circuit Tracing Per Circuit .....	21.74

## 26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment (26 01)

### 26 01 30 91 Facility Electrical Power Generating and Storing Equipment Restoration (26 01 30)

26 01 30 91-0001		Emergency Generator Permits <small>(26 01 30 91)</small>	
26 01 30 91-0002		Air Pollution Control Board <small>(26 01 30 91-0001)</small>	
26 01 30 91-0003	EA	APCD Permit To Construct And Operate Emergency Generator .....	4,541.34

## 26 01 50 Operation and Maintenance of Lighting (26 01)

### 26 01 50 51 Luminaire Relamping (26 01 50)

26 01 50 51-0001		Replace Lamps In Existing Fixtures <small>(26 01 50 51)</small> Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0388 for disposal of hazardous lamps.	
26 01 50 51-0002		Halogen Lamps <small>(26 01 50 51-0001)</small>	
26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp .....	43.63
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp .....	56.04
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp .....	83.35
26 01 50 51-0006	EA	60 Watt, PAR38, Halogen Lamp .....	21.97
26 01 50 51-0007	EA	75 Watt, PAR38, Halogen Lamp .....	21.97
26 01 50 51-0008	EA	90 Watt, PAR38, Halogen Lamp .....	20.87
26 01 50 51-0009	EA	100 Watt, PAR38, Halogen Lamp .....	20.87
26 01 50 51-0010	EA	60 Watt, PAR38, Halogen IR Reflective Lamp .....	44.61
26 01 50 51-0011	EA	67 Watt, PAR38, Halogen IR Reflective Lamp .....	49.88
26 01 50 51-0012	EA	70 Watt, PAR38, Halogen IR Reflective Lamp .....	48.52
26 01 50 51-0013	EA	90 Watt, PAR38, Halogen IR Reflective Lamp .....	52.55
26 01 50 51-0014	EA	100 Watt, PAR38, Halogen IR Reflective Lamp .....	53.41
26 01 50 51-0015	EA	12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10) .....	22.95
26 01 50 51-0016	EA	12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20) .....	22.95
26 01 50 51-0017	EA	12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25) .....	25.42
26 01 50 51-0018	EA	12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36) .....	25.42

### 26 01 50 51-0019 Incandescent Lamps (26 01 50 51-0001)





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0020 EA 100 Watt, Frosted, Interior Incandescent Lamp .....	5.92	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.73	
26 01 50 51-0021 EA 150 Watt, Frosted, Interior Incandescent Lamp .....	7.31	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.73	
26 01 50 51-0022 EA 200 Watt, Frosted, Interior Incandescent Lamp .....	8.89	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.73	
26 01 50 51-0023 EA 300 Watt, PS25, Interior Incandescent Lamp .....	10.87	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.73	
26 01 50 51-0024 EA 60 Watt, G25, Clear, Interior Incandescent Lamp .....	8.20	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.73	
26 01 50 51-0025 EA 75 Watt, R20, Interior Incandescent Lamp .....	12.91	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.08	
26 01 50 51-0026 EA 75 Watt, PAR38, Exterior Incandescent Lamp .....	15.68	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.08	
26 01 50 51-0027 EA 100 Watt, PAR38, Exterior Incandescent Lamp .....	14.58	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.08	
26 01 50 51-0028 EA 150 Watt, PAR38, Exterior Incandescent Lamp .....	25.08	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.08	
26 01 50 51-0029 EA 250 Watt, PAR38, Exterior Incandescent Lamp .....	51.58	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.42	
26 01 50 51-0030 EA 300 Watt, PAR56, Exterior Incandescent Lamp .....	59.29	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.42	
<b>26 01 50 51-0031 Exit Light Lamps</b> <small>(26 01 50 51-0001)</small>		
26 01 50 51-0032 EA Convert Exit Light Lamps To Red LED Lamps .....	98.47	
<i>For Green LED Lamps, Add</i>	25.00	
26 01 50 51-0033 EA Fluorescent Lamp For Exit Light .....	27.92	
<i>For Multiple Lamps In Fixture, Deduct</i>	-6.92	
26 01 50 51-0034 EA Lamp Replacement For Emergency Lights On Exit Sign .....	35.63	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.46	
<b>26 01 50 51-0035 Fluorescent Lamps</b> <small>(26 01 50 51-0001)</small>		
26 01 50 51-0036 EA 18", 15 Watt, T8 Fluorescent Lamp .....	11.22	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.77	
26 01 50 51-0037 EA 2', 17 Watt, T8 Fluorescent Lamp .....	13.68	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.77	
26 01 50 51-0038 EA 3', 25 Watt, T8 Fluorescent Lamp .....	15.73	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.11	
26 01 50 51-0039 EA 4', 28 Watt, Rapid Start T8 Fluorescent Lamp .....	15.63	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.11	
26 01 50 51-0040 EA 4', 32 Watt, T8 Fluorescent Lamp .....	14.89	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.11	
26 01 50 51-0041 EA 4', 30 Watt, T8 Fluorescent Lamp .....	19.96	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.11	
26 01 50 51-0042 EA 4', 28 Watt, T8 Fluorescent Lamp .....	17.38	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.11	
26 01 50 51-0043 EA 4', 25 Watt, T8 Fluorescent Lamp .....	17.28	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.11	
26 01 50 51-0044 EA 4', 44 Watt, T8HO Fluorescent Lamp .....	28.38	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.11	
26 01 50 51-0045 EA 8', 59 Watt, T8 Fluorescent Lamp .....	21.41	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.11	
26 01 50 51-0046 EA 18", 15 Watt, T12 Fluorescent Lamp .....	17.40	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.77	
26 01 50 51-0047 EA 2', 20 Watt, T12 Fluorescent Lamp .....	12.97	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.77	
26 01 50 51-0048 EA 3', 30 Watt, T12 Fluorescent Lamp .....	14.57	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.11	
26 01 50 51-0049 EA 4', 34 Watt, T12 Fluorescent Lamp .....	14.65	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.11	
26 01 50 51-0050 EA 4', 40 Watt, T12 Fluorescent Lamp .....	14.32	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.11	
26 01 50 51-0051 EA 8', 60 Watt, T12 Fluorescent Lamp .....	21.98	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.11	
26 01 50 51-0052 EA 8', 75 Watt, T12 Fluorescent Lamp .....	18.41	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.11	
26 01 50 51-0053 EA 8', 95 Watt, Instant Start T12 Fluorescent Lamp .....	29.37	
26 01 50 51-0054 EA 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp .....	17.62	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.77	
26 01 50 51-0055 EA 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp .....	14.34	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.77	
26 01 50 51-0056 EA 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp .....	13.84	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.77	
26 01 50 51-0057 EA 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp .....	15.41	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.77	
26 01 50 51-0058 EA 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp .....	25.83	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.46	
26 01 50 51-0059 EA 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp .....	24.86	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.46	
26 01 50 51-0060 EA 6", 4 Watt, T5 Fluorescent Lamp .....	12.55	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.77	

**26 Electrical**  
**26 01 Operation and Maintenance of Electrical Systems**  
**26 01 50 Operation and Maintenance of Lighting**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0061 EA 9", 6 Watt, T5 Fluorescent Lamp .....12.33 <i>For Multiple Lamps In Fixture, Deduct</i> -2.77		
26 01 50 51-0062 EA 12", 8 Watt, T5 Fluorescent Lamp .....12.75 <i>For Multiple Lamps In Fixture, Deduct</i> -2.77		
26 01 50 51-0063 EA 21", 13 Watt, T5 Fluorescent Lamp .....13.37 <i>For Multiple Lamps In Fixture, Deduct</i> -2.77		
26 01 50 51-0064 EA 24", 14 Watt, T5 Fluorescent Lamp .....15.55 <i>For Multiple Lamps In Fixture, Deduct</i> -2.77		
26 01 50 51-0065 EA 34", 21 Watt, T5 Fluorescent Lamp .....16.88 <i>For Multiple Lamps In Fixture, Deduct</i> -3.11		
26 01 50 51-0066 EA 46", 28 Watt, T5 Fluorescent Lamp .....16.32 <i>For Multiple Lamps In Fixture, Deduct</i> -3.11		
26 01 50 51-0067 EA 46", 54 Watt, T5HO Fluorescent Lamp .....17.95 <i>For Multiple Lamps In Fixture, Deduct</i> -3.11		
26 01 50 51-0068 EA 46", 54 Watt T5 Fluorescent Lamp .....14.92		
26 01 50 51-0069 EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp .....10.07 <i>For Multiple Lamps In Fixture, Deduct</i> -1.73		
26 01 50 51-0070 EA 9-26 Watt, 4-Pin Compact Fluorescent Lamp .....11.20 <i>For Multiple Lamps In Fixture, Deduct</i> -1.73		
26 01 50 51-0071 EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp .....23.63 <i>For Multiple Lamps In Fixture, Deduct</i> -1.73		
26 01 50 51-0072 EA Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux .....30.64		
26 01 50 51-0073 EA Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux .....30.64		
26 01 50 51-0074 EA 32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin .....58.91		
26 01 50 51-0075 EA 26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp .....21.00		
26 01 50 51-0076 EA <9 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....9.85		
26 01 50 51-0077 EA 9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....8.52		
26 01 50 51-0078 EA 29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....8.93		
26 01 50 51-0079 EA 33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....36.49		
26 01 50 51-0080 EA 43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....39.80		
26 01 50 51-0081 EA 85 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....75.70		
26 01 50 51-0082 EA 105 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....90.66		
26 01 50 51-0083 EA 200 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....93.70		
26 01 50 51-0084 EA 11 Watt, Screw-In, Compact Fluorescent Reflector Lamps .....34.07		
26 01 50 51-0085 EA 15 Watt, Screw-In, Compact Fluorescent Reflector Lamps .....35.53		
26 01 50 51-0086 EA 20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps .....41.01		
<b>26 01 50 51-0087 Mercury Vapor Lamps (26 01 50 51-0001)</b>		
26 01 50 51-0088 EA 100 Watt, Mercury Vapor Lamp .....43.79		
26 01 50 51-0089 EA 175 Watt, Mercury Vapor Lamp .....39.48		
26 01 50 51-0090 EA 250 Watt, Mercury Vapor Lamp .....37.34		
26 01 50 51-0091 EA 400 Watt, Mercury Vapor Lamp .....46.44		
26 01 50 51-0092 EA 1,000 Watt, Mercury Vapor Lamp .....83.06		
<b>26 01 50 51-0093 Metal Halide Lamps (26 01 50 51-0001)</b>		
26 01 50 51-0094 EA 50 Watt, Pulse Start Metal Halide Lamp .....44.68		
26 01 50 51-0095 EA 70 Watt, Pulse Start Metal Halide Lamp .....42.67		
26 01 50 51-0096 EA 100 Watt, Pulse Start Metal Halide Lamp .....49.02		
26 01 50 51-0097 EA 150 Watt, Pulse Start Metal Halide Lamp .....47.58		
26 01 50 51-0098 EA 175 Watt, Pulse Start Metal Halide Lamp .....47.16		
26 01 50 51-0099 EA 250 Watt, Pulse Start Metal Halide Lamp .....47.45		
26 01 50 51-0100 EA 400 Watt, Pulse Start Metal Halide Lamp .....57.57		
26 01 50 51-0101 EA 1,000 Watt, Pulse Start Metal Halide Lamp .....67.28		
26 01 50 51-0102 EA 1,500 Watt, Pulse Start Metal Halide Lamp .....66.88		
<b>26 01 50 51-0103 High Pressure Sodium Lamps (26 01 50 51-0001)</b>		
26 01 50 51-0104 EA 35 Watt, High Pressure Sodium Lamp .....36.49 <i>For Enclosed And Gasket Light Fixtures, Add</i> 2.66		
26 01 50 51-0105 EA 50 Watt, High Pressure Sodium Lamp .....36.49 <i>For Enclosed And Gasket Light Fixtures, Add</i> 2.66		
26 01 50 51-0106 EA 70 Watt, High Pressure Sodium Lamp .....37.36 <i>For Enclosed And Gasket Light Fixtures, Add</i> 2.66		
26 01 50 51-0107 EA 100 Watt, High Pressure Sodium Lamp .....39.01 <i>For Enclosed And Gasket Light Fixtures, Add</i> 2.66		
26 01 50 51-0108 EA 150 Watt, High Pressure Sodium Lamp .....37.36 <i>For Enclosed And Gasket Light Fixtures, Add</i> 2.66		
26 01 50 51-0109 EA 250 Watt, High Pressure Sodium Lamp .....37.36 <i>For Enclosed And Gasket Light Fixtures, Add</i> 2.66		
26 01 50 51-0110 EA 400 Watt, High Pressure Sodium Lamp .....34.90 <i>For Enclosed And Gasket Light Fixtures, Add</i> 2.66		
26 01 50 51-0111 EA 1,000 Watt, High Pressure Sodium Lamp .....83.38		
<b>26 01 50 51-0112 Low Pressure Sodium Lamps (26 01 50 51-0001)</b>		
26 01 50 51-0113 EA 35 Watt, Low Pressure Sodium Lamp .....96.13		
26 01 50 51-0114 EA 55 Watt, Low Pressure Sodium Lamp .....107.52		
26 01 50 51-0115 EA 70 Watt, Low Pressure Sodium Lamp .....110.09		
26 01 50 51-0116 EA 90 Watt, Low Pressure Sodium Lamp .....112.65		
26 01 50 51-0117 EA 135 Watt, Low Pressure Sodium Lamp .....122.91		



			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0118	EA		180 Watt, Low Pressure Sodium Lamp .....	169.08	
<b>26 01 50 51-0119</b>			<b>LED Lamps</b> <small>(26 01 50 51-0001)</small>		
<b>26 01 50 51-0120</b>			<b>LED Lamps, Candelabra Base, CA10</b> <small>(26 01 50 51-0119)</small>		
26 01 50 51-0121	EA		3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star) .....	13.95	
<b>26 01 50 51-0122</b>			<b>LED Lamps, Medium Base, A19 Or A21</b> <small>(26 01 50 51-0119)</small>		
26 01 50 51-0123	EA		6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star) .....	18.52	
26 01 50 51-0124	EA		11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star) .....	18.52	
26 01 50 51-0125	EA		14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star) .....	30.80	
26 01 50 51-0126	EA		17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star) .....	21.62	
26 01 50 51-0127	EA		18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star) .....	38.47	
26 01 50 51-0128	EA		16.5 Watt, Medium Base, A21 LED Lamp (Green Creative 58239 16.5A21/840/277V) .....	44.86	
			<i>For &gt;25 To 50, Deduct</i>	-2.24	
			<i>For &gt;50 To 100, Deduct</i>	-3.68	
			<i>For &gt;100, Deduct</i>	-5.74	
26 01 50 51-0129	EA		14 Watt, Medium Base, A19, LED Lamp (Sylvania LED14A19/F/835/10YV/RP) .....	14.09	
			<i>For &gt;25 To 50, Deduct</i>	-0.70	
			<i>For &gt;50 To 100, Deduct</i>	-1.21	
			<i>For &gt;100, Deduct</i>	-2.04	
26 01 50 51-0130	EA		16.5 Watt, Medium Base, A21, LED Lamp (GreenCreative 16.5A21/840/277V/R).....	30.06	
			<i>For &gt;25 To 50, Deduct</i>	-1.50	
			<i>For &gt;50 To 100, Deduct</i>	-2.41	
			<i>For &gt;100, Deduct</i>	-3.64	
<b>26 01 50 51-0131</b>			<b>LED Lamps, Medium Base, BR30 Or BR40</b> <small>(26 01 50 51-0119)</small>		
26 01 50 51-0132	EA		9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	25.05	
26 01 50 51-0133	EA		14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	22.46	
26 01 50 51-0134	EA		11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	29.35	
26 01 50 51-0135	EA		14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	24.76	
26 01 50 51-0136	EA		14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	32.42	
26 01 50 51-0137	EA		18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	24.76	
<b>26 01 50 51-0138</b>			<b>LED Lamps, Medium Base, PAR</b> <small>(26 01 50 51-0119)</small>		
26 01 50 51-0139	EA		7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star) .....	27.51	
26 01 50 51-0140	EA		12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star) .....	37.04	
26 01 50 51-0141	EA		16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	37.04	
26 01 50 51-0142	EA		15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	35.50	
26 01 50 51-0143	EA		12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	33.97	
26 01 50 51-0144	EA		15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star) .....	33.97	
26 01 50 51-0145	EA		18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star) .....	64.96	
26 01 50 51-0146	EA		15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star) .....	37.04	
26 01 50 51-0147	EA		18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star) .....	35.50	
26 01 50 51-0148	EA		19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star) .....	37.04	
26 01 50 51-0149	EA		24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star) .....	37.04	
<b>26 01 50 51-0150</b>			<b>LED Lamps, GU Base, MR16</b> <small>(26 01 50 51-0119)</small>		
26 01 50 51-0151	EA		4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star).....	19.39	
26 01 50 51-0152	EA		6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star).....	25.05	
26 01 50 51-0153	EA		8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star).....	27.51	
<b>26 01 50 51-0154</b>			<b>LED Lamps, PL Series</b> <small>(26 01 50 51-0119)</small>		
26 01 50 51-0155	EA		3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23).....	17.09	
26 01 50 51-0156	EA		26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/827/DIR).....	22.35	
26 01 50 51-0157	EA		26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/830/DIR).....	18.64	
26 01 50 51-0158	EA		26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/835/DIR).....	20.96	
26 01 50 51-0159	EA		26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/840/DIR).....	20.96	
26 01 50 51-0160	EA		26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 10.5PLH/930/DIR) .....	25.12	
26 01 50 51-0161	EA		13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/827/DIR) .....	20.96	
26 01 50 51-0162	EA		13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/830/DIR) .....	20.96	
26 01 50 51-0163	EA		13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/835/DIR) .....	20.96	
26 01 50 51-0164	EA		13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/840/DIR) .....	20.96	
26 01 50 51-0165	EA		26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 10PLV/827/DIR).....	23.73	
26 01 50 51-0166	EA		26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/830/DIR).....	23.73	
26 01 50 51-0167	EA		26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 10PLV/835/DIR).....	23.73	
26 01 50 51-0168	EA		26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/840/DIR).....	23.73	
26 01 50 51-0169	EA		26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 11PLV/930/DIR) .....	22.35	
26 01 50 51-0170	EA		13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/827/DIR).....	22.35	
26 01 50 51-0171	EA		13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/830/DIR).....	22.35	
26 01 50 51-0172	EA		13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/835/DIR).....	23.27	
26 01 50 51-0173	EA		13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/840/DIR).....	23.27	
26 01 50 51-0174	EA		26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP).....	23.48	
26 01 50 51-0175	EA		26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP).....	23.48	
26 01 50 51-0176	EA		26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP).....	23.48	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 01 50 51-0177	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP).....	23.48
26 01 50 51-0178	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP).....	24.20
26 01 50 51-0179	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP).....	24.20
26 01 50 51-0180	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26).....	24.20
26 01 50 51-0181	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26).....	24.20
26 01 50 51-0182	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26).....	24.20
26 01 50 51-0183	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24).....	24.20
26 01 50 51-0184	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24).....	24.20
26 01 50 51-0185	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24).....	24.20
26 01 50 51-0186	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP).....	31.43
26 01 50 51-0187	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP).....	31.43
26 01 50 51-0188	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP).....	31.43
26 01 50 51-0189	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP).....	29.76
26 01 50 51-0190	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP).....	29.76
26 01 50 51-0191	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP).....	29.76
26 01 50 51-0192	EA	4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898).....	23.90

**26 01 50 51-0193****HID LED Lamps, Medium Base E26** (26 01 50 51-0119)

26 01 50 51-0194	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26).....	61.71
26 01 50 51-0195	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26).....	61.71
26 01 50 51-0196	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26).....	78.83
26 01 50 51-0197	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26).....	78.83
26 01 50 51-0198	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026).....	51.91
26 01 50 51-0199	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026).....	51.91
26 01 50 51-0200	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026).....	51.91
26 01 50 51-0201	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026).....	51.91
26 01 50 51-0202	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026).....	53.76
26 01 50 51-0203	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026).....	53.76
26 01 50 51-0204	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026).....	53.76
26 01 50 51-0205	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026).....	53.76
26 01 50 51-0206	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026).....	61.17
26 01 50 51-0207	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026).....	61.17
26 01 50 51-0208	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026).....	61.17
26 01 50 51-0209	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026).....	61.17
26 01 50 51-0210	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026).....	70.43
26 01 50 51-0211	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026).....	70.43
26 01 50 51-0212	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026).....	70.43
26 01 50 51-0213	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026).....	70.43
26 01 50 51-0214	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026).....	90.80
26 01 50 51-0215	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026).....	90.80
26 01 50 51-0216	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026).....	90.80
26 01 50 51-0217	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026).....	90.80
26 01 50 51-0218	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026).....	108.39
26 01 50 51-0219	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026).....	108.39
26 01 50 51-0220	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026).....	108.39
26 01 50 51-0221	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026).....	108.39
26 01 50 51-0222	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026).....	120.43
26 01 50 51-0223	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026).....	120.43
26 01 50 51-0224	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026).....	120.43
26 01 50 51-0225	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026).....	120.43
26 01 50 51-0226	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026).....	163.95
26 01 50 51-0227	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026).....	163.95
26 01 50 51-0228	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026).....	163.95
26 01 50 51-0229	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026).....	163.95
26 01 50 51-0230	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026).....	169.51
26 01 50 51-0231	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026).....	169.51
26 01 50 51-0232	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026).....	169.51
26 01 50 51-0233	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026).....	169.51
26 01 50 51-0234	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026).....	201.92
26 01 50 51-0235	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026).....	201.92
26 01 50 51-0236	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026).....	201.92
26 01 50 51-0237	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026).....	201.92
26 01 50 51-0238	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026).....	240.81
26 01 50 51-0239	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026).....	240.81
26 01 50 51-0240	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026).....	240.81
26 01 50 51-0241	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026).....	240.81
26 01 50 51-0242	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED20WPT40KMED-G6).....	76.95
26 01 50 51-0243	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED20WPT50KMED-G6).....	83.43
26 01 50 51-0244	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED27WPT40KMED-G5).....	83.43
26 01 50 51-0245	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED27WPT50KMED-G5).....	76.95
26 01 50 51-0246	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED36WPT40KMED-G5).....	97.32
26 01 50 51-0247	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED36WPT50KMED-G5).....	88.99
26 01 50 51-0248	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED45WPT40KMED-G5).....	107.51
26 01 50 51-0249	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED45WPT50KMED-G5).....	106.42
26 01 50 51-0250	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED54WPT40KMED-G5).....	108.90
26 01 50 51-0251	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED54WPT50KMED-G5).....	108.90
26 01 50 51-0252	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED27WPT40KMED-G7).....	64.94
26 01 50 51-0253	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED27WPT50KMED-G7).....	64.94
26 01 50 51-0254	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED36WPT40KMED-G7).....	73.51
26 01 50 51-0255	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED36WPT50KMED-G7).....	73.51



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains items 26 01 50 51-0256 through 26 01 50 51-0275, and section 26 01 50 51-0276 (HID LED Lamps, Mogul Base E39 Or EX39) with sub-items 26 01 50 51-0277 through 26 01 50 51-0333.

**26 Electrical**  
**26 01 Operation and Maintenance of Electrical Systems**  
**26 01 50 Operation and Maintenance of Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0334	EA		24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A) .....	64.40	
26 01 50 51-0335	EA		24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A) .....	64.40	
26 01 50 51-0336	EA		100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50) .....	192.57	
26 01 50 51-0337	EA		115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D) .....	378.83	
26 01 50 51-0338	EA		40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K) .....	176.64	
26 01 50 51-0339	EA		100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K) .....	208.64	
26 01 50 51-0340	EA		45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K) .....	90.28	
26 01 50 51-0341	EA		40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K) .....	263.64	
<b>26 01 50 51-0342</b>			<b>LED Lamps, 2G11 Base</b> <small>(26 01 50 51-0119)</small>		
26 01 50 51-0343	EA		19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR) .....	44.06	
<b>26 01 50 51-0344</b>			<b>LED Lamps, GX23 Or G23 Base</b> <small>(26 01 50 51-0119)</small>		
26 01 50 51-0345	EA		5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4) .....	21.40	
26 01 50 51-0346	EA		5.5 Watt, GX23 Base, LED Lamp (GreenCreative 5.5PLS/840/HYB/GX23) .....	18.16	
			<i>For &gt;25 To 50, Deduct</i>	-0.91	
			<i>For &gt;50 To 100, Deduct</i>	-1.52	
			<i>For &gt;100, Deduct</i>	-2.45	
26 01 50 51-0347	EA		5.5 Watt, GX23 Base, LED Lamp (GreenCreative 5.5PLSH/840/HYB/GX23) .....	20.12	
			<i>For &gt;25 To 50, Deduct</i>	-1.01	
			<i>For &gt;50 To 100, Deduct</i>	-1.67	
			<i>For &gt;100, Deduct</i>	-2.64	
26 01 50 51-0348	EA		5.5 Watt, GX23 Base, LED Lamp (GreenCreative 5.5PLSH/835/HYB/GX23) .....	20.12	
			<i>For &gt;25 To 50, Deduct</i>	-1.01	
			<i>For &gt;50 To 100, Deduct</i>	-1.67	
			<i>For &gt;100, Deduct</i>	-2.64	
26 01 50 51-0349	EA		3.5 Watt, G23 Base, LED Lamp (GreenCreative 3.5PLS/835/HYB/G23) .....	18.16	
			<i>For &gt;25 To 50, Deduct</i>	-0.91	
			<i>For &gt;50 To 100, Deduct</i>	-1.52	
			<i>For &gt;100, Deduct</i>	-2.45	
26 01 50 51-0350	EA		3.5 Watt, G23 Base, LED Lamp (GreenCreative 3.5PLS/840/HYB/G23) .....	18.16	
			<i>For &gt;25 To 50, Deduct</i>	-0.91	
			<i>For &gt;50 To 100, Deduct</i>	-1.52	
			<i>For &gt;100, Deduct</i>	-2.45	
<b>26 01 50 51-0351</b>			<b>LED Lamps, G24 Base</b> <small>(26 01 50 51-0119)</small>		
26 01 50 51-0352	EA		5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R) .....	27.97	
<b>26 01 50 51-0353</b>			<b>LED Tubes (Fluorescent Lamp Replacement)</b> <small>(26 01 50 51-0119)</small>		
26 01 50 51-0354	EA		2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K) .....	38.36	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.77	
26 01 50 51-0355	EA		2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K) .....	50.15	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.77	
26 01 50 51-0356	EA		3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K) .....	41.34	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.94	
26 01 50 51-0357	EA		4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K) .....	45.30	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-3.11	
26 01 50 51-0358	EA		4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K) .....	49.73	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-3.11	
26 01 50 51-0359	EA		4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN) .....	30.92	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-3.11	
26 01 50 51-0360	EA		2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN) .....	29.87	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.77	
26 01 50 51-0361	EA		2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF) .....	27.13	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.77	
26 01 50 51-0362	EA		3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF) .....	27.57	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.94	
26 01 50 51-0363	EA		4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF) .....	27.51	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-3.11	
26 01 50 51-0364	EA		4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF) .....	28.56	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-3.11	
26 01 50 51-0365	EA		4' LED Lamp Replacement For T8 Fluorescents (Philips 14T8 PRO LED/48-3500) .....	18.77	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-3.11	
			<i>For &gt;25 To 50, Deduct</i>	-0.94	
			<i>For &gt;50 To 100, Deduct</i>	-1.64	
			<i>For &gt;100, Deduct</i>	-2.82	
<b>26 01 50 51-0366</b>			<b>Filament LED Lamps</b> <small>(26 01 50 51-0119)</small>		
26 01 50 51-0367	EA		7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827 ) .....	19.24	
26 01 50 51-0368	EA		4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R ) .....	19.24	
26 01 50 51-0369	EA		4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827) .....	18.32	
26 01 50 51-0370	EA		4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A) .....	18.32	
26 01 50 51-0371	EA		4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827) .....	19.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0372 EA 4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A) .....	19.80	
26 01 50 51-0373 EA 3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827) .....	16.47	
26 01 50 51-0374 EA 3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26) .....	16.47	
26 01 50 51-0375 EA 3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A) .....	17.02	
26 01 50 51-0376 EA 3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A) .....	21.10	
26 01 50 51-0377 EA 4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521) .....	20.72	
<b>26 01 50 51-0378 Other Lamps</b> <small>(26 01 50 51-0119)</small>		
26 01 50 51-0379 EA 8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1) .....	18.17	
26 01 50 51-0380 EA 8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM) .....	18.17	
26 01 50 51-0381 EA 11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM) .....	18.17	
26 01 50 51-0382 EA 12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1) .....	19.10	
26 01 50 51-0383 EA 13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1) .....	19.10	
26 01 50 51-0384 EA 8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1) .....	19.10	
<b>26 01 50 51-0385 LED Lamps, Light Engines, Round, LER Series</b> <small>(26 01 50 51-0119)</small>		
26 01 50 51-0386 EA 5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730) .....	49.86	
26 01 50 51-0387 EA 9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U) .....	27.99	
<b>26 01 50 51-0388 Recycle Hazardous Lamps</b> <small>(26 01 50 51)</small>		
Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.		
26 01 50 51-0389 EA Recycle 2' Length Linear Fluorescent Lamps .....	0.43	
26 01 50 51-0390 EA Recycle 3' Length Linear Fluorescent Lamps .....	0.65	
26 01 50 51-0391 EA Recycle 4' Length Linear Fluorescent Lamps .....	0.87	
26 01 50 51-0392 EA Recycle 6' Length Linear Fluorescent Lamps .....	1.30	
26 01 50 51-0393 EA Recycle 8' Length Linear Fluorescent Lamps .....	1.74	
26 01 50 51-0394 EA Recycle Compact Fluorescent Lamps .....	0.78	
26 01 50 51-0395 EA Recycle U-Shaped Or Circular Fluorescent Lamps .....	0.78	
26 01 50 51-0396 EA Recycle High Intensity Discharge (HID) Lamps .....	2.72	
<b>26 01 50 52 Ballasts Replacement</b> <small>(26 01 50)</small>		
<b>26 01 50 52-0001 Lighting Ballasts</b> <small>(26 01 50 52)</small>		
Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.		
<b>26 01 50 52-0002 Fluorescent Ballasts</b> <small>(26 01 50 52-0001)</small>		
<b>26 01 50 52-0003 T5 Fluorescent Ballasts</b> <small>(26 01 50 52-0002)</small>		
<b>26 01 50 52-0004 T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0003)</small>		
Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0005 14 Watt, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0004)</small>		
26 01 50 52-0006 EA 1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	116.15	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.29	
<i>For High Ballast Factor, Add</i>		
	6.68	
26 01 50 52-0007 EA 2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	121.38	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	7.86	
<i>For High Ballast Factor, Add</i>		
	6.68	
<b>26 01 50 52-0008 21 Watt, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0004)</small>		
26 01 50 52-0009 EA 1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	116.15	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.29	
<i>For High Ballast Factor, Add</i>		
	6.68	
26 01 50 52-0010 EA 2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	121.38	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	7.86	
<i>For High Ballast Factor, Add</i>		
	6.68	
<b>26 01 50 52-0011 28 Watt, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0004)</small>		
26 01 50 52-0012 EA 1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	116.15	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.29	
<i>For High Ballast Factor, Add</i>		
	6.68	
26 01 50 52-0013 EA 2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	121.38	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	7.86	
<i>For High Ballast Factor, Add</i>		
	6.68	
<b>26 01 50 52-0014 35 Watt, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0004)</small>		
26 01 50 52-0015 EA 1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	116.15	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.29	
26 01 50 52-0016 EA 2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	121.38	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	7.86	
<i>For High Ballast Factor, Add</i>		
	7.86	
<b>26 01 50 52-0017 54 Watt, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0004)</small>		

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0018 EA 1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	116.02	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0019 EA 2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	121.25	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
26 01 50 52-0020 EA 3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	166.46	31.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.43	
26 01 50 52-0021 EA 4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	171.71	36.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
<b>26 01 50 52-0022 High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0003)</b>		
Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0023 12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)</b>		
26 01 50 52-0024 EA 1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	97.17	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0025 EA 2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	102.40	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<b>26 01 50 52-0026 24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)</b>		
26 01 50 52-0027 EA 1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	127.52	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0028 EA 2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	132.75	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<b>26 01 50 52-0029 39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)</b>		
26 01 50 52-0030 EA 1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	127.52	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0031 EA 2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	132.75	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<b>26 01 50 52-0032 54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)</b>		
26 01 50 52-0033 EA 1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	97.17	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0034 EA 2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	102.40	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<b>26 01 50 52-0035 Dimming, T5 Fluorescent Electronic Ballasts (26 01 50 52-0003)</b>		
<b>26 01 50 52-0036 Step Dimming, T5 Fluorescent Electronic Ballasts (26 01 50 52-0035)</b>		
Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0037 28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast (26 01 50 52-0036)</b>		
26 01 50 52-0038 EA 2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast.....	111.97	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<b>26 01 50 52-0039 Dimming To 5%, T5 Fluorescent Electronic Ballasts (26 01 50 52-0035)</b>		
Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0040 54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0039)</b>		
26 01 50 52-0041 EA 1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast.....	415.00	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0042 EA 2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast.....	408.76	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<b>26 01 50 52-0043 T8 Fluorescent Ballasts (26 01 50 52-0002)</b>		
<b>26 01 50 52-0044 T8 Fluorescent Electronic Ballasts (26 01 50 52-0043)</b>		
Note: Includes 120/277 Volt and low or normal ballast factor.		
<b>26 01 50 52-0045 17 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)</b>		
26 01 50 52-0046 EA 1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	50.03	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
<i>For High Ballast Factor, Add</i>	16.26	
26 01 50 52-0047 EA 1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	89.15	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
<i>For High Ballast Factor, Add</i>	10.69	
26 01 50 52-0048 EA 2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	55.26	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<i>For High Ballast Factor, Add</i>	16.26	
26 01 50 52-0049 EA 2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	94.38	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<i>For High Ballast Factor, Add</i>	10.69	
26 01 50 52-0050 EA 3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	67.37	31.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.43	
<i>For High Ballast Factor, Add</i>	15.83	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0051 EA 3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	105.64	31.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.43	
<i>For High Ballast Factor, Add</i>	9.09	
26 01 50 52-0052 EA 4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	77.09	36.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
<i>For High Ballast Factor, Add</i>	40.08	
26 01 50 52-0053 EA 4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	115.56	36.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
<i>For High Ballast Factor, Add</i>	23.40	
<b>26 01 50 52-0054 25 Watt, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0044)</small>		
26 01 50 52-0055 EA 1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	50.03	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
<i>For High Ballast Factor, Add</i>	16.26	
26 01 50 52-0056 EA 1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	89.15	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
<i>For High Ballast Factor, Add</i>	10.69	
26 01 50 52-0057 EA 2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	55.26	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<i>For High Ballast Factor, Add</i>	16.26	
26 01 50 52-0058 EA 2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	94.38	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<i>For High Ballast Factor, Add</i>	10.69	
26 01 50 52-0059 EA 3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	67.37	31.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.43	
<i>For High Ballast Factor, Add</i>	15.83	
26 01 50 52-0060 EA 3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	105.64	31.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.43	
<i>For High Ballast Factor, Add</i>	9.09	
26 01 50 52-0061 EA 4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	77.09	36.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
<i>For High Ballast Factor, Add</i>	40.08	
26 01 50 52-0062 EA 4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	115.56	36.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
<i>For High Ballast Factor, Add</i>	23.40	
<b>26 01 50 52-0063 28 Watt, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0044)</small>		
26 01 50 52-0064 EA 1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	50.03	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
<i>For High Ballast Factor, Add</i>	16.26	
26 01 50 52-0065 EA 1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	89.15	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
<i>For High Ballast Factor, Add</i>	10.69	
26 01 50 52-0066 EA 2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	55.26	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<i>For High Ballast Factor, Add</i>	16.26	
26 01 50 52-0067 EA 2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	94.38	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<i>For High Ballast Factor, Add</i>	10.69	
26 01 50 52-0068 EA 3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	67.37	31.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.43	
<i>For High Ballast Factor, Add</i>	15.83	
26 01 50 52-0069 EA 3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	105.64	31.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.43	
<i>For High Ballast Factor, Add</i>	9.09	
26 01 50 52-0070 EA 4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	77.09	36.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
<i>For High Ballast Factor, Add</i>	40.08	
26 01 50 52-0071 EA 4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	115.56	36.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
<i>For High Ballast Factor, Add</i>	23.40	
<b>26 01 50 52-0072 32 Watt, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0044)</small>		
26 01 50 52-0073 EA 1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	50.03	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
<i>For High Ballast Factor, Add</i>	16.26	
26 01 50 52-0074 EA 1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	89.15	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
<i>For High Ballast Factor, Add</i>	10.69	
26 01 50 52-0075 EA 2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	55.26	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<i>For High Ballast Factor, Add</i>	16.26	
26 01 50 52-0076 EA 2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	94.38	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<i>For High Ballast Factor, Add</i>	10.69	
26 01 50 52-0077 EA 3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	67.37	31.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.43	
<i>For High Ballast Factor, Add</i>	15.83	
26 01 50 52-0078 EA 3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	105.64	31.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.43	
<i>For High Ballast Factor, Add</i>	9.09	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0079	EA		4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	77.09 11.01 40.08	36.69
26 01 50 52-0080	EA		4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	115.56 11.01 23.40	36.69
<b>26 01 50 52-0081</b>			<b>40 Watt, T8 Fluorescent Electronic Ballasts</b> (26 01 50 52-0044)		
26 01 50 52-0082	EA		1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	80.86 6.29 6.95	20.97
26 01 50 52-0083	EA		1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	89.15 6.29 10.69	20.97
26 01 50 52-0084	EA		2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	86.09 7.86 6.95	26.20
26 01 50 52-0085	EA		2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	94.38 7.86 10.69	26.20
26 01 50 52-0086	EA		3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	107.64 9.43 4.28	31.44
26 01 50 52-0087	EA		3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.64 9.43	31.44
26 01 50 52-0088	EA		4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	112.89 11.01 4.28	36.69
26 01 50 52-0089	EA		4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.56 11.01	36.69
<b>26 01 50 52-0090</b>			<b>96 Watt, T8 Fluorescent Electronic Ballasts</b> (26 01 50 52-0044)		
26 01 50 52-0091	EA		1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	97.17 6.29 14.89	20.97
26 01 50 52-0092	EA		2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	102.40 7.86 14.89	26.20
<b>26 01 50 52-0093</b>			<b>High-Output, T8HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0043) Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0094</b>			<b>48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0093)		
26 01 50 52-0095	EA		1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.16 6.29	20.97
26 01 50 52-0096	EA		1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.42 6.29	20.97
26 01 50 52-0097	EA		2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.39 7.86	26.20
26 01 50 52-0098	EA		2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.65 7.86	26.20
<b>26 01 50 52-0099</b>			<b>60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0093)		
26 01 50 52-0100	EA		1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.16 6.29	20.97
26 01 50 52-0101	EA		1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.42 6.29	20.97
26 01 50 52-0102	EA		2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.39 7.86	26.20
26 01 50 52-0103	EA		2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.65 7.86	26.20
<b>26 01 50 52-0104</b>			<b>72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0093)		
26 01 50 52-0105	EA		1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.16 6.29	20.97
26 01 50 52-0106	EA		1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.42 6.29	20.97
26 01 50 52-0107	EA		2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.39 7.86	26.20
26 01 50 52-0108	EA		2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.65 7.86	26.20
<b>26 01 50 52-0109</b>			<b>96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0093)		
26 01 50 52-0110	EA		1 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.16 6.29	20.97
26 01 50 52-0111	EA		1 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.42 6.29	20.97







	MINOR		TOTAL DIRECT	DEMOLITION
	CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 01 50 52-0187		<b>Dimming To 3%, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0114)</small>		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0188		<b>17 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0187)</small>		
26 01 50 52-0189	EA	1 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 145.97		20.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 6.29		
26 01 50 52-0190	EA	2 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 151.20		26.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 7.86		
26 01 50 52-0191	EA	3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 180.63		31.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 9.43		
26 01 50 52-0192	EA	4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 185.88		36.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 11.01		
26 01 50 52-0193		<b>25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0187)</small>		
26 01 50 52-0194	EA	1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 145.97		20.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 6.29		
26 01 50 52-0195	EA	2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 151.20		26.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 7.86		
26 01 50 52-0196	EA	3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 180.63		31.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 9.43		
26 01 50 52-0197	EA	4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 185.88		36.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 11.01		
26 01 50 52-0198		<b>28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0187)</small>		
26 01 50 52-0199	EA	1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 145.97		20.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 6.29		
26 01 50 52-0200	EA	2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 151.20		26.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 7.86		
26 01 50 52-0201	EA	3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 180.63		31.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 9.43		
26 01 50 52-0202	EA	4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 185.88		36.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 11.01		
26 01 50 52-0203		<b>32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0187)</small>		
26 01 50 52-0204	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 145.97		20.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 6.29		
26 01 50 52-0205	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 151.20		26.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 7.86		
26 01 50 52-0206	EA	3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 180.63		31.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 9.43		
26 01 50 52-0207	EA	4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast ..... 185.88		36.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 11.01		
26 01 50 52-0208		<b>T10 Fluorescent Ballasts</b> <small>(26 01 50 52-0002)</small>		
26 01 50 52-0209		<b>T10 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0208)</small>		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0210		<b>40 Watt, T10 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0209)</small>		
26 01 50 52-0211	EA	1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast ..... 71.50		20.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 6.29		
26 01 50 52-0212	EA	2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast ..... 76.73		26.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 7.86		
26 01 50 52-0213	EA	3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast ..... 94.14		31.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 9.43		
26 01 50 52-0214		<b>T12 Fluorescent Ballasts</b> <small>(26 01 50 52-0002)</small>		
26 01 50 52-0215		<b>T12 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0214)</small>		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0216		<b>25 Watt, T12 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0215)</small>		
26 01 50 52-0217	EA	1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast ..... 50.03		20.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 6.29		
26 01 50 52-0218	EA	1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast ..... 71.50		20.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 6.29		
26 01 50 52-0219	EA	2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast ..... 55.26		26.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 7.86		
26 01 50 52-0220	EA	2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast ..... 76.73		26.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 7.86		
26 01 50 52-0221	EA	3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast ..... 67.37		31.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 9.43		
26 01 50 52-0222	EA	4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast ..... 77.09		36.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 11.01		
26 01 50 52-0223		<b>30 Watt, T12 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0215)</small>		

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0224 EA 1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	71.50	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0225 EA 2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	76.73	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
26 01 50 52-0226 EA 3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	94.14	31.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.43	
<b>26 01 50 52-0227 34 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)</b>		
26 01 50 52-0228 EA 1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	71.50	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0229 EA 2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	76.73	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
26 01 50 52-0230 EA 3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	94.14	31.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.43	
<b>26 01 50 52-0231 40 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)</b>		
26 01 50 52-0232 EA 1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	71.50	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0233 EA 2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	76.73	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
26 01 50 52-0234 EA 3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	94.14	31.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.43	
<b>26 01 50 52-0235 96 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)</b>		
26 01 50 52-0236 EA 1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	90.09	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0237 EA 2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	102.40	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<b>26 01 50 52-0238 High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0214)</b>		
Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0239 48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)</b>		
26 01 50 52-0240 EA 1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	118.56	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0241 EA 2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	123.79	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<b>26 01 50 52-0242 60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)</b>		
26 01 50 52-0243 EA 1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	118.56	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0244 EA 2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	123.79	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<b>26 01 50 52-0245 72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)</b>		
26 01 50 52-0246 EA 1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	118.56	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0247 EA 2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	123.79	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<b>26 01 50 52-0248 96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)</b>		
26 01 50 52-0249 EA 2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	118.56	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0250 EA 2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	123.79	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<b>26 01 50 52-0251 Emergency Fluorescent Ballasts (26 01 50 52-0002)</b>		
Note: 120/277 Volt.		
26 01 50 52-0252 EA 350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100).....	184.76	20.97
<i>For Factory Installation In New Fixtures, Deduct</i>	-41.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	
26 01 50 52-0253 EA 600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60).....	307.74	26.20
<i>For Factory Installation In New Fixtures, Deduct</i>	-44.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.21	
26 01 50 52-0254 EA 1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50).....	383.97	26.20
<i>For Factory Installation In New Fixtures, Deduct</i>	-44.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.21	
26 01 50 52-0255 EA 600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A).....	282.26	26.20
<i>For Factory Installation In New Fixtures, Deduct</i>	-44.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0256 EA 2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33).....	1,347.74	31.44
<i>For Factory Installation In New Fixtures, Deduct</i>	-46.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.84	
26 01 50 52-0257 EA 225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54).....	389.89	20.97
<i>For Factory Installation In New Fixtures, Deduct</i>	-41.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	
26 01 50 52-0258 EA 325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG).....	657.38	26.20
<i>For Factory Installation In New Fixtures, Deduct</i>	-44.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.21	
26 01 50 52-0259 EA 300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG).....	358.86	26.20
<i>For Factory Installation In New Fixtures, Deduct</i>	-44.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.21	
26 01 50 52-0260 EA 200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413).....	492.05	20.97
<i>For Factory Installation In New Fixtures, Deduct</i>	-41.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	
26 01 50 52-0261 EA 300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463).....	380.16	20.97
<i>For Factory Installation In New Fixtures, Deduct</i>	-41.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	
26 01 50 52-0262 EA 450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426).....	429.87	26.20
<i>For Factory Installation In New Fixtures, Deduct</i>	-44.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.21	
26 01 50 52-0263 EA 1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500).....	465.73	26.20
<i>For Factory Installation In New Fixtures, Deduct</i>	-44.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.21	
26 01 50 52-0264 EA 600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600).....	390.95	26.20
<i>For Factory Installation In New Fixtures, Deduct</i>	-44.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.21	
26 01 50 52-0265 EA 600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700).....	397.32	20.97
<i>For Factory Installation In New Fixtures, Deduct</i>	-41.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	
26 01 50 52-0266 EA 500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900).....	345.48	20.97
<i>For Factory Installation In New Fixtures, Deduct</i>	-41.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	
26 01 50 52-0267 EA 300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C).....	358.86	26.20
<i>For Factory Installation In New Fixtures, Deduct</i>	-44.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.21	
26 01 50 52-0268 EA 450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400).....	351.07	20.97
<i>For Factory Installation In New Fixtures, Deduct</i>	-41.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	
26 01 50 52-0269 EA 1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST).....	646.95	26.20
<i>For Factory Installation In New Fixtures, Deduct</i>	-44.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.21	
26 01 50 52-0270 EA 1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST).....	810.51	26.20
<i>For Factory Installation In New Fixtures, Deduct</i>	-44.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.21	
26 01 50 52-0271 EA 1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT).....	1,521.93	26.20
<i>For Factory Installation In New Fixtures, Deduct</i>	-44.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.21	
26 01 50 52-0272 EA 1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT).....	1,055.36	26.20
<i>For Factory Installation In New Fixtures, Deduct</i>	-44.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.21	
26 01 50 52-0273 EA 1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48).....	533.72	26.20
<i>For Factory Installation In New Fixtures, Deduct</i>	-44.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.21	
26 01 50 52-0274 EA 1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1).....	694.00	20.97
<i>For Factory Installation In New Fixtures, Deduct</i>	-41.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	
26 01 50 52-0275 EA 250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD).....	3,909.33	26.20
<i>For Factory Installation In New Fixtures, Deduct</i>	-41.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	
<b>26 01 50 52-0276 LED Emergency Ballasts (26 01 50 52-0001)</b>		
26 01 50 52-0277 EA Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L).....	118.76	20.97
<i>For Factory Installation In New Fixtures, Deduct</i>	-41.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0278 EA Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST).....	175.75	20.97
<i>For Factory Installation In New Fixtures, Deduct</i>	-41.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	
26 01 50 52-0279 EA Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C).....	209.93	20.97
<i>For Factory Installation In New Fixtures, Deduct</i>	-41.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	
26 01 50 52-0280 EA Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310).....	234.33	20.97
<i>For Factory Installation In New Fixtures, Deduct</i>	-41.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	
26 01 50 52-0281 EA Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718).....	240.50	20.97
<i>For Factory Installation In New Fixtures, Deduct</i>	-41.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	
26 01 50 52-0282 EA Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV).....	311.93	20.97
<i>For Factory Installation In New Fixtures, Deduct</i>	-41.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	
26 01 50 52-0283 EA Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ).....	369.24	20.97
<i>For Factory Installation In New Fixtures, Deduct</i>	-41.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	
<b>26 01 50 52-0284 Compact Fluorescent Ballasts</b> (26 01 50 52-0001)		
<b>26 01 50 52-0285 Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0284)		
Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0286 18 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0287 EA 1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	109.74	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0288 EA 2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	114.97	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<b>26 01 50 52-0289 26 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0290 EA 1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	109.74	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0291 EA 2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	114.97	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<b>26 01 50 52-0292 32 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0293 EA 1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	136.61	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0294 EA 2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	141.84	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<b>26 01 50 52-0295 40 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0296 EA 1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	106.53	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0297 EA 1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	136.61	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0298 EA 2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	202.03	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
26 01 50 52-0299 EA 2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	141.84	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
26 01 50 52-0300 EA 3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	238.72	31.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.43	
<b>26 01 50 52-0301 42 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0302 EA 1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	136.61	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0303 EA 2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	141.84	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<b>26 01 50 52-0304 55 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0305 EA 1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	136.61	20.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0306 EA 2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	141.84	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
<b>26 01 50 52-0307 Dimming, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0284)		
<b>26 01 50 52-0308 Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0307)		
Note: Includes 120/277 Volt and normal ballast factor.		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 01 50 52-0309</b> <b>18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0309)</small>		
26 01 50 52-0310    EA    1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.32 6.29	20.97
26 01 50 52-0311    EA    2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	210.55 7.86	26.20
<b>26 01 50 52-0312</b> <b>26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0309)</small>		
26 01 50 52-0313    EA    1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.32 6.29	20.97
26 01 50 52-0314    EA    2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	210.55 7.86	26.20
<b>26 01 50 52-0315</b> <b>32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0309)</small>		
26 01 50 52-0316    EA    1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.32 6.29	20.97
26 01 50 52-0317    EA    2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	225.39 7.86	26.20
<b>26 01 50 52-0318</b> <b>40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0309)</small>		
26 01 50 52-0319    EA    2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	225.39 7.86	26.20
<b>26 01 50 52-0320</b> <b>42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0309)</small>		
26 01 50 52-0321    EA    1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.32 6.29	20.97
26 01 50 52-0322    EA    2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	225.39 7.86	26.20
<b>26 01 50 52-0323</b> <b>55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0309)</small>		
26 01 50 52-0324    EA    1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	329.65 6.29	20.97
26 01 50 52-0325    EA    2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	369.77 7.86	26.20
<b>26 01 50 52-0326</b> <b>High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0001)</small>		
<b>26 01 50 52-0327</b> <b>Magnetic High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0326)</small>		
<b>26 01 50 52-0328</b> <b>Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
<b>26 01 50 52-0329</b> <b>Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0328)</small>		
26 01 50 52-0330    EA    1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.37 11.01	26.20
26 01 50 52-0331    EA    1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.63 11.01	26.20
26 01 50 52-0332    EA    1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.63 11.01	26.20
26 01 50 52-0333    EA    1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160.51 11.01	26.20
26 01 50 52-0334    EA    1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160.51 11.01	26.20
26 01 50 52-0335    EA    1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.75 11.01	26.20
26 01 50 52-0336    EA    1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.75 11.01	26.20
26 01 50 52-0337    EA    1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	313.31 11.01	26.20
26 01 50 52-0338    EA    1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	349.82 11.01	26.20
<b>26 01 50 52-0339</b> <b>High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0328)</small>		
26 01 50 52-0340    EA    1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.54 11.01	26.20
26 01 50 52-0341    EA    1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.06 11.01	26.20
26 01 50 52-0342    EA    1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.95 11.01	26.20
26 01 50 52-0343    EA    1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	185.57 11.01	26.20

**26 Electrical**  
**26 01 Operation and Maintenance of Electrical Systems**  
**26 01 50 Operation and Maintenance of Lighting**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0344 EA 1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	181.48	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0345 EA 1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	208.04	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0346 EA 1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	208.04	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0347 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	252.21	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0348 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	252.21	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0349 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	407.19	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0350 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	407.19	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
<b>26 01 50 52-0351 Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0328)</small>		
26 01 50 52-0352 EA Single Mounting Bracket For Core And Coil Type .....	15.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.14	
26 01 50 52-0353 EA Double Mounting Bracket For Core And Coil Type .....	26.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.72	
<b>26 01 50 52-0354 F-Can High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
<b>26 01 50 52-0355 Metal Halide, F-Can High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0354)</small>		
26 01 50 52-0356 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	215.27	26.20
<i>For Pulse Start Ballast, Add</i>	17.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0357 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	227.08	26.20
<i>For Pulse Start Ballast, Add</i>	19.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0358 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	206.33	26.20
<i>For Pulse Start Ballast, Add</i>	16.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0359 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	240.43	26.20
<i>For Pulse Start Ballast, Add</i>	20.37	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0360 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	336.02	26.20
<i>For Pulse Start Ballast, Add</i>	29.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
<b>26 01 50 52-0361 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0354)</small>		
26 01 50 52-0362 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	260.03	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0363 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	278.45	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
<b>26 01 50 52-0364 Postline High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
<b>26 01 50 52-0365 Metal Halide, Postline High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0364)</small>		
26 01 50 52-0366 EA 1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	436.55	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
<b>26 01 50 52-0367 High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0364)</small>		
26 01 50 52-0368 EA 1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	675.59	26.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.97	
26 01 50 52-0369 EA 1 Lamp, 250 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	754.09	26.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.97	
26 01 50 52-0370 EA 1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	726.93	26.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.97	
<b>26 01 50 52-0371 Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
<b>26 01 50 52-0372 Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0371)</small>		
26 01 50 52-0373 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	538.80	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0374 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	612.30	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0375 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	810.52	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0376 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	806.25	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0377 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,131.56	28.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.64	
26 01 50 52-0378 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,131.56	28.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0379 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	777.09	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0380 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	915.24	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
<b>26 01 50 52-0381 High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0371)</small>		
26 01 50 52-0382 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,010.23	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0383 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	961.54	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0384 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,237.59	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0385 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,237.59	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
<b>26 01 50 52-0386 Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
<b>26 01 50 52-0387 Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0386)</small>		
26 01 50 52-0388 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	606.15	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0389 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	655.21	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0390 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	650.38	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0391 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	683.24	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0392 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	1,088.70	28.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.64	
26 01 50 52-0393 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	1,339.67	28.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.64	
26 01 50 52-0394 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	1,015.94	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0395 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	924.43	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
<b>26 01 50 52-0396 High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0386)</small>		
26 01 50 52-0397 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	784.16	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0398 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	846.03	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0399 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	1,266.15	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0400 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	1,088.65	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
<b>26 01 50 52-0401 Electronic High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0326)</small>		
<b>26 01 50 52-0402 Electronic Low Frequency High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0401)</small>		
26 01 50 52-0403 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	238.80	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0404 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	238.80	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0405 EA 1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	269.81	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0406 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	704.40	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0407 EA 1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	704.40	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0408 EA 1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	704.40	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0409 EA 1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	704.40	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0410 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	704.40	26.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
<b>26 01 50 52-0411 Owner Supplied Ballasts</b> <small>(26 01 50 52-0001)</small>		
26 01 50 52-0412 EA Install Owner Supplied, 1 Lamp Fluorescent Ballast.....	20.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 01 50 52-0413 EA Install Owner Supplied, 2 Lamp Fluorescent Ballast.....	26.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
26 01 50 52-0414 EA Install Owner Supplied, 3 Lamp Fluorescent Ballast.....	30.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.12	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT UNIT COST  
DEMOLITION UNIT COST

26 01 50 52-0415	EA	Install Owner Supplied, 4 Lamp Fluorescent Ballast.....	32.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.75	
26 01 50 52-0416	EA	Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast.....	36.69	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 01 50 52-0417	EA	Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast.....	38.79	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.64	

**26 01 50 53 Lens and Accessory Replacement** (26 01 50)**26 01 50 53-0001 Lens and Accessory Replacement** (26 01 50 53)

26 01 50 53-0002	EA	Removal And Replacement Of Parabolic Aluminum Louver.....	79.30	
26 01 50 53-0003	EA	Removal And Replacement Of Visor For Fixtures.....	169.62	
26 01 50 53-0004	EA	Removal And Replacement Of Globe On Pole.....	196.31	
26 01 50 53-0005	EA	Removal And Replacement Of Lenses For Flat Top Pole Fixtures.....	80.42	
26 01 50 53-0006	EA	Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	27.27	
26 01 50 53-0007	EA	Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	28.30	
26 01 50 53-0008	EA	Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	32.74	
26 01 50 53-0009	EA	Removal And Replacement Of Slide-On Lampholder.....	12.05	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.14	
26 01 50 53-0010	EA	Removal And Replacement Of Screw Mount Lampholder.....	12.21	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.14	
26 01 50 53-0011	EA	Removal And Replacement Of Medium Bi-Pin Lampholder.....	13.57	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.14	
26 01 50 53-0012	EA	Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	15.65	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.14	
26 01 50 53-0013	EA	Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	17.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.14	
26 01 50 53-0014	EA	Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in.....	13.36	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.14	
26 01 50 53-0015	EA	Removal And Replacement Of Exterior Light Globes.....	53.31	

**26 01 50 81 Luminaire Replacement** (26 01 50)**26 01 50 81-0001 Retrofit Lighting Fixtures** (26 01 50 81)**26 01 50 81-0002 LED Lighting Retrofits For Existing Fixtures** (26 01 50 81-0001)**26 01 50 81-0003 LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative)** (26 01 50 81-0002)

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0388 for disposal of hazardous lamps.

26 01 50 81-0004	EA	7" Round Downlight, 15 Watt, 2700K CCT, LED Retrofit (GreenCreative 15SMR7DIM/927).....	103.56	
26 01 50 81-0005	EA	7" Round Downlight, 15 Watt, 3000K CCT, LED Retrofit (GreenCreative 15SMR7DIM/930).....	103.56	
26 01 50 81-0006	EA	7" Round Downlight, 15 Watt, 4000K CCT, LED Retrofit (GreenCreative 15SMR7DIM/940).....	103.56	
26 01 50 81-0007	EA	4" Diameter, 8.5 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827).....	83.65	
26 01 50 81-0008	EA	4" Diameter, 8.5 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830).....	83.65	
26 01 50 81-0009	EA	4" Diameter, 8.5 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840).....	83.65	
26 01 50 81-0010	EA	6" Diameter, 11.6 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827).....	92.04	
26 01 50 81-0011	EA	6" Diameter, 11.6 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830).....	92.04	
26 01 50 81-0012	EA	6" Diameter, 11.6 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840).....	92.04	

**26 01 50 81-0013 LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology)** (26 01 50 81-0002)

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0388 for disposal of hazardous lamps.

26 01 50 81-0014	EA	2,300 Lumens, 23 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-20w).....	313.10	
26 01 50 81-0015	EA	3,300 Lumens, 33 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-30w).....	325.68	
26 01 50 81-0016	EA	4,400 Lumens, 44 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-40w).....	338.25	
26 01 50 81-0017	EA	5,400 Lumens, 54 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-50w).....	352.92	
26 01 50 81-0018	EA	6,500 Lumens, 65 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-60w).....	389.59	
26 01 50 81-0019	EA	7,600 Lumens, 75 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-70w).....	404.27	
26 01 50 81-0020	EA	8,600 Lumens, 86 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-80w).....	438.85	
26 01 50 81-0021	EA	9,600 Lumens, 96 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-90w).....	451.42	
26 01 50 81-0022	EA	10,700 Lumens, 107 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-100w).....	466.09	
26 01 50 81-0023	EA	11,700 Lumens, 117 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-110w).....	489.14	
26 01 50 81-0024	EA	12,800 Lumens, 128 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-120w).....	513.24	
26 01 50 81-0025	EA	13,800 Lumens, 138 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-130w).....	537.34	
26 01 50 81-0026	EA	14,900 Lumens, 149 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-140w).....	549.92	
26 01 50 81-0027	EA	16,100 Lumens, 161 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-150w).....	570.87	
26 01 50 81-0028	EA	17,200 Lumens, 172 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-160w).....	594.96	
26 01 50 81-0029	EA	18,200 Lumens, 182 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-170w).....	621.16	
26 01 50 81-0030	EA	19,300 Lumens, 193 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-180w).....	660.98	
26 01 50 81-0031	EA	20,300 Lumens, 203 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-190w).....	678.79	
26 01 50 81-0032	EA	21,400 Lumens, 214 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-200w).....	709.18	
26 01 50 81-0033	EA	22,400 Lumens, 224 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-210w).....	750.05	
26 01 50 81-0034	EA	23,500 Lumens, 235 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-220w).....	771.00	
26 01 50 81-0035	EA	24,500 Lumens, 245 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-230w).....	820.24	
26 01 50 81-0036	EA	25,600 Lumens, 256 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-240w).....	866.35	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0037	EA			26,600 Lumens, 266 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-250w) .....	897.78	
26 01 50 81-0038	EA			27,700 Lumens, 277 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-260w) .....	942.84	
26 01 50 81-0039	EA			28,700 Lumens, 287 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-270w) .....	1,029.81	
26 01 50 81-0040	EA			29,800 Lumens, 298 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-280w) .....	1,040.29	
26 01 50 81-0041	EA			31,900 Lumens, 319 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-300w) .....	1,066.48	
<b>26 01 50 81-0042</b>				<b>LED Lighting Retrofits For Existing Fixtures (Optilumen)</b> <small>(26 01 50 81-0002)</small>		
				Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0388 for disposal of hazardous lamps.		
26 01 50 81-0043	EA			20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35).....	129.79	
				Note: Fits 1' x 4' Troffer/Strip		
26 01 50 81-0044	EA			20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40).....	129.79	
				Note: Fits 1' x 4' Troffer/Strip		
26 01 50 81-0045	EA			20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50).....	129.79	
				Note: Fits 1' x 4' Troffer/Strip		
26 01 50 81-0046	EA			30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35).....	135.03	
				Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0047	EA			2 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2415M-40) .....	135.03	
				Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0048	EA			2 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2415M-50) .....	135.03	
				Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0049	EA			2 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2418M-35) .....	145.51	
				Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0050	EA			2 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2418M-40) .....	145.51	
				Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0051	EA			2 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2418M-50) .....	145.51	
				Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0052	EA			3 x 42", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3415M-35) .....	135.03	
				Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0053	EA			3 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3415M-40) .....	135.03	
				Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0054	EA			3 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3415M-50) .....	135.03	
				Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0055	EA			3 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3418M-35) .....	145.51	
				Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0056	EA			3 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3418M-40) .....	145.51	
				Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0057	EA			3 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3418M-50) .....	145.51	
				Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0058	EA			3 x 42", 60 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3424M-35) .....	166.47	
				Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0059	EA			3 x 42", 60 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3424M-40) .....	166.47	
				Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0060	EA			3 x 42", 60 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3424M-50) .....	166.47	
				Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0061	EA			1 x 21", 10 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT1209M-35) .....	129.79	
				Note: Fits 1' x 2' Troffer/Strip		
26 01 50 81-0062	EA			1 x 21", 10 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT1209M-40) .....	129.79	
				Note: Fits 1' x 2' Troffer/Strip		
26 01 50 81-0063	EA			1 x 21", 10 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT1209M-50) .....	129.79	
				Note: Fits 1' x 2' Troffer/Strip		
26 01 50 81-0064	EA			2 x 21", 22 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2209M-35) .....	129.79	
				Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0065	EA			2 x 21", 22 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2209M-40) .....	129.79	
				Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0066	EA			2 x 21", 22 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2209M-50) .....	129.79	
				Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0067	EA			3 x 21", 20 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3209M-35) .....	135.03	
				Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0068	EA			3 x 21", 20 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3209M-40) .....	135.03	
				Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0069	EA			3 x 21", 20 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3209M-50) .....	135.03	
				Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0070	EA			3 x 21", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3210M-35) .....	141.32	
				Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0071	EA			3 x 21", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3210M-40) .....	141.32	
				Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0072	EA			3 x 21", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3210M-50) .....	141.32	
				Note: Fits 2' x 2' Troffer/Strip		
<b>26 01 50 81-0073</b>				<b>LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG)</b> <small>(26 01 50 81-0002)</small>		
				Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0388 for disposal of hazardous lamps.		
26 01 50 81-0074	EA			34 Watt, 3500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN).....	304.36	
26 01 50 81-0075	EA			34 Watt, 4000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN).....	304.36	
26 01 50 81-0076	EA			26 Watt, 3500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN).....	273.98	
26 01 50 81-0077	EA			26 Watt, 4000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN).....	273.98	
26 01 50 81-0078	EA			25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV) .....	132.96	
				Note: No sensor, ZigBee ready driver		

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0079	EA		25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV) .....132.96 Note: No sensor, ZigBee ready driver	132.96	
26 01 50 81-0080	EA		31 Watt, 4,050 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV) .....152.87 Note: No sensor, ZigBee ready driver	152.87	
26 01 50 81-0081	EA		31 Watt, 4,050 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV) .....152.87 Note: No sensor, ZigBee ready driver	152.87	
26 01 50 81-0082	EA		25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV) .....167.54 Note: Factory installed sensor and ZigBee dongle	167.54	
26 01 50 81-0083	EA		25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV) .....167.54 Note: Factory installed sensor and ZigBee dongle	167.54	
26 01 50 81-0084	EA		31 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV) .....172.78 Note: Factory installed sensor and ZigBee dongle	172.78	
26 01 50 81-0085	EA		31 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV) .....172.78 Note: Factory installed sensor and ZigBee dongle	172.78	
26 01 50 81-0086	EA		2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-2BDK-25-35-3120) .....102.57 Note: No sensor, ZigBee ready driver	102.57	
26 01 50 81-0087	EA		2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-2BDK-25-40-3120) .....102.57 Note: No sensor, ZigBee ready driver	102.57	
26 01 50 81-0088	EA		2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-4BDK-31-35-3880) .....115.14 Note: No sensor, ZigBee ready driver	115.14	
26 01 50 81-0089	EA		2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-4BDK-31-40-3880) .....115.14 Note: No sensor, ZigBee ready driver	115.14	
26 01 50 81-0090	EA		2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L) .....105.71 Note: No sensor, ZigBee ready driver	105.71	
26 01 50 81-0091	EA		2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L) .....105.71 Note: No sensor, ZigBee ready driver	105.71	
26 01 50 81-0092	EA		2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L) .....118.29 Note: No sensor, ZigBee ready driver	118.29	
26 01 50 81-0093	EA		2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L) .....118.29 Note: No sensor, ZigBee ready driver	118.29	
26 01 50 81-0094	EA		6" Diameter, 16 Watt, 1,450 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450) .....104.66 Note: No sensor, ZigBee ready driver	104.66	
26 01 50 81-0095	EA		6" Diameter, 16 Watt, 1,450 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450) .....104.66 Note: No sensor, ZigBee ready driver	104.66	
26 01 50 81-0096	EA		8" Diameter, 22 Watt, 2,000 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000) .....114.10 Note: No sensor, ZigBee ready driver	114.10	
26 01 50 81-0097	EA		8" Diameter, 22 Watt, 2,000 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000) .....114.10 Note: No sensor, ZigBee ready driver	114.10	
<b>26 01 50 81-0098</b>			<b>LED Lighting Retrofit Accessories (LG)</b> <small>(26 01 50 81-0002)</small> See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0388 for disposal of hazardous lamps.		
26 01 50 81-0099	EA		Dongle (LG LGE-DONGLE) .....22.82	22.82	
26 01 50 81-0100	EA		1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B) .....124.93	124.93	11.92
26 01 50 81-0101	EA		2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B) .....129.69	129.69	14.29
26 01 50 81-0102	EA		1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B) .....161.05	161.05	11.92
26 01 50 81-0103	EA		2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B) .....165.81	165.81	14.29
26 01 50 81-0104	EA		Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR) .....82.26	82.26	9.53
26 01 50 81-0105	EA		Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP) .....26.50	26.50	9.53
26 01 50 81-0106	EA		Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE) .....28.61	28.61	9.53
26 01 50 81-0107	EA		Wireless Interface Module (LG PIHN-W005A) .....76.43 Note: includes dongle	76.43	14.29
<b>26 01 50 81-0108</b>			<b>Retrofit Existing (T12) Fluorescent Fixtures</b> <small>(26 01 50 81-0001)</small> Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0388 for hazardous lamp recycling.		
<b>26 01 50 81-0109</b>			<b>Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector</b> <small>(26 01 50 81-0108)</small> Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0110	EA		Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp .....96.40 <i>For Specular Ballast Cover, Add</i> 11.96	96.40	
26 01 50 81-0111	EA		Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps .....102.33 <i>For Specular Ballast Cover, Add</i> 13.15	102.33	
26 01 50 81-0112	EA		Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps .....140.70 <i>For Specular Ballast Cover, Add</i> 20.82	140.70	
26 01 50 81-0113	EA		Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps .....161.64 <i>For Specular Ballast Cover, Add</i> 25.01	161.64	
<b>26 01 50 81-0114</b>			<b>Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector</b> <small>(26 01 50 81-0108)</small> Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0115	EA		Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp .....102.04 <i>For Specular Reflector, Add</i> 17.05	102.04	
26 01 50 81-0116	EA		Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps .....108.65 <i>For Specular Reflector, Add</i> 17.05	108.65	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0117	EA		Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	148.60	
			<i>For Specular Reflector, Add</i>	17.05	
26 01 50 81-0118	EA		Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps .....	190.16	
			<i>For Specular Reflector, Add</i>	17.05	
<b>26 01 50 81-0119</b>			<b>Retrofit Existing (T12) Troffer Style Fluorescent Fixtures</b> <small>(26 01 50 81-0108)</small>		
			Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0120	EA		Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps.....	127.17	
			<i>For Specular Reflector, Add</i>	17.05	
26 01 50 81-0121	EA		Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps .....	133.10	
			<i>For Specular Reflector, Add</i>	17.05	
26 01 50 81-0122	EA		Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps .....	136.34	
			<i>For Specular Reflector, Add</i>	17.05	
26 01 50 81-0123	EA		Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps .....	153.03	
			<i>For Specular Reflector, Add</i>	17.05	
26 01 50 81-0124	EA		Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps .....	186.79	
			<i>For Specular Reflector, Add</i>	17.05	
26 01 50 81-0125	EA		Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps .....	139.87	
			<i>For Specular Reflector, Add</i>	17.05	
26 01 50 81-0126	EA		Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps .....	153.80	
			<i>For Specular Reflector, Add</i>	17.05	
26 01 50 81-0127	EA		Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps .....	165.32	
			<i>For Specular Reflector, Add</i>	17.05	
<b>26 01 50 81-0128</b>			<b>Retrofit Existing Recessed Lay-In/Troffer Fixtures</b> <small>(26 01 50 81-0001)</small>		
<b>26 01 50 81-0129</b>			<b>Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia)</b> <small>(26 01 50 81-0128)</small>		
			Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0388 for disposal of hazardous lamps.		
26 01 50 81-0130	EA		2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	152.21	
26 01 50 81-0131	EA		2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	152.21	
26 01 50 81-0132	EA		2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	152.21	
26 01 50 81-0133	EA		2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	165.73	
26 01 50 81-0134	EA		2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	152.21	
26 01 50 81-0135	EA		2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	152.21	
26 01 50 81-0136	EA		2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	152.21	
26 01 50 81-0137	EA		2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	165.73	
26 01 50 81-0138	EA		2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	153.03	
26 01 50 81-0139	EA		2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	153.03	
26 01 50 81-0140	EA		2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	153.03	
26 01 50 81-0141	EA		2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	166.55	
26 01 50 81-0142	EA		2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	153.03	
26 01 50 81-0143	EA		2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	153.03	
26 01 50 81-0144	EA		2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	153.03	
26 01 50 81-0145	EA		2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	166.55	
<b>26 01 50 81-0146</b>			<b>LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED)</b> <small>(26 01 50 81-0128)</small>		
			Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0388 for disposal of hazardous lamps.		
26 01 50 81-0147	EA		2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025).....	212.54	
26 01 50 81-0148	EA		4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045).....	221.73	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0149			<b>LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™)</b> <small>(26 01 50 81-0128)</small>		
			Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0388 for disposal of hazardous lamps.		
26 01 50 81-0150	EA		1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L).....	322.23	
26 01 50 81-0151	EA		2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L).....	330.09	
26 01 50 81-0152	EA		2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L).....	322.23	
26 01 50 81-0153	EA		3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L).....	330.09	
26 01 50 81-0154	EA		3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L).....	369.41	
26 01 50 81-0155	EA		4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L).....	381.20	
26 01 50 81-0156	EA		5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L).....	408.72	
26 01 50 81-0157			<b>LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion)</b> <small>(26 01 50 81-0128)</small>		
			Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0388 for disposal of hazardous lamps.		
26 01 50 81-0158	EA		3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST).....	298.17	
26 01 50 81-0159	EA		3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST).....	309.14	
26 01 50 81-0160	EA		3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST).....	312.42	
26 01 50 81-0161	EA		3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST).....	323.39	
26 01 50 81-0162	EA		2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST).....	224.14	
26 01 50 81-0163	EA		4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST).....	229.35	
26 01 50 81-0164	EA		3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST).....	237.68	
26 01 50 81-0165	EA		4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST).....	242.89	
26 01 50 81-0166	EA		6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST).....	301.23	
26 01 50 81-0167	EA		8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST).....	359.58	
26 01 50 81-0168			<b>Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)</b> <small>(26 01 50 81-0128)</small>		
			Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0388 for disposal of hazardous lamps.		
26 01 50 81-0169	EA		1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	270.34	
26 01 50 81-0170	EA		1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	197.82	
26 01 50 81-0171	EA		2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	277.16	
26 01 50 81-0172	EA		2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	204.53	
26 01 50 81-0173	EA		3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	289.89	
26 01 50 81-0174	EA		3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	223.04	
26 01 50 81-0175	EA		1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	319.54	
26 01 50 81-0176	EA		1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	246.83	
26 01 50 81-0177	EA		2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	325.96	
26 01 50 81-0178	EA		2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	253.25	
26 01 50 81-0179	EA		3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	338.60	
26 01 50 81-0180	EA		3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	271.71	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0181 LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) <small>(26 01 50 81-0128)</small>		
Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0388 for disposal of hazardous lamps.		
26 01 50 81-0182 EA 3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT).....	598.74	
26 01 50 81-0183 EA 4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT).....	665.78	
26 01 50 81-0184 Retrofit Existing HID Fixtures <small>(26 01 50 81-0001)</small>		
26 01 50 81-0185 EA Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P).....	1,359.15	
26 01 50 81-0186 Retrofit Existing Recessed Can Fixtures <small>(26 01 50 81-0001)</small>		
26 01 50 81-0187 EA 8" LED Can Retrofit, 2400 Lumens, 3500K, 277 Volt, 0-10 Volt, Open Reflector, Haze Trim (Juno Lighting JCLR8L 24LM 35K 80CRI MVOLT ZT HZWH).....	230.87	28.58
For >25 To 50, Deduct	-11.54	
For >50 To 100, Deduct	-18.39	
For >100, Deduct	-27.38	
26 01 50 81-0188 EA 6" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN6RV 35/15 LR 6 AR LD MVOLT EZ1 LH NLTAIR2).....	253.01	
For >25 To 50, Deduct	-12.65	
For >50 To 100, Deduct	-20.28	
For >100, Deduct	-30.52	
26 01 50 81-0189 EA 6" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN6RV 35/15 LRW 6 AR LD MVOLT EZ1 LH).....	253.01	
For >25 To 50, Deduct	-12.65	
For >50 To 100, Deduct	-20.28	
For >100, Deduct	-30.52	
26 01 50 81-0190 EA 6" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN6RV 35/15 LR6 LD MVOLT EZ1 NLTAIR2).....	221.29	
For >25 To 50, Deduct	-11.06	
For >50 To 100, Deduct	-17.90	
For >100, Deduct	-27.34	
26 01 50 81-0191 EA 6" Round, 800 Lumens, 3500K CCT, Recessed Can LED Retrofit Kit (Acuity Lighting LRT6-08LM35K277G4-80CRI-ZT-F-P-PF).....	265.78	
For >25 To 50, Deduct	-13.29	
For >50 To 100, Deduct	-21.01	
For >100, Deduct	-30.87	
26 01 50 81-0192 EA 8" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 35/15 LR 8 AR LD MVOLT EZ1 LH NLTAIR2).....	250.96	
For >25 To 50, Deduct	-12.55	
For >50 To 100, Deduct	-20.13	
For >100, Deduct	-30.31	
26 01 50 81-0193 EA 8" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 35/15 LR 8 AR LD MVOLT EZ1 LH).....	293.62	
For >25 To 50, Deduct	-14.68	
For >50 To 100, Deduct	-23.33	
For >100, Deduct	-34.58	
26 01 50 81-0194 EA 8" Round, 1,500 Lumens, 4000K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 40/15 LR 8 AR LD MVOLT EZ1 LH).....	293.62	
For >25 To 50, Deduct	-14.68	
For >50 To 100, Deduct	-23.33	
For >100, Deduct	-34.58	
26 01 50 81-0195 EA 8" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 35/15 LRW 8 AR LD MVOLT EZ1 LH NLTAIR2).....	253.01	
For >25 To 50, Deduct	-12.65	
For >50 To 100, Deduct	-20.28	
For >100, Deduct	-30.52	
26 01 50 81-0196 EA 8" Round, 2,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 35/25 LRW 8 AR LD MVOLT GZ1 LH).....	239.67	
For >25 To 50, Deduct	-11.98	
For >50 To 100, Deduct	-19.28	
For >100, Deduct	-29.18	
26 01 50 81-0197 EA 8" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 35/15 LR8 LD MVOLT EZ1 NLTAIR2).....	253.01	
For >25 To 50, Deduct	-12.65	
For >50 To 100, Deduct	-20.28	
For >100, Deduct	-30.52	
26 01 50 81-0198 EA 8" Round, 1,500 Lumens, 4000K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 40/15 LR8 LD MVOLT EZ1 NLTAIR2).....	293.62	
For >25 To 50, Deduct	-14.68	
For >50 To 100, Deduct	-23.33	
For >100, Deduct	-34.58	
26 01 50 81-0199 EA 12" Round, 1,300 Lumens, 4000K CCT, Recessed Can LED Retrofit Kit (Lithonia LRT12 13LM 40K MVOLT 80CRI ZT HN CD PF).....	411.97	
For >25 To 50, Deduct	-20.60	
For >50 To 100, Deduct	-32.20	
For >100, Deduct	-46.42	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0200			<b>LED Lighting Retrofits For Existing Fluorescent Fixtures</b> <small>(26 01 50 81-0001)</small> Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 26 01 50 51-0388 for disposal of hazardous lamps.		
26 01 50 81-0201			<b>LED Lightbar Retrofit For Existing Fluorescent Fixtures (Lithonia)</b> <small>(26 01 50 81-0200)</small>		
26 01 50 81-0202	EA		2' Length, 2 Bar, 2,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 2 2000LMHE 80CRI 35K MIN10 GZT MVOLT).....	101.41	
			<i>For &gt;25 To 50, Deduct</i>	-5.07	
			<i>For &gt;50 To 100, Deduct</i>	-8.78	
			<i>For &gt;100, Deduct</i>	-14.84	
26 01 50 81-0203	EA		2' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 4 8000LMHE 80CRI MIN10 GZT MVOLT).....	148.02	
			<i>For &gt;25 To 50, Deduct</i>	-7.40	
			<i>For &gt;50 To 100, Deduct</i>	-12.28	
			<i>For &gt;100, Deduct</i>	-19.51	
26 01 50 81-0204	EA		3' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	110.34	
			<i>For &gt;25 To 50, Deduct</i>	-5.52	
			<i>For &gt;50 To 100, Deduct</i>	-9.52	
			<i>For &gt;100, Deduct</i>	-16.00	
26 01 50 81-0205	EA		3' Length, 1 Bar, 1,600 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 1 1600LMHE 80CRI 35K MIN10 GZT MVOLT).....	101.25	
			<i>For &gt;25 To 50, Deduct</i>	-5.06	
			<i>For &gt;50 To 100, Deduct</i>	-8.83	
			<i>For &gt;100, Deduct</i>	-15.09	
26 01 50 81-0206	EA		4' Length, 2 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 6000LMHE 80CRI 35K MIN10 GZT MVOLT).....	133.04	
			<i>For &gt;25 To 50, Deduct</i>	-6.65	
			<i>For &gt;50 To 100, Deduct</i>	-11.28	
			<i>For &gt;100, Deduct</i>	-18.53	
26 01 50 81-0207	EA		4' Length, 4 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 6000LMHE 80CRI 35K MIN10 GZT MVOLT).....	173.44	
			<i>For &gt;25 To 50, Deduct</i>	-8.67	
			<i>For &gt;50 To 100, Deduct</i>	-14.31	
			<i>For &gt;100, Deduct</i>	-22.57	
26 01 50 81-0208	EA		4' Length, 1 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 3000LMHE 80CRI 35K MIN10 GZT MVOLT).....	109.47	
			<i>For &gt;25 To 50, Deduct</i>	-5.47	
			<i>For &gt;50 To 100, Deduct</i>	-9.52	
			<i>For &gt;100, Deduct</i>	-16.17	
26 01 50 81-0209	EA		4' Length, 1 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	109.47	
			<i>For &gt;25 To 50, Deduct</i>	-5.47	
			<i>For &gt;50 To 100, Deduct</i>	-9.52	
			<i>For &gt;100, Deduct</i>	-16.17	
26 01 50 81-0210	EA		4' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 8000LMHE 80CRI 35K MIN10 GZT MVOLT).....	141.12	
			<i>For &gt;25 To 50, Deduct</i>	-7.06	
			<i>For &gt;50 To 100, Deduct</i>	-11.89	
			<i>For &gt;100, Deduct</i>	-19.34	
26 01 50 81-0211	EA		4' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	119.57	
			<i>For &gt;25 To 50, Deduct</i>	-5.98	
			<i>For &gt;50 To 100, Deduct</i>	-10.27	
			<i>For &gt;100, Deduct</i>	-17.18	
26 01 50 81-0212	EA		4' Length, 2 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 3000LMHE 80CRI 35K MIN10 GZT MVOLT).....	119.57	
			<i>For &gt;25 To 50, Deduct</i>	-5.98	
			<i>For &gt;50 To 100, Deduct</i>	-10.27	
			<i>For &gt;100, Deduct</i>	-17.18	
26 01 50 81-0213			<b>LED Retrofit For Existing Fluorescent Fixtures (Lithonia)</b> <small>(26 01 50 81-0200)</small>		
26 01 50 81-0214	EA		1'x 4', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAR2).....	243.16	
			<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	161.11	
			<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	104.73	
			<i>For &gt;25 To 50, Deduct</i>	-12.16	
			<i>For &gt;50 To 100, Deduct</i>	-19.54	
			<i>For &gt;100, Deduct</i>	-29.54	
26 01 50 81-0215	EA		1'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAR2).....	262.26	
			<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	161.11	
			<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	104.73	
			<i>For &gt;25 To 50, Deduct</i>	-13.11	
			<i>For &gt;50 To 100, Deduct</i>	-20.98	
			<i>For &gt;100, Deduct</i>	-31.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0216 EA 2'x 2', 3,300 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R 33LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	276.55	
For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	161.11	
For nLight AIR radio module without sensor (nLight RIO), Add	104.73	
For >25 To 50, Deduct	-13.83	
For >50 To 100, Deduct	-22.05	
For >100, Deduct	-32.88	
26 01 50 81-0217 EA 2'x 2', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	298.86	
For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	161.11	
For nLight AIR radio module without sensor (nLight RIO), Add	104.73	
For >25 To 50, Deduct	-14.94	
For >50 To 100, Deduct	-23.72	
For >100, Deduct	-35.11	
26 01 50 81-0218 EA 2'x 4', 4,000 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 40LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO).....	320.32	
For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	161.11	
For nLight AIR radio module without sensor (nLight RIO), Add	104.73	
For >25 To 50, Deduct	-16.02	
For >50 To 100, Deduct	-25.59	
For >100, Deduct	-38.30	
26 01 50 81-0219 EA 2'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO).....	346.23	
For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	161.11	
For nLight AIR radio module without sensor (nLight RIO), Add	104.73	
For >25 To 50, Deduct	-17.31	
For >50 To 100, Deduct	-27.54	
For >100, Deduct	-40.89	
<b>26 01 50 81-0220 LED Lighting Retrofits For Existing Fluorescent Fixtures (ELED Lights)</b> <small>(26 01 50 81-0200)</small>		
<small>Note: Includes removal of existing fluorescent lamps, installing LED strip lighting and trim. Excludes recycling or disposal of lamps. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0388 for disposal of hazardous lamps.</small>		
26 01 50 81-0221 EA 2' Dimmable, 20 Watts, 2900 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W40).....	94.62	
Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-4.73	
For >50 To 100, Deduct	-8.27	
For >100, Deduct	-14.17	
26 01 50 81-0222 EA 2' Dimmable, 20 Watts, 2900 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W50).....	94.62	
Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-4.73	
For >50 To 100, Deduct	-8.27	
For >100, Deduct	-14.17	
26 01 50 81-0223 EA 4' Dimmable, 32 Watts, 5000 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W40).....	125.33	
Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-6.27	
For >50 To 100, Deduct	-10.71	
For >100, Deduct	-17.76	
26 01 50 81-0224 EA 4' Dimmable, 32 Watts, 5000 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W50).....	125.33	
Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-6.27	
For >50 To 100, Deduct	-10.71	
For >100, Deduct	-17.76	
26 01 50 81-0225 EA 4' Dimmable, 35 Watts, 5500 Lumens, 3000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30).....	125.44	
Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-6.27	
For >50 To 100, Deduct	-10.71	
For >100, Deduct	-17.77	
26 01 50 81-0226 EA 4' Dimmable, 35 Watts, 5500 Lumens, 3000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30F).....	137.16	
Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-6.86	
For >50 To 100, Deduct	-11.59	
For >100, Deduct	-18.94	
26 01 50 81-0227 EA 4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35).....	125.44	
Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-6.27	
For >50 To 100, Deduct	-10.71	
For >100, Deduct	-17.77	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0228	EA	4'	Dimmable, 35 Watts, 5500 Lumens, 3500K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35F) ..... 137.16 Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-6.86	
			<i>For &gt;50 To 100, Deduct</i>	-11.59	
			<i>For &gt;100, Deduct</i>	-18.94	
26 01 50 81-0229	EA	4'	Dimmable, 35 Watts, 5500 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40) ..... 125.44 Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-6.27	
			<i>For &gt;50 To 100, Deduct</i>	-10.71	
			<i>For &gt;100, Deduct</i>	-17.77	
26 01 50 81-0230	EA	4'	Dimmable, 35 Watts, 5500 Lumens, 4000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40F) ..... 137.16 Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-6.86	
			<i>For &gt;50 To 100, Deduct</i>	-11.59	
			<i>For &gt;100, Deduct</i>	-18.94	
26 01 50 81-0231	EA	4'	Dimmable, 35 Watts, 5500 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50) ..... 125.44 Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-6.27	
			<i>For &gt;50 To 100, Deduct</i>	-10.71	
			<i>For &gt;100, Deduct</i>	-17.77	
26 01 50 81-0232	EA	4'	Dimmable, 35 Watts, 5500 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50F) ..... 137.16 Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-6.86	
			<i>For &gt;50 To 100, Deduct</i>	-11.59	
			<i>For &gt;100, Deduct</i>	-18.94	
26 01 50 81-0233	EA	4'	Dimmable, 46 Watts, 6800 Lumens, 5000K, Ultra High Lumen Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD46W50) ..... 137.06 Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-6.85	
			<i>For &gt;50 To 100, Deduct</i>	-11.59	
			<i>For &gt;100, Deduct</i>	-18.93	
26 01 50 81-0234	EA	4'	Dimmable, 31 Watts, 5730 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40) ..... 162.14 Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-8.11	
			<i>For &gt;50 To 100, Deduct</i>	-13.47	
			<i>For &gt;100, Deduct</i>	-21.44	
26 01 50 81-0235	EA	4'	Dimmable, 31 Watts, 5730 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F) ..... 176.79 Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-8.84	
			<i>For &gt;50 To 100, Deduct</i>	-14.57	
			<i>For &gt;100, Deduct</i>	-22.90	
26 01 50 81-0236	EA	4'	Dimmable, 31 Watts, 5730 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50) ..... 162.14 Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-8.11	
			<i>For &gt;50 To 100, Deduct</i>	-13.47	
			<i>For &gt;100, Deduct</i>	-21.44	
26 01 50 81-0237	EA	4'	Dimmable, 31 Watts, 5730 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F) ..... 176.79 Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-8.84	
			<i>For &gt;50 To 100, Deduct</i>	-14.57	
			<i>For &gt;100, Deduct</i>	-22.90	
26 01 50 81-0238	EA	20 Watts,	Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS BLD-AM20D-480800) ..... 178.95 Note: 90-minute emergency battery with DIP switch-selectable power output of 10 Watts, 15 Watts, or 20 Watts		
			<i>For &gt;25 To 50, Deduct</i>	-8.95	
			<i>For &gt;50 To 100, Deduct</i>	-13.68	
			<i>For &gt;100, Deduct</i>	-18.94	
26 01 50 81-0239	EA	20 Watts,	Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS EM-HM-20W) ..... 164.12 Note: 90-minute emergency battery with power output of 20 Watts		
			<i>For &gt;25 To 50, Deduct</i>	-8.21	
			<i>For &gt;50 To 100, Deduct</i>	-12.57	
			<i>For &gt;100, Deduct</i>	-17.46	
26 01 50 81-0240	EA	8'	Dimmable, 46 Watts, 7400 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD46W50) ..... 162.99 Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-8.15	
			<i>For &gt;50 To 100, Deduct</i>	-13.92	
			<i>For &gt;100, Deduct</i>	-23.09	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0241	EA			8' Dimmable, 49 Watts, 6680 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD49W50F) ..... 170.32 Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver For >25 To 50, Deduct ..... -8.52 For >50 To 100, Deduct ..... -14.47 For >100, Deduct ..... -23.83		
26 01 50 81-0242	EA			8' Dimmable, 64 Watts, 11850 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40) ..... 242.29 Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver For >25 To 50, Deduct ..... -12.11 For >50 To 100, Deduct ..... -19.87 For >100, Deduct ..... -31.02		
26 01 50 81-0243	EA			8' Dimmable, 64 Watts, 11850 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F) ..... 271.59 Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver For >25 To 50, Deduct ..... -13.58 For >50 To 100, Deduct ..... -22.07 For >100, Deduct ..... -33.95		
26 01 50 81-0244	EA			8' Dimmable, 64 Watts, 11850 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50) ..... 242.29 Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver For >25 To 50, Deduct ..... -12.11 For >50 To 100, Deduct ..... -19.87 For >100, Deduct ..... -31.02		
26 01 50 81-0245	EA			8' Dimmable, 64 Watts, 11850 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F) ..... 271.59 Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver For >25 To 50, Deduct ..... -13.58 For >50 To 100, Deduct ..... -22.07 For >100, Deduct ..... -33.95		

## 26 05 Common Work Results for Electrical <sup>(26)</sup>

### 26 05 13 Medium-Voltage Cables <sup>(26 05)</sup>

#### 26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables <sup>(26 05 13)</sup>

##### 26 05 13 16-0001 Wire And Cable <sup>(26 05 13 16)</sup>

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

##### 26 05 13 16-0002 5 KV Cable <sup>(26 05 13 16-0001)</sup>

##### 26 05 13 16-0003 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct <sup>(26 05 13 16-0002)</sup>

26 05 13 16-0004	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,696.72	863.55
26 05 13 16-0005	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,436.36	942.92
26 05 13 16-0006	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,340.59	1,065.35
26 05 13 16-0007	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,983.81	1,312.55
26 05 13 16-0008	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,967.29	1,478.05
26 05 13 16-0009	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,911.73	1,640.59
26 05 13 16-0010	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,159.19	1,843.38
26 05 13 16-0011	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	13,352.32	2,050.84
26 05 13 16-0012	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	15,520.54	2,448.65
26 05 13 16-0013	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	19,727.45	2,878.33
26 05 13 16-0014	MLF	750 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	30,081.23	3,392.43
26 05 13 16-0015	MLF	1,000 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	40,440.39	3,906.28

##### 26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial <sup>(26 05 13 16-0002)</sup>

Note: Excludes excavation.

26 05 13 16-0017	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	3,588.77	
26 05 13 16-0018	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	4,129.92	
26 05 13 16-0019	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	4,728.03	
26 05 13 16-0020	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	5,956.16	
26 05 13 16-0021	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	6,525.78	
26 05 13 16-0022	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	8,266.18	
26 05 13 16-0023	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	9,006.69	
26 05 13 16-0024	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,888.71	
26 05 13 16-0025	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,170.11	
26 05 13 16-0026	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	15,399.92	

##### 26 05 13 16-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) <sup>(26 05 13 16-0002)</sup>

26 05 13 16-0028	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) .....	2,972.92	534.82
26 05 13 16-0029	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) .....	3,617.93	573.44



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 13 16-0030	MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,622.89	725.16
26 05 13 16-0031	MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,064.57	880.32
26 05 13 16-0032	MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,044.98	1,033.43
26 05 13 16-0033	MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,981.27	1,181.83
26 05 13 16-0034	MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,229.97	1,371.25
26 05 13 16-0035	MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,854.16	1,725.13
26 05 13 16-0036	MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	15,255.63	2,182.82
26 05 13 16-0037	MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	19,890.30	2,742.50

**26 05 13 16-0038 5 KV Non-Shielded Single Copper Conductor** (26 05 13 16-0002)

26 05 13 16-0039	MLF 1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,146.32	1,720.95
26 05 13 16-0040	MLF 2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,553.61	1,745.68
26 05 13 16-0041	MLF 3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,960.90	1,770.41
26 05 13 16-0042	MLF 4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,442.92	1,809.54
26 05 13 16-0043	MLF 350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	13,894.91	1,878.57
26 05 13 16-0044	MLF 500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	20,297.69	1,968.77
26 05 13 16-0045	MLF 750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	31,778.69	2,460.96
26 05 13 16-0046	MLF 1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	36,392.12	3,281.32

**26 05 13 16-0047 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct** (26 05 13 16-0002)

26 05 13 16-0048	MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,973.55	863.55
26 05 13 16-0049	MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,810.60	942.92
26 05 13 16-0050	MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,822.49	1,065.35
26 05 13 16-0051	MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,736.22	1,188.89
26 05 13 16-0052	MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,650.27	1,312.55
26 05 13 16-0053	MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,736.28	1,478.05
26 05 13 16-0054	MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,957.55	1,640.59
26 05 13 16-0055	MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,338.30	1,843.38
26 05 13 16-0056	MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	14,832.88	2,050.84
26 05 13 16-0057	MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	17,212.32	2,448.65
26 05 13 16-0058	MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	21,983.15	2,878.33
26 05 13 16-0059	MLF 750 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	33,969.81	3,392.43
26 05 13 16-0060	MLF 1,000 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	45,961.83	3,906.28

**26 05 13 16-0061 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial** (26 05 13 16-0002)

Note: Excludes excavation.

26 05 13 16-0062	MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,865.61	
26 05 13 16-0063	MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,504.16	
26 05 13 16-0064	MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,209.93	
26 05 13 16-0065	MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,916.74	
26 05 13 16-0066	MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,622.61	
26 05 13 16-0067	MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,294.77	
26 05 13 16-0068	MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,312.00	
26 05 13 16-0069	MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,185.80	
26 05 13 16-0070	MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,369.27	
26 05 13 16-0071	MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	13,861.88	
26 05 13 16-0072	MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	17,655.62	

**26 05 13 16-0073 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial)** (26 05 13 16-0002)

26 05 13 16-0074	MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,249.75	534.82
26 05 13 16-0075	MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,992.17	573.44
26 05 13 16-0076	MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	5,104.79	725.16
26 05 13 16-0077	MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	5,916.45	802.17
26 05 13 16-0078	MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,731.03	880.32
26 05 13 16-0079	MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,813.97	1,033.43
26 05 13 16-0080	MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,027.09	1,181.83
26 05 13 16-0081	MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	11,409.08	1,371.25
26 05 13 16-0082	MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	14,334.72	1,725.13
26 05 13 16-0083	MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	16,947.40	2,182.82
26 05 13 16-0084	MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	22,146.00	2,742.50

**26 05 13 16-0085 15 KV Cable** (26 05 13 16-0001)

**26 05 13 16-0086 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable** (26 05 13 16-0085)

**26 05 13 16-0087 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct** (26 05 13 16-0086)

26 05 13 16-0088	MLF #4 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,097.88	1,720.95
26 05 13 16-0089	MLF #2 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,870.00	1,720.95
26 05 13 16-0090	MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,164.51	1,720.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0091 MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,123.93	1,720.95
26 05 13 16-0092 MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,034.57	1,720.95
26 05 13 16-0093 MLF 3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	12,751.57	1,796.38
26 05 13 16-0094 MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	13,109.31	1,796.38
26 05 13 16-0095 MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	15,266.36	1,878.57
26 05 13 16-0096 MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	17,474.15	1,922.63
26 05 13 16-0097 MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	21,707.98	2,165.64
<b>26 05 13 16-0098 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (26 05 13 16-0086)</b>		
Note: Excludes excavation.		
26 05 13 16-0099 MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,313.30	
26 05 13 16-0100 MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,272.71	
26 05 13 16-0101 MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,183.34	
26 05 13 16-0102 MLF 3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,924.14	
26 05 13 16-0103 MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,281.87	
26 05 13 16-0104 MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	13,540.34	
26 05 13 16-0105 MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	15,751.48	
26 05 13 16-0106 MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	19,739.22	
<b>26 05 13 16-0107 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) (26 05 13 16-0086)</b>		
26 05 13 16-0108 MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,912.05	764.01
26 05 13 16-0109 MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,183.59	880.32
26 05 13 16-0110 MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,505.01	1,033.43
26 05 13 16-0111 MLF 3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	11,431.90	1,181.83
26 05 13 16-0112 MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,297.82	1,371.25
26 05 13 16-0113 MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	14,853.27	1,596.32
26 05 13 16-0114 MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	17,658.66	1,860.12
26 05 13 16-0115 MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	22,091.59	2,160.70
<b>26 05 13 16-0116 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 16-0085)</b>		
<b>26 05 13 16-0117 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct (26 05 13 16-0116)</b>		
26 05 13 16-0118 MLF #4 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,781.07	1,720.95
26 05 13 16-0119 MLF #2 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,692.17	1,720.95
26 05 13 16-0120 MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,039.70	1,720.95
26 05 13 16-0121 MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,171.82	1,720.95
26 05 13 16-0122 MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	12,246.36	1,720.95
26 05 13 16-0123 MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	14,238.50	1,796.38
26 05 13 16-0124 MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	14,660.65	1,796.38
26 05 13 16-0125 MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	17,168.94	1,878.57
26 05 13 16-0126 MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	19,754.32	1,922.63
26 05 13 16-0127 MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	24,640.88	2,165.64
<b>26 05 13 16-0128 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (26 05 13 16-0116)</b>		
Note: Excludes excavation.		
26 05 13 16-0129 MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,188.48	
26 05 13 16-0130 MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,320.59	
26 05 13 16-0131 MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,395.14	
26 05 13 16-0132 MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,411.07	
26 05 13 16-0133 MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,833.20	
26 05 13 16-0134 MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	15,437.38	
26 05 13 16-0135 MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	18,023.94	
26 05 13 16-0136 MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	22,672.12	
<b>26 05 13 16-0137 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) (26 05 13 16-0116)</b>		
26 05 13 16-0138 MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,787.23	764.01
26 05 13 16-0139 MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,231.47	880.32
26 05 13 16-0140 MLF 2/0 AWG, EPEPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,716.81	1,033.43
26 05 13 16-0141 MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,918.83	1,181.83
26 05 13 16-0142 MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	13,849.15	1,371.25
26 05 13 16-0143 MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	16,755.85	1,596.32
26 05 13 16-0144 MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	19,938.83	1,860.12
26 05 13 16-0145 MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	25,024.49	2,160.70
<b>26 05 13 16-0146 15 KV Non-Shielded Single Copper Conductor (26 05 13 16-0085)</b>		
26 05 13 16-0147 MLF 1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,218.43	1,726.98

**26 Electrical****26 05 Common Work Results for Electrical****26 05 13 Medium-Voltage Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0148	MLF		2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,346.36	1,768.26
26 05 13 16-0149	MLF		3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	16,228.95	1,809.54
26 05 13 16-0150	MLF		350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	22,754.73	1,930.13
<b>26 05 13 16-0151</b>			<b>Shielded, Armored Copper, 15 KV, 3 Conductor Cable</b> (26 05 13 16-0085) Note: Laid in cable tray or hung in vertical cable shaft.		
<b>26 05 13 16-0152</b>			<b>Galvanized Steel Interlocked Armor Cable</b> (26 05 13 16-0151)		
26 05 13 16-0153	LF		3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	54.08	13.17
26 05 13 16-0154	LF		3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	65.95	14.03
<b>26 05 13 16-0155</b>			<b>Aluminum Interlocked Armor Cable</b> (26 05 13 16-0151)		
26 05 13 16-0156	LF		3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	54.08	13.17
26 05 13 16-0157	LF		3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically .....	65.95	14.03
<b>26 05 13 16-0158</b>			<b>Type URD, 15 KV Primary Concentric UD Cable</b> (26 05 13 16-0085) Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 16-0159	MLF		#4 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	3,999.65	863.55
26 05 13 16-0160	MLF		#2 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	4,845.87	942.92
26 05 13 16-0161	MLF		#1 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	5,867.91	1,065.35
26 05 13 16-0162	MLF		1/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	7,704.36	1,308.98
26 05 13 16-0163	MLF		2/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	8,797.70	1,473.62
26 05 13 16-0164	MLF		3/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	11,056.13	1,640.59
26 05 13 16-0165	MLF		4/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	12,432.24	1,836.48
<b>26 05 13 16-0166</b>			<b>15 KV, URD Copper Cable, Direct Burial</b> (26 05 13 16-0085)		
26 05 13 16-0167	MLF		3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial .....	21,946.50	
<b>26 05 13 16-0168</b>			<b>Wire Connections</b> (26 05 13 16-0001)		
<b>26 05 13 16-0169</b>			<b>Medium Voltage Up To 5 KV</b> (26 05 13 16-0168)		
<b>26 05 13 16-0170</b>			<b>Shielded One Conductor Cable Splice</b> (26 05 13 16-0169)		
26 05 13 16-0171	EA		#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	338.34	104.31
26 05 13 16-0172	EA		#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	465.81	104.31
26 05 13 16-0173	EA		1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	465.81	104.31
26 05 13 16-0174	EA		2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	496.85	125.17
26 05 13 16-0175	EA		3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	496.85	125.17
26 05 13 16-0176	EA		4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	496.85	125.17
26 05 13 16-0177	EA		250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	538.24	146.04
26 05 13 16-0178	EA		350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	538.24	146.04
26 05 13 16-0179	EA		500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	538.24	146.04
<b>26 05 13 16-0180</b>			<b>Cable Termination Without Stress Cone</b> (26 05 13 16-0169)		
26 05 13 16-0181	EA		#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV .....	518.92	125.17
26 05 13 16-0182	EA		250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV.....	598.31	146.04
<b>26 05 13 16-0183</b>			<b>Cable Termination With Stress Cone</b> (26 05 13 16-0169)		
26 05 13 16-0184	EA		#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV .....	1,592.18	250.34
26 05 13 16-0185	EA		250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV.....	2,186.35	344.22
<b>26 05 13 16-0186</b>			<b>Connect To Pothead, Pothead Included</b> (26 05 13 16-0169)		
26 05 13 16-0187	EA		#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV.....	1,669.17	250.34
26 05 13 16-0188	EA		250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV .....	2,147.47	286.86
<b>26 05 13 16-0189</b>			<b>Two Conductor Pothead</b> (26 05 13 16-0169) Note: Includes 5 KV pothead.		
26 05 13 16-0190	EA		#6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	1,159.20	344.22
26 05 13 16-0191	EA		250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	1,564.95	438.11
26 05 13 16-0192	EA		400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	2,452.43	496.73
26 05 13 16-0193	EA		750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	4,077.00	579.55
26 05 13 16-0194	EA		1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	7,574.48	869.22
<b>26 05 13 16-0195</b>			<b>Three Conductor Pothead</b> (26 05 13 16-0169) Note: Includes 5 KV pothead.		
26 05 13 16-0196	EA		#6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	5,056.81	500.70
26 05 13 16-0197	EA		250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	5,523.37	584.14
<b>26 05 13 16-0198</b>			<b>Copper Cable Splice, Crimp Compression Connection</b> (26 05 13 16-0169) Note: For bare wire.		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0199 EA #6 AWG Crimp Compression Connection For Bare Copper Wire.....	72.92	
26 05 13 16-0200 EA #4 AWG Crimp Compression Connection For Bare Copper Wire.....	80.74	
26 05 13 16-0201 EA #3 AWG Crimp Compression Connection For Bare Copper Wire.....	94.12	
26 05 13 16-0202 EA #2 AWG Crimp Compression Connection For Bare Copper Wire.....	106.43	
26 05 13 16-0203 EA #1 AWG Crimp Compression Connection For Bare Copper Wire.....	120.25	
26 05 13 16-0204 EA 1/0 AWG Crimp Compression Connection For Bare Copper Wire.....	133.48	
26 05 13 16-0205 EA 2/0 AWG Crimp Compression Connection For Bare Copper Wire.....	146.46	
26 05 13 16-0206 EA 3/0 AWG Crimp Compression Connection For Bare Copper Wire.....	160.45	
26 05 13 16-0207 EA 4/0 AWG Crimp Compression Connection For Bare Copper Wire.....	173.84	
26 05 13 16-0208 EA 250 MCM Crimp Compression Connection For Bare Copper Wire.....	187.67	
26 05 13 16-0209 EA 300 MCM Crimp Compression Connection For Bare Copper Wire.....	202.12	
26 05 13 16-0210 EA 350 MCM Crimp Compression Connection For Bare Copper Wire.....	215.15	
26 05 13 16-0211 EA 400 MCM Crimp Compression Connection For Bare Copper Wire.....	243.66	
26 05 13 16-0212 EA 500 MCM Crimp Compression Connection For Bare Copper Wire.....	273.59	
<b>26 05 13 16-0213 Aluminum Cable Splice, Crimp Compression Connection (26 05 13 16-0169)</b>		
Note: For bare wire.		
26 05 13 16-0214 EA #6 AWG Crimp Compression Connection For Bare Aluminum Wire .....	75.67	
26 05 13 16-0215 EA #4 AWG Crimp Compression Connection For Bare Aluminum Wire .....	82.26	
26 05 13 16-0216 EA #2 AWG Crimp Compression Connection For Bare Aluminum Wire .....	111.44	
26 05 13 16-0217 EA #1 AWG Crimp Compression Connection For Bare Aluminum Wire .....	132.99	
26 05 13 16-0218 EA 1/0 AWG Crimp Compression Connection For Bare Aluminum Wire .....	145.50	
26 05 13 16-0219 EA 2/0 AWG Crimp Compression Connection For Bare Aluminum Wire .....	157.94	
26 05 13 16-0220 EA 3/0 AWG Crimp Compression Connection For Bare Aluminum Wire .....	173.79	
26 05 13 16-0221 EA 4/0 AWG Crimp Compression Connection For Bare Aluminum Wire .....	187.95	
26 05 13 16-0222 EA 250 MCM Crimp Compression Connection For Bare Aluminum Wire .....	201.44	
26 05 13 16-0223 EA 300 MCM Crimp Compression Connection For Bare Aluminum Wire .....	215.58	
26 05 13 16-0224 EA 350 MCM Crimp Compression Connection For Bare Aluminum Wire .....	229.27	
26 05 13 16-0225 EA 400 MCM Crimp Compression Connection For Bare Aluminum Wire .....	263.90	
26 05 13 16-0226 EA 500 MCM Crimp Compression Connection For Bare Aluminum Wire .....	298.84	
<b>26 05 13 16-0227 15 KV (26 05 13 16-0168)</b>		
<b>26 05 13 16-0228 Single Conductor Pothead On Racks (26 05 13 16-0227)</b>		
Note: Includes pothead.		
26 05 13 16-0229 EA #2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks.....	1,404.11	438.11
26 05 13 16-0230 EA 250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks.....	1,795.51	542.41
<b>26 05 13 16-0231 Two Conductor Pothead On Rack (26 05 13 16-0227)</b>		
Note: Includes pothead.		
26 05 13 16-0232 EA #2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks .....	2,058.67	667.59
26 05 13 16-0233 EA 250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks .....	2,480.56	792.77
<b>26 05 13 16-0234 Three Conductor Pothead On Rack (26 05 13 16-0227)</b>		
Note: Includes pothead.		
26 05 13 16-0235 EA #2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks.....	2,623.02	865.78
26 05 13 16-0236 EA 250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks.....	3,266.37	1,084.84
<b>26 05 13 16-0237 Stress Relief Cone On Rack (26 05 13 16-0227)</b>		
26 05 13 16-0238 EA #2 To 4/0 AWG Stress Relief Cone, On Rack .....	1,311.09	438.11
26 05 13 16-0239 EA 250 To 500 MCM Stress Relief Cone, On Rack .....	1,690.93	542.41
<b>26 05 13 16-0240 Grounded, Shielded Cable Splice (26 05 13 16-0227)</b>		
26 05 13 16-0241 EA #2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV .....	895.22	323.36
26 05 13 16-0242 EA 250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV.....	1,145.97	417.24
26 05 13 16-0243 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way .....	5,809.46	1,147.43
26 05 13 16-0244 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way .....	7,537.90	1,251.74
<b>26 05 13 16-0245 Cable Termination (26 05 13 16-0227)</b>		
26 05 13 16-0246 EA #2 To 3/0 AWG Cable Termination 15 KV .....	605.18	182.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
	109.53	
26 05 13 16-0247 EA 4/0 To 250 MCM Cable Termination 15 KV .....	763.16	234.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
	140.82	
26 05 13 16-0248 EA 350 To 500 MCM Cable Termination 15 KV .....	947.56	286.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
	172.11	
26 05 13 16-0249 EA #2 To 3/0 AWG Cable Elbow Termination 15 KV .....	389.74	104.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
	62.59	
<b>26 05 13 16-0250 Stress Cones, 5-15 KV, 4 Skirted (26 05 13 16-0227)</b>		
26 05 13 16-0251 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	806.93	135.61
26 05 13 16-0252 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	920.80	149.87
26 05 13 16-0253 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted.....	1,098.49	164.02

**26 Electrical****26 05 Common Work Results for Electrical****26 05 13 Medium-Voltage Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0254	EA		400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted.....	1,420.61	188.97
<b>26 05 13 16-0255</b>			<b>Stress Cones, 5-15 KV, 6 Skirted</b> <small>(26 05 13 16-0227)</small>		
26 05 13 16-0256	EA		#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	1,613.88	271.67
26 05 13 16-0257	EA		2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	1,841.84	299.75
26 05 13 16-0258	EA		4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted.....	2,184.80	321.95
26 05 13 16-0259	EA		400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted.....	2,841.22	377.94
<b>26 05 13 16-0260</b>			<b>35 KV</b> <small>(26 05 13 16-0168)</small>		
<b>26 05 13 16-0261</b>			<b>35 KV One Conductor Splice</b> <small>(26 05 13 16-0260)</small>		
26 05 13 16-0262	EA		#1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing.....	2,239.73	
<b>26 05 13 16-0263</b>			<b>Cable Termination</b> <small>(26 05 13 16-0260)</small>		
26 05 13 16-0264	EA		#2 To 3/0 AWG Cable Termination, 35 KV.....	540.25	125.28
26 05 13 16-0265	EA		3/0 AWG To 250 MCM, 35 KV, Cable Termination.....	732.44	189.02
26 05 13 16-0266	EA		350 To 500 MCM Cable Termination 35 KV.....	855.48	202.16
26 05 13 16-0267	EA		#2 To 3/0 AWG Cable Elbow Termination 35 KV.....	427.19	104.31
<b>26 05 13 16-0268</b>			<b>70 KV</b> <small>(26 05 13 16-0168)</small>		
<b>26 05 13 16-0269</b>			<b>Cable Splice</b> <small>(26 05 13 16-0268)</small>		
26 05 13 16-0270	EA		350 MCM, 70 KV, Cable Splicing.....	12,923.05	
26 05 13 16-0271	EA		#2 To 4/0, 70 KV, Cable Splicing.....	2,333.83	

**26 05 19 Low-Voltage Electrical Power Conductors and Cables** (26 05)**26 05 19 13 Undercarpet Electrical Power Cables** (26 05 19)**26 05 19 13-0001 Under Carpet Power System** (26 05 19 13)

Note: Includes laying out, floor prep, taping, testing, drill floor, folds.

26 05 19 13-0002	LF		3-Conductor, #12 Flat Cable With Attached Bottom Shield.....	8.47	0.48
26 05 19 13-0003	LF		Steel, Top Shield.....	12.22	0.48
26 05 19 13-0004	EA		3-Conductor, Splice.....	40.47	8.10
26 05 19 13-0005	EA		Splice Top Shield For 3 Conductor.....	9.62	3.81
26 05 19 13-0006	EA		3-Conductor, Tap.....	51.26	9.53
26 05 19 13-0007	EA		Insulating Patch, Splice Tap And End.....	89.42	8.10
26 05 19 13-0008	EA		3-Conductor, Transition Block Assembly.....	59.06	4.76
26 05 19 13-0009	EA		Single, Direct Connected, Receptacle With Box.....	176.92	15.24
26 05 19 13-0010	EA		Dual, Direct Connected, Receptacle With Box.....	297.08	23.82
26 05 19 13-0011	EA		Floor Mounted Box With Cover.....	302.61	19.06
26 05 19 13-0012	LF		5-Conductor, #12 Cable With Attached Bottom Shield.....	13.87	0.48
26 05 19 13-0013	LF		Steel, Top Shield For 5-Conductor Cable.....	13.76	0.48
26 05 19 13-0014	EA		5-Conductor, Splice.....	41.16	8.10
26 05 19 13-0015	EA		5-Conductor, Transition Block Assembly.....	80.31	4.76
26 05 19 13-0016	EA		Box, Wall, Flush With Cover.....	121.09	19.06
26 05 19 13-0017	EA		Telephone, Transition Fitting Wall Box.....	75.37	15.73
26 05 19 13-0018	EA		RJ-45, Telephone Fitting With Duplex Jack And Cover.....	102.83	18.10
26 05 19 13-0019	EA		Miniature Telephone With Duplex RJ-45.....	45.16	7.15
26 05 19 13-0020	LF		4-Pair, Level 5, Under Carpet Telephone Wire.....	2.53	0.48
26 05 19 13-0021	EA		BNC, Coax Plug, Connector.....	30.65	9.53
26 05 19 13-0022	EA		TNC, Coax Plug, Connector.....	30.65	9.53
26 05 19 13-0023	CLF		Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm.....	164.63	47.64

**26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables** (26 05 19)**26 05 19 16-0001 Cable Installation Methods** (26 05 19 16)**26 05 19 16-0002 Pull Cord** (26 05 19 16-0001)

Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.

26 05 19 16-0003	LF		Pull String Installed To Remain In Place, In Existing Conduit.....	0.33	
26 05 19 16-0004	LF		Pull String Installed To Remain In Place, In New Conduits.....	0.18	
26 05 19 16-0005	LF		1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit.....	0.59	
26 05 19 16-0006	LF		1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits.....	0.38	

**26 05 19 16-0007 Bore Conduit Into Dirt Or Sand** (26 05 19 16-0001)

Note: For installation under roads, driveways or other structures up to 20'.

26 05 19 16-0008	LF		Bore 1" To 4" Conduit Into Dirt Or Sand.....	3.05	
26 05 19 16-0009	LF		Bore 5" To 8" Conduit Into Dirt Or Sand.....	3.89	
26 05 19 16-0010	EA		Boring Minimum Set-Up Charge.....	427.91	

Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0011		<b>Wire and Cable</b> <small>(26 05 19 16)</small> Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0057 for various conduit types.		
26 05 19 16-0012		<b>600 Volt Wire</b> <small>(26 05 19 16-0011)</small>		
26 05 19 16-0013		<b>Single Solid Conductor, Copper</b> <small>(26 05 19 16-0012)</small>		
26 05 19 16-0014	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	613.28	231.27
26 05 19 16-0015	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	777.23	272.05
26 05 19 16-0016	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	977.32	332.66
26 05 19 16-0017	MLF	#14 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	823.52	231.27
26 05 19 16-0018	MLF	#12 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,007.76	272.05
26 05 19 16-0019	MLF	#10 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,228.60	332.66
26 05 19 16-0020		<b>Power Cable, Stranded Conductor, Copper</b> <small>(26 05 19 16-0012)</small>		
26 05 19 16-0021		<b>Power Cable, Stranded, Single Conductor, XHHW-2</b> <small>(26 05 19 16-0020)</small>		
26 05 19 16-0022	MLF	#16 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	656.43	190.58
26 05 19 16-0023	MLF	#14 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	770.73	228.69
26 05 19 16-0024	MLF	#12 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	965.37	266.82
26 05 19 16-0025	MLF	#10 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,214.23	304.93
26 05 19 16-0026	MLF	#8 AWG, XLP (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,646.98	381.16
26 05 19 16-0027	MLF	#6 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	2,291.05	457.40
26 05 19 16-0028	MLF	#4 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	3,198.99	571.75
26 05 19 16-0029	MLF	#3 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	3,817.65	647.97
26 05 19 16-0030	MLF	#2 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	4,569.80	724.21
26 05 19 16-0031	MLF	#1 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	5,776.86	800.44
26 05 19 16-0032	MLF	1/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	6,983.28	914.79
26 05 19 16-0033	MLF	2/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	8,441.98	1,029.14
26 05 19 16-0034	MLF	3/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	10,206.23	1,143.48
26 05 19 16-0035	MLF	4/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	12,359.77	1,257.83
26 05 19 16-0036	MLF	250 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	13,053.40	1,372.19
26 05 19 16-0037	MLF	300 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	15,639.48	1,486.54
26 05 19 16-0038	MLF	350 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	16,666.42	1,600.88
26 05 19 16-0039	MLF	400 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	18,729.23	1,715.23
26 05 19 16-0040	MLF	500 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	21,867.39	1,829.58
26 05 19 16-0041	MLF	600 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	25,327.16	1,982.05
26 05 19 16-0042	MLF	750 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	39,421.07	2,210.74
26 05 19 16-0043	MLF	1,000 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	56,208.50	2,591.91
26 05 19 16-0044		<b>Power Cable, Stranded, Multi Conductor, XHHW-2</b> <small>(26 05 19 16-0020)</small>		
26 05 19 16-0045	MLF	2 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	1,541.45	457.30
26 05 19 16-0046	MLF	3 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	1,931.02	533.73
26 05 19 16-0047	MLF	4 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	2,415.98	647.97
26 05 19 16-0048	MLF	6 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	2,956.02	704.86
26 05 19 16-0049	MLF	7 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	3,250.86	743.17
26 05 19 16-0050	MLF	9 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	3,839.07	819.31
26 05 19 16-0051	MLF	10 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	2,333.86	853.99
26 05 19 16-0052	MLF	12 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	4,722.47	933.85
26 05 19 16-0053	MLF	14 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	5,263.75	991.22
26 05 19 16-0054	MLF	24 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	7,920.47	1,257.93
26 05 19 16-0055	MLF	37 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	12,031.74	1,867.70
26 05 19 16-0056	MLF	2 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	1,930.96	533.73
26 05 19 16-0057	MLF	3 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	2,515.03	647.97
26 05 19 16-0058	MLF	4 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	3,099.13	762.33
26 05 19 16-0059	MLF	2 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	2,618.29	685.80
26 05 19 16-0060	MLF	3 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	3,450.29	837.79
26 05 19 16-0061	MLF	4 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	4,476.19	1,067.45
26 05 19 16-0062	MLF	6 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	6,143.03	1,372.66
26 05 19 16-0063	MLF	9 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	8,450.64	1,753.44
26 05 19 16-0064	MLF	2 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	3,341.62	781.39
26 05 19 16-0065	MLF	3 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	4,369.21	914.79
26 05 19 16-0066	MLF	4 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	5,682.68	1,162.55
26 05 19 16-0067	MLF	2 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	4,486.91	876.68
26 05 19 16-0068	MLF	3 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	6,158.48	1,086.32
26 05 19 16-0069	MLF	4 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	7,939.72	1,339.78
26 05 19 16-0070	MLF	2 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	6,198.27	1,063.64
26 05 19 16-0071	MLF	3 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	8,350.36	1,216.58
26 05 19 16-0072	MLF	4 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	10,873.86	1,518.17
26 05 19 16-0073	MLF	2 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	8,757.46	1,295.57
26 05 19 16-0074	MLF	3 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	11,899.81	1,448.80
26 05 19 16-0075	MLF	4 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	15,801.63	1,905.81
26 05 19 16-0076	MLF	3 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	15,900.43	1,829.30
26 05 19 16-0077	MLF	4 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	20,818.00	2,286.03
26 05 19 16-0078	MLF	3 Conductors, 1/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	19,044.90	1,982.43
26 05 19 16-0079	MLF	3 Conductors, 2/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	23,322.40	2,286.03
26 05 19 16-0080	MLF	3 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	28,709.98	2,666.99
26 05 19 16-0081	MLF	4 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit .....	37,962.46	3,429.04

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 19 Low-Voltage Electrical Power Conductors and Cables**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0082	MLF		3 Conductors, 4/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	35,275.31	3,051.88
26 05 19 16-0083	MLF		3 Conductors, 250 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	37,441.26	3,429.04
26 05 19 16-0084	MLF		3 Conductors, 350 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	47,521.68	3,811.63
26 05 19 16-0085	MLF		3 Conductors, 500 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	62,353.26	4,189.17

**26 05 19 16-0086 Undergound Feeder And Branch Circuit Suitable, Single Stranded Copper**

(26 05 19 16-0012)

Note: Direct bury.

26 05 19 16-0087	MLF		#14 AWG, Type USE, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,089.71	
26 05 19 16-0088	MLF		#12 AWG, Type USE, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,287.92	
26 05 19 16-0089	MLF		#10 AWG, Type USE, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,683.20	
26 05 19 16-0090	MLF		#8 AWG, Type USE, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,261.17	
26 05 19 16-0091	MLF		#6 AWG, Type USE, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,341.70	
26 05 19 16-0092	MLF		#4 AWG, Type USE, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,473.35	
26 05 19 16-0093	MLF		#2 AWG, Type USE, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,702.45	
26 05 19 16-0094	MLF		#1 AWG, Type USE, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,567.97	
26 05 19 16-0095	MLF		1/0 AWG, Type USE, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,663.10	
26 05 19 16-0096	MLF		2/0 AWG, Type USE, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,101.82	
26 05 19 16-0097	MLF		3/0 AWG, Type USE, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	16,015.98	
26 05 19 16-0098	MLF		4/0 AWG, Type USE, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	18,170.05	
26 05 19 16-0099	MLF		250 MCM, Type USE, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	19,653.63	
26 05 19 16-0100	MLF		300 MCM, Type USE, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	23,886.45	
26 05 19 16-0101	MLF		350 MCM, Type USE, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	28,845.75	
26 05 19 16-0102	MLF		400 MCM, Type USE, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	30,351.47	
26 05 19 16-0103	MLF		500 MCM, Type USE, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	36,409.25	
26 05 19 16-0104	MLF		600 MCM, Type USE, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	43,322.46	
26 05 19 16-0105	MLF		750 MCM, Type USE, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	71,138.98	
26 05 19 16-0106	MLF		#14 AWG, XLP (XHHW), 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	762.67	
26 05 19 16-0107	MLF		#12 AWG, XLP (XHHW), 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	922.59	
26 05 19 16-0108	MLF		#10 AWG, XLP (XHHW), 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,120.84	
26 05 19 16-0109	MLF		#8 AWG, XLP (XHHW), 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,366.87	
26 05 19 16-0110	MLF		#6 AWG, XLP (XHHW), 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,794.65	
26 05 19 16-0111	MLF		#4 AWG, XLP (XHHW), 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,427.19	
26 05 19 16-0112	MLF		#2 AWG, XLP (XHHW), 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,353.46	
26 05 19 16-0113	MLF		#1 AWG, XLP (XHHW), 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,030.68	
26 05 19 16-0114	MLF		1/0 AWG, XLP (XHHW), 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,552.82	
26 05 19 16-0115	MLF		2/0 AWG, XLP (XHHW), 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,133.40	
26 05 19 16-0116	MLF		3/0 AWG, XLP (XHHW), 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,023.81	
26 05 19 16-0117	MLF		4/0 AWG, XLP (XHHW), 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,126.95	
26 05 19 16-0118	MLF		250 MCM, XLP (XHHW), 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,144.80	
26 05 19 16-0119	MLF		300 MCM, XLP (XHHW), 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,225.44	
26 05 19 16-0120	MLF		350 MCM, XLP (XHHW), 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,409.22	
26 05 19 16-0121	MLF		400 MCM, XLP (XHHW), 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,637.92	
26 05 19 16-0122	MLF		500 MCM, XLP (XHHW), 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,742.10	
26 05 19 16-0123	MLF		750 MCM, XLP (XHHW), 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	23,927.97	
26 05 19 16-0124	MLF		#14 AWG, Type THHN-THWN, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	637.76	
26 05 19 16-0125	MLF		#12 AWG, Type THHN-THWN, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	802.52	
26 05 19 16-0126	MLF		#10 AWG, Type THHN-THWN, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,013.71	
26 05 19 16-0127	MLF		#8 AWG, Type THHN-THWN, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,461.06	
26 05 19 16-0128	MLF		#6 AWG, Type THHN-THWN, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,045.92	
26 05 19 16-0129	MLF		#4 AWG, Type THHN-THWN, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,776.46	
26 05 19 16-0130	MLF		#2 AWG, Type THHN-THWN, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,039.81	
26 05 19 16-0131	MLF		#1 AWG, Type THHN-THWN, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,870.77	
26 05 19 16-0132	MLF		1/0 AWG, Type THHN-THWN, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,671.30	
26 05 19 16-0133	MLF		2/0 AWG, Type THHN-THWN, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,482.12	
26 05 19 16-0134	MLF		3/0 AWG, Type THHN-THWN, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,806.78	
26 05 19 16-0135	MLF		4/0 AWG, Type THHN-THWN, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,395.31	
26 05 19 16-0136	MLF		250 MCM, Type THHN-THWN, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,125.39	
26 05 19 16-0137	MLF		300 MCM, Type THHN-THWN, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,933.90	
26 05 19 16-0138	MLF		350 MCM, Type THHN-THWN, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	14,888.36	
26 05 19 16-0139	MLF		400 MCM, Type THHN-THWN, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	16,769.18	
26 05 19 16-0140	MLF		500 MCM, Type THHN-THWN, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	20,131.87	
26 05 19 16-0141	MLF		600 MCM, Type THHN-THWN, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	24,384.64	
26 05 19 16-0142	MLF		750 MCM, Type THHN-THWN, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	39,632.96	
26 05 19 16-0143	MLF		#2 AWG, Type EPR, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,431.73	
26 05 19 16-0144	MLF		1/0 AWG, Type EPR, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,388.92	
26 05 19 16-0145	MLF		2/0 AWG, Type EPR, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,407.63	
26 05 19 16-0146	MLF		3/0 AWG, Type EPR, 600 Volt, Undergound Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,852.96	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0147	MLF 4/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,189.38		
26 05 19 16-0148	MLF 250 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	14,193.11		
26 05 19 16-0149	MLF 350 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	20,805.61		
26 05 19 16-0150	MLF 400 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	22,649.69		
26 05 19 16-0151	MLF 500 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	25,988.83		
<b>26 05 19 16-0152</b>	<b>600 Volt, Armored Cable, Copper Conductors</b> <small>(26 05 19 16-0012)</small>			
<b>26 05 19 16-0153</b>	<b>ACTHH, Solid</b> <small>(26 05 19 16-0152)</small>			
26 05 19 16-0154	MLF 1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable.....	2,432.47	625.87	
26 05 19 16-0155	MLF 1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable.....	2,814.65	709.31	
26 05 19 16-0156	MLF 1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable.....	3,265.26	751.04	
26 05 19 16-0157	MLF 2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	3,404.65	1,043.11	
26 05 19 16-0158	MLF 2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	3,610.70	1,168.08	
26 05 19 16-0159	MLF 2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	4,707.12	1,294.18	
26 05 19 16-0160	MLF 2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	6,352.55	1,419.16	
26 05 19 16-0161	MLF 3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	4,185.46	1,168.08	
26 05 19 16-0162	MLF 3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	4,333.01	1,294.18	
26 05 19 16-0163	MLF 3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	5,683.34	1,460.98	
26 05 19 16-0164	MLF 3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	7,612.35	1,585.32	
26 05 19 16-0165	MLF 4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	5,063.34	1,294.18	
26 05 19 16-0166	MLF 4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	5,516.89	1,460.98	
26 05 19 16-0167	MLF 4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	7,190.29	1,627.36	
26 05 19 16-0168	MLF 4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	9,590.17	1,753.15	
<b>26 05 19 16-0169</b>	<b>ACTHH, Stranded</b> <small>(26 05 19 16-0152)</small>			
26 05 19 16-0170	MLF 2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	6,562.16	1,503.02	
26 05 19 16-0171	MLF 2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	8,095.12	1,709.97	
26 05 19 16-0172	MLF 3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	7,821.61	1,668.98	
26 05 19 16-0173	MLF 3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	9,974.18	1,876.14	
26 05 19 16-0174	MLF 3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable.....	12,841.25	2,086.22	
26 05 19 16-0175	MLF 3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable.....	14,844.26	2,292.55	
26 05 19 16-0176	MLF 3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable.....	17,105.66	2,501.48	
26 05 19 16-0177	MLF 4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	10,212.69	2,002.15	
26 05 19 16-0178	MLF 4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	12,528.01	2,209.94	
26 05 19 16-0179	MLF 4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable.....	16,439.72	2,420.23	
26 05 19 16-0180	MLF 4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable.....	18,035.54	2,627.49	
26 05 19 16-0181	MLF 4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable.....	21,615.35	2,834.55	
<b>26 05 19 16-0182</b>	<b>HCFC, Solid</b> <small>(26 05 19 16-0152)</small>			
26 05 19 16-0183	MLF 2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	3,905.19	1,043.11	
26 05 19 16-0184	MLF 2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	4,253.00	1,172.04	
26 05 19 16-0185	MLF 2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	4,770.78	1,287.83	
26 05 19 16-0186	MLF 3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	4,804.60	1,172.04	
26 05 19 16-0187	MLF 3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	5,131.72	1,287.83	
26 05 19 16-0188	MLF 3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	6,875.90	1,469.22	
26 05 19 16-0189	MLF 4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	6,019.61	1,287.83	
26 05 19 16-0190	MLF 4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	6,529.64	1,469.22	
26 05 19 16-0191	MLF 4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	9,215.44	1,629.87	
<b>26 05 19 16-0192</b>	<b>MC, Solid Or Stranded, Galvanized Steel Armor</b> <small>(26 05 19 16-0152)</small>			
26 05 19 16-0193	MLF 2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	3,327.29	1,043.11	
26 05 19 16-0194	MLF 2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	3,712.65	1,172.04	
26 05 19 16-0195	MLF 2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	4,528.03	1,287.83	
26 05 19 16-0196	MLF 2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	5,936.57	1,376.17	
26 05 19 16-0197	MLF 2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	7,528.77	1,458.90	
26 05 19 16-0198	MLF 3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	3,860.66	1,172.04	
26 05 19 16-0199	MLF 3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	4,374.54	1,287.83	
26 05 19 16-0200	MLF 3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	5,649.18	1,469.22	
26 05 19 16-0201	MLF 3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	7,516.62	1,585.32	
26 05 19 16-0202	MLF 3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	8,868.42	1,709.97	
26 05 19 16-0203	MLF 3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	11,126.25	1,836.50	
26 05 19 16-0204	MLF 3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	15,705.77	1,960.74	
26 05 19 16-0205	MLF 4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	4,514.60	1,287.83	
26 05 19 16-0206	MLF 4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	5,175.26	1,469.22	
26 05 19 16-0207	MLF 4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	8,142.91	1,629.87	
26 05 19 16-0208	MLF 4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	11,272.41	1,795.40	
26 05 19 16-0209	MLF 4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	13,927.33	1,920.99	
26 05 19 16-0210	MLF 4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	18,648.35	2,045.33	
26 05 19 16-0211	MLF 4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	24,353.67	2,168.63	
<b>26 05 19 16-0212</b>	<b>MC, Solid Or Stranded, Aluminum Armor</b> <small>(26 05 19 16-0152)</small>			
26 05 19 16-0213	MLF 2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	3,295.44	1,043.11	
26 05 19 16-0214	MLF 2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	3,630.06	1,172.04	
26 05 19 16-0215	MLF 2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	4,454.99	1,287.83	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0216 MLF 3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable .....	3,993.68	1,172.04
26 05 19 16-0217 MLF 3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable .....	4,301.16	1,287.83
26 05 19 16-0218 MLF 3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable .....	5,591.15	1,469.22
26 05 19 16-0219 MLF 4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable .....	5,147.01	1,287.83
26 05 19 16-0220 MLF 4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable .....	5,633.61	1,469.22
26 05 19 16-0221 MLF 4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable .....	8,142.91	1,629.87
<b>26 05 19 16-0222 BX, Solid</b> <small>(26 05 19 16-0152)</small>		
26 05 19 16-0223 MLF #14 AWG Cable - Type BX, 2 Conductors, Solid Copper, Armored Cable .....	4,513.14	1,390.78
26 05 19 16-0224 MLF #12 AWG Cable - Type BX, 2 Conductors, Solid Copper, Armored Cable .....	5,024.28	1,580.52
26 05 19 16-0225 MLF #10 AWG Cable - Type BX, 2 Conductors, Solid Copper, Armored Cable .....	6,543.93	1,862.68
26 05 19 16-0226 MLF #14 AWG Cable - Type BX, 3 Conductors, Solid Copper, Armored Cable .....	5,123.85	1,511.78
26 05 19 16-0227 MLF #12 AWG Cable - Type BX, 3 Conductors, Solid Copper, Armored Cable .....	6,223.23	1,862.68
26 05 19 16-0228 MLF #10 AWG Cable - Type BX, 3 Conductors, Solid Copper, Armored Cable .....	8,015.36	2,219.43
26 05 19 16-0229 MLF #14 AWG Cable - Type BX, 4 Conductors, Solid Copper, Armored Cable .....	5,952.50	1,655.73
26 05 19 16-0230 MLF #12 AWG Cable - Type BX, 4 Conductors, Solid Copper, Armored Cable .....	6,852.29	1,862.68
26 05 19 16-0231 MLF #10 AWG Cable - Type BX, 4 Conductors, Solid Copper, Armored Cable .....	9,651.79	2,370.68
<b>26 05 19 16-0232 FPLP Solid TFN Red Armored Cable</b> <small>(26 05 19 16-0152)</small>		
Note: Color coded red.		
26 05 19 16-0233 MLF #18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable .....	3,556.37	792.77
26 05 19 16-0234 MLF #18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable .....	4,028.82	917.94
26 05 19 16-0235 MLF #18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable .....	5,046.87	1,043.11
26 05 19 16-0236 MLF #18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable .....	5,804.39	1,168.28
26 05 19 16-0237 MLF #16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable .....	4,039.20	917.94
26 05 19 16-0238 MLF #16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable .....	4,797.67	1,043.11
26 05 19 16-0239 MLF #16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable .....	6,103.61	1,168.28
26 05 19 16-0240 MLF #16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable .....	6,963.08	1,293.46
<b>26 05 19 16-0241 FPLP Solid THHN Red Armored Cable</b> <small>(26 05 19 16-0152)</small>		
Note: Color coded red.		
26 05 19 16-0242 MLF #14/2 With #14 Ground Type THHN FPLP Red Armored Cable .....	4,473.91	1,043.11
26 05 19 16-0243 MLF #14/4 With #14 Ground Type THHN FPLP Red Armored Cable .....	5,625.98	1,168.28
26 05 19 16-0244 MLF #14/6 With #14 Ground Type THHN FPLP Red Armored Cable .....	7,630.43	1,293.46
26 05 19 16-0245 MLF #14/8 With #14 Ground Type THHN FPLP Red Armored Cable .....	8,892.00	1,418.63
26 05 19 16-0246 MLF #12/2 With #12 Ground Type THHN FPLP Red Armored Cable .....	5,726.04	1,168.28
26 05 19 16-0247 MLF #12/4 With #12 Ground Type THHN FPLP Red Armored Cable .....	7,082.01	1,293.46
<b>26 05 19 16-0248 FPLP Twisted Shielded Pair Red Armored Cable</b> <small>(26 05 19 16-0152)</small>		
Note: Color coded red.		
26 05 19 16-0249 MLF #18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable .....	3,896.18	792.77
26 05 19 16-0250 MLF #18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable .....	6,299.94	1,168.28
26 05 19 16-0251 MLF #16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable .....	4,823.60	917.94
26 05 19 16-0252 MLF #16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable .....	5,720.83	1,043.11
26 05 19 16-0253 MLF #16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable .....	8,042.92	1,293.46
26 05 19 16-0254 MLF #14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable .....	5,644.85	1,084.84
26 05 19 16-0255 MLF #14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable .....	7,023.01	1,251.74
<b>26 05 19 16-0256 Armored Cable Connectors</b> <small>(26 05 19 16-0152)</small>		
26 05 19 16-0257 EA 3/4" Armored Cable Connector .....	6.42	2.29
For Work In Restricted Working Space, Add	1.72	
For Elevated Installation >10' To 15', Add	0.57	
For Elevated Installation >15' To 20', Add	1.14	
For Elevated Installation >20' To 25', Add	1.43	
For Elevated Installation >25' To 30', Add	2.00	
For Elevated Installation >30' To 35', Add	2.29	
For Elevated Installation >35' To 40', Add	2.86	
For Elevated Installation >40', Add	3.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.72	
26 05 19 16-0258 EA 1" Armored Cable Connector .....	8.57	3.05
For Work In Restricted Working Space, Add	2.29	
For Elevated Installation >10' To 15', Add	0.76	
For Elevated Installation >15' To 20', Add	1.52	
For Elevated Installation >20' To 25', Add	1.91	
For Elevated Installation >25' To 30', Add	2.67	
For Elevated Installation >30' To 35', Add	3.05	
For Elevated Installation >35' To 40', Add	3.81	
For Elevated Installation >40', Add	4.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0259 EA 1-1/4" Armored Cable Connector.....	10.78	3.81
<i>For Work In Restricted Working Space, Add</i>	2.86	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.95	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.91	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.38	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.81	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.77	
<i>For Elevated Installation &gt;40', Add</i>	5.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.86	
<b>26 05 19 16-0260 600 Volt, Feeder Wire, Single Stranded Copper</b> <small>(26 05 19 16-0012)</small>		
26 05 19 16-0261 MLF #14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	894.41	152.75
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	112.93	
<i>For EPR Insulation, Add</i>	48.40	
26 05 19 16-0262 MLF #12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	995.96	169.14
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	115.12	
<i>For EPR Insulation, Add</i>	49.34	
26 05 19 16-0263 MLF #10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,242.55	211.45
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	168.08	
<i>For EPR Insulation, Add</i>	72.03	
26 05 19 16-0264 MLF #8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,742.38	336.37
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	276.32	
<i>For EPR Insulation, Add</i>	118.42	
26 05 19 16-0265 MLF #6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,470.11	403.65
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	464.32	
<i>For EPR Insulation, Add</i>	198.99	
26 05 19 16-0266 MLF #4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,436.39	468.64
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	702.46	
<i>For EPR Insulation, Add</i>	301.05	
26 05 19 16-0267 MLF #3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,926.51	536.39
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	807.30	
<i>For EPR Insulation, Add</i>	345.99	
26 05 19 16-0268 MLF #2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,070.20	604.14
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,140.89	
<i>For EPR Insulation, Add</i>	488.95	
26 05 19 16-0269 MLF #1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,405.48	672.85
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,541.53	
<i>For EPR Insulation, Add</i>	660.66	
26 05 19 16-0270 MLF 1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	7,787.73	759.09
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,925.27	
<i>For EPR Insulation, Add</i>	825.11	
26 05 19 16-0271 MLF 2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	9,487.43	841.79
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	2,420.10	
<i>For EPR Insulation, Add</i>	1,037.19	
26 05 19 16-0272 MLF 3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	11,499.33	939.75
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	3,024.21	
<i>For EPR Insulation, Add</i>	1,296.09	
26 05 19 16-0273 MLF 4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	13,012.13	1,044.86
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	3,453.64	
<i>For EPR Insulation, Add</i>	1,480.13	
26 05 19 16-0274 MLF 250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	13,814.90	1,145.96
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	3,634.55	
<i>For EPR Insulation, Add</i>	1,557.67	
26 05 19 16-0275 MLF 300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	16,471.93	1,259.75
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	4,464.46	
<i>For EPR Insulation, Add</i>	1,913.34	
26 05 19 16-0276 MLF 350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	18,448.47	1,335.50
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	5,056.19	
<i>For EPR Insulation, Add</i>	2,166.94	
26 05 19 16-0277 MLF 400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	20,770.54	1,492.64
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	5,768.86	
<i>For EPR Insulation, Add</i>	2,472.37	
26 05 19 16-0278 MLF 500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	23,901.22	1,660.06
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	6,764.54	
<i>For EPR Insulation, Add</i>	2,899.09	
26 05 19 16-0279 MLF 600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	28,190.17	1,727.15
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	8,132.27	
<i>For EPR Insulation, Add</i>	3,485.26	
26 05 19 16-0280 MLF 750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	47,019.82	1,794.13
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	14,522.54	
<i>For EPR Insulation, Add</i>	6,223.94	
26 05 19 16-0281 MLF 1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	59,743.67	1,917.06
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	18,842.47	
<i>For EPR Insulation, Add</i>	8,075.35	
26 05 19 16-0282 MLF #16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,580.93	342.85
26 05 19 16-0283 MLF #14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,027.30	381.16
26 05 19 16-0284 MLF #12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,566.57	457.78
26 05 19 16-0285 MLF #10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,051.95	533.43
26 05 19 16-0286 MLF #8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,782.14	571.18
26 05 19 16-0287 MLF #18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	478.50	190.58
26 05 19 16-0288 MLF #16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	596.26	209.64
26 05 19 16-0289 MLF #14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	630.08	152.85
26 05 19 16-0290 MLF #12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	791.53	182.20

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 19 16-0291	MLF #10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	997.24	229.18
26 05 19 16-0292	MLF #8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	1,432.32	302.07
26 05 19 16-0293	MLF #6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	1,998.41	364.78
26 05 19 16-0294	MLF #4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	2,703.24	431.09
26 05 19 16-0295	MLF #3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	3,252.40	487.98
26 05 19 16-0296	MLF #2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	3,924.58	546.49
26 05 19 16-0297	MLF #1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	4,725.05	616.72
26 05 19 16-0298	MLF 1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	5,501.07	675.32
26 05 19 16-0299	MLF 2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	6,282.35	746.31
26 05 19 16-0300	MLF 3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	7,553.01	789.39
26 05 19 16-0301	MLF 4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	9,079.51	888.11
26 05 19 16-0302	MLF 250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	10,740.82	944.81
26 05 19 16-0303	MLF 300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	12,476.82	1,070.02
26 05 19 16-0304	MLF 350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	14,351.83	1,184.17
26 05 19 16-0305	MLF 400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	16,156.71	1,216.58
26 05 19 16-0306	MLF 500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	19,372.87	1,287.09
26 05 19 16-0307	MLF 600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	24,289.35	1,514.65
26 05 19 16-0308	MLF 750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	37,990.69	1,794.13
26 05 19 16-0309	MLF 1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	45,624.10	2,166.15
26 05 19 16-0310	MLF #16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	2,382.12	457.78
26 05 19 16-0311	MLF #14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	2,646.83	533.43
26 05 19 16-0312	MLF #12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	3,067.29	610.34
26 05 19 16-0313	MLF #10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	3,989.05	685.80
26 05 19 16-0314	MLF #8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	4,520.72	762.33
26 05 19 16-0315	MLF #6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	5,769.32	837.79

**26 05 19 16-0316 600 Volt, Feeder Wire, Single Stranded Aluminum** (26 05 19 16-0012)

26 05 19 16-0317	MLF #6 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	1,035.75	292.20
26 05 19 16-0318	MLF #4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	1,225.69	339.77
26 05 19 16-0319	MLF #2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	1,601.05	436.15
26 05 19 16-0320	MLF #1 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	1,965.50	487.04
26 05 19 16-0321	MLF 1/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	2,269.42	548.71
26 05 19 16-0322	MLF 2/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	2,574.78	605.63
26 05 19 16-0323	MLF 3/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	3,026.46	683.49
26 05 19 16-0324	MLF 4/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	3,349.41	754.06
26 05 19 16-0325	MLF 250 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	3,859.97	828.96
26 05 19 16-0326	MLF 300 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	4,722.79	901.48
26 05 19 16-0327	MLF 350 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	4,944.92	973.98
26 05 19 16-0328	MLF 400 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	5,642.83	1,083.33
26 05 19 16-0329	MLF 500 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	6,218.39	1,192.64
26 05 19 16-0330	MLF 600 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	7,574.22	1,389.30
26 05 19 16-0331	MLF 700 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	8,541.93	1,523.06
26 05 19 16-0332	MLF 750 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	8,731.24	1,579.52
26 05 19 16-0333	MLF 1,000 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	11,910.40	1,916.05
26 05 19 16-0334	MLF #8 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	1,172.99	338.38
26 05 19 16-0335	MLF #6 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	1,319.35	381.16
26 05 19 16-0336	MLF #4 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	1,623.97	468.92
26 05 19 16-0337	MLF #2 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	2,050.20	574.80
26 05 19 16-0338	MLF #1 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	2,589.58	676.66
26 05 19 16-0339	MLF 1/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	2,984.18	762.61
26 05 19 16-0340	MLF 2/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	3,391.03	847.04
26 05 19 16-0341	MLF 3/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	3,892.23	924.13
26 05 19 16-0342	MLF 4/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	4,216.59	983.49
26 05 19 16-0343	MLF 250 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	4,776.67	1,052.30
26 05 19 16-0344	MLF 300 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	5,783.54	1,127.77
26 05 19 16-0345	MLF 350 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	6,058.77	1,218.30
26 05 19 16-0346	MLF 400 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	6,844.15	1,328.54
26 05 19 16-0347	MLF 500 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	7,697.32	1,524.65
26 05 19 16-0348	MLF 600 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	8,934.65	1,604.51
26 05 19 16-0349	MLF 700 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	9,912.49	1,691.60
26 05 19 16-0350	MLF 750 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	10,235.94	1,797.76
26 05 19 16-0351	MLF 1,000 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	14,846.44	2,519.49
26 05 19 16-0352	MLF #6 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	1,399.03	381.16
26 05 19 16-0353	MLF #4 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	1,745.56	468.83
26 05 19 16-0354	MLF #2 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	2,178.25	575.56
26 05 19 16-0355	MLF #1 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	2,739.99	672.85
26 05 19 16-0356	MLF 1/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	3,095.86	759.09
26 05 19 16-0357	MLF 2/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	3,506.65	841.79
26 05 19 16-0358	MLF 3/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	4,069.42	924.13
26 05 19 16-0359	MLF 4/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	4,447.26	983.49
26 05 19 16-0360	MLF 250 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	5,050.96	1,051.62
26 05 19 16-0361	MLF 300 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	6,137.11	1,129.19
26 05 19 16-0362	MLF 350 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	6,491.42	1,219.91
26 05 19 16-0363	MLF 400 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	7,188.82	1,325.49
26 05 19 16-0364	MLF 500 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	8,272.96	1,524.65
26 05 19 16-0365	MLF 600 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	9,481.56	1,600.21
26 05 19 16-0366	MLF 700 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	10,525.94	1,691.60
26 05 19 16-0367	MLF 750 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	10,930.67	1,792.32





	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0368	<b>Non-Metallic Sheathed Cable</b> (26 05 19 16-0012)			
26 05 19 16-0369	<b>Indoor Installation</b> (26 05 19 16-0368)			
	Note: For NM, NM-B, NMC-B and NMS-B.			
26 05 19 16-0370	MLF #14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	.....2,088.65 271.54		724.12
26 05 19 16-0371	MLF #14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	.....2,573.46 328.77		876.68
26 05 19 16-0372	MLF #14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	.....3,315.29 363.77		970.06
26 05 19 16-0373	MLF #12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	.....2,434.02 293.02		823.31
26 05 19 16-0374	MLF #12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	.....3,194.74 342.99		914.60
26 05 19 16-0375	MLF #12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	.....3,958.31 383.07		1,021.51
26 05 19 16-0376	MLF #10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	.....2,950.79 343.16		915.08
26 05 19 16-0377	MLF #10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	.....4,115.32 400.29		1,067.45
26 05 19 16-0378	MLF #10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	.....4,828.62 457.40		1,219.72
26 05 19 16-0379	MLF #8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	.....4,552.03 390.22		1,095.84
26 05 19 16-0380	MLF #8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	.....5,709.51 471.69		1,324.54
26 05 19 16-0381	MLF #6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	.....5,699.30 443.10		1,248.30
26 05 19 16-0382	MLF #6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	.....7,392.47 536.01		1,505.59
26 05 19 16-0383	MLF #4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	.....14,552.63 589.61		1,658.05
26 05 19 16-0384	MLF #2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	.....16,803.16 643.21		1,801.00
26 05 19 16-0385	<b>Direct Burial Cable</b> (26 05 19 16-0368)			
	Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.			
26 05 19 16-0386	MLF #14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	.....2,273.72		
26 05 19 16-0387	MLF #14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	.....3,012.82		
26 05 19 16-0388	MLF #12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	.....2,915.57		
26 05 19 16-0389	MLF #12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	.....3,899.53		
26 05 19 16-0390	MLF #10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	.....3,251.94		
26 05 19 16-0391	MLF #10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	.....4,876.68		
26 05 19 16-0392	MLF #8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	.....5,461.86		
26 05 19 16-0393	MLF #8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	.....7,080.64		
26 05 19 16-0394	MLF #6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	.....6,999.07		
26 05 19 16-0395	MLF #6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	.....9,416.22		
26 05 19 16-0396	<b>SEU Cable Copper, 3 Conductor</b> (26 05 19 16-0368)			
26 05 19 16-0397	MLF 12-12-12 Cable SEU Copper	.....3,106.78		918.25
26 05 19 16-0398	MLF 10-10-10 Cable SEU Copper	.....4,057.93		1,043.11
26 05 19 16-0399	MLF 8-8-8 Cable SEU Copper	.....5,238.18		1,168.08
26 05 19 16-0400	MLF 6-6-8 Cable SEU Copper	.....6,556.96		1,252.26
26 05 19 16-0401	MLF 6-6-6 Cable SEU Copper	.....7,130.65		1,294.18
26 05 19 16-0402	MLF 4-4-6 Cable SEU Copper	.....8,924.05		1,419.16
26 05 19 16-0403	MLF 4-4-4 Cable SEU Copper	.....9,715.67		1,460.98
26 05 19 16-0404	MLF 3-3-5 Cable SEU Copper	.....11,482.00		1,585.32
26 05 19 16-0405	MLF 3-3-3 Cable SEU Copper	.....12,217.66		1,668.98
26 05 19 16-0406	MLF 2-2-4 Cable SEU Copper	.....13,095.53		1,753.15
26 05 19 16-0407	MLF 2-2-2 Cable SEU Copper	.....14,056.66		1,836.50
26 05 19 16-0408	MLF 1-1-1 Cable SEU Copper	.....17,444.29		2,086.22
26 05 19 16-0409	MLF 1/0-1/0-1/0 Cable SEU Copper	.....20,972.40		2,338.87
26 05 19 16-0410	MLF 2/0-2/0-2/0 Cable SEU Copper	.....25,523.96		2,634.17
26 05 19 16-0411	MLF 3/0-3/0-3/0 Cable SEU Copper	.....31,061.64		2,930.10
26 05 19 16-0412	MLF 4/0-4/0-4/0 Cable SEU Copper	.....34,719.88		3,269.95
26 05 19 16-0413	<b>SEU Cable Aluminum, 3 Conductor</b> (26 05 19 16-0368)			
26 05 19 16-0414	MLF 8-8-8 Cable SEU Aluminum	.....3,732.44		1,172.04
26 05 19 16-0415	MLF 6-6-6 Cable SEU Aluminum	.....4,251.05		1,287.83
26 05 19 16-0416	MLF 4-4-6 Cable SEU Aluminum	.....4,771.25		1,409.66
26 05 19 16-0417	MLF 4-4-4 Cable SEU Aluminum	.....4,995.51		1,469.22
26 05 19 16-0418	MLF 2-2-4 Cable SEU Aluminum	.....5,975.49		1,738.56
26 05 19 16-0419	MLF 2-2-2 Cable SEU Aluminum	.....6,341.97		1,830.03

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0420 MLF 1-1-1 Cable SEU Aluminum.....	7,609.99	2,086.22
26 05 19 16-0421 MLF 1/0-1/0-2 Cable SEU Aluminum.....	8,054.69	2,196.06
26 05 19 16-0422 MLF 1/0-1/0-1/0 Cable SEU Aluminum.....	9,765.12	2,318.00
26 05 19 16-0423 MLF 2/0-2/0-1 Cable SEU Aluminum.....	9,094.53	2,483.65
26 05 19 16-0424 MLF 2/0-2/0-2/0 Cable SEU Aluminum.....	9,606.34	2,607.78
26 05 19 16-0425 MLF 3/0-3/0-1/0 Cable SEU Aluminum.....	10,457.01	2,730.65
26 05 19 16-0426 MLF 3/0-3/0-3/0 Cable SEU Aluminum.....	11,185.61	2,897.55
26 05 19 16-0427 MLF 4/0-4/0-2/0 Cable SEU Aluminum.....	11,814.52	3,132.47
26 05 19 16-0428 MLF 4/0-4/0-4/0 Cable SEU Aluminum.....	12,474.35	3,259.72
<b>26 05 19 16-0429 SER Cable Copper, 4 Conductor</b> (26 05 19 16-0368)		
26 05 19 16-0430 MLF 6-6-6-6 Cable SER Copper.....	11,340.84	1,503.02
26 05 19 16-0431 MLF 4-4-4-6 Cable SER Copper.....	12,461.28	1,627.36
26 05 19 16-0432 MLF 3-3-3-5 Cable SER Copper.....	15,661.84	1,836.50
26 05 19 16-0433 MLF 2-2-2-4 Cable SER Copper.....	18,052.10	2,002.15
26 05 19 16-0434 MLF 1-1-1-3 Cable SER Copper.....	21,090.30	2,292.55
26 05 19 16-0435 MLF 1/0-1/0-1/0-2 Cable SER Copper.....	25,887.57	2,627.49
26 05 19 16-0436 MLF 2/0-2/0-2/0-1 Cable SER Copper.....	32,991.61	2,834.55
26 05 19 16-0437 MLF 3/0-3/0-3/0-1/0 Cable SER Copper.....	38,233.01	3,170.53
<b>26 05 19 16-0438 SER Cable Aluminum, 4 Conductor</b> (26 05 19 16-0368)		
26 05 19 16-0439 MLF 8-8-8-8 Cable SER Aluminum.....	4,981.28	1,402.88
26 05 19 16-0440 MLF 6-6-6-6 Cable SER Aluminum.....	5,446.88	1,503.02
26 05 19 16-0441 MLF 4-4-4-6 Cable SER Aluminum.....	6,130.94	1,627.36
26 05 19 16-0442 MLF 2-2-2-4 Cable SER Aluminum.....	7,752.38	2,002.15
26 05 19 16-0443 MLF 1-1-1-3 Cable SER Aluminum.....	9,405.68	2,292.55
26 05 19 16-0444 MLF 1/0-1/0-1/0-2 Cable SER Aluminum.....	10,602.79	2,627.49
26 05 19 16-0445 MLF 2/0-2/0-2/0-1 Cable SER Aluminum.....	11,927.85	2,834.55
26 05 19 16-0446 MLF 3/0-3/0-3/0-1/0 Cable SER Aluminum.....	13,614.38	3,170.53
26 05 19 16-0447 MLF 4/0-4/0-4/0-2/0 Cable SER Aluminum.....	15,501.89	3,532.91
<b>26 05 19 16-0448 Control Tray Cable, Low Voltage</b> (26 05 19 16-0011)		
Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.		
26 05 19 16-0449 MLF 2 Conductor #18 AWG, Stranded, Type TC Control Cable.....	969.13	462.25
For Work In Restricted Working Space, Add	231.13	
26 05 19 16-0450 MLF 3 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,117.29	517.09
For Work In Restricted Working Space, Add	258.54	
26 05 19 16-0451 MLF 4 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,169.34	517.05
For Work In Restricted Working Space, Add	258.54	
26 05 19 16-0452 MLF 5 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,464.11	648.53
For Work In Restricted Working Space, Add	324.26	
26 05 19 16-0453 MLF 7 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,842.32	790.29
For Work In Restricted Working Space, Add	395.15	
26 05 19 16-0454 MLF 9 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,101.32	869.05
For Work In Restricted Working Space, Add	434.52	
26 05 19 16-0455 MLF 12 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,497.39	987.46
For Work In Restricted Working Space, Add	493.73	
26 05 19 16-0456 MLF 15 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,156.54	1,206.95
For Work In Restricted Working Space, Add	603.48	
26 05 19 16-0457 MLF 19 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,604.45	1,316.73
For Work In Restricted Working Space, Add	658.37	
26 05 19 16-0458 MLF 25 Conductor #18 AWG, Stranded, Type TC Control Cable.....	4,259.72	1,357.89
For Work In Restricted Working Space, Add	678.95	
26 05 19 16-0459 MLF 30 Conductor #18 AWG, Stranded, Type TC Control Cable.....	5,225.99	1,696.37
For Work In Restricted Working Space, Add	848.18	
26 05 19 16-0460 MLF 37 Conductor #18 AWG, Stranded, Type TC Control Cable.....	6,265.93	1,982.52
For Work In Restricted Working Space, Add	991.26	
26 05 19 16-0461 MLF 2 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,059.31	486.94
For Work In Restricted Working Space, Add	243.28	
26 05 19 16-0462 MLF 3 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,226.53	544.30
For Work In Restricted Working Space, Add	272.15	
26 05 19 16-0463 MLF 4 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,428.79	626.63
For Work In Restricted Working Space, Add	313.31	
26 05 19 16-0464 MLF 5 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,616.80	682.66
For Work In Restricted Working Space, Add	341.33	
26 05 19 16-0465 MLF 7 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,042.93	831.89
For Work In Restricted Working Space, Add	415.94	
26 05 19 16-0466 MLF 9 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,340.78	914.79
For Work In Restricted Working Space, Add	457.40	
26 05 19 16-0467 MLF 12 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,796.90	1,039.43
For Work In Restricted Working Space, Add	519.71	
26 05 19 16-0468 MLF 15 Conductor #16 AWG, Stranded, Type TC Control Cable.....	3,548.55	1,270.42
For Work In Restricted Working Space, Add	635.21	
26 05 19 16-0469 MLF 19 Conductor #16 AWG, Stranded, Type TC Control Cable.....	4,072.22	1,385.91
For Work In Restricted Working Space, Add	692.96	
26 05 19 16-0470 MLF 25 Conductor #16 AWG, Stranded, Type TC Control Cable.....	4,877.98	1,429.36
For Work In Restricted Working Space, Add	714.68	
26 05 19 16-0471 MLF 30 Conductor #16 AWG, Stranded, Type TC Control Cable.....	5,974.33	1,785.56
For Work In Restricted Working Space, Add	892.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0472 MLF 37 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,180.27 1,043.43	2,086.87
26 05 19 16-0473 MLF 2 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,148.74 254.14	508.28
26 05 19 16-0474 MLF 3 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,372.79 285.87	571.75
26 05 19 16-0475 MLF 4 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,609.60 326.75	653.50
26 05 19 16-0476 MLF 5 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,811.74 351.91	703.82
26 05 19 16-0477 MLF 7 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,413.74 431.38	862.77
26 05 19 16-0478 MLF 9 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,783.13 476.55	952.90
26 05 19 16-0479 MLF 12 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,416.50 531.72	1,063.45
26 05 19 16-0480 MLF 15 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,080.81 635.21	1,270.23
26 05 19 16-0481 MLF 19 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,906.78 737.84	1,476.06
26 05 19 16-0482 MLF 25 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,117.70 863.05	1,725.71
26 05 19 16-0483 MLF 30 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,112.08 964.25	1,928.49
26 05 19 16-0484 MLF 37 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,569.17 1,126.91	2,253.81
26 05 19 16-0485 MLF 2 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,338.89 272.15	544.30
26 05 19 16-0486 MLF 3 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,600.72 301.02	602.24
26 05 19 16-0487 MLF 4 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,947.40 346.48	692.96
26 05 19 16-0488 MLF 5 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,205.06 368.78	737.55
26 05 19 16-0489 MLF 7 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,908.60 439.67	879.35
26 05 19 16-0490 MLF 9 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,589.38 519.71	1,039.43
26 05 19 16-0491 MLF 12 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,367.32 586.32	1,172.65
26 05 19 16-0492 MLF 15 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,199.19 672.66	1,345.31
26 05 19 16-0493 MLF 19 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,148.94 762.42	1,524.84
26 05 19 16-0494 MLF 25 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,878.83 891.06	1,782.13
26 05 19 16-0495 MLF 30 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	9,123.41 1,041.43	2,082.87
26 05 19 16-0496 MLF 37 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	11,036.05 1,217.24	2,434.48
26 05 19 16-0497 MLF 2 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,597.53 285.87	571.75
26 05 19 16-0498 MLF 3 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,996.53 313.31	627.01
26 05 19 16-0499 MLF 4 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,433.08 357.34	714.68
26 05 19 16-0500 MLF 5 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,829.78 387.64	775.29
26 05 19 16-0501 MLF 7 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,833.69 486.56	973.11
26 05 19 16-0502 MLF 9 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,547.56 544.59	1,089.17
26 05 19 16-0503 MLF 12 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,299.09 635.21	1,270.42
26 05 19 16-0504 MLF 15 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,265.44 726.40	1,452.80
26 05 19 16-0505 MLF 19 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,434.17 823.31	1,646.62
26 05 19 16-0506 MLF 25 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	9,588.70 962.25	1,924.49
26 05 19 16-0507 MLF 30 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	11,096.30 1,124.62	2,249.24
26 05 19 16-0508 MLF 37 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	13,454.57 1,314.73	2,629.45
26 05 19 16-0509 ACSR (Aluminum Conductor Steel Reinforced) (26 05 19 16-0011) Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.		
26 05 19 16-0510 ACSR Cable (26 05 19 16-0509)		
26 05 19 16-0511 MLF #4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial) .....	1,416.38	495.97
26 05 19 16-0512 MLF #4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial) .....	1,484.94	514.99
26 05 19 16-0513 MLF #2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial) .....	1,567.96	534.82
26 05 19 16-0514 MLF #2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial) .....	1,637.16	554.18

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0515 MLF 1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial) .....	1,749.40	572.98
26 05 19 16-0516 MLF 2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial) .....	2,008.01	649.53
26 05 19 16-0517 MLF 3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial) .....	2,277.31	724.36
26 05 19 16-0518 MLF 4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial) .....	2,564.10	800.22
26 05 19 16-0519 MLF 336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial).....	3,156.33	1,028.39
26 05 19 16-0520 MLF 477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial) .....	3,606.75	1,179.65
<b>26 05 19 16-0521 All Aluminum Conductors (26 05 19 16-0509)</b>		
26 05 19 16-0522 MLF 795.0 ACSR Conductor Aluminum.....	26,735.83	9,843.83
<b>26 05 19 16-0523 Single Conductor Installed On Poles (26 05 19 16-0011)</b>		
<b>26 05 19 16-0524 Bare Stranded Conductor (26 05 19 16-0523)</b>		
26 05 19 16-0525 MLF #12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,315.93	420.23
26 05 19 16-0526 MLF #10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,562.18	458.04
26 05 19 16-0527 MLF #8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,809.68	496.31
26 05 19 16-0528 MLF #6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	2,260.50	534.82
26 05 19 16-0529 MLF #4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	2,794.04	573.44
26 05 19 16-0530 MLF #2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	4,080.86	687.80
26 05 19 16-0531 MLF #1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	4,705.20	764.01
26 05 19 16-0532 MLF 1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	5,388.96	838.84
26 05 19 16-0533 MLF 2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	7,304.35	994.92
26 05 19 16-0534 MLF 3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	8,901.39	1,143.89
26 05 19 16-0535 MLF 4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	9,513.40	1,296.42
26 05 19 16-0536 MLF 250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	12,109.17	1,527.90
26 05 19 16-0537 MLF 300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	12,359.96	1,608.35
26 05 19 16-0538 MLF 350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	15,623.47	1,684.33
26 05 19 16-0539 MLF 400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	17,329.46	1,753.43
26 05 19 16-0540 MLF 500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	20,330.66	1,828.26
<b>26 05 19 16-0541 Insulated Stranded Conductor (26 05 19 16-0523)</b>		
26 05 19 16-0542 MLF #12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,443.00	420.23
26 05 19 16-0543 MLF #10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,726.13	458.04
26 05 19 16-0544 MLF #8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,133.34	496.31
26 05 19 16-0545 MLF #6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,321.76	534.82
26 05 19 16-0546 MLF #4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,887.51	573.44
26 05 19 16-0547 MLF #2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	3,945.88	687.80
26 05 19 16-0548 MLF #1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	4,691.73	764.01
26 05 19 16-0549 MLF 1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	5,576.90	838.84
26 05 19 16-0550 MLF 2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	6,727.19	994.92
26 05 19 16-0551 MLF 3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	8,096.89	1,143.89
26 05 19 16-0552 MLF 4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	9,576.16	1,296.42
26 05 19 16-0553 MLF 250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	11,725.17	1,527.90
26 05 19 16-0554 MLF 300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	13,376.41	1,608.35
26 05 19 16-0555 MLF 350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	14,716.76	1,684.33
26 05 19 16-0556 MLF 400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	16,577.67	1,753.43
26 05 19 16-0557 MLF 500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	18,731.63	1,828.26
<b>26 05 19 16-0558 Bare Solid Conductor (26 05 19 16-0523)</b>		
26 05 19 16-0559 MLF #12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles .....	1,315.93	420.23
26 05 19 16-0560 MLF #8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles .....	1,809.68	496.31
26 05 19 16-0561 MLF #6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles .....	2,260.50	534.82
26 05 19 16-0562 MLF #4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles .....	2,755.42	573.44
<b>26 05 19 16-0563 Multi-Conductor Cords, Cables And Associated Equipment (26 05 19 16-0011)</b>		
<b>26 05 19 16-0564 Multi-Conductor Cords (26 05 19 16-0563)</b>		
Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
<b>26 05 19 16-0565 Multi-Conductor Type SOOW And SJOOW Cord (26 05 19 16-0564)</b>		
Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
<b>26 05 19 16-0566 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0565)</b>		
<b>26 05 19 16-0567 #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0566)</b>		
26 05 19 16-0568 LF 2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) .....	1.15	0.42
26 05 19 16-0569 LF 3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) .....	1.22	0.42
26 05 19 16-0570 LF 4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) .....	1.40	0.42
<b>26 05 19 16-0571 #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0566)</b>		
26 05 19 16-0572 LF 2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) .....	1.35	0.42
26 05 19 16-0573 LF 3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) .....	1.46	0.42
26 05 19 16-0574 LF 4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) .....	1.62	0.42



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0575				<b>#14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0566)</small>		
26 05 19 16-0576	LF			2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.55	0.42
26 05 19 16-0577	LF			3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.73	0.42
26 05 19 16-0578	LF			4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.07	0.42
26 05 19 16-0579				<b>#12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0566)</small>		
26 05 19 16-0580	LF			2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.85	0.42
26 05 19 16-0581	LF			3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.06	0.42
26 05 19 16-0582	LF			4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.35	0.42
26 05 19 16-0583				<b>#10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0566)</small>		
26 05 19 16-0584	LF			2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.47	0.52
26 05 19 16-0585	LF			3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.61	0.52
26 05 19 16-0586	LF			4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.83	0.52
26 05 19 16-0587				<b>600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0565)</small>		
26 05 19 16-0588				<b>#18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0587)</small>		
26 05 19 16-0589	LF			2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.22	0.42
26 05 19 16-0590	LF			3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.34	0.42
26 05 19 16-0591	LF			4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.51	0.42
26 05 19 16-0592	LF			5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.76	0.56
26 05 19 16-0593	LF			6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.03	0.58
26 05 19 16-0594	LF			7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.24	0.59
26 05 19 16-0595	LF			8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.58	0.61
26 05 19 16-0596	LF			10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.16	0.64
26 05 19 16-0597	LF			12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.78	0.66
26 05 19 16-0598	LF			14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.44	0.67
26 05 19 16-0599	LF			16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.55	0.69
26 05 19 16-0600	LF			18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.74	0.70
26 05 19 16-0601	LF			20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.54	0.72
26 05 19 16-0602	LF			24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.61	0.73
26 05 19 16-0603	LF			30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.02	0.78
26 05 19 16-0604				<b>#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0587)</small>		
26 05 19 16-0605	LF			2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.45	0.42
26 05 19 16-0606	LF			3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.56	0.42
26 05 19 16-0607	LF			4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.78	0.42
26 05 19 16-0608	LF			5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.90	0.56
26 05 19 16-0609	LF			6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.22	0.58
26 05 19 16-0610	LF			7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.55	0.59
26 05 19 16-0611	LF			8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.95	0.61
26 05 19 16-0612	LF			9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.12	0.62
26 05 19 16-0613	LF			10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.62	0.64
26 05 19 16-0614	LF			12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.44	0.66
26 05 19 16-0615	LF			14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.87	0.67
26 05 19 16-0616	LF			16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.67	0.69
26 05 19 16-0617	LF			18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.77	0.70
26 05 19 16-0618	LF			20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.76	0.72
26 05 19 16-0619	LF			24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.67	0.73
26 05 19 16-0620	LF			26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.77	0.75
26 05 19 16-0621	LF			30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	13.77	0.78

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 19 16-0622 #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0587)</small>		
26 05 19 16-0623 LF 2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.76	0.42
26 05 19 16-0624 LF 3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.89	0.42
26 05 19 16-0625 LF 4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.20	0.42
26 05 19 16-0626 LF 5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.87	0.56
26 05 19 16-0627 LF 6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.70	0.58
26 05 19 16-0628 LF 7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.98	0.59
26 05 19 16-0629 LF 8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.63	0.61
26 05 19 16-0630 LF 9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.08	0.62
26 05 19 16-0631 LF 10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.83	0.64
26 05 19 16-0632 LF 12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.54	0.66
26 05 19 16-0633 LF 14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.36	0.67
26 05 19 16-0634 LF 16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.13	0.69
26 05 19 16-0635 LF 20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.41	0.72
26 05 19 16-0636 LF 24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	13.52	0.73
26 05 19 16-0637 LF 30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	16.05	0.78
<b>26 05 19 16-0638 #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0587)</small>		
26 05 19 16-0639 LF 2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.07	0.42
26 05 19 16-0640 LF 3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.31	0.42
26 05 19 16-0641 LF 4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.54	0.42
26 05 19 16-0642 LF 5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.49	0.56
26 05 19 16-0643 LF 6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.25	0.58
26 05 19 16-0644 LF 7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.03	0.59
26 05 19 16-0645 LF 8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.88	0.61
26 05 19 16-0646 LF 9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.48	0.62
26 05 19 16-0647 LF 10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.52	0.64
26 05 19 16-0648 LF 12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.74	0.66
26 05 19 16-0649 LF 14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.88	0.67
26 05 19 16-0650 LF 16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.01	0.69
26 05 19 16-0651 LF 18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.56	0.70
26 05 19 16-0652 LF 20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.54	0.72
26 05 19 16-0653 LF 24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	16.56	0.73
26 05 19 16-0654 LF 26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	18.60	0.75
26 05 19 16-0655 LF 28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	19.24	0.76
26 05 19 16-0656 LF 30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	19.96	0.78
<b>26 05 19 16-0657 #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0587)</small>		
26 05 19 16-0658 LF 2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.41	0.52
26 05 19 16-0659 LF 3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.61	0.52
26 05 19 16-0660 LF 4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.82	0.52
26 05 19 16-0661 LF 5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.84	0.56
26 05 19 16-0662 LF 6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.50	0.58
26 05 19 16-0663 LF 7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.71	0.59
26 05 19 16-0664 LF 10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.01	0.64
26 05 19 16-0665 LF 12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.51	0.66
26 05 19 16-0666 LF 16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.78	0.69
26 05 19 16-0667 LF 20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	21.70	0.72
<b>26 05 19 16-0668 #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0587)</small>		
26 05 19 16-0669 LF 3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.02	0.62
26 05 19 16-0670 LF 4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.49	0.73
26 05 19 16-0671 LF 5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.64	0.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 19 16-0672 #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0587)</small>		
26 05 19 16-0673 LF 3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.37	0.73
26 05 19 16-0674 LF 4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	8.91	0.83
26 05 19 16-0675 LF 5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	10.71	1.04
<b>26 05 19 16-0676 #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0587)</small>		
26 05 19 16-0677 LF 3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	11.88	1.04
26 05 19 16-0678 LF 4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	13.06	1.14
26 05 19 16-0679 LF 5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	15.84	1.25
<b>26 05 19 16-0680 #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0587)</small>		
26 05 19 16-0681 LF 3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	17.44	2.09
26 05 19 16-0682 LF 4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	22.23	2.61
26 05 19 16-0683 LF 5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	26.68	3.44
<b>26 05 19 16-0684 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0565)</small>		
<b>26 05 19 16-0685 #18 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0684)</small>		
26 05 19 16-0686 LF 2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.62	0.42
26 05 19 16-0687 LF 3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.81	0.42
26 05 19 16-0688 LF 4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.20	0.42
<b>26 05 19 16-0689 #16 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0684)</small>		
26 05 19 16-0690 LF 2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.74	0.42
26 05 19 16-0691 LF 3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.05	0.42
26 05 19 16-0692 LF 4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.20	0.42
<b>26 05 19 16-0693 #14 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0684)</small>		
26 05 19 16-0694 LF 2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.52	0.42
26 05 19 16-0695 LF 3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	3.79	0.42
26 05 19 16-0696 LF 4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	4.91	0.52
<b>26 05 19 16-0697 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0565)</small>		
<b>26 05 19 16-0698 #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0697)</small>		
26 05 19 16-0699 LF 2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.42	0.42
26 05 19 16-0700 LF 3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.96	0.42
26 05 19 16-0701 LF 4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.51	0.42
<b>26 05 19 16-0702 #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0697)</small>		
26 05 19 16-0703 LF 2 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.61	0.42
26 05 19 16-0704 LF 3 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.16	0.42
26 05 19 16-0705 LF 4 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.02	0.42
26 05 19 16-0706 LF 5 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.34	0.52
<b>26 05 19 16-0707 #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0697)</small>		
26 05 19 16-0708 LF 3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.28	0.42
26 05 19 16-0709 LF 4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.98	0.42

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0710	LF		5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	4.46	0.52
<b>26 05 19 16-0711</b>			<b>#12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0697)</small>		
26 05 19 16-0712	LF		3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	3.95	0.42
26 05 19 16-0713	LF		4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	4.56	0.42
26 05 19 16-0714	LF		5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	5.10	0.52
<b>26 05 19 16-0715</b>			<b>#10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0697)</small>		
26 05 19 16-0716	LF		3 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	4.54	0.52
26 05 19 16-0717	LF		4 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	5.09	0.52
26 05 19 16-0718	LF		5 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	5.62	0.52
<b>26 05 19 16-0719</b>			<b>Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0564)</small> Note: Includes thermoplastic elastomeric (TPE) insulation.		
<b>26 05 19 16-0720</b>			<b>600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0719)</small>		
<b>26 05 19 16-0721</b>			<b>#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0720)</small>		
26 05 19 16-0722	LF		3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.77	0.42
26 05 19 16-0723	LF		4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.98	0.42
26 05 19 16-0724	LF		5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.13	0.52
<b>26 05 19 16-0725</b>			<b>#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0720)</small>		
26 05 19 16-0726	LF		3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.41	0.42
26 05 19 16-0727	LF		4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.82	0.42
26 05 19 16-0728	LF		5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.14	0.52
<b>26 05 19 16-0729</b>			<b>#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0720)</small>		
26 05 19 16-0730	LF		3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.07	0.42
26 05 19 16-0731	LF		4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.60	0.42
26 05 19 16-0732	LF		5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.58	0.52
<b>26 05 19 16-0733</b>			<b>#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0720)</small>		
26 05 19 16-0734	LF		3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.95	0.52
26 05 19 16-0735	LF		4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.58	0.52
26 05 19 16-0736	LF		5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.91	0.52
<b>26 05 19 16-0737</b>			<b>Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0564)</small> Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
<b>26 05 19 16-0738</b>			<b>2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0737)</small>		
<b>26 05 19 16-0739</b>			<b>#8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0738)</small>		
26 05 19 16-0740	LF		3 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.55	0.62
26 05 19 16-0741	LF		4 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.99	0.73
26 05 19 16-0742	LF		5 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.14	0.73
<b>26 05 19 16-0743</b>			<b>#6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0738)</small>		
26 05 19 16-0744	LF		3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.95	0.73
26 05 19 16-0745	LF		4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.10	0.83
26 05 19 16-0746	LF		5 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	8.86	1.04
<b>26 05 19 16-0747</b>			<b>#4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0738)</small>		
26 05 19 16-0748	LF		3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	8.28	0.73
26 05 19 16-0749	LF		4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	9.78	0.83
26 05 19 16-0750	LF		5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	12.63	1.04
<b>26 05 19 16-0751</b>			<b>Cord Grips, Cable Reels, Extension Cords, And Accessories</b> <small>(26 05 19 16-0563)</small>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 19 16-0752</b> <b>Cord Grips</b> <small>(26 05 19 16-0751)</small>		
26 05 19 16-0753    EA    Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	66.62	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.97
26 05 19 16-0754    EA    Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	67.00	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.97
<b>26 05 19 16-0755</b> <b>Cable Reels</b> <small>(26 05 19 16-0751)</small>		
	<i>Note: Includes handling, mounting, electrical connections and installing cord.</i>	
26 05 19 16-0756    EA    30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A).....	897.90	52.15
26 05 19 16-0757    EA    50', 10-4, SEOOW, Extension Cord Reel (Reelcraft L 7050 104 X 1).....	2,602.98	52.15
26 05 19 16-0758    EA    50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-VVW-B16K).....	1,928.97	52.15
<b>26 05 19 16-0759</b> <b>Extension Cords For Cable Reel</b> <small>(26 05 19 16-0751)</small>		
26 05 19 16-0760    EA    100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord.....	188.62	
26 05 19 16-0761    EA    100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord.....	269.59	
<b>26 05 19 16-0762</b> <b>Plugs And Connector Bodies</b> <small>(26 05 19 16-0751)</small>		
	<i>Note: Up to 277 volt</i>	
<b>26 05 19 16-0763</b> <b>NEMA Twist-Lock Plugs</b> <small>(26 05 19 16-0762)</small>		
26 05 19 16-0764    EA    15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	73.53	
26 05 19 16-0765    EA    15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	75.17	
26 05 19 16-0766    EA    20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	68.25	
26 05 19 16-0767    EA    20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331).....	73.32	
26 05 19 16-0768    EA    20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411).....	97.09	
26 05 19 16-0769    EA    20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441).....	103.53	
26 05 19 16-0770    EA    20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK).....	109.84	
26 05 19 16-0771    EA    30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK).....	98.05	
26 05 19 16-0772    EA    30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK).....	113.53	
26 05 19 16-0773    EA    30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761).....	116.55	
26 05 19 16-0774    EA    30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK).....	120.39	
<b>26 05 19 16-0775</b> <b>NEMA Twist-Lock Connector Bodies</b> <small>(26 05 19 16-0762)</small>		
26 05 19 16-0776    EA    15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C).....	78.18	
26 05 19 16-0777    EA    15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C).....	84.01	
26 05 19 16-0778    EA    20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C).....	71.74	
26 05 19 16-0779    EA    20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK).....	98.05	
26 05 19 16-0780    EA    20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK).....	115.04	
26 05 19 16-0781    EA    20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443).....	123.26	
26 05 19 16-0782    EA    20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK).....	150.94	
26 05 19 16-0783    EA    30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK).....	143.95	
26 05 19 16-0784    EA    30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK).....	178.62	
26 05 19 16-0785    EA    30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753).....	187.80	
26 05 19 16-0786    EA    30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK).....	177.80	
<b>26 05 19 16-0787</b> <b>Watertight Pin And Sleeve Plug</b> <small>(26 05 19 16-0762)</small>		
26 05 19 16-0788    EA    20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W).....	259.93	31.29
26 05 19 16-0789    EA    20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W).....	262.79	31.29
26 05 19 16-0790    EA    20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W).....	285.01	31.29
26 05 19 16-0791    EA    20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W).....	284.57	34.42
26 05 19 16-0792    EA    20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W).....	280.26	34.42
26 05 19 16-0793    EA    20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W).....	281.54	34.42
26 05 19 16-0794    EA    30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W).....	399.21	38.49
26 05 19 16-0795    EA    30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W).....	388.47	38.49
26 05 19 16-0796    EA    30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W).....	434.58	38.49
26 05 19 16-0797    EA    30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W).....	425.68	42.25
26 05 19 16-0798    EA    30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W).....	407.04	42.25
26 05 19 16-0799    EA    30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W).....	419.86	42.25
26 05 19 16-0800    EA    60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W).....	543.07	50.07
26 05 19 16-0801    EA    60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W).....	553.29	50.07
26 05 19 16-0802    EA    60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W).....	529.05	50.07
26 05 19 16-0803    EA    60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W).....	602.90	55.70
26 05 19 16-0804    EA    60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W).....	586.99	55.70
26 05 19 16-0805    EA    60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W).....	593.87	55.70
26 05 19 16-0806    EA    100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W).....	747.07	62.59
26 05 19 16-0807    EA    100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W).....	786.56	62.59
26 05 19 16-0808    EA    100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W).....	764.56	68.85
26 05 19 16-0809    EA    100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W).....	751.08	68.85
26 05 19 16-0810    EA    100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W).....	758.36	68.85
<b>26 05 19 16-0811</b> <b>Watertight Pin And Sleeve Connector</b> <small>(26 05 19 16-0762)</small>		
26 05 19 16-0812    EA    20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W).....	276.39	31.29
26 05 19 16-0813    EA    20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W).....	278.37	31.29
26 05 19 16-0814    EA    20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W).....	329.55	31.29

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 19 Low-Voltage Electrical Power Conductors and Cables**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0815	EA		20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W).....	326.04	34.42
26 05 19 16-0816	EA		20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W) .....	320.85	34.42
26 05 19 16-0817	EA		20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W) .....	325.55	34.42
26 05 19 16-0818	EA		30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W) .....	409.04	38.49
26 05 19 16-0819	EA		30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W) .....	408.93	38.49
26 05 19 16-0820	EA		30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W) .....	426.58	38.49
26 05 19 16-0821	EA		30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W).....	420.89	42.25
26 05 19 16-0822	EA		30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W) .....	424.53	42.25
26 05 19 16-0823	EA		30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W) .....	420.69	42.25
26 05 19 16-0824	EA		60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W) .....	643.94	50.07
26 05 19 16-0825	EA		60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W) .....	622.33	50.07
26 05 19 16-0826	EA		60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W) .....	609.44	50.07
26 05 19 16-0827	EA		60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W).....	662.94	55.70
26 05 19 16-0828	EA		60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W) .....	681.73	55.70
26 05 19 16-0829	EA		60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W) .....	683.10	55.70
26 05 19 16-0830	EA		100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W) .....	857.72	62.59
26 05 19 16-0831	EA		100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W) .....	882.51	62.59
26 05 19 16-0832	EA		100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W).....	953.27	68.85
26 05 19 16-0833	EA		100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W) .....	919.22	68.85
26 05 19 16-0834	EA		100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W) .....	930.83	68.85

**26 05 19 16-0835 Accessories** (26 05 19 16-0751)

26 05 19 16-0836	EA		1/2" Straight Steel Cord Connector .....	56.29	10.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 19 16-0837	EA		1/2" Straight Nylon Cord Connector .....	33.36	7.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 19 16-0838	EA		1/2" 90 Degree Steel Cord Connector.....	64.16	13.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82	
26 05 19 16-0839	EA		1/2" 90 Degree Nylon Cord Connector.....	39.90	10.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 19 16-0840	EA		1/2" Straight Steel Cord Connector With Strain Relief Mesh.....	63.28	13.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82	
26 05 19 16-0841	EA		1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh .....	111.25	15.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.39	
26 05 19 16-0842	EA		1/2" Straight Nylon Cord Connector With Strain Relief Mesh.....	39.22	10.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 19 16-0843	EA		1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh .....	67.38	13.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82	
26 05 19 16-0844	EA		3/4" Straight Steel Cord Connector .....	58.78	10.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 19 16-0845	EA		3/4" Straight Nylon Cord Connector.....	34.61	7.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 19 16-0846	EA		3/4" 90 Degree Steel Cord Connector.....	71.95	13.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82	
26 05 19 16-0847	EA		3/4" 90 Degree Nylon Cord Connector.....	43.79	10.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 19 16-0848	EA		3/4" Straight Steel Cord Connector With Strain Relief Mesh.....	71.11	15.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.39	
26 05 19 16-0849	EA		3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh .....	84.67	18.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.95	
26 05 19 16-0850	EA		3/4" Straight Nylon Cord Connector With Strain Relief Mesh.....	47.06	13.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82	
26 05 19 16-0851	EA		3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh .....	56.87	15.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.39	
26 05 19 16-0852	EA		1" Straight Steel Cord Connector.....	74.78	10.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 19 16-0853	EA		1" Straight Nylon Cord Connector.....	42.61	7.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 19 16-0854	EA		1" 90 Degree Steel Cord Connector .....	82.51	13.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82	
26 05 19 16-0855	EA		1" 90 Degree Nylon Cord Connector .....	49.08	10.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 19 16-0856	EA		1" Straight Steel Cord Connector With Strain Relief Mesh.....	87.91	15.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.39	
26 05 19 16-0857	EA		1" 90 Degree Steel Cord Connector With Strain Relief Mesh .....	95.76	18.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.95	
26 05 19 16-0858	EA		1" Straight Nylon Cord Connector With Strain Relief Mesh.....	55.58	13.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82	
26 05 19 16-0859	EA		1" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	64.08	15.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.39	

**26 05 23 Control-Voltage Electrical Power Cables** (26 05)

26 05 23 00-0001			<b>Cable For HVAC System Controls</b> <small>(26 05 23)</small>		
26 05 23 00-0002			<b>Low Voltage Thermostat Cable To 300 Volt</b> <small>(26 05 23 00-0001)</small>		
			<i>Note: For surface or conduit installation.</i>		
26 05 23 00-0003	MLF		#20/2 Conductor, Low Volt Thermostat Cable .....	447.46	121.50
26 05 23 00-0004	MLF		#20/3 Conductor, Low Volt Thermostat Cable .....	519.21	127.98
26 05 23 00-0005	MLF		#20/4 Conductor, Low Volt Thermostat Cable .....	565.44	135.31
26 05 23 00-0006	MLF		#20/5 Conductor, Low Volt Thermostat Cable .....	695.12	141.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 23 00-0007 MLF #20/6 Conductor, Low Volt Thermostat Cable .....	730.46	147.70
26 05 23 00-0008 MLF #20/7 Conductor, Low Volt Thermostat Cable .....	809.13	153.84
26 05 23 00-0009 MLF #20/8 Conductor, Low Volt Thermostat Cable .....	876.63	159.99
26 05 23 00-0010 MLF #20/9 Conductor, Low Volt Thermostat Cable .....	957.53	166.38
26 05 23 00-0011 MLF #20/10 Conductor, Low Volt Thermostat Cable .....	1,036.17	171.37
26 05 23 00-0012 MLF #18/2 Conductor, Low Volt Thermostat Cable .....	494.19	121.50
26 05 23 00-0013 MLF #18/3 Conductor, Low Volt Thermostat Cable .....	602.58	127.98
26 05 23 00-0014 MLF #18/4 Conductor, Low Volt Thermostat Cable .....	697.70	135.31
26 05 23 00-0015 MLF #18/5 Conductor, Low Volt Thermostat Cable .....	749.72	141.03
26 05 23 00-0016 MLF #18/6 Conductor, Low Volt Thermostat Cable .....	840.13	147.70
26 05 23 00-0017 MLF #18/7 Conductor, Low Volt Thermostat Cable .....	859.48	153.84
26 05 23 00-0018 MLF #18/8 Conductor, Low Volt Thermostat Cable .....	953.48	159.99
26 05 23 00-0019 MLF #18/9 Conductor, Low Volt Thermostat Cable .....	1,141.92	166.38
26 05 23 00-0020 MLF #18/10 Conductor, Low Volt Thermostat Cable .....	1,263.60	171.37

### 26 05 26 Grounding and Bonding for Electrical Systems (26 05)

#### 26 05 26 00-0001 Conductors, Straps And Conduit Jumpers (26 05 26)

##### 26 05 26 00-0002 Single Conductor (26 05 26 00-0001)

##### 26 05 26 00-0003 Copper Bare Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0004 MLF 12 AWG Copper Bare Single Stranded Conductor .....	596.39	197.80
26 05 26 00-0005 MLF 10 AWG Copper Bare Single Stranded Conductor .....	817.29	197.80
26 05 26 00-0006 MLF 8 AWG Copper Bare Single Stranded Conductor .....	1,038.98	238.26
26 05 26 00-0007 MLF 6 AWG Copper Bare Single Stranded Conductor .....	1,487.30	238.26
26 05 26 00-0008 MLF 4 AWG Copper Bare Single Stranded Conductor .....	2,047.85	287.71
26 05 26 00-0009 MLF 2 AWG Copper Bare Single Stranded Conductor .....	3,311.63	287.71
26 05 26 00-0010 MLF 1 AWG Copper Bare Single Stranded Conductor .....	3,856.53	346.15
26 05 26 00-0011 MLF 1/0 AWG Copper Bare Single Stranded Conductor .....	4,531.87	346.15
26 05 26 00-0012 MLF 2/0 AWG Copper Bare Single Stranded Conductor .....	6,433.20	436.06
26 05 26 00-0013 MLF 3/0 AWG Copper Bare Single Stranded Conductor .....	7,972.33	436.06
26 05 26 00-0014 MLF 4/0 AWG Copper Bare Single Stranded Conductor .....	8,404.87	579.92
26 05 26 00-0015 MLF 250 MCM Copper Bare Single Stranded Conductor .....	10,883.38	579.92
26 05 26 00-0016 MLF 300 MCM Copper Bare Single Stranded Conductor .....	10,882.66	669.83
26 05 26 00-0017 MLF 350 MCM Copper Bare Single Stranded Conductor .....	14,809.73	669.83
26 05 26 00-0018 MLF 500 MCM Copper Bare Single Stranded Conductor .....	20,309.06	827.16

##### 26 05 26 00-0019 Copper Insulated Single Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0020 MLF 12 AWG Copper Insulated Single Stranded Conductor .....	1,219.74	269.73
26 05 26 00-0021 MLF 10 AWG Copper Insulated Single Stranded Conductor .....	1,269.91	269.73
26 05 26 00-0022 MLF 8 AWG Copper Insulated Single Stranded Conductor .....	1,655.89	269.73
26 05 26 00-0023 MLF 6 AWG Copper Insulated Single Stranded Conductor .....	1,851.55	467.52
26 05 26 00-0024 MLF 4 AWG Copper Insulated Single Stranded Conductor .....	2,558.47	467.52
26 05 26 00-0025 MLF 2 AWG Copper Insulated Single Stranded Conductor .....	3,685.55	467.52
26 05 26 00-0026 MLF 1 AWG Copper Insulated Single Stranded Conductor .....	4,493.17	818.17
26 05 26 00-0027 MLF 1/0 AWG Copper Insulated Single Stranded Conductor .....	5,520.30	818.17
26 05 26 00-0028 MLF 2/0 AWG Copper Insulated Single Stranded Conductor .....	6,529.70	818.17
26 05 26 00-0029 MLF 3/0 AWG Copper Insulated Single Stranded Conductor .....	7,850.14	818.17
26 05 26 00-0030 MLF 4/0 AWG Copper Insulated Single Stranded Conductor .....	9,321.11	1,069.91
26 05 26 00-0031 MLF 250 MCM Copper Insulated Single Stranded Conductor .....	11,364.34	1,069.91
26 05 26 00-0032 MLF 300 MCM Copper Insulated Single Stranded Conductor .....	13,303.27	1,069.91
26 05 26 00-0033 MLF 350 MCM Copper Insulated Single Stranded Conductor .....	15,422.56	1,663.32
26 05 26 00-0034 MLF 500 MCM Copper Insulated Single Stranded Conductor .....	20,325.57	1,663.32

##### 26 05 26 00-0035 Copper Bare Single Solid Conductors (26 05 26 00-0002)

26 05 26 00-0036 MLF 12 AWG Copper Bare Single Solid Conductor .....	596.39	197.80
26 05 26 00-0037 MLF 10 AWG Copper Bare Single Solid Conductor .....	817.29	197.80
26 05 26 00-0038 MLF 8 AWG Copper Bare Single Solid Conductor .....	1,038.98	238.26
26 05 26 00-0039 MLF 6 AWG Copper Bare Single Solid Conductor .....	1,487.30	238.26
26 05 26 00-0040 MLF 4 AWG Copper Bare Single Solid Conductor .....	2,047.85	287.71
26 05 26 00-0041 MLF 2 AWG Copper Bare Single Solid Conductor .....	3,311.63	287.71
26 05 26 00-0042 MLF 1/0 AWG Copper Bare Single Solid Conductor .....	4,531.87	346.15
26 05 26 00-0043 MLF 4/0 AWG Copper Bare Single Solid Conductor .....	8,404.87	458.53

##### 26 05 26 00-0044 Aluminum Bare Single Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0045 MLF 8 AWG Aluminum Bare Single Stranded Conductor .....	518.34	238.26
26 05 26 00-0046 MLF 6 AWG Aluminum Bare Single Stranded Conductor .....	559.11	238.26
26 05 26 00-0047 MLF 4 AWG Aluminum Bare Single Stranded Conductor .....	621.52	287.71
26 05 26 00-0048 MLF 2 AWG Aluminum Bare Single Stranded Conductor .....	744.96	287.71
26 05 26 00-0049 MLF 1 AWG Aluminum Bare Single Stranded Conductor .....	825.68	346.15
26 05 26 00-0050 MLF 1/0 AWG Aluminum Bare Single Stranded Conductor .....	945.17	346.15
26 05 26 00-0051 MLF 2/0 AWG Aluminum Bare Single Stranded Conductor .....	1,070.58	436.06
26 05 26 00-0052 MLF 3/0 AWG Aluminum Bare Single Stranded Conductor .....	1,212.03	436.06
26 05 26 00-0053 MLF 4/0 AWG Aluminum Bare Single Stranded Conductor .....	1,450.33	579.92
26 05 26 00-0054 MLF 250 MCM Aluminum Bare Single Stranded Conductor .....	1,600.28	579.92
26 05 26 00-0055 MLF 300 MCM Aluminum Bare Single Stranded Conductor .....	1,825.95	669.83

**26 Electrical****26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0056 MLF 350 MCM Aluminum Bare Single Stranded Conductor.....	2,024.46	669.83
26 05 26 00-0057 MLF 500 MCM Aluminum Bare Single Stranded Conductor.....	2,400.54	827.16
<b>26 05 26 00-0058 Aluminum Bare Single Solid Conductors (26 05 26 00-0002)</b>		
26 05 26 00-0059 MLF 8 AWG Aluminum Bare Single Solid Conductor.....	518.34	238.26
26 05 26 00-0060 MLF 6 AWG Aluminum Bare Single Solid Conductor.....	559.11	238.26
26 05 26 00-0061 MLF 4 AWG Aluminum Bare Single Solid Conductor.....	621.52	287.71
26 05 26 00-0062 MLF 2 AWG Aluminum Bare Single Solid Conductor.....	744.96	287.71
26 05 26 00-0063 MLF 1 AWG Aluminum Bare Single Solid Conductor.....	789.38	458.53
26 05 26 00-0064 MLF 1/0 AWG Aluminum Bare Single Solid Conductor.....	945.17	458.53
26 05 26 00-0065 MLF 2/0 AWG Aluminum Bare Single Solid Conductor.....	980.70	436.06
26 05 26 00-0066 MLF 3/0 AWG Aluminum Bare Single Solid Conductor.....	1,031.04	436.06
26 05 26 00-0067 MLF 4/0 AWG Aluminum Bare Single Solid Conductor.....	1,450.33	579.92
26 05 26 00-0068 MLF 250 MCM Aluminum Bare Single Solid Conductor.....	1,600.28	579.92
26 05 26 00-0069 MLF 300 MCM Aluminum Bare Single Solid Conductor.....	1,825.95	669.83
26 05 26 00-0070 MLF 350 MCM Aluminum Bare Single Solid Conductor.....	2,024.46	669.83
26 05 26 00-0071 MLF 500 MCM Aluminum Bare Single Solid Conductor.....	2,400.54	827.16
<b>26 05 26 00-0072 Aluminum Smooth Woven Conductors (26 05 26 00-0002)</b>		
26 05 26 00-0073 LF 10 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	2.56	0.72
26 05 26 00-0074 LF 16 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	2.83	0.79
26 05 26 00-0075 LF 24 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	3.38	0.91
26 05 26 00-0076 LF 26 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	3.39	0.93
26 05 26 00-0077 LF 28 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	3.56	0.97
<b>26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap (26 05 26 00-0001)</b>		
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.		
26 05 26 00-0079 EA 100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	125.98	26.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	15.65	
26 05 26 00-0080 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	219.49	31.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	18.78	
26 05 26 00-0081 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length.....	282.31	31.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	18.78	
26 05 26 00-0082 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length.....	344.27	31.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	18.78	
26 05 26 00-0083 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	295.95	33.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	23.47	
26 05 26 00-0084 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length.....	386.32	33.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	23.47	
26 05 26 00-0085 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length.....	464.84	33.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	23.47	
26 05 26 00-0086 EA 600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	386.44	43.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	25.82	
26 05 26 00-0087 EA 800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	464.65	52.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	31.29	
<b>26 05 26 00-0088 Bonding Jumper For Metallic Conduit (26 05 26 00-0001)</b>		
26 05 26 00-0089 EA 1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit.....	165.01	57.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	32.60	
26 05 26 00-0090 EA 1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit.....	203.29	57.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	40.12	
26 05 26 00-0091 EA 2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit.....	300.91	88.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	47.42	
26 05 26 00-0092 EA 5" To 6" Conductor, Bonding Jumper, Metallic Conduit.....	448.10	88.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	57.95	
<b>26 05 26 00-0093 Ground Rods (26 05 26)</b>		
<b>26 05 26 00-0094 Copper-Clad Ground Rods (26 05 26 00-0093)</b>		
26 05 26 00-0095 EA 1/2" Diameter x 8' Long Copper-Clad Ground Rods.....	85.85	78.23
26 05 26 00-0096 EA 5/8" Diameter x 8' Long Copper-Clad Ground Rods.....	89.07	78.23
26 05 26 00-0097 EA 3/4" Diameter x 8' Long Copper-Clad Ground Rods.....	102.08	78.23
26 05 26 00-0098 EA 1/2" Diameter x 10' Long Copper-Clad Ground Rods.....	100.80	78.23
26 05 26 00-0099 EA 5/8" Diameter x 10' Long Copper-Clad Ground Rods.....	104.83	78.23
26 05 26 00-0100 EA 3/4" Diameter x 10' Long Copper-Clad Ground Rods.....	121.09	78.23
<b>26 05 26 00-0101 Copper Grounding Shaft (26 05 26 00-0093)</b>		
26 05 26 00-0102 EA 2-1/8" Diameter x 10' Long Copper Grounding Shaft.....	332.57	78.23
26 05 26 00-0103 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft.....	415.66	78.23
26 05 26 00-0104 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft.....	654.35	78.23
<b>26 05 26 00-0105 Ground Access Wells (26 05 26 00-0093)</b>		
<b>26 05 26 00-0106 Precast Ground Access Wells (26 05 26 00-0105)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0107 EA 8" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	260.70	
26 05 26 00-0108 EA 10" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	269.92	
26 05 26 00-0109 EA 12" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	795.95	
26 05 26 00-0110 EA 18" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	805.17	
<b>26 05 26 00-0111 Polyvinyl Chloride (PVC) Ground Access Well</b> <small>(26 05 26 00-0105)</small>		
26 05 26 00-0112 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well ..... Note: Schedule 40 with cast iron grated cover.	446.40	
26 05 26 00-0113 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well ..... Note: Schedule 40 with cast iron grated cover.	524.26	
26 05 26 00-0114 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well ..... Note: Schedule 40 with cast iron grated cover.	971.42	
26 05 26 00-0115 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well ..... Note: Schedule 40 with flat steel cover.	426.80	
26 05 26 00-0116 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well ..... Note: Schedule 40 with flat steel cover.	500.21	
26 05 26 00-0117 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well ..... Note: Schedule 40 with flat steel cover.	931.72	
26 05 26 00-0118 EA 8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	240.07	
26 05 26 00-0119 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well ..... Note: Schedule 40 with flat steel cover.	256.79	
26 05 26 00-0120 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well ..... Note: Schedule 40 with flat steel cover.	271.24	
26 05 26 00-0121 EA 8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	185.23	
26 05 26 00-0122 EA 10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	272.60	
26 05 26 00-0123 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	479.16	
26 05 26 00-0124 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	635.71	
26 05 26 00-0125 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	386.29	
26 05 26 00-0126 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	559.81	
26 05 26 00-0127 EA 10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	591.63	
26 05 26 00-0128 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	720.65	
26 05 26 00-0129 EA 12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	320.19	
26 05 26 00-0130 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	557.42	
26 05 26 00-0131 EA 12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	599.95	
<b>26 05 26 00-0132 Polymer Concrete Ground Access Well</b> <small>(26 05 26 00-0105)</small>		
26 05 26 00-0133 EA 12" x 12" x 12" Polymer Concrete Ground Access Well.....	501.22	
26 05 26 00-0134 EA 12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well.....	550.27	
26 05 26 00-0135 EA 12" x 12" x 18" Polymer Concrete Ground Access Well.....	552.57	
26 05 26 00-0136 EA 12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	606.57	
26 05 26 00-0137 EA 12" x 12" x 24" Polymer Concrete Ground Access Well.....	605.90	
26 05 26 00-0138 EA 12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well.....	665.30	
26 05 26 00-0139 EA 13" x 24" x 18" Polymer Concrete Ground Access Well.....	810.00	
26 05 26 00-0140 EA 13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	891.05	
<b>26 05 26 00-0141 High Density Polyethylene (HDPE) Ground Access Well</b> <small>(26 05 26 00-0105)</small>		
26 05 26 00-0142 EA 9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well..... Note: With cover.	180.32	
26 05 26 00-0143 EA 14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well..... Note: With cover.	251.94	
<b>26 05 26 00-0144 Clay Tile Ground Access Wells</b> <small>(26 05 26 00-0105)</small>		
26 05 26 00-0145 EA 8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover.....	285.40	
26 05 26 00-0146 EA 8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover.....	300.46	
26 05 26 00-0147 EA Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well.....	92.08	
<b>26 05 26 00-0148 Ground Rod Clamps And Fittings</b> <small>(26 05 26)</small>		
<b>26 05 26 00-0149 Bronze Ground Rod Clamp</b> <small>(26 05 26 00-0148)</small>		
26 05 26 00-0150 EA 1/2" Bronze Ground Rod Clamp.....	20.21	11.79
26 05 26 00-0151 EA 5/8" Bronze Ground Rod Clamp.....	21.03	11.79
26 05 26 00-0152 EA 3/4" Bronze Ground Rod Clamp.....	22.18	11.79

**26 Electrical****26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 26 00-0153 Bronze Pipe Clamps</b> <small>(26 05 26 00-0148)</small>		
26 05 26 00-0154 EA 1/2" To 1" Bronze Pipe Ground Clamps.....	28.85	19.61
26 05 26 00-0155 EA 1-1/4" To 2" Bronze Ground Clamps For Pipe .....	37.43	23.47
26 05 26 00-0156 EA 2-1/2" To 3" Bronze Ground Clamps For Pipe .....	59.57	27.43
26 05 26 00-0157 EA 2-1/2" To 4" Bronze Ground Clamps For Pipe .....	71.99	35.26
26 05 26 00-0158 EA 4" To 6" Bronze Ground Clamps For Pipe .....	111.75	50.90
<b>26 05 26 00-0159 Grounding Fittings</b> <small>(26 05 26 00-0148)</small>		
<b>26 05 26 00-0160 Embedded Fittings</b> <small>(26 05 26 00-0159)</small>		
26 05 26 00-0161 EA Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded.....	135.92	
26 05 26 00-0162 EA Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded .....	143.29	
26 05 26 00-0163 EA Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded .....	156.35	
26 05 26 00-0164 EA #8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice.....	136.78	
26 05 26 00-0165 EA 1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice.....	163.93	
26 05 26 00-0166 EA 4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice.....	192.15	
26 05 26 00-0167 EA 350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice.....	216.21	
<b>26 05 26 00-0168 Ground Rod Receptacle</b> <small>(26 05 26 00-0159)</small>		
26 05 26 00-0169 EA 1/2" Ground Rod Receptacle .....	292.08	108.48
26 05 26 00-0170 EA 5/8" Ground Rod Receptacle .....	304.63	111.54
26 05 26 00-0171 EA 3/4" Ground Rod Receptacle .....	317.52	114.57
<b>26 05 26 00-0172 Ground Kits For Circuit Breaker Panels</b> <small>(26 05 26 00-0159)</small>		
26 05 26 00-0173 EA 14-8 AWG Copper Ground Kit .....	66.02	26.08
26 05 26 00-0174 EA 12-8 AWG Aluminum Ground Kit .....	67.69	26.08
26 05 26 00-0175 EA 14-4 AWG Copper Ground Kit .....	72.21	26.08
26 05 26 00-0176 EA 12-4 AWG Aluminum Ground Kit .....	78.57	26.08
<b>26 05 26 00-0177 Insulated Grounding Bars</b> <small>(26 05 26 00-0148)</small>		
26 05 26 00-0178 EA 1/2" x 4" x 10" Insulated Ground Bar.....	265.40	26.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>46.94</i>	
26 05 26 00-0179 EA Insulated Ground Bar SK 9560 1/2" x 4" x 20" .....	277.36	26.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>46.94</i>	
<b>26 05 26 00-0180 Ground Conductor Bonding</b> <small>(26 05 26)</small>		
<b>26 05 26 00-0181 Ground Conductor Bonding</b> <small>(26 05 26 00-0180)</small>		
<b>26 05 26 00-0182 Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld</b> <small>(26 05 26 00-0181)</small>		
26 05 26 00-0183 EA Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel .....	122.71	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0184 EA #4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	133.14	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0185 EA 1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	143.57	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0186 EA 250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel .....	206.16	
Note: Includes molds, materials and all necessary tools to make connections.		
<b>26 05 26 00-0187 Tee, Wye Or Cross Cadweld</b> <small>(26 05 26 00-0181)</small>		
26 05 26 00-0188 EA Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross.....	138.36	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0189 EA #4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross .....	159.21	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0190 EA 1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross .....	195.73	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0191 EA 250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross.....	237.45	
Note: Includes molds, materials and all necessary tools to make connections.		
<b>26 05 26 00-0192 Grounding Equipment</b> <small>(26 05 26)</small>		
<b>26 05 26 00-0193 Special Grounding Equipment</b> <small>(26 05 26 00-0192)</small>		
<b>26 05 26 00-0194 Ground Reels And Ground Bus</b> <small>(26 05 26 00-0193)</small>		
26 05 26 00-0195 EA Ground Reel With 50' Of Galvanized Steel Cable.....	583.40	
<b>26 05 26 00-0196 Copper Bars</b> <small>(26 05 26 00-0193)</small>		
26 05 26 00-0197 LF 1/4" x 2" Copper Bar .....	34.34	
<b>26 05 26 00-0198 Phenolic Insulators</b> <small>(26 05 26 00-0193)</small>		
26 05 26 00-0199 EA 2" x 2" x 1" Long Phenolic Insulators .....	26.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>6.26</i>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 26 00-0200 Grounding Studs</b> <small>(26 05 26 00-0193)</small>		
26 05 26 00-0201 EA Ball Grounding Stud..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.40 9.34	
<b>26 05 26 00-0202 Equipment Ground Bar Kits</b> <small>(26 05 26 00-0193)</small>		
26 05 26 00-0203 EA Switch Rating 30 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.18 6.26	
26 05 26 00-0204 EA Switch Rating 60 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.65 6.89	
26 05 26 00-0205 EA Switch Rating 100 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.60 7.82	
26 05 26 00-0206 EA Switch Rating 200 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.50 9.39	
<b>26 05 26 00-0207 Panelboard Ground Bar Kits</b> <small>(26 05 26 00-0193)</small>		
26 05 26 00-0208 EA Panelboard Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.35 7.82	7.82
<b>26 05 26 00-0209 Circuit Breaker Ground Bar Kits</b> <small>(26 05 26 00-0193)</small>		
26 05 26 00-0210 EA 3 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.97 4.70	4.69
26 05 26 00-0211 EA 4 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.59 4.70	4.69
26 05 26 00-0212 EA 7 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.23 4.70	4.69
26 05 26 00-0213 EA 12 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.47 5.32	5.32
26 05 26 00-0214 EA 20 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.22 5.95	5.95
26 05 26 00-0215 EA 24 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.46 6.57	6.57
26 05 26 00-0216 EA 30 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.60 7.51	7.51
26 05 26 00-0217 EA 54 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.71 8.76	8.76
26 05 26 00-0218 EA 24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.39 6.57	6.57
26 05 26 00-0219 EA 30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.56 7.51	7.51
26 05 26 00-0220 EA 54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.79 8.76	8.76
<b>26 05 29 Hangers and Supports for Electrical Systems</b> <small>(26 05)</small>		
<b>26 05 29 00-0001 Metal Framing Channel And Fittings</b> <small>(26 05 29)</small>		
<b>26 05 29 00-0002 Metal Framing Channel</b> <small>(26 05 29 00-0001)</small> Note: Excludes fasteners and accessories.		
<b>26 05 29 00-0003 14 Gauge Metal Framing Channels</b> <small>(26 05 29 00-0002)</small>		
<b>26 05 29 00-0004 14 Gauge, Steel Unistrut Channel</b> <small>(26 05 29 00-0003)</small>		
26 05 29 00-0005 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	19.30	5.72
26 05 29 00-0006 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	22.40	5.72
26 05 29 00-0007 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	10.26	2.15
<b>26 05 29 00-0008 14 Gauge, 304 Stainless Steel Unistrut Channel</b> <small>(26 05 29 00-0003)</small>		
26 05 29 00-0009 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	32.94	5.72
26 05 29 00-0010 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	36.54	5.72
26 05 29 00-0011 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	49.68	5.72
26 05 29 00-0012 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	56.87	5.72
26 05 29 00-0013 LF >2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	23.89	2.16
26 05 29 00-0014 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	27.49	2.16
<b>26 05 29 00-0015 14 Gauge, 316 Stainless Steel Unistrut Channel</b> <small>(26 05 29 00-0003)</small>		
26 05 29 00-0016 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	48.47	5.72
26 05 29 00-0017 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	80.75	5.72
26 05 29 00-0018 LF >2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	39.42	2.16
<b>26 05 29 00-0019 12 Gauge Metal Framing Channels</b> <small>(26 05 29 00-0002)</small>		
<b>26 05 29 00-0020 12 Gauge, Steel Unistrut Channel</b> <small>(26 05 29 00-0019)</small>		
26 05 29 00-0021 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	20.76	5.72

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0022 EA Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel .....	20.26	5.72
26 05 29 00-0023 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel .....	19.94	5.72
26 05 29 00-0024 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel .....	25.31	5.72
26 05 29 00-0025 EA >1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel .....	24.33	5.72
26 05 29 00-0026 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel .....	23.69	5.72
26 05 29 00-0027 LF >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel .....	11.72	2.15
26 05 29 00-0028 LF >2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel .....	11.22	2.15
26 05 29 00-0029 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel .....	10.90	2.15
<b>26 05 29 00-0030 12 Gauge, 304 Stainless Steel Unistrut Channel</b> <small>(26 05 29 00-0019)</small>		
26 05 29 00-0031 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	37.73	5.72
26 05 29 00-0032 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	43.93	5.72
26 05 29 00-0033 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	59.26	5.72
26 05 29 00-0034 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	71.67	5.72
26 05 29 00-0035 LF >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	28.69	2.15
26 05 29 00-0036 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	34.89	2.15
<b>26 05 29 00-0037 Metal Framing Channel Fittings</b> <small>(26 05 29 00-0001)</small>		
<b>26 05 29 00-0038 Unistrut Channel Closure Strips And Caps</b> <small>(26 05 29 00-0037)</small>		
<b>26 05 29 00-0039 Steel Unistrut Channel Closure Strips And Caps</b> <small>(26 05 29 00-0038)</small>		
26 05 29 00-0040 LF Steel Raceway Closure Strip, Unistrut Channel Fittings .....	6.01	0.52
26 05 29 00-0041 EA Steel End Cap, Unistrut Channel Fittings .....	12.41	5.22
<b>26 05 29 00-0042 Stainless Steel Unistrut Channel Closure Strips And Caps</b> <small>(26 05 29 00-0038)</small>		
26 05 29 00-0043 EA Stainless Steel End Cap For Unistrut Channel .....	19.74	5.22
<b>26 05 29 00-0044 Flat Splice Plate, Unistrut Channel Fittings</b> <small>(26 05 29 00-0037)</small>		
<b>26 05 29 00-0045 Steel Flat Splice Plate, Unistrut Channel Fittings</b> <small>(26 05 29 00-0044)</small>		
26 05 29 00-0046 EA 2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting .....	5.93	
26 05 29 00-0047 EA 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting .....	5.89	
26 05 29 00-0048 EA 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting .....	7.17	
<b>26 05 29 00-0049 Stainless Steel Flat Splice Plate, Unistrut Channel Fittings</b> <small>(26 05 29 00-0044)</small>		
26 05 29 00-0050 EA 2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting .....	17.17	
26 05 29 00-0051 EA 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting .....	25.61	
26 05 29 00-0052 EA 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting .....	32.75	
<b>26 05 29 00-0053 90 Degree Angle, Unistrut Channel Fittings</b> <small>(26 05 29 00-0037)</small>		
<b>26 05 29 00-0054 Steel 90 Degree Angle, Unistrut Channel Fittings</b> <small>(26 05 29 00-0053)</small>		
26 05 29 00-0055 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	5.73	
26 05 29 00-0056 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	4.79	
26 05 29 00-0057 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	8.30	
26 05 29 00-0058 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	8.19	
<b>26 05 29 00-0059 Stainless Steel 90 Degree Angle, Unistrut Channel Fittings</b> <small>(26 05 29 00-0053)</small>		
26 05 29 00-0060 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....	9.77	
26 05 29 00-0061 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....	12.25	
26 05 29 00-0062 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....	10.37	
26 05 29 00-0063 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....	14.78	
26 05 29 00-0064 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....	13.50	
26 05 29 00-0065 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....	25.02	
26 05 29 00-0066 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....	14.20	
26 05 29 00-0067 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....	20.65	
<b>26 05 29 00-0068 60 Degree Angle, Unistrut Channel Fittings</b> <small>(26 05 29 00-0037)</small>		
<b>26 05 29 00-0069 Steel 60 Degree Angle, Unistrut Channel Fittings</b> <small>(26 05 29 00-0068)</small>		
26 05 29 00-0070 EA 2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting .....	11.89	
<b>26 05 29 00-0071 U-Connector, Unistrut Channel Fittings</b> <small>(26 05 29 00-0037)</small>		
<b>26 05 29 00-0072 Steel, U-Connector, Unistrut Channel Fittings</b> <small>(26 05 29 00-0071)</small>		
26 05 29 00-0073 EA 3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting .....	4.18	
26 05 29 00-0074 EA 5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting .....	4.67	
<b>26 05 29 00-0075 Stainless Steel, U-Connector, Unistrut Channel Fittings</b> <small>(26 05 29 00-0071)</small>		
26 05 29 00-0076 EA 5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting .....	20.50	





		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0077		Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0078		Steel Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0077)</small>		
26 05 29 00-0079	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting .....	12.20	
26 05 29 00-0080		Stainless Steel Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0077)</small>		
26 05 29 00-0081	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting.....	40.01	
26 05 29 00-0082		Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0037)</small>		
		Note: Includes hex screw and nut.		
26 05 29 00-0083		Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small>		
		Note: Includes hex screw and nut.		
26 05 29 00-0084	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	4.51	1.57
26 05 29 00-0085	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	4.53	1.57
26 05 29 00-0086	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	4.64	1.57
26 05 29 00-0087	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	5.84	2.09
26 05 29 00-0088	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	6.40	2.09
26 05 29 00-0089	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	6.46	2.09
26 05 29 00-0090	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	7.90	2.61
26 05 29 00-0091	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.40	2.61
26 05 29 00-0092	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.88	2.61
26 05 29 00-0093	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	9.05	2.61
26 05 29 00-0094		304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small>		
		Note: Includes hex screw and nut.		
26 05 29 00-0095	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	7.66	1.57
26 05 29 00-0096	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.60	1.57
26 05 29 00-0097	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	9.54	1.57
26 05 29 00-0098	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	11.83	2.09
26 05 29 00-0099	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	14.44	2.09
26 05 29 00-0100	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	15.13	2.09
26 05 29 00-0101	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	18.13	2.61
26 05 29 00-0102	EA	3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	20.46	2.61
26 05 29 00-0103	EA	3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	21.46	2.61
26 05 29 00-0104	EA	4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	25.15	2.61
26 05 29 00-0105		316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small>		
		Note: Includes hex screw and nut.		
26 05 29 00-0106	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.23	1.57
26 05 29 00-0107	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	9.56	1.57
26 05 29 00-0108	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	9.94	1.57
26 05 29 00-0109	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	12.01	2.09
26 05 29 00-0110	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	16.59	2.09
26 05 29 00-0111	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	16.82	2.09
26 05 29 00-0112	EA	2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	19.90	2.61
26 05 29 00-0113	EA	3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	21.08	2.61
26 05 29 00-0114	EA	3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	29.51	2.61
26 05 29 00-0115	EA	4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	34.66	2.61
26 05 29 00-0116		Beam Clamps, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0117		Steel Beam Clamps, Unistrut Channel Fittings <small>(26 05 29 00-0116)</small>		
26 05 29 00-0118	EA	Set Screw Beam Clamp, Steel Unistrut Channel Fitting .....	33.55	9.53
26 05 29 00-0119	EA	"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings .....	22.39	9.53
26 05 29 00-0120	EA	"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting .....	32.42	9.53
26 05 29 00-0121		304 Stainless Steel Beam Clamps, Unistrut Channel Fittings <small>(26 05 29 00-0116)</small>		
26 05 29 00-0122	EA	"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting.....	46.93	9.53
26 05 29 00-0123		Square Washers For Unistrut Channel <small>(26 05 29 00-0037)</small>		
26 05 29 00-0124		Steel Square Washers For Unistrut Channel <small>(26 05 29 00-0123)</small>		
26 05 29 00-0125	EA	1/2" Bolt Size, Steel, Square Washer For Unistrut Channel .....	4.18	
26 05 29 00-0126		Stainless Steel Square Washers For Unistrut Channel <small>(26 05 29 00-0123)</small>		
26 05 29 00-0127	EA	1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel.....	4.80	
26 05 29 00-0128	EA	1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel.....	6.09	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 29 00-0129		<b>Strut Braces, Unistrut Channel Fittings</b> (26 05 29 00-0037)			
26 05 29 00-0130	EA	16" Diagonal Steel Bar Brace For Unistrut Channel .....	33.57		
26 05 29 00-0131		<b>Trolley Hangers, Unistrut Channel Fittings</b> (26 05 29 00-0037)			
26 05 29 00-0132	EA	Steel Trolley Track Hanger For Unistrut Channel .....	41.68		
26 05 29 00-0133		<b>Lock Nuts With Spring For Unistrut Channel</b> (26 05 29 00-0037)			
		Note: Includes hex bolt.			
26 05 29 00-0134		<b>Steel Lock Nuts With Spring For Unistrut Channel</b> (26 05 29 00-0133)			
		Note: Includes hex bolt.			
26 05 29 00-0135	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel .....	7.14		
26 05 29 00-0136	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel .....	7.82		
26 05 29 00-0137	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel .....	8.33		
26 05 29 00-0138	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel .....	11.09		
26 05 29 00-0139		<b>Stainless Steel Lock Nuts With Spring For Unistrut Channel</b> (26 05 29 00-0133)			
		Note: Includes hex bolt.			
26 05 29 00-0140	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	14.08		
26 05 29 00-0141	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	14.95		
26 05 29 00-0142	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	20.98		
26 05 29 00-0143	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	35.56		
26 05 29 00-0144		<b>Lock Nuts Without Spring For Unistrut Channel</b> (26 05 29 00-0037)			
		Note: Includes hex bolt.			
26 05 29 00-0145		<b>Steel Lock Nuts Without Spring For Unistrut Channel</b> (26 05 29 00-0144)			
		Note: Includes hex bolt.			
26 05 29 00-0146	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel .....	7.16		
26 05 29 00-0147	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel .....	7.92		
26 05 29 00-0148	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel .....	8.37		
26 05 29 00-0149	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel .....	11.89		
26 05 29 00-0150		<b>Stainless Steel Lock Nuts Without Spring For Unistrut Channel</b> (26 05 29 00-0144)			
		Note: Includes hex bolt.			
26 05 29 00-0151	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	10.22		
26 05 29 00-0152	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	12.22		
26 05 29 00-0153	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	13.28		
26 05 29 00-0154	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	34.66		
26 05 29 00-0155		<b>Mounting Assemblies</b> (26 05 29)			
26 05 29 00-0156		<b>Galvanized Steel Mounting Assemblies</b> (26 05 29 00-0155)			
26 05 29 00-0157		<b>Galvanized Steel Back Plate</b> (26 05 29 00-0156)			
26 05 29 00-0158	EA	1/4" x 4' x 4', Galvanized Steel Back Plate, Painted.....	411.40	62.59	
26 05 29 00-0159	EA	3/8" x 14" x 16", Galvanized Steel Back Plate, Painted .....	102.42	20.86	
26 05 29 00-0160	EA	3/16" x 30" x 48", Galvanized Steel Back Plate, Painted .....	259.20	52.15	
26 05 29 00-0161		<b>Aluminum Mounting Assemblies</b> (26 05 29 00-0155)			
26 05 29 00-0162		<b>Aluminum Back Plate</b> (26 05 29 00-0161)			
26 05 29 00-0163	EA	3/16" x 2' x 2' Aluminum Back Plate.....	313.19	78.23	
26 05 29 00-0164	EA	3/16" x 4' x 4' Aluminum Back Plate.....	840.92	78.23	
26 05 29 00-0165		<b>Supports</b> (26 05 29)			
26 05 29 00-0166		<b>One Hole Steel Conduit Straps</b> (26 05 29 00-0165)			
26 05 29 00-0167	EA	1/2", One Hole Steel Conduit Strap .....	3.84		
		For Work In Restricted Working Space, Add	1.00		
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.94		
		For >500, Deduct	-1.05		
		For >50 To 100, Deduct	-0.18		
		For >250 To 500, Deduct	-0.71		
		For >100 To 250, Deduct	-0.36		
26 05 29 00-0168	EA	3/4", One Hole Steel Conduit Strap .....	3.89		
		For Work In Restricted Working Space, Add	1.00		
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.94		
		For >500, Deduct	-1.06		
		For >50 To 100, Deduct	-0.18		
		For >250 To 500, Deduct	-0.71		
		For >100 To 250, Deduct	-0.36		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0169 EA 1", One Hole Steel Conduit Strap ..... 4.13		
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
<i>For &gt;500, Deduct</i>	-1.08	
<i>For &gt;50 To 100, Deduct</i>	-0.19	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;100 To 250, Deduct</i>	-0.37	
26 05 29 00-0170 EA 1-1/4", One Hole Steel Conduit Strap ..... 4.31		
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
<i>For &gt;500, Deduct</i>	-1.10	
<i>For &gt;50 To 100, Deduct</i>	-0.19	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;100 To 250, Deduct</i>	-0.38	
26 05 29 00-0171 EA 1-1/2", One Hole Steel Conduit Strap ..... 4.43		
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
<i>For &gt;500, Deduct</i>	-1.11	
<i>For &gt;50 To 100, Deduct</i>	-0.19	
<i>For &gt;250 To 500, Deduct</i>	-0.75	
<i>For &gt;100 To 250, Deduct</i>	-0.39	
26 05 29 00-0172 EA 2", One Hole Steel Conduit Strap ..... 5.15		
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
<i>For &gt;500, Deduct</i>	-1.18	
<i>For &gt;50 To 100, Deduct</i>	-0.21	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;100 To 250, Deduct</i>	-0.42	
26 05 29 00-0173 EA 2-1/2", One Hole Steel Conduit Strap ..... 5.90		
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
<i>For &gt;500, Deduct</i>	-1.26	
<i>For &gt;50 To 100, Deduct</i>	-0.23	
<i>For &gt;250 To 500, Deduct</i>	-0.86	
<i>For &gt;100 To 250, Deduct</i>	-0.46	
26 05 29 00-0174 EA 3", One Hole Steel Conduit Strap ..... 6.15		
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
<i>For &gt;500, Deduct</i>	-1.28	
<i>For &gt;50 To 100, Deduct</i>	-0.24	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;100 To 250, Deduct</i>	-0.47	
26 05 29 00-0175 EA 3-1/2", One Hole Steel Conduit Strap ..... 7.37		
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
<i>For &gt;500, Deduct</i>	-1.41	
<i>For &gt;50 To 100, Deduct</i>	-0.27	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
26 05 29 00-0176 EA 4", One Hole Steel Conduit Strap ..... 8.35		
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
<i>For &gt;500, Deduct</i>	-1.50	
<i>For &gt;50 To 100, Deduct</i>	-0.29	
<i>For &gt;250 To 500, Deduct</i>	-1.04	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<b>26 05 29 00-0177 One Hole Iron Conduit Straps</b> <small>(26 05 29 00-0165)</small> ..... 3.96		
26 05 29 00-0178 EA 1/2", One Hole Iron Conduit Strap ..... 3.96		
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
<i>For &gt;500, Deduct</i>	-1.06	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;100 To 250, Deduct</i>	-0.37	
26 05 29 00-0179 EA 3/4", One Hole Iron Conduit Strap ..... 4.08		
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
<i>For &gt;500, Deduct</i>	-1.08	
<i>For &gt;50 To 100, Deduct</i>	-0.19	
<i>For &gt;250 To 500, Deduct</i>	-0.72	
<i>For &gt;100 To 250, Deduct</i>	-0.37	
26 05 29 00-0180 EA 1", One Hole Iron Conduit Strap ..... 4.29		
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
<i>For &gt;500, Deduct</i>	-1.10	
<i>For &gt;50 To 100, Deduct</i>	-0.19	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;100 To 250, Deduct</i>	-0.38	
26 05 29 00-0181 EA 1-1/4", One Hole Iron Conduit Strap ..... 4.80		
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
<i>For &gt;500, Deduct</i>	-1.15	
<i>For &gt;50 To 100, Deduct</i>	-0.20	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;100 To 250, Deduct</i>	-0.41	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0182 EA 1-1/2", One Hole Iron Conduit Strap .....	5.00	
For Work In Restricted Working Space, Add	1.00	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >500, Deduct	-1.17	
For >50 To 100, Deduct	-0.21	
For >250 To 500, Deduct	-0.79	
For >100 To 250, Deduct	-0.42	
26 05 29 00-0183 EA 2", One Hole Iron Conduit Strap .....	6.29	
For Work In Restricted Working Space, Add	1.00	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >500, Deduct	-1.30	
For >50 To 100, Deduct	-0.24	
For >250 To 500, Deduct	-0.89	
For >100 To 250, Deduct	-0.48	
26 05 29 00-0184 EA 2-1/2", One Hole Iron Conduit Strap .....	9.06	
For Work In Restricted Working Space, Add	1.00	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >500, Deduct	-1.57	
For >50 To 100, Deduct	-0.31	
For >250 To 500, Deduct	-1.10	
For >100 To 250, Deduct	-0.62	
26 05 29 00-0185 EA 3", One Hole Iron Conduit Strap .....	11.38	
For Work In Restricted Working Space, Add	1.00	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >500, Deduct	-1.81	
For >50 To 100, Deduct	-0.37	
For >250 To 500, Deduct	-1.27	
For >100 To 250, Deduct	-0.74	
26 05 29 00-0186 EA 3-1/2", One Hole Iron Conduit Strap .....	14.76	
For Work In Restricted Working Space, Add	1.00	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >500, Deduct	-2.14	
For >50 To 100, Deduct	-0.45	
For >250 To 500, Deduct	-1.52	
For >100 To 250, Deduct	-0.91	
26 05 29 00-0187 EA 4", One Hole Iron Conduit Strap .....	28.29	
For Work In Restricted Working Space, Add	1.00	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >500, Deduct	-3.50	
For >50 To 100, Deduct	-0.79	
For >250 To 500, Deduct	-2.54	
For >100 To 250, Deduct	-1.58	
26 05 29 00-0188 EA 5", One Hole Iron Conduit Strap .....	35.56	
For Work In Restricted Working Space, Add	1.00	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >500, Deduct	-4.22	
For >50 To 100, Deduct	-0.97	
For >250 To 500, Deduct	-3.08	
For >100 To 250, Deduct	-1.95	
<b>26 05 29 00-0189 Two Hole Steel Conduit Straps (26 05 29 00-0165)</b> .....	<b>4.47</b>	
26 05 29 00-0190 EA 1/2", Two Hole Steel Conduit Strap .....	4.47	
For Work In Restricted Working Space, Add	1.13	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
For >500, Deduct	-1.20	
For >50 To 100, Deduct	-0.21	
For >250 To 500, Deduct	-0.81	
For >100 To 250, Deduct	-0.41	
26 05 29 00-0191 EA 3/4", Two Hole Steel Conduit Strap .....	4.55	
For Work In Restricted Working Space, Add	1.13	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
For >500, Deduct	-1.21	
For >50 To 100, Deduct	-0.21	
For >250 To 500, Deduct	-0.81	
For >100 To 250, Deduct	-0.42	
26 05 29 00-0192 EA 1", Two Hole Steel Conduit Strap .....	4.59	
For Work In Restricted Working Space, Add	1.13	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
For >500, Deduct	-1.21	
For >50 To 100, Deduct	-0.21	
For >250 To 500, Deduct	-0.81	
For >100 To 250, Deduct	-0.42	
26 05 29 00-0193 EA 1-1/4", Two Hole Steel Conduit Strap .....	4.65	
For Work In Restricted Working Space, Add	1.13	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
For >500, Deduct	-1.22	
For >50 To 100, Deduct	-0.21	
For >250 To 500, Deduct	-0.82	
For >100 To 250, Deduct	-0.42	
26 05 29 00-0194 EA 1-1/2", Two Hole Steel Conduit Strap .....	4.69	
For Work In Restricted Working Space, Add	1.13	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
For >500, Deduct	-1.22	
For >50 To 100, Deduct	-0.21	
For >250 To 500, Deduct	-0.82	
For >100 To 250, Deduct	-0.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0195 EA 2", Two Hole Steel Conduit Strap .....	4.79	
For Work In Restricted Working Space, Add	1.13	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
For >500, Deduct	-1.23	
For >50 To 100, Deduct	-0.21	
For >250 To 500, Deduct	-0.83	
For >100 To 250, Deduct	-0.43	
26 05 29 00-0196 EA 2-1/2", Two Hole Steel Conduit Strap .....	5.35	
For Work In Restricted Working Space, Add	1.13	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
For >500, Deduct	-1.29	
For >50 To 100, Deduct	-0.23	
For >250 To 500, Deduct	-0.87	
For >100 To 250, Deduct	-0.46	
26 05 29 00-0197 EA 3", Two Hole Steel Conduit Strap .....	5.47	
For Work In Restricted Working Space, Add	1.13	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
For >500, Deduct	-1.30	
For >50 To 100, Deduct	-0.23	
For >250 To 500, Deduct	-0.88	
For >100 To 250, Deduct	-0.46	
26 05 29 00-0198 EA 3-1/2", Two Hole Steel Conduit Strap .....	5.91	
For Work In Restricted Working Space, Add	1.13	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
For >500, Deduct	-1.34	
For >50 To 100, Deduct	-0.24	
For >250 To 500, Deduct	-0.91	
For >100 To 250, Deduct	-0.48	
26 05 29 00-0199 EA 4", Two Hole Steel Conduit Strap .....	6.21	
For Work In Restricted Working Space, Add	1.13	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
For >500, Deduct	-1.37	
For >50 To 100, Deduct	-0.25	
For >250 To 500, Deduct	-0.94	
For >100 To 250, Deduct	-0.50	
26 05 29 00-0200 EA 5", Two Hole Steel Conduit Strap .....	6.60	
For Work In Restricted Working Space, Add	1.13	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
For >500, Deduct	-1.41	
For >50 To 100, Deduct	-0.26	
For >250 To 500, Deduct	-0.97	
For >100 To 250, Deduct	-0.52	
<b>26 05 29 00-0201 Clamp Back Spacers (26 05 29 00-0165)</b>		
26 05 29 00-0202 EA 1/2" Conduit, Clamp Back Spacer.....	3.55	
For Work In Restricted Working Space, Add	0.78	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.75	
For >500, Deduct	-0.88	
For >50 To 100, Deduct	-0.15	
For >250 To 500, Deduct	-0.59	
For >100 To 250, Deduct	-0.31	
26 05 29 00-0203 EA 3/4" Conduit, Clamp Back Spacer.....	3.84	
For Work In Restricted Working Space, Add	0.78	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.75	
For >500, Deduct	-0.91	
For >50 To 100, Deduct	-0.16	
For >250 To 500, Deduct	-0.61	
For >100 To 250, Deduct	-0.32	
26 05 29 00-0204 EA 1" Conduit, Clamp Back Spacer.....	4.12	
For Work In Restricted Working Space, Add	0.78	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.75	
For >500, Deduct	-0.93	
For >50 To 100, Deduct	-0.17	
For >250 To 500, Deduct	-0.64	
For >100 To 250, Deduct	-0.34	
26 05 29 00-0205 EA 1-1/4" Conduit, Clamp Back Spacer .....	5.21	
For Work In Restricted Working Space, Add	0.78	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.75	
For >500, Deduct	-1.04	
For >50 To 100, Deduct	-0.20	
For >250 To 500, Deduct	-0.72	
For >100 To 250, Deduct	-0.39	
26 05 29 00-0206 EA 1-1/2" Conduit, Clamp Back Spacer .....	6.08	
For Work In Restricted Working Space, Add	0.78	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.75	
For >500, Deduct	-1.13	
For >50 To 100, Deduct	-0.22	
For >250 To 500, Deduct	-0.78	
For >100 To 250, Deduct	-0.43	
26 05 29 00-0207 EA 2" Conduit, Clamp Back Spacer.....	7.00	
For Work In Restricted Working Space, Add	0.78	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.75	
For >500, Deduct	-1.22	
For >50 To 100, Deduct	-0.24	
For >250 To 500, Deduct	-0.85	
For >100 To 250, Deduct	-0.48	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0208 EA 2-1/2" Conduit, Clamp Back Spacer .....	10.72	
For Work In Restricted Working Space, Add	0.78	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.75	
For >500, Deduct	-1.59	
For >50 To 100, Deduct	-0.33	
For >250 To 500, Deduct	-1.13	
For >100 To 250, Deduct	-0.67	
26 05 29 00-0209 EA 3" Conduit, Clamp Back Spacer.....	15.18	
For Work In Restricted Working Space, Add	0.78	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.75	
For >500, Deduct	-2.04	
For >50 To 100, Deduct	-0.44	
For >250 To 500, Deduct	-1.46	
For >100 To 250, Deduct	-0.89	
26 05 29 00-0210 EA 3-1/2" Conduit, Clamp Back Spacer .....	19.50	
For Work In Restricted Working Space, Add	0.78	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.75	
For >500, Deduct	-2.47	
For >50 To 100, Deduct	-0.55	
For >250 To 500, Deduct	-1.79	
For >100 To 250, Deduct	-1.11	
26 05 29 00-0211 EA 4" Conduit, Clamp Back Spacer.....	39.80	
For Work In Restricted Working Space, Add	0.78	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.75	
For >500, Deduct	-4.50	
For >50 To 100, Deduct	-1.06	
For >250 To 500, Deduct	-3.31	
For >100 To 250, Deduct	-2.12	
26 05 29 00-0212 EA 5" Conduit, Clamp Back Spacer.....	74.07	
For Work In Restricted Working Space, Add	0.78	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.75	
For >500, Deduct	-7.93	
For >50 To 100, Deduct	-1.92	
For >250 To 500, Deduct	-5.88	
For >100 To 250, Deduct	-3.83	
<b>26 05 29 00-0213 Conduit Clips</b> <small>(26 05 29 00-0165)</small>		
Note: Push in or clip.		
26 05 29 00-0214 EA 1/2" Conduit Clip.....	4.42	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >500, Deduct	-1.11	
For >50 To 100, Deduct	-0.19	
For >250 To 500, Deduct	-0.75	
For >100 To 250, Deduct	-0.39	
26 05 29 00-0215 EA 3/4" Conduit Clip.....	4.42	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >500, Deduct	-1.11	
For >50 To 100, Deduct	-0.19	
For >250 To 500, Deduct	-0.75	
For >100 To 250, Deduct	-0.39	
26 05 29 00-0216 EA 1" Conduit Clip.....	4.33	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >500, Deduct	-1.10	
For >50 To 100, Deduct	-0.19	
For >250 To 500, Deduct	-0.74	
For >100 To 250, Deduct	-0.38	
26 05 29 00-0217 EA 1-1/4" Conduit Clip.....	4.54	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >500, Deduct	-1.12	
For >50 To 100, Deduct	-0.20	
For >250 To 500, Deduct	-0.76	
For >100 To 250, Deduct	-0.39	
<b>26 05 29 00-0218 Bolt And Nut Conduit Clips</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0219 EA 3/4" Bolt And Nut Conduit Clip (Minerallac 1B).....	5.48	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
For >500, Deduct	-1.38	
For >50 To 100, Deduct	-0.24	
For >250 To 500, Deduct	-0.93	
For >100 To 250, Deduct	-0.48	
26 05 29 00-0220 EA 1" Bolt And Nut Conduit Clip (Minerallac 2B).....	5.69	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
For >500, Deduct	-1.40	
For >50 To 100, Deduct	-0.25	
For >250 To 500, Deduct	-0.95	
For >100 To 250, Deduct	-0.49	
26 05 29 00-0221 EA 1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B).....	6.06	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.21	
For >500, Deduct	-1.49	
For >50 To 100, Deduct	-0.26	
For >250 To 500, Deduct	-1.01	
For >100 To 250, Deduct	-0.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0222 EA 1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B).....	6.18	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.21	
<i>For &gt;500, Deduct</i>	-1.50	
<i>For &gt;50 To 100, Deduct</i>	-0.27	
<i>For &gt;250 To 500, Deduct</i>	-1.02	
<i>For &gt;100 To 250, Deduct</i>	-0.53	
26 05 29 00-0223 EA 2" Bolt And Nut Conduit Clip (Minerallac 5B).....	6.98	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.21	
<i>For &gt;500, Deduct</i>	-1.58	
<i>For &gt;50 To 100, Deduct</i>	-0.29	
<i>For &gt;250 To 500, Deduct</i>	-1.08	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
26 05 29 00-0224 EA 2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B).....	7.58	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.27	
<i>For &gt;500, Deduct</i>	-1.70	
<i>For &gt;50 To 100, Deduct</i>	-0.31	
<i>For &gt;250 To 500, Deduct</i>	-1.15	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
26 05 29 00-0225 EA 3" Bolt And Nut Conduit Clip (Minerallac 7B).....	8.28	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.27	
<i>For &gt;500, Deduct</i>	-1.77	
<i>For &gt;50 To 100, Deduct</i>	-0.32	
<i>For &gt;250 To 500, Deduct</i>	-1.21	
<i>For &gt;100 To 250, Deduct</i>	-0.65	
26 05 29 00-0226 EA 4" Bolt And Nut Conduit Clip (Minerallac 9B).....	15.47	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.40	
<i>For &gt;500, Deduct</i>	-2.59	
<i>For &gt;50 To 100, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-1.81	
<i>For &gt;100 To 250, Deduct</i>	-1.03	
<b>26 05 29 00-0227 Conduit Hanger From Flange, Wire Or Rod</b> <small>(26 05 29 00-0165)</small>		
Note: Bat wing.		
26 05 29 00-0228 EA 1/2", Conduit Hanger From Flange, Wire Or Rod.....	3.18	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.73	
<i>For &gt;500, Deduct</i>	-0.82	
<i>For &gt;50 To 100, Deduct</i>	-0.14	
<i>For &gt;250 To 500, Deduct</i>	-0.55	
<i>For &gt;100 To 250, Deduct</i>	-0.28	
26 05 29 00-0229 EA 3/4", Conduit Hanger From Flange, Wire Or Rod.....	3.24	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.73	
<i>For &gt;500, Deduct</i>	-0.83	
<i>For &gt;50 To 100, Deduct</i>	-0.14	
<i>For &gt;250 To 500, Deduct</i>	-0.56	
<i>For &gt;100 To 250, Deduct</i>	-0.29	
26 05 29 00-0230 EA 1", Conduit Hanger From Flange, Wire Or Rod.....	3.40	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.73	
<i>For &gt;500, Deduct</i>	-0.84	
<i>For &gt;50 To 100, Deduct</i>	-0.15	
<i>For &gt;250 To 500, Deduct</i>	-0.57	
<i>For &gt;100 To 250, Deduct</i>	-0.30	
26 05 29 00-0231 EA 1-1/4", Conduit Hanger From Flange, Wire Or Rod.....	3.80	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.73	
<i>For &gt;500, Deduct</i>	-0.88	
<i>For &gt;50 To 100, Deduct</i>	-0.16	
<i>For &gt;250 To 500, Deduct</i>	-0.60	
<i>For &gt;100 To 250, Deduct</i>	-0.32	
<b>26 05 29 00-0232 Beam Flange Clamps</b> <small>(26 05 29 00-0165)</small>		
Note: For threaded rod, nut not required.		
26 05 29 00-0233 EA 1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24).....	4.85	
<i>For &gt;500, Deduct</i>	-1.01	
<i>For &gt;50 To 100, Deduct</i>	-0.19	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;100 To 250, Deduct</i>	-0.37	
26 05 29 00-0234 EA 5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58).....	4.74	
<i>For &gt;500, Deduct</i>	-1.00	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
<i>For &gt;250 To 500, Deduct</i>	-0.68	
<i>For &gt;100 To 250, Deduct</i>	-0.37	
26 05 29 00-0235 EA 9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912).....	5.36	
<i>For &gt;500, Deduct</i>	-1.06	
<i>For &gt;50 To 100, Deduct</i>	-0.20	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;100 To 250, Deduct</i>	-0.40	
<b>26 05 29 00-0236 T-Bar Support Clips</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0237 EA 9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95).....	7.92	
<i>For &gt;500, Deduct</i>	-1.83	
<i>For &gt;50 To 100, Deduct</i>	-0.33	
<i>For &gt;250 To 500, Deduct</i>	-1.25	
<i>For &gt;100 To 250, Deduct</i>	-0.66	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0238 EA 15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS).....	7.44	
For >500, Deduct	-1.79	
For >50 To 100, Deduct	-0.32	
For >250 To 500, Deduct	-1.21	
For >100 To 250, Deduct	-0.63	
26 05 29 00-0239 EA 15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16).....	2.96	
For >500, Deduct	-0.56	
For >50 To 100, Deduct	-0.11	
For >250 To 500, Deduct	-0.38	
For >100 To 250, Deduct	-0.21	
26 05 29 00-0240 EA 24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512).....	26.00	
For >500, Deduct	-3.02	
For >50 To 100, Deduct	-0.70	
For >250 To 500, Deduct	-2.21	
For >100 To 250, Deduct	-1.40	
<b>26 05 29 00-0241 Switch And Outlet Box Type Supports (26 05 29 00-0165)</b>		
26 05 29 00-0242 EA 1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS) .....	6.17	
For >500, Deduct	-1.04	
For >50 To 100, Deduct	-0.21	
For >250 To 500, Deduct	-0.72	
For >100 To 250, Deduct	-0.41	
26 05 29 00-0243 EA 1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500).....	5.17	
For >500, Deduct	-0.94	
For >50 To 100, Deduct	-0.18	
For >250 To 500, Deduct	-0.65	
For >100 To 250, Deduct	-0.36	
26 05 29 00-0244 EA Flush, Riveted Switch And Outlet Box Support (Caddy MFO) .....	6.03	
For >500, Deduct	-1.02	
For >50 To 100, Deduct	-0.20	
For >250 To 500, Deduct	-0.71	
For >100 To 250, Deduct	-0.41	
26 05 29 00-0245 EA Snap On, Switch And Outlet Box Support (Caddy MSF) .....	3.73	
For >500, Deduct	-0.79	
For >50 To 100, Deduct	-0.15	
For >250 To 500, Deduct	-0.54	
For >100 To 250, Deduct	-0.29	
26 05 29 00-0246 EA 1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI).....	3.92	
For >500, Deduct	-0.81	
For >50 To 100, Deduct	-0.15	
For >250 To 500, Deduct	-0.56	
For >100 To 250, Deduct	-0.30	
<b>26 05 29 00-0247 Lighting Fixture Hanger (26 05 29 00-0165)</b>		
Note: For existing or owner furnished fixtures.		
26 05 29 00-0248 EA Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515) .....	5.15	
For >500, Deduct	-1.35	
For >50 To 100, Deduct	-0.23	
For >250 To 500, Deduct	-0.91	
For >100 To 250, Deduct	-0.47	
26 05 29 00-0249 PR Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517) .....	20.07	
For >500, Deduct	-2.84	
For >50 To 100, Deduct	-0.61	
For >250 To 500, Deduct	-2.03	
For >100 To 250, Deduct	-1.21	
26 05 29 00-0250 PR Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520).....	27.91	
For >500, Deduct	-3.63	
For >50 To 100, Deduct	-0.80	
For >250 To 500, Deduct	-2.61	
For >100 To 250, Deduct	-1.60	
<b>26 05 29 00-0251 Rigid Steel Conduit Clamps For Unistrut Channel (26 05 29 00-0165)</b>		
26 05 29 00-0252 EA 1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	4.51	
For >500, Deduct	-1.08	
For Work In Restricted Working Space, Add	0.94	
For >50 To 100, Deduct	-0.19	
For >250 To 500, Deduct	-0.73	
For >100 To 250, Deduct	-0.38	
26 05 29 00-0253 EA 3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	4.53	
For >500, Deduct	-1.08	
For Work In Restricted Working Space, Add	0.94	
For >50 To 100, Deduct	-0.19	
For >250 To 500, Deduct	-0.73	
For >100 To 250, Deduct	-0.38	
26 05 29 00-0254 EA 1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	4.64	
For >500, Deduct	-1.09	
For Work In Restricted Working Space, Add	0.94	
For >50 To 100, Deduct	-0.19	
For >250 To 500, Deduct	-0.74	
For >100 To 250, Deduct	-0.39	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0255 EA 1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	5.83	
<i>For &gt;500, Deduct</i>	-1.42	
<i>For Work In Restricted Working Space, Add</i>	1.25	
<i>For &gt;50 To 100, Deduct</i>	-0.25	
<i>For &gt;250 To 500, Deduct</i>	-0.96	
<i>For &gt;100 To 250, Deduct</i>	-0.50	
26 05 29 00-0256 EA 1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	6.39	
<i>For &gt;500, Deduct</i>	-1.47	
<i>For Work In Restricted Working Space, Add</i>	1.25	
<i>For &gt;50 To 100, Deduct</i>	-0.26	
<i>For &gt;250 To 500, Deduct</i>	-1.00	
<i>For &gt;100 To 250, Deduct</i>	-0.53	
26 05 29 00-0257 EA 2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	6.45	
<i>For &gt;500, Deduct</i>	-1.48	
<i>For Work In Restricted Working Space, Add</i>	1.25	
<i>For &gt;50 To 100, Deduct</i>	-0.27	
<i>For &gt;250 To 500, Deduct</i>	-1.01	
<i>For &gt;100 To 250, Deduct</i>	-0.53	
26 05 29 00-0258 EA 2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	7.89	
<i>For &gt;500, Deduct</i>	-1.83	
<i>For Work In Restricted Working Space, Add</i>	1.56	
<i>For &gt;50 To 100, Deduct</i>	-0.33	
<i>For &gt;250 To 500, Deduct</i>	-1.24	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
26 05 29 00-0259 EA 3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	8.39	
<i>For &gt;500, Deduct</i>	-1.88	
<i>For Work In Restricted Working Space, Add</i>	1.56	
<i>For &gt;50 To 100, Deduct</i>	-0.34	
<i>For &gt;250 To 500, Deduct</i>	-1.28	
<i>For &gt;100 To 250, Deduct</i>	-0.68	
26 05 29 00-0260 EA 3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	8.87	
<i>For &gt;500, Deduct</i>	-1.93	
<i>For Work In Restricted Working Space, Add</i>	1.56	
<i>For &gt;50 To 100, Deduct</i>	-0.35	
<i>For &gt;250 To 500, Deduct</i>	-1.32	
<i>For &gt;100 To 250, Deduct</i>	-0.70	
26 05 29 00-0261 EA 4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	9.04	
<i>For &gt;500, Deduct</i>	-1.95	
<i>For Work In Restricted Working Space, Add</i>	1.56	
<i>For &gt;50 To 100, Deduct</i>	-0.36	
<i>For &gt;250 To 500, Deduct</i>	-1.33	
<i>For &gt;100 To 250, Deduct</i>	-0.71	

**26 05 29 00-0262 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel** (26 05 29 00-0165)

26 05 29 00-0263 EA 1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	4.88	
<i>For &gt;500, Deduct</i>	-1.11	
<i>For Work In Restricted Working Space, Add</i>	0.94	
<i>For &gt;50 To 100, Deduct</i>	-0.20	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;100 To 250, Deduct</i>	-0.40	
26 05 29 00-0264 EA 3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	4.83	
<i>For &gt;500, Deduct</i>	-1.11	
<i>For Work In Restricted Working Space, Add</i>	0.94	
<i>For &gt;50 To 100, Deduct</i>	-0.20	
<i>For &gt;250 To 500, Deduct</i>	-0.75	
<i>For &gt;100 To 250, Deduct</i>	-0.40	
26 05 29 00-0265 EA 1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	4.78	
<i>For &gt;500, Deduct</i>	-1.10	
<i>For Work In Restricted Working Space, Add</i>	0.94	
<i>For &gt;50 To 100, Deduct</i>	-0.20	
<i>For &gt;250 To 500, Deduct</i>	-0.75	
<i>For &gt;100 To 250, Deduct</i>	-0.40	
26 05 29 00-0266 EA 1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	6.28	
<i>For &gt;500, Deduct</i>	-1.46	
<i>For Work In Restricted Working Space, Add</i>	1.25	
<i>For &gt;50 To 100, Deduct</i>	-0.26	
<i>For &gt;250 To 500, Deduct</i>	-0.99	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
26 05 29 00-0267 EA 1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	7.26	
<i>For &gt;500, Deduct</i>	-1.56	
<i>For Work In Restricted Working Space, Add</i>	1.25	
<i>For &gt;50 To 100, Deduct</i>	-0.29	
<i>For &gt;250 To 500, Deduct</i>	-1.07	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
26 05 29 00-0268 EA 2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	7.31	
<i>For &gt;500, Deduct</i>	-1.57	
<i>For Work In Restricted Working Space, Add</i>	1.25	
<i>For &gt;50 To 100, Deduct</i>	-0.29	
<i>For &gt;250 To 500, Deduct</i>	-1.07	
<i>For &gt;100 To 250, Deduct</i>	-0.57	

**26 05 29 00-0269 "J" Type Conduit Hangers** (26 05 29 00-0165)

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0270	EA	1/2"	"J" Type Conduit Hanger (Unistrut J1205).....	23.76	
			<i>For &gt;500, Deduct</i>	-3.84	
			<i>For Work In Restricted Working Space, Add</i>	2.19	
			<i>For &gt;50 To 100, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-2.69	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
26 05 29 00-0271	EA	3/4"	"J" Type Conduit Hanger (Unistrut J1207).....	24.04	
			<i>For &gt;500, Deduct</i>	-3.86	
			<i>For Work In Restricted Working Space, Add</i>	2.19	
			<i>For &gt;50 To 100, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-2.72	
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
26 05 29 00-0272	EA	1"	"J" Type Conduit Hanger (Unistrut J1210).....	25.35	
			<i>For &gt;500, Deduct</i>	-4.20	
			<i>For Work In Restricted Working Space, Add</i>	2.50	
			<i>For &gt;50 To 100, Deduct</i>	-0.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.94	
			<i>For &gt;100 To 250, Deduct</i>	-1.68	
26 05 29 00-0273	EA	1-1/4"	"J" Type Conduit Hanger (Unistrut J1212).....	25.66	
			<i>For &gt;500, Deduct</i>	-4.23	
			<i>For Work In Restricted Working Space, Add</i>	2.50	
			<i>For &gt;50 To 100, Deduct</i>	-0.85	
			<i>For &gt;250 To 500, Deduct</i>	-2.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.70	
26 05 29 00-0274	EA	1-1/2"	"J" Type Conduit Hanger (Unistrut J1215).....	26.90	
			<i>For &gt;500, Deduct</i>	-4.57	
			<i>For Work In Restricted Working Space, Add</i>	2.81	
			<i>For &gt;50 To 100, Deduct</i>	-0.91	
			<i>For &gt;250 To 500, Deduct</i>	-3.19	
			<i>For &gt;100 To 250, Deduct</i>	-1.81	
26 05 29 00-0275	EA	2"	"J" Type Conduit Hanger (Unistrut J1220).....	28.07	
			<i>For &gt;500, Deduct</i>	-4.68	
			<i>For Work In Restricted Working Space, Add</i>	2.81	
			<i>For &gt;50 To 100, Deduct</i>	-0.94	
			<i>For &gt;250 To 500, Deduct</i>	-3.28	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
26 05 29 00-0276	EA	2-1/2"	"J" Type Conduit Hanger (Unistrut J1225).....	45.83	
			<i>For &gt;500, Deduct</i>	-6.67	
			<i>For Work In Restricted Working Space, Add</i>	3.13	
			<i>For &gt;50 To 100, Deduct</i>	-1.41	
			<i>For &gt;250 To 500, Deduct</i>	-4.74	
			<i>For &gt;100 To 250, Deduct</i>	-2.81	
26 05 29 00-0277	EA	3"	"J" Type Conduit Hanger (Unistrut J1230).....	48.63	
			<i>For &gt;500, Deduct</i>	-7.16	
			<i>For Work In Restricted Working Space, Add</i>	3.44	
			<i>For &gt;50 To 100, Deduct</i>	-1.50	
			<i>For &gt;250 To 500, Deduct</i>	-5.08	
			<i>For &gt;100 To 250, Deduct</i>	-3.01	
26 05 29 00-0278	EA	3-1/2"	"J" Type Conduit Hanger (Unistrut J1235).....	52.33	
			<i>For &gt;500, Deduct</i>	-7.74	
			<i>For Work In Restricted Working Space, Add</i>	3.76	
			<i>For &gt;50 To 100, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-5.49	
			<i>For &gt;100 To 250, Deduct</i>	-3.24	
26 05 29 00-0279	EA	4"	"J" Type Conduit Hanger (Unistrut J1240).....	70.45	
			<i>For &gt;500, Deduct</i>	-9.55	
			<i>For Work In Restricted Working Space, Add</i>	3.76	
			<i>For &gt;50 To 100, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-6.85	
			<i>For &gt;100 To 250, Deduct</i>	-4.15	
26 05 29 00-0280	EA	5"	"J" Type Conduit Hanger (Unistrut J1250).....	77.44	
			<i>For &gt;500, Deduct</i>	-10.46	
			<i>For Work In Restricted Working Space, Add</i>	4.07	
			<i>For &gt;50 To 100, Deduct</i>	-2.28	
			<i>For &gt;250 To 500, Deduct</i>	-7.50	
			<i>For &gt;100 To 250, Deduct</i>	-4.55	
26 05 29 00-0281	EA	6"	"J" Type Conduit Hanger (Unistrut J1260).....	109.90	
			<i>For &gt;500, Deduct</i>	-14.12	
			<i>For Work In Restricted Working Space, Add</i>	4.70	
			<i>For &gt;50 To 100, Deduct</i>	-3.14	
			<i>For &gt;250 To 500, Deduct</i>	-10.20	
			<i>For &gt;100 To 250, Deduct</i>	-6.28	
26 05 29 00-0282	<b>Between Studs Box Brackets</b> <small>(26 05 29 00-0165)</small>				
26 05 29 00-0283	EA	16"	Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A) .....	8.47	
			<i>For &gt;500, Deduct</i>	-1.47	
			<i>For Work In Restricted Working Space, Add</i>	0.94	
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;250 To 500, Deduct</i>	-1.03	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0284 EA 24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A) .....	10.31	
<i>For &gt;500, Deduct</i>	-1.66	
<i>For Work In Restricted Working Space, Add</i>	0.94	
<i>For &gt;50 To 100, Deduct</i>	-0.34	
<i>For &gt;250 To 500, Deduct</i>	-1.16	
<i>For &gt;100 To 250, Deduct</i>	-0.67	
<b>26 05 29 00-0285 Hangers And Brackets</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0286 EA Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI) .....	2.79	
<i>For &gt;500, Deduct</i>	-0.70	
<i>For &gt;50 To 100, Deduct</i>	-0.12	
<i>For &gt;250 To 500, Deduct</i>	-0.47	
<i>For &gt;100 To 250, Deduct</i>	-0.24	
26 05 29 00-0287 EA Angle Bracket Only With 1/4" Hole (Caddy AB) .....	2.69	
<i>For &gt;500, Deduct</i>	-0.69	
<i>For &gt;50 To 100, Deduct</i>	-0.12	
<i>For &gt;250 To 500, Deduct</i>	-0.46	
<i>For &gt;100 To 250, Deduct</i>	-0.24	
26 05 29 00-0288 EA Offset Bracket Only With 1/4" Hole (Caddy AO) .....	2.69	
<i>For &gt;500, Deduct</i>	-0.69	
<i>For &gt;50 To 100, Deduct</i>	-0.12	
<i>For &gt;250 To 500, Deduct</i>	-0.46	
<i>For &gt;100 To 250, Deduct</i>	-0.24	
26 05 29 00-0289 EA Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	3.79	
<i>For &gt;500, Deduct</i>	-0.80	
<i>For &gt;50 To 100, Deduct</i>	-0.15	
<i>For &gt;250 To 500, Deduct</i>	-0.55	
<i>For &gt;100 To 250, Deduct</i>	-0.29	
26 05 29 00-0290 EA Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	3.81	
<i>For &gt;500, Deduct</i>	-0.80	
<i>For &gt;50 To 100, Deduct</i>	-0.15	
<i>For &gt;250 To 500, Deduct</i>	-0.55	
<i>For &gt;100 To 250, Deduct</i>	-0.30	
26 05 29 00-0291 EA Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	3.69	
<i>For &gt;500, Deduct</i>	-0.79	
<i>For &gt;50 To 100, Deduct</i>	-0.14	
<i>For &gt;250 To 500, Deduct</i>	-0.54	
<i>For &gt;100 To 250, Deduct</i>	-0.29	
26 05 29 00-0292 EA Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	3.79	
<i>For &gt;500, Deduct</i>	-0.80	
<i>For &gt;50 To 100, Deduct</i>	-0.15	
<i>For &gt;250 To 500, Deduct</i>	-0.55	
<i>For &gt;100 To 250, Deduct</i>	-0.29	
26 05 29 00-0293 EA Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	3.81	
<i>For &gt;500, Deduct</i>	-0.80	
<i>For &gt;50 To 100, Deduct</i>	-0.15	
<i>For &gt;250 To 500, Deduct</i>	-0.55	
<i>For &gt;100 To 250, Deduct</i>	-0.30	
<b>26 05 29 00-0294 Clips And Accessories</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0295 EA 1/2" Diameter Center, Bridle Ring (Caddy 2BR) .....	1.92	
<i>For &gt;500, Deduct</i>	-0.45	
<i>For &gt;50 To 100, Deduct</i>	-0.08	
<i>For &gt;250 To 500, Deduct</i>	-0.31	
<i>For &gt;100 To 250, Deduct</i>	-0.16	
26 05 29 00-0296 EA 3/4" Diameter Center, Bridle Ring (Caddy 2BR12) .....	1.96	
<i>For &gt;500, Deduct</i>	-0.46	
<i>For &gt;50 To 100, Deduct</i>	-0.08	
<i>For &gt;250 To 500, Deduct</i>	-0.31	
<i>For &gt;100 To 250, Deduct</i>	-0.16	
26 05 29 00-0297 EA 1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20).....	2.12	
<i>For &gt;500, Deduct</i>	-0.47	
<i>For &gt;50 To 100, Deduct</i>	-0.09	
<i>For &gt;250 To 500, Deduct</i>	-0.32	
<i>For &gt;100 To 250, Deduct</i>	-0.17	
26 05 29 00-0298 EA 2" Diameter Center, Bridle Ring (Caddy 2BR32) .....	2.47	
<i>For &gt;500, Deduct</i>	-0.51	
<i>For &gt;50 To 100, Deduct</i>	-0.09	
<i>For &gt;250 To 500, Deduct</i>	-0.35	
<i>For &gt;100 To 250, Deduct</i>	-0.19	
<b>26 05 29 00-0299 Wire Ties</b> <small>(26 05 29 00-0165)</small>		
Note: Per hundred (C).		
26 05 29 00-0300 C 3" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	27.07	
<i>For Up To 0.1, Add</i>	21.78	
<i>For &gt;0.1 To 0.25, Add</i>	10.89	
<i>For &gt;0.25 To 0.75, Add</i>	5.45	
<i>For &gt;2.0, Deduct</i>	-2.18	
<i>For UV Black, Add</i>	0.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.53	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0301 C 4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	27.28	
For Up To 0.1, Add	21.78	
For >0.1 To 0.25, Add	10.89	
For >0.25 To 0.75, Add	5.45	
For >2.0, Deduct	-2.18	
For UV Black, Add	0.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.53	
26 05 29 00-0302 C 4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	27.42	
For Up To 0.1, Add	21.78	
For >0.1 To 0.25, Add	10.89	
For >0.25 To 0.75, Add	5.45	
For >2.0, Deduct	-2.18	
For UV Black, Add	0.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.53	
26 05 29 00-0303 C 5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	27.48	
For Up To 0.1, Add	21.78	
For >0.1 To 0.25, Add	10.89	
For >0.25 To 0.75, Add	5.45	
For >2.0, Deduct	-2.18	
For UV Black, Add	0.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.53	
26 05 29 00-0304 C 6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	28.49	
For Up To 0.1, Add	22.72	
For >0.1 To 0.25, Add	11.36	
For >0.25 To 0.75, Add	5.68	
For >2.0, Deduct	-2.27	
For UV Black, Add	0.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.82	
26 05 29 00-0305 C 8" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	34.00	
For Up To 0.1, Add	23.76	
For >0.1 To 0.25, Add	11.88	
For >0.25 To 0.75, Add	5.94	
For >2.0, Deduct	-2.38	
For UV Black, Add	1.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.13	
26 05 29 00-0306 C 4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	32.76	
For Up To 0.1, Add	21.78	
For >0.1 To 0.25, Add	10.89	
For >0.25 To 0.75, Add	5.45	
For >2.0, Deduct	-2.18	
For UV Black, Add	1.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.53	
26 05 29 00-0307 C 6" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	33.78	
For Up To 0.1, Add	22.72	
For >0.1 To 0.25, Add	11.36	
For >0.25 To 0.75, Add	5.68	
For >2.0, Deduct	-2.27	
For UV Black, Add	1.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.82	
26 05 29 00-0308 C 8" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	34.88	
For Up To 0.1, Add	23.76	
For >0.1 To 0.25, Add	11.88	
For >0.25 To 0.75, Add	5.94	
For >2.0, Deduct	-2.38	
For UV Black, Add	1.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.13	
26 05 29 00-0309 C 10" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	51.26	
For Up To 0.1, Add	25.61	
For >0.1 To 0.25, Add	12.81	
For >0.25 To 0.75, Add	6.40	
For >2.0, Deduct	-2.56	
For UV Black, Add	3.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.68	
26 05 29 00-0310 C 11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	53.58	
For Up To 0.1, Add	25.61	
For >0.1 To 0.25, Add	12.81	
For >0.25 To 0.75, Add	6.40	
For >2.0, Deduct	-2.56	
For UV Black, Add	4.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.68	
26 05 29 00-0311 C 7" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	36.50	
For Up To 0.1, Add	23.76	
For >0.1 To 0.25, Add	11.88	
For >0.25 To 0.75, Add	5.94	
For >2.0, Deduct	-2.38	
For UV Black, Add	1.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.13	
26 05 29 00-0312 C 8" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	34.45	
For Up To 0.1, Add	23.76	
For >0.1 To 0.25, Add	11.88	
For >0.25 To 0.75, Add	5.94	
For >2.0, Deduct	-2.38	
For UV Black, Add	1.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0313 C 11" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	51.90	
For Up To 0.1, Add	25.61	
For >0.1 To 0.25, Add	12.81	
For >0.25 To 0.75, Add	6.40	
For >2.0, Deduct	-2.56	
For UV Black, Add	3.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.68	
26 05 29 00-0314 C 14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	59.53	
For Up To 0.1, Add	27.21	
For >0.1 To 0.25, Add	13.61	
For >0.25 To 0.75, Add	6.80	
For >2.0, Deduct	-2.72	
For UV Black, Add	4.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.16	
26 05 29 00-0315 C 8" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	58.44	
For Up To 0.1, Add	23.76	
For >0.1 To 0.25, Add	11.88	
For >0.25 To 0.75, Add	5.94	
For >2.0, Deduct	-2.38	
For UV Black, Add	5.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.13	
26 05 29 00-0316 C 11" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	64.00	
For Up To 0.1, Add	25.61	
For >0.1 To 0.25, Add	12.81	
For >0.25 To 0.75, Add	6.40	
For >2.0, Deduct	-2.56	
For UV Black, Add	5.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.68	
26 05 29 00-0317 C 15" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	77.71	
For Up To 0.1, Add	27.21	
For >0.1 To 0.25, Add	13.61	
For >0.25 To 0.75, Add	6.80	
For >2.0, Deduct	-2.72	
For UV Black, Add	7.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.16	
26 05 29 00-0318 C 17" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	111.77	
For Up To 0.1, Add	29.03	
For >0.1 To 0.25, Add	14.52	
For >0.25 To 0.75, Add	7.26	
For >2.0, Deduct	-2.90	
For UV Black, Add	12.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.71	
26 05 29 00-0319 C 17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	108.24	
For Up To 0.1, Add	29.03	
For >0.1 To 0.25, Add	14.52	
For >0.25 To 0.75, Add	7.26	
For >2.0, Deduct	-2.90	
For UV Black, Add	11.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.71	
26 05 29 00-0320 C 21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	132.17	
For Up To 0.1, Add	30.39	
For >0.1 To 0.25, Add	15.20	
For >0.25 To 0.75, Add	7.60	
For >2.0, Deduct	-3.04	
For UV Black, Add	15.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.12	
26 05 29 00-0321 C 30" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	153.17	
For Up To 0.1, Add	31.86	
For >0.1 To 0.25, Add	15.93	
For >0.25 To 0.75, Add	7.97	
For >2.0, Deduct	-3.19	
For UV Black, Add	18.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.56	
26 05 29 00-0322 C 46" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	210.64	
For Up To 0.1, Add	34.37	
For >0.1 To 0.25, Add	17.19	
For >0.25 To 0.75, Add	8.59	
For >2.0, Deduct	-3.44	
For UV Black, Add	26.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 05 29 00-0323 C 3/4" x 3/4" Self Adhesive Tie Mounts.....	35.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.80	
26 05 29 00-0324 C 1.1" x 1.1" Tie Mounts With Screw.....	69.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.60	
26 05 29 00-0325 EA 6" Length x 1/2" Width, Velcro Grip Cable Tie.....	2.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.16	
26 05 29 00-0326 EA 8" Length x 1/2" Width, Velcro Grip Cable Tie.....	2.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.13	
26 05 29 00-0327 EA 12" Length x 1/2" Width, Velcro Grip Cable Tie.....	2.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.13	
26 05 29 00-0328 EA 15" Length x 3/4" Width, Velcro Grip Cable Tie.....	3.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.13	
26 05 29 00-0329 EA 180" Length x 3/4" Width, Velcro Grip Cable Tie Roll.....	98.78	
Note: Cut to length.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.98	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 29 00-0330 Fastening Devices For Wireway And Conduit</b> <small>(26 05 29)</small>		
Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.		
<b>26 05 29 00-0331 Toggle Bolts</b> <small>(26 05 29 00-0330)</small>		
Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0332 EA 1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	8.04	
For >100 To 250, Deduct	-1.55	
For >500, Deduct	-3.85	
For >250 To 500, Deduct	-2.70	
For >50 To 100, Deduct	-0.77	
26 05 29 00-0333 EA 1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	8.25	
For >100 To 250, Deduct	-1.58	
For >500, Deduct	-3.95	
For >250 To 500, Deduct	-2.77	
For >50 To 100, Deduct	-0.79	
26 05 29 00-0334 EA 3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	8.67	
For >100 To 250, Deduct	-1.63	
For >500, Deduct	-4.07	
For >250 To 500, Deduct	-2.85	
For >50 To 100, Deduct	-0.82	
26 05 29 00-0335 EA 3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	8.88	
For >100 To 250, Deduct	-1.67	
For >500, Deduct	-4.16	
For >250 To 500, Deduct	-2.92	
For >50 To 100, Deduct	-0.84	
26 05 29 00-0336 EA 1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	9.09	
For >100 To 250, Deduct	-1.71	
For >500, Deduct	-4.26	
For >250 To 500, Deduct	-2.99	
For >50 To 100, Deduct	-0.86	
26 05 29 00-0337 EA 5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	10.17	
For >100 To 250, Deduct	-1.80	
For >500, Deduct	-4.45	
For >250 To 500, Deduct	-3.12	
For >50 To 100, Deduct	-0.90	
26 05 29 00-0338 EA 3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	10.57	
For >100 To 250, Deduct	-1.84	
For >500, Deduct	-4.57	
For >250 To 500, Deduct	-3.20	
For >50 To 100, Deduct	-0.92	
<b>26 05 29 00-0339 Machine Screws</b> <small>(26 05 29 00-0330)</small>		
Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0340 EA #8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.39	
For >100 To 250, Deduct	-0.47	
For >500, Deduct	-1.17	
For >250 To 500, Deduct	-0.82	
For >50 To 100, Deduct	-0.23	
26 05 29 00-0341 EA #10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.42	
For >100 To 250, Deduct	-0.47	
For >500, Deduct	-1.17	
For >250 To 500, Deduct	-0.82	
For >50 To 100, Deduct	-0.23	
26 05 29 00-0342 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.03	
For >100 To 250, Deduct	-0.59	
For >500, Deduct	-1.46	
For >250 To 500, Deduct	-1.02	
For >50 To 100, Deduct	-0.29	
26 05 29 00-0343 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.15	
For >100 To 250, Deduct	-0.59	
For >500, Deduct	-1.48	
For >250 To 500, Deduct	-1.03	
For >50 To 100, Deduct	-0.30	
26 05 29 00-0344 EA 3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.87	
For >100 To 250, Deduct	-0.71	
For >500, Deduct	-1.78	
For >250 To 500, Deduct	-1.24	
For >50 To 100, Deduct	-0.36	
<b>26 05 29 00-0345 Hex Lag Bolts With Lag Shield Expansion Anchors</b> <small>(26 05 29 00-0330)</small>		
Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0346 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	3.77	
For >100 To 250, Deduct	-0.62	
For >500, Deduct	-1.54	
For >250 To 500, Deduct	-1.08	
For >50 To 100, Deduct	-0.31	
26 05 29 00-0347 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	3.73	
For >100 To 250, Deduct	-0.62	
For >500, Deduct	-1.53	
For >250 To 500, Deduct	-1.08	
For >50 To 100, Deduct	-0.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0348 EA 3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor .....	5.20	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-1.91	
<i>For &gt;250 To 500, Deduct</i>	-1.34	
<i>For &gt;50 To 100, Deduct</i>	-0.39	
26 05 29 00-0349 EA 1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor .....	6.58	
<i>For &gt;100 To 250, Deduct</i>	-0.93	
<i>For &gt;500, Deduct</i>	-2.27	
<i>For &gt;250 To 500, Deduct</i>	-1.60	
<i>For &gt;50 To 100, Deduct</i>	-0.47	
<b>26 05 29 00-0350 Hanger Lag Bolts With Hex Nuts</b> <small>(26 05 29 00-0330)</small>		
<i>Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.</i>		
26 05 29 00-0351 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	2.85	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;500, Deduct</i>	-1.21	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;50 To 100, Deduct</i>	-0.25	
26 05 29 00-0352 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	2.89	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;500, Deduct</i>	-1.22	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;50 To 100, Deduct</i>	-0.25	
26 05 29 00-0353 EA 3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	3.39	
<i>For &gt;100 To 250, Deduct</i>	-0.56	
<i>For &gt;500, Deduct</i>	-1.37	
<i>For &gt;250 To 500, Deduct</i>	-0.96	
<i>For &gt;50 To 100, Deduct</i>	-0.28	
<b>26 05 29 00-0354 Hollow Wall Screw Anchors</b> <small>(26 05 29 00-0330)</small>		
26 05 29 00-0355 EA 6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.68	
<i>For &gt;100 To 250, Deduct</i>	-0.29	
<i>For &gt;500, Deduct</i>	-0.72	
<i>For &gt;250 To 500, Deduct</i>	-0.51	
<i>For &gt;50 To 100, Deduct</i>	-0.15	
26 05 29 00-0356 EA 6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.72	
<i>For &gt;100 To 250, Deduct</i>	-0.29	
<i>For &gt;500, Deduct</i>	-0.73	
<i>For &gt;250 To 500, Deduct</i>	-0.51	
<i>For &gt;50 To 100, Deduct</i>	-0.15	
26 05 29 00-0357 EA 6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.80	
<i>For &gt;100 To 250, Deduct</i>	-0.30	
<i>For &gt;500, Deduct</i>	-0.74	
<i>For &gt;250 To 500, Deduct</i>	-0.52	
<i>For &gt;50 To 100, Deduct</i>	-0.15	
26 05 29 00-0358 EA 10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.25	
<i>For &gt;100 To 250, Deduct</i>	-0.35	
<i>For &gt;500, Deduct</i>	-0.87	
<i>For &gt;250 To 500, Deduct</i>	-0.61	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
26 05 29 00-0359 EA 10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.35	
<i>For &gt;100 To 250, Deduct</i>	-0.36	
<i>For &gt;500, Deduct</i>	-0.88	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
26 05 29 00-0360 EA 10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.38	
<i>For &gt;100 To 250, Deduct</i>	-0.36	
<i>For &gt;500, Deduct</i>	-0.88	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
26 05 29 00-0361 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.40	
<i>For &gt;100 To 250, Deduct</i>	-0.36	
<i>For &gt;500, Deduct</i>	-0.88	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
26 05 29 00-0362 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.54	
<i>For &gt;100 To 250, Deduct</i>	-0.37	
<i>For &gt;500, Deduct</i>	-0.90	
<i>For &gt;250 To 500, Deduct</i>	-0.63	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
26 05 29 00-0363 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	2.60	
<i>For &gt;100 To 250, Deduct</i>	-0.37	
<i>For &gt;500, Deduct</i>	-0.90	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;50 To 100, Deduct</i>	-0.19	
<b>26 05 29 00-0364 Lead Screw Anchors</b> <small>(26 05 29 00-0330)</small>		
<i>Note: Includes screw.</i>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0365	EA		#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw .....	3.93	
			<i>For &gt;100 To 250, Deduct</i>	-0.73	
			<i>For &gt;500, Deduct</i>	-1.81	
			<i>For &gt;250 To 500, Deduct</i>	-1.27	
			<i>For &gt;50 To 100, Deduct</i>	-0.36	
26 05 29 00-0366	EA		#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw.....	4.66	
			<i>For &gt;100 To 250, Deduct</i>	-0.85	
			<i>For &gt;500, Deduct</i>	-2.11	
			<i>For &gt;250 To 500, Deduct</i>	-1.48	
			<i>For &gt;50 To 100, Deduct</i>	-0.42	
26 05 29 00-0367	EA		#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw.....	6.27	
			<i>For &gt;100 To 250, Deduct</i>	-1.10	
			<i>For &gt;500, Deduct</i>	-2.72	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;50 To 100, Deduct</i>	-0.55	
<b>26 05 29 00-0368</b>			<b>Acoustical T-Bar Clips</b> <small>(26 05 29 00-0330)</small>		
			Note: For conduit installation above suspended ceilings up to 15' height.		
26 05 29 00-0369	EA		1/2" Conduit, Push-In Acoustical T-Bar Clip.....	6.59	
			<i>For &gt;100 To 250, Deduct</i>	-1.00	
			<i>For &gt;500, Deduct</i>	-2.44	
			<i>For &gt;250 To 500, Deduct</i>	-1.72	
			<i>For &gt;50 To 100, Deduct</i>	-0.50	
26 05 29 00-0370	EA		3/4" Conduit, Push-In Acoustical T-Bar Clip.....	6.91	
			<i>For &gt;100 To 250, Deduct</i>	-1.05	
			<i>For &gt;500, Deduct</i>	-2.56	
			<i>For &gt;250 To 500, Deduct</i>	-1.80	
			<i>For &gt;50 To 100, Deduct</i>	-0.52	
26 05 29 00-0371	EA		1" Conduit, Push-In Acoustical T-Bar Clip.....	7.53	
			<i>For &gt;100 To 250, Deduct</i>	-1.12	
			<i>For &gt;500, Deduct</i>	-2.73	
			<i>For &gt;250 To 500, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-0.56	
<b>26 05 29 00-0372</b>			<b>Threaded Rod, Accessories And Attachments</b> <small>(26 05 29)</small>		
<b>26 05 29 00-0373</b>			<b>Threaded Rod And Rod Accessories</b> <small>(26 05 29 00-0372)</small>		
<b>26 05 29 00-0374</b>			<b>Carbon Steel Threaded Rod</b> <small>(26 05 29 00-0373)</small>		
			Note: Includes plain finish.		
26 05 29 00-0375	LF		3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	3.08	0.66
			<i>For Zinc Coated, Add</i>	0.50	
			<i>For Galvanized, Add</i>	0.71	
26 05 29 00-0376	LF		1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	4.21	0.70
			<i>For Zinc Coated, Add</i>	0.80	
			<i>For Galvanized, Add</i>	1.13	
26 05 29 00-0377	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	5.81	0.72
			<i>For Zinc Coated, Add</i>	1.24	
			<i>For Galvanized, Add</i>	1.74	
26 05 29 00-0378	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	9.42	0.74
			<i>For Zinc Coated, Add</i>	2.26	
			<i>For Galvanized, Add</i>	3.17	
26 05 29 00-0379	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	10.25	0.76
			<i>For Zinc Coated, Add</i>	2.48	
			<i>For Galvanized, Add</i>	3.48	
26 05 29 00-0380	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	13.97	0.86
			<i>For Zinc Coated, Add</i>	3.49	
			<i>For Galvanized, Add</i>	4.89	
26 05 29 00-0381	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	17.36	0.96
			<i>For Zinc Coated, Add</i>	4.40	
			<i>For Galvanized, Add</i>	6.17	
<b>26 05 29 00-0382</b>			<b>Threaded Rod Couplings</b> <small>(26 05 29 00-0373)</small>		
26 05 29 00-0383	EA		3/8" Diameter, Threaded Rod Coupling Nut.....	8.18	
26 05 29 00-0384	EA		1/2" Diameter, Threaded Rod Coupling Nut.....	9.25	
26 05 29 00-0385	EA		5/8" Diameter, Threaded Rod Coupling Nut.....	11.40	
26 05 29 00-0386	EA		3/4" Diameter, Threaded Rod Coupling Nut.....	13.72	
26 05 29 00-0387	EA		7/8" Diameter, Threaded Rod Coupling Nut.....	19.54	
26 05 29 00-0388	EA		1" Diameter, Threaded Rod Coupling Nut.....	23.16	
26 05 29 00-0389	EA		1-1/8" Diameter, Threaded Rod Coupling Nut .....	42.75	
<b>26 05 29 00-0390</b>			<b>Flat Washers</b> <small>(26 05 29 00-0373)</small>		
26 05 29 00-0391	EA		3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.70	0.26
			<i>For Galvanized, Add</i>	0.03	
26 05 29 00-0392	EA		1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.88	0.26
			<i>For Galvanized, Add</i>	0.06	
26 05 29 00-0393	EA		5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.12	0.26
			<i>For Galvanized, Add</i>	0.11	
26 05 29 00-0394	EA		3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.36	0.52
			<i>For Galvanized, Add</i>	0.16	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0395 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.52	0.52
<i>For Galvanized, Add</i>	0.19	
26 05 29 00-0396 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.81	0.52
<i>For Galvanized, Add</i>	0.24	
26 05 29 00-0397 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.02	0.52
<i>For Galvanized, Add</i>	0.27	
<b>26 05 29 00-0398 Malleable Iron Eye Sockets</b> (26 05 29 00-0373)		
Note: Type 16.		
26 05 29 00-0399 EA 3/8" Rod Size, Malleable Iron Eye Socket.....	10.84	
26 05 29 00-0400 EA 1/2" Rod Size, Malleable Iron Eye Socket.....	13.02	
26 05 29 00-0401 EA 5/8" Rod Size, Malleable Iron Eye Socket.....	23.12	
26 05 29 00-0402 EA 3/4" Rod Size, Malleable Iron Eye Socket.....	33.18	
26 05 29 00-0403 EA 7/8" Rod Size, Malleable Iron Eye Socket.....	35.30	
<b>26 05 29 00-0404 Hex Nuts</b> (26 05 29 00-0373)		
26 05 29 00-0405 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.68	0.26
<i>For Galvanized, Add</i>	0.02	
26 05 29 00-0406 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.85	0.26
<i>For Galvanized, Add</i>	0.05	
26 05 29 00-0407 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.13	0.26
<i>For Galvanized, Add</i>	0.11	
26 05 29 00-0408 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.32	0.52
<i>For Galvanized, Add</i>	0.15	
26 05 29 00-0409 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.89	0.52
<i>For Galvanized, Add</i>	0.28	
26 05 29 00-0410 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.40	0.52
<i>For Galvanized, Add</i>	0.38	
26 05 29 00-0411 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	3.85	0.52
<i>For Galvanized, Add</i>	0.72	
<b>26 05 29 00-0412 Forged Steel Turnbuckles</b> (26 05 29 00-0373)		
Note: Type 13.		
26 05 29 00-0413 EA 3/8" Thread Diameter, Forged Steel Turnbuckle Body.....	26.28	
26 05 29 00-0414 EA 1/2" Thread Diameter, Forged Steel Turnbuckle Body.....	32.63	
26 05 29 00-0415 EA 5/8" Thread Diameter, Forged Steel Turnbuckle Body.....	44.04	
26 05 29 00-0416 EA 3/4" Thread Diameter, Forged Steel Turnbuckle Body.....	54.66	
26 05 29 00-0417 EA 7/8" Thread Diameter, Forged Steel Turnbuckle Body.....	137.13	
26 05 29 00-0418 EA 1" Thread Diameter, Forged Steel Turnbuckle Body.....	90.02	
26 05 29 00-0419 EA 1-1/4" Thread Diameter, Forged Steel Turnbuckle Body.....	183.14	
<b>26 05 29 00-0420 Attachments</b> (26 05 29 00-0372)		
<b>26 05 29 00-0421 Welded Beam Attachments</b> (26 05 29 00-0420)		
Note: Type 22.		
26 05 29 00-0422 EA 3/8" Rod Size, Welded Beam Attachment.....	48.02	10.43
26 05 29 00-0423 EA 1/2" Rod Size, Welded Beam Attachment.....	51.25	10.95
26 05 29 00-0424 EA 5/8" Rod Size, Welded Beam Attachment.....	54.58	11.58
26 05 29 00-0425 EA 3/4" Rod Size, Welded Beam Attachment.....	70.02	12.31
26 05 29 00-0426 EA 7/8" Rod Size, Welded Beam Attachment.....	84.27	13.04
26 05 29 00-0427 EA 1" Rod Size, Welded Beam Attachment.....	118.66	14.92
26 05 29 00-0428 EA 1-1/8" Rod Size, Welded Beam Attachment.....	168.85	15.65
<b>26 05 29 00-0429 C-Clamp Style Beam Clamps</b> (26 05 29 00-0420)		
Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0430 EA 3/8" Rod Size, C-Clamp Style Beam Clamp.....	16.39	7.84
26 05 29 00-0431 EA 1/2" Rod Size, C-Clamp Style Beam Clamp.....	19.68	8.36
26 05 29 00-0432 EA 5/8" Rod Size, C-Clamp Style Beam Clamp.....	22.41	8.96
26 05 29 00-0433 EA 3/4" Rod Size, C-Clamp Style Beam Clamp.....	29.05	9.64
26 05 29 00-0434 EA 7/8" Rod Size, C-Clamp Style Beam Clamp.....	42.62	10.45
<b>26 05 29 00-0435 Bottom Mount I-Beam Clamps</b> (26 05 29 00-0420)		
Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0436 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	46.58	10.45
26 05 29 00-0437 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	68.97	11.40
26 05 29 00-0438 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	99.03	12.55
26 05 29 00-0439 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	118.67	13.93
26 05 29 00-0440 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	289.69	15.68
<b>26 05 29 00-0441 Steel U-Bolts</b> (26 05 29 00-0420)		
Note: Type 24. Includes plate and nuts.		
26 05 29 00-0442 EA 1/2" Pipe Size, Zinc Plated Steel, U-Bolt.....	13.37	6.27
26 05 29 00-0443 EA 3/4" Pipe Size, Zinc Plated Steel, U-Bolt.....	14.54	6.60
26 05 29 00-0444 EA 1" Pipe Size, Zinc Plated Steel, U-Bolt.....	15.66	6.97
26 05 29 00-0445 EA 1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt.....	17.87	7.37

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0446	EA		1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt .....	18.44	7.84
26 05 29 00-0447	EA		2" Pipe Size, Zinc Plated Steel, U-Bolt.....	19.72	8.36
26 05 29 00-0448	EA		2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt .....	28.82	8.96
26 05 29 00-0449	EA		3" Pipe Size, Zinc Plated Steel, U-Bolt.....	31.80	9.64
26 05 29 00-0450	EA		4" Pipe Size, Zinc Plated Steel, U-Bolt.....	38.57	10.45
<b>26 05 29 00-0451</b>			<b>Stainless Steel Threaded Rod</b> <small>(26 05 29 00-0372)</small>		
26 05 29 00-0452	LF		1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	3.04	0.52
			<i>For 316 Stainless Steel, Add</i>	0.81	
26 05 29 00-0453	LF		5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	4.57	0.57
			<i>For 316 Stainless Steel, Add</i>	1.39	
26 05 29 00-0454	LF		3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	5.87	0.66
			<i>For 316 Stainless Steel, Add</i>	1.85	
26 05 29 00-0455	LF		7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	8.13	0.67
			<i>For 316 Stainless Steel, Add</i>	2.75	
26 05 29 00-0456	LF		1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	9.75	0.70
			<i>For 316 Stainless Steel, Add</i>	3.39	
26 05 29 00-0457	LF		5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	14.59	0.70
			<i>For 316 Stainless Steel, Add</i>	5.33	
26 05 29 00-0458	LF		3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	20.40	0.72
			<i>For 316 Stainless Steel, Add</i>	7.67	
26 05 29 00-0459	LF		7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	28.04	0.74
			<i>For 316 Stainless Steel, Add</i>	10.75	
26 05 29 00-0460	LF		1" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	36.02	0.86
			<i>For 316 Stainless Steel, Add</i>	13.88	
26 05 29 00-0461	LF		1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	76.20	1.04
			<i>For 316 Stainless Steel, Add</i>	29.98	
<b>26 05 29 00-0462</b>			<b>Polyvinyl Chloride (PVC) Coated Supports</b> <small>(26 05 29)</small>		
			Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
<b>26 05 29 00-0463</b>			<b>Polyvinyl Chloride (PVC) Coated Beam Clamps</b> <small>(26 05 29 00-0462)</small>		
<b>26 05 29 00-0464</b>			<b>Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps</b> <small>(26 05 29 00-0463)</small>		
26 05 29 00-0465	EA		1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	64.97	20.86
26 05 29 00-0466	EA		3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	70.54	22.74
26 05 29 00-0467	EA		1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	74.73	25.03
26 05 29 00-0468	EA		1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	91.22	27.85
26 05 29 00-0469	EA		1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	105.98	31.29
26 05 29 00-0470	EA		2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	128.93	34.42
26 05 29 00-0471	EA		2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	141.07	37.56
26 05 29 00-0472	EA		3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	155.84	40.68
26 05 29 00-0473	EA		3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	163.96	43.81
26 05 29 00-0474	EA		4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	177.52	46.94
<b>26 05 29 00-0475</b>			<b>Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps</b> <small>(26 05 29 00-0463)</small>		
26 05 29 00-0476	EA		1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	70.80	20.86
26 05 29 00-0477	EA		3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	74.49	22.74
26 05 29 00-0478	EA		1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	86.56	25.03
26 05 29 00-0479	EA		1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	95.42	27.85
26 05 29 00-0480	EA		1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	107.61	31.29
26 05 29 00-0481	EA		2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	126.14	34.42
26 05 29 00-0482	EA		2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	146.34	37.56
26 05 29 00-0483	EA		3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	162.82	40.68
26 05 29 00-0484	EA		3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	172.75	43.81
26 05 29 00-0485	EA		4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	178.69	46.94
<b>26 05 29 00-0486</b>			<b>Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps</b> <small>(26 05 29 00-0463)</small>		
26 05 29 00-0487	EA		1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	66.19	20.65
26 05 29 00-0488	EA		3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	70.95	22.53
26 05 29 00-0489	EA		1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	80.67	25.03
26 05 29 00-0490	EA		1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	95.95	27.54
26 05 29 00-0491	EA		1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	128.27	31.29
26 05 29 00-0492	EA		2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	140.56	34.42
<b>26 05 29 00-0493</b>			<b>Polyvinyl Chloride (PVC) Coated Conduit Straps</b> <small>(26 05 29 00-0462)</small>		
<b>26 05 29 00-0494</b>			<b>One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps</b> <small>(26 05 29 00-0493)</small>		
26 05 29 00-0495	EA		1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	9.34	0.62
26 05 29 00-0496	EA		3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	10.18	0.62
26 05 29 00-0497	EA		1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	15.17	0.62
26 05 29 00-0498	EA		1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	18.54	0.62
26 05 29 00-0499	EA		1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	24.53	0.62
26 05 29 00-0500	EA		2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	37.07	0.62
26 05 29 00-0501	EA		2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	49.52	0.62
26 05 29 00-0502	EA		3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	66.48	0.62
26 05 29 00-0503	EA		3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	117.98	0.62



		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0504	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	125.41	0.62
<b>26 05 29 00-0505</b>		<b>Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps</b> (26 05 29 00-0493)		
26 05 29 00-0506	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	18.41	1.25
26 05 29 00-0507	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	18.49	1.25
26 05 29 00-0508	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	19.00	1.25
26 05 29 00-0509	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	24.13	1.25
26 05 29 00-0510	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	24.83	1.25
26 05 29 00-0511	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	28.61	1.25
26 05 29 00-0512	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	32.29	1.25
26 05 29 00-0513	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	33.80	1.25
26 05 29 00-0514	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	36.15	1.25
26 05 29 00-0515	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	39.29	1.25
<b>26 05 29 00-0516</b>		<b>Polyvinyl Chloride (PVC) Coated Clamp Back Spacer</b> (26 05 29 00-0462)		
<b>26 05 29 00-0517</b>		<b>Polyvinyl Chloride (PVC) Coated Clamp Back Spacer</b> (26 05 29 00-0516)		
26 05 29 00-0518	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	16.61	1.25
26 05 29 00-0519	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	19.47	1.25
26 05 29 00-0520	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	24.72	1.25
26 05 29 00-0521	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	29.06	1.25
26 05 29 00-0522	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	39.21	1.25
26 05 29 00-0523	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	48.26	1.25
26 05 29 00-0524	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	97.58	1.25
26 05 29 00-0525	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	133.58	1.25
26 05 29 00-0526	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	234.49	1.25
26 05 29 00-0527	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	234.49	1.25
<b>26 05 29 00-0528</b>		<b>Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories</b> (26 05 29 00-0462)		
<b>26 05 29 00-0529</b>		<b>Polyvinyl Chloride (PVC) Coated Threaded Rod</b> (26 05 29 00-0528)		
26 05 29 00-0530	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	11.52	0.83
26 05 29 00-0531	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	14.23	0.94
<b>26 05 29 00-0532</b>		<b>Attachments</b> (26 05 29 00-0462)		
<b>26 05 29 00-0533</b>		<b>Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts</b> (26 05 29 00-0532)		
26 05 29 00-0534	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	19.09	6.27
26 05 29 00-0535	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	19.64	6.58
26 05 29 00-0536	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	20.67	7.00
26 05 29 00-0537	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	22.02	7.42
26 05 29 00-0538	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	23.47	7.84
26 05 29 00-0539	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	26.69	8.36
26 05 29 00-0540	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	40.70	8.99
26 05 29 00-0541	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	42.52	9.61
26 05 29 00-0542	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	45.20	10.45
26 05 29 00-0543	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	77.33	11.91
26 05 29 00-0544	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	96.52	13.79
<b>26 05 29 00-0545</b>		<b>Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps</b> (26 05 29 00-0532)		
26 05 29 00-0546	EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	67.05	20.65
26 05 29 00-0547	EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	80.93	20.65
26 05 29 00-0548	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	86.65	20.65
26 05 29 00-0549	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	96.22	21.91
26 05 29 00-0550	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	113.11	25.03
<b>26 05 29 00-0551</b>		<b>Polyvinyl Chloride (PVC) Coated Pipe Straps</b> (26 05 29 00-0532)		
		Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0552	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	20.72	6.89
26 05 29 00-0553	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	21.79	7.51
26 05 29 00-0554	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	23.74	8.14
26 05 29 00-0555	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	26.72	9.38
26 05 29 00-0556	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	30.59	10.64
26 05 29 00-0557	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	34.02	11.27
26 05 29 00-0558	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	37.59	12.52
26 05 29 00-0559	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	44.74	13.77
26 05 29 00-0560	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	48.93	14.40
26 05 29 00-0561	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	51.40	15.65
26 05 29 00-0562	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	54.90	17.52
<b>26 05 29 00-0563</b>		<b>Polyvinyl Chloride (PVC) Coated Channel</b> (26 05 29 00-0462)		
26 05 29 00-0564	LF	A12, Polyvinyl Chloride (PVC) Coated Channel.....	21.56	3.13
26 05 29 00-0565	LF	A12A, Polyvinyl Chloride (PVC) Coated Channel.....	38.21	4.38
26 05 29 00-0566	LF	A12P, Polyvinyl Chloride (PVC) Coated Channel.....	23.03	3.13

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0567 LF C14, Polyvinyl Chloride (PVC) Coated Channel .....	17.06	3.13
26 05 29 00-0568 LF C14P, Polyvinyl Chloride (PVC) Coated Channel .....	17.97	3.13
<b>26 05 29 00-0569 Right-Angle Wall Brackets (26 05 29)</b>		
26 05 29 00-0570 EA Right Angle Wall Mount (Oberon 1029-00) .....	348.74	104.51
<b>26 05 29 00-0571 Polymer Concrete Pads (26 05 29)</b>		
Note: Excludes excavation and backfill.		
<b>26 05 29 00-0572 Polymer Concrete, Box Pads (26 05 29 00-0571)</b>		
26 05 29 00-0573 EA 24" x 36", 18" Depth, Polymer Concrete, Box Pad .....	1,273.14	117.79
26 05 29 00-0574 EA 25" x 25", 24" Depth, Polymer Concrete, Box Pad .....	1,316.01	117.79
26 05 29 00-0575 EA 40" x 44", 15" Depth, Polymer Concrete, Box Pad .....	1,709.97	117.79
26 05 29 00-0576 EA 40" x 44", 24" Depth, Polymer Concrete, Box Pad .....	1,775.29	117.79
26 05 29 00-0577 EA 52" x 36", 18" Depth, Polymer Concrete, Box Pad .....	1,649.17	117.79
26 05 29 00-0578 EA 44" x 44", 32" Depth, Polymer Concrete, Box Pad .....	1,957.64	117.79
26 05 29 00-0579 EA 40" x 58", 24" Depth, Polymer Concrete, Box Pad .....	2,194.17	117.79
26 05 29 00-0580 EA 52" x 50", 18" Depth, Polymer Concrete, Box Pad .....	2,098.37	147.25
26 05 29 00-0581 EA 74" x 76", 36" Depth, Polymer Concrete, Box Pad .....	3,203.52	147.25
26 05 29 00-0582 EA 93" x 93", 36" Depth, Polymer Concrete, Box Pad .....	4,314.14	147.25
<b>26 05 29 00-0583 Polymer Concrete, Telecommunications Equipment Pads (26 05 29 00-0571)</b>		
26 05 29 00-0584 EA 42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	603.94	59.46
26 05 29 00-0585 EA 48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	721.06	59.46
26 05 29 00-0586 EA 60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	944.48	88.35
26 05 29 00-0587 EA 54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	988.00	88.35
26 05 29 00-0588 EA 57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	1,431.10	88.35
26 05 29 00-0589 EA 72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	1,492.69	88.35
26 05 29 00-0590 EA 64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	1,607.44	88.35
26 05 29 00-0591 EA 72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	1,607.44	88.35
26 05 29 00-0592 EA 76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	3,049.07	88.35
26 05 29 00-0593 EA 96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	3,460.41	88.35
<b>26 05 29 00-0594 Polymer Concrete, Electrical Equipment Pads (26 05 29 00-0571)</b>		
26 05 29 00-0595 EA 24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad .....	355.89	59.46
26 05 29 00-0596 EA 24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad .....	386.00	59.46
26 05 29 00-0597 EA 24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad .....	413.43	59.46
26 05 29 00-0598 EA 24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad .....	504.53	59.46
26 05 29 00-0599 EA 40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad .....	463.87	59.46
26 05 29 00-0600 EA 42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad .....	483.03	59.46
26 05 29 00-0601 EA 48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	532.69	59.46
26 05 29 00-0602 EA 48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad .....	561.66	59.46
26 05 29 00-0603 EA 54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	658.42	59.46
26 05 29 00-0604 EA 56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad .....	817.79	59.46
26 05 29 00-0605 EA 64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	1,217.63	88.35
26 05 29 00-0606 EA 66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	1,275.88	88.35
26 05 29 00-0607 EA 75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	1,294.26	88.35
26 05 29 00-0608 EA 90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	1,416.71	88.35
26 05 29 00-0609 EA 84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	3,054.59	88.35
26 05 29 00-0610 EA 96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	3,603.21	88.35
<b>26 05 33 Raceway and Boxes for Electrical Systems (26 05)</b>		
<b>26 05 33 13 Conduit for Electrical Systems (26 05 33)</b>		
<b>26 05 33 13-0001 Conduit Assemblies With Wire (26 05 33 13)</b>		
Note: Includes conduit, fittings and wire. Excludes hangers or supports.		
<b>26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies (26 05 33 13-0001)</b>		
Note: Includes conduit, field bends, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0260 for larger copper conductor, 26 05 33 13-0598 for larger EMT conduit.		
26 05 33 13-0003 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	827.53	232.89
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add		199.65
For 2 #12 THWN Conductor Instead Of THHN, Add		2.20
26 05 33 13-0004 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	906.68	252.91
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add		216.80
For 3 #12 THWN Conductor Instead Of THHN, Add		3.30



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #12 THWN Conductor Instead Of THHN, Add</i>	985.83  233.96 4.40	272.92
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	878.20  208.23 3.29	242.90
26 05 33 13-0007	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	977.93  228.24 4.94	266.25
26 05 33 13-0008	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	995.31  225.38 5.75	262.91
26 05 33 13-0009	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	930.76  215.21 2.20	251.09
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,009.92  232.36 3.30	271.10
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,089.06  249.51	291.11
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,168.21  266.66 5.49	311.13
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	981.42  223.78 3.29	261.10
26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,081.15  243.79 4.94	284.44
26 05 33 13-0015	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,180.88  263.81 6.59	307.79
26 05 33 13-0016	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,280.59  283.81 8.24	331.14
26 05 33 13-0017	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,241.78  266.66 8.62	311.13
26 05 33 13-0018	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,385.02  292.39 11.49	341.14

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0019 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,255.28 258.09 9.50	301.12
26 05 33 13-0020 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,455.12 289.53 14.25	337.81
26 05 33 13-0021 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,081.96 231.67 2.20	270.25
26 05 33 13-0022 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,161.11 248.82 3.30	290.26
26 05 33 13-0023 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,240.27 265.98	310.27
26 05 33 13-0024 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,319.42 283.13 5.49	330.27
26 05 33 13-0025 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,132.62 240.25 3.29	280.25
26 05 33 13-0026 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,232.35 260.26 4.94	303.60
26 05 33 13-0027 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,332.07 280.27 6.59	326.94
26 05 33 13-0028 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,431.79 300.28 8.24	350.28
26 05 33 13-0029 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,392.98 283.13 8.62	330.27
26 05 33 13-0030 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,606.32 306.00 14.25	356.96
26 05 33 13-0031 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #6 THWN Conductor Instead Of THHN, Add</i>	1,806.16 337.44 19.00	393.64
<b>26 05 33 13-0032 Rigid Galvanized Steel (RGS) Conduit Assemblies</b> <small>(26 05 33 13-0001)</small> Note: Includes conduit, field bends, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0260 for larger copper conductor, 26 05 33 13-0059 for larger RGS conduit.		
26 05 33 13-0033 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,138.58 227.21 2.20	265.10



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0034	CLF			1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,217.72	1,217.72	285.11
				Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	244.36	
				<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	3.30	
26 05 33 13-0035	CLF			1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,189.24	1,189.24	275.10
				Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	235.79	
				<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	3.29	
26 05 33 13-0036	CLF			1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,288.96	1,288.96	298.45
				Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	255.80	
				<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	4.94	
26 05 33 13-0037	CLF			1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor .....1,306.36	1,306.36	295.11
				Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	252.94	
				<i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	5.75	
26 05 33 13-0038	CLF			3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,262.68	1,262.68	282.72
				Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	242.30	
				<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	2.20	
26 05 33 13-0039	CLF			3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,341.84	1,341.84	302.74
				Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	259.46	
				<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	3.30	
26 05 33 13-0040	CLF			3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,420.99	1,420.99	322.75
				Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	276.61	
26 05 33 13-0041	CLF			3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,313.35	1,313.35	292.73
				Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	250.88	
				<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	3.29	
26 05 33 13-0042	CLF			3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,413.07	1,413.07	316.08
				Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	270.89	
				<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	4.94	
26 05 33 13-0043	CLF			3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,512.80	1,512.80	339.42
				Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	290.90	
				<i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	6.59	
26 05 33 13-0044	CLF			3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor .....1,573.71	1,573.71	342.76
				Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	293.76	
				<i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	8.62	
26 05 33 13-0045	CLF			3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor .....1,716.94	1,716.94	372.78
				Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	319.49	
				<i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	11.49	
26 05 33 13-0046	CLF			3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor .....1,587.20	1,587.20	332.75
				Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	285.19	
				<i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	9.50	
26 05 33 13-0047	CLF			3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor .....1,787.04	1,787.04	369.44
				Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	316.63	
				<i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	14.25	
26 05 33 13-0048	CLF			1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,654.38	1,654.38	337.62
				Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	289.39	
				<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	3.30	
26 05 33 13-0049	CLF			1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,733.54	1,733.54	357.63
				Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	306.54	
26 05 33 13-0050	CLF			1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,812.68	1,812.68	377.63
				Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	323.69	
				<i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	5.49	

## 26 Electrical

## 26 05 Common Work Results for Electrical

## 26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0051 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #10 THWN Conductor Instead Of THHN, Add	1,725.61  300.82 4.94	350.96
26 05 33 13-0052 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 4 #10 THWN Conductor Instead Of THHN, Add	1,825.34  320.84 6.59	374.30
26 05 33 13-0053 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 5 #10 THWN Conductor Instead Of THHN, Add	1,925.06  340.85 8.24	397.64
26 05 33 13-0054 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #8 THWN Conductor Instead Of THHN, Add	1,886.24  323.69 8.62	377.63
26 05 33 13-0055 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #6 THWN Conductor Instead Of THHN, Add	2,099.59  346.56 14.25	404.32
26 05 33 13-0056 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 4 #6 THWN Conductor Instead Of THHN, Add	2,299.43  378.01 19.00	441.00
26 05 33 13-0057 Conduit <sup>(26 05 33 13)</sup> Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0058 Conduit Installed Above Grade <sup>(26 05 33 13-0057)</sup>		
26 05 33 13-0059 Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit <sup>(26 05 33 13-0058)</sup> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0060 Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <sup>(26 05 33 13-0059)</sup> Note: Includes field bending for conduit up to 1".		
26 05 33 13-0061 LF 1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling ..... For Work In Restricted Working Space, Add For >500 To 1,000, Deduct For >250 To 500, Deduct For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For >1,000, Deduct For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add	8.29  1.58 -0.49 -0.15 0.79 -0.70 0.53 1.05 1.31 1.84 2.10 2.63 2.89 0.53 1.31	2.10
26 05 33 13-0062 LF 3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling ..... For Work In Restricted Working Space, Add For >500 To 1,000, Deduct For >250 To 500, Deduct For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For >1,000, Deduct For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add	9.85  1.83 -0.59 -0.19 0.92 -0.83 0.61 1.22 1.53 2.14 2.44 3.05 3.36 0.61 1.53	2.29





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0063 LF 1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	13.99	2.67
For Work In Restricted Working Space, Add	2.46	
For >500 To 1,000, Deduct	-0.84	
For >250 To 500, Deduct	-0.29	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.23	
For >1,000, Deduct	-1.19	
For Elevated Installation >10' To 15', Add	0.82	
For Elevated Installation >15' To 20', Add	1.64	
For Elevated Installation >20' To 25', Add	2.05	
For Elevated Installation >25' To 30', Add	2.87	
For Elevated Installation >30' To 35', Add	3.28	
For Elevated Installation >35' To 40', Add	4.10	
For Elevated Installation >40', Add	4.50	
For Installation In Metal Stud Wall, Add	0.82	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.05	
26 05 33 13-0064 LF 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	16.41	3.05
For Work In Restricted Working Space, Add	2.60	
For >500 To 1,000, Deduct	-1.01	
For >250 To 500, Deduct	-0.39	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.30	
For >1,000, Deduct	-1.42	
For Elevated Installation >10' To 15', Add	0.87	
For Elevated Installation >15' To 20', Add	1.74	
For Elevated Installation >20' To 25', Add	2.17	
For Elevated Installation >25' To 30', Add	3.04	
For Elevated Installation >30' To 35', Add	3.47	
For Elevated Installation >35' To 40', Add	4.34	
For Elevated Installation >40', Add	4.77	
For Installation In Metal Stud Wall, Add	0.87	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.17	
26 05 33 13-0065 LF 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	18.99	3.43
For Work In Restricted Working Space, Add	2.86	
For >500 To 1,000, Deduct	-1.19	
For >250 To 500, Deduct	-0.47	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.43	
For >1,000, Deduct	-1.66	
For Elevated Installation >10' To 15', Add	0.95	
For Elevated Installation >15' To 20', Add	1.91	
For Elevated Installation >20' To 25', Add	2.38	
For Elevated Installation >25' To 30', Add	3.34	
For Elevated Installation >30' To 35', Add	3.81	
For Elevated Installation >35' To 40', Add	4.77	
For Elevated Installation >40', Add	5.24	
For Installation In Metal Stud Wall, Add	0.95	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.38	
26 05 33 13-0066 LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	24.38	4.19
For Work In Restricted Working Space, Add	3.52	
For >500 To 1,000, Deduct	-1.54	
For >250 To 500, Deduct	-0.63	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.76	
For >1,000, Deduct	-2.15	
For Elevated Installation >10' To 15', Add	1.17	
For Elevated Installation >15' To 20', Add	2.34	
For Elevated Installation >20' To 25', Add	2.93	
For Elevated Installation >25' To 30', Add	4.10	
For Elevated Installation >30' To 35', Add	4.69	
For Elevated Installation >35' To 40', Add	5.86	
For Elevated Installation >40', Add	6.45	
For Installation In Metal Stud Wall, Add	1.17	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.93	
26 05 33 13-0067 LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	36.90	5.72
For Work In Restricted Working Space, Add	4.78	
For >500 To 1,000, Deduct	-2.37	
For >250 To 500, Deduct	-1.05	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.39	
For >1,000, Deduct	-3.29	
For Elevated Installation >10' To 15', Add	1.59	
For Elevated Installation >15' To 20', Add	3.18	
For Elevated Installation >20' To 25', Add	3.98	
For Elevated Installation >25' To 30', Add	5.57	
For Elevated Installation >30' To 35', Add	6.37	
For Elevated Installation >35' To 40', Add	7.96	
For Elevated Installation >40', Add	8.76	
For Installation In Metal Stud Wall, Add	1.59	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.98	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0068 LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	48.13	7.62
For Work In Restricted Working Space, Add	6.43	
For >500 To 1,000, Deduct	-3.07	
For >250 To 500, Deduct	-1.33	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.22	
For >1,000, Deduct	-4.28	
For Elevated Installation >10' To 15', Add	2.14	
For Elevated Installation >15' To 20', Add	4.29	
For Elevated Installation >20' To 25', Add	5.36	
For Elevated Installation >25' To 30', Add	7.50	
For Elevated Installation >30' To 35', Add	8.58	
For Elevated Installation >35' To 40', Add	10.72	
For Elevated Installation >40', Add	11.79	
For Installation In Metal Stud Wall, Add	2.14	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.36	
26 05 33 13-0069 LF 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	58.02	9.53
For Work In Restricted Working Space, Add	7.64	
For >500 To 1,000, Deduct	-3.72	
For >250 To 500, Deduct	-1.63	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.82	
For >1,000, Deduct	-5.17	
For Elevated Installation >10' To 15', Add	2.55	
For Elevated Installation >15' To 20', Add	5.09	
For Elevated Installation >20' To 25', Add	6.36	
For Elevated Installation >25' To 30', Add	8.91	
For Elevated Installation >30' To 35', Add	10.18	
For Elevated Installation >35' To 40', Add	12.73	
For Elevated Installation >40', Add	14.00	
For Installation In Metal Stud Wall, Add	2.55	
For Installation In Wood Stud Wall (Includes Drilling), Add	6.36	
26 05 33 13-0070 LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	69.14	11.43
For Work In Restricted Working Space, Add	8.81	
For >500 To 1,000, Deduct	-4.45	
For >250 To 500, Deduct	-1.99	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.40	
For >1,000, Deduct	-6.18	
For Elevated Installation >10' To 15', Add	2.94	
For Elevated Installation >15' To 20', Add	5.87	
For Elevated Installation >20' To 25', Add	7.34	
For Elevated Installation >25' To 30', Add	10.27	
For Elevated Installation >30' To 35', Add	11.74	
For Elevated Installation >35' To 40', Add	14.68	
For Elevated Installation >40', Add	16.14	
For Installation In Metal Stud Wall, Add	2.94	
For Installation In Wood Stud Wall (Includes Drilling), Add	7.34	
26 05 33 13-0071 LF 5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	113.02	14.48
For Work In Restricted Working Space, Add	10.86	
For >500 To 1,000, Deduct	-7.57	
For >250 To 500, Deduct	-3.84	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	5.43	
For >1,000, Deduct	-10.40	
For Elevated Installation >10' To 15', Add	3.62	
For Elevated Installation >15' To 20', Add	7.24	
For Elevated Installation >20' To 25', Add	9.05	
For Elevated Installation >25' To 30', Add	12.67	
For Elevated Installation >30' To 35', Add	14.48	
For Elevated Installation >35' To 40', Add	18.11	
For Elevated Installation >40', Add	19.92	
For Installation In Metal Stud Wall, Add	3.62	
For Installation In Wood Stud Wall (Includes Drilling), Add	9.05	
26 05 33 13-0072 LF 6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	153.70	18.29
For Work In Restricted Working Space, Add	13.72	
For >500 To 1,000, Deduct	-10.38	
For >250 To 500, Deduct	-5.40	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	6.86	
For >1,000, Deduct	-14.23	
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.15	
For Elevated Installation >20' To 25', Add	11.44	
For Elevated Installation >25' To 30', Add	16.01	
For Elevated Installation >30' To 35', Add	18.30	
For Elevated Installation >35' To 40', Add	22.87	
For Elevated Installation >40', Add	25.16	
For Installation In Metal Stud Wall, Add	4.57	
For Installation In Wood Stud Wall (Includes Drilling), Add	11.44	

26 05 33 13-0073 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow (26 05 33 13-0059)  
See CSI section 26 05 33 13-2248 for conduit field bending.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0074 EA 1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	28.10	9.44
For Work In Restricted Working Space, Add	7.10	
For Elevated Installation >10' To 15', Add	2.37	
For Elevated Installation >15' To 20', Add	4.73	
For Elevated Installation >20' To 25', Add	5.92	
For Elevated Installation >25' To 30', Add	8.28	
For Elevated Installation >30' To 35', Add	9.46	
For Elevated Installation >35' To 40', Add	11.83	
For Elevated Installation >40', Add	13.01	
26 05 33 13-0075 EA 3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	35.28	11.72
For Work In Restricted Working Space, Add	8.83	
For Elevated Installation >10' To 15', Add	2.94	
For Elevated Installation >15' To 20', Add	5.88	
For Elevated Installation >20' To 25', Add	7.36	
For Elevated Installation >25' To 30', Add	10.30	
For Elevated Installation >30' To 35', Add	11.77	
For Elevated Installation >35' To 40', Add	14.71	
For Elevated Installation >40', Add	16.18	
26 05 33 13-0076 EA 1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	44.90	14.39
For Work In Restricted Working Space, Add	10.76	
For Elevated Installation >10' To 15', Add	3.59	
For Elevated Installation >15' To 20', Add	7.18	
For Elevated Installation >20' To 25', Add	8.97	
For Elevated Installation >25' To 30', Add	12.56	
For Elevated Installation >30' To 35', Add	14.35	
For Elevated Installation >35' To 40', Add	17.94	
For Elevated Installation >40', Add	19.73	
26 05 33 13-0077 EA 1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	57.07	16.68
For Work In Restricted Working Space, Add	12.50	
For Elevated Installation >10' To 15', Add	4.17	
For Elevated Installation >15' To 20', Add	8.33	
For Elevated Installation >20' To 25', Add	10.41	
For Elevated Installation >25' To 30', Add	14.58	
For Elevated Installation >30' To 35', Add	16.66	
For Elevated Installation >35' To 40', Add	20.83	
For Elevated Installation >40', Add	22.91	
26 05 33 13-0078 EA 1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	66.21	19.16
For Work In Restricted Working Space, Add	14.34	
For Elevated Installation >10' To 15', Add	4.78	
For Elevated Installation >15' To 20', Add	9.56	
For Elevated Installation >20' To 25', Add	11.95	
For Elevated Installation >25' To 30', Add	16.73	
For Elevated Installation >30' To 35', Add	19.12	
For Elevated Installation >35' To 40', Add	23.91	
For Elevated Installation >40', Add	26.30	
26 05 33 13-0079 EA 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	77.89	21.06
For Work In Restricted Working Space, Add	15.78	
For Elevated Installation >10' To 15', Add	5.26	
For Elevated Installation >15' To 20', Add	10.52	
For Elevated Installation >20' To 25', Add	13.15	
For Elevated Installation >25' To 30', Add	18.41	
For Elevated Installation >30' To 35', Add	21.04	
For Elevated Installation >35' To 40', Add	26.30	
For Elevated Installation >40', Add	28.93	
26 05 33 13-0080 EA 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	110.81	26.30
For Work In Restricted Working Space, Add	19.72	
For Elevated Installation >10' To 15', Add	6.57	
For Elevated Installation >15' To 20', Add	13.15	
For Elevated Installation >20' To 25', Add	16.44	
For Elevated Installation >25' To 30', Add	23.01	
For Elevated Installation >30' To 35', Add	26.30	
For Elevated Installation >35' To 40', Add	32.87	
For Elevated Installation >40', Add	36.16	
26 05 33 13-0081 EA 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	156.65	35.83
For Work In Restricted Working Space, Add	26.87	
For Elevated Installation >10' To 15', Add	8.96	
For Elevated Installation >15' To 20', Add	17.91	
For Elevated Installation >20' To 25', Add	22.39	
For Elevated Installation >25' To 30', Add	31.35	
For Elevated Installation >30' To 35', Add	35.82	
For Elevated Installation >35' To 40', Add	44.78	
For Elevated Installation >40', Add	49.26	
26 05 33 13-0082 EA 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	205.91	40.40
For Work In Restricted Working Space, Add	30.31	
For Elevated Installation >10' To 15', Add	10.10	
For Elevated Installation >15' To 20', Add	20.20	
For Elevated Installation >20' To 25', Add	25.26	
For Elevated Installation >25' To 30', Add	35.36	
For Elevated Installation >30' To 35', Add	40.41	
For Elevated Installation >35' To 40', Add	50.51	
For Elevated Installation >40', Add	55.56	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0083 EA 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	252.36	52.61
For Work In Restricted Working Space, Add	39.44	
For Elevated Installation >10' To 15', Add	13.15	
For Elevated Installation >15' To 20', Add	26.30	
For Elevated Installation >20' To 25', Add	32.87	
For Elevated Installation >25' To 30', Add	46.02	
For Elevated Installation >30' To 35', Add	52.59	
For Elevated Installation >35' To 40', Add	65.74	
For Elevated Installation >40', Add	72.31	
26 05 33 13-0084 EA 5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	412.75	85.76
For Work In Restricted Working Space, Add	64.32	
For Elevated Installation >10' To 15', Add	21.44	
For Elevated Installation >15' To 20', Add	42.88	
For Elevated Installation >20' To 25', Add	53.60	
For Elevated Installation >25' To 30', Add	75.04	
For Elevated Installation >30' To 35', Add	85.76	
For Elevated Installation >35' To 40', Add	107.21	
For Elevated Installation >40', Add	117.93	
26 05 33 13-0085 EA 6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	620.51	128.83
For Work In Restricted Working Space, Add	96.62	
For Elevated Installation >10' To 15', Add	32.21	
For Elevated Installation >15' To 20', Add	64.41	
For Elevated Installation >20' To 25', Add	80.52	
For Elevated Installation >25' To 30', Add	112.72	
For Elevated Installation >30' To 35', Add	128.82	
For Elevated Installation >35' To 40', Add	161.03	
For Elevated Installation >40', Add	177.13	
<b>26 05 33 13-0086 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2248 for conduit field bending.		
26 05 33 13-0087 EA 1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	28.10	9.44
For Work In Restricted Working Space, Add	7.10	
For Elevated Installation >10' To 15', Add	2.37	
For Elevated Installation >15' To 20', Add	4.73	
For Elevated Installation >20' To 25', Add	5.92	
For Elevated Installation >25' To 30', Add	8.28	
For Elevated Installation >30' To 35', Add	9.46	
For Elevated Installation >35' To 40', Add	11.83	
For Elevated Installation >40', Add	13.01	
26 05 33 13-0088 EA 3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	35.28	11.72
For Work In Restricted Working Space, Add	8.83	
For Elevated Installation >10' To 15', Add	2.94	
For Elevated Installation >15' To 20', Add	5.88	
For Elevated Installation >20' To 25', Add	7.36	
For Elevated Installation >25' To 30', Add	10.30	
For Elevated Installation >30' To 35', Add	11.77	
For Elevated Installation >35' To 40', Add	14.71	
For Elevated Installation >40', Add	16.18	
26 05 33 13-0089 EA 1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	44.90	14.39
For Work In Restricted Working Space, Add	10.76	
For Elevated Installation >10' To 15', Add	3.59	
For Elevated Installation >15' To 20', Add	7.18	
For Elevated Installation >20' To 25', Add	8.97	
For Elevated Installation >25' To 30', Add	12.56	
For Elevated Installation >30' To 35', Add	14.35	
For Elevated Installation >35' To 40', Add	17.94	
For Elevated Installation >40', Add	19.73	
26 05 33 13-0090 EA 1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	57.07	16.68
For Work In Restricted Working Space, Add	12.50	
For Elevated Installation >10' To 15', Add	4.17	
For Elevated Installation >15' To 20', Add	8.33	
For Elevated Installation >20' To 25', Add	10.41	
For Elevated Installation >25' To 30', Add	14.58	
For Elevated Installation >30' To 35', Add	16.66	
For Elevated Installation >35' To 40', Add	20.83	
For Elevated Installation >40', Add	22.91	
26 05 33 13-0091 EA 1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	66.21	19.16
For Work In Restricted Working Space, Add	14.34	
For Elevated Installation >10' To 15', Add	4.78	
For Elevated Installation >15' To 20', Add	9.56	
For Elevated Installation >20' To 25', Add	11.95	
For Elevated Installation >25' To 30', Add	16.73	
For Elevated Installation >30' To 35', Add	19.12	
For Elevated Installation >35' To 40', Add	23.91	
For Elevated Installation >40', Add	26.30	
26 05 33 13-0092 EA 2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	77.89	21.06
For Work In Restricted Working Space, Add	15.78	
For Elevated Installation >10' To 15', Add	5.26	
For Elevated Installation >15' To 20', Add	10.52	
For Elevated Installation >20' To 25', Add	13.15	
For Elevated Installation >25' To 30', Add	18.41	
For Elevated Installation >30' To 35', Add	21.04	
For Elevated Installation >35' To 40', Add	26.30	
For Elevated Installation >40', Add	28.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0093 EA 2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	108.98	26.30
For Work In Restricted Working Space, Add	19.72	
For Elevated Installation >10' To 15', Add	6.57	
For Elevated Installation >15' To 20', Add	13.15	
For Elevated Installation >20' To 25', Add	16.44	
For Elevated Installation >25' To 30', Add	23.01	
For Elevated Installation >30' To 35', Add	26.30	
For Elevated Installation >35' To 40', Add	32.87	
For Elevated Installation >40', Add	36.16	
26 05 33 13-0094 EA 3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	149.53	35.83
For Work In Restricted Working Space, Add	26.87	
For Elevated Installation >10' To 15', Add	8.96	
For Elevated Installation >15' To 20', Add	17.91	
For Elevated Installation >20' To 25', Add	22.39	
For Elevated Installation >25' To 30', Add	31.35	
For Elevated Installation >30' To 35', Add	35.82	
For Elevated Installation >35' To 40', Add	44.78	
For Elevated Installation >40', Add	49.26	
26 05 33 13-0095 EA 3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	195.89	40.40
For Work In Restricted Working Space, Add	30.31	
For Elevated Installation >10' To 15', Add	10.10	
For Elevated Installation >15' To 20', Add	20.20	
For Elevated Installation >20' To 25', Add	25.26	
For Elevated Installation >25' To 30', Add	35.36	
For Elevated Installation >30' To 35', Add	40.41	
For Elevated Installation >35' To 40', Add	50.51	
For Elevated Installation >40', Add	55.56	
26 05 33 13-0096 EA 4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	239.03	52.61
For Work In Restricted Working Space, Add	39.44	
For Elevated Installation >10' To 15', Add	13.15	
For Elevated Installation >15' To 20', Add	26.30	
For Elevated Installation >20' To 25', Add	32.87	
For Elevated Installation >25' To 30', Add	46.02	
For Elevated Installation >30' To 35', Add	52.59	
For Elevated Installation >35' To 40', Add	65.74	
For Elevated Installation >40', Add	72.31	
26 05 33 13-0097 EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	412.75	85.76
For Work In Restricted Working Space, Add	64.32	
For Elevated Installation >10' To 15', Add	21.44	
For Elevated Installation >15' To 20', Add	42.88	
For Elevated Installation >20' To 25', Add	53.60	
For Elevated Installation >25' To 30', Add	75.04	
For Elevated Installation >30' To 35', Add	85.76	
For Elevated Installation >35' To 40', Add	107.21	
For Elevated Installation >40', Add	117.93	
26 05 33 13-0098 EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	620.51	128.83
For Work In Restricted Working Space, Add	96.62	
For Elevated Installation >10' To 15', Add	32.21	
For Elevated Installation >15' To 20', Add	64.41	
For Elevated Installation >20' To 25', Add	80.52	
For Elevated Installation >25' To 30', Add	112.72	
For Elevated Installation >30' To 35', Add	128.82	
For Elevated Installation >35' To 40', Add	161.03	
For Elevated Installation >40', Add	177.13	
<b>26 05 33 13-0099 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2248 for conduit field bending.		
26 05 33 13-0100 EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	68.55	23.54
For Work In Restricted Working Space, Add	14.12	
For Elevated Installation >10' To 15', Add	4.71	
For Elevated Installation >15' To 20', Add	9.41	
For Elevated Installation >20' To 25', Add	11.77	
For Elevated Installation >25' To 30', Add	16.47	
For Elevated Installation >30' To 35', Add	18.83	
For Elevated Installation >35' To 40', Add	23.54	
For Elevated Installation >40', Add	25.89	
26 05 33 13-0101 EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	79.03	27.25
For Work In Restricted Working Space, Add	16.35	
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.90	
For Elevated Installation >20' To 25', Add	13.63	
For Elevated Installation >25' To 30', Add	19.08	
For Elevated Installation >30' To 35', Add	21.80	
For Elevated Installation >35' To 40', Add	27.26	
For Elevated Installation >40', Add	29.98	
26 05 33 13-0102 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	91.31	30.97
For Work In Restricted Working Space, Add	18.58	
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0103	EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	102.74 20.44 6.81 13.63 17.03 23.85 27.25 34.07 37.47	34.07
<b>26 05 33 13-0104</b>	<b>Rigid Galvanized Steel (RGS) 15" Large Radius Elbow</b> (26 05 33 13-0059) See CSI section 26 05 33 13-2248 for conduit field bending.		
26 05 33 13-0105	EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	74.12 14.12 4.71 9.41 11.77 16.47 18.83 23.54 25.89	23.54
26 05 33 13-0106	EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	86.19 16.35 5.45 10.90 13.63 19.08 21.80 27.26 29.98	27.25
26 05 33 13-0107	EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	94.57 18.58 6.19 12.39 15.49 21.68 24.78 30.97 34.07	30.97
26 05 33 13-0108	EA 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	106.38 20.44 6.81 13.63 17.03 23.85 27.25 34.07 37.47	34.07
26 05 33 13-0109	EA 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	140.98 25.64 8.55 17.09 21.37 29.91 34.19 42.74 47.01	42.74
26 05 33 13-0110	EA 3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	189.86 34.93 11.64 23.29 29.11 40.75 46.58 58.22 64.04	58.22
<b>26 05 33 13-0111</b>	<b>Rigid Galvanized Steel (RGS) 18" Large Radius Elbow</b> (26 05 33 13-0059) See CSI section 26 05 33 13-2248 for conduit field bending.		
26 05 33 13-0112	EA 1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	74.38 14.12 4.71 9.41 11.77 16.47 18.83 23.54 25.89	23.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0113 EA 1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	85.48	27.25
For Work In Restricted Working Space, Add	16.35	
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.90	
For Elevated Installation >20' To 25', Add	13.63	
For Elevated Installation >25' To 30', Add	19.08	
For Elevated Installation >30' To 35', Add	21.80	
For Elevated Installation >35' To 40', Add	27.26	
For Elevated Installation >40', Add	29.98	
26 05 33 13-0114 EA 1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	98.10	30.97
For Work In Restricted Working Space, Add	18.58	
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	
26 05 33 13-0115 EA 2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	114.27	34.07
For Work In Restricted Working Space, Add	20.44	
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
26 05 33 13-0116 EA 2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	148.34	42.74
For Work In Restricted Working Space, Add	25.64	
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
26 05 33 13-0117 EA 3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	195.79	58.22
For Work In Restricted Working Space, Add	34.93	
For Elevated Installation >10' To 15', Add	11.64	
For Elevated Installation >15' To 20', Add	23.29	
For Elevated Installation >20' To 25', Add	29.11	
For Elevated Installation >25' To 30', Add	40.75	
For Elevated Installation >30' To 35', Add	46.58	
For Elevated Installation >35' To 40', Add	58.22	
For Elevated Installation >40', Add	64.04	
26 05 33 13-0118 EA 3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	243.47	65.65
For Work In Restricted Working Space, Add	39.39	
For Elevated Installation >10' To 15', Add	13.13	
For Elevated Installation >15' To 20', Add	26.26	
For Elevated Installation >20' To 25', Add	32.83	
For Elevated Installation >25' To 30', Add	45.96	
For Elevated Installation >30' To 35', Add	52.52	
For Elevated Installation >35' To 40', Add	65.66	
For Elevated Installation >40', Add	72.22	
26 05 33 13-0119 EA 4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	296.28	85.47
For Work In Restricted Working Space, Add	51.29	
For Elevated Installation >10' To 15', Add	17.10	
For Elevated Installation >15' To 20', Add	34.19	
For Elevated Installation >20' To 25', Add	42.74	
For Elevated Installation >25' To 30', Add	59.83	
For Elevated Installation >30' To 35', Add	68.38	
For Elevated Installation >35' To 40', Add	85.48	
For Elevated Installation >40', Add	94.02	
<b>26 05 33 13-0120 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2248 for conduit field bending.		
26 05 33 13-0121 EA 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	83.27	23.54
For Work In Restricted Working Space, Add	14.12	
For Elevated Installation >10' To 15', Add	4.71	
For Elevated Installation >15' To 20', Add	9.41	
For Elevated Installation >20' To 25', Add	11.77	
For Elevated Installation >25' To 30', Add	16.47	
For Elevated Installation >30' To 35', Add	18.83	
For Elevated Installation >35' To 40', Add	23.54	
For Elevated Installation >40', Add	25.89	
26 05 33 13-0122 EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	94.20	27.25
For Work In Restricted Working Space, Add	16.35	
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.90	
For Elevated Installation >20' To 25', Add	13.63	
For Elevated Installation >25' To 30', Add	19.08	
For Elevated Installation >30' To 35', Add	21.80	
For Elevated Installation >35' To 40', Add	27.26	
For Elevated Installation >40', Add	29.98	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0123 EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	104.63	30.97
For Work In Restricted Working Space, Add	18.58	
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	
26 05 33 13-0124 EA 2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	123.90	34.07
For Work In Restricted Working Space, Add	20.44	
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
26 05 33 13-0125 EA 2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	161.46	42.74
For Work In Restricted Working Space, Add	25.64	
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
26 05 33 13-0126 EA 3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	216.36	58.22
For Work In Restricted Working Space, Add	34.93	
For Elevated Installation >10' To 15', Add	11.64	
For Elevated Installation >15' To 20', Add	23.29	
For Elevated Installation >20' To 25', Add	29.11	
For Elevated Installation >25' To 30', Add	40.75	
For Elevated Installation >30' To 35', Add	46.58	
For Elevated Installation >35' To 40', Add	58.22	
For Elevated Installation >40', Add	64.04	
26 05 33 13-0127 EA 3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	263.47	65.65
For Work In Restricted Working Space, Add	39.39	
For Elevated Installation >10' To 15', Add	13.13	
For Elevated Installation >15' To 20', Add	26.26	
For Elevated Installation >20' To 25', Add	32.83	
For Elevated Installation >25' To 30', Add	45.96	
For Elevated Installation >30' To 35', Add	52.52	
For Elevated Installation >35' To 40', Add	65.66	
For Elevated Installation >40', Add	72.22	
26 05 33 13-0128 EA 4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	312.22	85.47
For Work In Restricted Working Space, Add	51.29	
For Elevated Installation >10' To 15', Add	17.10	
For Elevated Installation >15' To 20', Add	34.19	
For Elevated Installation >20' To 25', Add	42.74	
For Elevated Installation >25' To 30', Add	59.83	
For Elevated Installation >30' To 35', Add	68.38	
For Elevated Installation >35' To 40', Add	85.48	
For Elevated Installation >40', Add	94.02	
<b>26 05 33 13-0129 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2248 for conduit field bending.		
26 05 33 13-0130 EA 1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	82.74	23.54
For Work In Restricted Working Space, Add	14.12	
For Elevated Installation >10' To 15', Add	4.71	
For Elevated Installation >15' To 20', Add	9.42	
For Elevated Installation >20' To 25', Add	11.77	
For Elevated Installation >25' To 30', Add	16.48	
For Elevated Installation >30' To 35', Add	18.83	
For Elevated Installation >35' To 40', Add	23.54	
For Elevated Installation >40', Add	25.89	
26 05 33 13-0131 EA 1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	100.68	27.25
For Work In Restricted Working Space, Add	16.35	
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.90	
For Elevated Installation >20' To 25', Add	13.63	
For Elevated Installation >25' To 30', Add	19.08	
For Elevated Installation >30' To 35', Add	21.80	
For Elevated Installation >35' To 40', Add	27.26	
For Elevated Installation >40', Add	29.98	
26 05 33 13-0132 EA 1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	111.64	30.97
For Work In Restricted Working Space, Add	18.58	
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0133 EA 2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	133.06	34.07
For Work In Restricted Working Space, Add	20.44	
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
26 05 33 13-0134 EA 2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	174.05	42.74
For Work In Restricted Working Space, Add	25.64	
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
26 05 33 13-0135 EA 3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	232.61	58.22
For Work In Restricted Working Space, Add	34.93	
For Elevated Installation >10' To 15', Add	11.64	
For Elevated Installation >15' To 20', Add	23.29	
For Elevated Installation >20' To 25', Add	29.11	
For Elevated Installation >25' To 30', Add	40.75	
For Elevated Installation >30' To 35', Add	46.58	
For Elevated Installation >35' To 40', Add	58.22	
For Elevated Installation >40', Add	64.04	
26 05 33 13-0136 EA 3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	283.25	65.65
For Work In Restricted Working Space, Add	39.39	
For Elevated Installation >10' To 15', Add	13.13	
For Elevated Installation >15' To 20', Add	26.26	
For Elevated Installation >20' To 25', Add	32.83	
For Elevated Installation >25' To 30', Add	45.96	
For Elevated Installation >30' To 35', Add	52.52	
For Elevated Installation >35' To 40', Add	65.66	
For Elevated Installation >40', Add	72.22	
26 05 33 13-0137 EA 4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	341.49	85.47
For Work In Restricted Working Space, Add	51.29	
For Elevated Installation >10' To 15', Add	17.10	
For Elevated Installation >15' To 20', Add	34.19	
For Elevated Installation >20' To 25', Add	42.74	
For Elevated Installation >25' To 30', Add	59.83	
For Elevated Installation >30' To 35', Add	68.38	
For Elevated Installation >35' To 40', Add	85.48	
For Elevated Installation >40', Add	94.02	
26 05 33 13-0138 EA 5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	497.77	139.36
For Work In Restricted Working Space, Add	83.62	
For Elevated Installation >10' To 15', Add	27.87	
For Elevated Installation >15' To 20', Add	55.74	
For Elevated Installation >20' To 25', Add	69.68	
For Elevated Installation >25' To 30', Add	97.55	
For Elevated Installation >30' To 35', Add	111.49	
For Elevated Installation >35' To 40', Add	139.36	
For Elevated Installation >40', Add	153.30	
<b>26 05 33 13-0139 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2248 for conduit field bending.		
26 05 33 13-0140 EA 1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	87.47	23.54
For Work In Restricted Working Space, Add	14.12	
For Elevated Installation >10' To 15', Add	4.71	
For Elevated Installation >15' To 20', Add	9.41	
For Elevated Installation >20' To 25', Add	11.77	
For Elevated Installation >25' To 30', Add	16.47	
For Elevated Installation >30' To 35', Add	18.83	
For Elevated Installation >35' To 40', Add	23.54	
For Elevated Installation >40', Add	25.89	
26 05 33 13-0141 EA 1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	103.87	27.25
For Work In Restricted Working Space, Add	16.35	
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.90	
For Elevated Installation >20' To 25', Add	13.63	
For Elevated Installation >25' To 30', Add	19.08	
For Elevated Installation >30' To 35', Add	21.80	
For Elevated Installation >35' To 40', Add	27.26	
For Elevated Installation >40', Add	29.98	
26 05 33 13-0142 EA 1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	123.93	30.97
For Work In Restricted Working Space, Add	18.58	
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0143 EA 2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	140.22	34.07
For Work In Restricted Working Space, Add	20.44	
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
26 05 33 13-0144 EA 2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	188.98	42.74
For Work In Restricted Working Space, Add	25.64	
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
26 05 33 13-0145 EA 3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	246.50	58.22
For Work In Restricted Working Space, Add	34.93	
For Elevated Installation >10' To 15', Add	11.64	
For Elevated Installation >15' To 20', Add	23.29	
For Elevated Installation >20' To 25', Add	29.11	
For Elevated Installation >25' To 30', Add	40.75	
For Elevated Installation >30' To 35', Add	46.58	
For Elevated Installation >35' To 40', Add	58.22	
For Elevated Installation >40', Add	64.04	
26 05 33 13-0146 EA 3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	308.78	65.65
For Work In Restricted Working Space, Add	39.39	
For Elevated Installation >10' To 15', Add	13.13	
For Elevated Installation >15' To 20', Add	26.26	
For Elevated Installation >20' To 25', Add	32.83	
For Elevated Installation >25' To 30', Add	45.96	
For Elevated Installation >30' To 35', Add	52.52	
For Elevated Installation >35' To 40', Add	65.66	
For Elevated Installation >40', Add	72.22	
26 05 33 13-0147 EA 4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	355.26	85.47
For Work In Restricted Working Space, Add	51.29	
For Elevated Installation >10' To 15', Add	17.10	
For Elevated Installation >15' To 20', Add	34.19	
For Elevated Installation >20' To 25', Add	42.74	
For Elevated Installation >25' To 30', Add	59.83	
For Elevated Installation >30' To 35', Add	68.38	
For Elevated Installation >35' To 40', Add	85.48	
For Elevated Installation >40', Add	94.02	
26 05 33 13-0148 EA 5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	610.10	139.36
For Work In Restricted Working Space, Add	83.62	
For Elevated Installation >10' To 15', Add	27.87	
For Elevated Installation >15' To 20', Add	55.74	
For Elevated Installation >20' To 25', Add	69.68	
For Elevated Installation >25' To 30', Add	97.55	
For Elevated Installation >30' To 35', Add	111.49	
For Elevated Installation >35' To 40', Add	139.36	
For Elevated Installation >40', Add	153.30	
26 05 33 13-0149 EA 6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	782.77	209.36
For Work In Restricted Working Space, Add	125.61	
For Elevated Installation >10' To 15', Add	41.87	
For Elevated Installation >15' To 20', Add	83.74	
For Elevated Installation >20' To 25', Add	104.68	
For Elevated Installation >25' To 30', Add	146.55	
For Elevated Installation >30' To 35', Add	167.48	
For Elevated Installation >35' To 40', Add	209.36	
For Elevated Installation >40', Add	230.29	
<b>26 05 33 13-0150 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2248 for conduit field bending.		
26 05 33 13-0151 EA 1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	94.43	23.54
For Work In Restricted Working Space, Add	14.12	
For Elevated Installation >10' To 15', Add	4.71	
For Elevated Installation >15' To 20', Add	9.42	
For Elevated Installation >20' To 25', Add	11.77	
For Elevated Installation >25' To 30', Add	16.48	
For Elevated Installation >30' To 35', Add	18.83	
For Elevated Installation >35' To 40', Add	23.54	
For Elevated Installation >40', Add	25.89	
26 05 33 13-0152 EA 1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	112.36	27.25
For Work In Restricted Working Space, Add	16.35	
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.90	
For Elevated Installation >20' To 25', Add	13.63	
For Elevated Installation >25' To 30', Add	19.08	
For Elevated Installation >30' To 35', Add	21.80	
For Elevated Installation >35' To 40', Add	27.26	
For Elevated Installation >40', Add	29.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0153 EA 1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	132.96	30.97
<i>For Work In Restricted Working Space, Add</i>	18.58	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.39	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.49	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	24.78	
<i>For Elevated Installation &gt;35' To 40', Add</i>	30.97	
<i>For Elevated Installation &gt;40', Add</i>	34.07	
26 05 33 13-0154 EA 2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	149.66	34.07
<i>For Work In Restricted Working Space, Add</i>	20.44	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63	
<i>For Elevated Installation &gt;20' To 25', Add</i>	17.03	
<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85	
<i>For Elevated Installation &gt;30' To 35', Add</i>	27.25	
<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07	
<i>For Elevated Installation &gt;40', Add</i>	37.47	
26 05 33 13-0155 EA 2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	200.40	42.74
<i>For Work In Restricted Working Space, Add</i>	25.64	
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.55	
<i>For Elevated Installation &gt;15' To 20', Add</i>	17.09	
<i>For Elevated Installation &gt;20' To 25', Add</i>	21.37	
<i>For Elevated Installation &gt;25' To 30', Add</i>	29.91	
<i>For Elevated Installation &gt;30' To 35', Add</i>	34.19	
<i>For Elevated Installation &gt;35' To 40', Add</i>	42.74	
<i>For Elevated Installation &gt;40', Add</i>	47.01	
26 05 33 13-0156 EA 3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	266.86	58.22
<i>For Work In Restricted Working Space, Add</i>	34.93	
<i>For Elevated Installation &gt;10' To 15', Add</i>	11.64	
<i>For Elevated Installation &gt;15' To 20', Add</i>	23.29	
<i>For Elevated Installation &gt;20' To 25', Add</i>	29.11	
<i>For Elevated Installation &gt;25' To 30', Add</i>	40.75	
<i>For Elevated Installation &gt;30' To 35', Add</i>	46.58	
<i>For Elevated Installation &gt;35' To 40', Add</i>	58.22	
<i>For Elevated Installation &gt;40', Add</i>	64.04	
26 05 33 13-0157 EA 3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	329.20	65.65
<i>For Work In Restricted Working Space, Add</i>	39.39	
<i>For Elevated Installation &gt;10' To 15', Add</i>	13.13	
<i>For Elevated Installation &gt;15' To 20', Add</i>	26.26	
<i>For Elevated Installation &gt;20' To 25', Add</i>	32.83	
<i>For Elevated Installation &gt;25' To 30', Add</i>	45.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	52.52	
<i>For Elevated Installation &gt;35' To 40', Add</i>	65.66	
<i>For Elevated Installation &gt;40', Add</i>	72.22	
26 05 33 13-0158 EA 4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	414.00	85.47
<i>For Work In Restricted Working Space, Add</i>	51.29	
<i>For Elevated Installation &gt;10' To 15', Add</i>	17.10	
<i>For Elevated Installation &gt;15' To 20', Add</i>	34.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	42.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	59.83	
<i>For Elevated Installation &gt;30' To 35', Add</i>	68.38	
<i>For Elevated Installation &gt;35' To 40', Add</i>	85.48	
<i>For Elevated Installation &gt;40', Add</i>	94.02	
26 05 33 13-0159 EA 5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	691.13	139.36
<i>For Work In Restricted Working Space, Add</i>	83.62	
<i>For Elevated Installation &gt;10' To 15', Add</i>	27.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	55.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	69.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	97.55	
<i>For Elevated Installation &gt;30' To 35', Add</i>	111.49	
<i>For Elevated Installation &gt;35' To 40', Add</i>	139.36	
<i>For Elevated Installation &gt;40', Add</i>	153.30	
26 05 33 13-0160 EA 6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	852.94	209.36
<i>For Work In Restricted Working Space, Add</i>	125.61	
<i>For Elevated Installation &gt;10' To 15', Add</i>	41.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	83.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	104.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	146.55	
<i>For Elevated Installation &gt;30' To 35', Add</i>	167.48	
<i>For Elevated Installation &gt;35' To 40', Add</i>	209.36	
<i>For Elevated Installation &gt;40', Add</i>	230.29	
<b>26 05 33 13-0161 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2248 for conduit field bending.		
26 05 33 13-0162 EA 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	100.22	23.54
<i>For Work In Restricted Working Space, Add</i>	14.12	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.71	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.42	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.77	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.48	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.83	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.54	
<i>For Elevated Installation &gt;40', Add</i>	25.89	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0163 EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	118.89	27.25
For Work In Restricted Working Space, Add	16.35	
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.90	
For Elevated Installation >20' To 25', Add	13.63	
For Elevated Installation >25' To 30', Add	19.08	
For Elevated Installation >30' To 35', Add	21.80	
For Elevated Installation >35' To 40', Add	27.26	
For Elevated Installation >40', Add	29.98	
26 05 33 13-0164 EA 1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	138.66	30.97
For Work In Restricted Working Space, Add	18.58	
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	
26 05 33 13-0165 EA 2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	167.28	34.07
For Work In Restricted Working Space, Add	20.44	
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
26 05 33 13-0166 EA 2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	221.46	42.74
For Work In Restricted Working Space, Add	25.64	
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
26 05 33 13-0167 EA 3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	287.37	58.22
For Work In Restricted Working Space, Add	34.93	
For Elevated Installation >10' To 15', Add	11.64	
For Elevated Installation >15' To 20', Add	23.29	
For Elevated Installation >20' To 25', Add	29.11	
For Elevated Installation >25' To 30', Add	40.75	
For Elevated Installation >30' To 35', Add	46.58	
For Elevated Installation >35' To 40', Add	58.22	
For Elevated Installation >40', Add	64.04	
26 05 33 13-0168 EA 3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	354.86	65.65
For Work In Restricted Working Space, Add	39.39	
For Elevated Installation >10' To 15', Add	13.13	
For Elevated Installation >15' To 20', Add	26.26	
For Elevated Installation >20' To 25', Add	32.83	
For Elevated Installation >25' To 30', Add	45.96	
For Elevated Installation >30' To 35', Add	52.52	
For Elevated Installation >35' To 40', Add	65.66	
For Elevated Installation >40', Add	72.22	
26 05 33 13-0169 EA 4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	445.17	85.47
For Work In Restricted Working Space, Add	51.29	
For Elevated Installation >10' To 15', Add	17.10	
For Elevated Installation >15' To 20', Add	34.19	
For Elevated Installation >20' To 25', Add	42.74	
For Elevated Installation >25' To 30', Add	59.83	
For Elevated Installation >30' To 35', Add	68.38	
For Elevated Installation >35' To 40', Add	85.48	
For Elevated Installation >40', Add	94.02	
26 05 33 13-0170 EA 5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	716.51	139.36
For Work In Restricted Working Space, Add	83.62	
For Elevated Installation >10' To 15', Add	27.87	
For Elevated Installation >15' To 20', Add	55.74	
For Elevated Installation >20' To 25', Add	69.68	
For Elevated Installation >25' To 30', Add	97.55	
For Elevated Installation >30' To 35', Add	111.49	
For Elevated Installation >35' To 40', Add	139.36	
For Elevated Installation >40', Add	153.30	
26 05 33 13-0171 EA 6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	867.14	209.36
For Work In Restricted Working Space, Add	125.61	
For Elevated Installation >10' To 15', Add	41.87	
For Elevated Installation >15' To 20', Add	83.74	
For Elevated Installation >20' To 25', Add	104.68	
For Elevated Installation >25' To 30', Add	146.55	
For Elevated Installation >30' To 35', Add	167.48	
For Elevated Installation >35' To 40', Add	209.36	
For Elevated Installation >40', Add	230.29	

26 05 33 13-0172 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing (26 05 33 13-0059)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0173 EA 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	12.46	6.08
For Work In Restricted Working Space, Add	3.65	
For Elevated Installation >10' To 15', Add	1.22	
For Elevated Installation >15' To 20', Add	2.43	
For Elevated Installation >20' To 25', Add	3.04	
For Elevated Installation >25' To 30', Add	4.25	
For Elevated Installation >30' To 35', Add	4.86	
For Elevated Installation >35' To 40', Add	6.08	
For Elevated Installation >40', Add	6.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.65	
26 05 33 13-0174 EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	13.37	6.48
For Work In Restricted Working Space, Add	3.89	
For Elevated Installation >10' To 15', Add	1.30	
For Elevated Installation >15' To 20', Add	2.59	
For Elevated Installation >20' To 25', Add	3.24	
For Elevated Installation >25' To 30', Add	4.54	
For Elevated Installation >30' To 35', Add	5.18	
For Elevated Installation >35' To 40', Add	6.48	
For Elevated Installation >40', Add	7.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.89	
26 05 33 13-0175 EA 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	15.21	7.29
For Work In Restricted Working Space, Add	4.37	
For Elevated Installation >10' To 15', Add	1.46	
For Elevated Installation >15' To 20', Add	2.92	
For Elevated Installation >20' To 25', Add	3.65	
For Elevated Installation >25' To 30', Add	5.10	
For Elevated Installation >30' To 35', Add	5.83	
For Elevated Installation >35' To 40', Add	7.29	
For Elevated Installation >40', Add	8.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.37	
26 05 33 13-0176 EA 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	17.11	8.10
For Work In Restricted Working Space, Add	4.86	
For Elevated Installation >10' To 15', Add	1.62	
For Elevated Installation >15' To 20', Add	3.24	
For Elevated Installation >20' To 25', Add	4.05	
For Elevated Installation >25' To 30', Add	5.67	
For Elevated Installation >30' To 35', Add	6.48	
For Elevated Installation >35' To 40', Add	8.10	
For Elevated Installation >40', Add	8.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.86	
26 05 33 13-0177 EA 1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	21.49	10.12
For Work In Restricted Working Space, Add	6.08	
For Elevated Installation >10' To 15', Add	2.03	
For Elevated Installation >15' To 20', Add	4.05	
For Elevated Installation >20' To 25', Add	5.06	
For Elevated Installation >25' To 30', Add	7.09	
For Elevated Installation >30' To 35', Add	8.10	
For Elevated Installation >35' To 40', Add	10.13	
For Elevated Installation >40', Add	11.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.08	
26 05 33 13-0178 EA 2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	26.60	12.15
For Work In Restricted Working Space, Add	7.29	
For Elevated Installation >10' To 15', Add	2.43	
For Elevated Installation >15' To 20', Add	4.86	
For Elevated Installation >20' To 25', Add	6.08	
For Elevated Installation >25' To 30', Add	8.51	
For Elevated Installation >30' To 35', Add	9.72	
For Elevated Installation >35' To 40', Add	12.15	
For Elevated Installation >40', Add	13.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.29	
26 05 33 13-0179 EA 2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	33.44	14.17
For Work In Restricted Working Space, Add	8.51	
For Elevated Installation >10' To 15', Add	2.84	
For Elevated Installation >15' To 20', Add	5.67	
For Elevated Installation >20' To 25', Add	7.09	
For Elevated Installation >25' To 30', Add	9.92	
For Elevated Installation >30' To 35', Add	11.34	
For Elevated Installation >35' To 40', Add	14.18	
For Elevated Installation >40', Add	15.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.51	
26 05 33 13-0180 EA 3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	37.77	16.20
For Work In Restricted Working Space, Add	9.72	
For Elevated Installation >10' To 15', Add	3.24	
For Elevated Installation >15' To 20', Add	6.48	
For Elevated Installation >20' To 25', Add	8.10	
For Elevated Installation >25' To 30', Add	11.34	
For Elevated Installation >30' To 35', Add	12.96	
For Elevated Installation >35' To 40', Add	16.20	
For Elevated Installation >40', Add	17.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.72	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0181	EA		3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	43.91	15.24
			<i>For Work In Restricted Working Space, Add</i>	10.94	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.65	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.29	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	18.23	
			<i>For Elevated Installation &gt;40', Add</i>	20.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.94	
26 05 33 13-0182	EA		4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	48.71	20.25
			<i>For Work In Restricted Working Space, Add</i>	12.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.05	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.10	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.18	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.25	
			<i>For Elevated Installation &gt;40', Add</i>	22.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.15	
26 05 33 13-0183	EA		5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	58.55	22.28
			<i>For Work In Restricted Working Space, Add</i>	13.37	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.46	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.91	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.14	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.59	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.82	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	22.28	
			<i>For Elevated Installation &gt;40', Add</i>	24.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.37	
26 05 33 13-0184	EA		6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	84.04	24.30
			<i>For Work In Restricted Working Space, Add</i>	14.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.15	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.44	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.30	
			<i>For Elevated Installation &gt;40', Add</i>	26.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.58	
<b>26 05 33 13-0185</b>			<b>Rigid Galvanized Steel (RGS) Steel Bushing</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0186	EA		1/2" Rigid Galvanized Steel (RGS) Steel Bushing .....	15.07	7.15
			<i>For Work In Restricted Working Space, Add</i>	4.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.43	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.57	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.15	
			<i>For Elevated Installation &gt;40', Add</i>	7.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-0187	EA		3/4" Rigid Galvanized Steel (RGS) Steel Bushing .....	16.38	7.62
			<i>For Work In Restricted Working Space, Add</i>	4.57	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.05	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.10	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.62	
			<i>For Elevated Installation &gt;40', Add</i>	8.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.57	
26 05 33 13-0188	EA		1" Rigid Galvanized Steel (RGS) Steel Bushing .....	19.12	8.58
			<i>For Work In Restricted Working Space, Add</i>	5.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.58	
			<i>For Elevated Installation &gt;40', Add</i>	9.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.15	
26 05 33 13-0189	EA		1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing .....	21.50	9.53
			<i>For Work In Restricted Working Space, Add</i>	5.72	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.91	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.81	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.77	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.62	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.53	
			<i>For Elevated Installation &gt;40', Add</i>	10.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0190 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	27.43	11.92
For Work In Restricted Working Space, Add	7.15	
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.76	
For Elevated Installation >20' To 25', Add	5.96	
For Elevated Installation >25' To 30', Add	8.34	
For Elevated Installation >30' To 35', Add	9.53	
For Elevated Installation >35' To 40', Add	11.91	
For Elevated Installation >40', Add	13.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.15	
26 05 33 13-0191 EA 2" Rigid Galvanized Steel (RGS) Steel Bushing.....	32.46	14.29
For Work In Restricted Working Space, Add	8.57	
For Elevated Installation >10' To 15', Add	2.86	
For Elevated Installation >15' To 20', Add	5.72	
For Elevated Installation >20' To 25', Add	7.15	
For Elevated Installation >25' To 30', Add	10.00	
For Elevated Installation >30' To 35', Add	11.43	
For Elevated Installation >35' To 40', Add	14.29	
For Elevated Installation >40', Add	15.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.57	
26 05 33 13-0192 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	45.54	16.68
For Work In Restricted Working Space, Add	10.01	
For Elevated Installation >10' To 15', Add	3.34	
For Elevated Installation >15' To 20', Add	6.67	
For Elevated Installation >20' To 25', Add	8.34	
For Elevated Installation >25' To 30', Add	11.67	
For Elevated Installation >30' To 35', Add	13.34	
For Elevated Installation >35' To 40', Add	16.68	
For Elevated Installation >40', Add	18.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.01	
26 05 33 13-0193 EA 3" Rigid Galvanized Steel (RGS) Steel Bushing.....	54.10	19.06
For Work In Restricted Working Space, Add	11.43	
For Elevated Installation >10' To 15', Add	3.81	
For Elevated Installation >15' To 20', Add	7.62	
For Elevated Installation >20' To 25', Add	9.53	
For Elevated Installation >25' To 30', Add	13.34	
For Elevated Installation >30' To 35', Add	15.24	
For Elevated Installation >35' To 40', Add	19.06	
For Elevated Installation >40', Add	20.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.43	
26 05 33 13-0194 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	80.23	21.44
For Work In Restricted Working Space, Add	12.86	
For Elevated Installation >10' To 15', Add	4.29	
For Elevated Installation >15' To 20', Add	8.58	
For Elevated Installation >20' To 25', Add	10.72	
For Elevated Installation >25' To 30', Add	15.01	
For Elevated Installation >30' To 35', Add	17.15	
For Elevated Installation >35' To 40', Add	21.44	
For Elevated Installation >40', Add	23.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 05 33 13-0195 EA 4" Rigid Galvanized Steel (RGS) Steel Bushing.....	108.21	23.82
For Work In Restricted Working Space, Add	14.29	
For Elevated Installation >10' To 15', Add	4.76	
For Elevated Installation >15' To 20', Add	9.53	
For Elevated Installation >20' To 25', Add	11.91	
For Elevated Installation >25' To 30', Add	16.67	
For Elevated Installation >30' To 35', Add	19.06	
For Elevated Installation >35' To 40', Add	23.82	
For Elevated Installation >40', Add	26.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.29	
26 05 33 13-0196 EA 5" Rigid Galvanized Steel (RGS) Steel Bushing.....	144.28	26.21
For Work In Restricted Working Space, Add	15.72	
For Elevated Installation >10' To 15', Add	5.24	
For Elevated Installation >15' To 20', Add	10.48	
For Elevated Installation >20' To 25', Add	13.10	
For Elevated Installation >25' To 30', Add	18.34	
For Elevated Installation >30' To 35', Add	20.96	
For Elevated Installation >35' To 40', Add	26.21	
For Elevated Installation >40', Add	28.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.72	
26 05 33 13-0197 EA 6" Rigid Galvanized Steel (RGS) Steel Bushing.....	212.24	28.58
For Work In Restricted Working Space, Add	17.15	
For Elevated Installation >10' To 15', Add	5.72	
For Elevated Installation >15' To 20', Add	11.44	
For Elevated Installation >20' To 25', Add	14.30	
For Elevated Installation >25' To 30', Add	20.01	
For Elevated Installation >30' To 35', Add	22.87	
For Elevated Installation >35' To 40', Add	28.59	
For Elevated Installation >40', Add	31.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.15	

26 05 33 13-0198 Rigid Galvanized Steel (RGS) Steel Insulated Bushing (26 05 33 13-0059)

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0199 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	15.99	7.15
For Work In Restricted Working Space, Add	4.29	
For Elevated Installation >10' To 15', Add	1.43	
For Elevated Installation >15' To 20', Add	2.86	
For Elevated Installation >20' To 25', Add	3.57	
For Elevated Installation >25' To 30', Add	5.00	
For Elevated Installation >30' To 35', Add	5.72	
For Elevated Installation >35' To 40', Add	7.15	
For Elevated Installation >40', Add	7.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-0200 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	17.76	7.62
For Work In Restricted Working Space, Add	4.57	
For Elevated Installation >10' To 15', Add	1.52	
For Elevated Installation >15' To 20', Add	3.05	
For Elevated Installation >20' To 25', Add	3.81	
For Elevated Installation >25' To 30', Add	5.33	
For Elevated Installation >30' To 35', Add	6.10	
For Elevated Installation >35' To 40', Add	7.62	
For Elevated Installation >40', Add	8.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.57	
26 05 33 13-0201 EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	20.87	8.58
For Work In Restricted Working Space, Add	5.15	
For Elevated Installation >10' To 15', Add	1.72	
For Elevated Installation >15' To 20', Add	3.43	
For Elevated Installation >20' To 25', Add	4.29	
For Elevated Installation >25' To 30', Add	6.00	
For Elevated Installation >30' To 35', Add	6.86	
For Elevated Installation >35' To 40', Add	8.58	
For Elevated Installation >40', Add	9.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.15	
26 05 33 13-0202 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	24.44	9.53
For Work In Restricted Working Space, Add	5.72	
For Elevated Installation >10' To 15', Add	1.91	
For Elevated Installation >15' To 20', Add	3.81	
For Elevated Installation >20' To 25', Add	4.77	
For Elevated Installation >25' To 30', Add	6.67	
For Elevated Installation >30' To 35', Add	7.62	
For Elevated Installation >35' To 40', Add	9.53	
For Elevated Installation >40', Add	10.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.72	
26 05 33 13-0203 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	30.49	11.92
For Work In Restricted Working Space, Add	7.15	
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.76	
For Elevated Installation >20' To 25', Add	5.96	
For Elevated Installation >25' To 30', Add	8.34	
For Elevated Installation >30' To 35', Add	9.53	
For Elevated Installation >35' To 40', Add	11.91	
For Elevated Installation >40', Add	13.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.15	
26 05 33 13-0204 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	37.90	14.29
For Work In Restricted Working Space, Add	8.57	
For Elevated Installation >10' To 15', Add	2.86	
For Elevated Installation >15' To 20', Add	5.72	
For Elevated Installation >20' To 25', Add	7.15	
For Elevated Installation >25' To 30', Add	10.00	
For Elevated Installation >30' To 35', Add	11.43	
For Elevated Installation >35' To 40', Add	14.29	
For Elevated Installation >40', Add	15.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.57	
26 05 33 13-0205 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	52.91	16.68
For Work In Restricted Working Space, Add	10.01	
For Elevated Installation >10' To 15', Add	3.34	
For Elevated Installation >15' To 20', Add	6.67	
For Elevated Installation >20' To 25', Add	8.34	
For Elevated Installation >25' To 30', Add	11.67	
For Elevated Installation >30' To 35', Add	13.34	
For Elevated Installation >35' To 40', Add	16.68	
For Elevated Installation >40', Add	18.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.01	
26 05 33 13-0206 EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	62.75	19.06
For Work In Restricted Working Space, Add	11.43	
For Elevated Installation >10' To 15', Add	3.81	
For Elevated Installation >15' To 20', Add	7.62	
For Elevated Installation >20' To 25', Add	9.53	
For Elevated Installation >25' To 30', Add	13.34	
For Elevated Installation >30' To 35', Add	15.24	
For Elevated Installation >35' To 40', Add	19.06	
For Elevated Installation >40', Add	20.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.43	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0207 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing .....	81.84	21.44
For Work In Restricted Working Space, Add	12.86	
For Elevated Installation >10' To 15', Add	4.29	
For Elevated Installation >15' To 20', Add	8.58	
For Elevated Installation >20' To 25', Add	10.72	
For Elevated Installation >25' To 30', Add	15.01	
For Elevated Installation >30' To 35', Add	17.15	
For Elevated Installation >35' To 40', Add	21.44	
For Elevated Installation >40', Add	23.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 05 33 13-0208 EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	115.42	23.82
For Work In Restricted Working Space, Add	14.29	
For Elevated Installation >10' To 15', Add	4.76	
For Elevated Installation >15' To 20', Add	9.53	
For Elevated Installation >20' To 25', Add	11.91	
For Elevated Installation >25' To 30', Add	16.67	
For Elevated Installation >30' To 35', Add	19.06	
For Elevated Installation >35' To 40', Add	23.82	
For Elevated Installation >40', Add	26.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.29	
26 05 33 13-0209 EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	152.13	26.21
For Work In Restricted Working Space, Add	15.72	
For Elevated Installation >10' To 15', Add	5.24	
For Elevated Installation >15' To 20', Add	10.48	
For Elevated Installation >20' To 25', Add	13.10	
For Elevated Installation >25' To 30', Add	18.34	
For Elevated Installation >30' To 35', Add	20.96	
For Elevated Installation >35' To 40', Add	26.21	
For Elevated Installation >40', Add	28.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.72	
26 05 33 13-0210 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	215.01	28.58
For Work In Restricted Working Space, Add	17.15	
For Elevated Installation >10' To 15', Add	5.72	
For Elevated Installation >15' To 20', Add	11.44	
For Elevated Installation >20' To 25', Add	14.30	
For Elevated Installation >25' To 30', Add	20.01	
For Elevated Installation >30' To 35', Add	22.87	
For Elevated Installation >35' To 40', Add	28.59	
For Elevated Installation >40', Add	31.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.15	
<b>26 05 33 13-0211 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0212 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	23.99	8.58
For Work In Restricted Working Space, Add	5.15	
For Elevated Installation >10' To 15', Add	1.72	
For Elevated Installation >15' To 20', Add	3.43	
For Elevated Installation >20' To 25', Add	4.29	
For Elevated Installation >25' To 30', Add	6.00	
For Elevated Installation >30' To 35', Add	6.86	
For Elevated Installation >35' To 40', Add	8.58	
For Elevated Installation >40', Add	9.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.15	
26 05 33 13-0213 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	26.87	9.53
For Work In Restricted Working Space, Add	5.72	
For Elevated Installation >10' To 15', Add	1.91	
For Elevated Installation >15' To 20', Add	3.81	
For Elevated Installation >20' To 25', Add	4.77	
For Elevated Installation >25' To 30', Add	6.67	
For Elevated Installation >30' To 35', Add	7.62	
For Elevated Installation >35' To 40', Add	9.53	
For Elevated Installation >40', Add	10.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.72	
26 05 33 13-0214 EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	30.70	10.48
For Work In Restricted Working Space, Add	6.29	
For Elevated Installation >10' To 15', Add	2.10	
For Elevated Installation >15' To 20', Add	4.19	
For Elevated Installation >20' To 25', Add	5.24	
For Elevated Installation >25' To 30', Add	7.34	
For Elevated Installation >30' To 35', Add	8.38	
For Elevated Installation >35' To 40', Add	10.48	
For Elevated Installation >40', Add	11.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.29	
26 05 33 13-0215 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	36.43	11.92
For Work In Restricted Working Space, Add	7.15	
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.76	
For Elevated Installation >20' To 25', Add	5.96	
For Elevated Installation >25' To 30', Add	8.34	
For Elevated Installation >30' To 35', Add	9.53	
For Elevated Installation >35' To 40', Add	11.91	
For Elevated Installation >40', Add	13.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.15	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0216	EA		1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	44.09	14.77
			<i>For Work In Restricted Working Space, Add</i>	8.86	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.91	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.39	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.82	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.77	
			<i>For Elevated Installation &gt;40', Add</i>	16.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.86	
26 05 33 13-0217	EA		2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	55.47	17.63
			<i>For Work In Restricted Working Space, Add</i>	10.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.05	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.10	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.63	
			<i>For Elevated Installation &gt;40', Add</i>	19.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.58	
26 05 33 13-0218	EA		2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	73.99	20.49
			<i>For Work In Restricted Working Space, Add</i>	12.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.19	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.24	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.49	
			<i>For Elevated Installation &gt;40', Add</i>	22.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.29	
26 05 33 13-0219	EA		3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	81.71	23.82
			<i>For Work In Restricted Working Space, Add</i>	14.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.91	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.82	
			<i>For Elevated Installation &gt;40', Add</i>	26.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.29	
26 05 33 13-0220	EA		3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	92.39	26.68
			<i>For Work In Restricted Working Space, Add</i>	16.01	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.34	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.34	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.35	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.69	
			<i>For Elevated Installation &gt;40', Add</i>	29.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.01	
26 05 33 13-0221	EA		4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	118.80	29.54
			<i>For Work In Restricted Working Space, Add</i>	17.72	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.91	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.82	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.77	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.63	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	29.54	
			<i>For Elevated Installation &gt;40', Add</i>	32.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.72	
26 05 33 13-0222	EA		5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	167.60	32.40
			<i>For Work In Restricted Working Space, Add</i>	19.44	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.96	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.20	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.92	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	32.40	
			<i>For Elevated Installation &gt;40', Add</i>	35.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.44	
26 05 33 13-0223	EA		6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	229.93	35.74
			<i>For Work In Restricted Working Space, Add</i>	21.44	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.29	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.59	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.74	
			<i>For Elevated Installation &gt;40', Add</i>	39.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.44	

26 05 33 13-0224 Rigid Galvanized Steel (RGS) Box Connectors With Set Screw (26 05 33 13-0059)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0225 EA 1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw .....	15.74	4.38
For Work In Restricted Working Space, Add	3.26	
For Elevated Installation >10' To 15', Add	1.09	
For Elevated Installation >15' To 20', Add	2.17	
For Elevated Installation >20' To 25', Add	2.72	
For Elevated Installation >25' To 30', Add	3.80	
For Elevated Installation >30' To 35', Add	4.35	
For Elevated Installation >35' To 40', Add	5.44	
For Elevated Installation >40', Add	5.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.26	
26 05 33 13-0226 EA 3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw .....	19.36	5.05
For Work In Restricted Working Space, Add	3.78	
For Elevated Installation >10' To 15', Add	1.26	
For Elevated Installation >15' To 20', Add	2.52	
For Elevated Installation >20' To 25', Add	3.15	
For Elevated Installation >25' To 30', Add	4.41	
For Elevated Installation >30' To 35', Add	5.04	
For Elevated Installation >35' To 40', Add	6.30	
For Elevated Installation >40', Add	6.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.78	
26 05 33 13-0227 EA 1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw .....	25.97	6.10
For Work In Restricted Working Space, Add	4.55	
For Elevated Installation >10' To 15', Add	1.52	
For Elevated Installation >15' To 20', Add	3.04	
For Elevated Installation >20' To 25', Add	3.80	
For Elevated Installation >25' To 30', Add	5.31	
For Elevated Installation >30' To 35', Add	6.07	
For Elevated Installation >35' To 40', Add	7.59	
For Elevated Installation >40', Add	8.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.55	
26 05 33 13-0228 EA 1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	40.03	7.53
For Work In Restricted Working Space, Add	5.66	
For Elevated Installation >10' To 15', Add	1.89	
For Elevated Installation >15' To 20', Add	3.78	
For Elevated Installation >20' To 25', Add	4.72	
For Elevated Installation >25' To 30', Add	6.61	
For Elevated Installation >30' To 35', Add	7.55	
For Elevated Installation >35' To 40', Add	9.44	
For Elevated Installation >40', Add	10.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.66	
26 05 33 13-0229 EA 1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	54.32	10.10
For Work In Restricted Working Space, Add	7.58	
For Elevated Installation >10' To 15', Add	2.53	
For Elevated Installation >15' To 20', Add	5.05	
For Elevated Installation >20' To 25', Add	6.32	
For Elevated Installation >25' To 30', Add	8.84	
For Elevated Installation >30' To 35', Add	10.11	
For Elevated Installation >35' To 40', Add	12.64	
For Elevated Installation >40', Add	13.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.58	
26 05 33 13-0230 EA 2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	94.81	15.15
For Work In Restricted Working Space, Add	11.36	
For Elevated Installation >10' To 15', Add	3.79	
For Elevated Installation >15' To 20', Add	7.57	
For Elevated Installation >20' To 25', Add	9.46	
For Elevated Installation >25' To 30', Add	13.25	
For Elevated Installation >30' To 35', Add	15.14	
For Elevated Installation >35' To 40', Add	18.93	
For Elevated Installation >40', Add	20.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.36	
26 05 33 13-0231 EA 2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	182.89	16.77
For Work In Restricted Working Space, Add	12.58	
For Elevated Installation >10' To 15', Add	4.19	
For Elevated Installation >15' To 20', Add	8.38	
For Elevated Installation >20' To 25', Add	10.48	
For Elevated Installation >25' To 30', Add	14.67	
For Elevated Installation >30' To 35', Add	16.77	
For Elevated Installation >35' To 40', Add	20.96	
For Elevated Installation >40', Add	23.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.58	
26 05 33 13-0232 EA 3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	217.64	20.30
For Work In Restricted Working Space, Add	15.23	
For Elevated Installation >10' To 15', Add	5.08	
For Elevated Installation >15' To 20', Add	10.16	
For Elevated Installation >20' To 25', Add	12.70	
For Elevated Installation >25' To 30', Add	17.77	
For Elevated Installation >30' To 35', Add	20.31	
For Elevated Installation >35' To 40', Add	25.39	
For Elevated Installation >40', Add	27.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.23	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0233 EA 3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	296.60	25.45
For Work In Restricted Working Space, Add	19.07	
For Elevated Installation >10' To 15', Add	6.36	
For Elevated Installation >15' To 20', Add	12.71	
For Elevated Installation >20' To 25', Add	15.89	
For Elevated Installation >25' To 30', Add	22.25	
For Elevated Installation >30' To 35', Add	25.43	
For Elevated Installation >35' To 40', Add	31.79	
For Elevated Installation >40', Add	34.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.07	
26 05 33 13-0234 EA 4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	346.66	30.49
For Work In Restricted Working Space, Add	22.87	
For Elevated Installation >10' To 15', Add	7.62	
For Elevated Installation >15' To 20', Add	15.25	
For Elevated Installation >20' To 25', Add	19.06	
For Elevated Installation >25' To 30', Add	26.68	
For Elevated Installation >30' To 35', Add	30.49	
For Elevated Installation >35' To 40', Add	38.12	
For Elevated Installation >40', Add	41.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.87	
26 05 33 13-0235 EA 5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	631.32	33.92
For Work In Restricted Working Space, Add	25.41	
For Elevated Installation >10' To 15', Add	8.47	
For Elevated Installation >15' To 20', Add	16.94	
For Elevated Installation >20' To 25', Add	21.18	
For Elevated Installation >25' To 30', Add	29.65	
For Elevated Installation >30' To 35', Add	33.88	
For Elevated Installation >35' To 40', Add	42.36	
For Elevated Installation >40', Add	46.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	
26 05 33 13-0236 EA 6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	756.95	38.11
For Work In Restricted Working Space, Add	28.58	
For Elevated Installation >10' To 15', Add	9.53	
For Elevated Installation >15' To 20', Add	19.05	
For Elevated Installation >20' To 25', Add	23.82	
For Elevated Installation >25' To 30', Add	33.34	
For Elevated Installation >30' To 35', Add	38.11	
For Elevated Installation >35' To 40', Add	47.64	
For Elevated Installation >40', Add	52.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.58	
<b>26 05 33 13-0237 Rigid Galvanized Steel (RGS) Nipples (26 05 33 13-0059)</b>		
26 05 33 13-0238 EA 1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	14.15	6.20
For Work In Restricted Working Space, Add	3.72	
For Elevated Installation >10' To 15', Add	1.24	
For Elevated Installation >15' To 20', Add	2.48	
For Elevated Installation >20' To 25', Add	3.10	
For Elevated Installation >25' To 30', Add	4.34	
For Elevated Installation >30' To 35', Add	4.96	
For Elevated Installation >35' To 40', Add	6.20	
For Elevated Installation >40', Add	6.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.72	
26 05 33 13-0239 EA 3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	16.27	7.15
For Work In Restricted Working Space, Add	4.29	
For Elevated Installation >10' To 15', Add	1.43	
For Elevated Installation >15' To 20', Add	2.86	
For Elevated Installation >20' To 25', Add	3.57	
For Elevated Installation >25' To 30', Add	5.00	
For Elevated Installation >30' To 35', Add	5.72	
For Elevated Installation >35' To 40', Add	7.15	
For Elevated Installation >40', Add	7.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-0240 EA 1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.86	9.06
For Work In Restricted Working Space, Add	5.43	
For Elevated Installation >10' To 15', Add	1.81	
For Elevated Installation >15' To 20', Add	3.62	
For Elevated Installation >20' To 25', Add	4.53	
For Elevated Installation >25' To 30', Add	6.34	
For Elevated Installation >30' To 35', Add	7.24	
For Elevated Installation >35' To 40', Add	9.05	
For Elevated Installation >40', Add	9.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.43	
26 05 33 13-0241 EA 1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	24.47	10.48
For Work In Restricted Working Space, Add	6.29	
For Elevated Installation >10' To 15', Add	2.10	
For Elevated Installation >15' To 20', Add	4.19	
For Elevated Installation >20' To 25', Add	5.24	
For Elevated Installation >25' To 30', Add	7.34	
For Elevated Installation >30' To 35', Add	8.38	
For Elevated Installation >35' To 40', Add	10.48	
For Elevated Installation >40', Add	11.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0242 EA 1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	27.98	11.92
For Work In Restricted Working Space, Add	7.15	
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.76	
For Elevated Installation >20' To 25', Add	5.96	
For Elevated Installation >25' To 30', Add	8.34	
For Elevated Installation >30' To 35', Add	9.53	
For Elevated Installation >35' To 40', Add	11.91	
For Elevated Installation >40', Add	13.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.15	
26 05 33 13-0243 EA 1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	14.29	6.20
For Work In Restricted Working Space, Add	3.72	
For Elevated Installation >10' To 15', Add	1.24	
For Elevated Installation >15' To 20', Add	2.48	
For Elevated Installation >20' To 25', Add	3.10	
For Elevated Installation >25' To 30', Add	4.34	
For Elevated Installation >30' To 35', Add	4.96	
For Elevated Installation >35' To 40', Add	6.20	
For Elevated Installation >40', Add	6.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.72	
26 05 33 13-0244 EA 3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	16.49	7.15
For Work In Restricted Working Space, Add	4.29	
For Elevated Installation >10' To 15', Add	1.43	
For Elevated Installation >15' To 20', Add	2.86	
For Elevated Installation >20' To 25', Add	3.57	
For Elevated Installation >25' To 30', Add	5.00	
For Elevated Installation >30' To 35', Add	5.72	
For Elevated Installation >35' To 40', Add	7.15	
For Elevated Installation >40', Add	7.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-0245 EA 1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	21.10	9.06
For Work In Restricted Working Space, Add	5.43	
For Elevated Installation >10' To 15', Add	1.81	
For Elevated Installation >15' To 20', Add	3.62	
For Elevated Installation >20' To 25', Add	4.53	
For Elevated Installation >25' To 30', Add	6.34	
For Elevated Installation >30' To 35', Add	7.24	
For Elevated Installation >35' To 40', Add	9.05	
For Elevated Installation >40', Add	9.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.43	
26 05 33 13-0246 EA 1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	24.81	10.48
For Work In Restricted Working Space, Add	6.29	
For Elevated Installation >10' To 15', Add	2.10	
For Elevated Installation >15' To 20', Add	4.19	
For Elevated Installation >20' To 25', Add	5.24	
For Elevated Installation >25' To 30', Add	7.34	
For Elevated Installation >30' To 35', Add	8.38	
For Elevated Installation >35' To 40', Add	10.48	
For Elevated Installation >40', Add	11.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.29	
26 05 33 13-0247 EA 1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	28.51	11.92
For Work In Restricted Working Space, Add	7.15	
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.76	
For Elevated Installation >20' To 25', Add	5.96	
For Elevated Installation >25' To 30', Add	8.34	
For Elevated Installation >30' To 35', Add	9.53	
For Elevated Installation >35' To 40', Add	11.91	
For Elevated Installation >40', Add	13.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.15	
26 05 33 13-0248 EA 2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	32.35	13.34
For Work In Restricted Working Space, Add	8.00	
For Elevated Installation >10' To 15', Add	2.67	
For Elevated Installation >15' To 20', Add	5.34	
For Elevated Installation >20' To 25', Add	6.67	
For Elevated Installation >25' To 30', Add	9.34	
For Elevated Installation >30' To 35', Add	10.67	
For Elevated Installation >35' To 40', Add	13.34	
For Elevated Installation >40', Add	14.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.00	
26 05 33 13-0249 EA 1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	14.44	6.20
For Work In Restricted Working Space, Add	3.72	
For Elevated Installation >10' To 15', Add	1.24	
For Elevated Installation >15' To 20', Add	2.48	
For Elevated Installation >20' To 25', Add	3.10	
For Elevated Installation >25' To 30', Add	4.34	
For Elevated Installation >30' To 35', Add	4.96	
For Elevated Installation >35' To 40', Add	6.20	
For Elevated Installation >40', Add	6.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.72	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0250	EA	3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	.....	16.69	7.15
		<i>For Work In Restricted Working Space, Add</i>		4.29	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		1.43	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		2.86	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		3.57	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		5.00	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		5.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		7.15	
		<i>For Elevated Installation &gt;40', Add</i>		7.86	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.29	
26 05 33 13-0251	EA	1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	.....	21.44	9.06
		<i>For Work In Restricted Working Space, Add</i>		5.43	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		1.81	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		3.62	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		4.53	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		6.34	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		7.24	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		9.05	
		<i>For Elevated Installation &gt;40', Add</i>		9.96	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.43	
26 05 33 13-0252	EA	1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	.....	25.10	10.48
		<i>For Work In Restricted Working Space, Add</i>		6.29	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		2.10	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		4.19	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		5.24	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		7.34	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		8.38	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		10.48	
		<i>For Elevated Installation &gt;40', Add</i>		11.53	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.29	
26 05 33 13-0253	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	.....	28.87	11.92
		<i>For Work In Restricted Working Space, Add</i>		7.15	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		2.38	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		4.76	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		5.96	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		8.34	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		9.53	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		11.91	
		<i>For Elevated Installation &gt;40', Add</i>		13.10	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		7.15	
26 05 33 13-0254	EA	2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	.....	33.24	13.34
		<i>For Work In Restricted Working Space, Add</i>		8.00	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		2.67	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		5.34	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		6.67	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		9.34	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		10.67	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		13.34	
		<i>For Elevated Installation &gt;40', Add</i>		14.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		8.00	
26 05 33 13-0255	EA	2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	.....	45.95	16.20
		<i>For Work In Restricted Working Space, Add</i>		9.72	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		3.24	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		6.48	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		8.10	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		11.34	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		12.96	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		16.20	
		<i>For Elevated Installation &gt;40', Add</i>		17.82	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		9.72	
26 05 33 13-0256	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	.....	61.43	22.40
		<i>For Work In Restricted Working Space, Add</i>		13.43	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		4.48	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		8.96	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		11.20	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		15.67	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		17.91	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		22.39	
		<i>For Elevated Installation &gt;40', Add</i>		24.63	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		13.43	
26 05 33 13-0257	EA	1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	.....	14.64	6.20
		<i>For Work In Restricted Working Space, Add</i>		3.72	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		1.24	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		2.48	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		3.10	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		4.34	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		4.96	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		6.20	
		<i>For Elevated Installation &gt;40', Add</i>		6.81	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0258 EA 3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	16.79	7.15
<i>For Work In Restricted Working Space, Add</i>	4.29	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.43	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.86	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.57	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.72	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.15	
<i>For Elevated Installation &gt;40', Add</i>	7.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-0259 EA 1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	21.89	9.06
<i>For Work In Restricted Working Space, Add</i>	5.43	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.81	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.62	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.53	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.24	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.05	
<i>For Elevated Installation &gt;40', Add</i>	9.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 05 33 13-0260 EA 1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	25.67	10.48
<i>For Work In Restricted Working Space, Add</i>	6.29	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.10	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.24	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.38	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.48	
<i>For Elevated Installation &gt;40', Add</i>	11.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 05 33 13-0261 EA 1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	29.63	11.92
<i>For Work In Restricted Working Space, Add</i>	7.15	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.38	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.76	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.96	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.53	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.91	
<i>For Elevated Installation &gt;40', Add</i>	13.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.15	
26 05 33 13-0262 EA 2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple.....	34.15	13.34
<i>For Work In Restricted Working Space, Add</i>	8.00	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.67	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.34	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.67	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.67	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.34	
<i>For Elevated Installation &gt;40', Add</i>	14.67	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.00	
26 05 33 13-0263 EA 2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	48.41	16.20
<i>For Work In Restricted Working Space, Add</i>	9.72	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.24	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.10	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.96	
<i>For Elevated Installation &gt;35' To 40', Add</i>	16.20	
<i>For Elevated Installation &gt;40', Add</i>	17.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.72	
26 05 33 13-0264 EA 3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	63.57	22.40
<i>For Work In Restricted Working Space, Add</i>	13.43	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.48	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.96	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.20	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.67	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.91	
<i>For Elevated Installation &gt;35' To 40', Add</i>	22.39	
<i>For Elevated Installation &gt;40', Add</i>	24.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.43	
26 05 33 13-0265 EA 1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	14.83	6.20
<i>For Work In Restricted Working Space, Add</i>	3.72	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.24	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.10	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.96	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.20	
<i>For Elevated Installation &gt;40', Add</i>	6.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.72	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0266	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	17.13	7.15
		<i>For Work In Restricted Working Space, Add</i>		4.29	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		1.43	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		2.86	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		3.57	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		5.00	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		5.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		7.15	
		<i>For Elevated Installation &gt;40', Add</i>		7.86	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.29	
26 05 33 13-0267	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	22.17	9.06
		<i>For Work In Restricted Working Space, Add</i>		5.43	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		1.81	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		3.62	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		4.53	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		6.34	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		7.24	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		9.05	
		<i>For Elevated Installation &gt;40', Add</i>		9.96	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.43	
26 05 33 13-0268	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	25.95	10.48
		<i>For Work In Restricted Working Space, Add</i>		6.29	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		2.10	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		4.19	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		5.24	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		7.34	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		8.38	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		10.48	
		<i>For Elevated Installation &gt;40', Add</i>		11.53	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.29	
26 05 33 13-0269	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	30.14	11.92
		<i>For Work In Restricted Working Space, Add</i>		7.15	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		2.38	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		4.76	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		5.96	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		8.34	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		9.53	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		11.91	
		<i>For Elevated Installation &gt;40', Add</i>		13.10	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		7.15	
26 05 33 13-0270	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	34.93	13.34
		<i>For Work In Restricted Working Space, Add</i>		8.00	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		2.67	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		5.34	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		6.67	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		9.34	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		10.67	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		13.34	
		<i>For Elevated Installation &gt;40', Add</i>		14.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		8.00	
26 05 33 13-0271	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	49.17	16.20
		<i>For Work In Restricted Working Space, Add</i>		9.72	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		3.24	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		6.48	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		8.10	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		11.34	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		12.96	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		16.20	
		<i>For Elevated Installation &gt;40', Add</i>		17.82	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		9.72	
26 05 33 13-0272	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	65.15	22.40
		<i>For Work In Restricted Working Space, Add</i>		13.43	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		4.48	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		8.96	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		11.20	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		15.67	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		17.91	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		22.39	
		<i>For Elevated Installation &gt;40', Add</i>		24.63	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		13.43	
26 05 33 13-0273	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	75.29	25.25
		<i>For Work In Restricted Working Space, Add</i>		15.15	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		5.05	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		10.10	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		12.63	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		17.68	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		20.20	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		25.25	
		<i>For Elevated Installation &gt;40', Add</i>		27.78	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		15.15	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0274 EA 4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	93.57	32.88
For Work In Restricted Working Space, Add	19.72	
For Elevated Installation >10' To 15', Add	6.57	
For Elevated Installation >15' To 20', Add	13.15	
For Elevated Installation >20' To 25', Add	16.44	
For Elevated Installation >25' To 30', Add	23.01	
For Elevated Installation >30' To 35', Add	26.30	
For Elevated Installation >35' To 40', Add	32.87	
For Elevated Installation >40', Add	36.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.72	
26 05 33 13-0275 EA 1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	15.12	6.20
For Work In Restricted Working Space, Add	3.72	
For Elevated Installation >10' To 15', Add	1.24	
For Elevated Installation >15' To 20', Add	2.48	
For Elevated Installation >20' To 25', Add	3.10	
For Elevated Installation >25' To 30', Add	4.34	
For Elevated Installation >30' To 35', Add	4.96	
For Elevated Installation >35' To 40', Add	6.20	
For Elevated Installation >40', Add	6.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.72	
26 05 33 13-0276 EA 3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	17.55	7.15
For Work In Restricted Working Space, Add	4.29	
For Elevated Installation >10' To 15', Add	1.43	
For Elevated Installation >15' To 20', Add	2.86	
For Elevated Installation >20' To 25', Add	3.57	
For Elevated Installation >25' To 30', Add	5.00	
For Elevated Installation >30' To 35', Add	5.72	
For Elevated Installation >35' To 40', Add	7.15	
For Elevated Installation >40', Add	7.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-0277 EA 1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	22.71	9.06
For Work In Restricted Working Space, Add	5.43	
For Elevated Installation >10' To 15', Add	1.81	
For Elevated Installation >15' To 20', Add	3.62	
For Elevated Installation >20' To 25', Add	4.53	
For Elevated Installation >25' To 30', Add	6.34	
For Elevated Installation >30' To 35', Add	7.24	
For Elevated Installation >35' To 40', Add	9.05	
For Elevated Installation >40', Add	9.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.43	
26 05 33 13-0278 EA 1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	26.74	10.48
For Work In Restricted Working Space, Add	6.29	
For Elevated Installation >10' To 15', Add	2.10	
For Elevated Installation >15' To 20', Add	4.19	
For Elevated Installation >20' To 25', Add	5.24	
For Elevated Installation >25' To 30', Add	7.34	
For Elevated Installation >30' To 35', Add	8.38	
For Elevated Installation >35' To 40', Add	10.48	
For Elevated Installation >40', Add	11.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.29	
26 05 33 13-0279 EA 1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	30.91	11.92
For Work In Restricted Working Space, Add	7.15	
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.76	
For Elevated Installation >20' To 25', Add	5.96	
For Elevated Installation >25' To 30', Add	8.34	
For Elevated Installation >30' To 35', Add	9.53	
For Elevated Installation >35' To 40', Add	11.91	
For Elevated Installation >40', Add	13.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.15	
26 05 33 13-0280 EA 2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	36.30	13.34
For Work In Restricted Working Space, Add	8.00	
For Elevated Installation >10' To 15', Add	2.67	
For Elevated Installation >15' To 20', Add	5.34	
For Elevated Installation >20' To 25', Add	6.67	
For Elevated Installation >25' To 30', Add	9.34	
For Elevated Installation >30' To 35', Add	10.67	
For Elevated Installation >35' To 40', Add	13.34	
For Elevated Installation >40', Add	14.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.00	
26 05 33 13-0281 EA 2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	52.22	16.20
For Work In Restricted Working Space, Add	9.72	
For Elevated Installation >10' To 15', Add	3.24	
For Elevated Installation >15' To 20', Add	6.48	
For Elevated Installation >20' To 25', Add	8.10	
For Elevated Installation >25' To 30', Add	11.34	
For Elevated Installation >30' To 35', Add	12.96	
For Elevated Installation >35' To 40', Add	16.20	
For Elevated Installation >40', Add	17.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.72	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0282	EA		3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	68.46	22.40
			<i>For Work In Restricted Working Space, Add</i>	13.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.96	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.20	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.91	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	22.39	
			<i>For Elevated Installation &gt;40', Add</i>	24.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.43	
26 05 33 13-0283	EA		3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	78.58	25.25
			<i>For Work In Restricted Working Space, Add</i>	15.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.05	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.10	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.63	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	25.25	
			<i>For Elevated Installation &gt;40', Add</i>	27.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.15	
26 05 33 13-0284	EA		4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	98.38	32.88
			<i>For Work In Restricted Working Space, Add</i>	19.72	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.57	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.15	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	32.87	
			<i>For Elevated Installation &gt;40', Add</i>	36.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.72	
26 05 33 13-0285	EA		5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	153.87	45.26
			<i>For Work In Restricted Working Space, Add</i>	27.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.05	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.10	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.63	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.21	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.26	
			<i>For Elevated Installation &gt;40', Add</i>	49.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.16	
26 05 33 13-0286	EA		6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	195.09	58.03
			<i>For Work In Restricted Working Space, Add</i>	34.84	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	23.23	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	29.04	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	40.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	46.46	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	58.07	
			<i>For Elevated Installation &gt;40', Add</i>	63.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.84	
26 05 33 13-0287	EA		1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	15.65	6.20
			<i>For Work In Restricted Working Space, Add</i>	3.72	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.24	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.48	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.96	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.20	
			<i>For Elevated Installation &gt;40', Add</i>	6.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.72	
26 05 33 13-0288	EA		3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	18.10	7.15
			<i>For Work In Restricted Working Space, Add</i>	4.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.43	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.57	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.15	
			<i>For Elevated Installation &gt;40', Add</i>	7.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-0289	EA		1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	23.14	9.06
			<i>For Work In Restricted Working Space, Add</i>	5.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.81	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.62	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.53	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.24	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.05	
			<i>For Elevated Installation &gt;40', Add</i>	9.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0290 EA 1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	27.46	10.48
For Work In Restricted Working Space, Add	6.29	
For Elevated Installation >10' To 15', Add	2.10	
For Elevated Installation >15' To 20', Add	4.19	
For Elevated Installation >20' To 25', Add	5.24	
For Elevated Installation >25' To 30', Add	7.34	
For Elevated Installation >30' To 35', Add	8.38	
For Elevated Installation >35' To 40', Add	10.48	
For Elevated Installation >40', Add	11.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.29	
26 05 33 13-0291 EA 1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	32.54	11.92
For Work In Restricted Working Space, Add	7.15	
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.76	
For Elevated Installation >20' To 25', Add	5.96	
For Elevated Installation >25' To 30', Add	8.34	
For Elevated Installation >30' To 35', Add	9.53	
For Elevated Installation >35' To 40', Add	11.91	
For Elevated Installation >40', Add	13.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.15	
26 05 33 13-0292 EA 2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	37.68	13.34
For Work In Restricted Working Space, Add	8.00	
For Elevated Installation >10' To 15', Add	2.67	
For Elevated Installation >15' To 20', Add	5.34	
For Elevated Installation >20' To 25', Add	6.67	
For Elevated Installation >25' To 30', Add	9.34	
For Elevated Installation >30' To 35', Add	10.67	
For Elevated Installation >35' To 40', Add	13.34	
For Elevated Installation >40', Add	14.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.00	
26 05 33 13-0293 EA 2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	54.89	16.20
For Work In Restricted Working Space, Add	9.72	
For Elevated Installation >10' To 15', Add	3.24	
For Elevated Installation >15' To 20', Add	6.48	
For Elevated Installation >20' To 25', Add	8.10	
For Elevated Installation >25' To 30', Add	11.34	
For Elevated Installation >30' To 35', Add	12.96	
For Elevated Installation >35' To 40', Add	16.20	
For Elevated Installation >40', Add	17.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.72	
26 05 33 13-0294 EA 3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	71.82	22.40
For Work In Restricted Working Space, Add	13.43	
For Elevated Installation >10' To 15', Add	4.48	
For Elevated Installation >15' To 20', Add	8.96	
For Elevated Installation >20' To 25', Add	11.20	
For Elevated Installation >25' To 30', Add	15.67	
For Elevated Installation >30' To 35', Add	17.91	
For Elevated Installation >35' To 40', Add	22.39	
For Elevated Installation >40', Add	24.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.43	
26 05 33 13-0295 EA 3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	82.59	25.25
For Work In Restricted Working Space, Add	15.15	
For Elevated Installation >10' To 15', Add	5.05	
For Elevated Installation >15' To 20', Add	10.10	
For Elevated Installation >20' To 25', Add	12.63	
For Elevated Installation >25' To 30', Add	17.68	
For Elevated Installation >30' To 35', Add	20.20	
For Elevated Installation >35' To 40', Add	25.25	
For Elevated Installation >40', Add	27.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.15	
26 05 33 13-0296 EA 4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	102.19	32.88
For Work In Restricted Working Space, Add	19.72	
For Elevated Installation >10' To 15', Add	6.57	
For Elevated Installation >15' To 20', Add	13.15	
For Elevated Installation >20' To 25', Add	16.44	
For Elevated Installation >25' To 30', Add	23.01	
For Elevated Installation >30' To 35', Add	26.30	
For Elevated Installation >35' To 40', Add	32.87	
For Elevated Installation >40', Add	36.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.72	
26 05 33 13-0297 EA 5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	159.45	45.26
For Work In Restricted Working Space, Add	27.16	
For Elevated Installation >10' To 15', Add	9.05	
For Elevated Installation >15' To 20', Add	18.10	
For Elevated Installation >20' To 25', Add	22.63	
For Elevated Installation >25' To 30', Add	31.68	
For Elevated Installation >30' To 35', Add	36.21	
For Elevated Installation >35' To 40', Add	45.26	
For Elevated Installation >40', Add	49.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.16	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0298	EA		6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	203.26	58.03
			<i>For Work In Restricted Working Space, Add</i>	34.84	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	23.23	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	29.04	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	40.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	46.46	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	58.07	
			<i>For Elevated Installation &gt;40', Add</i>	63.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.84	
26 05 33 13-0299	EA		1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	17.58	6.20
			<i>For Work In Restricted Working Space, Add</i>	3.72	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.24	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.48	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.96	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.20	
			<i>For Elevated Installation &gt;40', Add</i>	6.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.72	
26 05 33 13-0300	EA		3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	20.57	7.15
			<i>For Work In Restricted Working Space, Add</i>	4.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.43	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.57	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.15	
			<i>For Elevated Installation &gt;40', Add</i>	7.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-0301	EA		1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	26.05	9.06
			<i>For Work In Restricted Working Space, Add</i>	5.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.81	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.62	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.53	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.24	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.05	
			<i>For Elevated Installation &gt;40', Add</i>	9.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 05 33 13-0302	EA		1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	31.61	10.48
			<i>For Work In Restricted Working Space, Add</i>	6.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.19	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.24	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.48	
			<i>For Elevated Installation &gt;40', Add</i>	11.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 05 33 13-0303	EA		1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	37.16	11.92
			<i>For Work In Restricted Working Space, Add</i>	7.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.38	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.76	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.96	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.91	
			<i>For Elevated Installation &gt;40', Add</i>	13.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.15	
26 05 33 13-0304	EA		2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	42.55	13.34
			<i>For Work In Restricted Working Space, Add</i>	8.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.67	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.34	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.67	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.67	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.34	
			<i>For Elevated Installation &gt;40', Add</i>	14.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.00	
26 05 33 13-0305	EA		2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	61.99	16.20
			<i>For Work In Restricted Working Space, Add</i>	9.72	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.24	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.48	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.96	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.20	
			<i>For Elevated Installation &gt;40', Add</i>	17.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0306 EA 3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	79.96	22.40
<i>For Work In Restricted Working Space, Add</i>	13.43	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.48	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.96	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.20	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.67	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.91	
<i>For Elevated Installation &gt;35' To 40', Add</i>	22.39	
<i>For Elevated Installation &gt;40', Add</i>	24.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.43	
26 05 33 13-0307 EA 3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	90.71	25.25
<i>For Work In Restricted Working Space, Add</i>	15.15	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.05	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.10	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.63	
<i>For Elevated Installation &gt;25' To 30', Add</i>	17.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	20.20	
<i>For Elevated Installation &gt;35' To 40', Add</i>	25.25	
<i>For Elevated Installation &gt;40', Add</i>	27.78	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.15	
26 05 33 13-0308 EA 4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	111.16	32.88
<i>For Work In Restricted Working Space, Add</i>	19.72	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.57	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.15	
<i>For Elevated Installation &gt;20' To 25', Add</i>	16.44	
<i>For Elevated Installation &gt;25' To 30', Add</i>	23.01	
<i>For Elevated Installation &gt;30' To 35', Add</i>	26.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	32.87	
<i>For Elevated Installation &gt;40', Add</i>	36.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.72	
26 05 33 13-0309 EA 5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	172.39	45.26
<i>For Work In Restricted Working Space, Add</i>	27.16	
<i>For Elevated Installation &gt;10' To 15', Add</i>	9.05	
<i>For Elevated Installation &gt;15' To 20', Add</i>	18.10	
<i>For Elevated Installation &gt;20' To 25', Add</i>	22.63	
<i>For Elevated Installation &gt;25' To 30', Add</i>	31.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	36.21	
<i>For Elevated Installation &gt;35' To 40', Add</i>	45.26	
<i>For Elevated Installation &gt;40', Add</i>	49.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.16	
26 05 33 13-0310 EA 6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	217.79	58.03
<i>For Work In Restricted Working Space, Add</i>	34.84	
<i>For Elevated Installation &gt;10' To 15', Add</i>	11.61	
<i>For Elevated Installation &gt;15' To 20', Add</i>	23.23	
<i>For Elevated Installation &gt;20' To 25', Add</i>	29.04	
<i>For Elevated Installation &gt;25' To 30', Add</i>	40.65	
<i>For Elevated Installation &gt;30' To 35', Add</i>	46.46	
<i>For Elevated Installation &gt;35' To 40', Add</i>	58.07	
<i>For Elevated Installation &gt;40', Add</i>	63.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.84	
26 05 33 13-0311 EA 1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	18.88	6.20
<i>For Work In Restricted Working Space, Add</i>	3.72	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.24	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.10	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.96	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.20	
<i>For Elevated Installation &gt;40', Add</i>	6.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.72	
26 05 33 13-0312 EA 3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	21.83	7.15
<i>For Work In Restricted Working Space, Add</i>	4.29	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.43	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.86	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.57	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.72	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.15	
<i>For Elevated Installation &gt;40', Add</i>	7.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-0313 EA 1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	28.37	9.06
<i>For Work In Restricted Working Space, Add</i>	5.43	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.81	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.62	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.53	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.24	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.05	
<i>For Elevated Installation &gt;40', Add</i>	9.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0314	EA	1-1/4"	10" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.36 6.29 2.10 4.19 5.24 7.34 8.38 10.48 11.53 6.29	10.48
26 05 33 13-0315	EA	1-1/2"	10" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.86 7.15 2.38 4.76 5.96 8.34 9.53 11.91 13.10 7.15	11.92
26 05 33 13-0316	EA	2"	10" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.69 8.00 2.67 5.34 6.67 9.34 10.67 13.34 14.67 8.00	13.34
26 05 33 13-0317	EA	2-1/2"	10" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.75 9.72 3.24 6.48 8.10 11.34 12.96 16.20 17.82 9.72	16.20
26 05 33 13-0318	EA	3"	10" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.36 13.43 4.48 8.96 11.20 15.67 17.91 22.39 24.63 13.43	22.40
26 05 33 13-0319	EA	3-1/2"	10" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.14 15.15 5.05 10.10 12.63 17.68 20.20 25.25 27.78 15.15	25.25
26 05 33 13-0320	EA	4"	10" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.84 19.72 6.57 13.15 16.44 23.01 26.30 32.87 36.16 19.72	32.88
26 05 33 13-0321	EA	5"	10" Long, Rigid Galvanized Steel (RGS) Nipple ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.51 27.16 9.05 18.10 22.63 31.68 36.21 45.26 49.79 27.16	45.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0322 EA 6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	243.19	58.03
For Work In Restricted Working Space, Add	34.84	
For Elevated Installation >10' To 15', Add	11.61	
For Elevated Installation >15' To 20', Add	23.23	
For Elevated Installation >20' To 25', Add	29.04	
For Elevated Installation >25' To 30', Add	40.65	
For Elevated Installation >30' To 35', Add	46.46	
For Elevated Installation >35' To 40', Add	58.07	
For Elevated Installation >40', Add	63.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.84	
26 05 33 13-0323 EA 1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	19.88	6.20
For Work In Restricted Working Space, Add	3.72	
For Elevated Installation >10' To 15', Add	1.24	
For Elevated Installation >15' To 20', Add	2.48	
For Elevated Installation >20' To 25', Add	3.10	
For Elevated Installation >25' To 30', Add	4.34	
For Elevated Installation >30' To 35', Add	4.96	
For Elevated Installation >35' To 40', Add	6.20	
For Elevated Installation >40', Add	6.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.72	
26 05 33 13-0324 EA 3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	22.77	7.15
For Work In Restricted Working Space, Add	4.29	
For Elevated Installation >10' To 15', Add	1.43	
For Elevated Installation >15' To 20', Add	2.86	
For Elevated Installation >20' To 25', Add	3.57	
For Elevated Installation >25' To 30', Add	5.00	
For Elevated Installation >30' To 35', Add	5.72	
For Elevated Installation >35' To 40', Add	7.15	
For Elevated Installation >40', Add	7.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-0325 EA 1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	29.76	9.06
For Work In Restricted Working Space, Add	5.43	
For Elevated Installation >10' To 15', Add	1.81	
For Elevated Installation >15' To 20', Add	3.62	
For Elevated Installation >20' To 25', Add	4.53	
For Elevated Installation >25' To 30', Add	6.34	
For Elevated Installation >30' To 35', Add	7.24	
For Elevated Installation >35' To 40', Add	9.05	
For Elevated Installation >40', Add	9.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.43	
26 05 33 13-0326 EA 1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	36.56	10.48
For Work In Restricted Working Space, Add	6.29	
For Elevated Installation >10' To 15', Add	2.10	
For Elevated Installation >15' To 20', Add	4.19	
For Elevated Installation >20' To 25', Add	5.24	
For Elevated Installation >25' To 30', Add	7.34	
For Elevated Installation >30' To 35', Add	8.38	
For Elevated Installation >35' To 40', Add	10.48	
For Elevated Installation >40', Add	11.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.29	
26 05 33 13-0327 EA 1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	41.22	11.92
For Work In Restricted Working Space, Add	7.15	
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.76	
For Elevated Installation >20' To 25', Add	5.96	
For Elevated Installation >25' To 30', Add	8.34	
For Elevated Installation >30' To 35', Add	9.53	
For Elevated Installation >35' To 40', Add	11.91	
For Elevated Installation >40', Add	13.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.15	
26 05 33 13-0328 EA 2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	48.33	13.34
For Work In Restricted Working Space, Add	8.00	
For Elevated Installation >10' To 15', Add	2.67	
For Elevated Installation >15' To 20', Add	5.34	
For Elevated Installation >20' To 25', Add	6.67	
For Elevated Installation >25' To 30', Add	9.34	
For Elevated Installation >30' To 35', Add	10.67	
For Elevated Installation >35' To 40', Add	13.34	
For Elevated Installation >40', Add	14.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.00	
26 05 33 13-0329 EA 2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	72.36	16.20
For Work In Restricted Working Space, Add	9.72	
For Elevated Installation >10' To 15', Add	3.24	
For Elevated Installation >15' To 20', Add	6.48	
For Elevated Installation >20' To 25', Add	8.10	
For Elevated Installation >25' To 30', Add	11.34	
For Elevated Installation >30' To 35', Add	12.96	
For Elevated Installation >35' To 40', Add	16.20	
For Elevated Installation >40', Add	17.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.72	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0330	EA		3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	95.27	22.40
			<i>For Work In Restricted Working Space, Add</i>	13.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.96	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.20	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.91	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	22.39	
			<i>For Elevated Installation &gt;40', Add</i>	24.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.43	
26 05 33 13-0331	EA		3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	107.35	25.25
			<i>For Work In Restricted Working Space, Add</i>	15.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.05	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.10	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.63	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	25.25	
			<i>For Elevated Installation &gt;40', Add</i>	27.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.15	
26 05 33 13-0332	EA		4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	132.53	32.88
			<i>For Work In Restricted Working Space, Add</i>	19.72	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.57	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.15	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	32.87	
			<i>For Elevated Installation &gt;40', Add</i>	36.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.72	
26 05 33 13-0333	EA		5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	206.79	45.26
			<i>For Work In Restricted Working Space, Add</i>	27.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.05	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.10	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.63	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.21	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.26	
			<i>For Elevated Installation &gt;40', Add</i>	49.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.16	
26 05 33 13-0334	EA		6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	257.30	58.03
			<i>For Work In Restricted Working Space, Add</i>	34.84	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	23.23	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	29.04	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	40.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	46.46	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	58.07	
			<i>For Elevated Installation &gt;40', Add</i>	63.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.84	
<b>26 05 33 13-0335</b>			<b>Rigid Galvanized Steel (RGS) Off-Set Nipples</b> (26 05 33 13-0059)		
26 05 33 13-0336	EA		1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple .....	15.08	4.95
			<i>For Work In Restricted Working Space, Add</i>	3.74	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.25	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.50	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.12	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.37	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.99	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.24	
			<i>For Elevated Installation &gt;40', Add</i>	6.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.74	
26 05 33 13-0337	EA		3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple .....	18.18	5.72
			<i>For Work In Restricted Working Space, Add</i>	4.26	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.42	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.84	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.97	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.68	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.11	
			<i>For Elevated Installation &gt;40', Add</i>	7.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.26	
26 05 33 13-0338	EA		1" Rigid Galvanized Steel (RGS) Off-Set Nipple .....	22.72	7.24
			<i>For Work In Restricted Working Space, Add</i>	5.45	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.82	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.64	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.36	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.27	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.09	
			<i>For Elevated Installation &gt;40', Add</i>	10.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.45	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0339 EA 1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	29.11	8.68
For Work In Restricted Working Space, Add	6.53	
For Elevated Installation >10' To 15', Add	2.18	
For Elevated Installation >15' To 20', Add	4.36	
For Elevated Installation >20' To 25', Add	5.45	
For Elevated Installation >25' To 30', Add	7.62	
For Elevated Installation >30' To 35', Add	8.71	
For Elevated Installation >35' To 40', Add	10.89	
For Elevated Installation >40', Add	11.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.53	
26 05 33 13-0340 EA 1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	31.88	9.53
For Work In Restricted Working Space, Add	7.15	
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.77	
For Elevated Installation >20' To 25', Add	5.96	
For Elevated Installation >25' To 30', Add	8.34	
For Elevated Installation >30' To 35', Add	9.54	
For Elevated Installation >35' To 40', Add	11.92	
For Elevated Installation >40', Add	13.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.15	
26 05 33 13-0341 EA 2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	42.15	11.72
For Work In Restricted Working Space, Add	8.81	
For Elevated Installation >10' To 15', Add	2.94	
For Elevated Installation >15' To 20', Add	5.87	
For Elevated Installation >20' To 25', Add	7.34	
For Elevated Installation >25' To 30', Add	10.28	
For Elevated Installation >30' To 35', Add	11.75	
For Elevated Installation >35' To 40', Add	14.69	
For Elevated Installation >40', Add	16.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 05 33 13-0342 EA 2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	68.93	19.06
For Work In Restricted Working Space, Add	14.29	
For Elevated Installation >10' To 15', Add	4.76	
For Elevated Installation >15' To 20', Add	9.53	
For Elevated Installation >20' To 25', Add	11.91	
For Elevated Installation >25' To 30', Add	16.67	
For Elevated Installation >30' To 35', Add	19.06	
For Elevated Installation >35' To 40', Add	23.82	
For Elevated Installation >40', Add	26.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.29	
26 05 33 13-0343 EA 3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	114.11	26.30
For Work In Restricted Working Space, Add	19.73	
For Elevated Installation >10' To 15', Add	6.58	
For Elevated Installation >15' To 20', Add	13.15	
For Elevated Installation >20' To 25', Add	16.44	
For Elevated Installation >25' To 30', Add	23.01	
For Elevated Installation >30' To 35', Add	26.30	
For Elevated Installation >35' To 40', Add	32.88	
For Elevated Installation >40', Add	36.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.73	
26 05 33 13-0344 EA 3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	142.54	31.06
For Work In Restricted Working Space, Add	23.17	
For Elevated Installation >10' To 15', Add	7.72	
For Elevated Installation >15' To 20', Add	15.45	
For Elevated Installation >20' To 25', Add	19.31	
For Elevated Installation >25' To 30', Add	27.03	
For Elevated Installation >30' To 35', Add	30.90	
For Elevated Installation >35' To 40', Add	38.62	
For Elevated Installation >40', Add	42.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.17	
26 05 33 13-0345 EA 4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	171.72	35.83
For Work In Restricted Working Space, Add	26.87	
For Elevated Installation >10' To 15', Add	8.96	
For Elevated Installation >15' To 20', Add	17.92	
For Elevated Installation >20' To 25', Add	22.40	
For Elevated Installation >25' To 30', Add	31.35	
For Elevated Installation >30' To 35', Add	35.83	
For Elevated Installation >35' To 40', Add	44.79	
For Elevated Installation >40', Add	49.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.87	
<b>26 05 33 13-0346 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling</b> <small>(26 05 33 13-0059)</small>		
Note: Erickson fittings.		
26 05 33 13-0347 EA 1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....	40.30	15.24
For Work In Restricted Working Space, Add	11.45	
For Elevated Installation >10' To 15', Add	3.82	
For Elevated Installation >15' To 20', Add	7.63	
For Elevated Installation >20' To 25', Add	9.54	
For Elevated Installation >25' To 30', Add	13.36	
For Elevated Installation >30' To 35', Add	15.26	
For Elevated Installation >35' To 40', Add	19.08	
For Elevated Installation >40', Add	20.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.45	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0348	EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	45.33	17.06
			<i>For Work In Restricted Working Space, Add</i>	12.78	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.26	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.52	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.65	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.91	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.30	
			<i>For Elevated Installation &gt;40', Add</i>	23.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.78	
26 05 33	13-0349	EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	52.50	18.97
			<i>For Work In Restricted Working Space, Add</i>	14.23	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.74	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.49	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.60	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.72	
			<i>For Elevated Installation &gt;40', Add</i>	26.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.23	
26 05 33	13-0350	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	62.69	20.77
			<i>For Work In Restricted Working Space, Add</i>	15.57	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	25.96	
			<i>For Elevated Installation &gt;40', Add</i>	28.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.57	
26 05 33	13-0351	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	69.72	22.68
			<i>For Work In Restricted Working Space, Add</i>	17.04	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.36	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.20	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.88	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.40	
			<i>For Elevated Installation &gt;40', Add</i>	31.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.04	
26 05 33	13-0352	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	87.39	24.58
			<i>For Work In Restricted Working Space, Add</i>	18.45	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.30	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.38	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.53	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.76	
			<i>For Elevated Installation &gt;40', Add</i>	33.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.45	
26 05 33	13-0353	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	136.18	30.49
			<i>For Work In Restricted Working Space, Add</i>	22.87	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.06	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	26.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	30.49	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	38.12	
			<i>For Elevated Installation &gt;40', Add</i>	41.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.87	
26 05 33	13-0354	EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	186.29	38.11
			<i>For Work In Restricted Working Space, Add</i>	28.59	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	23.82	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	33.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	38.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	47.65	
			<i>For Elevated Installation &gt;40', Add</i>	52.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.59	
26 05 33	13-0355	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	265.95	45.74
			<i>For Work In Restricted Working Space, Add</i>	34.32	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.44	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.88	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	40.04	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	57.20	
			<i>For Elevated Installation &gt;40', Add</i>	62.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0356 EA 4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	302.11	49.55
<i>For Work In Restricted Working Space, Add</i>	37.16	
<i>For Elevated Installation &gt;10' To 15', Add</i>	12.39	
<i>For Elevated Installation &gt;15' To 20', Add</i>	24.77	
<i>For Elevated Installation &gt;20' To 25', Add</i>	30.97	
<i>For Elevated Installation &gt;25' To 30', Add</i>	43.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	49.55	
<i>For Elevated Installation &gt;35' To 40', Add</i>	61.94	
<i>For Elevated Installation &gt;40', Add</i>	68.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.16	
26 05 33 13-0357 EA 5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	518.25	60.99
<i>For Work In Restricted Working Space, Add</i>	45.74	
<i>For Elevated Installation &gt;10' To 15', Add</i>	15.25	
<i>For Elevated Installation &gt;15' To 20', Add</i>	30.49	
<i>For Elevated Installation &gt;20' To 25', Add</i>	38.11	
<i>For Elevated Installation &gt;25' To 30', Add</i>	53.36	
<i>For Elevated Installation &gt;30' To 35', Add</i>	60.98	
<i>For Elevated Installation &gt;35' To 40', Add</i>	76.23	
<i>For Elevated Installation &gt;40', Add</i>	83.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.74	
26 05 33 13-0358 EA 6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	663.86	70.52
<i>For Work In Restricted Working Space, Add</i>	52.88	
<i>For Elevated Installation &gt;10' To 15', Add</i>	17.63	
<i>For Elevated Installation &gt;15' To 20', Add</i>	35.25	
<i>For Elevated Installation &gt;20' To 25', Add</i>	44.07	
<i>For Elevated Installation &gt;25' To 30', Add</i>	61.69	
<i>For Elevated Installation &gt;30' To 35', Add</i>	70.51	
<i>For Elevated Installation &gt;35' To 40', Add</i>	88.14	
<i>For Elevated Installation &gt;40', Add</i>	96.95	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.88	

**26 05 33 13-0359 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors** (26 05 33 13-0059)

26 05 33 13-0360 EA 1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	26.03	7.62
<i>For Work In Restricted Working Space, Add</i>	5.72	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.91	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.81	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.77	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.67	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.62	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.53	
<i>For Elevated Installation &gt;40', Add</i>	10.48	
26 05 33 13-0361 EA 3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	29.21	8.38
<i>For Work In Restricted Working Space, Add</i>	6.29	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.10	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.24	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.38	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.48	
<i>For Elevated Installation &gt;40', Add</i>	11.53	
26 05 33 13-0362 EA 1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	33.64	9.53
<i>For Work In Restricted Working Space, Add</i>	7.15	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.38	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.76	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.96	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.53	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.91	
<i>For Elevated Installation &gt;40', Add</i>	13.10	
26 05 33 13-0363 EA 1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	38.70	10.29
<i>For Work In Restricted Working Space, Add</i>	7.72	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.57	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.15	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.43	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.01	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.29	
<i>For Elevated Installation &gt;35' To 40', Add</i>	12.87	
<i>For Elevated Installation &gt;40', Add</i>	14.15	
26 05 33 13-0364 EA 1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	46.65	11.43
<i>For Work In Restricted Working Space, Add</i>	8.57	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
<i>For Elevated Installation &gt;40', Add</i>	15.72	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0365 EA 2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	58.17	12.58
For Work In Restricted Working Space, Add	9.44	
For Elevated Installation >10' To 15', Add	3.15	
For Elevated Installation >15' To 20', Add	6.29	
For Elevated Installation >20' To 25', Add	7.86	
For Elevated Installation >25' To 30', Add	11.01	
For Elevated Installation >30' To 35', Add	12.58	
For Elevated Installation >35' To 40', Add	15.73	
For Elevated Installation >40', Add	17.30	
26 05 33 13-0366 EA 2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	80.94	15.24
For Work In Restricted Working Space, Add	11.43	
For Elevated Installation >10' To 15', Add	3.81	
For Elevated Installation >15' To 20', Add	7.62	
For Elevated Installation >20' To 25', Add	9.53	
For Elevated Installation >25' To 30', Add	13.34	
For Elevated Installation >30' To 35', Add	15.24	
For Elevated Installation >35' To 40', Add	19.06	
For Elevated Installation >40', Add	20.96	
26 05 33 13-0367 EA 3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	99.90	19.06
For Work In Restricted Working Space, Add	14.29	
For Elevated Installation >10' To 15', Add	4.76	
For Elevated Installation >15' To 20', Add	9.53	
For Elevated Installation >20' To 25', Add	11.91	
For Elevated Installation >25' To 30', Add	16.67	
For Elevated Installation >30' To 35', Add	19.06	
For Elevated Installation >35' To 40', Add	23.82	
For Elevated Installation >40', Add	26.20	
26 05 33 13-0368 EA 3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	120.05	22.87
For Work In Restricted Working Space, Add	17.15	
For Elevated Installation >10' To 15', Add	5.72	
For Elevated Installation >15' To 20', Add	11.44	
For Elevated Installation >20' To 25', Add	14.30	
For Elevated Installation >25' To 30', Add	20.01	
For Elevated Installation >30' To 35', Add	22.87	
For Elevated Installation >35' To 40', Add	28.59	
For Elevated Installation >40', Add	31.45	
26 05 33 13-0369 EA 4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	136.59	24.77
For Work In Restricted Working Space, Add	18.58	
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	
<b>26 05 33 13-0370 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <small>(26 05 33 13-0059)</small></b>		
26 05 33 13-0371 EA 1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	20.92	8.58
For Work In Restricted Working Space, Add	5.15	
For Elevated Installation >10' To 15', Add	1.72	
For Elevated Installation >15' To 20', Add	3.43	
For Elevated Installation >20' To 25', Add	4.29	
For Elevated Installation >25' To 30', Add	6.00	
For Elevated Installation >30' To 35', Add	6.86	
For Elevated Installation >35' To 40', Add	8.58	
For Elevated Installation >40', Add	9.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.15	
26 05 33 13-0372 EA 3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	23.31	9.53
For Work In Restricted Working Space, Add	5.72	
For Elevated Installation >10' To 15', Add	1.91	
For Elevated Installation >15' To 20', Add	3.81	
For Elevated Installation >20' To 25', Add	4.77	
For Elevated Installation >25' To 30', Add	6.67	
For Elevated Installation >30' To 35', Add	7.62	
For Elevated Installation >35' To 40', Add	9.53	
For Elevated Installation >40', Add	10.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.72	
26 05 33 13-0373 EA 1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	28.80	11.92
For Work In Restricted Working Space, Add	7.15	
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.76	
For Elevated Installation >20' To 25', Add	5.96	
For Elevated Installation >25' To 30', Add	8.34	
For Elevated Installation >30' To 35', Add	9.53	
For Elevated Installation >35' To 40', Add	11.91	
For Elevated Installation >40', Add	13.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0374 EA 1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	35.35	14.29
For Work In Restricted Working Space, Add	8.57	
For Elevated Installation >10' To 15', Add	2.86	
For Elevated Installation >15' To 20', Add	5.72	
For Elevated Installation >20' To 25', Add	7.15	
For Elevated Installation >25' To 30', Add	10.00	
For Elevated Installation >30' To 35', Add	11.43	
For Elevated Installation >35' To 40', Add	14.29	
For Elevated Installation >40', Add	15.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.57	
26 05 33 13-0375 EA 1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	45.55	19.06
For Work In Restricted Working Space, Add	11.43	
For Elevated Installation >10' To 15', Add	3.81	
For Elevated Installation >15' To 20', Add	7.62	
For Elevated Installation >20' To 25', Add	9.53	
For Elevated Installation >25' To 30', Add	13.34	
For Elevated Installation >30' To 35', Add	15.24	
For Elevated Installation >35' To 40', Add	19.06	
For Elevated Installation >40', Add	20.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.43	
26 05 33 13-0376 EA 2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	52.83	21.44
For Work In Restricted Working Space, Add	12.86	
For Elevated Installation >10' To 15', Add	4.29	
For Elevated Installation >15' To 20', Add	8.58	
For Elevated Installation >20' To 25', Add	10.72	
For Elevated Installation >25' To 30', Add	15.01	
For Elevated Installation >30' To 35', Add	17.15	
For Elevated Installation >35' To 40', Add	21.44	
For Elevated Installation >40', Add	23.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 05 33 13-0377 EA 2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	64.53	23.82
For Work In Restricted Working Space, Add	14.29	
For Elevated Installation >10' To 15', Add	4.76	
For Elevated Installation >15' To 20', Add	9.53	
For Elevated Installation >20' To 25', Add	11.91	
For Elevated Installation >25' To 30', Add	16.67	
For Elevated Installation >30' To 35', Add	19.06	
For Elevated Installation >35' To 40', Add	23.82	
For Elevated Installation >40', Add	26.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.29	
26 05 33 13-0378 EA 3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	86.51	30.02
For Work In Restricted Working Space, Add	18.01	
For Elevated Installation >10' To 15', Add	6.00	
For Elevated Installation >15' To 20', Add	12.01	
For Elevated Installation >20' To 25', Add	15.01	
For Elevated Installation >25' To 30', Add	21.01	
For Elevated Installation >30' To 35', Add	24.02	
For Elevated Installation >35' To 40', Add	30.02	
For Elevated Installation >40', Add	33.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.01	
26 05 33 13-0379 EA 3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	102.82	36.21
For Work In Restricted Working Space, Add	21.73	
For Elevated Installation >10' To 15', Add	7.24	
For Elevated Installation >15' To 20', Add	14.48	
For Elevated Installation >20' To 25', Add	18.11	
For Elevated Installation >25' To 30', Add	25.35	
For Elevated Installation >30' To 35', Add	28.97	
For Elevated Installation >35' To 40', Add	36.21	
For Elevated Installation >40', Add	39.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.73	
26 05 33 13-0380 EA 4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	125.84	42.88
For Work In Restricted Working Space, Add	25.73	
For Elevated Installation >10' To 15', Add	8.58	
For Elevated Installation >15' To 20', Add	17.15	
For Elevated Installation >20' To 25', Add	21.44	
For Elevated Installation >25' To 30', Add	30.02	
For Elevated Installation >30' To 35', Add	34.30	
For Elevated Installation >35' To 40', Add	42.88	
For Elevated Installation >40', Add	47.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.73	
<b>26 05 33 13-0381 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement</b> <small>(26 05 33 13-0059)</small>		
<small>Note: Type AX</small>		
26 05 33 13-0382 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	93.46	15.24
For Work In Restricted Working Space, Add	11.44	
For Elevated Installation >10' To 15', Add	3.81	
For Elevated Installation >15' To 20', Add	7.62	
For Elevated Installation >20' To 25', Add	9.53	
For Elevated Installation >25' To 30', Add	13.34	
For Elevated Installation >30' To 35', Add	15.25	
For Elevated Installation >35' To 40', Add	19.06	
For Elevated Installation >40', Add	20.97	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0383	EA		3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	106.05	17.15
			<i>For Work In Restricted Working Space, Add</i>	12.86	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.29	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.58	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.44	
			<i>For Elevated Installation &gt;40', Add</i>	23.58	
26 05 33 13-0384	EA		1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	125.36	19.06
			<i>For Work In Restricted Working Space, Add</i>	14.30	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.77	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.91	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.83	
			<i>For Elevated Installation &gt;40', Add</i>	26.21	
26 05 33 13-0385	EA		1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	153.07	20.96
			<i>For Work In Restricted Working Space, Add</i>	15.72	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.24	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.48	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.96	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.21	
			<i>For Elevated Installation &gt;40', Add</i>	28.83	
26 05 33 13-0386	EA		1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	191.70	22.87
			<i>For Work In Restricted Working Space, Add</i>	17.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.87	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.59	
			<i>For Elevated Installation &gt;40', Add</i>	31.44	
26 05 33 13-0387	EA		2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	263.72	24.77
			<i>For Work In Restricted Working Space, Add</i>	18.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.97	
			<i>For Elevated Installation &gt;40', Add</i>	34.06	
26 05 33 13-0388	EA		2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	402.43	30.49
			<i>For Work In Restricted Working Space, Add</i>	22.87	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.06	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	26.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	30.49	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	38.12	
			<i>For Elevated Installation &gt;40', Add</i>	41.93	
26 05 33 13-0389	EA		3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	515.42	38.11
			<i>For Work In Restricted Working Space, Add</i>	28.59	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	23.82	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	33.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	38.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	47.65	
			<i>For Elevated Installation &gt;40', Add</i>	52.41	
26 05 33 13-0390	EA		3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	750.58	45.74
			<i>For Work In Restricted Working Space, Add</i>	34.31	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.44	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.87	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.59	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	40.03	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.74	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	57.18	
			<i>For Elevated Installation &gt;40', Add</i>	62.90	
26 05 33 13-0391	EA		4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	800.26	49.55
			<i>For Work In Restricted Working Space, Add</i>	37.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	24.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	30.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	43.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	49.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	61.94	
			<i>For Elevated Installation &gt;40', Add</i>	68.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0392 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	1,222.96	60.99
<i>For Work In Restricted Working Space, Add</i>	45.74	
<i>For Elevated Installation &gt;10' To 15', Add</i>	15.25	
<i>For Elevated Installation &gt;15' To 20', Add</i>	30.49	
<i>For Elevated Installation &gt;20' To 25', Add</i>	38.12	
<i>For Elevated Installation &gt;25' To 30', Add</i>	53.36	
<i>For Elevated Installation &gt;30' To 35', Add</i>	60.99	
<i>For Elevated Installation &gt;35' To 40', Add</i>	76.24	
<i>For Elevated Installation &gt;40', Add</i>	83.86	
26 05 33 13-0393 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	1,500.95	67.66
<i>For Work In Restricted Working Space, Add</i>	50.77	
<i>For Elevated Installation &gt;10' To 15', Add</i>	16.92	
<i>For Elevated Installation &gt;15' To 20', Add</i>	33.85	
<i>For Elevated Installation &gt;20' To 25', Add</i>	42.31	
<i>For Elevated Installation &gt;25' To 30', Add</i>	59.23	
<i>For Elevated Installation &gt;30' To 35', Add</i>	67.70	
<i>For Elevated Installation &gt;35' To 40', Add</i>	84.62	
<i>For Elevated Installation &gt;40', Add</i>	93.08	
<b>26 05 33 13-0394 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement</b> <sup>(26 05</sup>		
<small>33 13-0059)</small>		
Note: Type AX-8		
26 05 33 13-0395 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	102.71	15.24
<i>For Work In Restricted Working Space, Add</i>	11.44	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.81	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.62	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.53	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.25	
<i>For Elevated Installation &gt;35' To 40', Add</i>	19.06	
<i>For Elevated Installation &gt;40', Add</i>	20.97	
26 05 33 13-0396 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	114.25	17.15
<i>For Work In Restricted Working Space, Add</i>	12.86	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.29	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.58	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.72	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.01	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.15	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.44	
<i>For Elevated Installation &gt;40', Add</i>	23.58	
26 05 33 13-0397 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	138.23	19.06
<i>For Work In Restricted Working Space, Add</i>	14.30	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.77	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.53	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.91	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	19.06	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.83	
<i>For Elevated Installation &gt;40', Add</i>	26.21	
26 05 33 13-0398 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	173.33	20.96
<i>For Work In Restricted Working Space, Add</i>	15.72	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.24	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.10	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	20.96	
<i>For Elevated Installation &gt;35' To 40', Add</i>	26.21	
<i>For Elevated Installation &gt;40', Add</i>	28.83	
26 05 33 13-0399 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	231.95	22.87
<i>For Work In Restricted Working Space, Add</i>	17.15	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.01	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.87	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.59	
<i>For Elevated Installation &gt;40', Add</i>	31.44	
26 05 33 13-0400 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	282.95	24.77
<i>For Work In Restricted Working Space, Add</i>	18.58	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.39	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.48	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	24.77	
<i>For Elevated Installation &gt;35' To 40', Add</i>	30.97	
<i>For Elevated Installation &gt;40', Add</i>	34.06	
26 05 33 13-0401 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	527.11	30.49
<i>For Work In Restricted Working Space, Add</i>	22.87	
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.62	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.25	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.06	
<i>For Elevated Installation &gt;25' To 30', Add</i>	26.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	30.49	
<i>For Elevated Installation &gt;35' To 40', Add</i>	38.12	
<i>For Elevated Installation &gt;40', Add</i>	41.93	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0402 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	600.56	38.11
For Work In Restricted Working Space, Add	28.59	
For Elevated Installation >10' To 15', Add	9.53	
For Elevated Installation >15' To 20', Add	19.06	
For Elevated Installation >20' To 25', Add	23.82	
For Elevated Installation >25' To 30', Add	33.35	
For Elevated Installation >30' To 35', Add	38.12	
For Elevated Installation >35' To 40', Add	47.65	
For Elevated Installation >40', Add	52.41	
26 05 33 13-0403 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	918.82	45.74
For Work In Restricted Working Space, Add	34.31	
For Elevated Installation >10' To 15', Add	11.44	
For Elevated Installation >15' To 20', Add	22.87	
For Elevated Installation >20' To 25', Add	28.59	
For Elevated Installation >25' To 30', Add	40.03	
For Elevated Installation >30' To 35', Add	45.74	
For Elevated Installation >35' To 40', Add	57.18	
For Elevated Installation >40', Add	62.90	
26 05 33 13-0404 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	994.72	49.55
For Work In Restricted Working Space, Add	37.16	
For Elevated Installation >10' To 15', Add	12.39	
For Elevated Installation >15' To 20', Add	24.77	
For Elevated Installation >20' To 25', Add	30.97	
For Elevated Installation >25' To 30', Add	43.35	
For Elevated Installation >30' To 35', Add	49.55	
For Elevated Installation >35' To 40', Add	61.94	
For Elevated Installation >40', Add	68.13	
26 05 33 13-0405 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,386.88	60.99
For Work In Restricted Working Space, Add	45.74	
For Elevated Installation >10' To 15', Add	15.25	
For Elevated Installation >15' To 20', Add	30.49	
For Elevated Installation >20' To 25', Add	38.12	
For Elevated Installation >25' To 30', Add	53.36	
For Elevated Installation >30' To 35', Add	60.99	
For Elevated Installation >35' To 40', Add	76.24	
For Elevated Installation >40', Add	83.86	
26 05 33 13-0406 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,711.85	67.66
For Work In Restricted Working Space, Add	50.77	
For Elevated Installation >10' To 15', Add	16.92	
For Elevated Installation >15' To 20', Add	33.85	
For Elevated Installation >20' To 25', Add	42.31	
For Elevated Installation >25' To 30', Add	59.23	
For Elevated Installation >30' To 35', Add	67.70	
For Elevated Installation >35' To 40', Add	84.62	
For Elevated Installation >40', Add	93.08	
<b>26 05 33 13-0407 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement</b>		
Note: Type EX (26 05 33 13-0059)		
26 05 33 13-0408 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	116.25	15.24
For Work In Restricted Working Space, Add	11.44	
For Elevated Installation >10' To 15', Add	3.81	
For Elevated Installation >15' To 20', Add	7.62	
For Elevated Installation >20' To 25', Add	9.53	
For Elevated Installation >25' To 30', Add	13.34	
For Elevated Installation >30' To 35', Add	15.25	
For Elevated Installation >35' To 40', Add	19.06	
For Elevated Installation >40', Add	20.97	
26 05 33 13-0409 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	146.17	17.15
For Work In Restricted Working Space, Add	12.86	
For Elevated Installation >10' To 15', Add	4.29	
For Elevated Installation >15' To 20', Add	8.58	
For Elevated Installation >20' To 25', Add	10.72	
For Elevated Installation >25' To 30', Add	15.01	
For Elevated Installation >30' To 35', Add	17.15	
For Elevated Installation >35' To 40', Add	21.44	
For Elevated Installation >40', Add	23.58	
26 05 33 13-0410 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	181.35	19.06
For Work In Restricted Working Space, Add	14.30	
For Elevated Installation >10' To 15', Add	4.77	
For Elevated Installation >15' To 20', Add	9.53	
For Elevated Installation >20' To 25', Add	11.91	
For Elevated Installation >25' To 30', Add	16.68	
For Elevated Installation >30' To 35', Add	19.06	
For Elevated Installation >35' To 40', Add	23.83	
For Elevated Installation >40', Add	26.21	
26 05 33 13-0411 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	220.02	20.96
For Work In Restricted Working Space, Add	15.72	
For Elevated Installation >10' To 15', Add	5.24	
For Elevated Installation >15' To 20', Add	10.48	
For Elevated Installation >20' To 25', Add	13.10	
For Elevated Installation >25' To 30', Add	18.34	
For Elevated Installation >30' To 35', Add	20.96	
For Elevated Installation >35' To 40', Add	26.21	
For Elevated Installation >40', Add	28.83	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0412 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	295.17	22.87
<i>For Work In Restricted Working Space, Add</i>	17.15	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.01	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.87	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.59	
<i>For Elevated Installation &gt;40', Add</i>	31.44	
26 05 33 13-0413 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	405.13	24.77
<i>For Work In Restricted Working Space, Add</i>	18.58	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.39	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.48	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	24.77	
<i>For Elevated Installation &gt;35' To 40', Add</i>	30.97	
<i>For Elevated Installation &gt;40', Add</i>	34.06	
26 05 33 13-0414 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	627.70	30.49
<i>For Work In Restricted Working Space, Add</i>	22.87	
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.62	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.25	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.06	
<i>For Elevated Installation &gt;25' To 30', Add</i>	26.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	30.49	
<i>For Elevated Installation &gt;35' To 40', Add</i>	38.12	
<i>For Elevated Installation &gt;40', Add</i>	41.93	
26 05 33 13-0415 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	845.48	38.11
<i>For Work In Restricted Working Space, Add</i>	28.59	
<i>For Elevated Installation &gt;10' To 15', Add</i>	9.53	
<i>For Elevated Installation &gt;15' To 20', Add</i>	19.06	
<i>For Elevated Installation &gt;20' To 25', Add</i>	23.82	
<i>For Elevated Installation &gt;25' To 30', Add</i>	33.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	38.12	
<i>For Elevated Installation &gt;35' To 40', Add</i>	47.65	
<i>For Elevated Installation &gt;40', Add</i>	52.41	
26 05 33 13-0416 EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,267.18	45.74
<i>For Work In Restricted Working Space, Add</i>	34.31	
<i>For Elevated Installation &gt;10' To 15', Add</i>	11.44	
<i>For Elevated Installation &gt;15' To 20', Add</i>	22.87	
<i>For Elevated Installation &gt;20' To 25', Add</i>	28.59	
<i>For Elevated Installation &gt;25' To 30', Add</i>	40.03	
<i>For Elevated Installation &gt;30' To 35', Add</i>	45.74	
<i>For Elevated Installation &gt;35' To 40', Add</i>	57.18	
<i>For Elevated Installation &gt;40', Add</i>	62.90	
26 05 33 13-0417 EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,312.02	49.55
<i>For Work In Restricted Working Space, Add</i>	37.16	
<i>For Elevated Installation &gt;10' To 15', Add</i>	12.39	
<i>For Elevated Installation &gt;15' To 20', Add</i>	24.77	
<i>For Elevated Installation &gt;20' To 25', Add</i>	30.97	
<i>For Elevated Installation &gt;25' To 30', Add</i>	43.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	49.55	
<i>For Elevated Installation &gt;35' To 40', Add</i>	61.94	
<i>For Elevated Installation &gt;40', Add</i>	68.13	
26 05 33 13-0418 EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,971.78	60.99
<i>For Work In Restricted Working Space, Add</i>	45.74	
<i>For Elevated Installation &gt;10' To 15', Add</i>	15.25	
<i>For Elevated Installation &gt;15' To 20', Add</i>	30.49	
<i>For Elevated Installation &gt;20' To 25', Add</i>	38.12	
<i>For Elevated Installation &gt;25' To 30', Add</i>	53.36	
<i>For Elevated Installation &gt;30' To 35', Add</i>	60.99	
<i>For Elevated Installation &gt;35' To 40', Add</i>	76.24	
<i>For Elevated Installation &gt;40', Add</i>	83.86	
26 05 33 13-0419 EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,442.79	67.66
<i>For Work In Restricted Working Space, Add</i>	50.77	
<i>For Elevated Installation &gt;10' To 15', Add</i>	16.92	
<i>For Elevated Installation &gt;15' To 20', Add</i>	33.85	
<i>For Elevated Installation &gt;20' To 25', Add</i>	42.31	
<i>For Elevated Installation &gt;25' To 30', Add</i>	59.23	
<i>For Elevated Installation &gt;30' To 35', Add</i>	67.70	
<i>For Elevated Installation &gt;35' To 40', Add</i>	84.62	
<i>For Elevated Installation &gt;40', Add</i>	93.08	
<b>26 05 33 13-0420 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings</b>		
(26 05 33 13-0059)		
Note: Type DX		
26 05 33 13-0421 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	199.74	15.24
<i>For Work In Restricted Working Space, Add</i>	11.44	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.81	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.62	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.53	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.25	
<i>For Elevated Installation &gt;35' To 40', Add</i>	19.06	
<i>For Elevated Installation &gt;40', Add</i>	20.97	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0422	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	237.73	17.15
			<i>For Work In Restricted Working Space, Add</i>	12.86	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.29	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.58	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.44	
			<i>For Elevated Installation &gt;40', Add</i>	23.58	
26 05 33	13-0423	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	287.01	19.06
			<i>For Work In Restricted Working Space, Add</i>	14.30	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.77	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.91	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.83	
			<i>For Elevated Installation &gt;40', Add</i>	26.21	
26 05 33	13-0424	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	337.10	20.96
			<i>For Work In Restricted Working Space, Add</i>	15.72	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.24	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.48	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.96	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.21	
			<i>For Elevated Installation &gt;40', Add</i>	28.83	
26 05 33	13-0425	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	372.71	22.87
			<i>For Work In Restricted Working Space, Add</i>	17.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.87	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.59	
			<i>For Elevated Installation &gt;40', Add</i>	31.44	
26 05 33	13-0426	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	459.89	24.77
			<i>For Work In Restricted Working Space, Add</i>	18.58	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.97	
			<i>For Elevated Installation &gt;40', Add</i>	34.06	
26 05 33	13-0427	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	607.37	30.49
			<i>For Work In Restricted Working Space, Add</i>	22.87	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.06	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	26.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	30.49	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	38.12	
			<i>For Elevated Installation &gt;40', Add</i>	41.93	
26 05 33	13-0428	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	770.15	38.11
			<i>For Work In Restricted Working Space, Add</i>	28.59	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	23.82	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	33.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	38.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	47.65	
			<i>For Elevated Installation &gt;40', Add</i>	52.41	
26 05 33	13-0429	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	867.18	45.74
			<i>For Work In Restricted Working Space, Add</i>	34.31	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.44	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.87	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.59	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	40.03	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.74	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	57.18	
			<i>For Elevated Installation &gt;40', Add</i>	62.90	
26 05 33	13-0430	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,050.29	49.55
			<i>For Work In Restricted Working Space, Add</i>	37.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	24.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	30.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	43.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	49.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	61.94	
			<i>For Elevated Installation &gt;40', Add</i>	68.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0431 EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	1,791.29	60.99
For Work In Restricted Working Space, Add	45.74	
For Elevated Installation >10' To 15', Add	15.25	
For Elevated Installation >15' To 20', Add	30.49	
For Elevated Installation >20' To 25', Add	38.12	
For Elevated Installation >25' To 30', Add	53.36	
For Elevated Installation >30' To 35', Add	60.99	
For Elevated Installation >35' To 40', Add	76.24	
For Elevated Installation >40', Add	83.86	
26 05 33 13-0432 EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	2,841.93	67.66
For Work In Restricted Working Space, Add	50.77	
For Elevated Installation >10' To 15', Add	16.92	
For Elevated Installation >15' To 20', Add	33.85	
For Elevated Installation >20' To 25', Add	42.31	
For Elevated Installation >25' To 30', Add	59.23	
For Elevated Installation >30' To 35', Add	67.70	
For Elevated Installation >35' To 40', Add	84.62	
For Elevated Installation >40', Add	93.08	
<b>26 05 33 13-0433 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers (26 05 33 13-0059)</b>		
26 05 33 13-0434 EA 1/2" To 3/4" Conduit, 14" Bonding Jumper .....	52.39	7.62
For Work In Restricted Working Space, Add	5.72	
For Elevated Installation >10' To 15', Add	1.91	
For Elevated Installation >15' To 20', Add	3.81	
For Elevated Installation >20' To 25', Add	4.77	
For Elevated Installation >25' To 30', Add	6.67	
For Elevated Installation >30' To 35', Add	7.63	
For Elevated Installation >35' To 40', Add	9.54	
For Elevated Installation >40', Add	10.49	
26 05 33 13-0435 EA 1" To 1-1/4" Conduit, 14" Bonding Jumper .....	60.51	9.53
For Work In Restricted Working Space, Add	7.15	
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.76	
For Elevated Installation >20' To 25', Add	5.96	
For Elevated Installation >25' To 30', Add	8.34	
For Elevated Installation >30' To 35', Add	9.53	
For Elevated Installation >35' To 40', Add	11.91	
For Elevated Installation >40', Add	13.10	
26 05 33 13-0436 EA 1-1/2" To 2" Conduit, 14" Bonding Jumper .....	74.53	11.43
For Work In Restricted Working Space, Add	8.57	
For Elevated Installation >10' To 15', Add	2.86	
For Elevated Installation >15' To 20', Add	5.72	
For Elevated Installation >20' To 25', Add	7.15	
For Elevated Installation >25' To 30', Add	10.00	
For Elevated Installation >30' To 35', Add	11.43	
For Elevated Installation >35' To 40', Add	14.29	
For Elevated Installation >40', Add	15.72	
26 05 33 13-0437 EA 2-1/2" To 3" Conduit, 14" Bonding Jumper .....	104.51	15.24
For Work In Restricted Working Space, Add	11.43	
For Elevated Installation >10' To 15', Add	3.81	
For Elevated Installation >15' To 20', Add	7.62	
For Elevated Installation >20' To 25', Add	9.53	
For Elevated Installation >25' To 30', Add	13.34	
For Elevated Installation >30' To 35', Add	15.24	
For Elevated Installation >35' To 40', Add	19.06	
For Elevated Installation >40', Add	20.96	
26 05 33 13-0438 EA 3-1/2" To 4" Conduit, 14" Bonding Jumper .....	158.30	22.87
For Work In Restricted Working Space, Add	17.15	
For Elevated Installation >10' To 15', Add	5.72	
For Elevated Installation >15' To 20', Add	11.44	
For Elevated Installation >20' To 25', Add	14.30	
For Elevated Installation >25' To 30', Add	20.01	
For Elevated Installation >30' To 35', Add	22.87	
For Elevated Installation >35' To 40', Add	28.59	
For Elevated Installation >40', Add	31.45	
26 05 33 13-0439 EA 5" To 6" Conduit, 14" Bonding Jumper .....	268.35	30.49
For Work In Restricted Working Space, Add	22.87	
For Elevated Installation >10' To 15', Add	7.62	
For Elevated Installation >15' To 20', Add	15.25	
For Elevated Installation >20' To 25', Add	19.06	
For Elevated Installation >25' To 30', Add	26.68	
For Elevated Installation >30' To 35', Add	30.49	
For Elevated Installation >35' To 40', Add	38.12	
For Elevated Installation >40', Add	41.93	
26 05 33 13-0440 EA 1/2" To 3/4" Conduit, 24" Bonding Jumper .....	58.10	7.62
For Work In Restricted Working Space, Add	5.72	
For Elevated Installation >10' To 15', Add	1.91	
For Elevated Installation >15' To 20', Add	3.81	
For Elevated Installation >20' To 25', Add	4.77	
For Elevated Installation >25' To 30', Add	6.67	
For Elevated Installation >30' To 35', Add	7.63	
For Elevated Installation >35' To 40', Add	9.54	
For Elevated Installation >40', Add	10.49	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0441 EA 1" To 1-1/4" Conduit, 24" Bonding Jumper .....	67.72	9.53
For Work In Restricted Working Space, Add	7.15	
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.76	
For Elevated Installation >20' To 25', Add	5.96	
For Elevated Installation >25' To 30', Add	8.34	
For Elevated Installation >30' To 35', Add	9.53	
For Elevated Installation >35' To 40', Add	11.91	
For Elevated Installation >40', Add	13.10	
26 05 33 13-0442 EA 1-1/2" To 2" Conduit, 24" Bonding Jumper .....	81.13	11.43
For Work In Restricted Working Space, Add	8.57	
For Elevated Installation >10' To 15', Add	2.86	
For Elevated Installation >15' To 20', Add	5.72	
For Elevated Installation >20' To 25', Add	7.15	
For Elevated Installation >25' To 30', Add	10.00	
For Elevated Installation >30' To 35', Add	11.43	
For Elevated Installation >35' To 40', Add	14.29	
For Elevated Installation >40', Add	15.72	
26 05 33 13-0443 EA 2-1/2" To 3" Conduit, 24" Bonding Jumper .....	113.28	15.24
For Work In Restricted Working Space, Add	11.43	
For Elevated Installation >10' To 15', Add	3.81	
For Elevated Installation >15' To 20', Add	7.62	
For Elevated Installation >20' To 25', Add	9.53	
For Elevated Installation >25' To 30', Add	13.34	
For Elevated Installation >30' To 35', Add	15.24	
For Elevated Installation >35' To 40', Add	19.06	
For Elevated Installation >40', Add	20.96	
26 05 33 13-0444 EA 3-1/2" To 4" Conduit, 24" Bonding Jumper .....	169.93	22.87
For Work In Restricted Working Space, Add	17.15	
For Elevated Installation >10' To 15', Add	5.72	
For Elevated Installation >15' To 20', Add	11.44	
For Elevated Installation >20' To 25', Add	14.30	
For Elevated Installation >25' To 30', Add	20.01	
For Elevated Installation >30' To 35', Add	22.87	
For Elevated Installation >35' To 40', Add	28.59	
For Elevated Installation >40', Add	31.45	
26 05 33 13-0445 EA 5" To 6" Conduit, 24" Bonding Jumper.....	305.86	30.49
For Work In Restricted Working Space, Add	22.87	
For Elevated Installation >10' To 15', Add	7.62	
For Elevated Installation >15' To 20', Add	15.25	
For Elevated Installation >20' To 25', Add	19.06	
For Elevated Installation >25' To 30', Add	26.68	
For Elevated Installation >30' To 35', Add	30.49	
For Elevated Installation >35' To 40', Add	38.12	
For Elevated Installation >40', Add	41.93	
<b>26 05 33 13-0446 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal</b> (26 05 33 13-0059)		
26 05 33 13-0447 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	96.02	23.82
For Work In Restricted Working Space, Add	14.29	
For Elevated Installation >10' To 15', Add	4.76	
For Elevated Installation >15' To 20', Add	9.53	
For Elevated Installation >20' To 25', Add	11.91	
For Elevated Installation >25' To 30', Add	16.67	
For Elevated Installation >30' To 35', Add	19.06	
For Elevated Installation >35' To 40', Add	23.82	
For Elevated Installation >40', Add	26.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.29	
26 05 33 13-0448 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	114.00	28.58
For Work In Restricted Working Space, Add	17.15	
For Elevated Installation >10' To 15', Add	5.72	
For Elevated Installation >15' To 20', Add	11.44	
For Elevated Installation >20' To 25', Add	14.30	
For Elevated Installation >25' To 30', Add	20.01	
For Elevated Installation >30' To 35', Add	22.87	
For Elevated Installation >35' To 40', Add	28.59	
For Elevated Installation >40', Add	31.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.15	
26 05 33 13-0449 EA 1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	139.74	33.35
For Work In Restricted Working Space, Add	20.01	
For Elevated Installation >10' To 15', Add	6.67	
For Elevated Installation >15' To 20', Add	13.34	
For Elevated Installation >20' To 25', Add	16.68	
For Elevated Installation >25' To 30', Add	23.35	
For Elevated Installation >30' To 35', Add	26.68	
For Elevated Installation >35' To 40', Add	33.36	
For Elevated Installation >40', Add	36.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0450 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	164.91	38.11
For Work In Restricted Working Space, Add	22.87	
For Elevated Installation >10' To 15', Add	7.62	
For Elevated Installation >15' To 20', Add	15.25	
For Elevated Installation >20' To 25', Add	19.06	
For Elevated Installation >25' To 30', Add	26.68	
For Elevated Installation >30' To 35', Add	30.49	
For Elevated Installation >35' To 40', Add	38.12	
For Elevated Installation >40', Add	41.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.87	
26 05 33 13-0451 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	219.27	42.88
For Work In Restricted Working Space, Add	25.73	
For Elevated Installation >10' To 15', Add	8.58	
For Elevated Installation >15' To 20', Add	17.15	
For Elevated Installation >20' To 25', Add	21.44	
For Elevated Installation >25' To 30', Add	30.02	
For Elevated Installation >30' To 35', Add	34.30	
For Elevated Installation >35' To 40', Add	42.88	
For Elevated Installation >40', Add	47.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.73	
26 05 33 13-0452 EA 2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	268.27	47.64
For Work In Restricted Working Space, Add	28.59	
For Elevated Installation >10' To 15', Add	9.53	
For Elevated Installation >15' To 20', Add	19.06	
For Elevated Installation >20' To 25', Add	23.82	
For Elevated Installation >25' To 30', Add	33.35	
For Elevated Installation >30' To 35', Add	38.12	
For Elevated Installation >35' To 40', Add	47.65	
For Elevated Installation >40', Add	52.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.59	
26 05 33 13-0453 EA 2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal .....	383.11	57.18
For Work In Restricted Working Space, Add	34.31	
For Elevated Installation >10' To 15', Add	11.44	
For Elevated Installation >15' To 20', Add	22.87	
For Elevated Installation >20' To 25', Add	28.59	
For Elevated Installation >25' To 30', Add	40.02	
For Elevated Installation >30' To 35', Add	45.74	
For Elevated Installation >35' To 40', Add	57.18	
For Elevated Installation >40', Add	62.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.31	
26 05 33 13-0454 EA 3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	461.70	66.71
For Work In Restricted Working Space, Add	40.02	
For Elevated Installation >10' To 15', Add	13.34	
For Elevated Installation >15' To 20', Add	26.68	
For Elevated Installation >20' To 25', Add	33.35	
For Elevated Installation >25' To 30', Add	46.69	
For Elevated Installation >30' To 35', Add	53.36	
For Elevated Installation >35' To 40', Add	66.70	
For Elevated Installation >40', Add	73.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.02	
26 05 33 13-0455 EA 3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	1,099.32	76.23
For Work In Restricted Working Space, Add	45.74	
For Elevated Installation >10' To 15', Add	15.25	
For Elevated Installation >15' To 20', Add	30.49	
For Elevated Installation >20' To 25', Add	38.12	
For Elevated Installation >25' To 30', Add	53.36	
For Elevated Installation >30' To 35', Add	60.99	
For Elevated Installation >35' To 40', Add	76.24	
For Elevated Installation >40', Add	83.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.74	
26 05 33 13-0456 EA 4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	1,267.36	85.76
For Work In Restricted Working Space, Add	51.46	
For Elevated Installation >10' To 15', Add	17.15	
For Elevated Installation >15' To 20', Add	34.31	
For Elevated Installation >20' To 25', Add	42.88	
For Elevated Installation >25' To 30', Add	60.04	
For Elevated Installation >30' To 35', Add	68.61	
For Elevated Installation >35' To 40', Add	85.77	
For Elevated Installation >40', Add	94.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.46	
<b>26 05 33 13-0457 Rigid Galvanized Steel (RGS) Threaded Couplings</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0458 EA 1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	12.55	5.72
For Work In Restricted Working Space, Add	3.43	
For Elevated Installation >10' To 15', Add	1.14	
For Elevated Installation >15' To 20', Add	2.29	
For Elevated Installation >20' To 25', Add	2.86	
For Elevated Installation >25' To 30', Add	4.00	
For Elevated Installation >30' To 35', Add	4.57	
For Elevated Installation >35' To 40', Add	5.72	
For Elevated Installation >40', Add	6.29	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0459 EA 3/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	17.60	8.10
For Work In Restricted Working Space, Add	4.86	
For Elevated Installation >10' To 15', Add	1.62	
For Elevated Installation >15' To 20', Add	3.24	
For Elevated Installation >20' To 25', Add	4.05	
For Elevated Installation >25' To 30', Add	5.67	
For Elevated Installation >30' To 35', Add	6.48	
For Elevated Installation >35' To 40', Add	8.10	
For Elevated Installation >40', Add	8.91	
26 05 33 13-0460 EA 1" Rigid Galvanized Steel (RGS) Threaded Coupling.....	23.10	10.48
For Work In Restricted Working Space, Add	6.29	
For Elevated Installation >10' To 15', Add	2.10	
For Elevated Installation >15' To 20', Add	4.19	
For Elevated Installation >20' To 25', Add	5.24	
For Elevated Installation >25' To 30', Add	7.34	
For Elevated Installation >30' To 35', Add	8.38	
For Elevated Installation >35' To 40', Add	10.48	
For Elevated Installation >40', Add	11.53	
26 05 33 13-0461 EA 1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	26.52	11.92
For Work In Restricted Working Space, Add	7.15	
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.76	
For Elevated Installation >20' To 25', Add	5.96	
For Elevated Installation >25' To 30', Add	8.34	
For Elevated Installation >30' To 35', Add	9.53	
For Elevated Installation >35' To 40', Add	11.91	
For Elevated Installation >40', Add	13.10	
26 05 33 13-0462 EA 1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	31.96	14.29
For Work In Restricted Working Space, Add	8.57	
For Elevated Installation >10' To 15', Add	2.86	
For Elevated Installation >15' To 20', Add	5.72	
For Elevated Installation >20' To 25', Add	7.15	
For Elevated Installation >25' To 30', Add	10.00	
For Elevated Installation >30' To 35', Add	11.43	
For Elevated Installation >35' To 40', Add	14.29	
For Elevated Installation >40', Add	15.72	
26 05 33 13-0463 EA 2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	37.44	16.20
For Work In Restricted Working Space, Add	9.72	
For Elevated Installation >10' To 15', Add	3.24	
For Elevated Installation >15' To 20', Add	6.48	
For Elevated Installation >20' To 25', Add	8.10	
For Elevated Installation >25' To 30', Add	11.34	
For Elevated Installation >30' To 35', Add	12.96	
For Elevated Installation >35' To 40', Add	16.20	
For Elevated Installation >40', Add	17.82	
26 05 33 13-0464 EA 2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	47.52	18.10
For Work In Restricted Working Space, Add	10.86	
For Elevated Installation >10' To 15', Add	3.62	
For Elevated Installation >15' To 20', Add	7.24	
For Elevated Installation >20' To 25', Add	9.05	
For Elevated Installation >25' To 30', Add	12.67	
For Elevated Installation >30' To 35', Add	14.48	
For Elevated Installation >35' To 40', Add	18.11	
For Elevated Installation >40', Add	19.92	
26 05 33 13-0465 EA 3" Rigid Galvanized Steel (RGS) Threaded Coupling.....	55.67	20.49
For Work In Restricted Working Space, Add	12.29	
For Elevated Installation >10' To 15', Add	4.10	
For Elevated Installation >15' To 20', Add	8.19	
For Elevated Installation >20' To 25', Add	10.24	
For Elevated Installation >25' To 30', Add	14.34	
For Elevated Installation >30' To 35', Add	16.39	
For Elevated Installation >35' To 40', Add	20.49	
For Elevated Installation >40', Add	22.53	
26 05 33 13-0466 EA 3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	64.64	22.40
For Work In Restricted Working Space, Add	13.43	
For Elevated Installation >10' To 15', Add	4.48	
For Elevated Installation >15' To 20', Add	8.96	
For Elevated Installation >20' To 25', Add	11.20	
For Elevated Installation >25' To 30', Add	15.67	
For Elevated Installation >30' To 35', Add	17.91	
For Elevated Installation >35' To 40', Add	22.39	
For Elevated Installation >40', Add	24.63	
26 05 33 13-0467 EA 4" Threaded Rigid Galvanized Steel (RGS) Coupling.....	68.33	23.82
For Work In Restricted Working Space, Add	14.29	
For Elevated Installation >10' To 15', Add	4.76	
For Elevated Installation >15' To 20', Add	9.53	
For Elevated Installation >20' To 25', Add	11.91	
For Elevated Installation >25' To 30', Add	16.67	
For Elevated Installation >30' To 35', Add	19.06	
For Elevated Installation >35' To 40', Add	23.82	
For Elevated Installation >40', Add	26.20	

**26 05 33 13-0468 Rigid Galvanized Steel (RGS) Sealing Locknut** (26 05 33 13-0059)

26 05 33 13-0469 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	2.90	0.95
26 05 33 13-0470 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	4.00	1.43
26 05 33 13-0471 EA 1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	6.64	2.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0472 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	9.61	3.34
26 05 33 13-0473 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	11.50	3.81
26 05 33 13-0474 EA 2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	13.52	4.29
<b>26 05 33 13-0475 Rigid Galvanized Steel (RGS) Fire Stop Fittings</b> (26 05 33 13-0059)		
26 05 33 13-0476 EA 1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	221.66	11.56
<i>For Work In Restricted Working Space, Add</i>	8.67	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.89	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.78	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.23	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.12	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.56	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.46	
<i>For Elevated Installation &gt;40', Add</i>	15.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.67	
26 05 33 13-0477 EA 3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	224.45	12.68
<i>For Work In Restricted Working Space, Add</i>	9.51	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.17	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.34	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.93	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.10	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.68	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.85	
<i>For Elevated Installation &gt;40', Add</i>	17.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.51	
26 05 33 13-0478 EA 1" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	270.61	13.91
<i>For Work In Restricted Working Space, Add</i>	10.41	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.47	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.94	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.15	
<i>For Elevated Installation &gt;30' To 35', Add</i>	13.88	
<i>For Elevated Installation &gt;35' To 40', Add</i>	17.36	
<i>For Elevated Installation &gt;40', Add</i>	19.09	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.41	
26 05 33 13-0479 EA 1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	297.07	15.24
<i>For Work In Restricted Working Space, Add</i>	11.45	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.82	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.63	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.54	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.26	
<i>For Elevated Installation &gt;35' To 40', Add</i>	19.08	
<i>For Elevated Installation &gt;40', Add</i>	20.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.45	
26 05 33 13-0480 EA 1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	339.20	17.15
<i>For Work In Restricted Working Space, Add</i>	12.86	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.29	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.58	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.72	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.01	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.15	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.44	
<i>For Elevated Installation &gt;40', Add</i>	23.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.86	
26 05 33 13-0481 EA 2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	507.97	19.06
<i>For Work In Restricted Working Space, Add</i>	14.30	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.77	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.53	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.92	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	19.07	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.84	
<i>For Elevated Installation &gt;40', Add</i>	26.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.30	
26 05 33 13-0482 EA 2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	581.41	25.45
<i>For Work In Restricted Working Space, Add</i>	19.07	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.36	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.71	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.89	
<i>For Elevated Installation &gt;25' To 30', Add</i>	22.25	
<i>For Elevated Installation &gt;30' To 35', Add</i>	25.43	
<i>For Elevated Installation &gt;35' To 40', Add</i>	31.79	
<i>For Elevated Installation &gt;40', Add</i>	34.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.07	
26 05 33 13-0483 EA 3" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	645.23	27.92
<i>For Work In Restricted Working Space, Add</i>	20.96	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.99	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.97	
<i>For Elevated Installation &gt;20' To 25', Add</i>	17.46	
<i>For Elevated Installation &gt;25' To 30', Add</i>	24.45	
<i>For Elevated Installation &gt;30' To 35', Add</i>	27.94	
<i>For Elevated Installation &gt;35' To 40', Add</i>	34.93	
<i>For Elevated Installation &gt;40', Add</i>	38.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.96	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0484 EA 3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	752.31	30.49
For Work In Restricted Working Space, Add	22.87	
For Elevated Installation >10' To 15', Add	7.62	
For Elevated Installation >15' To 20', Add	15.25	
For Elevated Installation >20' To 25', Add	19.06	
For Elevated Installation >25' To 30', Add	26.68	
For Elevated Installation >30' To 35', Add	30.50	
For Elevated Installation >35' To 40', Add	38.12	
For Elevated Installation >40', Add	41.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.87	
26 05 33 13-0485 EA 4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	848.13	34.30
For Work In Restricted Working Space, Add	25.73	
For Elevated Installation >10' To 15', Add	8.58	
For Elevated Installation >15' To 20', Add	17.15	
For Elevated Installation >20' To 25', Add	21.44	
For Elevated Installation >25' To 30', Add	30.02	
For Elevated Installation >30' To 35', Add	34.30	
For Elevated Installation >35' To 40', Add	42.88	
For Elevated Installation >40', Add	47.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.73	
26 05 33 13-0486 EA 5" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	1,145.35	38.11
For Work In Restricted Working Space, Add	28.59	
For Elevated Installation >10' To 15', Add	9.53	
For Elevated Installation >15' To 20', Add	19.06	
For Elevated Installation >20' To 25', Add	23.82	
For Elevated Installation >25' To 30', Add	33.35	
For Elevated Installation >30' To 35', Add	38.12	
For Elevated Installation >35' To 40', Add	47.65	
For Elevated Installation >40', Add	52.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.59	
26 05 33 13-0487 EA 6" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	1,429.14	42.30
For Work In Restricted Working Space, Add	31.73	
For Elevated Installation >10' To 15', Add	10.58	
For Elevated Installation >15' To 20', Add	21.15	
For Elevated Installation >20' To 25', Add	26.44	
For Elevated Installation >25' To 30', Add	37.02	
For Elevated Installation >30' To 35', Add	42.31	
For Elevated Installation >35' To 40', Add	52.89	
For Elevated Installation >40', Add	58.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.73	
<b>26 05 33 13-0488 Rigid Galvanized Steel (RGS) Reducing Bushings (26 05 33 13-0059)</b>		
26 05 33 13-0489 EA 3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	15.54	7.38
For Work In Restricted Working Space, Add	4.43	
For Elevated Installation >10' To 15', Add	1.48	
For Elevated Installation >15' To 20', Add	2.95	
For Elevated Installation >20' To 25', Add	3.69	
For Elevated Installation >25' To 30', Add	5.17	
For Elevated Installation >30' To 35', Add	5.91	
For Elevated Installation >35' To 40', Add	7.39	
For Elevated Installation >40', Add	8.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.43	
26 05 33 13-0490 EA 1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	17.13	7.86
For Work In Restricted Working Space, Add	4.72	
For Elevated Installation >10' To 15', Add	1.57	
For Elevated Installation >15' To 20', Add	3.15	
For Elevated Installation >20' To 25', Add	3.93	
For Elevated Installation >25' To 30', Add	5.51	
For Elevated Installation >30' To 35', Add	6.29	
For Elevated Installation >35' To 40', Add	7.87	
For Elevated Installation >40', Add	8.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.72	
26 05 33 13-0491 EA 1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing .....	17.60	8.10
For Work In Restricted Working Space, Add	4.86	
For Elevated Installation >10' To 15', Add	1.62	
For Elevated Installation >15' To 20', Add	3.24	
For Elevated Installation >20' To 25', Add	4.05	
For Elevated Installation >25' To 30', Add	5.67	
For Elevated Installation >30' To 35', Add	6.48	
For Elevated Installation >35' To 40', Add	8.10	
For Elevated Installation >40', Add	8.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.86	
26 05 33 13-0492 EA 1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	20.32	8.33
For Work In Restricted Working Space, Add	5.00	
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.34	
For Elevated Installation >20' To 25', Add	4.17	
For Elevated Installation >25' To 30', Add	5.84	
For Elevated Installation >30' To 35', Add	6.67	
For Elevated Installation >35' To 40', Add	8.34	
For Elevated Installation >40', Add	9.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.00	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0493 EA 1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	20.79	8.58
For Work In Restricted Working Space, Add	5.15	
For Elevated Installation >10' To 15', Add	1.72	
For Elevated Installation >15' To 20', Add	3.43	
For Elevated Installation >20' To 25', Add	4.29	
For Elevated Installation >25' To 30', Add	6.00	
For Elevated Installation >30' To 35', Add	6.86	
For Elevated Installation >35' To 40', Add	8.58	
For Elevated Installation >40', Add	9.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.15	
26 05 33 13-0494 EA 1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing.....	21.74	9.06
For Work In Restricted Working Space, Add	5.43	
For Elevated Installation >10' To 15', Add	1.81	
For Elevated Installation >15' To 20', Add	3.62	
For Elevated Installation >20' To 25', Add	4.53	
For Elevated Installation >25' To 30', Add	6.34	
For Elevated Installation >30' To 35', Add	7.24	
For Elevated Installation >35' To 40', Add	9.05	
For Elevated Installation >40', Add	9.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.43	
26 05 33 13-0495 EA 1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	23.47	9.53
For Work In Restricted Working Space, Add	5.72	
For Elevated Installation >10' To 15', Add	1.91	
For Elevated Installation >15' To 20', Add	3.81	
For Elevated Installation >20' To 25', Add	4.77	
For Elevated Installation >25' To 30', Add	6.67	
For Elevated Installation >30' To 35', Add	7.62	
For Elevated Installation >35' To 40', Add	9.53	
For Elevated Installation >40', Add	10.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.72	
26 05 33 13-0496 EA 1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	23.95	9.77
For Work In Restricted Working Space, Add	5.86	
For Elevated Installation >10' To 15', Add	1.95	
For Elevated Installation >15' To 20', Add	3.91	
For Elevated Installation >20' To 25', Add	4.89	
For Elevated Installation >25' To 30', Add	6.84	
For Elevated Installation >30' To 35', Add	7.82	
For Elevated Installation >35' To 40', Add	9.77	
For Elevated Installation >40', Add	10.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.86	
26 05 33 13-0497 EA 1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing.....	24.90	10.24
For Work In Restricted Working Space, Add	6.15	
For Elevated Installation >10' To 15', Add	2.05	
For Elevated Installation >15' To 20', Add	4.10	
For Elevated Installation >20' To 25', Add	5.12	
For Elevated Installation >25' To 30', Add	7.17	
For Elevated Installation >30' To 35', Add	8.20	
For Elevated Installation >35' To 40', Add	10.25	
For Elevated Installation >40', Add	11.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.15	
26 05 33 13-0498 EA 1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	25.85	10.72
For Work In Restricted Working Space, Add	6.43	
For Elevated Installation >10' To 15', Add	2.14	
For Elevated Installation >15' To 20', Add	4.29	
For Elevated Installation >20' To 25', Add	5.36	
For Elevated Installation >25' To 30', Add	7.50	
For Elevated Installation >30' To 35', Add	8.58	
For Elevated Installation >35' To 40', Add	10.72	
For Elevated Installation >40', Add	11.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.43	
26 05 33 13-0499 EA 2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	31.13	10.72
For Work In Restricted Working Space, Add	6.43	
For Elevated Installation >10' To 15', Add	2.14	
For Elevated Installation >15' To 20', Add	4.29	
For Elevated Installation >20' To 25', Add	5.36	
For Elevated Installation >25' To 30', Add	7.50	
For Elevated Installation >30' To 35', Add	8.58	
For Elevated Installation >35' To 40', Add	10.72	
For Elevated Installation >40', Add	11.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.43	
26 05 33 13-0500 EA 2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	31.60	10.96
For Work In Restricted Working Space, Add	6.57	
For Elevated Installation >10' To 15', Add	2.19	
For Elevated Installation >15' To 20', Add	4.38	
For Elevated Installation >20' To 25', Add	5.48	
For Elevated Installation >25' To 30', Add	7.67	
For Elevated Installation >30' To 35', Add	8.76	
For Elevated Installation >35' To 40', Add	10.96	
For Elevated Installation >40', Add	12.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.57	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0501	EA		2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing .....	32.56	11.43
			<i>For Work In Restricted Working Space, Add</i>	6.86	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.29	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.57	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.44	
			<i>For Elevated Installation &gt;40', Add</i>	12.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.86	
26 05 33 13-0502	EA		2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing .....	33.51	11.92
			<i>For Work In Restricted Working Space, Add</i>	7.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.38	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.76	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.96	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.91	
			<i>For Elevated Installation &gt;40', Add</i>	13.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.15	
26 05 33 13-0503	EA		2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	35.90	13.10
			<i>For Work In Restricted Working Space, Add</i>	7.86	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.24	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.11	
			<i>For Elevated Installation &gt;40', Add</i>	14.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
26 05 33 13-0504	EA		2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	45.33	15.49
			<i>For Work In Restricted Working Space, Add</i>	9.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.19	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
			<i>For Elevated Installation &gt;40', Add</i>	17.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
<b>26 05 33 13-0505</b>			<b>Rigid Galvanized Steel (RGS) Locknuts</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0506	EA		1/2" Rigid Galvanized Steel (RGS) Locknuts .....	1.98	0.95
			<i>For Work In Restricted Working Space, Add</i>	0.57	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	0.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	0.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	0.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	0.96	
			<i>For Elevated Installation &gt;40', Add</i>	1.05	
26 05 33 13-0507	EA		3/4" Rigid Galvanized Steel (RGS) Locknuts .....	2.96	1.43
			<i>For Work In Restricted Working Space, Add</i>	0.86	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.29	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.57	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	0.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	1.14	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	1.43	
			<i>For Elevated Installation &gt;40', Add</i>	1.57	
26 05 33 13-0508	EA		1" Rigid Galvanized Steel (RGS) Locknuts .....	4.93	2.39
			<i>For Work In Restricted Working Space, Add</i>	1.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	1.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.38	
			<i>For Elevated Installation &gt;40', Add</i>	2.62	
26 05 33 13-0509	EA		1-1/4" Rigid Galvanized Steel (RGS) Locknuts .....	6.94	3.34
			<i>For Work In Restricted Working Space, Add</i>	2.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.67	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.67	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.67	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.34	
			<i>For Elevated Installation &gt;40', Add</i>	3.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0510 EA 1-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	7.97	3.81
For Work In Restricted Working Space, Add	2.29	
For Elevated Installation >10' To 15', Add	0.76	
For Elevated Installation >15' To 20', Add	1.52	
For Elevated Installation >20' To 25', Add	1.91	
For Elevated Installation >25' To 30', Add	2.67	
For Elevated Installation >30' To 35', Add	3.05	
For Elevated Installation >35' To 40', Add	3.81	
For Elevated Installation >40', Add	4.19	
26 05 33 13-0511 EA 2" Rigid Galvanized Steel (RGS) Locknuts.....	9.01	4.29
For Work In Restricted Working Space, Add	2.57	
For Elevated Installation >10' To 15', Add	0.86	
For Elevated Installation >15' To 20', Add	1.72	
For Elevated Installation >20' To 25', Add	2.15	
For Elevated Installation >25' To 30', Add	3.00	
For Elevated Installation >30' To 35', Add	3.43	
For Elevated Installation >35' To 40', Add	4.29	
For Elevated Installation >40', Add	4.72	
26 05 33 13-0512 EA 2-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	12.58	5.72
For Work In Restricted Working Space, Add	3.43	
For Elevated Installation >10' To 15', Add	1.14	
For Elevated Installation >15' To 20', Add	2.29	
For Elevated Installation >20' To 25', Add	2.86	
For Elevated Installation >25' To 30', Add	4.00	
For Elevated Installation >30' To 35', Add	4.57	
For Elevated Installation >35' To 40', Add	5.72	
For Elevated Installation >40', Add	6.29	
26 05 33 13-0513 EA 3" Rigid Galvanized Steel (RGS) Locknuts.....	15.56	7.15
For Work In Restricted Working Space, Add	4.29	
For Elevated Installation >10' To 15', Add	1.43	
For Elevated Installation >15' To 20', Add	2.86	
For Elevated Installation >20' To 25', Add	3.57	
For Elevated Installation >25' To 30', Add	5.00	
For Elevated Installation >30' To 35', Add	5.72	
For Elevated Installation >35' To 40', Add	7.15	
For Elevated Installation >40', Add	7.86	
26 05 33 13-0514 EA 3-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	18.31	8.10
For Work In Restricted Working Space, Add	4.86	
For Elevated Installation >10' To 15', Add	1.62	
For Elevated Installation >15' To 20', Add	3.24	
For Elevated Installation >20' To 25', Add	4.05	
For Elevated Installation >25' To 30', Add	5.67	
For Elevated Installation >30' To 35', Add	6.48	
For Elevated Installation >35' To 40', Add	8.10	
For Elevated Installation >40', Add	8.91	
26 05 33 13-0515 EA 4" Rigid Galvanized Steel (RGS) Locknuts.....	20.53	9.06
For Work In Restricted Working Space, Add	5.43	
For Elevated Installation >10' To 15', Add	1.81	
For Elevated Installation >15' To 20', Add	3.62	
For Elevated Installation >20' To 25', Add	4.53	
For Elevated Installation >25' To 30', Add	6.34	
For Elevated Installation >30' To 35', Add	7.24	
For Elevated Installation >35' To 40', Add	9.05	
For Elevated Installation >40', Add	9.96	
<b>26 05 33 13-0516 Rigid Galvanized Steel (RGS) Grounding Locknuts</b> (26 05 33 13-0059)		
26 05 33 13-0517 EA 1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	2.96	0.95
For Work In Restricted Working Space, Add	0.57	
For Elevated Installation >10' To 15', Add	0.19	
For Elevated Installation >15' To 20', Add	0.38	
For Elevated Installation >20' To 25', Add	0.48	
For Elevated Installation >25' To 30', Add	0.67	
For Elevated Installation >30' To 35', Add	0.76	
For Elevated Installation >35' To 40', Add	0.96	
For Elevated Installation >40', Add	1.05	
26 05 33 13-0518 EA 3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	4.12	1.43
For Work In Restricted Working Space, Add	0.86	
For Elevated Installation >10' To 15', Add	0.29	
For Elevated Installation >15' To 20', Add	0.57	
For Elevated Installation >20' To 25', Add	0.72	
For Elevated Installation >25' To 30', Add	1.00	
For Elevated Installation >30' To 35', Add	1.14	
For Elevated Installation >35' To 40', Add	1.43	
For Elevated Installation >40', Add	1.57	
26 05 33 13-0519 EA 1" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	6.56	2.39
For Work In Restricted Working Space, Add	1.43	
For Elevated Installation >10' To 15', Add	0.48	
For Elevated Installation >15' To 20', Add	0.95	
For Elevated Installation >20' To 25', Add	1.19	
For Elevated Installation >25' To 30', Add	1.67	
For Elevated Installation >30' To 35', Add	1.90	
For Elevated Installation >35' To 40', Add	2.38	
For Elevated Installation >40', Add	2.62	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0520 EA 1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	9.18	3.34
For Work In Restricted Working Space, Add	2.00	
For Elevated Installation >10' To 15', Add	0.67	
For Elevated Installation >15' To 20', Add	1.33	
For Elevated Installation >20' To 25', Add	1.67	
For Elevated Installation >25' To 30', Add	2.33	
For Elevated Installation >30' To 35', Add	2.67	
For Elevated Installation >35' To 40', Add	3.34	
For Elevated Installation >40', Add	3.67	
26 05 33 13-0521 EA 1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	10.37	3.81
For Work In Restricted Working Space, Add	2.29	
For Elevated Installation >10' To 15', Add	0.76	
For Elevated Installation >15' To 20', Add	1.52	
For Elevated Installation >20' To 25', Add	1.91	
For Elevated Installation >25' To 30', Add	2.67	
For Elevated Installation >30' To 35', Add	3.05	
For Elevated Installation >35' To 40', Add	3.81	
For Elevated Installation >40', Add	4.19	
26 05 33 13-0522 EA 2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	12.16	4.29
For Work In Restricted Working Space, Add	2.57	
For Elevated Installation >10' To 15', Add	0.86	
For Elevated Installation >15' To 20', Add	1.72	
For Elevated Installation >20' To 25', Add	2.15	
For Elevated Installation >25' To 30', Add	3.00	
For Elevated Installation >30' To 35', Add	3.43	
For Elevated Installation >35' To 40', Add	4.29	
For Elevated Installation >40', Add	4.72	
26 05 33 13-0523 EA 2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	18.09	5.72
For Work In Restricted Working Space, Add	3.43	
For Elevated Installation >10' To 15', Add	1.14	
For Elevated Installation >15' To 20', Add	2.29	
For Elevated Installation >20' To 25', Add	2.86	
For Elevated Installation >25' To 30', Add	4.00	
For Elevated Installation >30' To 35', Add	4.57	
For Elevated Installation >35' To 40', Add	5.72	
For Elevated Installation >40', Add	6.29	
26 05 33 13-0524 EA 3" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	22.75	7.15
For Work In Restricted Working Space, Add	4.29	
For Elevated Installation >10' To 15', Add	1.43	
For Elevated Installation >15' To 20', Add	2.86	
For Elevated Installation >20' To 25', Add	3.57	
For Elevated Installation >25' To 30', Add	5.00	
For Elevated Installation >30' To 35', Add	5.72	
For Elevated Installation >35' To 40', Add	7.15	
For Elevated Installation >40', Add	7.86	
26 05 33 13-0525 EA 3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	29.93	8.10
For Work In Restricted Working Space, Add	4.86	
For Elevated Installation >10' To 15', Add	1.62	
For Elevated Installation >15' To 20', Add	3.24	
For Elevated Installation >20' To 25', Add	4.05	
For Elevated Installation >25' To 30', Add	5.67	
For Elevated Installation >30' To 35', Add	6.48	
For Elevated Installation >35' To 40', Add	8.10	
For Elevated Installation >40', Add	8.91	
26 05 33 13-0526 EA 4" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	35.80	9.06
For Work In Restricted Working Space, Add	5.43	
For Elevated Installation >10' To 15', Add	1.81	
For Elevated Installation >15' To 20', Add	3.62	
For Elevated Installation >20' To 25', Add	4.53	
For Elevated Installation >25' To 30', Add	6.34	
For Elevated Installation >30' To 35', Add	7.24	
For Elevated Installation >35' To 40', Add	9.05	
For Elevated Installation >40', Add	9.96	
<b>26 05 33 13-0527 Rigid Galvanized Steel (RGS) Insulated Ground Bushing</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0528 EA 1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	8.35	2.86
For Work In Restricted Working Space, Add	1.72	
For Elevated Installation >10' To 15', Add	0.57	
For Elevated Installation >15' To 20', Add	1.14	
For Elevated Installation >20' To 25', Add	1.43	
For Elevated Installation >25' To 30', Add	2.00	
For Elevated Installation >30' To 35', Add	2.29	
For Elevated Installation >35' To 40', Add	2.86	
For Elevated Installation >40', Add	3.15	
26 05 33 13-0529 EA 3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	10.47	3.81
For Work In Restricted Working Space, Add	2.29	
For Elevated Installation >10' To 15', Add	0.76	
For Elevated Installation >15' To 20', Add	1.52	
For Elevated Installation >20' To 25', Add	1.91	
For Elevated Installation >25' To 30', Add	2.67	
For Elevated Installation >30' To 35', Add	3.05	
For Elevated Installation >35' To 40', Add	3.81	
For Elevated Installation >40', Add	4.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0530 EA 1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	13.37	4.76
For Work In Restricted Working Space, Add	2.86	
For Elevated Installation >10' To 15', Add	0.95	
For Elevated Installation >15' To 20', Add	1.91	
For Elevated Installation >20' To 25', Add	2.38	
For Elevated Installation >25' To 30', Add	3.34	
For Elevated Installation >30' To 35', Add	3.81	
For Elevated Installation >35' To 40', Add	4.77	
For Elevated Installation >40', Add	5.24	
26 05 33 13-0531 EA 1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	19.53	7.62
For Work In Restricted Working Space, Add	4.57	
For Elevated Installation >10' To 15', Add	1.52	
For Elevated Installation >15' To 20', Add	3.05	
For Elevated Installation >20' To 25', Add	3.81	
For Elevated Installation >25' To 30', Add	5.33	
For Elevated Installation >30' To 35', Add	6.10	
For Elevated Installation >35' To 40', Add	7.62	
For Elevated Installation >40', Add	8.38	
26 05 33 13-0532 EA 1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	22.00	8.58
For Work In Restricted Working Space, Add	5.15	
For Elevated Installation >10' To 15', Add	1.72	
For Elevated Installation >15' To 20', Add	3.43	
For Elevated Installation >20' To 25', Add	4.29	
For Elevated Installation >25' To 30', Add	6.00	
For Elevated Installation >30' To 35', Add	6.86	
For Elevated Installation >35' To 40', Add	8.58	
For Elevated Installation >40', Add	9.43	
26 05 33 13-0533 EA 2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	25.01	9.53
For Work In Restricted Working Space, Add	5.72	
For Elevated Installation >10' To 15', Add	1.91	
For Elevated Installation >15' To 20', Add	3.81	
For Elevated Installation >20' To 25', Add	4.77	
For Elevated Installation >25' To 30', Add	6.67	
For Elevated Installation >30' To 35', Add	7.62	
For Elevated Installation >35' To 40', Add	9.53	
For Elevated Installation >40', Add	10.48	
26 05 33 13-0534 EA 2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	34.37	11.43
For Work In Restricted Working Space, Add	6.86	
For Elevated Installation >10' To 15', Add	2.29	
For Elevated Installation >15' To 20', Add	4.57	
For Elevated Installation >20' To 25', Add	5.72	
For Elevated Installation >25' To 30', Add	8.00	
For Elevated Installation >30' To 35', Add	9.15	
For Elevated Installation >35' To 40', Add	11.44	
For Elevated Installation >40', Add	12.58	
26 05 33 13-0535 EA 3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	41.75	14.29
For Work In Restricted Working Space, Add	8.57	
For Elevated Installation >10' To 15', Add	2.86	
For Elevated Installation >15' To 20', Add	5.72	
For Elevated Installation >20' To 25', Add	7.15	
For Elevated Installation >25' To 30', Add	10.00	
For Elevated Installation >30' To 35', Add	11.43	
For Elevated Installation >35' To 40', Add	14.29	
For Elevated Installation >40', Add	15.72	
26 05 33 13-0536 EA 3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	51.71	19.06
For Work In Restricted Working Space, Add	11.43	
For Elevated Installation >10' To 15', Add	3.81	
For Elevated Installation >15' To 20', Add	7.62	
For Elevated Installation >20' To 25', Add	9.53	
For Elevated Installation >25' To 30', Add	13.34	
For Elevated Installation >30' To 35', Add	15.24	
For Elevated Installation >35' To 40', Add	19.06	
For Elevated Installation >40', Add	20.96	
26 05 33 13-0537 EA 4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	63.02	23.82
For Work In Restricted Working Space, Add	14.29	
For Elevated Installation >10' To 15', Add	4.76	
For Elevated Installation >15' To 20', Add	9.53	
For Elevated Installation >20' To 25', Add	11.91	
For Elevated Installation >25' To 30', Add	16.67	
For Elevated Installation >30' To 35', Add	19.06	
For Elevated Installation >35' To 40', Add	23.82	
For Elevated Installation >40', Add	26.20	
<b>26 05 33 13-0538 Rigid Galvanized Steel (RGS) Threadless Compression Connectors</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0539 EA 1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	20.99	8.58
For Work In Restricted Working Space, Add	5.15	
For Elevated Installation >10' To 15', Add	1.72	
For Elevated Installation >15' To 20', Add	3.43	
For Elevated Installation >20' To 25', Add	4.29	
For Elevated Installation >25' To 30', Add	6.00	
For Elevated Installation >30' To 35', Add	6.86	
For Elevated Installation >35' To 40', Add	8.58	
For Elevated Installation >40', Add	9.43	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0540 EA 3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	25.24	9.53
For Work In Restricted Working Space, Add	5.72	
For Elevated Installation >10' To 15', Add	1.91	
For Elevated Installation >15' To 20', Add	3.81	
For Elevated Installation >20' To 25', Add	4.77	
For Elevated Installation >25' To 30', Add	6.67	
For Elevated Installation >30' To 35', Add	7.62	
For Elevated Installation >35' To 40', Add	9.53	
For Elevated Installation >40', Add	10.48	
26 05 33 13-0541 EA 1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	33.47	11.92
For Work In Restricted Working Space, Add	7.15	
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.76	
For Elevated Installation >20' To 25', Add	5.96	
For Elevated Installation >25' To 30', Add	8.34	
For Elevated Installation >30' To 35', Add	9.53	
For Elevated Installation >35' To 40', Add	11.91	
For Elevated Installation >40', Add	13.10	
26 05 33 13-0542 EA 1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	46.74	14.29
For Work In Restricted Working Space, Add	8.57	
For Elevated Installation >10' To 15', Add	2.86	
For Elevated Installation >15' To 20', Add	5.72	
For Elevated Installation >20' To 25', Add	7.15	
For Elevated Installation >25' To 30', Add	10.00	
For Elevated Installation >30' To 35', Add	11.43	
For Elevated Installation >35' To 40', Add	14.29	
For Elevated Installation >40', Add	15.72	
26 05 33 13-0543 EA 1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	63.27	19.06
For Work In Restricted Working Space, Add	11.43	
For Elevated Installation >10' To 15', Add	3.81	
For Elevated Installation >15' To 20', Add	7.62	
For Elevated Installation >20' To 25', Add	9.53	
For Elevated Installation >25' To 30', Add	13.34	
For Elevated Installation >30' To 35', Add	15.24	
For Elevated Installation >35' To 40', Add	19.06	
For Elevated Installation >40', Add	20.96	
26 05 33 13-0544 EA 2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	95.91	23.82
For Work In Restricted Working Space, Add	14.29	
For Elevated Installation >10' To 15', Add	4.76	
For Elevated Installation >15' To 20', Add	9.53	
For Elevated Installation >20' To 25', Add	11.91	
For Elevated Installation >25' To 30', Add	16.67	
For Elevated Installation >30' To 35', Add	19.06	
For Elevated Installation >35' To 40', Add	23.82	
For Elevated Installation >40', Add	26.20	
26 05 33 13-0545 EA 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	168.52	28.58
For Work In Restricted Working Space, Add	17.15	
For Elevated Installation >10' To 15', Add	5.72	
For Elevated Installation >15' To 20', Add	11.44	
For Elevated Installation >20' To 25', Add	14.30	
For Elevated Installation >25' To 30', Add	20.01	
For Elevated Installation >30' To 35', Add	22.87	
For Elevated Installation >35' To 40', Add	28.59	
For Elevated Installation >40', Add	31.45	
26 05 33 13-0546 EA 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	214.33	33.35
For Work In Restricted Working Space, Add	20.01	
For Elevated Installation >10' To 15', Add	6.67	
For Elevated Installation >15' To 20', Add	13.34	
For Elevated Installation >20' To 25', Add	16.68	
For Elevated Installation >25' To 30', Add	23.35	
For Elevated Installation >30' To 35', Add	26.68	
For Elevated Installation >35' To 40', Add	33.36	
For Elevated Installation >40', Add	36.69	
26 05 33 13-0547 EA 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	273.90	40.50
For Work In Restricted Working Space, Add	24.30	
For Elevated Installation >10' To 15', Add	8.10	
For Elevated Installation >15' To 20', Add	16.20	
For Elevated Installation >20' To 25', Add	20.25	
For Elevated Installation >25' To 30', Add	28.35	
For Elevated Installation >30' To 35', Add	32.40	
For Elevated Installation >35' To 40', Add	40.50	
For Elevated Installation >40', Add	44.55	
26 05 33 13-0548 EA 4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	331.45	47.64
For Work In Restricted Working Space, Add	28.59	
For Elevated Installation >10' To 15', Add	9.53	
For Elevated Installation >15' To 20', Add	19.06	
For Elevated Installation >20' To 25', Add	23.82	
For Elevated Installation >25' To 30', Add	33.35	
For Elevated Installation >30' To 35', Add	38.12	
For Elevated Installation >35' To 40', Add	47.65	
For Elevated Installation >40', Add	52.41	

26 05 33 13-0549 Rigid Galvanized Steel (RGS) Compression Coupling (26 05 33 13-0059)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0550 EA 1/2" Rigid Galvanized Steel (RGS) Compression Coupling .....	30.01	11.92
For Work In Restricted Working Space, Add	7.15	
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.76	
For Elevated Installation >20' To 25', Add	5.96	
For Elevated Installation >25' To 30', Add	8.34	
For Elevated Installation >30' To 35', Add	9.53	
For Elevated Installation >35' To 40', Add	11.91	
For Elevated Installation >40', Add	13.10	
26 05 33 13-0551 EA 3/4" Rigid Galvanized Steel (RGS) Compression Coupling .....	38.51	14.29
For Work In Restricted Working Space, Add	8.57	
For Elevated Installation >10' To 15', Add	2.86	
For Elevated Installation >15' To 20', Add	5.72	
For Elevated Installation >20' To 25', Add	7.15	
For Elevated Installation >25' To 30', Add	10.00	
For Elevated Installation >30' To 35', Add	11.43	
For Elevated Installation >35' To 40', Add	14.29	
For Elevated Installation >40', Add	15.72	
26 05 33 13-0552 EA 1" Rigid Galvanized Steel (RGS) Compression Coupling .....	55.43	19.06
For Work In Restricted Working Space, Add	11.43	
For Elevated Installation >10' To 15', Add	3.81	
For Elevated Installation >15' To 20', Add	7.62	
For Elevated Installation >20' To 25', Add	9.53	
For Elevated Installation >25' To 30', Add	13.34	
For Elevated Installation >30' To 35', Add	15.24	
For Elevated Installation >35' To 40', Add	19.06	
For Elevated Installation >40', Add	20.96	
26 05 33 13-0553 EA 1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling .....	73.28	23.82
For Work In Restricted Working Space, Add	14.29	
For Elevated Installation >10' To 15', Add	4.76	
For Elevated Installation >15' To 20', Add	9.53	
For Elevated Installation >20' To 25', Add	11.91	
For Elevated Installation >25' To 30', Add	16.67	
For Elevated Installation >30' To 35', Add	19.06	
For Elevated Installation >35' To 40', Add	23.82	
For Elevated Installation >40', Add	26.20	
26 05 33 13-0554 EA 1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling .....	90.56	28.58
For Work In Restricted Working Space, Add	17.15	
For Elevated Installation >10' To 15', Add	5.72	
For Elevated Installation >15' To 20', Add	11.44	
For Elevated Installation >20' To 25', Add	14.30	
For Elevated Installation >25' To 30', Add	20.01	
For Elevated Installation >30' To 35', Add	22.87	
For Elevated Installation >35' To 40', Add	28.59	
For Elevated Installation >40', Add	31.45	
26 05 33 13-0555 EA 2" Rigid Galvanized Steel (RGS) Compression Coupling .....	139.70	33.35
For Work In Restricted Working Space, Add	20.01	
For Elevated Installation >10' To 15', Add	6.67	
For Elevated Installation >15' To 20', Add	13.34	
For Elevated Installation >20' To 25', Add	16.68	
For Elevated Installation >25' To 30', Add	23.35	
For Elevated Installation >30' To 35', Add	26.68	
For Elevated Installation >35' To 40', Add	33.36	
For Elevated Installation >40', Add	36.69	
26 05 33 13-0556 EA 2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling .....	229.99	38.11
For Work In Restricted Working Space, Add	22.87	
For Elevated Installation >10' To 15', Add	7.62	
For Elevated Installation >15' To 20', Add	15.25	
For Elevated Installation >20' To 25', Add	19.06	
For Elevated Installation >25' To 30', Add	26.68	
For Elevated Installation >30' To 35', Add	30.49	
For Elevated Installation >35' To 40', Add	38.12	
For Elevated Installation >40', Add	41.93	
26 05 33 13-0557 EA 3" Rigid Galvanized Steel (RGS) Compression Coupling .....	269.46	32.88
For Work In Restricted Working Space, Add	19.73	
For Elevated Installation >10' To 15', Add	6.58	
For Elevated Installation >15' To 20', Add	13.15	
For Elevated Installation >20' To 25', Add	16.44	
For Elevated Installation >25' To 30', Add	23.01	
For Elevated Installation >30' To 35', Add	26.30	
For Elevated Installation >35' To 40', Add	32.88	
For Elevated Installation >40', Add	36.16	
26 05 33 13-0558 EA 3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling .....	368.22	50.03
For Work In Restricted Working Space, Add	30.02	
For Elevated Installation >10' To 15', Add	10.01	
For Elevated Installation >15' To 20', Add	20.01	
For Elevated Installation >20' To 25', Add	25.02	
For Elevated Installation >25' To 30', Add	35.02	
For Elevated Installation >30' To 35', Add	40.02	
For Elevated Installation >35' To 40', Add	50.03	
For Elevated Installation >40', Add	55.03	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0559	EA	4" Rigid Galvanized Steel (RGS) Compression Coupling .....	457.48	57.18
			<i>For Work In Restricted Working Space, Add</i>	34.31	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.44	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.87	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.59	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	40.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.74	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	57.18	
			<i>For Elevated Installation &gt;40', Add</i>	62.89	
26 05 33	13-0560		<b>Zinc Plated Steel Snap-in Knock Out Seal</b> <small>(26 05 33 13-0059)</small> .....	4.98	2.39
26 05 33	13-0561	EA	1/2" Zinc Plated Steel Snap-in Knock Out Seal .....		
			<i>For Work In Restricted Working Space, Add</i>	1.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	1.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.38	
			<i>For Elevated Installation &gt;40', Add</i>	2.62	
26 05 33	13-0562	EA	3/4" Zinc Plated Steel Snap-in Knock Out Seal .....	6.01	2.86
			<i>For Work In Restricted Working Space, Add</i>	1.72	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.57	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.14	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.43	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.29	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.86	
			<i>For Elevated Installation &gt;40', Add</i>	3.15	
26 05 33	13-0563	EA	1" Zinc Plated Steel Snap-in Knock Out Seal .....	7.13	3.34
			<i>For Work In Restricted Working Space, Add</i>	2.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.67	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.67	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.67	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.34	
			<i>For Elevated Installation &gt;40', Add</i>	3.67	
26 05 33	13-0564	EA	1-1/4" Zinc Plated Steel Snap-in Knock Out Seal .....	9.19	4.29
			<i>For Work In Restricted Working Space, Add</i>	2.57	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.15	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.29	
			<i>For Elevated Installation &gt;40', Add</i>	4.72	
26 05 33	13-0565	EA	1-1/2" Zinc Plated Steel Snap-in Knock Out Seal .....	10.38	4.76
			<i>For Work In Restricted Working Space, Add</i>	2.86	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.91	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.38	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.81	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.77	
			<i>For Elevated Installation &gt;40', Add</i>	5.24	
26 05 33	13-0566	EA	2" Zinc Plated Steel Snap-in Knock Out Seal .....	12.62	5.72
			<i>For Work In Restricted Working Space, Add</i>	3.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.14	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.29	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.57	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.72	
			<i>For Elevated Installation &gt;40', Add</i>	6.29	
26 05 33	13-0567		<b>Zinc Plated Steel 3-Piece Knock Out Seal</b> <small>(26 05 33 13-0059)</small> .....	6.09	2.39
26 05 33	13-0568	EA	1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....		
			<i>For Work In Restricted Working Space, Add</i>	1.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	1.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.38	
			<i>For Elevated Installation &gt;40', Add</i>	2.62	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0569 EA 3/4" Zinc Plated Steel 3-Piece Knock Out Seal .....	7.27	2.86
For Work In Restricted Working Space, Add	1.72	
For Elevated Installation >10' To 15', Add	0.57	
For Elevated Installation >15' To 20', Add	1.14	
For Elevated Installation >20' To 25', Add	1.43	
For Elevated Installation >25' To 30', Add	2.00	
For Elevated Installation >30' To 35', Add	2.29	
For Elevated Installation >35' To 40', Add	2.86	
For Elevated Installation >40', Add	3.15	
26 05 33 13-0570 EA 1" Zinc Plated Steel 3-Piece Knock Out Seal .....	8.81	3.34
For Work In Restricted Working Space, Add	2.00	
For Elevated Installation >10' To 15', Add	0.67	
For Elevated Installation >15' To 20', Add	1.33	
For Elevated Installation >20' To 25', Add	1.67	
For Elevated Installation >25' To 30', Add	2.33	
For Elevated Installation >30' To 35', Add	2.67	
For Elevated Installation >35' To 40', Add	3.34	
For Elevated Installation >40', Add	3.67	
26 05 33 13-0571 EA 1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal .....	11.33	4.29
For Work In Restricted Working Space, Add	2.57	
For Elevated Installation >10' To 15', Add	0.86	
For Elevated Installation >15' To 20', Add	1.72	
For Elevated Installation >20' To 25', Add	2.15	
For Elevated Installation >25' To 30', Add	3.00	
For Elevated Installation >30' To 35', Add	3.43	
For Elevated Installation >35' To 40', Add	4.29	
For Elevated Installation >40', Add	4.72	
26 05 33 13-0572 EA 1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....	13.93	4.76
For Work In Restricted Working Space, Add	2.86	
For Elevated Installation >10' To 15', Add	0.95	
For Elevated Installation >15' To 20', Add	1.91	
For Elevated Installation >20' To 25', Add	2.38	
For Elevated Installation >25' To 30', Add	3.34	
For Elevated Installation >30' To 35', Add	3.81	
For Elevated Installation >35' To 40', Add	4.77	
For Elevated Installation >40', Add	5.24	
26 05 33 13-0573 EA 2" Zinc Plated Steel 3-Piece Knock Out Seal .....	16.84	5.72
For Work In Restricted Working Space, Add	3.43	
For Elevated Installation >10' To 15', Add	1.14	
For Elevated Installation >15' To 20', Add	2.29	
For Elevated Installation >20' To 25', Add	2.86	
For Elevated Installation >25' To 30', Add	4.00	
For Elevated Installation >30' To 35', Add	4.57	
For Elevated Installation >35' To 40', Add	5.72	
For Elevated Installation >40', Add	6.29	
26 05 33 13-0574 EA 2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....	20.66	7.15
For Work In Restricted Working Space, Add	4.29	
For Elevated Installation >10' To 15', Add	1.43	
For Elevated Installation >15' To 20', Add	2.86	
For Elevated Installation >20' To 25', Add	3.57	
For Elevated Installation >25' To 30', Add	5.00	
For Elevated Installation >30' To 35', Add	5.72	
For Elevated Installation >35' To 40', Add	7.15	
For Elevated Installation >40', Add	7.86	
26 05 33 13-0575 EA 3" Zinc Plated Steel 3-Piece Knock Out Seal .....	24.15	8.10
For Work In Restricted Working Space, Add	4.86	
For Elevated Installation >10' To 15', Add	1.62	
For Elevated Installation >15' To 20', Add	3.24	
For Elevated Installation >20' To 25', Add	4.05	
For Elevated Installation >25' To 30', Add	5.67	
For Elevated Installation >30' To 35', Add	6.48	
For Elevated Installation >35' To 40', Add	8.10	
For Elevated Installation >40', Add	8.91	
26 05 33 13-0576 EA 3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....	29.30	9.06
For Work In Restricted Working Space, Add	5.43	
For Elevated Installation >10' To 15', Add	1.81	
For Elevated Installation >15' To 20', Add	3.62	
For Elevated Installation >20' To 25', Add	4.53	
For Elevated Installation >25' To 30', Add	6.34	
For Elevated Installation >30' To 35', Add	7.24	
For Elevated Installation >35' To 40', Add	9.05	
For Elevated Installation >40', Add	9.96	
26 05 33 13-0577 EA 4" Zinc Plated Steel 3-Piece Knock Out Seal .....	34.38	10.01
For Work In Restricted Working Space, Add	6.00	
For Elevated Installation >10' To 15', Add	2.00	
For Elevated Installation >15' To 20', Add	4.00	
For Elevated Installation >20' To 25', Add	5.00	
For Elevated Installation >25' To 30', Add	7.00	
For Elevated Installation >30' To 35', Add	8.00	
For Elevated Installation >35' To 40', Add	10.01	
For Elevated Installation >40', Add	11.01	

26 05 33 13-0578 Rigid Galvanized Steel (RGS) Chase Nipples (26 05 33 13-0059)

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0579	EA	1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	11.77	5.72
			<i>For Work In Restricted Working Space, Add</i>	3.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.14	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.29	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.57	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.72	
			<i>For Elevated Installation &gt;40', Add</i>	6.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.43	
26 05 33	13-0580	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	13.91	6.67
			<i>For Work In Restricted Working Space, Add</i>	4.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.34	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.67	
			<i>For Elevated Installation &gt;40', Add</i>	7.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.00	
26 05 33	13-0581	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple.....	17.45	8.10
			<i>For Work In Restricted Working Space, Add</i>	4.86	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.24	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.05	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.10	
			<i>For Elevated Installation &gt;40', Add</i>	8.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.86	
26 05 33	13-0582	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	21.22	9.53
			<i>For Work In Restricted Working Space, Add</i>	5.72	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.91	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.81	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.77	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.62	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.53	
			<i>For Elevated Installation &gt;40', Add</i>	10.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.72	
26 05 33	13-0583	EA	1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	26.60	11.92
			<i>For Work In Restricted Working Space, Add</i>	7.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.38	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.76	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.96	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.91	
			<i>For Elevated Installation &gt;40', Add</i>	13.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.15	
26 05 33	13-0584	EA	2" Rigid Galvanized Steel (RGS) Chase Nipple.....	33.09	14.29
			<i>For Work In Restricted Working Space, Add</i>	8.57	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
			<i>For Elevated Installation &gt;40', Add</i>	15.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.57	
26 05 33	13-0585	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	41.93	16.68
			<i>For Work In Restricted Working Space, Add</i>	10.01	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.34	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.34	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.68	
			<i>For Elevated Installation &gt;40', Add</i>	18.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01	
26 05 33	13-0586	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple.....	46.91	19.06
			<i>For Work In Restricted Working Space, Add</i>	11.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.81	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.62	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.53	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.24	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.06	
			<i>For Elevated Installation &gt;40', Add</i>	20.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0587 EA 3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	58.44	21.44
<i>For Work In Restricted Working Space, Add</i>	12.86	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.29	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.58	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.72	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.01	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.15	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.44	
<i>For Elevated Installation &gt;40', Add</i>	23.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.86	
26 05 33 13-0588 EA 4" Rigid Galvanized Steel (RGS) Chase Nipple.....	80.24	23.82
<i>For Work In Restricted Working Space, Add</i>	14.29	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.76	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.53	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.91	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.67	
<i>For Elevated Installation &gt;30' To 35', Add</i>	19.06	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.82	
<i>For Elevated Installation &gt;40', Add</i>	26.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.29	
<b>26 05 33 13-0589 Rigid Galvanized Steel (RGS) Pulling Elbow</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0590 EA 1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	23.06	8.58
<i>For Work In Restricted Working Space, Add</i>	5.15	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.43	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.29	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.86	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.58	
<i>For Elevated Installation &gt;40', Add</i>	9.43	
26 05 33 13-0591 EA 3/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	26.80	10.01
<i>For Work In Restricted Working Space, Add</i>	6.00	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.00	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.00	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.00	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.00	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.01	
<i>For Elevated Installation &gt;40', Add</i>	11.01	
26 05 33 13-0592 EA 1" Rigid Galvanized Steel (RGS) Pulling Elbow.....	34.14	11.43
<i>For Work In Restricted Working Space, Add</i>	6.86	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.29	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.57	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.72	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.15	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.44	
<i>For Elevated Installation &gt;40', Add</i>	12.58	
26 05 33 13-0593 EA 1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	43.76	14.29
<i>For Work In Restricted Working Space, Add</i>	8.57	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
<i>For Elevated Installation &gt;40', Add</i>	15.72	
26 05 33 13-0594 EA 1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	58.39	17.15
<i>For Work In Restricted Working Space, Add</i>	10.29	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.43	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.86	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.58	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.01	
<i>For Elevated Installation &gt;30' To 35', Add</i>	13.72	
<i>For Elevated Installation &gt;35' To 40', Add</i>	17.15	
<i>For Elevated Installation &gt;40', Add</i>	18.87	
26 05 33 13-0595 EA 2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	78.15	20.01
<i>For Work In Restricted Working Space, Add</i>	12.01	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.00	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.00	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.01	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.01	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.01	
<i>For Elevated Installation &gt;35' To 40', Add</i>	20.01	
<i>For Elevated Installation &gt;40', Add</i>	22.01	
26 05 33 13-0596 EA 2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	108.69	22.87
<i>For Work In Restricted Working Space, Add</i>	13.72	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.57	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.15	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.44	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.01	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	22.87	
<i>For Elevated Installation &gt;40', Add</i>	25.16	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0597	EA		3" Rigid Galvanized Steel (RGS) Pulling Elbow.....	190.54	28.58
			<i>For Work In Restricted Working Space, Add</i>	17.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.30	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.87	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.59	
			<i>For Elevated Installation &gt;40', Add</i>	31.45	
26 05 33 13-0598			<b>Electrical Metallic Tubing (EMT) Thinwall Conduit</b> <small>(26 05 33 13-0058)</small>		
			Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0599			<b>Electrical Metallic Tubing (EMT) Thinwall Conduit</b> <small>(26 05 33 13-0598)</small>		
			Note: Includes field bending conduit up to and including 1".		
26 05 33 13-0600	LF		1/2" Electrical Metallic Tubing (EMT) Conduit.....	5.17	1.72
			<i>For Work In Restricted Working Space, Add</i>	1.29	
			<i>For &gt;1,000, Deduct</i>	-0.41	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.07	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.64	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.28	
			<i>For Installation In Metal Stud Wall, Add</i>	0.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.43	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.07	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.50	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	1.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.15	
			<i>For Elevated Installation &gt;40', Add</i>	2.36	
			<i>For &gt;250 To 500, Deduct</i>	-0.04	
			<i>For Factory Applied Color Coating, Add</i>	0.26	
26 05 33 13-0601	LF		3/4" Electrical Metallic Tubing (EMT) Conduit.....	6.13	1.91
			<i>For Work In Restricted Working Space, Add</i>	1.43	
			<i>For &gt;1,000, Deduct</i>	-0.49	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.19	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.71	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.34	
			<i>For Installation In Metal Stud Wall, Add</i>	0.48	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	1.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.38	
			<i>For Elevated Installation &gt;40', Add</i>	2.62	
			<i>For &gt;250 To 500, Deduct</i>	-0.07	
			<i>For Factory Applied Color Coating, Add</i>	0.41	
26 05 33 13-0602	LF		1" Electrical Metallic Tubing (EMT) Conduit.....	7.53	2.10
			<i>For Work In Restricted Working Space, Add</i>	1.58	
			<i>For &gt;1,000, Deduct</i>	-0.62	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.31	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.79	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.43	
			<i>For Installation In Metal Stud Wall, Add</i>	0.53	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.05	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.31	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.10	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.63	
			<i>For Elevated Installation &gt;40', Add</i>	2.89	
			<i>For &gt;250 To 500, Deduct</i>	-0.11	
			<i>For Factory Applied Color Coating, Add</i>	0.68	
26 05 33 13-0603	LF		1-1/4" Electrical Metallic Tubing (EMT) Conduit.....	9.51	2.37
			<i>For Work In Restricted Working Space, Add</i>	1.77	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.48	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.89	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.57	
			<i>For Installation In Metal Stud Wall, Add</i>	0.59	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.59	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.18	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.07	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.36	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.96	
			<i>For Elevated Installation &gt;40', Add</i>	3.25	
			<i>For &gt;250 To 500, Deduct</i>	-0.18	
			<i>For Factory Applied Color Coating, Add</i>	1.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0604    LF    1-1/2" Electrical Metallic Tubing (EMT) Conduit .....	11.15	2.67
For Work In Restricted Working Space, Add	2.00	
For >1,000, Deduct	-0.95	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.67	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.00	
For >500 To 1,000, Deduct	-0.67	
For Installation In Metal Stud Wall, Add	0.67	
For Elevated Installation >10' To 15', Add	0.67	
For Elevated Installation >15' To 20', Add	1.33	
For Elevated Installation >20' To 25', Add	1.67	
For Elevated Installation >25' To 30', Add	2.33	
For Elevated Installation >30' To 35', Add	2.67	
For Elevated Installation >35' To 40', Add	3.34	
For Elevated Installation >40', Add	3.67	
For >250 To 500, Deduct	-0.22	
For Factory Applied Color Coating, Add	1.34	
26 05 33 13-0605    LF    2" Electrical Metallic Tubing (EMT) Conduit.....	12.94	3.05
For Work In Restricted Working Space, Add	2.29	
For >1,000, Deduct	-1.10	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.91	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.14	
For >500 To 1,000, Deduct	-0.78	
For Installation In Metal Stud Wall, Add	0.76	
For Elevated Installation >10' To 15', Add	0.76	
For Elevated Installation >15' To 20', Add	1.52	
For Elevated Installation >20' To 25', Add	1.91	
For Elevated Installation >25' To 30', Add	2.67	
For Elevated Installation >30' To 35', Add	3.05	
For Elevated Installation >35' To 40', Add	3.81	
For Elevated Installation >40', Add	4.19	
For >250 To 500, Deduct	-0.27	
For Factory Applied Color Coating, Add	1.60	
26 05 33 13-0606    LF    2-1/2" Electrical Metallic Tubing (EMT) Conduit .....	16.94	3.62
For Work In Restricted Working Space, Add	2.72	
For >1,000, Deduct	-1.47	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.27	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.36	
For >500 To 1,000, Deduct	-1.04	
For Installation In Metal Stud Wall, Add	0.91	
For Elevated Installation >10' To 15', Add	0.91	
For Elevated Installation >15' To 20', Add	1.81	
For Elevated Installation >20' To 25', Add	2.27	
For Elevated Installation >25' To 30', Add	3.17	
For Elevated Installation >30' To 35', Add	3.62	
For Elevated Installation >35' To 40', Add	4.53	
For Elevated Installation >40', Add	4.98	
For >250 To 500, Deduct	-0.39	
For Factory Applied Color Coating, Add	2.36	
26 05 33 13-0607    LF    3" Electrical Metallic Tubing (EMT) Conduit.....	20.34	4.19
For Work In Restricted Working Space, Add	3.14	
For >1,000, Deduct	-1.77	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.62	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.57	
For >500 To 1,000, Deduct	-1.26	
For Installation In Metal Stud Wall, Add	1.05	
For Elevated Installation >10' To 15', Add	1.05	
For Elevated Installation >15' To 20', Add	2.10	
For Elevated Installation >20' To 25', Add	2.62	
For Elevated Installation >25' To 30', Add	3.67	
For Elevated Installation >30' To 35', Add	4.19	
For Elevated Installation >35' To 40', Add	5.24	
For Elevated Installation >40', Add	5.76	
For >250 To 500, Deduct	-0.49	
For Factory Applied Color Coating, Add	2.96	
26 05 33 13-0608    LF    3-1/2" Electrical Metallic Tubing (EMT) Conduit .....	25.57	4.95
For Work In Restricted Working Space, Add	3.72	
For >1,000, Deduct	-2.25	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.10	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.86	
For >500 To 1,000, Deduct	-1.61	
For Installation In Metal Stud Wall, Add	1.24	
For Elevated Installation >10' To 15', Add	1.24	
For Elevated Installation >15' To 20', Add	2.48	
For Elevated Installation >20' To 25', Add	3.10	
For Elevated Installation >25' To 30', Add	4.34	
For Elevated Installation >30' To 35', Add	4.96	
For Elevated Installation >35' To 40', Add	6.20	
For Elevated Installation >40', Add	6.81	
For >250 To 500, Deduct	-0.66	
For Factory Applied Color Coating, Add	3.95	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0609 LF 4" Electrical Metallic Tubing (EMT) Conduit.....	34.54	7.88
For Work In Restricted Working Space, Add	5.91	
For >1,000, Deduct	-2.96	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.92	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.95	
For >500 To 1,000, Deduct	-2.10	
For Installation In Metal Stud Wall, Add	1.97	
For Elevated Installation >10' To 15', Add	1.97	
For Elevated Installation >15' To 20', Add	3.94	
For Elevated Installation >20' To 25', Add	4.92	
For Elevated Installation >25' To 30', Add	6.89	
For Elevated Installation >30' To 35', Add	7.88	
For Elevated Installation >35' To 40', Add	9.85	
For Elevated Installation >40', Add	10.83	
For >250 To 500, Deduct	-0.74	
For Factory Applied Color Coating, Add	4.46	
<b>26 05 33 13-0610 Electrical Metallic Tubing (EMT) 90 Degree Elbows (26 05 33 13-0598)</b>		
See CSI section 26 05 33 13-2248 for conduit field bending.		
<b>26 05 33 13-0611 Electrical Metallic Tubing (EMT) Set Screw Couplings (26 05 33 13-0598)</b>		
26 05 33 13-0612 EA 1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	5.00	2.29
For Work In Restricted Working Space, Add	1.43	
For Elevated Installation >10' To 15', Add	0.48	
For Elevated Installation >15' To 20', Add	0.95	
For Elevated Installation >20' To 25', Add	1.19	
For Elevated Installation >25' To 30', Add	1.67	
For Elevated Installation >30' To 35', Add	1.90	
For Elevated Installation >35' To 40', Add	2.38	
For Elevated Installation >40', Add	2.62	
26 05 33 13-0613 EA 3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	6.08	2.29
For Work In Restricted Working Space, Add	1.72	
For Elevated Installation >10' To 15', Add	0.57	
For Elevated Installation >15' To 20', Add	1.14	
For Elevated Installation >20' To 25', Add	1.43	
For Elevated Installation >25' To 30', Add	2.00	
For Elevated Installation >30' To 35', Add	2.29	
For Elevated Installation >35' To 40', Add	2.86	
For Elevated Installation >40', Add	3.15	
26 05 33 13-0614 EA 1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	7.22	2.67
For Work In Restricted Working Space, Add	2.00	
For Elevated Installation >10' To 15', Add	0.67	
For Elevated Installation >15' To 20', Add	1.33	
For Elevated Installation >20' To 25', Add	1.67	
For Elevated Installation >25' To 30', Add	2.33	
For Elevated Installation >30' To 35', Add	2.67	
For Elevated Installation >35' To 40', Add	3.34	
For Elevated Installation >40', Add	3.67	
26 05 33 13-0615 EA 1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	9.78	3.43
For Work In Restricted Working Space, Add	2.57	
For Elevated Installation >10' To 15', Add	0.86	
For Elevated Installation >15' To 20', Add	1.72	
For Elevated Installation >20' To 25', Add	2.15	
For Elevated Installation >25' To 30', Add	3.00	
For Elevated Installation >30' To 35', Add	3.43	
For Elevated Installation >35' To 40', Add	4.29	
For Elevated Installation >40', Add	4.72	
26 05 33 13-0616 EA 1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	12.06	4.19
For Work In Restricted Working Space, Add	3.14	
For Elevated Installation >10' To 15', Add	1.05	
For Elevated Installation >15' To 20', Add	2.10	
For Elevated Installation >20' To 25', Add	2.62	
For Elevated Installation >25' To 30', Add	3.67	
For Elevated Installation >30' To 35', Add	4.19	
For Elevated Installation >35' To 40', Add	5.24	
For Elevated Installation >40', Add	5.76	
26 05 33 13-0617 EA 2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	16.40	5.72
For Work In Restricted Working Space, Add	4.29	
For Elevated Installation >10' To 15', Add	1.43	
For Elevated Installation >15' To 20', Add	2.86	
For Elevated Installation >20' To 25', Add	3.57	
For Elevated Installation >25' To 30', Add	5.00	
For Elevated Installation >30' To 35', Add	5.72	
For Elevated Installation >35' To 40', Add	7.15	
For Elevated Installation >40', Add	7.86	
26 05 33 13-0618 EA 2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	22.75	7.62
For Work In Restricted Working Space, Add	5.72	
For Elevated Installation >10' To 15', Add	1.91	
For Elevated Installation >15' To 20', Add	3.81	
For Elevated Installation >20' To 25', Add	4.77	
For Elevated Installation >25' To 30', Add	6.67	
For Elevated Installation >30' To 35', Add	7.62	
For Elevated Installation >35' To 40', Add	9.53	
For Elevated Installation >40', Add	10.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0619 EA 3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	29.55	8.77
<i>For Work In Restricted Working Space, Add</i>	7.15	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.38	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.76	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.96	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.53	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.91	
<i>For Elevated Installation &gt;40', Add</i>	13.10	
26 05 33 13-0620 EA 3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	33.12	9.53
<i>For Work In Restricted Working Space, Add</i>	8.57	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
<i>For Elevated Installation &gt;40', Add</i>	15.72	
26 05 33 13-0621 EA 4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	100.50	28.55
<i>For Work In Restricted Working Space, Add</i>	27.72	
<i>For Elevated Installation &gt;10' To 15', Add</i>	9.24	
<i>For Elevated Installation &gt;15' To 20', Add</i>	18.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	23.10	
<i>For Elevated Installation &gt;25' To 30', Add</i>	32.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	36.96	
<i>For Elevated Installation &gt;35' To 40', Add</i>	46.21	
<i>For Elevated Installation &gt;40', Add</i>	50.83	
<b>26 05 33 13-0622 Electrical Metallic Tubing (EMT) Compression Couplings</b> <small>(26 05 33 13-0598)</small>		
26 05 33 13-0623 EA 1/2 Electrical Metallic Tubing (EMT) Compression Coupling.....	6.33	2.29
<i>For Work In Restricted Working Space, Add</i>	1.72	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.57	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.14	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.43	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.29	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.86	
<i>For Elevated Installation &gt;40', Add</i>	3.15	
26 05 33 13-0624 EA 3/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	7.34	2.67
<i>For Work In Restricted Working Space, Add</i>	2.00	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.67	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.33	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.67	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.33	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.67	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.34	
<i>For Elevated Installation &gt;40', Add</i>	3.67	
26 05 33 13-0625 EA 1" Electrical Metallic Tubing (EMT) Compression Coupling.....	10.46	3.81
<i>For Work In Restricted Working Space, Add</i>	2.86	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.95	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.91	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.38	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.81	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.77	
<i>For Elevated Installation &gt;40', Add</i>	5.24	
26 05 33 13-0626 EA 1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	13.37	4.57
<i>For Work In Restricted Working Space, Add</i>	3.43	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.14	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.29	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.86	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.57	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.72	
<i>For Elevated Installation &gt;40', Add</i>	6.29	
26 05 33 13-0627 EA 1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	16.07	5.34
<i>For Work In Restricted Working Space, Add</i>	4.00	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.33	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.67	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.34	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.67	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.34	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.67	
<i>For Elevated Installation &gt;40', Add</i>	7.34	
26 05 33 13-0628 EA 2" Electrical Metallic Tubing (EMT) Compression Coupling.....	21.44	6.86
<i>For Work In Restricted Working Space, Add</i>	5.15	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.43	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.29	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.86	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.58	
<i>For Elevated Installation &gt;40', Add</i>	9.43	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0629 EA 2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	34.07	9.15
For Work In Restricted Working Space, Add	6.86	
For Elevated Installation >10' To 15', Add	2.29	
For Elevated Installation >15' To 20', Add	4.57	
For Elevated Installation >20' To 25', Add	5.72	
For Elevated Installation >25' To 30', Add	8.00	
For Elevated Installation >30' To 35', Add	9.15	
For Elevated Installation >35' To 40', Add	11.44	
For Elevated Installation >40', Add	12.58	
26 05 33 13-0630 EA 3" Electrical Metallic Tubing (EMT) Compression Coupling.....	39.42	10.67
For Work In Restricted Working Space, Add	8.00	
For Elevated Installation >10' To 15', Add	2.67	
For Elevated Installation >15' To 20', Add	5.34	
For Elevated Installation >20' To 25', Add	6.67	
For Elevated Installation >25' To 30', Add	9.34	
For Elevated Installation >30' To 35', Add	10.67	
For Elevated Installation >35' To 40', Add	13.34	
For Elevated Installation >40', Add	14.67	
26 05 33 13-0631 EA 3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	49.28	13.34
For Work In Restricted Working Space, Add	10.01	
For Elevated Installation >10' To 15', Add	3.34	
For Elevated Installation >15' To 20', Add	6.67	
For Elevated Installation >20' To 25', Add	8.34	
For Elevated Installation >25' To 30', Add	11.67	
For Elevated Installation >30' To 35', Add	13.34	
For Elevated Installation >35' To 40', Add	16.68	
For Elevated Installation >40', Add	18.34	
26 05 33 13-0632 EA 4" Electrical Metallic Tubing (EMT) Compression Coupling.....	63.20	17.15
For Work In Restricted Working Space, Add	12.86	
For Elevated Installation >10' To 15', Add	4.29	
For Elevated Installation >15' To 20', Add	8.58	
For Elevated Installation >20' To 25', Add	10.72	
For Elevated Installation >25' To 30', Add	15.01	
For Elevated Installation >30' To 35', Add	17.15	
For Elevated Installation >35' To 40', Add	21.44	
For Elevated Installation >40', Add	23.58	
<b>26 05 33 13-0633 Electrical Metallic Tubing (EMT) Raintight Compression Couplings (26 05 33 13-0598)</b>		
26 05 33 13-0634 EA 1/2 Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	7.20	2.29
For Work In Restricted Working Space, Add	1.72	
For Elevated Installation >10' To 15', Add	0.57	
For Elevated Installation >15' To 20', Add	1.14	
For Elevated Installation >20' To 25', Add	1.43	
For Elevated Installation >25' To 30', Add	2.00	
For Elevated Installation >30' To 35', Add	2.29	
For Elevated Installation >35' To 40', Add	2.86	
For Elevated Installation >40', Add	3.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.72	
26 05 33 13-0635 EA 3/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	8.29	2.67
For Work In Restricted Working Space, Add	2.00	
For Elevated Installation >10' To 15', Add	0.67	
For Elevated Installation >15' To 20', Add	1.33	
For Elevated Installation >20' To 25', Add	1.67	
For Elevated Installation >25' To 30', Add	2.33	
For Elevated Installation >30' To 35', Add	2.67	
For Elevated Installation >35' To 40', Add	3.34	
For Elevated Installation >40', Add	3.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.00	
26 05 33 13-0636 EA 1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	12.27	3.81
For Work In Restricted Working Space, Add	2.86	
For Elevated Installation >10' To 15', Add	0.95	
For Elevated Installation >15' To 20', Add	1.91	
For Elevated Installation >20' To 25', Add	2.38	
For Elevated Installation >25' To 30', Add	3.34	
For Elevated Installation >30' To 35', Add	3.81	
For Elevated Installation >35' To 40', Add	4.77	
For Elevated Installation >40', Add	5.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.86	
26 05 33 13-0637 EA 1-1/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	15.57	4.57
For Work In Restricted Working Space, Add	3.43	
For Elevated Installation >10' To 15', Add	1.14	
For Elevated Installation >15' To 20', Add	2.29	
For Elevated Installation >20' To 25', Add	2.86	
For Elevated Installation >25' To 30', Add	4.00	
For Elevated Installation >30' To 35', Add	4.57	
For Elevated Installation >35' To 40', Add	5.72	
For Elevated Installation >40', Add	6.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.43	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0638 EA 1-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	19.98	5.34
For Work In Restricted Working Space, Add	4.00	
For Elevated Installation >10' To 15', Add	1.33	
For Elevated Installation >15' To 20', Add	2.67	
For Elevated Installation >20' To 25', Add	3.34	
For Elevated Installation >25' To 30', Add	4.67	
For Elevated Installation >30' To 35', Add	5.34	
For Elevated Installation >35' To 40', Add	6.67	
For Elevated Installation >40', Add	7.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.00	
26 05 33 13-0639 EA 2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	24.36	6.48
For Work In Restricted Working Space, Add	4.86	
For Elevated Installation >10' To 15', Add	1.62	
For Elevated Installation >15' To 20', Add	3.24	
For Elevated Installation >20' To 25', Add	4.05	
For Elevated Installation >25' To 30', Add	5.67	
For Elevated Installation >30' To 35', Add	6.48	
For Elevated Installation >35' To 40', Add	8.10	
For Elevated Installation >40', Add	8.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.86	
26 05 33 13-0640 EA 2-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	32.76	8.77
For Work In Restricted Working Space, Add	6.57	
For Elevated Installation >10' To 15', Add	2.19	
For Elevated Installation >15' To 20', Add	4.38	
For Elevated Installation >20' To 25', Add	5.48	
For Elevated Installation >25' To 30', Add	7.67	
For Elevated Installation >30' To 35', Add	8.76	
For Elevated Installation >35' To 40', Add	10.96	
For Elevated Installation >40', Add	12.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.57	
26 05 33 13-0641 EA 3" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	41.42	10.67
For Work In Restricted Working Space, Add	8.00	
For Elevated Installation >10' To 15', Add	2.67	
For Elevated Installation >15' To 20', Add	5.34	
For Elevated Installation >20' To 25', Add	6.67	
For Elevated Installation >25' To 30', Add	9.34	
For Elevated Installation >30' To 35', Add	10.67	
For Elevated Installation >35' To 40', Add	13.34	
For Elevated Installation >40', Add	14.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.00	
26 05 33 13-0642 EA 3-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	54.68	13.34
For Work In Restricted Working Space, Add	10.01	
For Elevated Installation >10' To 15', Add	3.34	
For Elevated Installation >15' To 20', Add	6.67	
For Elevated Installation >20' To 25', Add	8.34	
For Elevated Installation >25' To 30', Add	11.67	
For Elevated Installation >30' To 35', Add	13.34	
For Elevated Installation >35' To 40', Add	16.68	
For Elevated Installation >40', Add	18.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.01	
26 05 33 13-0643 EA 4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	66.72	17.15
For Work In Restricted Working Space, Add	12.86	
For Elevated Installation >10' To 15', Add	4.29	
For Elevated Installation >15' To 20', Add	8.58	
For Elevated Installation >20' To 25', Add	10.72	
For Elevated Installation >25' To 30', Add	15.01	
For Elevated Installation >30' To 35', Add	17.15	
For Elevated Installation >35' To 40', Add	21.44	
For Elevated Installation >40', Add	23.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
<b>26 05 33 13-0644 Electrical Metallic Tubing (EMT) Insulated Bushing</b> <small>(26 05 33 13-0598)</small>		
26 05 33 13-0645 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	6.47	2.58
For Work In Restricted Working Space, Add	1.92	
For Elevated Installation >10' To 15', Add	0.64	
For Elevated Installation >15' To 20', Add	1.28	
For Elevated Installation >20' To 25', Add	1.60	
For Elevated Installation >25' To 30', Add	2.24	
For Elevated Installation >30' To 35', Add	2.56	
For Elevated Installation >35' To 40', Add	3.20	
For Elevated Installation >40', Add	3.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.92	
26 05 33 13-0646 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	7.09	2.77
For Work In Restricted Working Space, Add	2.09	
For Elevated Installation >10' To 15', Add	0.70	
For Elevated Installation >15' To 20', Add	1.39	
For Elevated Installation >20' To 25', Add	1.74	
For Elevated Installation >25' To 30', Add	2.44	
For Elevated Installation >30' To 35', Add	2.78	
For Elevated Installation >35' To 40', Add	3.48	
For Elevated Installation >40', Add	3.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.09	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0647 EA 1" Electrical Metallic Tubing (EMT) Insulated Bushing.....	8.89	3.43
For Work In Restricted Working Space, Add	2.54	
For Elevated Installation >10' To 15', Add	0.85	
For Elevated Installation >15' To 20', Add	1.70	
For Elevated Installation >20' To 25', Add	2.12	
For Elevated Installation >25' To 30', Add	2.97	
For Elevated Installation >30' To 35', Add	3.39	
For Elevated Installation >35' To 40', Add	4.24	
For Elevated Installation >40', Add	4.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.54	
26 05 33 13-0648 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	11.36	4.38
For Work In Restricted Working Space, Add	3.26	
For Elevated Installation >10' To 15', Add	1.09	
For Elevated Installation >15' To 20', Add	2.17	
For Elevated Installation >20' To 25', Add	2.72	
For Elevated Installation >25' To 30', Add	3.80	
For Elevated Installation >30' To 35', Add	4.34	
For Elevated Installation >35' To 40', Add	5.43	
For Elevated Installation >40', Add	5.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.26	
26 05 33 13-0649 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	13.48	5.05
For Work In Restricted Working Space, Add	3.80	
For Elevated Installation >10' To 15', Add	1.27	
For Elevated Installation >15' To 20', Add	2.54	
For Elevated Installation >20' To 25', Add	3.17	
For Elevated Installation >25' To 30', Add	4.44	
For Elevated Installation >30' To 35', Add	5.07	
For Elevated Installation >35' To 40', Add	6.34	
For Elevated Installation >40', Add	6.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.80	
26 05 33 13-0650 EA 2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	16.57	6.10
For Work In Restricted Working Space, Add	4.57	
For Elevated Installation >10' To 15', Add	1.52	
For Elevated Installation >15' To 20', Add	3.05	
For Elevated Installation >20' To 25', Add	3.81	
For Elevated Installation >25' To 30', Add	5.33	
For Elevated Installation >30' To 35', Add	6.10	
For Elevated Installation >35' To 40', Add	7.62	
For Elevated Installation >40', Add	8.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.57	
26 05 33 13-0651 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	24.03	8.48
For Work In Restricted Working Space, Add	6.35	
For Elevated Installation >10' To 15', Add	2.12	
For Elevated Installation >15' To 20', Add	4.23	
For Elevated Installation >20' To 25', Add	5.29	
For Elevated Installation >25' To 30', Add	7.40	
For Elevated Installation >30' To 35', Add	8.46	
For Elevated Installation >35' To 40', Add	10.58	
For Elevated Installation >40', Add	11.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.35	
26 05 33 13-0652 EA 3" Electrical Metallic Tubing (EMT) Insulated Bushing.....	31.86	11.24
For Work In Restricted Working Space, Add	8.46	
For Elevated Installation >10' To 15', Add	2.82	
For Elevated Installation >15' To 20', Add	5.64	
For Elevated Installation >20' To 25', Add	7.05	
For Elevated Installation >25' To 30', Add	9.87	
For Elevated Installation >30' To 35', Add	11.28	
For Elevated Installation >35' To 40', Add	14.10	
For Elevated Installation >40', Add	15.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.46	
26 05 33 13-0653 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	40.82	14.48
For Work In Restricted Working Space, Add	10.89	
For Elevated Installation >10' To 15', Add	3.63	
For Elevated Installation >15' To 20', Add	7.26	
For Elevated Installation >20' To 25', Add	9.08	
For Elevated Installation >25' To 30', Add	12.71	
For Elevated Installation >30' To 35', Add	14.52	
For Elevated Installation >35' To 40', Add	18.16	
For Elevated Installation >40', Add	19.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.89	
26 05 33 13-0654 EA 4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	52.67	19.06
For Work In Restricted Working Space, Add	14.29	
For Elevated Installation >10' To 15', Add	4.76	
For Elevated Installation >15' To 20', Add	9.53	
For Elevated Installation >20' To 25', Add	11.91	
For Elevated Installation >25' To 30', Add	16.67	
For Elevated Installation >30' To 35', Add	19.06	
For Elevated Installation >35' To 40', Add	23.82	
For Elevated Installation >40', Add	26.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.29	

26 05 33 13-0655 Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw <sup>(26)</sup>

(05 33 13-0598)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0656 EA 1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	4.96	1.91
<i>For Work In Restricted Working Space, Add</i>	1.43	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.48	
<i>For Elevated Installation &gt;15' To 20', Add</i>	0.95	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.19	
<i>For Elevated Installation &gt;25' To 30', Add</i>	1.67	
<i>For Elevated Installation &gt;30' To 35', Add</i>	1.90	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.38	
<i>For Elevated Installation &gt;40', Add</i>	2.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.43	
26 05 33 13-0657 EA 3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	6.03	2.29
<i>For Work In Restricted Working Space, Add</i>	1.72	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.57	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.14	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.43	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.29	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.86	
<i>For Elevated Installation &gt;40', Add</i>	3.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.72	
26 05 33 13-0658 EA 1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	7.22	2.67
<i>For Work In Restricted Working Space, Add</i>	2.00	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.67	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.33	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.67	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.33	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.67	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.34	
<i>For Elevated Installation &gt;40', Add</i>	3.67	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.00	
26 05 33 13-0659 EA 1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw .....	10.54	3.81
<i>For Work In Restricted Working Space, Add</i>	2.86	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.95	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.91	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.38	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.81	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.77	
<i>For Elevated Installation &gt;40', Add</i>	5.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.86	
26 05 33 13-0660 EA 1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw .....	12.90	4.57
<i>For Work In Restricted Working Space, Add</i>	3.43	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.14	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.29	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.86	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.57	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.72	
<i>For Elevated Installation &gt;40', Add</i>	6.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.43	
26 05 33 13-0661 EA 2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	16.46	5.72
<i>For Work In Restricted Working Space, Add</i>	4.29	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.43	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.86	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.57	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.72	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.15	
<i>For Elevated Installation &gt;40', Add</i>	7.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-0662 EA 2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw .....	25.11	7.62
<i>For Work In Restricted Working Space, Add</i>	5.72	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.91	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.81	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.77	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.67	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.62	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.53	
<i>For Elevated Installation &gt;40', Add</i>	10.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.72	
26 05 33 13-0663 EA 3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	31.22	9.53
<i>For Work In Restricted Working Space, Add</i>	7.15	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.38	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.76	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.96	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.53	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.91	
<i>For Elevated Installation &gt;40', Add</i>	13.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.15	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0664 EA 3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	36.90	11.43
<i>For Work In Restricted Working Space, Add</i>	8.57	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
<i>For Elevated Installation &gt;40', Add</i>	15.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.57	
26 05 33 13-0665 EA 4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	42.98	13.34
<i>For Work In Restricted Working Space, Add</i>	10.01	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.34	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.67	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.34	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.67	
<i>For Elevated Installation &gt;30' To 35', Add</i>	13.34	
<i>For Elevated Installation &gt;35' To 40', Add</i>	16.68	
<i>For Elevated Installation &gt;40', Add</i>	18.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01	
<b>26 05 33 13-0666 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw</b>		
<small>(26 05 33 13-0598)</small>		
26 05 33 13-0667 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	6.71	2.58
<i>For Work In Restricted Working Space, Add</i>	1.92	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.64	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.28	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.60	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.24	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.56	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.20	
<i>For Elevated Installation &gt;40', Add</i>	3.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.92	
26 05 33 13-0668 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	7.48	2.77
<i>For Work In Restricted Working Space, Add</i>	2.09	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.70	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.39	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.44	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.78	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.48	
<i>For Elevated Installation &gt;40', Add</i>	3.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.09	
26 05 33 13-0669 EA 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	9.40	3.43
<i>For Work In Restricted Working Space, Add</i>	2.54	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.85	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.70	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.12	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.97	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.39	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.24	
<i>For Elevated Installation &gt;40', Add</i>	4.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.54	
26 05 33 13-0670 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	12.39	4.38
<i>For Work In Restricted Working Space, Add</i>	3.26	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.09	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.17	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.72	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.34	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.43	
<i>For Elevated Installation &gt;40', Add</i>	5.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.26	
26 05 33 13-0671 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	14.72	5.05
<i>For Work In Restricted Working Space, Add</i>	3.80	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.27	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.54	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.17	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.44	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.07	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.34	
<i>For Elevated Installation &gt;40', Add</i>	6.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.80	
26 05 33 13-0672 EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	18.04	6.10
<i>For Work In Restricted Working Space, Add</i>	4.57	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.52	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.05	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.81	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.33	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.10	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.62	
<i>For Elevated Installation &gt;40', Add</i>	8.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0673 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	30.32	8.48
For Work In Restricted Working Space, Add	6.35	
For Elevated Installation >10' To 15', Add	2.12	
For Elevated Installation >15' To 20', Add	4.23	
For Elevated Installation >20' To 25', Add	5.29	
For Elevated Installation >25' To 30', Add	7.40	
For Elevated Installation >30' To 35', Add	8.46	
For Elevated Installation >35' To 40', Add	10.58	
For Elevated Installation >40', Add	11.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.35	
26 05 33 13-0674 EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	39.16	11.24
For Work In Restricted Working Space, Add	8.46	
For Elevated Installation >10' To 15', Add	2.82	
For Elevated Installation >15' To 20', Add	5.64	
For Elevated Installation >20' To 25', Add	7.05	
For Elevated Installation >25' To 30', Add	9.87	
For Elevated Installation >30' To 35', Add	11.28	
For Elevated Installation >35' To 40', Add	14.10	
For Elevated Installation >40', Add	15.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.46	
26 05 33 13-0675 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	50.02	14.48
For Work In Restricted Working Space, Add	10.89	
For Elevated Installation >10' To 15', Add	3.63	
For Elevated Installation >15' To 20', Add	7.26	
For Elevated Installation >20' To 25', Add	9.08	
For Elevated Installation >25' To 30', Add	12.71	
For Elevated Installation >30' To 35', Add	14.52	
For Elevated Installation >35' To 40', Add	18.16	
For Elevated Installation >40', Add	19.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.89	
26 05 33 13-0676 EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	62.72	19.06
For Work In Restricted Working Space, Add	14.29	
For Elevated Installation >10' To 15', Add	4.76	
For Elevated Installation >15' To 20', Add	9.53	
For Elevated Installation >20' To 25', Add	11.91	
For Elevated Installation >25' To 30', Add	16.67	
For Elevated Installation >30' To 35', Add	19.06	
For Elevated Installation >35' To 40', Add	23.82	
For Elevated Installation >40', Add	26.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.29	
<b>26 05 33 13-0677 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors <small>(26 05 33 13-0598)</small></b>		
26 05 33 13-0678 EA 1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	6.04	2.29
For Work In Restricted Working Space, Add	1.72	
For Elevated Installation >10' To 15', Add	0.57	
For Elevated Installation >15' To 20', Add	1.14	
For Elevated Installation >20' To 25', Add	1.43	
For Elevated Installation >25' To 30', Add	2.00	
For Elevated Installation >30' To 35', Add	2.29	
For Elevated Installation >35' To 40', Add	2.86	
For Elevated Installation >40', Add	3.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.72	
26 05 33 13-0679 EA 3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	7.15	2.67
For Work In Restricted Working Space, Add	2.00	
For Elevated Installation >10' To 15', Add	0.67	
For Elevated Installation >15' To 20', Add	1.33	
For Elevated Installation >20' To 25', Add	1.67	
For Elevated Installation >25' To 30', Add	2.33	
For Elevated Installation >30' To 35', Add	2.67	
For Elevated Installation >35' To 40', Add	3.34	
For Elevated Installation >40', Add	3.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.00	
26 05 33 13-0680 EA 1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	10.21	3.81
For Work In Restricted Working Space, Add	2.86	
For Elevated Installation >10' To 15', Add	0.95	
For Elevated Installation >15' To 20', Add	1.91	
For Elevated Installation >20' To 25', Add	2.38	
For Elevated Installation >25' To 30', Add	3.34	
For Elevated Installation >30' To 35', Add	3.81	
For Elevated Installation >35' To 40', Add	4.77	
For Elevated Installation >40', Add	5.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.86	
26 05 33 13-0681 EA 1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	12.71	4.57
For Work In Restricted Working Space, Add	3.43	
For Elevated Installation >10' To 15', Add	1.14	
For Elevated Installation >15' To 20', Add	2.29	
For Elevated Installation >20' To 25', Add	2.86	
For Elevated Installation >25' To 30', Add	4.00	
For Elevated Installation >30' To 35', Add	4.57	
For Elevated Installation >35' To 40', Add	5.72	
For Elevated Installation >40', Add	6.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.43	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0682	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	15.14	5.34
			<i>For Work In Restricted Working Space, Add</i>	4.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.34	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.67	
			<i>For Elevated Installation &gt;40', Add</i>	7.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.00	
26 05 33	13-0683	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	19.75	6.86
			<i>For Work In Restricted Working Space, Add</i>	5.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.58	
			<i>For Elevated Installation &gt;40', Add</i>	9.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.15	
26 05 33	13-0684	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	30.71	9.15
			<i>For Work In Restricted Working Space, Add</i>	6.86	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.29	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.57	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.44	
			<i>For Elevated Installation &gt;40', Add</i>	12.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.86	
26 05 33	13-0685	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	38.83	11.43
			<i>For Work In Restricted Working Space, Add</i>	8.57	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
			<i>For Elevated Installation &gt;40', Add</i>	15.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.57	
26 05 33	13-0686	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	49.15	13.34
			<i>For Work In Restricted Working Space, Add</i>	10.01	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.34	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.34	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.68	
			<i>For Elevated Installation &gt;40', Add</i>	18.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01	
26 05 33	13-0687	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	55.24	15.24
			<i>For Work In Restricted Working Space, Add</i>	11.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.81	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.62	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.53	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.24	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.06	
			<i>For Elevated Installation &gt;40', Add</i>	20.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	
26 05 33	13-0688		<b>Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors</b>		
			<small>(26 05 33 13-0598)</small>		
26 05 33	13-0689	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	6.93	2.58
			<i>For Work In Restricted Working Space, Add</i>	1.92	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.64	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.24	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.56	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.20	
			<i>For Elevated Installation &gt;40', Add</i>	3.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.92	
26 05 33	13-0690	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	7.70	2.77
			<i>For Work In Restricted Working Space, Add</i>	2.09	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.70	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.44	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.78	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.48	
			<i>For Elevated Installation &gt;40', Add</i>	3.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0691 EA 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	9.59	3.43
<i>For Work In Restricted Working Space, Add</i>	2.54	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.85	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.70	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.12	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.97	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.39	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.24	
<i>For Elevated Installation &gt;40', Add</i>	4.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.54	
26 05 33 13-0692 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	12.93	4.38
<i>For Work In Restricted Working Space, Add</i>	3.26	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.09	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.17	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.72	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.34	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.43	
<i>For Elevated Installation &gt;40', Add</i>	5.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.26	
26 05 33 13-0693 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	15.61	5.05
<i>For Work In Restricted Working Space, Add</i>	3.80	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.27	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.54	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.17	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.44	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.07	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.34	
<i>For Elevated Installation &gt;40', Add</i>	6.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.80	
26 05 33 13-0694 EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	19.34	6.10
<i>For Work In Restricted Working Space, Add</i>	4.57	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.52	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.05	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.81	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.33	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.10	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.62	
<i>For Elevated Installation &gt;40', Add</i>	8.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.57	
26 05 33 13-0695 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	35.04	8.48
<i>For Work In Restricted Working Space, Add</i>	6.35	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.12	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.23	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.29	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.40	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.46	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.58	
<i>For Elevated Installation &gt;40', Add</i>	11.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.35	
26 05 33 13-0696 EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	47.10	11.24
<i>For Work In Restricted Working Space, Add</i>	8.46	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.82	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.64	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.05	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.87	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.28	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.10	
<i>For Elevated Installation &gt;40', Add</i>	15.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.46	
26 05 33 13-0697 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	63.94	14.48
<i>For Work In Restricted Working Space, Add</i>	10.89	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.63	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.26	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.08	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.71	
<i>For Elevated Installation &gt;30' To 35', Add</i>	14.52	
<i>For Elevated Installation &gt;35' To 40', Add</i>	18.16	
<i>For Elevated Installation &gt;40', Add</i>	19.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.89	
26 05 33 13-0698 EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	79.95	19.06
<i>For Work In Restricted Working Space, Add</i>	14.29	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.76	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.53	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.91	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.67	
<i>For Elevated Installation &gt;30' To 35', Add</i>	19.06	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.82	
<i>For Elevated Installation &gt;40', Add</i>	26.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.29	

26 05 33 13-0699 Electrical Metallic Tubing (EMT) Expansion Coupling (26 05 33 13-0598)  
 Note: Excludes jumper.

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0700 EA 1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	53.63	12.68
For Work In Restricted Working Space, Add	9.51	
For Elevated Installation >10' To 15', Add	3.17	
For Elevated Installation >15' To 20', Add	6.34	
For Elevated Installation >20' To 25', Add	7.93	
For Elevated Installation >25' To 30', Add	11.10	
For Elevated Installation >30' To 35', Add	12.68	
For Elevated Installation >35' To 40', Add	15.86	
For Elevated Installation >40', Add	17.44	
26 05 33 13-0701 EA 3/4" Electrical Metallic Tubing (EMT) Expansion Coupling .....	64.58	15.35
For Work In Restricted Working Space, Add	11.53	
For Elevated Installation >10' To 15', Add	3.84	
For Elevated Installation >15' To 20', Add	7.69	
For Elevated Installation >20' To 25', Add	9.61	
For Elevated Installation >25' To 30', Add	13.45	
For Elevated Installation >30' To 35', Add	15.38	
For Elevated Installation >35' To 40', Add	19.22	
For Elevated Installation >40', Add	21.14	
26 05 33 13-0702 EA 1" Electrical Metallic Tubing (EMT) Expansion Coupling .....	79.26	19.25
For Work In Restricted Working Space, Add	14.42	
For Elevated Installation >10' To 15', Add	4.81	
For Elevated Installation >15' To 20', Add	9.61	
For Elevated Installation >20' To 25', Add	12.01	
For Elevated Installation >25' To 30', Add	16.82	
For Elevated Installation >30' To 35', Add	19.22	
For Elevated Installation >35' To 40', Add	24.03	
For Elevated Installation >40', Add	26.43	
26 05 33 13-0703 EA 1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling .....	102.83	23.63
For Work In Restricted Working Space, Add	17.73	
For Elevated Installation >10' To 15', Add	5.91	
For Elevated Installation >15' To 20', Add	11.82	
For Elevated Installation >20' To 25', Add	14.78	
For Elevated Installation >25' To 30', Add	20.69	
For Elevated Installation >30' To 35', Add	23.64	
For Elevated Installation >35' To 40', Add	29.56	
For Elevated Installation >40', Add	32.51	
26 05 33 13-0704 EA 1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	128.24	27.73
For Work In Restricted Working Space, Add	20.80	
For Elevated Installation >10' To 15', Add	6.93	
For Elevated Installation >15' To 20', Add	13.86	
For Elevated Installation >20' To 25', Add	17.33	
For Elevated Installation >25' To 30', Add	24.26	
For Elevated Installation >30' To 35', Add	27.73	
For Elevated Installation >35' To 40', Add	34.66	
For Elevated Installation >40', Add	38.13	
26 05 33 13-0705 EA 2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	161.05	33.73
For Work In Restricted Working Space, Add	25.33	
For Elevated Installation >10' To 15', Add	8.44	
For Elevated Installation >15' To 20', Add	16.88	
For Elevated Installation >20' To 25', Add	21.11	
For Elevated Installation >25' To 30', Add	29.55	
For Elevated Installation >30' To 35', Add	33.77	
For Elevated Installation >35' To 40', Add	42.21	
For Elevated Installation >40', Add	46.43	
26 05 33 13-0706 EA 2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	313.52	43.36
For Work In Restricted Working Space, Add	32.53	
For Elevated Installation >10' To 15', Add	10.84	
For Elevated Installation >15' To 20', Add	21.68	
For Elevated Installation >20' To 25', Add	27.11	
For Elevated Installation >25' To 30', Add	37.95	
For Elevated Installation >30' To 35', Add	43.37	
For Elevated Installation >35' To 40', Add	54.21	
For Elevated Installation >40', Add	59.63	
26 05 33 13-0707 EA 3" Electrical Metallic Tubing (EMT) Expansion Coupling .....	384.14	50.69
For Work In Restricted Working Space, Add	38.03	
For Elevated Installation >10' To 15', Add	12.68	
For Elevated Installation >15' To 20', Add	25.35	
For Elevated Installation >20' To 25', Add	31.69	
For Elevated Installation >25' To 30', Add	44.37	
For Elevated Installation >30' To 35', Add	50.71	
For Elevated Installation >35' To 40', Add	63.39	
For Elevated Installation >40', Add	69.72	
26 05 33 13-0708 EA 3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	473.82	55.27
For Work In Restricted Working Space, Add	41.47	
For Elevated Installation >10' To 15', Add	13.82	
For Elevated Installation >15' To 20', Add	27.64	
For Elevated Installation >20' To 25', Add	34.56	
For Elevated Installation >25' To 30', Add	48.38	
For Elevated Installation >30' To 35', Add	55.29	
For Elevated Installation >35' To 40', Add	69.11	
For Elevated Installation >40', Add	76.02	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0709 EA 4" Electrical Metallic Tubing (EMT) Expansion Coupling .....	512.49	60.99
<i>For Work In Restricted Working Space, Add</i>	45.75	
<i>For Elevated Installation &gt;10' To 15', Add</i>	15.25	
<i>For Elevated Installation &gt;15' To 20', Add</i>	30.50	
<i>For Elevated Installation &gt;20' To 25', Add</i>	38.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	53.38	
<i>For Elevated Installation &gt;30' To 35', Add</i>	61.00	
<i>For Elevated Installation &gt;35' To 40', Add</i>	76.26	
<i>For Elevated Installation &gt;40', Add</i>	83.88	
 26 05 33 13-0710 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters <small>(26 05 33 13-0598)</small>		
26 05 33 13-0711 EA 1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter .....	9.78	3.43
<i>For Work In Restricted Working Space, Add</i>	2.54	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.85	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.69	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.12	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.38	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.23	
<i>For Elevated Installation &gt;40', Add</i>	4.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.54	
26 05 33 13-0712 EA 1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	10.50	3.43
<i>For Work In Restricted Working Space, Add</i>	2.54	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.85	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.69	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.12	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.38	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.23	
<i>For Elevated Installation &gt;40', Add</i>	4.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.54	
26 05 33 13-0713 EA 3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	11.74	3.72
<i>For Work In Restricted Working Space, Add</i>	2.82	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.94	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.88	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.35	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.29	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.76	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.70	
<i>For Elevated Installation &gt;40', Add</i>	5.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.82	
26 05 33 13-0714 EA 1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	13.70	4.29
<i>For Work In Restricted Working Space, Add</i>	3.21	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.07	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.14	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.75	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.28	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.35	
<i>For Elevated Installation &gt;40', Add</i>	5.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.21	
26 05 33 13-0715 EA 1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter .....	19.74	5.15
<i>For Work In Restricted Working Space, Add</i>	3.88	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.29	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.59	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.24	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.53	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.18	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.47	
<i>For Elevated Installation &gt;40', Add</i>	7.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.88	
26 05 33 13-0716 EA 1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter .....	24.25	5.91
<i>For Work In Restricted Working Space, Add</i>	4.43	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.48	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.96	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.70	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.17	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.91	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.39	
<i>For Elevated Installation &gt;40', Add</i>	8.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.43	
26 05 33 13-0717 EA 2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	31.68	7.43
<i>For Work In Restricted Working Space, Add</i>	5.54	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.85	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.70	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.62	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.47	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.39	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.24	
<i>For Elevated Installation &gt;40', Add</i>	10.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
 26 05 33 13-0718 Electrical Metallic Tubing (EMT) Pulling Elbows <small>(26 05 33 13-0598)</small>		

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0719	EA 1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.58 5.15 3.43 5.15	8.58
26 05 33 13-0720	EA 3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.00 6.00 4.00 6.00	10.01
26 05 33 13-0721	EA 1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.99 6.86 4.57 6.86	11.43
26 05 33 13-0722	EA 1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.37 8.57 5.72 8.57	14.29
26 05 33 13-0723	<b>Intermediate Metal Conduit (IMC)</b> <small>(26 05 33 13-0058)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0724	<b>Intermediate Metal Conduit (IMC) Conduit</b> <small>(26 05 33 13-0723)</small> Note: Includes field bending conduit up to 1".		
26 05 33 13-0725	LF 1/2" Intermediate Metal Conduit (IMC) Conduit ..... <i>For Installation In Metal Stud Wall, Add</i> <i>For &gt;1,000, Deduct</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For &gt;250 To 500, Deduct</i>	7.24 0.50 -0.23 0.50 0.99 1.24 1.73 1.98 2.48 2.72 1.49 -0.17 0.74 1.24 -0.11	1.91
26 05 33 13-0726	LF 3/4" Intermediate Metal Conduit (IMC) Conduit ..... <i>For Installation In Metal Stud Wall, Add</i> <i>For &gt;1,000, Deduct</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For &gt;250 To 500, Deduct</i>	8.64 0.59 -0.27 0.59 1.18 1.48 2.07 2.36 2.96 3.25 1.77 -0.20 0.89 1.48 -0.14	2.10
26 05 33 13-0727	LF 1" Intermediate Metal Conduit (IMC) Conduit ..... <i>For Installation In Metal Stud Wall, Add</i> <i>For &gt;1,000, Deduct</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For &gt;250 To 500, Deduct</i>	11.64 0.74 -0.42 0.74 1.49 1.86 2.60 2.97 3.72 4.09 2.23 -0.32 1.11 1.86 -0.21	2.29
26 05 33 13-0728	LF 1-1/4" Intermediate Metal Conduit (IMC) Conduit ..... <i>For Installation In Metal Stud Wall, Add</i> <i>For &gt;1,000, Deduct</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For &gt;250 To 500, Deduct</i>	13.53 0.82 -0.53 0.82 1.64 2.05 2.87 3.28 4.10 4.50 2.46 -0.40 1.23 2.05 -0.27	4.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0729 LF 1-1/2" Intermediate Metal Conduit (IMC) Conduit .....	15.26	3.05
For Installation In Metal Stud Wall, Add	0.90	
For >1,000, Deduct	-0.63	
For Elevated Installation >10' To 15', Add	0.90	
For Elevated Installation >15' To 20', Add	1.79	
For Elevated Installation >20' To 25', Add	2.24	
For Elevated Installation >25' To 30', Add	3.14	
For Elevated Installation >30' To 35', Add	3.58	
For Elevated Installation >35' To 40', Add	4.48	
For Elevated Installation >40', Add	4.93	
For Work In Restricted Working Space, Add	2.69	
For >500 To 1,000, Deduct	-0.47	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.34	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.24	
For >250 To 500, Deduct	-0.32	
26 05 33 13-0730 LF 2" Intermediate Metal Conduit (IMC) Conduit .....	19.41	3.43
For Installation In Metal Stud Wall, Add	1.09	
For >1,000, Deduct	-0.86	
For Elevated Installation >10' To 15', Add	1.09	
For Elevated Installation >15' To 20', Add	2.17	
For Elevated Installation >20' To 25', Add	2.72	
For Elevated Installation >25' To 30', Add	3.80	
For Elevated Installation >30' To 35', Add	4.34	
For Elevated Installation >35' To 40', Add	5.43	
For Elevated Installation >40', Add	5.97	
For Work In Restricted Working Space, Add	3.26	
For >500 To 1,000, Deduct	-0.64	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.63	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.72	
For >250 To 500, Deduct	-0.43	
26 05 33 13-0731 LF 2-1/2" Intermediate Metal Conduit (IMC) Conduit .....	33.33	4.57
For Installation In Metal Stud Wall, Add	1.44	
For >1,000, Deduct	-1.89	
For Elevated Installation >10' To 15', Add	1.44	
For Elevated Installation >15' To 20', Add	2.88	
For Elevated Installation >20' To 25', Add	3.60	
For Elevated Installation >25' To 30', Add	5.04	
For Elevated Installation >30' To 35', Add	5.76	
For Elevated Installation >35' To 40', Add	7.20	
For Elevated Installation >40', Add	7.91	
For Work In Restricted Working Space, Add	4.32	
For >500 To 1,000, Deduct	-1.42	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.16	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.60	
For >250 To 500, Deduct	-0.95	
26 05 33 13-0732 LF 3" Intermediate Metal Conduit (IMC) Conduit .....	42.38	5.72
For Installation In Metal Stud Wall, Add	1.91	
For >1,000, Deduct	-2.33	
For Elevated Installation >10' To 15', Add	1.91	
For Elevated Installation >15' To 20', Add	3.81	
For Elevated Installation >20' To 25', Add	4.77	
For Elevated Installation >25' To 30', Add	6.67	
For Elevated Installation >30' To 35', Add	7.62	
For Elevated Installation >35' To 40', Add	9.53	
For Elevated Installation >40', Add	10.48	
For Work In Restricted Working Space, Add	5.72	
For >500 To 1,000, Deduct	-1.75	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.86	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.77	
For >250 To 500, Deduct	-1.17	
26 05 33 13-0733 LF 3-1/2" Intermediate Metal Conduit (IMC) Conduit .....	48.83	6.86
For Installation In Metal Stud Wall, Add	2.18	
For >1,000, Deduct	-2.70	
For Elevated Installation >10' To 15', Add	2.18	
For Elevated Installation >15' To 20', Add	4.36	
For Elevated Installation >20' To 25', Add	5.46	
For Elevated Installation >25' To 30', Add	7.64	
For Elevated Installation >30' To 35', Add	8.73	
For Elevated Installation >35' To 40', Add	10.91	
For Elevated Installation >40', Add	12.00	
For Work In Restricted Working Space, Add	6.55	
For >500 To 1,000, Deduct	-2.03	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.27	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.46	
For >250 To 500, Deduct	-1.35	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0734 LF 4" Intermediate Metal Conduit (IMC) Conduit .....	57.24	8.00
For Installation In Metal Stud Wall, Add	2.55	
For >1,000, Deduct	-3.18	
For Elevated Installation >10' To 15', Add	2.55	
For Elevated Installation >15' To 20', Add	5.09	
For Elevated Installation >20' To 25', Add	6.36	
For Elevated Installation >25' To 30', Add	8.91	
For Elevated Installation >30' To 35', Add	10.18	
For Elevated Installation >35' To 40', Add	12.73	
For Elevated Installation >40', Add	14.00	
For Work In Restricted Working Space, Add	7.64	
For >500 To 1,000, Deduct	-2.38	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.82	
For Installation In Wood Stud Wall (Includes Drilling), Add	6.36	
For >250 To 500, Deduct	-1.59	
<b>26 05 33 13-0735 Intermediate Metal Conduit (IMC) 90 Degree Elbows</b> <small>(26 05 33 13-0723)</small>		
See CSI section 26 05 33 13-2248 for conduit field bending.		
26 05 33 13-0736 EA 1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	32.65	9.44
For Elevated Installation >10' To 15', Add	2.37	
For Elevated Installation >15' To 20', Add	4.73	
For Elevated Installation >20' To 25', Add	5.92	
For Elevated Installation >25' To 30', Add	8.28	
For Elevated Installation >30' To 35', Add	9.46	
For Elevated Installation >35' To 40', Add	11.83	
For Elevated Installation >40', Add	13.01	
For Work In Restricted Working Space, Add	7.10	
26 05 33 13-0737 EA 3/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	39.50	11.72
For Elevated Installation >10' To 15', Add	2.94	
For Elevated Installation >15' To 20', Add	5.88	
For Elevated Installation >20' To 25', Add	7.36	
For Elevated Installation >25' To 30', Add	10.30	
For Elevated Installation >30' To 35', Add	11.77	
For Elevated Installation >35' To 40', Add	14.71	
For Elevated Installation >40', Add	16.18	
For Work In Restricted Working Space, Add	8.83	
26 05 33 13-0738 EA 1" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	50.21	14.39
For Elevated Installation >10' To 15', Add	3.59	
For Elevated Installation >15' To 20', Add	7.18	
For Elevated Installation >20' To 25', Add	8.97	
For Elevated Installation >25' To 30', Add	12.56	
For Elevated Installation >30' To 35', Add	14.35	
For Elevated Installation >35' To 40', Add	17.94	
For Elevated Installation >40', Add	19.73	
For Work In Restricted Working Space, Add	10.76	
26 05 33 13-0739 EA 1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	61.74	16.68
For Elevated Installation >10' To 15', Add	4.17	
For Elevated Installation >15' To 20', Add	8.33	
For Elevated Installation >20' To 25', Add	10.41	
For Elevated Installation >25' To 30', Add	14.58	
For Elevated Installation >30' To 35', Add	16.66	
For Elevated Installation >35' To 40', Add	20.83	
For Elevated Installation >40', Add	22.91	
For Work In Restricted Working Space, Add	12.50	
26 05 33 13-0740 EA 1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	73.22	19.16
For Elevated Installation >10' To 15', Add	4.78	
For Elevated Installation >15' To 20', Add	9.56	
For Elevated Installation >20' To 25', Add	11.95	
For Elevated Installation >25' To 30', Add	16.73	
For Elevated Installation >30' To 35', Add	19.12	
For Elevated Installation >35' To 40', Add	23.91	
For Elevated Installation >40', Add	26.30	
For Work In Restricted Working Space, Add	14.34	
26 05 33 13-0741 EA 2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	89.18	21.06
For Elevated Installation >10' To 15', Add	5.26	
For Elevated Installation >15' To 20', Add	10.52	
For Elevated Installation >20' To 25', Add	13.15	
For Elevated Installation >25' To 30', Add	18.41	
For Elevated Installation >30' To 35', Add	21.04	
For Elevated Installation >35' To 40', Add	26.30	
For Elevated Installation >40', Add	28.93	
For Work In Restricted Working Space, Add	15.78	
26 05 33 13-0742 EA 2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	127.86	26.30
For Elevated Installation >10' To 15', Add	6.57	
For Elevated Installation >15' To 20', Add	13.15	
For Elevated Installation >20' To 25', Add	16.44	
For Elevated Installation >25' To 30', Add	23.01	
For Elevated Installation >30' To 35', Add	26.30	
For Elevated Installation >35' To 40', Add	32.87	
For Elevated Installation >40', Add	36.16	
For Work In Restricted Working Space, Add	19.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0743 EA 3" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	184.65	35.83
For Elevated Installation >10' To 15', Add	8.96	
For Elevated Installation >15' To 20', Add	17.91	
For Elevated Installation >20' To 25', Add	22.39	
For Elevated Installation >25' To 30', Add	31.35	
For Elevated Installation >30' To 35', Add	35.82	
For Elevated Installation >35' To 40', Add	44.78	
For Elevated Installation >40', Add	49.26	
For Work In Restricted Working Space, Add	26.87	
26 05 33 13-0744 EA 3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	268.90	40.40
For Elevated Installation >10' To 15', Add	10.10	
For Elevated Installation >15' To 20', Add	20.20	
For Elevated Installation >20' To 25', Add	25.26	
For Elevated Installation >25' To 30', Add	35.36	
For Elevated Installation >30' To 35', Add	40.41	
For Elevated Installation >35' To 40', Add	50.51	
For Elevated Installation >40', Add	55.56	
For Work In Restricted Working Space, Add	30.31	
26 05 33 13-0745 EA 4" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	326.22	52.61
For Elevated Installation >10' To 15', Add	13.15	
For Elevated Installation >15' To 20', Add	26.30	
For Elevated Installation >20' To 25', Add	32.87	
For Elevated Installation >25' To 30', Add	46.02	
For Elevated Installation >30' To 35', Add	52.59	
For Elevated Installation >35' To 40', Add	65.74	
For Elevated Installation >40', Add	72.31	
For Work In Restricted Working Space, Add	39.44	
<b>26 05 33 13-0746 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut</b> <small>(26 05 33 13-0723)</small>		
26 05 33 13-0747 EA 1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	13.01	4.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.72	
26 05 33 13-0748 EA 3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	15.35	0.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-0749 EA 1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	19.87	7.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.43	
26 05 33 13-0750 EA 1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	24.27	8.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.57	
26 05 33 13-0751 EA 1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	27.19	9.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.15	
26 05 33 13-0752 EA 2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	35.10	11.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.66	
26 05 33 13-0753 EA 2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	64.97	19.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.30	
26 05 33 13-0754 EA 3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	80.20	25.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.44	
26 05 33 13-0755 EA 3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	105.03	30.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 05 33 13-0756 EA 4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	124.00	35.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.87	
<b>26 05 33 13-0757 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings</b> <small>(26 05 33 13-0723)</small>		
Note: 3-Piece coupling.		
26 05 33 13-0758 EA 1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	42.98	15.24
For Elevated Installation >10' To 15', Add	3.82	
For Elevated Installation >15' To 20', Add	7.63	
For Elevated Installation >20' To 25', Add	9.54	
For Elevated Installation >25' To 30', Add	13.36	
For Elevated Installation >30' To 35', Add	15.26	
For Elevated Installation >35' To 40', Add	19.08	
For Elevated Installation >40', Add	20.99	
For Work In Restricted Working Space, Add	11.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.45	
26 05 33 13-0759 EA 3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	48.80	17.06
For Elevated Installation >10' To 15', Add	4.26	
For Elevated Installation >15' To 20', Add	8.52	
For Elevated Installation >20' To 25', Add	10.65	
For Elevated Installation >25' To 30', Add	14.91	
For Elevated Installation >30' To 35', Add	17.04	
For Elevated Installation >35' To 40', Add	21.30	
For Elevated Installation >40', Add	23.42	
For Work In Restricted Working Space, Add	12.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.78	
26 05 33 13-0760 EA 1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	59.41	18.97
For Elevated Installation >10' To 15', Add	4.74	
For Elevated Installation >15' To 20', Add	9.49	
For Elevated Installation >20' To 25', Add	11.86	
For Elevated Installation >25' To 30', Add	16.60	
For Elevated Installation >30' To 35', Add	18.98	
For Elevated Installation >35' To 40', Add	23.72	
For Elevated Installation >40', Add	26.09	
For Work In Restricted Working Space, Add	14.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.23	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0761 EA 1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	73.93	20.77
For Elevated Installation >10' To 15', Add	5.19	
For Elevated Installation >15' To 20', Add	10.38	
For Elevated Installation >20' To 25', Add	12.98	
For Elevated Installation >25' To 30', Add	18.17	
For Elevated Installation >30' To 35', Add	20.76	
For Elevated Installation >35' To 40', Add	25.96	
For Elevated Installation >40', Add	28.55	
For Work In Restricted Working Space, Add	15.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.57	
26 05 33 13-0762 EA 1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	84.43	22.68
For Elevated Installation >10' To 15', Add	5.68	
For Elevated Installation >15' To 20', Add	11.36	
For Elevated Installation >20' To 25', Add	14.20	
For Elevated Installation >25' To 30', Add	19.88	
For Elevated Installation >30' To 35', Add	22.72	
For Elevated Installation >35' To 40', Add	28.40	
For Elevated Installation >40', Add	31.24	
For Work In Restricted Working Space, Add	17.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.04	
26 05 33 13-0763 EA 2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	116.77	24.58
For Elevated Installation >10' To 15', Add	6.15	
For Elevated Installation >15' To 20', Add	12.30	
For Elevated Installation >20' To 25', Add	15.38	
For Elevated Installation >25' To 30', Add	21.53	
For Elevated Installation >30' To 35', Add	24.60	
For Elevated Installation >35' To 40', Add	30.76	
For Elevated Installation >40', Add	33.83	
For Work In Restricted Working Space, Add	18.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.45	
26 05 33 13-0764 EA 2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	194.43	30.49
For Elevated Installation >10' To 15', Add	7.62	
For Elevated Installation >15' To 20', Add	15.25	
For Elevated Installation >20' To 25', Add	19.06	
For Elevated Installation >25' To 30', Add	26.68	
For Elevated Installation >30' To 35', Add	30.49	
For Elevated Installation >35' To 40', Add	38.12	
For Elevated Installation >40', Add	41.93	
For Work In Restricted Working Space, Add	22.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.87	
26 05 33 13-0765 EA 3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	275.55	38.11
For Elevated Installation >10' To 15', Add	9.53	
For Elevated Installation >15' To 20', Add	19.06	
For Elevated Installation >20' To 25', Add	23.82	
For Elevated Installation >25' To 30', Add	33.35	
For Elevated Installation >30' To 35', Add	38.12	
For Elevated Installation >35' To 40', Add	47.65	
For Elevated Installation >40', Add	52.41	
For Work In Restricted Working Space, Add	28.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.59	
26 05 33 13-0766 EA 3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	403.99	45.74
For Elevated Installation >10' To 15', Add	11.44	
For Elevated Installation >15' To 20', Add	22.88	
For Elevated Installation >20' To 25', Add	28.60	
For Elevated Installation >25' To 30', Add	40.04	
For Elevated Installation >30' To 35', Add	45.76	
For Elevated Installation >35' To 40', Add	57.20	
For Elevated Installation >40', Add	62.91	
For Work In Restricted Working Space, Add	34.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.32	
26 05 33 13-0767 EA 4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	466.66	49.55
For Elevated Installation >10' To 15', Add	12.39	
For Elevated Installation >15' To 20', Add	24.77	
For Elevated Installation >20' To 25', Add	30.97	
For Elevated Installation >25' To 30', Add	43.35	
For Elevated Installation >30' To 35', Add	49.55	
For Elevated Installation >35' To 40', Add	61.94	
For Elevated Installation >40', Add	68.13	
For Work In Restricted Working Space, Add	37.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.16	
<b>26 05 33 13-0768 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors</b> <small>(26 05 33 13-0723)</small>		
26 05 33 13-0769 EA 1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	24.31	7.62
For Elevated Installation >10' To 15', Add	1.91	
For Elevated Installation >15' To 20', Add	3.81	
For Elevated Installation >20' To 25', Add	4.77	
For Elevated Installation >25' To 30', Add	6.67	
For Elevated Installation >30' To 35', Add	7.62	
For Elevated Installation >35' To 40', Add	9.53	
For Elevated Installation >40', Add	10.48	
For Work In Restricted Working Space, Add	5.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0770 EA 3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	27.17	8.38
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.10	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.24	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.38	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.48	
<i>For Elevated Installation &gt;40', Add</i>	11.53	
<i>For Work In Restricted Working Space, Add</i>	6.29	
26 05 33 13-0771 EA 1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	31.21	9.53
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.38	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.76	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.96	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.53	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.91	
<i>For Elevated Installation &gt;40', Add</i>	13.10	
<i>For Work In Restricted Working Space, Add</i>	7.15	
26 05 33 13-0772 EA 1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	35.48	10.29
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.57	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.15	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.43	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.01	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.29	
<i>For Elevated Installation &gt;35' To 40', Add</i>	12.87	
<i>For Elevated Installation &gt;40', Add</i>	14.15	
<i>For Work In Restricted Working Space, Add</i>	7.72	
26 05 33 13-0773 EA 1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	42.17	11.43
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
<i>For Elevated Installation &gt;40', Add</i>	15.72	
<i>For Work In Restricted Working Space, Add</i>	8.57	
26 05 33 13-0774 EA 2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	51.54	12.58
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.15	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.29	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.86	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.01	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.58	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.73	
<i>For Elevated Installation &gt;40', Add</i>	17.30	
<i>For Work In Restricted Working Space, Add</i>	9.44	
26 05 33 13-0775 EA 2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	70.32	15.24
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.81	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.62	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.53	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.24	
<i>For Elevated Installation &gt;35' To 40', Add</i>	19.06	
<i>For Elevated Installation &gt;40', Add</i>	20.96	
<i>For Work In Restricted Working Space, Add</i>	11.43	
26 05 33 13-0776 EA 3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	86.94	19.06
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.76	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.53	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.91	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.67	
<i>For Elevated Installation &gt;30' To 35', Add</i>	19.06	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.82	
<i>For Elevated Installation &gt;40', Add</i>	26.20	
<i>For Work In Restricted Working Space, Add</i>	14.29	
26 05 33 13-0777 EA 3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	104.46	22.87
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.44	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.30	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.01	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.87	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.59	
<i>For Elevated Installation &gt;40', Add</i>	31.45	
<i>For Work In Restricted Working Space, Add</i>	17.15	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-0778	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	118.09		24.77
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.19		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.39		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.49		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.68		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	24.78		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	30.97		
		<i>For Elevated Installation &gt;40', Add</i>	34.07		
		<i>For Work In Restricted Working Space, Add</i>	18.58		
26 05 33 13-0779		<b>Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs</b> <small>(26 05 33 13-0723)</small>			
26 05 33 13-0780	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	21.26		7.62
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.91		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.81		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.77		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.67		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.63		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	9.54		
		<i>For Elevated Installation &gt;40', Add</i>	10.49		
		<i>For Work In Restricted Working Space, Add</i>	5.72		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.72		
26 05 33 13-0781	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	27.10		9.53
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.38		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.76		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.96		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.34		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	9.53		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	11.91		
		<i>For Elevated Installation &gt;40', Add</i>	13.10		
		<i>For Work In Restricted Working Space, Add</i>	7.15		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.15		
26 05 33 13-0782	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	33.44		11.43
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.01		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.44		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.30		
		<i>For Elevated Installation &gt;40', Add</i>	15.72		
		<i>For Work In Restricted Working Space, Add</i>	8.58		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.58		
26 05 33 13-0783	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	40.22		13.34
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.34		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.67		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.34		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	11.68		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	13.34		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	16.68		
		<i>For Elevated Installation &gt;40', Add</i>	18.35		
		<i>For Work In Restricted Working Space, Add</i>	10.01		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01		
26 05 33 13-0784	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	46.95		15.24
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.81		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.62		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.53		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	13.34		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	15.24		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	19.06		
		<i>For Elevated Installation &gt;40', Add</i>	20.96		
		<i>For Work In Restricted Working Space, Add</i>	11.43		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 05 33 13-0785	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	55.65		17.15
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.29		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.58		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.72		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	15.01		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	17.15		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.44		
		<i>For Elevated Installation &gt;40', Add</i>	23.58		
		<i>For Work In Restricted Working Space, Add</i>	12.86		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.86		
26 05 33 13-0786	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	69.03		19.06
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.76		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.53		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	11.91		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	16.67		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.06		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	23.82		
		<i>For Elevated Installation &gt;40', Add</i>	26.20		
		<i>For Work In Restricted Working Space, Add</i>	14.29		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.29		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0787 EA 3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	81.21	20.96
For Elevated Installation >10' To 15', Add	5.24	
For Elevated Installation >15' To 20', Add	10.48	
For Elevated Installation >20' To 25', Add	13.10	
For Elevated Installation >25' To 30', Add	18.34	
For Elevated Installation >30' To 35', Add	20.96	
For Elevated Installation >35' To 40', Add	26.20	
For Elevated Installation >40', Add	28.82	
For Work In Restricted Working Space, Add	15.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.72	
26 05 33 13-0788 EA 3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	99.29	24.77
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	
For Work In Restricted Working Space, Add	18.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.58	
26 05 33 13-0789 EA 4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	113.83	26.68
For Elevated Installation >10' To 15', Add	6.67	
For Elevated Installation >15' To 20', Add	13.34	
For Elevated Installation >20' To 25', Add	16.68	
For Elevated Installation >25' To 30', Add	23.35	
For Elevated Installation >30' To 35', Add	26.68	
For Elevated Installation >35' To 40', Add	33.35	
For Elevated Installation >40', Add	36.69	
For Work In Restricted Working Space, Add	20.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.01	
<b>26 05 33 13-0790 Intermediate Metal Conduit (IMC) Expansion Fittings (26 05 33 13-0723)</b>		
26 05 33 13-0791 EA 1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	132.68	15.24
For Elevated Installation >10' To 15', Add	3.81	
For Elevated Installation >15' To 20', Add	7.62	
For Elevated Installation >20' To 25', Add	9.53	
For Elevated Installation >25' To 30', Add	13.34	
For Elevated Installation >30' To 35', Add	15.25	
For Elevated Installation >35' To 40', Add	19.06	
For Elevated Installation >40', Add	20.97	
For Work In Restricted Working Space, Add	11.44	
26 05 33 13-0792 EA 3/4" Intermediate Metal Conduit (IMC) Expansion Fitting .....	146.90	17.15
For Elevated Installation >10' To 15', Add	4.29	
For Elevated Installation >15' To 20', Add	8.58	
For Elevated Installation >20' To 25', Add	10.72	
For Elevated Installation >25' To 30', Add	15.01	
For Elevated Installation >30' To 35', Add	17.15	
For Elevated Installation >35' To 40', Add	21.44	
For Elevated Installation >40', Add	23.58	
For Work In Restricted Working Space, Add	12.86	
26 05 33 13-0793 EA 1" Intermediate Metal Conduit (IMC) Expansion Fitting .....	163.25	19.06
For Elevated Installation >10' To 15', Add	4.77	
For Elevated Installation >15' To 20', Add	9.53	
For Elevated Installation >20' To 25', Add	11.91	
For Elevated Installation >25' To 30', Add	16.68	
For Elevated Installation >30' To 35', Add	19.06	
For Elevated Installation >35' To 40', Add	23.83	
For Elevated Installation >40', Add	26.21	
For Work In Restricted Working Space, Add	14.30	
26 05 33 13-0794 EA 1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting .....	196.62	20.96
For Elevated Installation >10' To 15', Add	5.24	
For Elevated Installation >15' To 20', Add	10.48	
For Elevated Installation >20' To 25', Add	13.10	
For Elevated Installation >25' To 30', Add	18.34	
For Elevated Installation >30' To 35', Add	20.96	
For Elevated Installation >35' To 40', Add	26.21	
For Elevated Installation >40', Add	28.83	
For Work In Restricted Working Space, Add	15.72	
26 05 33 13-0795 EA 1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	240.09	22.87
For Elevated Installation >10' To 15', Add	5.72	
For Elevated Installation >15' To 20', Add	11.43	
For Elevated Installation >20' To 25', Add	14.29	
For Elevated Installation >25' To 30', Add	20.01	
For Elevated Installation >30' To 35', Add	22.87	
For Elevated Installation >35' To 40', Add	28.59	
For Elevated Installation >40', Add	31.44	
For Work In Restricted Working Space, Add	17.15	
26 05 33 13-0796 EA 2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	314.17	24.77
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.48	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.77	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.06	
For Work In Restricted Working Space, Add	18.58	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0797 EA 2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting.....	472.45	30.49
For Elevated Installation >10' To 15', Add	7.62	
For Elevated Installation >15' To 20', Add	15.25	
For Elevated Installation >20' To 25', Add	19.06	
For Elevated Installation >25' To 30', Add	26.68	
For Elevated Installation >30' To 35', Add	30.49	
For Elevated Installation >35' To 40', Add	38.12	
For Elevated Installation >40', Add	41.93	
For Work In Restricted Working Space, Add	22.87	
26 05 33 13-0798 EA 3" Intermediate Metal Conduit (IMC) Expansion Fitting.....	568.40	38.11
For Elevated Installation >10' To 15', Add	9.53	
For Elevated Installation >15' To 20', Add	19.06	
For Elevated Installation >20' To 25', Add	23.82	
For Elevated Installation >25' To 30', Add	33.35	
For Elevated Installation >30' To 35', Add	38.12	
For Elevated Installation >35' To 40', Add	47.65	
For Elevated Installation >40', Add	52.41	
For Work In Restricted Working Space, Add	28.59	
26 05 33 13-0799 EA 3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting.....	790.24	45.74
For Elevated Installation >10' To 15', Add	11.44	
For Elevated Installation >15' To 20', Add	22.87	
For Elevated Installation >20' To 25', Add	28.59	
For Elevated Installation >25' To 30', Add	40.03	
For Elevated Installation >30' To 35', Add	45.74	
For Elevated Installation >35' To 40', Add	57.18	
For Elevated Installation >40', Add	62.90	
For Work In Restricted Working Space, Add	34.31	
26 05 33 13-0800 EA 4" Intermediate Metal Conduit (IMC) Expansion Fitting.....	912.99	49.55
For Elevated Installation >10' To 15', Add	12.39	
For Elevated Installation >15' To 20', Add	24.77	
For Elevated Installation >20' To 25', Add	30.97	
For Elevated Installation >25' To 30', Add	43.35	
For Elevated Installation >30' To 35', Add	49.55	
For Elevated Installation >35' To 40', Add	61.94	
For Elevated Installation >40', Add	68.13	
For Work In Restricted Working Space, Add	37.16	
<b>26 05 33 13-0801 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal</b> <small>(26 05 33 13-0723)</small>		
26 05 33 13-0802 EA 1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	84.03	23.82
For Elevated Installation >10' To 15', Add	4.76	
For Elevated Installation >15' To 20', Add	9.53	
For Elevated Installation >20' To 25', Add	11.91	
For Elevated Installation >25' To 30', Add	16.67	
For Elevated Installation >30' To 35', Add	19.06	
For Elevated Installation >35' To 40', Add	23.82	
For Elevated Installation >40', Add	26.20	
For Work In Restricted Working Space, Add	14.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.29	
26 05 33 13-0803 EA 3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	99.91	28.58
For Elevated Installation >10' To 15', Add	5.72	
For Elevated Installation >15' To 20', Add	11.44	
For Elevated Installation >20' To 25', Add	14.30	
For Elevated Installation >25' To 30', Add	20.01	
For Elevated Installation >30' To 35', Add	22.87	
For Elevated Installation >35' To 40', Add	28.59	
For Elevated Installation >40', Add	31.45	
For Work In Restricted Working Space, Add	17.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.15	
26 05 33 13-0804 EA 1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	121.63	33.35
For Elevated Installation >10' To 15', Add	6.67	
For Elevated Installation >15' To 20', Add	13.34	
For Elevated Installation >20' To 25', Add	16.68	
For Elevated Installation >25' To 30', Add	23.35	
For Elevated Installation >30' To 35', Add	26.68	
For Elevated Installation >35' To 40', Add	33.36	
For Elevated Installation >40', Add	36.69	
For Work In Restricted Working Space, Add	20.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.01	
26 05 33 13-0805 EA 1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	142.93	38.11
For Elevated Installation >10' To 15', Add	7.62	
For Elevated Installation >15' To 20', Add	15.25	
For Elevated Installation >20' To 25', Add	19.06	
For Elevated Installation >25' To 30', Add	26.68	
For Elevated Installation >30' To 35', Add	30.49	
For Elevated Installation >35' To 40', Add	38.12	
For Elevated Installation >40', Add	41.93	
For Work In Restricted Working Space, Add	22.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0806 EA 1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	186.18	42.88
For Elevated Installation >10' To 15', Add	8.58	
For Elevated Installation >15' To 20', Add	17.15	
For Elevated Installation >20' To 25', Add	21.44	
For Elevated Installation >25' To 30', Add	30.02	
For Elevated Installation >30' To 35', Add	34.30	
For Elevated Installation >35' To 40', Add	42.88	
For Elevated Installation >40', Add	47.17	
For Work In Restricted Working Space, Add	25.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.73	
26 05 33 13-0807 EA 2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	225.39	47.64
For Elevated Installation >10' To 15', Add	9.53	
For Elevated Installation >15' To 20', Add	19.06	
For Elevated Installation >20' To 25', Add	23.82	
For Elevated Installation >25' To 30', Add	33.35	
For Elevated Installation >30' To 35', Add	38.12	
For Elevated Installation >35' To 40', Add	47.65	
For Elevated Installation >40', Add	52.41	
For Work In Restricted Working Space, Add	28.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.59	
26 05 33 13-0808 EA 2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	316.49	57.18
For Elevated Installation >10' To 15', Add	11.44	
For Elevated Installation >15' To 20', Add	22.87	
For Elevated Installation >20' To 25', Add	28.59	
For Elevated Installation >25' To 30', Add	40.02	
For Elevated Installation >30' To 35', Add	45.74	
For Elevated Installation >35' To 40', Add	57.18	
For Elevated Installation >40', Add	62.89	
For Work In Restricted Working Space, Add	34.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.31	
26 05 33 13-0809 EA 3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	380.32	66.71
For Elevated Installation >10' To 15', Add	13.34	
For Elevated Installation >15' To 20', Add	26.68	
For Elevated Installation >20' To 25', Add	33.35	
For Elevated Installation >25' To 30', Add	46.69	
For Elevated Installation >30' To 35', Add	53.36	
For Elevated Installation >35' To 40', Add	66.70	
For Elevated Installation >40', Add	73.37	
For Work In Restricted Working Space, Add	40.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.02	
26 05 33 13-0810 EA 3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	864.59	76.23
For Elevated Installation >10' To 15', Add	15.25	
For Elevated Installation >15' To 20', Add	30.49	
For Elevated Installation >20' To 25', Add	38.12	
For Elevated Installation >25' To 30', Add	53.36	
For Elevated Installation >30' To 35', Add	60.99	
For Elevated Installation >35' To 40', Add	76.24	
For Elevated Installation >40', Add	83.86	
For Work In Restricted Working Space, Add	45.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.74	
26 05 33 13-0811 EA 4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	995.71	85.76
For Elevated Installation >10' To 15', Add	17.15	
For Elevated Installation >15' To 20', Add	34.31	
For Elevated Installation >20' To 25', Add	42.88	
For Elevated Installation >25' To 30', Add	60.04	
For Elevated Installation >30' To 35', Add	68.61	
For Elevated Installation >35' To 40', Add	85.77	
For Elevated Installation >40', Add	94.34	
For Work In Restricted Working Space, Add	51.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.46	
<b>26 05 33 13-0812 Intermediate Metal Conduit (IMC) Threaded Couplings</b> <small>(26 05 33 13-0723)</small>		
26 05 33 13-0813 EA 1/2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	12.67	4.57
For Elevated Installation >10' To 15', Add	1.14	
For Elevated Installation >15' To 20', Add	2.29	
For Elevated Installation >20' To 25', Add	2.86	
For Elevated Installation >25' To 30', Add	4.00	
For Elevated Installation >30' To 35', Add	4.57	
For Elevated Installation >35' To 40', Add	5.72	
For Elevated Installation >40', Add	6.29	
For Work In Restricted Working Space, Add	3.43	
26 05 33 13-0814 EA 3/4" Intermediate Metal Conduit (IMC) Threaded Coupling.....	17.72	6.48
For Elevated Installation >10' To 15', Add	1.62	
For Elevated Installation >15' To 20', Add	3.24	
For Elevated Installation >20' To 25', Add	4.05	
For Elevated Installation >25' To 30', Add	5.67	
For Elevated Installation >30' To 35', Add	6.48	
For Elevated Installation >35' To 40', Add	8.11	
For Elevated Installation >40', Add	8.92	
For Work In Restricted Working Space, Add	4.86	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0815 EA 1" Intermediate Metal Conduit (IMC) Threaded Coupling .....	23.20	8.38
For Elevated Installation >10' To 15', Add	2.10	
For Elevated Installation >15' To 20', Add	4.19	
For Elevated Installation >20' To 25', Add	5.24	
For Elevated Installation >25' To 30', Add	7.33	
For Elevated Installation >30' To 35', Add	8.38	
For Elevated Installation >35' To 40', Add	10.48	
For Elevated Installation >40', Add	11.52	
For Work In Restricted Working Space, Add	6.29	
26 05 33 13-0816 EA 1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling .....	26.64	9.53
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.77	
For Elevated Installation >20' To 25', Add	5.96	
For Elevated Installation >25' To 30', Add	8.34	
For Elevated Installation >30' To 35', Add	9.53	
For Elevated Installation >35' To 40', Add	11.92	
For Elevated Installation >40', Add	13.11	
For Work In Restricted Working Space, Add	7.15	
26 05 33 13-0817 EA 1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	32.12	11.43
For Elevated Installation >10' To 15', Add	2.86	
For Elevated Installation >15' To 20', Add	5.71	
For Elevated Installation >20' To 25', Add	7.14	
For Elevated Installation >25' To 30', Add	10.00	
For Elevated Installation >30' To 35', Add	11.43	
For Elevated Installation >35' To 40', Add	14.29	
For Elevated Installation >40', Add	15.71	
For Work In Restricted Working Space, Add	8.57	
26 05 33 13-0818 EA 2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	37.08	12.96
For Elevated Installation >10' To 15', Add	3.24	
For Elevated Installation >15' To 20', Add	6.48	
For Elevated Installation >20' To 25', Add	8.10	
For Elevated Installation >25' To 30', Add	11.34	
For Elevated Installation >30' To 35', Add	12.96	
For Elevated Installation >35' To 40', Add	16.21	
For Elevated Installation >40', Add	17.83	
For Work In Restricted Working Space, Add	9.72	
26 05 33 13-0819 EA 2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	46.55	14.48
For Elevated Installation >10' To 15', Add	3.62	
For Elevated Installation >15' To 20', Add	7.24	
For Elevated Installation >20' To 25', Add	9.05	
For Elevated Installation >25' To 30', Add	12.67	
For Elevated Installation >30' To 35', Add	14.48	
For Elevated Installation >35' To 40', Add	18.11	
For Elevated Installation >40', Add	19.92	
For Work In Restricted Working Space, Add	10.86	
26 05 33 13-0820 EA 3" Intermediate Metal Conduit (IMC) Threaded Coupling .....	55.11	16.39
For Elevated Installation >10' To 15', Add	4.10	
For Elevated Installation >15' To 20', Add	8.20	
For Elevated Installation >20' To 25', Add	10.25	
For Elevated Installation >25' To 30', Add	14.34	
For Elevated Installation >30' To 35', Add	16.39	
For Elevated Installation >35' To 40', Add	20.49	
For Elevated Installation >40', Add	22.54	
For Work In Restricted Working Space, Add	12.29	
26 05 33 13-0821 EA 3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	63.68	17.91
For Elevated Installation >10' To 15', Add	4.48	
For Elevated Installation >15' To 20', Add	8.96	
For Elevated Installation >20' To 25', Add	11.20	
For Elevated Installation >25' To 30', Add	15.68	
For Elevated Installation >30' To 35', Add	17.92	
For Elevated Installation >35' To 40', Add	22.40	
For Elevated Installation >40', Add	24.64	
For Work In Restricted Working Space, Add	13.44	
26 05 33 13-0822 EA 4" Intermediate Metal Conduit (IMC) Threaded Coupling .....	66.66	19.06
For Elevated Installation >10' To 15', Add	4.76	
For Elevated Installation >15' To 20', Add	9.53	
For Elevated Installation >20' To 25', Add	11.91	
For Elevated Installation >25' To 30', Add	16.67	
For Elevated Installation >30' To 35', Add	19.05	
For Elevated Installation >35' To 40', Add	23.82	
For Elevated Installation >40', Add	26.20	
For Work In Restricted Working Space, Add	14.29	
<b>26 05 33 13-0823 Intermediate Metal Conduit (IMC) Reducer Bushings</b> <small>(26 05 33 13-0723)</small>		
26 05 33 13-0824 EA 1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing .....	6.15	1.91
For Elevated Installation >10' To 15', Add	0.48	
For Elevated Installation >15' To 20', Add	0.95	
For Elevated Installation >20' To 25', Add	1.19	
For Elevated Installation >25' To 30', Add	1.67	
For Elevated Installation >30' To 35', Add	1.90	
For Elevated Installation >35' To 40', Add	2.38	
For Elevated Installation >40', Add	2.62	
For Work In Restricted Working Space, Add	1.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0825 EA 3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing .....	6.95	1.91
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.48	
<i>For Elevated Installation &gt;15' To 20', Add</i>	0.95	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.19	
<i>For Elevated Installation &gt;25' To 30', Add</i>	1.67	
<i>For Elevated Installation &gt;30' To 35', Add</i>	1.90	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.38	
<i>For Elevated Installation &gt;40', Add</i>	2.62	
<i>For Work In Restricted Working Space, Add</i>	1.43	
 26 05 33 13-0826 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0058)</small>		
<small>Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.</small>		
26 05 33 13-0827 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0826)</small>		
<small>Note: Includes field bending for conduit up to 1".</small>		
26 05 33 13-0828 LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	12.29	2.67
<i>For &gt;500 To 1,000, Deduct</i>	-0.76	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.67	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.33	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.67	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.33	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.67	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.34	
<i>For Elevated Installation &gt;40', Add</i>	3.67	
<i>For Work In Restricted Working Space, Add</i>	2.00	
<i>For &gt;1,000, Deduct</i>	-1.06	
<i>For &gt;250 To 500, Deduct</i>	-0.45	
26 05 33 13-0829 LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	14.13	3.05
<i>For &gt;500 To 1,000, Deduct</i>	-0.87	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.76	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.52	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.91	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.67	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.05	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.81	
<i>For Elevated Installation &gt;40', Add</i>	4.19	
<i>For Work In Restricted Working Space, Add</i>	2.29	
<i>For &gt;1,000, Deduct</i>	-1.22	
<i>For &gt;250 To 500, Deduct</i>	-0.52	
26 05 33 13-0830 LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	17.97	3.81
<i>For &gt;500 To 1,000, Deduct</i>	-1.11	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.95	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.91	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.38	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.81	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.77	
<i>For Elevated Installation &gt;40', Add</i>	5.24	
<i>For Work In Restricted Working Space, Add</i>	2.86	
<i>For &gt;1,000, Deduct</i>	-1.56	
<i>For &gt;250 To 500, Deduct</i>	-0.66	
26 05 33 13-0831 LF 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	22.13	4.57
<i>For &gt;500 To 1,000, Deduct</i>	-1.37	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.14	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.29	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.86	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.57	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.72	
<i>For Elevated Installation &gt;40', Add</i>	6.29	
<i>For Work In Restricted Working Space, Add</i>	3.43	
<i>For &gt;1,000, Deduct</i>	-1.93	
<i>For &gt;250 To 500, Deduct</i>	-0.82	
26 05 33 13-0832 LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	27.29	5.72
<i>For &gt;500 To 1,000, Deduct</i>	-1.69	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.43	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.86	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.57	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.72	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.15	
<i>For Elevated Installation &gt;40', Add</i>	7.86	
<i>For Work In Restricted Working Space, Add</i>	4.29	
<i>For &gt;1,000, Deduct</i>	-2.37	
<i>For &gt;250 To 500, Deduct</i>	-1.01	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0833	LF		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	34.09	6.86
			<i>For &gt;500 To 1,000, Deduct</i>	-2.13	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.58	
			<i>For Elevated Installation &gt;40', Add</i>	9.43	
			<i>For Work In Restricted Working Space, Add</i>	5.15	
			<i>For &gt;1,000, Deduct</i>	-2.98	
			<i>For &gt;250 To 500, Deduct</i>	-1.28	
26 05 33 13-0834	LF		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	45.70	8.00
			<i>For &gt;500 To 1,000, Deduct</i>	-2.93	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.00	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.00	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.00	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.00	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.01	
			<i>For Elevated Installation &gt;40', Add</i>	11.01	
			<i>For Work In Restricted Working Space, Add</i>	6.00	
			<i>For &gt;1,000, Deduct</i>	-4.07	
			<i>For &gt;250 To 500, Deduct</i>	-1.78	
26 05 33 13-0835	LF		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	57.17	9.91
			<i>For &gt;500 To 1,000, Deduct</i>	-3.67	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.91	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.39	
			<i>For Elevated Installation &gt;40', Add</i>	13.62	
			<i>For Work In Restricted Working Space, Add</i>	7.43	
			<i>For &gt;1,000, Deduct</i>	-5.10	
			<i>For &gt;250 To 500, Deduct</i>	-2.24	
26 05 33 13-0836	LF		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	70.12	12.20
			<i>For &gt;500 To 1,000, Deduct</i>	-4.50	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.05	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.10	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.62	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.25	
			<i>For Elevated Installation &gt;40', Add</i>	16.77	
			<i>For Work In Restricted Working Space, Add</i>	9.15	
			<i>For &gt;1,000, Deduct</i>	-6.25	
			<i>For &gt;250 To 500, Deduct</i>	-2.74	
26 05 33 13-0837	LF		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	82.93	14.48
			<i>For &gt;500 To 1,000, Deduct</i>	-5.31	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.24	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.05	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	18.11	
			<i>For Elevated Installation &gt;40', Add</i>	19.92	
			<i>For Work In Restricted Working Space, Add</i>	10.86	
			<i>For &gt;1,000, Deduct</i>	-7.39	
			<i>For &gt;250 To 500, Deduct</i>	-3.24	
26 05 33 13-0838	LF		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	125.68	17.15
			<i>For &gt;500 To 1,000, Deduct</i>	-8.35	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.29	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.58	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.44	
			<i>For Elevated Installation &gt;40', Add</i>	23.58	
			<i>For Work In Restricted Working Space, Add</i>	12.86	
			<i>For &gt;1,000, Deduct</i>	-11.50	
			<i>For &gt;250 To 500, Deduct</i>	-5.21	
26 05 33 13-0839	LF		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	170.64	22.87
			<i>For &gt;500 To 1,000, Deduct</i>	-11.37	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.30	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.87	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.59	
			<i>For Elevated Installation &gt;40', Add</i>	31.45	
			<i>For Work In Restricted Working Space, Add</i>	17.15	
			<i>For &gt;1,000, Deduct</i>	-15.63	
			<i>For &gt;250 To 500, Deduct</i>	-7.10	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0840	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings <small>(26 05 33 13-0826)</small>		
26 05 33 13-0841	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	17.37	5.72
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.14	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.29	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.86	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	4.00	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	4.57	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	5.72	
	<i>For Elevated Installation &gt;40', Add</i>	6.29	
	<i>For Work In Restricted Working Space, Add</i>	3.43	
26 05 33 13-0842	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	22.42	8.10
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.62	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.24	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	4.05	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	5.67	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	6.48	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	8.10	
	<i>For Elevated Installation &gt;40', Add</i>	8.91	
	<i>For Work In Restricted Working Space, Add</i>	4.86	
26 05 33 13-0843	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	29.04	10.48
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.10	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	4.19	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	5.24	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	7.34	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	8.38	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	10.48	
	<i>For Elevated Installation &gt;40', Add</i>	11.53	
	<i>For Work In Restricted Working Space, Add</i>	6.29	
26 05 33 13-0844	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	33.24	11.92
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.38	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	4.76	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	5.96	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	8.34	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	9.53	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	11.91	
	<i>For Elevated Installation &gt;40', Add</i>	13.10	
	<i>For Work In Restricted Working Space, Add</i>	7.15	
26 05 33 13-0845	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	39.78	14.29
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
	<i>For Elevated Installation &gt;40', Add</i>	15.72	
	<i>For Work In Restricted Working Space, Add</i>	8.57	
26 05 33 13-0846	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	48.79	16.20
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.24	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	6.48	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	8.10	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	11.34	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	12.96	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	16.20	
	<i>For Elevated Installation &gt;40', Add</i>	17.82	
	<i>For Work In Restricted Working Space, Add</i>	9.72	
26 05 33 13-0847	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	76.78	16.20
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.62	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	7.24	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	9.05	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	12.67	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	14.48	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	18.11	
	<i>For Elevated Installation &gt;40', Add</i>	19.92	
	<i>For Work In Restricted Working Space, Add</i>	10.86	
26 05 33 13-0848	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	90.24	22.40
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.10	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	8.19	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	10.24	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	14.34	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	16.39	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	20.49	
	<i>For Elevated Installation &gt;40', Add</i>	22.53	
	<i>For Work In Restricted Working Space, Add</i>	12.29	
26 05 33 13-0849	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	107.99	22.40
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.48	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	8.96	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	11.20	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	15.67	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	17.91	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	22.39	
	<i>For Elevated Installation &gt;40', Add</i>	24.63	
	<i>For Work In Restricted Working Space, Add</i>	13.43	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0850 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	121.54	23.82
For Elevated Installation >10' To 15', Add	4.76	
For Elevated Installation >15' To 20', Add	9.53	
For Elevated Installation >20' To 25', Add	11.91	
For Elevated Installation >25' To 30', Add	16.67	
For Elevated Installation >30' To 35', Add	19.06	
For Elevated Installation >35' To 40', Add	23.82	
For Elevated Installation >40', Add	26.20	
For Work In Restricted Working Space, Add	14.29	
26 05 33 13-0851 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	298.00	28.58
For Elevated Installation >10' To 15', Add	5.72	
For Elevated Installation >15' To 20', Add	11.44	
For Elevated Installation >20' To 25', Add	14.30	
For Elevated Installation >25' To 30', Add	20.01	
For Elevated Installation >30' To 35', Add	22.87	
For Elevated Installation >35' To 40', Add	28.59	
For Elevated Installation >40', Add	31.45	
For Work In Restricted Working Space, Add	17.15	
26 05 33 13-0852 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	335.72	33.35
For Elevated Installation >10' To 15', Add	6.67	
For Elevated Installation >15' To 20', Add	13.34	
For Elevated Installation >20' To 25', Add	16.68	
For Elevated Installation >25' To 30', Add	23.35	
For Elevated Installation >30' To 35', Add	26.68	
For Elevated Installation >35' To 40', Add	33.36	
For Elevated Installation >40', Add	36.69	
For Work In Restricted Working Space, Add	20.01	
<b>26 05 33 13-0853 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows</b> <small>(26 05 33 13-0826)</small>		
Note: 90, 45, or 30 degree.		
26 05 33 13-0854 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	51.78	15.49
For Elevated Installation >10' To 15', Add	3.10	
For Elevated Installation >15' To 20', Add	6.19	
For Elevated Installation >20' To 25', Add	7.74	
For Elevated Installation >25' To 30', Add	10.84	
For Elevated Installation >30' To 35', Add	12.39	
For Elevated Installation >35' To 40', Add	15.49	
For Elevated Installation >40', Add	17.03	
For Work In Restricted Working Space, Add	9.29	
26 05 33 13-0855 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	60.01	19.20
For Elevated Installation >10' To 15', Add	3.84	
For Elevated Installation >15' To 20', Add	7.68	
For Elevated Installation >20' To 25', Add	9.60	
For Elevated Installation >25' To 30', Add	13.44	
For Elevated Installation >30' To 35', Add	15.36	
For Elevated Installation >35' To 40', Add	19.20	
For Elevated Installation >40', Add	21.12	
For Work In Restricted Working Space, Add	11.52	
26 05 33 13-0856 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	71.85	23.54
For Elevated Installation >10' To 15', Add	4.71	
For Elevated Installation >15' To 20', Add	9.41	
For Elevated Installation >20' To 25', Add	11.77	
For Elevated Installation >25' To 30', Add	16.47	
For Elevated Installation >30' To 35', Add	18.83	
For Elevated Installation >35' To 40', Add	23.54	
For Elevated Installation >40', Add	25.89	
For Work In Restricted Working Space, Add	14.12	
26 05 33 13-0857 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	84.96	27.25
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.90	
For Elevated Installation >20' To 25', Add	13.63	
For Elevated Installation >25' To 30', Add	19.08	
For Elevated Installation >30' To 35', Add	21.80	
For Elevated Installation >35' To 40', Add	27.26	
For Elevated Installation >40', Add	29.98	
For Work In Restricted Working Space, Add	16.35	
26 05 33 13-0858 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	99.36	30.97
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	
For Work In Restricted Working Space, Add	18.58	
26 05 33 13-0859 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	120.36	34.07
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
For Work In Restricted Working Space, Add	20.44	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0860 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	183.87	42.74
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
For Work In Restricted Working Space, Add	25.64	
26 05 33 13-0861 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	273.67	58.22
For Elevated Installation >10' To 15', Add	11.64	
For Elevated Installation >15' To 20', Add	23.29	
For Elevated Installation >20' To 25', Add	29.11	
For Elevated Installation >25' To 30', Add	40.75	
For Elevated Installation >30' To 35', Add	46.58	
For Elevated Installation >35' To 40', Add	58.22	
For Elevated Installation >40', Add	64.04	
For Work In Restricted Working Space, Add	34.93	
26 05 33 13-0862 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	337.62	65.65
For Elevated Installation >10' To 15', Add	13.13	
For Elevated Installation >15' To 20', Add	26.26	
For Elevated Installation >20' To 25', Add	32.83	
For Elevated Installation >25' To 30', Add	45.96	
For Elevated Installation >30' To 35', Add	52.52	
For Elevated Installation >35' To 40', Add	65.66	
For Elevated Installation >40', Add	72.22	
For Work In Restricted Working Space, Add	39.39	
26 05 33 13-0863 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	389.04	85.47
For Elevated Installation >10' To 15', Add	17.10	
For Elevated Installation >15' To 20', Add	34.19	
For Elevated Installation >20' To 25', Add	42.74	
For Elevated Installation >25' To 30', Add	59.83	
For Elevated Installation >30' To 35', Add	68.38	
For Elevated Installation >35' To 40', Add	85.48	
For Elevated Installation >40', Add	94.02	
For Work In Restricted Working Space, Add	51.29	
26 05 33 13-0864 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	804.27	139.36
For Elevated Installation >10' To 15', Add	27.87	
For Elevated Installation >15' To 20', Add	55.74	
For Elevated Installation >20' To 25', Add	69.68	
For Elevated Installation >25' To 30', Add	97.55	
For Elevated Installation >30' To 35', Add	111.49	
For Elevated Installation >35' To 40', Add	139.36	
For Elevated Installation >40', Add	153.30	
For Work In Restricted Working Space, Add	83.62	
26 05 33 13-0865 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	1,263.48	209.36
For Elevated Installation >10' To 15', Add	41.87	
For Elevated Installation >15' To 20', Add	83.74	
For Elevated Installation >20' To 25', Add	104.68	
For Elevated Installation >25' To 30', Add	146.55	
For Elevated Installation >30' To 35', Add	167.48	
For Elevated Installation >35' To 40', Add	209.36	
For Elevated Installation >40', Add	230.29	
For Work In Restricted Working Space, Add	125.61	
<b>26 05 33 13-0866 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-0867 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	120.90	23.54
For Elevated Installation >10' To 15', Add	4.71	
For Elevated Installation >15' To 20', Add	9.41	
For Elevated Installation >20' To 25', Add	11.77	
For Elevated Installation >25' To 30', Add	16.47	
For Elevated Installation >30' To 35', Add	18.83	
For Elevated Installation >35' To 40', Add	23.54	
For Elevated Installation >40', Add	25.89	
For Work In Restricted Working Space, Add	14.12	
26 05 33 13-0868 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	136.18	27.25
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.90	
For Elevated Installation >20' To 25', Add	13.63	
For Elevated Installation >25' To 30', Add	19.08	
For Elevated Installation >30' To 35', Add	21.80	
For Elevated Installation >35' To 40', Add	27.26	
For Elevated Installation >40', Add	29.98	
For Work In Restricted Working Space, Add	16.35	
26 05 33 13-0869 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	155.43	30.97
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	
For Work In Restricted Working Space, Add	18.58	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0870 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	185.06	34.07
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
For Work In Restricted Working Space, Add	20.44	
26 05 33 13-0871 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	257.10	42.74
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
For Work In Restricted Working Space, Add	25.64	
<b>26 05 33 13-0872 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-0873 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	134.17	23.54
For Elevated Installation >10' To 15', Add	4.71	
For Elevated Installation >15' To 20', Add	9.41	
For Elevated Installation >20' To 25', Add	11.77	
For Elevated Installation >25' To 30', Add	16.47	
For Elevated Installation >30' To 35', Add	18.83	
For Elevated Installation >35' To 40', Add	23.54	
For Elevated Installation >40', Add	25.89	
For Work In Restricted Working Space, Add	14.12	
26 05 33 13-0874 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	158.10	27.25
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.90	
For Elevated Installation >20' To 25', Add	13.63	
For Elevated Installation >25' To 30', Add	19.08	
For Elevated Installation >30' To 35', Add	21.80	
For Elevated Installation >35' To 40', Add	27.26	
For Elevated Installation >40', Add	29.98	
For Work In Restricted Working Space, Add	16.35	
26 05 33 13-0875 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	171.15	30.97
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	
For Work In Restricted Working Space, Add	18.58	
26 05 33 13-0876 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	219.33	34.07
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
For Work In Restricted Working Space, Add	20.44	
26 05 33 13-0877 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	290.14	42.74
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
For Work In Restricted Working Space, Add	25.64	
26 05 33 13-0878 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	371.68	58.22
For Elevated Installation >10' To 15', Add	11.64	
For Elevated Installation >15' To 20', Add	23.29	
For Elevated Installation >20' To 25', Add	29.11	
For Elevated Installation >25' To 30', Add	40.75	
For Elevated Installation >30' To 35', Add	46.58	
For Elevated Installation >35' To 40', Add	58.22	
For Elevated Installation >40', Add	64.04	
For Work In Restricted Working Space, Add	34.93	

**26 05 33 13-0879 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel  
(RGS) 18" Large Radius Elbows** (26 05 33 13-0826)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0880 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	150.03	23.54
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.71	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.41	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.77	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.47	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.83	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.54	
<i>For Elevated Installation &gt;40', Add</i>	25.89	
<i>For Work In Restricted Working Space, Add</i>	14.12	
26 05 33 13-0881 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	169.51	27.25
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.45	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.90	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.63	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.08	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.80	
<i>For Elevated Installation &gt;35' To 40', Add</i>	27.26	
<i>For Elevated Installation &gt;40', Add</i>	29.98	
<i>For Work In Restricted Working Space, Add</i>	16.35	
26 05 33 13-0882 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	191.32	30.97
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.39	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.49	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	24.78	
<i>For Elevated Installation &gt;35' To 40', Add</i>	30.97	
<i>For Elevated Installation &gt;40', Add</i>	34.07	
<i>For Work In Restricted Working Space, Add</i>	18.58	
26 05 33 13-0883 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	230.70	34.07
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63	
<i>For Elevated Installation &gt;20' To 25', Add</i>	17.03	
<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85	
<i>For Elevated Installation &gt;30' To 35', Add</i>	27.25	
<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07	
<i>For Elevated Installation &gt;40', Add</i>	37.47	
<i>For Work In Restricted Working Space, Add</i>	20.44	
26 05 33 13-0884 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	328.12	42.74
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.55	
<i>For Elevated Installation &gt;15' To 20', Add</i>	17.09	
<i>For Elevated Installation &gt;20' To 25', Add</i>	21.37	
<i>For Elevated Installation &gt;25' To 30', Add</i>	29.91	
<i>For Elevated Installation &gt;30' To 35', Add</i>	34.19	
<i>For Elevated Installation &gt;35' To 40', Add</i>	42.74	
<i>For Elevated Installation &gt;40', Add</i>	47.01	
<i>For Work In Restricted Working Space, Add</i>	25.64	
26 05 33 13-0885 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	416.27	58.22
<i>For Elevated Installation &gt;10' To 15', Add</i>	11.64	
<i>For Elevated Installation &gt;15' To 20', Add</i>	23.29	
<i>For Elevated Installation &gt;20' To 25', Add</i>	29.11	
<i>For Elevated Installation &gt;25' To 30', Add</i>	40.75	
<i>For Elevated Installation &gt;30' To 35', Add</i>	46.58	
<i>For Elevated Installation &gt;35' To 40', Add</i>	58.22	
<i>For Elevated Installation &gt;40', Add</i>	64.04	
<i>For Work In Restricted Working Space, Add</i>	34.93	
26 05 33 13-0886 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	524.34	65.65
<i>For Elevated Installation &gt;10' To 15', Add</i>	13.13	
<i>For Elevated Installation &gt;15' To 20', Add</i>	26.26	
<i>For Elevated Installation &gt;20' To 25', Add</i>	32.83	
<i>For Elevated Installation &gt;25' To 30', Add</i>	45.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	52.52	
<i>For Elevated Installation &gt;35' To 40', Add</i>	65.66	
<i>For Elevated Installation &gt;40', Add</i>	72.22	
<i>For Work In Restricted Working Space, Add</i>	39.39	
26 05 33 13-0887 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	592.46	85.47
<i>For Elevated Installation &gt;10' To 15', Add</i>	17.10	
<i>For Elevated Installation &gt;15' To 20', Add</i>	34.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	42.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	59.83	
<i>For Elevated Installation &gt;30' To 35', Add</i>	68.38	
<i>For Elevated Installation &gt;35' To 40', Add</i>	85.48	
<i>For Elevated Installation &gt;40', Add</i>	94.02	
<i>For Work In Restricted Working Space, Add</i>	51.29	
<b>26 05 33 13-0888 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-0889 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	177.43	23.54
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.71	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.41	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.77	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.47	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.83	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.54	
<i>For Elevated Installation &gt;40', Add</i>	25.89	
<i>For Work In Restricted Working Space, Add</i>	14.12	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0890 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	196.31	27.25
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.90	
For Elevated Installation >20' To 25', Add	13.63	
For Elevated Installation >25' To 30', Add	19.08	
For Elevated Installation >30' To 35', Add	21.80	
For Elevated Installation >35' To 40', Add	27.26	
For Elevated Installation >40', Add	29.98	
For Work In Restricted Working Space, Add	16.35	
26 05 33 13-0891 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	221.74	30.97
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	
For Work In Restricted Working Space, Add	18.58	
26 05 33 13-0892 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	274.51	34.07
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
For Work In Restricted Working Space, Add	20.44	
26 05 33 13-0893 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	396.09	42.74
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
For Work In Restricted Working Space, Add	25.64	
26 05 33 13-0894 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	491.80	58.22
For Elevated Installation >10' To 15', Add	11.64	
For Elevated Installation >15' To 20', Add	23.29	
For Elevated Installation >20' To 25', Add	29.11	
For Elevated Installation >25' To 30', Add	40.75	
For Elevated Installation >30' To 35', Add	46.58	
For Elevated Installation >35' To 40', Add	58.22	
For Elevated Installation >40', Add	64.04	
For Work In Restricted Working Space, Add	34.93	
26 05 33 13-0895 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	570.46	65.65
For Elevated Installation >10' To 15', Add	13.13	
For Elevated Installation >15' To 20', Add	26.26	
For Elevated Installation >20' To 25', Add	32.83	
For Elevated Installation >25' To 30', Add	45.96	
For Elevated Installation >30' To 35', Add	52.52	
For Elevated Installation >35' To 40', Add	65.66	
For Elevated Installation >40', Add	72.22	
For Work In Restricted Working Space, Add	39.39	
26 05 33 13-0896 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	677.13	85.47
For Elevated Installation >10' To 15', Add	17.10	
For Elevated Installation >15' To 20', Add	34.19	
For Elevated Installation >20' To 25', Add	42.74	
For Elevated Installation >25' To 30', Add	59.83	
For Elevated Installation >30' To 35', Add	68.38	
For Elevated Installation >35' To 40', Add	85.48	
For Elevated Installation >40', Add	94.02	
For Work In Restricted Working Space, Add	51.29	
<b>26 05 33 13-0897 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows <small>(26 05 33 13-0826)</small></b>		
26 05 33 13-0898 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	198.76	23.54
For Elevated Installation >10' To 15', Add	4.71	
For Elevated Installation >15' To 20', Add	9.42	
For Elevated Installation >20' To 25', Add	11.77	
For Elevated Installation >25' To 30', Add	16.48	
For Elevated Installation >30' To 35', Add	18.83	
For Elevated Installation >35' To 40', Add	23.54	
For Elevated Installation >40', Add	25.89	
For Work In Restricted Working Space, Add	14.12	
26 05 33 13-0899 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	221.26	27.25
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.90	
For Elevated Installation >20' To 25', Add	13.63	
For Elevated Installation >25' To 30', Add	19.08	
For Elevated Installation >30' To 35', Add	21.80	
For Elevated Installation >35' To 40', Add	27.26	
For Elevated Installation >40', Add	29.98	
For Work In Restricted Working Space, Add	16.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0900 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	251.69	30.97
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	
For Work In Restricted Working Space, Add	18.58	
26 05 33 13-0901 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	312.65	34.07
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
For Work In Restricted Working Space, Add	20.44	
26 05 33 13-0902 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	433.17	42.74
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
For Work In Restricted Working Space, Add	25.64	
26 05 33 13-0903 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	552.23	58.22
For Elevated Installation >10' To 15', Add	11.64	
For Elevated Installation >15' To 20', Add	23.29	
For Elevated Installation >20' To 25', Add	29.11	
For Elevated Installation >25' To 30', Add	40.75	
For Elevated Installation >30' To 35', Add	46.58	
For Elevated Installation >35' To 40', Add	58.22	
For Elevated Installation >40', Add	64.04	
For Work In Restricted Working Space, Add	34.93	
26 05 33 13-0904 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	682.60	65.65
For Elevated Installation >10' To 15', Add	13.13	
For Elevated Installation >15' To 20', Add	26.26	
For Elevated Installation >20' To 25', Add	32.83	
For Elevated Installation >25' To 30', Add	45.96	
For Elevated Installation >30' To 35', Add	52.52	
For Elevated Installation >35' To 40', Add	65.66	
For Elevated Installation >40', Add	72.22	
For Work In Restricted Working Space, Add	39.39	
26 05 33 13-0905 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	754.86	85.47
For Elevated Installation >10' To 15', Add	17.10	
For Elevated Installation >15' To 20', Add	34.19	
For Elevated Installation >20' To 25', Add	42.74	
For Elevated Installation >25' To 30', Add	59.83	
For Elevated Installation >30' To 35', Add	68.38	
For Elevated Installation >35' To 40', Add	85.48	
For Elevated Installation >40', Add	94.02	
For Work In Restricted Working Space, Add	51.29	
26 05 33 13-0906 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	1,258.04	139.36
For Elevated Installation >10' To 15', Add	27.87	
For Elevated Installation >15' To 20', Add	55.74	
For Elevated Installation >20' To 25', Add	69.68	
For Elevated Installation >25' To 30', Add	97.55	
For Elevated Installation >30' To 35', Add	111.49	
For Elevated Installation >35' To 40', Add	139.36	
For Elevated Installation >40', Add	153.30	
For Work In Restricted Working Space, Add	83.62	
<b>26 05 33 13-0907 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows</b> <small>(26 05 33 13-0626)</small>		
26 05 33 13-0908 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	226.63	23.54
For Elevated Installation >10' To 15', Add	4.71	
For Elevated Installation >15' To 20', Add	9.41	
For Elevated Installation >20' To 25', Add	11.77	
For Elevated Installation >25' To 30', Add	16.47	
For Elevated Installation >30' To 35', Add	18.83	
For Elevated Installation >35' To 40', Add	23.54	
For Elevated Installation >40', Add	25.89	
For Work In Restricted Working Space, Add	14.12	
26 05 33 13-0909 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	251.40	27.25
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.90	
For Elevated Installation >20' To 25', Add	13.63	
For Elevated Installation >25' To 30', Add	19.08	
For Elevated Installation >30' To 35', Add	21.80	
For Elevated Installation >35' To 40', Add	27.26	
For Elevated Installation >40', Add	29.98	
For Work In Restricted Working Space, Add	16.35	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0910 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	284.52	30.97
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	
For Work In Restricted Working Space, Add	18.58	
26 05 33 13-0911 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	354.95	34.07
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
For Work In Restricted Working Space, Add	20.44	
26 05 33 13-0912 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	494.96	42.74
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
For Work In Restricted Working Space, Add	25.64	
26 05 33 13-0913 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	629.21	58.22
For Elevated Installation >10' To 15', Add	11.64	
For Elevated Installation >15' To 20', Add	23.29	
For Elevated Installation >20' To 25', Add	29.11	
For Elevated Installation >25' To 30', Add	40.75	
For Elevated Installation >30' To 35', Add	46.58	
For Elevated Installation >35' To 40', Add	58.22	
For Elevated Installation >40', Add	64.04	
For Work In Restricted Working Space, Add	34.93	
26 05 33 13-0914 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	738.80	65.65
For Elevated Installation >10' To 15', Add	13.13	
For Elevated Installation >15' To 20', Add	26.26	
For Elevated Installation >20' To 25', Add	32.83	
For Elevated Installation >25' To 30', Add	45.96	
For Elevated Installation >30' To 35', Add	52.52	
For Elevated Installation >35' To 40', Add	65.66	
For Elevated Installation >40', Add	72.22	
For Work In Restricted Working Space, Add	39.39	
26 05 33 13-0915 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	855.20	85.47
For Elevated Installation >10' To 15', Add	17.10	
For Elevated Installation >15' To 20', Add	34.19	
For Elevated Installation >20' To 25', Add	42.74	
For Elevated Installation >25' To 30', Add	59.83	
For Elevated Installation >30' To 35', Add	68.38	
For Elevated Installation >35' To 40', Add	85.48	
For Elevated Installation >40', Add	94.02	
For Work In Restricted Working Space, Add	51.29	
26 05 33 13-0916 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	1,328.36	139.36
For Elevated Installation >10' To 15', Add	27.87	
For Elevated Installation >15' To 20', Add	55.74	
For Elevated Installation >20' To 25', Add	69.68	
For Elevated Installation >25' To 30', Add	97.55	
For Elevated Installation >30' To 35', Add	111.49	
For Elevated Installation >35' To 40', Add	139.36	
For Elevated Installation >40', Add	153.30	
For Work In Restricted Working Space, Add	83.62	
26 05 33 13-0917 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	1,819.15	209.36
For Elevated Installation >10' To 15', Add	41.87	
For Elevated Installation >15' To 20', Add	83.74	
For Elevated Installation >20' To 25', Add	104.68	
For Elevated Installation >25' To 30', Add	146.55	
For Elevated Installation >30' To 35', Add	167.48	
For Elevated Installation >35' To 40', Add	209.36	
For Elevated Installation >40', Add	230.29	
For Work In Restricted Working Space, Add	125.61	
<b>26 05 33 13-0918 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows</b> <small>(26 05 33 13-0926)</small>		
26 05 33 13-0919 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	265.45	23.54
For Elevated Installation >10' To 15', Add	4.71	
For Elevated Installation >15' To 20', Add	9.42	
For Elevated Installation >20' To 25', Add	11.77	
For Elevated Installation >25' To 30', Add	16.48	
For Elevated Installation >30' To 35', Add	18.83	
For Elevated Installation >35' To 40', Add	23.54	
For Elevated Installation >40', Add	25.89	
For Work In Restricted Working Space, Add	14.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0920 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	278.27	27.25
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.45	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.90	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.63	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.08	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.80	
<i>For Elevated Installation &gt;35' To 40', Add</i>	27.26	
<i>For Elevated Installation &gt;40', Add</i>	29.98	
<i>For Work In Restricted Working Space, Add</i>	16.35	
26 05 33 13-0921 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	328.45	30.97
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.39	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.49	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	24.78	
<i>For Elevated Installation &gt;35' To 40', Add</i>	30.97	
<i>For Elevated Installation &gt;40', Add</i>	34.07	
<i>For Work In Restricted Working Space, Add</i>	18.58	
26 05 33 13-0922 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	413.84	34.07
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63	
<i>For Elevated Installation &gt;20' To 25', Add</i>	17.03	
<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85	
<i>For Elevated Installation &gt;30' To 35', Add</i>	27.25	
<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07	
<i>For Elevated Installation &gt;40', Add</i>	37.47	
<i>For Work In Restricted Working Space, Add</i>	20.44	
26 05 33 13-0923 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	578.29	42.74
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.55	
<i>For Elevated Installation &gt;15' To 20', Add</i>	17.09	
<i>For Elevated Installation &gt;20' To 25', Add</i>	21.37	
<i>For Elevated Installation &gt;25' To 30', Add</i>	29.91	
<i>For Elevated Installation &gt;30' To 35', Add</i>	34.19	
<i>For Elevated Installation &gt;35' To 40', Add</i>	42.74	
<i>For Elevated Installation &gt;40', Add</i>	47.01	
<i>For Work In Restricted Working Space, Add</i>	25.64	
26 05 33 13-0924 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	732.99	58.22
<i>For Elevated Installation &gt;10' To 15', Add</i>	11.64	
<i>For Elevated Installation &gt;15' To 20', Add</i>	23.29	
<i>For Elevated Installation &gt;20' To 25', Add</i>	29.11	
<i>For Elevated Installation &gt;25' To 30', Add</i>	40.75	
<i>For Elevated Installation &gt;30' To 35', Add</i>	46.58	
<i>For Elevated Installation &gt;35' To 40', Add</i>	58.22	
<i>For Elevated Installation &gt;40', Add</i>	64.04	
<i>For Work In Restricted Working Space, Add</i>	34.93	
26 05 33 13-0925 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	895.02	65.65
<i>For Elevated Installation &gt;10' To 15', Add</i>	13.13	
<i>For Elevated Installation &gt;15' To 20', Add</i>	26.26	
<i>For Elevated Installation &gt;20' To 25', Add</i>	32.83	
<i>For Elevated Installation &gt;25' To 30', Add</i>	45.96	
<i>For Elevated Installation &gt;30' To 35', Add</i>	52.52	
<i>For Elevated Installation &gt;35' To 40', Add</i>	65.66	
<i>For Elevated Installation &gt;40', Add</i>	72.22	
<i>For Work In Restricted Working Space, Add</i>	39.39	
26 05 33 13-0926 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	1,050.41	85.47
<i>For Elevated Installation &gt;10' To 15', Add</i>	17.10	
<i>For Elevated Installation &gt;15' To 20', Add</i>	34.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	42.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	59.83	
<i>For Elevated Installation &gt;30' To 35', Add</i>	68.38	
<i>For Elevated Installation &gt;35' To 40', Add</i>	85.48	
<i>For Elevated Installation &gt;40', Add</i>	94.02	
<i>For Work In Restricted Working Space, Add</i>	51.29	
26 05 33 13-0927 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	1,557.74	139.36
<i>For Elevated Installation &gt;10' To 15', Add</i>	27.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	55.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	69.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	97.55	
<i>For Elevated Installation &gt;30' To 35', Add</i>	111.49	
<i>For Elevated Installation &gt;35' To 40', Add</i>	139.36	
<i>For Elevated Installation &gt;40', Add</i>	153.30	
<i>For Work In Restricted Working Space, Add</i>	83.62	
26 05 33 13-0928 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	1,924.45	209.36
<i>For Elevated Installation &gt;10' To 15', Add</i>	41.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	83.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	104.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	146.55	
<i>For Elevated Installation &gt;30' To 35', Add</i>	167.48	
<i>For Elevated Installation &gt;35' To 40', Add</i>	209.36	
<i>For Elevated Installation &gt;40', Add</i>	230.29	
<i>For Work In Restricted Working Space, Add</i>	125.61	
26 05 33 13-0929 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows <small>(26 05 33 13-0826)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0930 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	274.80	23.54
For Elevated Installation >10' To 15', Add	4.71	
For Elevated Installation >15' To 20', Add	9.42	
For Elevated Installation >20' To 25', Add	11.77	
For Elevated Installation >25' To 30', Add	16.48	
For Elevated Installation >30' To 35', Add	18.83	
For Elevated Installation >35' To 40', Add	23.54	
For Elevated Installation >40', Add	25.89	
For Work In Restricted Working Space, Add	14.12	
26 05 33 13-0931 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	323.72	27.25
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.90	
For Elevated Installation >20' To 25', Add	13.63	
For Elevated Installation >25' To 30', Add	19.08	
For Elevated Installation >30' To 35', Add	21.80	
For Elevated Installation >35' To 40', Add	27.26	
For Elevated Installation >40', Add	29.98	
For Work In Restricted Working Space, Add	16.35	
26 05 33 13-0932 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	366.45	30.97
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	
For Work In Restricted Working Space, Add	18.58	
26 05 33 13-0933 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	431.55	34.07
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
For Work In Restricted Working Space, Add	20.44	
26 05 33 13-0934 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	599.10	42.74
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
For Work In Restricted Working Space, Add	25.64	
26 05 33 13-0935 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	764.90	58.22
For Elevated Installation >10' To 15', Add	11.64	
For Elevated Installation >15' To 20', Add	23.29	
For Elevated Installation >20' To 25', Add	29.11	
For Elevated Installation >25' To 30', Add	40.75	
For Elevated Installation >30' To 35', Add	46.58	
For Elevated Installation >35' To 40', Add	58.22	
For Elevated Installation >40', Add	64.04	
For Work In Restricted Working Space, Add	34.93	
26 05 33 13-0936 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	980.10	65.65
For Elevated Installation >10' To 15', Add	13.13	
For Elevated Installation >15' To 20', Add	26.26	
For Elevated Installation >20' To 25', Add	32.83	
For Elevated Installation >25' To 30', Add	45.96	
For Elevated Installation >30' To 35', Add	52.52	
For Elevated Installation >35' To 40', Add	65.66	
For Elevated Installation >40', Add	72.22	
For Work In Restricted Working Space, Add	39.39	
26 05 33 13-0937 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,094.68	85.47
For Elevated Installation >10' To 15', Add	17.10	
For Elevated Installation >15' To 20', Add	34.19	
For Elevated Installation >20' To 25', Add	42.74	
For Elevated Installation >25' To 30', Add	59.83	
For Elevated Installation >30' To 35', Add	68.38	
For Elevated Installation >35' To 40', Add	85.48	
For Elevated Installation >40', Add	94.02	
For Work In Restricted Working Space, Add	51.29	
26 05 33 13-0938 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,619.37	139.36
For Elevated Installation >10' To 15', Add	27.87	
For Elevated Installation >15' To 20', Add	55.74	
For Elevated Installation >20' To 25', Add	69.68	
For Elevated Installation >25' To 30', Add	97.55	
For Elevated Installation >30' To 35', Add	111.49	
For Elevated Installation >35' To 40', Add	139.36	
For Elevated Installation >40', Add	153.30	
For Work In Restricted Working Space, Add	83.62	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0939 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	1,977.95 41.87 83.74 104.68 146.55 167.48 209.36 230.29 125.61	209.36
<i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>		
<b>26 05 33 13-0940 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fittings <sup>(26 05 33 13-0826)</sup></b>		
26 05 33 13-0941 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting .....	100.96 3.10 6.19 7.74 10.84 12.39 15.49 17.03 9.29 9.29	15.49
<i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 05 33 13-0942 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting .....	123.41 4.09 8.18 10.22 14.31 16.35 20.44 22.48 12.26 12.26	20.44
<i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 05 33 13-0943 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting .....	164.94 4.71 9.42 11.77 16.48 18.83 23.54 25.89 14.12 14.12	23.54
<i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 05 33 13-0944 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting .....	272.13 5.45 10.90 13.63 19.08 21.80 27.25 29.98 16.35 16.35	27.25
<i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 05 33 13-0945 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting .....	300.38 6.19 12.39 15.49 21.68 24.78 30.97 34.07 18.58 18.58	30.97
<i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 05 33 13-0946 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting .....	380.09 6.81 13.63 17.03 23.85 27.25 34.07 37.47 20.44 20.44	34.07
<i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 05 33 13-0947 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting .....	1,041.09 8.55 17.09 21.37 29.91 34.19 42.74 47.01 25.64 25.64	42.74
<i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0948 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	1,241.80	58.22
For Elevated Installation >10' To 15', Add	11.65	
For Elevated Installation >15' To 20', Add	23.29	
For Elevated Installation >20' To 25', Add	29.11	
For Elevated Installation >25' To 30', Add	40.76	
For Elevated Installation >30' To 35', Add	46.58	
For Elevated Installation >35' To 40', Add	58.23	
For Elevated Installation >40', Add	64.05	
For Work In Restricted Working Space, Add	34.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.94	
26 05 33 13-0949 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	1,649.08	85.47
For Elevated Installation >10' To 15', Add	17.09	
For Elevated Installation >15' To 20', Add	34.19	
For Elevated Installation >20' To 25', Add	42.74	
For Elevated Installation >25' To 30', Add	59.83	
For Elevated Installation >30' To 35', Add	68.38	
For Elevated Installation >35' To 40', Add	85.47	
For Elevated Installation >40', Add	94.02	
For Work In Restricted Working Space, Add	51.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.28	
<b>26 05 33 13-0950 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fittings</b>		
(26 05 33 13-0926)		
26 05 33 13-0951 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	96.70	15.49
For Elevated Installation >10' To 15', Add	3.10	
For Elevated Installation >15' To 20', Add	6.19	
For Elevated Installation >20' To 25', Add	7.74	
For Elevated Installation >25' To 30', Add	10.84	
For Elevated Installation >30' To 35', Add	12.39	
For Elevated Installation >35' To 40', Add	15.49	
For Elevated Installation >40', Add	17.03	
For Work In Restricted Working Space, Add	9.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.29	
26 05 33 13-0952 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	118.61	20.44
For Elevated Installation >10' To 15', Add	4.09	
For Elevated Installation >15' To 20', Add	8.18	
For Elevated Installation >20' To 25', Add	10.22	
For Elevated Installation >25' To 30', Add	14.31	
For Elevated Installation >30' To 35', Add	16.35	
For Elevated Installation >35' To 40', Add	20.44	
For Elevated Installation >40', Add	22.48	
For Work In Restricted Working Space, Add	12.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.26	
26 05 33 13-0953 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	164.94	23.54
For Elevated Installation >10' To 15', Add	4.71	
For Elevated Installation >15' To 20', Add	9.42	
For Elevated Installation >20' To 25', Add	11.77	
For Elevated Installation >25' To 30', Add	16.48	
For Elevated Installation >30' To 35', Add	18.83	
For Elevated Installation >35' To 40', Add	23.54	
For Elevated Installation >40', Add	25.89	
For Work In Restricted Working Space, Add	14.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.12	
26 05 33 13-0954 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	269.65	27.25
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.90	
For Elevated Installation >20' To 25', Add	13.63	
For Elevated Installation >25' To 30', Add	19.08	
For Elevated Installation >30' To 35', Add	21.80	
For Elevated Installation >35' To 40', Add	27.25	
For Elevated Installation >40', Add	29.98	
For Work In Restricted Working Space, Add	16.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.35	
26 05 33 13-0955 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	290.41	30.97
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	
For Work In Restricted Working Space, Add	18.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.58	
26 05 33 13-0956 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	380.21	34.07
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
For Work In Restricted Working Space, Add	20.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0957 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	998.52	42.74
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.55	
<i>For Elevated Installation &gt;15' To 20', Add</i>	17.09	
<i>For Elevated Installation &gt;20' To 25', Add</i>	21.37	
<i>For Elevated Installation &gt;25' To 30', Add</i>	29.91	
<i>For Elevated Installation &gt;30' To 35', Add</i>	34.19	
<i>For Elevated Installation &gt;35' To 40', Add</i>	42.74	
<i>For Elevated Installation &gt;40', Add</i>	47.01	
<i>For Work In Restricted Working Space, Add</i>	25.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.64	
26 05 33 13-0958 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	1,210.75	58.22
<i>For Elevated Installation &gt;10' To 15', Add</i>	11.65	
<i>For Elevated Installation &gt;15' To 20', Add</i>	23.29	
<i>For Elevated Installation &gt;20' To 25', Add</i>	29.11	
<i>For Elevated Installation &gt;25' To 30', Add</i>	40.76	
<i>For Elevated Installation &gt;30' To 35', Add</i>	46.58	
<i>For Elevated Installation &gt;35' To 40', Add</i>	58.23	
<i>For Elevated Installation &gt;40', Add</i>	64.05	
<i>For Work In Restricted Working Space, Add</i>	34.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.94	
26 05 33 13-0959 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	1,649.01	85.47
<i>For Elevated Installation &gt;10' To 15', Add</i>	17.09	
<i>For Elevated Installation &gt;15' To 20', Add</i>	34.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	42.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	59.83	
<i>For Elevated Installation &gt;30' To 35', Add</i>	68.38	
<i>For Elevated Installation &gt;35' To 40', Add</i>	85.47	
<i>For Elevated Installation &gt;40', Add</i>	94.02	
<i>For Work In Restricted Working Space, Add</i>	51.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.28	
<b>26 05 33 13-0960 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fittings</b> <small>(26 05 33 13-0926)</small>		
26 05 33 13-0961 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	87.28	15.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
<i>For Elevated Installation &gt;40', Add</i>	17.03	
<i>For Work In Restricted Working Space, Add</i>	9.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33 13-0962 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	104.31	20.44
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.09	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.18	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.22	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.31	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.35	
<i>For Elevated Installation &gt;35' To 40', Add</i>	20.44	
<i>For Elevated Installation &gt;40', Add</i>	22.48	
<i>For Work In Restricted Working Space, Add</i>	12.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.26	
26 05 33 13-0963 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	123.15	23.54
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.71	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.42	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.77	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.48	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.83	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.54	
<i>For Elevated Installation &gt;40', Add</i>	25.89	
<i>For Work In Restricted Working Space, Add</i>	14.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.12	
26 05 33 13-0964 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	175.61	27.25
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.45	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.90	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.63	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.08	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.80	
<i>For Elevated Installation &gt;35' To 40', Add</i>	27.25	
<i>For Elevated Installation &gt;40', Add</i>	29.98	
<i>For Work In Restricted Working Space, Add</i>	16.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.35	
26 05 33 13-0965 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	205.23	30.97
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.39	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.49	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	24.78	
<i>For Elevated Installation &gt;35' To 40', Add</i>	30.97	
<i>For Elevated Installation &gt;40', Add</i>	34.07	
<i>For Work In Restricted Working Space, Add</i>	18.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.58	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0966	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting ..... 318.66		34.07
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.03	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	27.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07	
			<i>For Elevated Installation &gt;40', Add</i>	37.47	
			<i>For Work In Restricted Working Space, Add</i>	20.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.44	
26 05 33 13-0967	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting ..... 879.99		42.74
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.55	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.09	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.37	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.91	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	34.19	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	42.74	
			<i>For Elevated Installation &gt;40', Add</i>	47.01	
			<i>For Work In Restricted Working Space, Add</i>	25.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.64	
26 05 33 13-0968	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting ..... 989.34		58.22
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.65	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	23.29	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	29.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	40.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	46.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	58.23	
			<i>For Elevated Installation &gt;40', Add</i>	64.05	
			<i>For Work In Restricted Working Space, Add</i>	34.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.94	
26 05 33 13-0969	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting ..... 1,262.16		85.47
			<i>For Elevated Installation &gt;10' To 15', Add</i>	17.09	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	34.19	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	42.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	59.83	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	68.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	85.47	
			<i>For Elevated Installation &gt;40', Add</i>	94.02	
			<i>For Work In Restricted Working Space, Add</i>	51.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.28	
26 05 33 13-0970			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-0971	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting ..... 150.30		15.49
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.19	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
			<i>For Elevated Installation &gt;40', Add</i>	17.03	
			<i>For Work In Restricted Working Space, Add</i>	9.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33 13-0972	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting ..... 226.86		20.44
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.09	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.18	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.22	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.31	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.35	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.44	
			<i>For Elevated Installation &gt;40', Add</i>	22.48	
			<i>For Work In Restricted Working Space, Add</i>	12.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.26	
26 05 33 13-0973	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting ..... 285.45		23.54
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.71	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.42	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.77	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.48	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.83	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.54	
			<i>For Elevated Installation &gt;40', Add</i>	25.89	
			<i>For Work In Restricted Working Space, Add</i>	14.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0974 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	329.47	27.25
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.90	
For Elevated Installation >20' To 25', Add	13.63	
For Elevated Installation >25' To 30', Add	19.08	
For Elevated Installation >30' To 35', Add	21.80	
For Elevated Installation >35' To 40', Add	27.25	
For Elevated Installation >40', Add	29.98	
For Work In Restricted Working Space, Add	16.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.35	
26 05 33 13-0975 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	374.19	30.97
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	
For Work In Restricted Working Space, Add	18.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.58	
26 05 33 13-0976 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	493.20	34.07
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
For Work In Restricted Working Space, Add	20.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.44	
26 05 33 13-0977 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	1,559.22	42.74
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
For Work In Restricted Working Space, Add	25.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.64	
26 05 33 13-0978 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	1,819.65	58.22
For Elevated Installation >10' To 15', Add	11.65	
For Elevated Installation >15' To 20', Add	23.29	
For Elevated Installation >20' To 25', Add	29.11	
For Elevated Installation >25' To 30', Add	40.76	
For Elevated Installation >30' To 35', Add	46.58	
For Elevated Installation >35' To 40', Add	58.23	
For Elevated Installation >40', Add	64.05	
For Work In Restricted Working Space, Add	34.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.94	
26 05 33 13-0979 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	2,235.73	85.47
For Elevated Installation >10' To 15', Add	17.09	
For Elevated Installation >15' To 20', Add	34.19	
For Elevated Installation >20' To 25', Add	42.74	
For Elevated Installation >25' To 30', Add	59.83	
For Elevated Installation >30' To 35', Add	68.38	
For Elevated Installation >35' To 40', Add	85.47	
For Elevated Installation >40', Add	94.02	
For Work In Restricted Working Space, Add	51.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.28	
<b>26 05 33 13-0980 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fittings</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-0981 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	167.03	15.49
For Elevated Installation >10' To 15', Add	3.10	
For Elevated Installation >15' To 20', Add	6.19	
For Elevated Installation >20' To 25', Add	7.74	
For Elevated Installation >25' To 30', Add	10.84	
For Elevated Installation >30' To 35', Add	12.39	
For Elevated Installation >35' To 40', Add	15.49	
For Elevated Installation >40', Add	17.03	
For Work In Restricted Working Space, Add	9.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.29	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0982	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	242.65	20.44
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.09	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.18	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.22	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	14.31	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	16.35	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	20.44	
		<i>For Elevated Installation &gt;40', Add</i>	22.48	
		<i>For Work In Restricted Working Space, Add</i>	12.26	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.26	
26 05 33 13-0983	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	288.45	23.54
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.71	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.42	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	11.77	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	16.48	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	18.83	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	23.54	
		<i>For Elevated Installation &gt;40', Add</i>	25.89	
		<i>For Work In Restricted Working Space, Add</i>	14.12	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.12	
26 05 33 13-0984	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	334.42	27.25
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.45	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.90	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	13.63	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.08	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	21.80	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	27.25	
		<i>For Elevated Installation &gt;40', Add</i>	29.98	
		<i>For Work In Restricted Working Space, Add</i>	16.35	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.35	
26 05 33 13-0985	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	387.77	30.97
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.19	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.39	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.49	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.68	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	24.78	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	30.97	
		<i>For Elevated Installation &gt;40', Add</i>	34.07	
		<i>For Work In Restricted Working Space, Add</i>	18.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.58	
26 05 33 13-0986	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	612.55	34.07
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.03	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	27.25	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07	
		<i>For Elevated Installation &gt;40', Add</i>	37.47	
		<i>For Work In Restricted Working Space, Add</i>	20.44	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.44	
26 05 33 13-0987	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	1,739.30	42.74
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.55	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.09	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	21.37	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	29.91	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	34.19	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	42.74	
		<i>For Elevated Installation &gt;40', Add</i>	47.01	
		<i>For Work In Restricted Working Space, Add</i>	25.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.64	
26 05 33 13-0988	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	2,448.38	58.22
		<i>For Elevated Installation &gt;10' To 15', Add</i>	11.65	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	23.29	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	29.11	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	40.76	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	46.58	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	58.23	
		<i>For Elevated Installation &gt;40', Add</i>	64.05	
		<i>For Work In Restricted Working Space, Add</i>	34.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0989 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	2,554.02	85.47
<i>For Elevated Installation &gt;10' To 15', Add</i>	17.09	
<i>For Elevated Installation &gt;15' To 20', Add</i>	34.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	42.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	59.83	
<i>For Elevated Installation &gt;30' To 35', Add</i>	68.38	
<i>For Elevated Installation &gt;35' To 40', Add</i>	85.47	
<i>For Elevated Installation &gt;40', Add</i>	94.02	
<i>For Work In Restricted Working Space, Add</i>	51.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.28	
26 05 33 13-0990 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings <small>(26 05 33 13-0826)</small>		
26 05 33 13-0991 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	131.87	15.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
<i>For Elevated Installation &gt;40', Add</i>	17.03	
<i>For Work In Restricted Working Space, Add</i>	9.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33 13-0992 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	166.29	20.44
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.09	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.18	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.22	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.31	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.35	
<i>For Elevated Installation &gt;35' To 40', Add</i>	20.44	
<i>For Elevated Installation &gt;40', Add</i>	22.48	
<i>For Work In Restricted Working Space, Add</i>	12.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.26	
26 05 33 13-0993 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	199.34	23.54
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.71	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.42	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.77	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.48	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.83	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.54	
<i>For Elevated Installation &gt;40', Add</i>	25.89	
<i>For Work In Restricted Working Space, Add</i>	14.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.12	
26 05 33 13-0994 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	220.74	27.25
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.45	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.90	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.63	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.08	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.80	
<i>For Elevated Installation &gt;35' To 40', Add</i>	27.25	
<i>For Elevated Installation &gt;40', Add</i>	29.98	
<i>For Work In Restricted Working Space, Add</i>	16.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.35	
26 05 33 13-0995 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	297.88	30.97
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.39	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.49	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	24.78	
<i>For Elevated Installation &gt;35' To 40', Add</i>	30.97	
<i>For Elevated Installation &gt;40', Add</i>	34.07	
<i>For Work In Restricted Working Space, Add</i>	18.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.58	
26 05 33 13-0996 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	422.06	34.07
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63	
<i>For Elevated Installation &gt;20' To 25', Add</i>	17.03	
<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85	
<i>For Elevated Installation &gt;30' To 35', Add</i>	27.25	
<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07	
<i>For Elevated Installation &gt;40', Add</i>	37.47	
<i>For Work In Restricted Working Space, Add</i>	20.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.44	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-0997	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	1,410.06		42.74
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.55		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.09		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	21.37		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	29.91		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	34.19		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	42.74		
		<i>For Elevated Installation &gt;40', Add</i>	47.01		
		<i>For Work In Restricted Working Space, Add</i>	25.64		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.64		
26 05 33 13-0998	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	1,586.42		58.22
		<i>For Elevated Installation &gt;10' To 15', Add</i>	11.65		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	23.29		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	29.11		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	40.76		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	46.58		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	58.23		
		<i>For Elevated Installation &gt;40', Add</i>	64.05		
		<i>For Work In Restricted Working Space, Add</i>	34.94		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.94		
26 05 33 13-0999	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	1,883.58		85.47
		<i>For Elevated Installation &gt;10' To 15', Add</i>	17.09		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	34.19		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	42.74		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	59.83		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	68.38		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	85.47		
		<i>For Elevated Installation &gt;40', Add</i>	94.02		
		<i>For Work In Restricted Working Space, Add</i>	51.28		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.28		
26 05 33 13-1000		<b>Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover</b> <small>(26 05 33 13-0826)</small>			
		Note: Suitable for use in hazardous locations. Class 1, Div 2.			
26 05 33 13-1001	EA	1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	117.75		29.73
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.95		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.89		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.87		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.81		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.79		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	29.74		
		<i>For Elevated Installation &gt;40', Add</i>	32.71		
		<i>For Work In Restricted Working Space, Add</i>	17.84		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.84		
26 05 33 13-1002	EA	3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	132.76		34.07
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.03		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	27.25		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07		
		<i>For Elevated Installation &gt;40', Add</i>	37.47		
		<i>For Work In Restricted Working Space, Add</i>	20.44		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.44		
26 05 33 13-1003	EA	1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	164.52		39.03
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.81		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.61		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.51		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.32		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	31.22		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	39.03		
		<i>For Elevated Installation &gt;40', Add</i>	42.93		
		<i>For Work In Restricted Working Space, Add</i>	23.42		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.42		
26 05 33 13-1004	EA	1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	215.96		45.21
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.04		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	18.09		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	22.61		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	31.65		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	36.17		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	45.22		
		<i>For Elevated Installation &gt;40', Add</i>	49.74		
		<i>For Work In Restricted Working Space, Add</i>	27.13		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.13		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1005 EA 1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	252.39	49.55
<i>For Elevated Installation &gt;10' To 15', Add</i>	9.91	
<i>For Elevated Installation &gt;15' To 20', Add</i>	19.82	
<i>For Elevated Installation &gt;20' To 25', Add</i>	24.78	
<i>For Elevated Installation &gt;25' To 30', Add</i>	34.69	
<i>For Elevated Installation &gt;30' To 35', Add</i>	39.64	
<i>For Elevated Installation &gt;35' To 40', Add</i>	49.55	
<i>For Elevated Installation &gt;40', Add</i>	54.51	
<i>For Work In Restricted Working Space, Add</i>	29.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.73	
26 05 33 13-1006 EA 2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	344.92	59.47
<i>For Elevated Installation &gt;10' To 15', Add</i>	11.89	
<i>For Elevated Installation &gt;15' To 20', Add</i>	23.79	
<i>For Elevated Installation &gt;20' To 25', Add</i>	29.73	
<i>For Elevated Installation &gt;25' To 30', Add</i>	41.63	
<i>For Elevated Installation &gt;30' To 35', Add</i>	47.57	
<i>For Elevated Installation &gt;35' To 40', Add</i>	59.47	
<i>For Elevated Installation &gt;40', Add</i>	65.41	
<i>For Work In Restricted Working Space, Add</i>	35.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.68	
26 05 33 13-1007 EA 2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	581.97	83.62
<i>For Elevated Installation &gt;10' To 15', Add</i>	16.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	33.45	
<i>For Elevated Installation &gt;20' To 25', Add</i>	41.81	
<i>For Elevated Installation &gt;25' To 30', Add</i>	58.53	
<i>For Elevated Installation &gt;30' To 35', Add</i>	66.90	
<i>For Elevated Installation &gt;35' To 40', Add</i>	83.62	
<i>For Elevated Installation &gt;40', Add</i>	91.98	
<i>For Work In Restricted Working Space, Add</i>	50.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.17	
26 05 33 13-1008 EA 3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	744.70	111.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	22.30	
<i>For Elevated Installation &gt;15' To 20', Add</i>	44.60	
<i>For Elevated Installation &gt;20' To 25', Add</i>	55.75	
<i>For Elevated Installation &gt;25' To 30', Add</i>	78.05	
<i>For Elevated Installation &gt;30' To 35', Add</i>	89.20	
<i>For Elevated Installation &gt;35' To 40', Add</i>	111.50	
<i>For Elevated Installation &gt;40', Add</i>	122.64	
<i>For Work In Restricted Working Space, Add</i>	66.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.90	
26 05 33 13-1009 EA 3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	1,036.71	139.36
<i>For Elevated Installation &gt;10' To 15', Add</i>	27.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	55.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	69.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	97.55	
<i>For Elevated Installation &gt;30' To 35', Add</i>	111.49	
<i>For Elevated Installation &gt;35' To 40', Add</i>	139.36	
<i>For Elevated Installation &gt;40', Add</i>	153.30	
<i>For Work In Restricted Working Space, Add</i>	83.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.62	
26 05 33 13-1010 EA 4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	1,189.08	169.71
<i>For Elevated Installation &gt;10' To 15', Add</i>	33.94	
<i>For Elevated Installation &gt;15' To 20', Add</i>	67.89	
<i>For Elevated Installation &gt;20' To 25', Add</i>	84.86	
<i>For Elevated Installation &gt;25' To 30', Add</i>	118.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	135.77	
<i>For Elevated Installation &gt;35' To 40', Add</i>	169.72	
<i>For Elevated Installation &gt;40', Add</i>	186.69	
<i>For Work In Restricted Working Space, Add</i>	101.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.83	
26 05 33 13-1011 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0826)</small>		
Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-1012 EA 1 1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	153.82	39.03
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.80	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.61	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.51	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.31	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.22	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.02	
<i>For Elevated Installation &gt;40', Add</i>	42.92	
<i>For Work In Restricted Working Space, Add</i>	23.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.41	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1013	EA	3/4"	Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	175.45	43.36
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.67	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.34	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	30.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	34.69	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	43.36	
			<i>For Elevated Installation &gt;40', Add</i>	47.70	
			<i>For Work In Restricted Working Space, Add</i>	26.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.02	
26 05 33 13-1014	EA	1"	Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	214.90	47.69
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	23.85	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	33.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	38.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	47.69	
			<i>For Elevated Installation &gt;40', Add</i>	52.46	
			<i>For Work In Restricted Working Space, Add</i>	28.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.61	
26 05 33 13-1015	EA	1-1/4"	Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	290.11	54.51
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	27.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	38.15	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	43.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	54.51	
			<i>For Elevated Installation &gt;40', Add</i>	59.96	
			<i>For Work In Restricted Working Space, Add</i>	32.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.70	
26 05 33 13-1016	EA	1-1/2"	Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	343.40	59.47
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	23.78	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	29.73	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	41.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	47.57	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	59.46	
			<i>For Elevated Installation &gt;40', Add</i>	65.41	
			<i>For Work In Restricted Working Space, Add</i>	35.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.68	
26 05 33 13-1017	EA	2"	Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	468.62	73.09
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	29.24	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	36.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	51.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	58.47	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	73.09	
			<i>For Elevated Installation &gt;40', Add</i>	80.40	
			<i>For Work In Restricted Working Space, Add</i>	43.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.85	
26 05 33 13-1018			<b>Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover</b> <small>(26 05 33 13-0826)</small>		
			Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-1019	EA	1/2"	Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	135.41	34.07
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.04	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	27.26	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07	
			<i>For Elevated Installation &gt;40', Add</i>	37.48	
			<i>For Work In Restricted Working Space, Add</i>	20.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.44	
26 05 33 13-1020	EA	3/4"	Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	154.41	39.64
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.93	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.82	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.75	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.71	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.64	
			<i>For Elevated Installation &gt;40', Add</i>	43.60	
			<i>For Work In Restricted Working Space, Add</i>	23.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.78	
26 05 33 13-1021	EA	1"	Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	187.37	43.36
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.67	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.34	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	30.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	34.69	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	43.36	
			<i>For Elevated Installation &gt;40', Add</i>	47.70	
			<i>For Work In Restricted Working Space, Add</i>	26.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1022 EA 1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	240.80	49.55
<i>For Elevated Installation &gt;10' To 15', Add</i>	9.91	
<i>For Elevated Installation &gt;15' To 20', Add</i>	19.82	
<i>For Elevated Installation &gt;20' To 25', Add</i>	24.78	
<i>For Elevated Installation &gt;25' To 30', Add</i>	34.69	
<i>For Elevated Installation &gt;30' To 35', Add</i>	39.64	
<i>For Elevated Installation &gt;35' To 40', Add</i>	49.55	
<i>For Elevated Installation &gt;40', Add</i>	54.51	
<i>For Work In Restricted Working Space, Add</i>	29.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.73	
26 05 33 13-1023 EA 1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	285.97	54.51
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.90	
<i>For Elevated Installation &gt;15' To 20', Add</i>	21.80	
<i>For Elevated Installation &gt;20' To 25', Add</i>	27.25	
<i>For Elevated Installation &gt;25' To 30', Add</i>	38.15	
<i>For Elevated Installation &gt;30' To 35', Add</i>	43.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	54.51	
<i>For Elevated Installation &gt;40', Add</i>	59.96	
<i>For Work In Restricted Working Space, Add</i>	32.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.70	
26 05 33 13-1024 EA 2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	384.57	63.80
<i>For Elevated Installation &gt;10' To 15', Add</i>	12.76	
<i>For Elevated Installation &gt;15' To 20', Add</i>	25.52	
<i>For Elevated Installation &gt;20' To 25', Add</i>	31.90	
<i>For Elevated Installation &gt;25' To 30', Add</i>	44.66	
<i>For Elevated Installation &gt;30' To 35', Add</i>	51.04	
<i>For Elevated Installation &gt;35' To 40', Add</i>	63.80	
<i>For Elevated Installation &gt;40', Add</i>	70.18	
<i>For Work In Restricted Working Space, Add</i>	38.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.28	
26 05 33 13-1025 EA 2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	619.90	92.90
<i>For Elevated Installation &gt;10' To 15', Add</i>	18.58	
<i>For Elevated Installation &gt;15' To 20', Add</i>	37.16	
<i>For Elevated Installation &gt;20' To 25', Add</i>	46.46	
<i>For Elevated Installation &gt;25' To 30', Add</i>	65.04	
<i>For Elevated Installation &gt;30' To 35', Add</i>	74.33	
<i>For Elevated Installation &gt;35' To 40', Add</i>	92.91	
<i>For Elevated Installation &gt;40', Add</i>	102.20	
<i>For Work In Restricted Working Space, Add</i>	55.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.75	
26 05 33 13-1026 EA 3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	820.80	120.78
<i>For Elevated Installation &gt;10' To 15', Add</i>	24.16	
<i>For Elevated Installation &gt;15' To 20', Add</i>	48.31	
<i>For Elevated Installation &gt;20' To 25', Add</i>	60.39	
<i>For Elevated Installation &gt;25' To 30', Add</i>	84.54	
<i>For Elevated Installation &gt;30' To 35', Add</i>	96.62	
<i>For Elevated Installation &gt;35' To 40', Add</i>	120.78	
<i>For Elevated Installation &gt;40', Add</i>	132.85	
<i>For Work In Restricted Working Space, Add</i>	72.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.47	
26 05 33 13-1027 EA 3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	1,129.86	148.65
<i>For Elevated Installation &gt;10' To 15', Add</i>	29.73	
<i>For Elevated Installation &gt;15' To 20', Add</i>	59.46	
<i>For Elevated Installation &gt;20' To 25', Add</i>	74.33	
<i>For Elevated Installation &gt;25' To 30', Add</i>	104.06	
<i>For Elevated Installation &gt;30' To 35', Add</i>	118.92	
<i>For Elevated Installation &gt;35' To 40', Add</i>	148.65	
<i>For Elevated Installation &gt;40', Add</i>	163.52	
<i>For Work In Restricted Working Space, Add</i>	89.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.19	
26 05 33 13-1028 EA 4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	1,261.24	179.01
<i>For Elevated Installation &gt;10' To 15', Add</i>	35.80	
<i>For Elevated Installation &gt;15' To 20', Add</i>	71.60	
<i>For Elevated Installation &gt;20' To 25', Add</i>	89.51	
<i>For Elevated Installation &gt;25' To 30', Add</i>	125.31	
<i>For Elevated Installation &gt;30' To 35', Add</i>	143.21	
<i>For Elevated Installation &gt;35' To 40', Add</i>	179.01	
<i>For Elevated Installation &gt;40', Add</i>	196.91	
<i>For Work In Restricted Working Space, Add</i>	107.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.41	
<b>26 05 33 13-1029 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1030 EA 1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	28.10	3.72
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.74	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.49	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.86	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.60	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.97	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.72	
<i>For Elevated Installation &gt;40', Add</i>	4.09	
<i>For Work In Restricted Working Space, Add</i>	2.23	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1031	EA		3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	31.51	4.33
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.87	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.04	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.47	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.34	
			<i>For Elevated Installation &gt;40', Add</i>	4.77	
			<i>For Work In Restricted Working Space, Add</i>	2.60	
26 05 33 13-1032	EA		1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	41.10	5.58
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.12	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.23	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.79	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.90	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.46	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.58	
			<i>For Elevated Installation &gt;40', Add</i>	6.13	
			<i>For Work In Restricted Working Space, Add</i>	3.35	
26 05 33 13-1033	EA		1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined .....	52.90	6.81
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.73	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.82	
			<i>For Elevated Installation &gt;40', Add</i>	7.50	
			<i>For Work In Restricted Working Space, Add</i>	4.09	
26 05 33 13-1034	EA		1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined .....	59.18	8.05
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.03	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.44	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.06	
			<i>For Elevated Installation &gt;40', Add</i>	8.86	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
26 05 33 13-1035	EA		2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	73.33	9.29
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.65	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.50	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.29	
			<i>For Elevated Installation &gt;40', Add</i>	10.22	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
26 05 33 13-1036	EA		2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined .....	95.08	10.53
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.21	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.27	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.37	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.42	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.53	
			<i>For Elevated Installation &gt;40', Add</i>	11.58	
			<i>For Work In Restricted Working Space, Add</i>	6.32	
26 05 33 13-1037	EA		3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	103.75	14.86
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.97	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.43	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.41	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.89	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.87	
			<i>For Elevated Installation &gt;40', Add</i>	16.35	
			<i>For Work In Restricted Working Space, Add</i>	8.92	
26 05 33 13-1038	EA		3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined .....	126.27	16.72
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.35	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.36	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.71	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.73	
			<i>For Elevated Installation &gt;40', Add</i>	18.40	
			<i>For Work In Restricted Working Space, Add</i>	10.04	
26 05 33 13-1039	EA		4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	134.93	21.06
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.21	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.42	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.53	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.74	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.84	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.06	
			<i>For Elevated Installation &gt;40', Add</i>	23.16	
			<i>For Work In Restricted Working Space, Add</i>	12.63	

26 05 33 13-1040 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies (26 05 33 13-0826)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1041 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	133.42	29.73
For Elevated Installation >10' To 15', Add	5.95	
For Elevated Installation >15' To 20', Add	11.89	
For Elevated Installation >20' To 25', Add	14.87	
For Elevated Installation >25' To 30', Add	20.81	
For Elevated Installation >30' To 35', Add	23.79	
For Elevated Installation >35' To 40', Add	29.74	
For Elevated Installation >40', Add	32.71	
For Work In Restricted Working Space, Add	17.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.84	
26 05 33 13-1042 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	147.66	34.07
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
For Work In Restricted Working Space, Add	20.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.44	
26 05 33 13-1043 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	172.52	39.03
For Elevated Installation >10' To 15', Add	7.80	
For Elevated Installation >15' To 20', Add	15.61	
For Elevated Installation >20' To 25', Add	19.51	
For Elevated Installation >25' To 30', Add	27.31	
For Elevated Installation >30' To 35', Add	31.22	
For Elevated Installation >35' To 40', Add	39.02	
For Elevated Installation >40', Add	42.92	
For Work In Restricted Working Space, Add	23.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.41	
26 05 33 13-1044 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body .....	204.86	45.21
For Elevated Installation >10' To 15', Add	9.04	
For Elevated Installation >15' To 20', Add	18.09	
For Elevated Installation >20' To 25', Add	22.61	
For Elevated Installation >25' To 30', Add	31.65	
For Elevated Installation >30' To 35', Add	36.17	
For Elevated Installation >35' To 40', Add	45.22	
For Elevated Installation >40', Add	49.74	
For Work In Restricted Working Space, Add	27.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.13	
26 05 33 13-1045 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body .....	255.51	49.55
For Elevated Installation >10' To 15', Add	9.91	
For Elevated Installation >15' To 20', Add	19.82	
For Elevated Installation >20' To 25', Add	24.78	
For Elevated Installation >25' To 30', Add	34.69	
For Elevated Installation >30' To 35', Add	39.64	
For Elevated Installation >35' To 40', Add	49.55	
For Elevated Installation >40', Add	54.51	
For Work In Restricted Working Space, Add	29.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.73	
26 05 33 13-1046 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	309.70	59.47
For Elevated Installation >10' To 15', Add	11.89	
For Elevated Installation >15' To 20', Add	23.78	
For Elevated Installation >20' To 25', Add	29.73	
For Elevated Installation >25' To 30', Add	41.62	
For Elevated Installation >30' To 35', Add	47.57	
For Elevated Installation >35' To 40', Add	59.46	
For Elevated Installation >40', Add	65.41	
For Work In Restricted Working Space, Add	35.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.68	
26 05 33 13-1047 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body .....	448.69	83.62
For Elevated Installation >10' To 15', Add	16.72	
For Elevated Installation >15' To 20', Add	33.45	
For Elevated Installation >20' To 25', Add	41.81	
For Elevated Installation >25' To 30', Add	58.53	
For Elevated Installation >30' To 35', Add	66.89	
For Elevated Installation >35' To 40', Add	83.62	
For Elevated Installation >40', Add	91.98	
For Work In Restricted Working Space, Add	50.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.17	
26 05 33 13-1048 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	575.01	111.49
For Elevated Installation >10' To 15', Add	22.30	
For Elevated Installation >15' To 20', Add	44.60	
For Elevated Installation >20' To 25', Add	55.75	
For Elevated Installation >25' To 30', Add	78.04	
For Elevated Installation >30' To 35', Add	89.19	
For Elevated Installation >35' To 40', Add	111.49	
For Elevated Installation >40', Add	122.64	
For Work In Restricted Working Space, Add	66.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.89	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1049	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,156.88	139.36
			<i>For Elevated Installation &gt;10' To 15', Add</i>	27.87	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	55.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	69.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	97.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	111.49	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	139.36	
			<i>For Elevated Installation &gt;40', Add</i>	153.30	
			<i>For Work In Restricted Working Space, Add</i>	83.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.62	
26 05 33 13-1050	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,696.87	169.71
			<i>For Elevated Installation &gt;10' To 15', Add</i>	33.94	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	67.89	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	84.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	118.80	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	135.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	169.72	
			<i>For Elevated Installation &gt;40', Add</i>	186.69	
			<i>For Work In Restricted Working Space, Add</i>	101.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.83	
26 05 33 13-1051			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1052	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	229.68	29.73
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.89	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.81	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.79	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	29.74	
			<i>For Elevated Installation &gt;40', Add</i>	32.71	
			<i>For Work In Restricted Working Space, Add</i>	17.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.84	
26 05 33 13-1053	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	247.18	34.07
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.03	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	27.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07	
			<i>For Elevated Installation &gt;40', Add</i>	37.47	
			<i>For Work In Restricted Working Space, Add</i>	20.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.44	
26 05 33 13-1054	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	282.26	39.03
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.80	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.61	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.31	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.02	
			<i>For Elevated Installation &gt;40', Add</i>	42.92	
			<i>For Work In Restricted Working Space, Add</i>	23.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.41	
26 05 33 13-1055	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	315.85	45.21
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.09	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.61	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.17	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.22	
			<i>For Elevated Installation &gt;40', Add</i>	49.74	
			<i>For Work In Restricted Working Space, Add</i>	27.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.13	
26 05 33 13-1056	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	383.28	49.55
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.91	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.82	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.78	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.69	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	39.64	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	49.55	
			<i>For Elevated Installation &gt;40', Add</i>	54.51	
			<i>For Work In Restricted Working Space, Add</i>	29.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.73	
26 05 33 13-1057	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	431.24	59.47
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	23.78	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	29.73	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	41.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	47.57	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	59.46	
			<i>For Elevated Installation &gt;40', Add</i>	65.41	
			<i>For Work In Restricted Working Space, Add</i>	35.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1058 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body .....	606.72	83.62
<i>For Elevated Installation &gt;10' To 15', Add</i>	16.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	33.45	
<i>For Elevated Installation &gt;20' To 25', Add</i>	41.81	
<i>For Elevated Installation &gt;25' To 30', Add</i>	58.53	
<i>For Elevated Installation &gt;30' To 35', Add</i>	66.89	
<i>For Elevated Installation &gt;35' To 40', Add</i>	83.62	
<i>For Elevated Installation &gt;40', Add</i>	91.98	
<i>For Work In Restricted Working Space, Add</i>	50.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.17	
26 05 33 13-1059 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body .....	845.63	111.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	22.30	
<i>For Elevated Installation &gt;15' To 20', Add</i>	44.60	
<i>For Elevated Installation &gt;20' To 25', Add</i>	55.75	
<i>For Elevated Installation &gt;25' To 30', Add</i>	78.04	
<i>For Elevated Installation &gt;30' To 35', Add</i>	89.19	
<i>For Elevated Installation &gt;35' To 40', Add</i>	111.49	
<i>For Elevated Installation &gt;40', Add</i>	122.64	
<i>For Work In Restricted Working Space, Add</i>	66.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.89	
26 05 33 13-1060 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body .....	1,235.47	139.36
<i>For Elevated Installation &gt;10' To 15', Add</i>	27.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	55.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	69.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	97.55	
<i>For Elevated Installation &gt;30' To 35', Add</i>	111.49	
<i>For Elevated Installation &gt;35' To 40', Add</i>	139.36	
<i>For Elevated Installation &gt;40', Add</i>	153.30	
<i>For Work In Restricted Working Space, Add</i>	83.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.62	
26 05 33 13-1061 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body .....	1,799.72	169.71
<i>For Elevated Installation &gt;10' To 15', Add</i>	33.94	
<i>For Elevated Installation &gt;15' To 20', Add</i>	67.89	
<i>For Elevated Installation &gt;20' To 25', Add</i>	84.86	
<i>For Elevated Installation &gt;25' To 30', Add</i>	118.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	135.77	
<i>For Elevated Installation &gt;35' To 40', Add</i>	169.72	
<i>For Elevated Installation &gt;40', Add</i>	186.69	
<i>For Work In Restricted Working Space, Add</i>	101.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.83	
<b>26 05 33 13-1062 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies <small>(26 05 33 13-0926)</small></b>		
26 05 33 13-1063 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body .....	183.34	29.73
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.95	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.89	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.87	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.81	
<i>For Elevated Installation &gt;30' To 35', Add</i>	23.79	
<i>For Elevated Installation &gt;35' To 40', Add</i>	29.74	
<i>For Elevated Installation &gt;40', Add</i>	32.71	
<i>For Work In Restricted Working Space, Add</i>	17.84	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.84	
26 05 33 13-1064 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body .....	195.29	34.07
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63	
<i>For Elevated Installation &gt;20' To 25', Add</i>	17.03	
<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85	
<i>For Elevated Installation &gt;30' To 35', Add</i>	27.25	
<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07	
<i>For Elevated Installation &gt;40', Add</i>	37.47	
<i>For Work In Restricted Working Space, Add</i>	20.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.44	
26 05 33 13-1065 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body .....	224.38	39.03
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.80	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.61	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.51	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.31	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.22	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.02	
<i>For Elevated Installation &gt;40', Add</i>	42.92	
<i>For Work In Restricted Working Space, Add</i>	23.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.41	
26 05 33 13-1066 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body .....	250.21	45.21
<i>For Elevated Installation &gt;10' To 15', Add</i>	9.04	
<i>For Elevated Installation &gt;15' To 20', Add</i>	18.09	
<i>For Elevated Installation &gt;20' To 25', Add</i>	22.61	
<i>For Elevated Installation &gt;25' To 30', Add</i>	31.65	
<i>For Elevated Installation &gt;30' To 35', Add</i>	36.17	
<i>For Elevated Installation &gt;35' To 40', Add</i>	45.22	
<i>For Elevated Installation &gt;40', Add</i>	49.74	
<i>For Work In Restricted Working Space, Add</i>	27.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.13	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1067	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	345.06	49.55
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.91	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.82	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.78	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.69	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	39.64	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	49.55	
			<i>For Elevated Installation &gt;40', Add</i>	54.51	
			<i>For Work In Restricted Working Space, Add</i>	29.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.73	
26 05 33 13-1068	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	433.55	59.47
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	23.78	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	29.73	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	41.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	47.57	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	59.46	
			<i>For Elevated Installation &gt;40', Add</i>	65.41	
			<i>For Work In Restricted Working Space, Add</i>	35.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.68	
26 05 33 13-1069	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	673.92	83.62
			<i>For Elevated Installation &gt;10' To 15', Add</i>	16.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	33.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	41.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	58.53	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	66.89	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	83.62	
			<i>For Elevated Installation &gt;40', Add</i>	91.98	
			<i>For Work In Restricted Working Space, Add</i>	50.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.17	
26 05 33 13-1070	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	982.36	111.49
			<i>For Elevated Installation &gt;10' To 15', Add</i>	22.30	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	44.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	55.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	78.04	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	89.19	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	111.49	
			<i>For Elevated Installation &gt;40', Add</i>	122.64	
			<i>For Work In Restricted Working Space, Add</i>	66.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.89	
26 05 33 13-1071	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	1,235.47	139.36
			<i>For Elevated Installation &gt;10' To 15', Add</i>	27.87	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	55.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	69.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	97.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	111.49	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	139.36	
			<i>For Elevated Installation &gt;40', Add</i>	153.30	
			<i>For Work In Restricted Working Space, Add</i>	83.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.62	
26 05 33 13-1072			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies</b> <small>(26 05 33 13-0626)</small>		
26 05 33 13-1073	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	243.28	29.73
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.89	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.81	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.79	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	29.74	
			<i>For Elevated Installation &gt;40', Add</i>	32.71	
			<i>For Work In Restricted Working Space, Add</i>	17.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.84	
26 05 33 13-1074	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	269.87	34.07
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.03	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	27.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07	
			<i>For Elevated Installation &gt;40', Add</i>	37.47	
			<i>For Work In Restricted Working Space, Add</i>	20.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.44	
26 05 33 13-1075	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	334.75	39.03
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.80	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.61	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.31	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.02	
			<i>For Elevated Installation &gt;40', Add</i>	42.92	
			<i>For Work In Restricted Working Space, Add</i>	23.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.41	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1076	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body .....	412.92	45.21
				<i>For Elevated Installation &gt;10' To 15', Add</i>	9.04	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	18.09	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	22.61	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	31.65	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	36.17	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	45.22	
				<i>For Elevated Installation &gt;40', Add</i>	49.74	
				<i>For Work In Restricted Working Space, Add</i>	27.13	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.13	
26 05 33 13-1077	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body .....	574.95	49.55
				<i>For Elevated Installation &gt;10' To 15', Add</i>	9.91	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	19.82	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	24.78	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	34.69	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	39.64	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	49.55	
				<i>For Elevated Installation &gt;40', Add</i>	54.51	
				<i>For Work In Restricted Working Space, Add</i>	29.73	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.73	
26 05 33 13-1078	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	689.06	59.47
				<i>For Elevated Installation &gt;10' To 15', Add</i>	11.89	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	23.78	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	29.73	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	41.62	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	47.57	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	59.46	
				<i>For Elevated Installation &gt;40', Add</i>	65.41	
				<i>For Work In Restricted Working Space, Add</i>	35.68	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.68	
<b>26 05 33 13-1079 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings</b> <small>(26 05 33 13-0826)</small>						
26 05 33 13-1080	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	46.34	11.92
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.38	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	4.76	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	5.96	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	8.34	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	9.53	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	11.91	
				<i>For Elevated Installation &gt;40', Add</i>	13.10	
				<i>For Work In Restricted Working Space, Add</i>	7.15	
26 05 33 13-1081	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	61.58	14.29
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.86	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	5.72	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	7.15	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	10.00	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	11.43	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	14.29	
				<i>For Elevated Installation &gt;40', Add</i>	15.72	
				<i>For Work In Restricted Working Space, Add</i>	8.57	
26 05 33 13-1082	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	78.17	19.06
				<i>For Elevated Installation &gt;10' To 15', Add</i>	3.81	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	7.62	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	9.53	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	13.34	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	15.24	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	19.06	
				<i>For Elevated Installation &gt;40', Add</i>	20.96	
				<i>For Work In Restricted Working Space, Add</i>	11.43	
26 05 33 13-1083	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	107.77	23.82
				<i>For Elevated Installation &gt;10' To 15', Add</i>	4.76	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	9.53	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	11.91	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	16.67	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	19.06	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	23.82	
				<i>For Elevated Installation &gt;40', Add</i>	26.20	
				<i>For Work In Restricted Working Space, Add</i>	14.29	
26 05 33 13-1084	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	141.66	28.58
				<i>For Elevated Installation &gt;10' To 15', Add</i>	5.72	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	11.44	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	14.30	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	20.01	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	22.87	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	28.59	
				<i>For Elevated Installation &gt;40', Add</i>	31.45	
				<i>For Work In Restricted Working Space, Add</i>	17.15	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1085 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	245.33	33.35
For Elevated Installation >10' To 15', Add	6.67	
For Elevated Installation >15' To 20', Add	13.34	
For Elevated Installation >20' To 25', Add	16.68	
For Elevated Installation >25' To 30', Add	23.35	
For Elevated Installation >30' To 35', Add	26.68	
For Elevated Installation >35' To 40', Add	33.36	
For Elevated Installation >40', Add	36.69	
For Work In Restricted Working Space, Add	20.01	
26 05 33 13-1086 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	357.45	38.11
For Elevated Installation >10' To 15', Add	7.62	
For Elevated Installation >15' To 20', Add	15.25	
For Elevated Installation >20' To 25', Add	19.06	
For Elevated Installation >25' To 30', Add	26.68	
For Elevated Installation >30' To 35', Add	30.49	
For Elevated Installation >35' To 40', Add	38.12	
For Elevated Installation >40', Add	41.93	
For Work In Restricted Working Space, Add	22.87	
26 05 33 13-1087 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	446.39	42.88
For Elevated Installation >10' To 15', Add	8.58	
For Elevated Installation >15' To 20', Add	17.15	
For Elevated Installation >20' To 25', Add	21.44	
For Elevated Installation >25' To 30', Add	30.02	
For Elevated Installation >30' To 35', Add	34.30	
For Elevated Installation >35' To 40', Add	42.88	
For Elevated Installation >40', Add	47.17	
For Work In Restricted Working Space, Add	25.73	
26 05 33 13-1088 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	622.25	50.03
For Elevated Installation >10' To 15', Add	10.01	
For Elevated Installation >15' To 20', Add	20.01	
For Elevated Installation >20' To 25', Add	25.02	
For Elevated Installation >25' To 30', Add	35.02	
For Elevated Installation >30' To 35', Add	40.02	
For Elevated Installation >35' To 40', Add	50.03	
For Elevated Installation >40', Add	55.03	
For Work In Restricted Working Space, Add	30.02	
26 05 33 13-1089 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	755.84	57.18
For Elevated Installation >10' To 15', Add	11.44	
For Elevated Installation >15' To 20', Add	22.87	
For Elevated Installation >20' To 25', Add	28.59	
For Elevated Installation >25' To 30', Add	40.02	
For Elevated Installation >30' To 35', Add	45.74	
For Elevated Installation >35' To 40', Add	57.18	
For Elevated Installation >40', Add	62.89	
For Work In Restricted Working Space, Add	34.31	
26 05 33 13-1090 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	1,209.83	90.53
For Elevated Installation >10' To 15', Add	18.11	
For Elevated Installation >15' To 20', Add	36.21	
For Elevated Installation >20' To 25', Add	45.26	
For Elevated Installation >25' To 30', Add	63.37	
For Elevated Installation >30' To 35', Add	72.42	
For Elevated Installation >35' To 40', Add	90.53	
For Elevated Installation >40', Add	99.58	
For Work In Restricted Working Space, Add	54.32	
26 05 33 13-1091 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	1,652.49	138.17
For Elevated Installation >10' To 15', Add	27.64	
For Elevated Installation >15' To 20', Add	55.27	
For Elevated Installation >20' To 25', Add	69.09	
For Elevated Installation >25' To 30', Add	96.72	
For Elevated Installation >30' To 35', Add	110.54	
For Elevated Installation >35' To 40', Add	138.18	
For Elevated Installation >40', Add	151.99	
For Work In Restricted Working Space, Add	82.91	
<b>26 05 33 13-1092 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1093 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	172.77	29.73
For Elevated Installation >10' To 15', Add	5.95	
For Elevated Installation >15' To 20', Add	11.89	
For Elevated Installation >20' To 25', Add	14.87	
For Elevated Installation >25' To 30', Add	20.81	
For Elevated Installation >30' To 35', Add	23.79	
For Elevated Installation >35' To 40', Add	29.74	
For Elevated Installation >40', Add	32.71	
For Work In Restricted Working Space, Add	17.84	
26 05 33 13-1094 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	204.45	32.83
For Elevated Installation >10' To 15', Add	6.57	
For Elevated Installation >15' To 20', Add	13.13	
For Elevated Installation >20' To 25', Add	16.41	
For Elevated Installation >25' To 30', Add	22.98	
For Elevated Installation >30' To 35', Add	26.26	
For Elevated Installation >35' To 40', Add	32.83	
For Elevated Installation >40', Add	36.11	
For Work In Restricted Working Space, Add	19.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1095 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	225.34	39.03
For Elevated Installation >10' To 15', Add	7.80	
For Elevated Installation >15' To 20', Add	15.61	
For Elevated Installation >20' To 25', Add	19.51	
For Elevated Installation >25' To 30', Add	27.31	
For Elevated Installation >30' To 35', Add	31.22	
For Elevated Installation >35' To 40', Add	39.02	
For Elevated Installation >40', Add	42.92	
For Work In Restricted Working Space, Add	23.41	
26 05 33 13-1096 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	324.83	45.21
For Elevated Installation >10' To 15', Add	9.04	
For Elevated Installation >15' To 20', Add	18.09	
For Elevated Installation >20' To 25', Add	22.61	
For Elevated Installation >25' To 30', Add	31.65	
For Elevated Installation >30' To 35', Add	36.17	
For Elevated Installation >35' To 40', Add	45.22	
For Elevated Installation >40', Add	49.74	
For Work In Restricted Working Space, Add	27.13	
26 05 33 13-1097 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	429.40	49.55
For Elevated Installation >10' To 15', Add	9.91	
For Elevated Installation >15' To 20', Add	19.82	
For Elevated Installation >20' To 25', Add	24.78	
For Elevated Installation >25' To 30', Add	34.69	
For Elevated Installation >30' To 35', Add	39.64	
For Elevated Installation >35' To 40', Add	49.55	
For Elevated Installation >40', Add	54.51	
For Work In Restricted Working Space, Add	29.73	
26 05 33 13-1098 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	462.94	59.47
For Elevated Installation >10' To 15', Add	11.89	
For Elevated Installation >15' To 20', Add	23.78	
For Elevated Installation >20' To 25', Add	29.73	
For Elevated Installation >25' To 30', Add	41.62	
For Elevated Installation >30' To 35', Add	47.57	
For Elevated Installation >35' To 40', Add	59.46	
For Elevated Installation >40', Add	65.41	
For Work In Restricted Working Space, Add	35.68	
26 05 33 13-1099 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,098.77	82.38
For Elevated Installation >10' To 15', Add	16.48	
For Elevated Installation >15' To 20', Add	32.95	
For Elevated Installation >20' To 25', Add	41.19	
For Elevated Installation >25' To 30', Add	57.67	
For Elevated Installation >30' To 35', Add	65.90	
For Elevated Installation >35' To 40', Add	82.38	
For Elevated Installation >40', Add	90.62	
For Work In Restricted Working Space, Add	49.43	
26 05 33 13-1100 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,157.22	111.49
For Elevated Installation >10' To 15', Add	22.30	
For Elevated Installation >15' To 20', Add	44.60	
For Elevated Installation >20' To 25', Add	55.75	
For Elevated Installation >25' To 30', Add	78.05	
For Elevated Installation >30' To 35', Add	89.20	
For Elevated Installation >35' To 40', Add	111.50	
For Elevated Installation >40', Add	122.64	
For Work In Restricted Working Space, Add	66.90	
26 05 33 13-1101 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,896.98	139.36
For Elevated Installation >10' To 15', Add	27.87	
For Elevated Installation >15' To 20', Add	55.75	
For Elevated Installation >20' To 25', Add	69.69	
For Elevated Installation >25' To 30', Add	97.56	
For Elevated Installation >30' To 35', Add	111.50	
For Elevated Installation >35' To 40', Add	139.37	
For Elevated Installation >40', Add	153.31	
For Work In Restricted Working Space, Add	83.62	
26 05 33 13-1102 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,973.38	169.71
For Elevated Installation >10' To 15', Add	33.95	
For Elevated Installation >15' To 20', Add	67.89	
For Elevated Installation >20' To 25', Add	84.86	
For Elevated Installation >25' To 30', Add	118.81	
For Elevated Installation >30' To 35', Add	135.78	
For Elevated Installation >35' To 40', Add	169.73	
For Elevated Installation >40', Add	186.70	
For Work In Restricted Working Space, Add	101.84	
<b>26 05 33 13-1103 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1104 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	253.40	29.73
For Elevated Installation >10' To 15', Add	5.95	
For Elevated Installation >15' To 20', Add	11.89	
For Elevated Installation >20' To 25', Add	14.87	
For Elevated Installation >25' To 30', Add	20.81	
For Elevated Installation >30' To 35', Add	23.79	
For Elevated Installation >35' To 40', Add	29.74	
For Elevated Installation >40', Add	32.71	
For Work In Restricted Working Space, Add	17.84	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1105	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	288.64	34.07
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.03	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	27.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07	
			<i>For Elevated Installation &gt;40', Add</i>	37.47	
			<i>For Work In Restricted Working Space, Add</i>	20.44	
26 05 33 13-1106	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	572.23	39.03
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.80	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.61	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.31	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.02	
			<i>For Elevated Installation &gt;40', Add</i>	42.92	
			<i>For Work In Restricted Working Space, Add</i>	23.41	
26 05 33 13-1107	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	599.88	45.21
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.09	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.61	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.17	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.22	
			<i>For Elevated Installation &gt;40', Add</i>	49.74	
			<i>For Work In Restricted Working Space, Add</i>	27.13	
26 05 33 13-1108	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	821.20	49.55
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.91	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.82	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.78	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.69	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	39.64	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	49.55	
			<i>For Elevated Installation &gt;40', Add</i>	54.51	
			<i>For Work In Restricted Working Space, Add</i>	29.73	
26 05 33 13-1109	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	875.27	59.47
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	23.78	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	29.73	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	41.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	47.57	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	59.46	
			<i>For Elevated Installation &gt;40', Add</i>	65.41	
			<i>For Work In Restricted Working Space, Add</i>	35.68	
26 05 33 13-1110	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	1,685.97	83.62
			<i>For Elevated Installation &gt;10' To 15', Add</i>	16.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	33.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	41.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	58.53	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	66.89	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	83.62	
			<i>For Elevated Installation &gt;40', Add</i>	91.98	
			<i>For Work In Restricted Working Space, Add</i>	50.17	
26 05 33 13-1111	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	1,771.74	111.49
			<i>For Elevated Installation &gt;10' To 15', Add</i>	22.30	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	44.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	55.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	78.04	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	89.19	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	111.49	
			<i>For Elevated Installation &gt;40', Add</i>	122.64	
			<i>For Work In Restricted Working Space, Add</i>	66.89	
26 05 33 13-1112	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	2,597.94	139.36
			<i>For Elevated Installation &gt;10' To 15', Add</i>	27.87	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	55.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	69.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	97.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	111.49	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	139.36	
			<i>For Elevated Installation &gt;40', Add</i>	153.30	
			<i>For Work In Restricted Working Space, Add</i>	83.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1113 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,940.57	169.71
<i>For Elevated Installation &gt;10' To 15', Add</i>	33.94	
<i>For Elevated Installation &gt;15' To 20', Add</i>	67.89	
<i>For Elevated Installation &gt;20' To 25', Add</i>	84.86	
<i>For Elevated Installation &gt;25' To 30', Add</i>	118.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	135.77	
<i>For Elevated Installation &gt;35' To 40', Add</i>	169.72	
<i>For Elevated Installation &gt;40', Add</i>	186.69	
<i>For Work In Restricted Working Space, Add</i>	101.83	
<b>26 05 33 13-1114 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows <small>(26 05 33 13-0826)</small></b>		
26 05 33 13-1115 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow .....	96.80	15.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
<i>For Elevated Installation &gt;40', Add</i>	17.03	
<i>For Work In Restricted Working Space, Add</i>	9.29	
26 05 33 13-1116 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow .....	112.52	19.20
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.84	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.68	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.60	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.44	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.36	
<i>For Elevated Installation &gt;35' To 40', Add</i>	19.20	
<i>For Elevated Installation &gt;40', Add</i>	21.12	
<i>For Work In Restricted Working Space, Add</i>	11.52	
26 05 33 13-1117 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow .....	133.98	23.54
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.71	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.41	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.77	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.47	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.83	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.54	
<i>For Elevated Installation &gt;40', Add</i>	25.89	
<i>For Work In Restricted Working Space, Add</i>	14.12	
26 05 33 13-1118 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow .....	158.22	27.25
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.45	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.90	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.63	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.08	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.80	
<i>For Elevated Installation &gt;35' To 40', Add</i>	27.26	
<i>For Elevated Installation &gt;40', Add</i>	29.98	
<i>For Work In Restricted Working Space, Add</i>	16.35	
<b>26 05 33 13-1119 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows <small>(26 05 33 13-0826)</small></b>		
26 05 33 13-1120 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	75.79	15.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
<i>For Elevated Installation &gt;40', Add</i>	17.03	
<i>For Work In Restricted Working Space, Add</i>	9.29	
26 05 33 13-1121 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	87.31	19.20
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.84	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.68	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.60	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.44	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.36	
<i>For Elevated Installation &gt;35' To 40', Add</i>	19.20	
<i>For Elevated Installation &gt;40', Add</i>	21.12	
<i>For Work In Restricted Working Space, Add</i>	11.52	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-1122	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	121.70	23.54
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.71	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.41	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	11.77	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	16.47	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	18.83	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	23.54	
		<i>For Elevated Installation &gt;40', Add</i>	25.89	
		<i>For Work In Restricted Working Space, Add</i>	14.12	
26 05 33 13-1123	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	158.31	27.25
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.45	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.90	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	13.63	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.08	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	21.80	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	27.26	
		<i>For Elevated Installation &gt;40', Add</i>	29.98	
		<i>For Work In Restricted Working Space, Add</i>	16.35	
26 05 33 13-1124	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	193.21	30.97
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.19	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.39	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.49	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.68	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	24.78	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	30.97	
		<i>For Elevated Installation &gt;40', Add</i>	34.07	
		<i>For Work In Restricted Working Space, Add</i>	18.58	
26 05 33 13-1125	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	279.20	34.07
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.03	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	27.25	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07	
		<i>For Elevated Installation &gt;40', Add</i>	37.47	
		<i>For Work In Restricted Working Space, Add</i>	20.44	
26 05 33 13-1126	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	382.05	42.74
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.55	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.09	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	21.37	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	29.91	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	34.19	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	42.74	
		<i>For Elevated Installation &gt;40', Add</i>	47.01	
		<i>For Work In Restricted Working Space, Add</i>	25.64	

**26 05 33 13-1127 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows**

(26 05 33 13-0826)

26 05 33 13-1128	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	96.85	15.49
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.19	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.74	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
		<i>For Elevated Installation &gt;40', Add</i>	17.03	
		<i>For Work In Restricted Working Space, Add</i>	9.29	
26 05 33 13-1129	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	115.43	19.20
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.84	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.68	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.60	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	13.44	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	15.36	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	19.20	
		<i>For Elevated Installation &gt;40', Add</i>	21.12	
		<i>For Work In Restricted Working Space, Add</i>	11.52	
26 05 33 13-1130	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	134.00	23.54
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.71	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.41	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	11.77	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	16.47	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	18.83	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	23.54	
		<i>For Elevated Installation &gt;40', Add</i>	25.89	
		<i>For Work In Restricted Working Space, Add</i>	14.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1131 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	158.27	27.25
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.45	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.90	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.63	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.08	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.80	
<i>For Elevated Installation &gt;35' To 40', Add</i>	27.26	
<i>For Elevated Installation &gt;40', Add</i>	29.98	
<i>For Work In Restricted Working Space, Add</i>	16.35	
<b>26 05 33 13-1132 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows <small>(26 05 33 13-0826)</small></b>		
26 05 33 13-1133 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	75.87	15.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
<i>For Elevated Installation &gt;40', Add</i>	17.03	
<i>For Work In Restricted Working Space, Add</i>	9.29	
26 05 33 13-1134 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	87.31	19.20
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.84	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.68	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.60	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.44	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.36	
<i>For Elevated Installation &gt;35' To 40', Add</i>	19.20	
<i>For Elevated Installation &gt;40', Add</i>	21.12	
<i>For Work In Restricted Working Space, Add</i>	11.52	
26 05 33 13-1135 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	113.00	23.54
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.71	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.41	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.77	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.47	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.83	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.54	
<i>For Elevated Installation &gt;40', Add</i>	25.89	
<i>For Work In Restricted Working Space, Add</i>	14.12	
26 05 33 13-1136 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	141.42	27.25
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.45	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.90	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.63	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.08	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.80	
<i>For Elevated Installation &gt;35' To 40', Add</i>	27.26	
<i>For Elevated Installation &gt;40', Add</i>	29.98	
<i>For Work In Restricted Working Space, Add</i>	16.35	
26 05 33 13-1137 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	165.70	30.97
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.19	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.39	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.49	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	24.78	
<i>For Elevated Installation &gt;35' To 40', Add</i>	30.97	
<i>For Elevated Installation &gt;40', Add</i>	34.07	
<i>For Work In Restricted Working Space, Add</i>	18.58	
26 05 33 13-1138 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	191.06	34.07
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63	
<i>For Elevated Installation &gt;20' To 25', Add</i>	17.03	
<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85	
<i>For Elevated Installation &gt;30' To 35', Add</i>	27.25	
<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07	
<i>For Elevated Installation &gt;40', Add</i>	37.47	
<i>For Work In Restricted Working Space, Add</i>	20.44	
26 05 33 13-1139 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	359.58	42.74
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.55	
<i>For Elevated Installation &gt;15' To 20', Add</i>	17.09	
<i>For Elevated Installation &gt;20' To 25', Add</i>	21.37	
<i>For Elevated Installation &gt;25' To 30', Add</i>	29.91	
<i>For Elevated Installation &gt;30' To 35', Add</i>	34.19	
<i>For Elevated Installation &gt;35' To 40', Add</i>	42.74	
<i>For Elevated Installation &gt;40', Add</i>	47.01	
<i>For Work In Restricted Working Space, Add</i>	25.64	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1140	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	410.91	58.22
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.64	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	23.29	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	29.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	40.75	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	46.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	58.22	
			<i>For Elevated Installation &gt;40', Add</i>	64.04	
			<i>For Work In Restricted Working Space, Add</i>	34.93	
26 05 33 13-1141	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	442.96	65.65
			<i>For Elevated Installation &gt;10' To 15', Add</i>	13.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	26.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	32.83	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	45.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	52.52	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	65.66	
			<i>For Elevated Installation &gt;40', Add</i>	72.22	
			<i>For Work In Restricted Working Space, Add</i>	39.39	
26 05 33 13-1142	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	545.91	85.47
			<i>For Elevated Installation &gt;10' To 15', Add</i>	17.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	34.19	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	42.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	59.83	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	68.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	85.48	
			<i>For Elevated Installation &gt;40', Add</i>	94.02	
			<i>For Work In Restricted Working Space, Add</i>	51.29	
<b>26 05 33 13-1143 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows</b> <small>(26 05 33 13-0826)</small>					
26 05 33 13-1144	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	159.16	29.73
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.89	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.81	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.79	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	29.74	
			<i>For Elevated Installation &gt;40', Add</i>	32.71	
			<i>For Work In Restricted Working Space, Add</i>	17.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.84	
26 05 33 13-1145	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	171.74	34.07
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.03	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	27.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07	
			<i>For Elevated Installation &gt;40', Add</i>	37.47	
			<i>For Work In Restricted Working Space, Add</i>	20.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.44	
26 05 33 13-1146	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	187.78	39.03
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.80	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.61	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.31	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.02	
			<i>For Elevated Installation &gt;40', Add</i>	42.92	
			<i>For Work In Restricted Working Space, Add</i>	23.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.41	
26 05 33 13-1147	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	253.14	45.21
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.09	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.61	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.17	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.22	
			<i>For Elevated Installation &gt;40', Add</i>	49.74	
			<i>For Work In Restricted Working Space, Add</i>	27.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.13	
26 05 33 13-1148	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	323.12	49.55
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.91	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.82	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.78	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.69	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	39.64	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	49.55	
			<i>For Elevated Installation &gt;40', Add</i>	54.51	
			<i>For Work In Restricted Working Space, Add</i>	29.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.73	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 33 13-1149 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1150 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	192.45	29.73
For Elevated Installation >10' To 15', Add	5.95	
For Elevated Installation >15' To 20', Add	11.89	
For Elevated Installation >20' To 25', Add	14.87	
For Elevated Installation >25' To 30', Add	20.81	
For Elevated Installation >30' To 35', Add	23.79	
For Elevated Installation >35' To 40', Add	29.74	
For Elevated Installation >40', Add	32.71	
For Work In Restricted Working Space, Add	17.84	
26 05 33 13-1151 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	207.07	34.07
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
For Work In Restricted Working Space, Add	20.44	
26 05 33 13-1152 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	242.14	39.03
For Elevated Installation >10' To 15', Add	7.80	
For Elevated Installation >15' To 20', Add	15.61	
For Elevated Installation >20' To 25', Add	19.51	
For Elevated Installation >25' To 30', Add	27.31	
For Elevated Installation >30' To 35', Add	31.22	
For Elevated Installation >35' To 40', Add	39.02	
For Elevated Installation >40', Add	42.92	
For Work In Restricted Working Space, Add	23.41	
26 05 33 13-1153 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	347.50	45.21
For Elevated Installation >10' To 15', Add	9.04	
For Elevated Installation >15' To 20', Add	18.09	
For Elevated Installation >20' To 25', Add	22.61	
For Elevated Installation >25' To 30', Add	31.65	
For Elevated Installation >30' To 35', Add	36.17	
For Elevated Installation >35' To 40', Add	45.22	
For Elevated Installation >40', Add	49.74	
For Work In Restricted Working Space, Add	27.13	
26 05 33 13-1154 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	567.62	49.55
For Elevated Installation >10' To 15', Add	9.91	
For Elevated Installation >15' To 20', Add	19.82	
For Elevated Installation >20' To 25', Add	24.78	
For Elevated Installation >25' To 30', Add	34.69	
For Elevated Installation >30' To 35', Add	39.64	
For Elevated Installation >35' To 40', Add	49.55	
For Elevated Installation >40', Add	54.51	
For Work In Restricted Working Space, Add	29.73	
26 05 33 13-1155 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	612.56	59.47
For Elevated Installation >10' To 15', Add	11.89	
For Elevated Installation >15' To 20', Add	23.78	
For Elevated Installation >20' To 25', Add	29.73	
For Elevated Installation >25' To 30', Add	41.62	
For Elevated Installation >30' To 35', Add	47.57	
For Elevated Installation >35' To 40', Add	59.46	
For Elevated Installation >40', Add	65.41	
For Work In Restricted Working Space, Add	35.68	
<b>26 05 33 13-1156 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1157 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover .....	211.34	29.73
For Elevated Installation >10' To 15', Add	5.95	
For Elevated Installation >15' To 20', Add	11.89	
For Elevated Installation >20' To 25', Add	14.87	
For Elevated Installation >25' To 30', Add	20.81	
For Elevated Installation >30' To 35', Add	23.79	
For Elevated Installation >35' To 40', Add	29.74	
For Elevated Installation >40', Add	32.71	
For Work In Restricted Working Space, Add	17.84	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1158	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	238.58	34.07
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.03	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	27.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07	
			<i>For Elevated Installation &gt;40', Add</i>	37.47	
			<i>For Work In Restricted Working Space, Add</i>	20.44	
26 05 33 13-1159	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	260.12	39.03
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.80	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.61	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.31	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.02	
			<i>For Elevated Installation &gt;40', Add</i>	42.92	
			<i>For Work In Restricted Working Space, Add</i>	23.41	
26 05 33 13-1160	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	365.76	45.21
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.09	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.61	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.17	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.22	
			<i>For Elevated Installation &gt;40', Add</i>	49.74	
			<i>For Work In Restricted Working Space, Add</i>	27.13	
26 05 33 13-1161	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	611.19	49.55
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.91	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.82	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.78	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.69	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	39.64	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	49.55	
			<i>For Elevated Installation &gt;40', Add</i>	54.51	
			<i>For Work In Restricted Working Space, Add</i>	29.73	
26 05 33 13-1162	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	652.55	59.47
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	23.78	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	29.73	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	41.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	47.57	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	59.46	
			<i>For Elevated Installation &gt;40', Add</i>	65.41	
			<i>For Work In Restricted Working Space, Add</i>	35.68	
26 05 33 13-1163			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1164	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	211.49	29.73
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.89	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.81	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.79	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	29.74	
			<i>For Elevated Installation &gt;40', Add</i>	32.71	
			<i>For Work In Restricted Working Space, Add</i>	17.84	
26 05 33 13-1165	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	233.00	34.07
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.03	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	27.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07	
			<i>For Elevated Installation &gt;40', Add</i>	37.47	
			<i>For Work In Restricted Working Space, Add</i>	20.44	
26 05 33 13-1166	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	277.47	39.03
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.80	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.61	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.31	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.02	
			<i>For Elevated Installation &gt;40', Add</i>	42.92	
			<i>For Work In Restricted Working Space, Add</i>	23.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1167 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover .....	379.68	45.21
<i>For Elevated Installation &gt;10' To 15', Add</i>	9.04	
<i>For Elevated Installation &gt;15' To 20', Add</i>	18.09	
<i>For Elevated Installation &gt;20' To 25', Add</i>	22.61	
<i>For Elevated Installation &gt;25' To 30', Add</i>	31.65	
<i>For Elevated Installation &gt;30' To 35', Add</i>	36.17	
<i>For Elevated Installation &gt;35' To 40', Add</i>	45.22	
<i>For Elevated Installation &gt;40', Add</i>	49.74	
<i>For Work In Restricted Working Space, Add</i>	27.13	
26 05 33 13-1168 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover .....	631.96	49.55
<i>For Elevated Installation &gt;10' To 15', Add</i>	9.91	
<i>For Elevated Installation &gt;15' To 20', Add</i>	19.82	
<i>For Elevated Installation &gt;20' To 25', Add</i>	24.78	
<i>For Elevated Installation &gt;25' To 30', Add</i>	34.69	
<i>For Elevated Installation &gt;30' To 35', Add</i>	39.64	
<i>For Elevated Installation &gt;35' To 40', Add</i>	49.55	
<i>For Elevated Installation &gt;40', Add</i>	54.51	
<i>For Work In Restricted Working Space, Add</i>	29.73	
26 05 33 13-1169 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover .....	678.14	59.47
<i>For Elevated Installation &gt;10' To 15', Add</i>	11.89	
<i>For Elevated Installation &gt;15' To 20', Add</i>	23.78	
<i>For Elevated Installation &gt;20' To 25', Add</i>	29.73	
<i>For Elevated Installation &gt;25' To 30', Add</i>	41.62	
<i>For Elevated Installation &gt;30' To 35', Add</i>	47.57	
<i>For Elevated Installation &gt;35' To 40', Add</i>	59.46	
<i>For Elevated Installation &gt;40', Add</i>	65.41	
<i>For Work In Restricted Working Space, Add</i>	35.68	
<b>26 05 33 13-1170 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover (26 05 33 13-0826)</b>		
26 05 33 13-1171 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover .....	263.78	29.73
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.95	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.89	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.87	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.81	
<i>For Elevated Installation &gt;30' To 35', Add</i>	23.79	
<i>For Elevated Installation &gt;35' To 40', Add</i>	29.74	
<i>For Elevated Installation &gt;40', Add</i>	32.71	
<i>For Work In Restricted Working Space, Add</i>	17.84	
26 05 33 13-1172 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover .....	291.14	34.07
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63	
<i>For Elevated Installation &gt;20' To 25', Add</i>	17.03	
<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85	
<i>For Elevated Installation &gt;30' To 35', Add</i>	27.25	
<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07	
<i>For Elevated Installation &gt;40', Add</i>	37.47	
<i>For Work In Restricted Working Space, Add</i>	20.44	
26 05 33 13-1173 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover .....	315.28	39.03
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.80	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.61	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.51	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.31	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.22	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.02	
<i>For Elevated Installation &gt;40', Add</i>	42.92	
<i>For Work In Restricted Working Space, Add</i>	23.41	
26 05 33 13-1174 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover .....	802.34	45.21
<i>For Elevated Installation &gt;10' To 15', Add</i>	9.04	
<i>For Elevated Installation &gt;15' To 20', Add</i>	18.09	
<i>For Elevated Installation &gt;20' To 25', Add</i>	22.61	
<i>For Elevated Installation &gt;25' To 30', Add</i>	31.65	
<i>For Elevated Installation &gt;30' To 35', Add</i>	36.17	
<i>For Elevated Installation &gt;35' To 40', Add</i>	45.22	
<i>For Elevated Installation &gt;40', Add</i>	49.74	
<i>For Work In Restricted Working Space, Add</i>	27.13	

**26 05 33 13-1175 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes (26 05 33 13-0826)**  
 Note: Excludes cover.

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1176 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....	124.34	29.73
For Elevated Installation >10' To 15', Add	5.95	
For Elevated Installation >15' To 20', Add	11.89	
For Elevated Installation >20' To 25', Add	14.87	
For Elevated Installation >25' To 30', Add	20.81	
For Elevated Installation >30' To 35', Add	23.79	
For Elevated Installation >35' To 40', Add	29.74	
For Elevated Installation >40', Add	32.71	
For Work In Restricted Working Space, Add	17.84	
26 05 33 13-1177 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....	136.51	34.07
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
For Work In Restricted Working Space, Add	20.44	
26 05 33 13-1178 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....	152.28	39.03
For Elevated Installation >10' To 15', Add	7.80	
For Elevated Installation >15' To 20', Add	15.61	
For Elevated Installation >20' To 25', Add	19.51	
For Elevated Installation >25' To 30', Add	27.31	
For Elevated Installation >30' To 35', Add	31.22	
For Elevated Installation >35' To 40', Add	39.02	
For Elevated Installation >40', Add	42.92	
For Work In Restricted Working Space, Add	23.41	
26 05 33 13-1179 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....	138.52	29.73
For Elevated Installation >10' To 15', Add	5.95	
For Elevated Installation >15' To 20', Add	11.89	
For Elevated Installation >20' To 25', Add	14.87	
For Elevated Installation >25' To 30', Add	20.81	
For Elevated Installation >30' To 35', Add	23.79	
For Elevated Installation >35' To 40', Add	29.74	
For Elevated Installation >40', Add	32.71	
For Work In Restricted Working Space, Add	17.84	
26 05 33 13-1180 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....	148.91	34.07
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
For Work In Restricted Working Space, Add	20.44	
26 05 33 13-1181 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....	169.51	39.03
For Elevated Installation >10' To 15', Add	7.80	
For Elevated Installation >15' To 20', Add	15.61	
For Elevated Installation >20' To 25', Add	19.51	
For Elevated Installation >25' To 30', Add	27.31	
For Elevated Installation >30' To 35', Add	31.22	
For Elevated Installation >35' To 40', Add	39.02	
For Elevated Installation >40', Add	42.92	
For Work In Restricted Working Space, Add	23.41	

**26 05 33 13-1182 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes** (26 05 33 13-0226)

Note: Excludes cover.

26 05 33 13-1183 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box .....	131.04	29.73
For Elevated Installation >10' To 15', Add	5.95	
For Elevated Installation >15' To 20', Add	11.89	
For Elevated Installation >20' To 25', Add	14.87	
For Elevated Installation >25' To 30', Add	20.81	
For Elevated Installation >30' To 35', Add	23.79	
For Elevated Installation >35' To 40', Add	29.74	
For Elevated Installation >40', Add	32.71	
For Work In Restricted Working Space, Add	17.84	
26 05 33 13-1184 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box .....	144.05	34.07
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
For Work In Restricted Working Space, Add	20.44	
26 05 33 13-1185 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box .....	157.50	39.03
For Elevated Installation >10' To 15', Add	7.80	
For Elevated Installation >15' To 20', Add	15.61	
For Elevated Installation >20' To 25', Add	19.51	
For Elevated Installation >25' To 30', Add	27.31	
For Elevated Installation >30' To 35', Add	31.22	
For Elevated Installation >35' To 40', Add	39.02	
For Elevated Installation >40', Add	42.92	
For Work In Restricted Working Space, Add	23.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1186 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	148.11	29.73
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.95	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.89	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.87	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.81	
<i>For Elevated Installation &gt;30' To 35', Add</i>	23.79	
<i>For Elevated Installation &gt;35' To 40', Add</i>	29.74	
<i>For Elevated Installation &gt;40', Add</i>	32.71	
<i>For Work In Restricted Working Space, Add</i>	17.84	
26 05 33 13-1187 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	161.29	34.07
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63	
<i>For Elevated Installation &gt;20' To 25', Add</i>	17.03	
<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85	
<i>For Elevated Installation &gt;30' To 35', Add</i>	27.25	
<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07	
<i>For Elevated Installation &gt;40', Add</i>	37.47	
<i>For Work In Restricted Working Space, Add</i>	20.44	
26 05 33 13-1188 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	182.25	39.03
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.80	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.61	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.51	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.31	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.22	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.02	
<i>For Elevated Installation &gt;40', Add</i>	42.92	
<i>For Work In Restricted Working Space, Add</i>	23.41	
<b>26 05 33 13-1189 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1190 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover .....	47.57	3.72
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.74	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.49	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.86	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.60	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.97	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.72	
<i>For Elevated Installation &gt;40', Add</i>	4.09	
<i>For Work In Restricted Working Space, Add</i>	2.23	
26 05 33 13-1191 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover.....	64.82	4.33
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.17	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.04	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.47	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.34	
<i>For Elevated Installation &gt;40', Add</i>	4.77	
<i>For Work In Restricted Working Space, Add</i>	2.60	
26 05 33 13-1192 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover.....	61.15	4.33
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.17	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.04	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.47	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.34	
<i>For Elevated Installation &gt;40', Add</i>	4.77	
<i>For Work In Restricted Working Space, Add</i>	2.60	
26 05 33 13-1193 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover.....	54.27	4.33
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.17	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.04	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.47	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.34	
<i>For Elevated Installation &gt;40', Add</i>	4.77	
<i>For Work In Restricted Working Space, Add</i>	2.60	
26 05 33 13-1194 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover.....	267.15	6.20
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.24	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.10	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.96	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.20	
<i>For Elevated Installation &gt;40', Add</i>	6.81	
<i>For Work In Restricted Working Space, Add</i>	3.72	
26 05 33 13-1195 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover.....	237.35	6.20
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.24	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.10	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.96	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.20	
<i>For Elevated Installation &gt;40', Add</i>	6.81	
<i>For Work In Restricted Working Space, Add</i>	3.72	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1196			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies</b> <small>(26 05 33 13-0826)</small>		
			Note: Includes covers.		
26 05 33 13-1197	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	273.63	39.03
			For Elevated Installation >10' To 15', Add	7.80	
			For Elevated Installation >15' To 20', Add	15.61	
			For Elevated Installation >20' To 25', Add	19.51	
			For Elevated Installation >25' To 30', Add	27.31	
			For Elevated Installation >30' To 35', Add	31.22	
			For Elevated Installation >35' To 40', Add	39.02	
			For Elevated Installation >40', Add	42.92	
			For Work In Restricted Working Space, Add	23.41	
26 05 33 13-1198	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	307.12	45.21
			For Elevated Installation >10' To 15', Add	9.04	
			For Elevated Installation >15' To 20', Add	18.09	
			For Elevated Installation >20' To 25', Add	22.61	
			For Elevated Installation >25' To 30', Add	31.65	
			For Elevated Installation >30' To 35', Add	36.17	
			For Elevated Installation >35' To 40', Add	45.22	
			For Elevated Installation >40', Add	49.74	
			For Work In Restricted Working Space, Add	27.13	
26 05 33 13-1199	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	426.23	49.55
			For Elevated Installation >10' To 15', Add	9.91	
			For Elevated Installation >15' To 20', Add	19.82	
			For Elevated Installation >20' To 25', Add	24.78	
			For Elevated Installation >25' To 30', Add	34.69	
			For Elevated Installation >30' To 35', Add	39.64	
			For Elevated Installation >35' To 40', Add	49.55	
			For Elevated Installation >40', Add	54.51	
			For Work In Restricted Working Space, Add	29.73	
26 05 33 13-1200	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	507.82	59.47
			For Elevated Installation >10' To 15', Add	11.89	
			For Elevated Installation >15' To 20', Add	23.78	
			For Elevated Installation >20' To 25', Add	29.73	
			For Elevated Installation >25' To 30', Add	41.62	
			For Elevated Installation >30' To 35', Add	47.57	
			For Elevated Installation >35' To 40', Add	59.46	
			For Elevated Installation >40', Add	65.41	
			For Work In Restricted Working Space, Add	35.68	
26 05 33 13-1201	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	734.00	83.62
			For Elevated Installation >10' To 15', Add	16.72	
			For Elevated Installation >15' To 20', Add	33.45	
			For Elevated Installation >20' To 25', Add	41.81	
			For Elevated Installation >25' To 30', Add	58.53	
			For Elevated Installation >30' To 35', Add	66.89	
			For Elevated Installation >35' To 40', Add	83.62	
			For Elevated Installation >40', Add	91.98	
			For Work In Restricted Working Space, Add	50.17	
26 05 33 13-1202	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	925.16	111.49
			For Elevated Installation >10' To 15', Add	22.30	
			For Elevated Installation >15' To 20', Add	44.60	
			For Elevated Installation >20' To 25', Add	55.75	
			For Elevated Installation >25' To 30', Add	78.04	
			For Elevated Installation >30' To 35', Add	89.19	
			For Elevated Installation >35' To 40', Add	111.49	
			For Elevated Installation >40', Add	122.64	
			For Work In Restricted Working Space, Add	66.89	
26 05 33 13-1203	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	1,360.16	139.36
			For Elevated Installation >10' To 15', Add	27.87	
			For Elevated Installation >15' To 20', Add	55.74	
			For Elevated Installation >20' To 25', Add	69.68	
			For Elevated Installation >25' To 30', Add	97.55	
			For Elevated Installation >30' To 35', Add	111.49	
			For Elevated Installation >35' To 40', Add	139.36	
			For Elevated Installation >40', Add	153.30	
			For Work In Restricted Working Space, Add	83.62	
26 05 33 13-1204	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	1,688.25	169.71
			For Elevated Installation >10' To 15', Add	33.94	
			For Elevated Installation >15' To 20', Add	67.89	
			For Elevated Installation >20' To 25', Add	84.86	
			For Elevated Installation >25' To 30', Add	118.80	
			For Elevated Installation >30' To 35', Add	135.77	
			For Elevated Installation >35' To 40', Add	169.72	
			For Elevated Installation >40', Add	186.69	
			For Work In Restricted Working Space, Add	101.83	
26 05 33 13-1205	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	273.63	39.03
			For Elevated Installation >10' To 15', Add	7.80	
			For Elevated Installation >15' To 20', Add	15.61	
			For Elevated Installation >20' To 25', Add	19.51	
			For Elevated Installation >25' To 30', Add	27.31	
			For Elevated Installation >30' To 35', Add	31.22	
			For Elevated Installation >35' To 40', Add	39.02	
			For Elevated Installation >40', Add	42.92	
			For Work In Restricted Working Space, Add	23.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1206 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body ..... 307.12	307.12	45.21
<i>For Elevated Installation &gt;10' To 15', Add</i>	9.04	
<i>For Elevated Installation &gt;15' To 20', Add</i>	18.09	
<i>For Elevated Installation &gt;20' To 25', Add</i>	22.61	
<i>For Elevated Installation &gt;25' To 30', Add</i>	31.65	
<i>For Elevated Installation &gt;30' To 35', Add</i>	36.17	
<i>For Elevated Installation &gt;35' To 40', Add</i>	45.22	
<i>For Elevated Installation &gt;40', Add</i>	49.74	
<i>For Work In Restricted Working Space, Add</i>	27.13	
26 05 33 13-1207 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body ..... 425.03	425.03	49.55
<i>For Elevated Installation &gt;10' To 15', Add</i>	9.91	
<i>For Elevated Installation &gt;15' To 20', Add</i>	19.82	
<i>For Elevated Installation &gt;20' To 25', Add</i>	24.78	
<i>For Elevated Installation &gt;25' To 30', Add</i>	34.69	
<i>For Elevated Installation &gt;30' To 35', Add</i>	39.64	
<i>For Elevated Installation &gt;35' To 40', Add</i>	49.55	
<i>For Elevated Installation &gt;40', Add</i>	54.51	
<i>For Work In Restricted Working Space, Add</i>	29.73	
26 05 33 13-1208 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body ..... 495.68	495.68	59.47
<i>For Elevated Installation &gt;10' To 15', Add</i>	11.89	
<i>For Elevated Installation &gt;15' To 20', Add</i>	23.78	
<i>For Elevated Installation &gt;20' To 25', Add</i>	29.73	
<i>For Elevated Installation &gt;25' To 30', Add</i>	41.62	
<i>For Elevated Installation &gt;30' To 35', Add</i>	47.57	
<i>For Elevated Installation &gt;35' To 40', Add</i>	59.46	
<i>For Elevated Installation &gt;40', Add</i>	65.41	
<i>For Work In Restricted Working Space, Add</i>	35.68	
26 05 33 13-1209 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body ..... 745.18	745.18	83.62
<i>For Elevated Installation &gt;10' To 15', Add</i>	16.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	33.45	
<i>For Elevated Installation &gt;20' To 25', Add</i>	41.81	
<i>For Elevated Installation &gt;25' To 30', Add</i>	58.53	
<i>For Elevated Installation &gt;30' To 35', Add</i>	66.89	
<i>For Elevated Installation &gt;35' To 40', Add</i>	83.62	
<i>For Elevated Installation &gt;40', Add</i>	91.98	
<i>For Work In Restricted Working Space, Add</i>	50.17	
26 05 33 13-1210 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body ..... 975.29	975.29	111.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	22.30	
<i>For Elevated Installation &gt;15' To 20', Add</i>	44.60	
<i>For Elevated Installation &gt;20' To 25', Add</i>	55.75	
<i>For Elevated Installation &gt;25' To 30', Add</i>	78.04	
<i>For Elevated Installation &gt;30' To 35', Add</i>	89.19	
<i>For Elevated Installation &gt;35' To 40', Add</i>	111.49	
<i>For Elevated Installation &gt;40', Add</i>	122.64	
<i>For Work In Restricted Working Space, Add</i>	66.89	
26 05 33 13-1211 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body ..... 1,420.68	1,420.68	139.36
<i>For Elevated Installation &gt;10' To 15', Add</i>	27.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	55.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	69.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	97.55	
<i>For Elevated Installation &gt;30' To 35', Add</i>	111.49	
<i>For Elevated Installation &gt;35' To 40', Add</i>	139.36	
<i>For Elevated Installation &gt;40', Add</i>	153.30	
<i>For Work In Restricted Working Space, Add</i>	83.62	
26 05 33 13-1212 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body ..... 1,725.93	1,725.93	169.71
<i>For Elevated Installation &gt;10' To 15', Add</i>	33.94	
<i>For Elevated Installation &gt;15' To 20', Add</i>	67.89	
<i>For Elevated Installation &gt;20' To 25', Add</i>	84.86	
<i>For Elevated Installation &gt;25' To 30', Add</i>	118.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	135.77	
<i>For Elevated Installation &gt;35' To 40', Add</i>	169.72	
<i>For Elevated Installation &gt;40', Add</i>	186.69	
<i>For Work In Restricted Working Space, Add</i>	101.83	
26 05 33 13-1213 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body ..... 273.63	273.63	39.03
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.80	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.61	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.51	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.31	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.22	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.02	
<i>For Elevated Installation &gt;40', Add</i>	42.92	
<i>For Work In Restricted Working Space, Add</i>	23.41	
26 05 33 13-1214 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body ..... 307.12	307.12	45.21
<i>For Elevated Installation &gt;10' To 15', Add</i>	9.04	
<i>For Elevated Installation &gt;15' To 20', Add</i>	18.09	
<i>For Elevated Installation &gt;20' To 25', Add</i>	22.61	
<i>For Elevated Installation &gt;25' To 30', Add</i>	31.65	
<i>For Elevated Installation &gt;30' To 35', Add</i>	36.17	
<i>For Elevated Installation &gt;35' To 40', Add</i>	45.22	
<i>For Elevated Installation &gt;40', Add</i>	49.74	
<i>For Work In Restricted Working Space, Add</i>	27.13	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1215 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....	425.03	49.55
For Elevated Installation >10' To 15', Add	9.91	
For Elevated Installation >15' To 20', Add	19.82	
For Elevated Installation >20' To 25', Add	24.78	
For Elevated Installation >25' To 30', Add	34.69	
For Elevated Installation >30' To 35', Add	39.64	
For Elevated Installation >35' To 40', Add	49.55	
For Elevated Installation >40', Add	54.51	
For Work In Restricted Working Space, Add	29.73	
26 05 33 13-1216 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	495.68	59.47
For Elevated Installation >10' To 15', Add	11.89	
For Elevated Installation >15' To 20', Add	23.78	
For Elevated Installation >20' To 25', Add	29.73	
For Elevated Installation >25' To 30', Add	41.62	
For Elevated Installation >30' To 35', Add	47.57	
For Elevated Installation >35' To 40', Add	59.46	
For Elevated Installation >40', Add	65.41	
For Work In Restricted Working Space, Add	35.68	
26 05 33 13-1217 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....	745.18	83.62
For Elevated Installation >10' To 15', Add	16.72	
For Elevated Installation >15' To 20', Add	33.45	
For Elevated Installation >20' To 25', Add	41.81	
For Elevated Installation >25' To 30', Add	58.53	
For Elevated Installation >30' To 35', Add	66.89	
For Elevated Installation >35' To 40', Add	83.62	
For Elevated Installation >40', Add	91.98	
For Work In Restricted Working Space, Add	50.17	
26 05 33 13-1218 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	975.29	111.49
For Elevated Installation >10' To 15', Add	22.30	
For Elevated Installation >15' To 20', Add	44.60	
For Elevated Installation >20' To 25', Add	55.75	
For Elevated Installation >25' To 30', Add	78.04	
For Elevated Installation >30' To 35', Add	89.19	
For Elevated Installation >35' To 40', Add	111.49	
For Elevated Installation >40', Add	122.64	
For Work In Restricted Working Space, Add	66.89	
26 05 33 13-1219 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....	1,420.68	139.36
For Elevated Installation >10' To 15', Add	27.87	
For Elevated Installation >15' To 20', Add	55.74	
For Elevated Installation >20' To 25', Add	69.68	
For Elevated Installation >25' To 30', Add	97.55	
For Elevated Installation >30' To 35', Add	111.49	
For Elevated Installation >35' To 40', Add	139.36	
For Elevated Installation >40', Add	153.30	
For Work In Restricted Working Space, Add	83.62	
26 05 33 13-1220 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	1,725.93	169.71
For Elevated Installation >10' To 15', Add	33.94	
For Elevated Installation >15' To 20', Add	67.89	
For Elevated Installation >20' To 25', Add	84.86	
For Elevated Installation >25' To 30', Add	118.80	
For Elevated Installation >30' To 35', Add	135.77	
For Elevated Installation >35' To 40', Add	169.72	
For Elevated Installation >40', Add	186.69	
For Work In Restricted Working Space, Add	101.83	
26 05 33 13-1221 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	273.63	39.03
For Elevated Installation >10' To 15', Add	7.80	
For Elevated Installation >15' To 20', Add	15.61	
For Elevated Installation >20' To 25', Add	19.51	
For Elevated Installation >25' To 30', Add	27.31	
For Elevated Installation >30' To 35', Add	31.22	
For Elevated Installation >35' To 40', Add	39.02	
For Elevated Installation >40', Add	42.92	
For Work In Restricted Working Space, Add	23.41	
26 05 33 13-1222 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	307.12	45.21
For Elevated Installation >10' To 15', Add	9.04	
For Elevated Installation >15' To 20', Add	18.09	
For Elevated Installation >20' To 25', Add	22.61	
For Elevated Installation >25' To 30', Add	31.65	
For Elevated Installation >30' To 35', Add	36.17	
For Elevated Installation >35' To 40', Add	45.22	
For Elevated Installation >40', Add	49.74	
For Work In Restricted Working Space, Add	27.13	
26 05 33 13-1223 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	426.23	49.55
For Elevated Installation >10' To 15', Add	9.91	
For Elevated Installation >15' To 20', Add	19.82	
For Elevated Installation >20' To 25', Add	24.78	
For Elevated Installation >25' To 30', Add	34.69	
For Elevated Installation >30' To 35', Add	39.64	
For Elevated Installation >35' To 40', Add	49.55	
For Elevated Installation >40', Add	54.51	
For Work In Restricted Working Space, Add	29.73	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1224 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	502.22	59.47
For Elevated Installation >10' To 15', Add	11.89	
For Elevated Installation >15' To 20', Add	23.78	
For Elevated Installation >20' To 25', Add	29.73	
For Elevated Installation >25' To 30', Add	41.62	
For Elevated Installation >30' To 35', Add	47.57	
For Elevated Installation >35' To 40', Add	59.46	
For Elevated Installation >40', Add	65.41	
For Work In Restricted Working Space, Add	35.68	
26 05 33 13-1225 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body .....	734.00	83.62
For Elevated Installation >10' To 15', Add	16.72	
For Elevated Installation >15' To 20', Add	33.45	
For Elevated Installation >20' To 25', Add	41.81	
For Elevated Installation >25' To 30', Add	58.53	
For Elevated Installation >30' To 35', Add	66.89	
For Elevated Installation >35' To 40', Add	83.62	
For Elevated Installation >40', Add	91.98	
For Work In Restricted Working Space, Add	50.17	
26 05 33 13-1226 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	925.16	111.49
For Elevated Installation >10' To 15', Add	22.30	
For Elevated Installation >15' To 20', Add	44.60	
For Elevated Installation >20' To 25', Add	55.75	
For Elevated Installation >25' To 30', Add	78.04	
For Elevated Installation >30' To 35', Add	89.19	
For Elevated Installation >35' To 40', Add	111.49	
For Elevated Installation >40', Add	122.64	
For Work In Restricted Working Space, Add	66.89	
26 05 33 13-1227 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body .....	1,360.16	139.36
For Elevated Installation >10' To 15', Add	27.87	
For Elevated Installation >15' To 20', Add	55.74	
For Elevated Installation >20' To 25', Add	69.68	
For Elevated Installation >25' To 30', Add	97.55	
For Elevated Installation >30' To 35', Add	111.49	
For Elevated Installation >35' To 40', Add	139.36	
For Elevated Installation >40', Add	153.30	
For Work In Restricted Working Space, Add	83.62	
26 05 33 13-1228 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	1,703.94	169.71
For Elevated Installation >10' To 15', Add	33.94	
For Elevated Installation >15' To 20', Add	67.89	
For Elevated Installation >20' To 25', Add	84.86	
For Elevated Installation >25' To 30', Add	118.80	
For Elevated Installation >30' To 35', Add	135.77	
For Elevated Installation >35' To 40', Add	169.72	
For Elevated Installation >40', Add	186.69	
For Work In Restricted Working Space, Add	101.83	
<b>26 05 33 13-1229 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1230 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	138.58	5.58
For Elevated Installation >10' To 15', Add	1.12	
For Elevated Installation >15' To 20', Add	2.23	
For Elevated Installation >20' To 25', Add	2.79	
For Elevated Installation >25' To 30', Add	3.90	
For Elevated Installation >30' To 35', Add	4.46	
For Elevated Installation >35' To 40', Add	5.58	
For Elevated Installation >40', Add	6.13	
For Work In Restricted Working Space, Add	3.35	
26 05 33 13-1231 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover .....	139.82	6.20
For Elevated Installation >10' To 15', Add	1.24	
For Elevated Installation >15' To 20', Add	2.48	
For Elevated Installation >20' To 25', Add	3.10	
For Elevated Installation >25' To 30', Add	4.34	
For Elevated Installation >30' To 35', Add	4.96	
For Elevated Installation >35' To 40', Add	6.20	
For Elevated Installation >40', Add	6.81	
For Work In Restricted Working Space, Add	3.72	
26 05 33 13-1232 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover .....	197.67	8.68
For Elevated Installation >10' To 15', Add	1.73	
For Elevated Installation >15' To 20', Add	3.47	
For Elevated Installation >20' To 25', Add	4.34	
For Elevated Installation >25' To 30', Add	6.07	
For Elevated Installation >30' To 35', Add	6.94	
For Elevated Installation >35' To 40', Add	8.67	
For Elevated Installation >40', Add	9.54	
For Work In Restricted Working Space, Add	5.20	
26 05 33 13-1233 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	200.15	9.91
For Elevated Installation >10' To 15', Add	1.98	
For Elevated Installation >15' To 20', Add	3.96	
For Elevated Installation >20' To 25', Add	4.96	
For Elevated Installation >25' To 30', Add	6.94	
For Elevated Installation >30' To 35', Add	7.93	
For Elevated Installation >35' To 40', Add	9.91	
For Elevated Installation >40', Add	10.90	
For Work In Restricted Working Space, Add	5.95	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1234 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	350.76	11.76
For Elevated Installation >10' To 15', Add	2.35	
For Elevated Installation >15' To 20', Add	4.71	
For Elevated Installation >20' To 25', Add	5.89	
For Elevated Installation >25' To 30', Add	8.24	
For Elevated Installation >30' To 35', Add	9.42	
For Elevated Installation >35' To 40', Add	11.77	
For Elevated Installation >40', Add	12.95	
For Work In Restricted Working Space, Add	7.06	
26 05 33 13-1235 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	356.95	14.86
For Elevated Installation >10' To 15', Add	2.97	
For Elevated Installation >15' To 20', Add	5.95	
For Elevated Installation >20' To 25', Add	7.43	
For Elevated Installation >25' To 30', Add	10.41	
For Elevated Installation >30' To 35', Add	11.89	
For Elevated Installation >35' To 40', Add	14.87	
For Elevated Installation >40', Add	16.35	
For Work In Restricted Working Space, Add	8.92	
26 05 33 13-1236 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	538.67	16.72
For Elevated Installation >10' To 15', Add	3.35	
For Elevated Installation >15' To 20', Add	6.69	
For Elevated Installation >20' To 25', Add	8.36	
For Elevated Installation >25' To 30', Add	11.71	
For Elevated Installation >30' To 35', Add	13.38	
For Elevated Installation >35' To 40', Add	16.73	
For Elevated Installation >40', Add	18.40	
For Work In Restricted Working Space, Add	10.04	
26 05 33 13-1237 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	548.58	21.67
For Elevated Installation >10' To 15', Add	4.34	
For Elevated Installation >15' To 20', Add	8.67	
For Elevated Installation >20' To 25', Add	10.84	
For Elevated Installation >25' To 30', Add	15.18	
For Elevated Installation >30' To 35', Add	17.34	
For Elevated Installation >35' To 40', Add	21.68	
For Elevated Installation >40', Add	23.85	
For Work In Restricted Working Space, Add	13.01	
<b>26 05 33 13-1238 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1239 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	237.57	15.49
For Elevated Installation >10' To 15', Add	3.10	
For Elevated Installation >15' To 20', Add	6.19	
For Elevated Installation >20' To 25', Add	7.74	
For Elevated Installation >25' To 30', Add	10.84	
For Elevated Installation >30' To 35', Add	12.39	
For Elevated Installation >35' To 40', Add	15.49	
For Elevated Installation >40', Add	17.03	
For Work In Restricted Working Space, Add	9.29	
26 05 33 13-1240 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	280.52	19.20
For Elevated Installation >10' To 15', Add	3.84	
For Elevated Installation >15' To 20', Add	7.68	
For Elevated Installation >20' To 25', Add	9.60	
For Elevated Installation >25' To 30', Add	13.44	
For Elevated Installation >30' To 35', Add	15.36	
For Elevated Installation >35' To 40', Add	19.20	
For Elevated Installation >40', Add	21.12	
For Work In Restricted Working Space, Add	11.52	
26 05 33 13-1241 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	331.90	23.54
For Elevated Installation >10' To 15', Add	4.71	
For Elevated Installation >15' To 20', Add	9.41	
For Elevated Installation >20' To 25', Add	11.77	
For Elevated Installation >25' To 30', Add	16.47	
For Elevated Installation >30' To 35', Add	18.83	
For Elevated Installation >35' To 40', Add	23.54	
For Elevated Installation >40', Add	25.89	
For Work In Restricted Working Space, Add	14.12	
26 05 33 13-1242 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	409.21	27.25
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.90	
For Elevated Installation >20' To 25', Add	13.63	
For Elevated Installation >25' To 30', Add	19.08	
For Elevated Installation >30' To 35', Add	21.80	
For Elevated Installation >35' To 40', Add	27.26	
For Elevated Installation >40', Add	29.98	
For Work In Restricted Working Space, Add	16.35	
26 05 33 13-1243 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	548.03	30.97
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	
For Work In Restricted Working Space, Add	18.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1244 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	760.38	34.07
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
For Work In Restricted Working Space, Add	20.44	
26 05 33 13-1245 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,087.04	42.74
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
For Work In Restricted Working Space, Add	25.64	
26 05 33 13-1246 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,350.73	58.22
For Elevated Installation >10' To 15', Add	11.64	
For Elevated Installation >15' To 20', Add	23.29	
For Elevated Installation >20' To 25', Add	29.11	
For Elevated Installation >25' To 30', Add	40.75	
For Elevated Installation >30' To 35', Add	46.58	
For Elevated Installation >35' To 40', Add	58.22	
For Elevated Installation >40', Add	64.04	
For Work In Restricted Working Space, Add	34.93	
26 05 33 13-1247 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,898.10	65.65
For Elevated Installation >10' To 15', Add	13.13	
For Elevated Installation >15' To 20', Add	26.26	
For Elevated Installation >20' To 25', Add	32.83	
For Elevated Installation >25' To 30', Add	45.96	
For Elevated Installation >30' To 35', Add	52.52	
For Elevated Installation >35' To 40', Add	65.66	
For Elevated Installation >40', Add	72.22	
For Work In Restricted Working Space, Add	39.39	
26 05 33 13-1248 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	2,185.82	85.47
For Elevated Installation >10' To 15', Add	17.10	
For Elevated Installation >15' To 20', Add	34.19	
For Elevated Installation >20' To 25', Add	42.74	
For Elevated Installation >25' To 30', Add	59.83	
For Elevated Installation >30' To 35', Add	68.38	
For Elevated Installation >35' To 40', Add	85.48	
For Elevated Installation >40', Add	94.02	
For Work In Restricted Working Space, Add	51.29	
<b>26 05 33 13-1249 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1250 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	379.10	15.49
For Elevated Installation >10' To 15', Add	3.10	
For Elevated Installation >15' To 20', Add	6.19	
For Elevated Installation >20' To 25', Add	7.74	
For Elevated Installation >25' To 30', Add	10.84	
For Elevated Installation >30' To 35', Add	12.39	
For Elevated Installation >35' To 40', Add	15.49	
For Elevated Installation >40', Add	17.03	
For Work In Restricted Working Space, Add	9.29	
26 05 33 13-1251 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	393.10	19.20
For Elevated Installation >10' To 15', Add	3.84	
For Elevated Installation >15' To 20', Add	7.68	
For Elevated Installation >20' To 25', Add	9.60	
For Elevated Installation >25' To 30', Add	13.44	
For Elevated Installation >30' To 35', Add	15.36	
For Elevated Installation >35' To 40', Add	19.20	
For Elevated Installation >40', Add	21.12	
For Work In Restricted Working Space, Add	11.52	
26 05 33 13-1252 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	441.13	23.54
For Elevated Installation >10' To 15', Add	4.71	
For Elevated Installation >15' To 20', Add	9.41	
For Elevated Installation >20' To 25', Add	11.77	
For Elevated Installation >25' To 30', Add	16.47	
For Elevated Installation >30' To 35', Add	18.83	
For Elevated Installation >35' To 40', Add	23.54	
For Elevated Installation >40', Add	25.89	
For Work In Restricted Working Space, Add	14.12	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1253	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	534.04	27.25
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.45	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.63	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.08	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	27.26	
			<i>For Elevated Installation &gt;40', Add</i>	29.98	
			<i>For Work In Restricted Working Space, Add</i>	16.35	
26 05 33 13-1254	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	647.70	30.97
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.49	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.78	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.97	
			<i>For Elevated Installation &gt;40', Add</i>	34.07	
			<i>For Work In Restricted Working Space, Add</i>	18.58	
26 05 33 13-1255	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	829.00	34.07
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.03	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	27.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07	
			<i>For Elevated Installation &gt;40', Add</i>	37.47	
			<i>For Work In Restricted Working Space, Add</i>	20.44	
26 05 33 13-1256	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,225.26	42.74
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.55	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.09	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.37	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.91	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	34.19	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	42.74	
			<i>For Elevated Installation &gt;40', Add</i>	47.01	
			<i>For Work In Restricted Working Space, Add</i>	25.64	
26 05 33 13-1257	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,535.44	58.22
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.64	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	23.29	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	29.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	40.75	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	46.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	58.22	
			<i>For Elevated Installation &gt;40', Add</i>	64.04	
			<i>For Work In Restricted Working Space, Add</i>	34.93	
26 05 33 13-1258	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,957.73	65.65
			<i>For Elevated Installation &gt;10' To 15', Add</i>	13.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	26.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	32.83	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	45.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	52.52	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	65.66	
			<i>For Elevated Installation &gt;40', Add</i>	72.22	
			<i>For Work In Restricted Working Space, Add</i>	39.39	
26 05 33 13-1259	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	2,449.91	85.47
			<i>For Elevated Installation &gt;10' To 15', Add</i>	17.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	34.19	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	42.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	59.83	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	68.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	85.48	
			<i>For Elevated Installation &gt;40', Add</i>	94.02	
			<i>For Work In Restricted Working Space, Add</i>	51.29	
26 05 33 13-1260			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1261	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	78.07	7.43
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43	
			<i>For Elevated Installation &gt;40', Add</i>	8.17	
			<i>For Work In Restricted Working Space, Add</i>	4.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1262 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	84.46	9.29
For Elevated Installation >10' To 15', Add	1.86	
For Elevated Installation >15' To 20', Add	3.72	
For Elevated Installation >20' To 25', Add	4.65	
For Elevated Installation >25' To 30', Add	6.50	
For Elevated Installation >30' To 35', Add	7.43	
For Elevated Installation >35' To 40', Add	9.29	
For Elevated Installation >40', Add	10.22	
For Work In Restricted Working Space, Add	5.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.57	
26 05 33 13-1263 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	92.77	11.15
For Elevated Installation >10' To 15', Add	2.23	
For Elevated Installation >15' To 20', Add	4.46	
For Elevated Installation >20' To 25', Add	5.58	
For Elevated Installation >25' To 30', Add	7.81	
For Elevated Installation >30' To 35', Add	8.92	
For Elevated Installation >35' To 40', Add	11.15	
For Elevated Installation >40', Add	12.27	
For Work In Restricted Working Space, Add	6.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.69	
26 05 33 13-1264 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	104.78	13.63
For Elevated Installation >10' To 15', Add	2.73	
For Elevated Installation >15' To 20', Add	5.45	
For Elevated Installation >20' To 25', Add	6.81	
For Elevated Installation >25' To 30', Add	9.54	
For Elevated Installation >30' To 35', Add	10.90	
For Elevated Installation >35' To 40', Add	13.63	
For Elevated Installation >40', Add	14.99	
For Work In Restricted Working Space, Add	8.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.18	
26 05 33 13-1265 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	141.41	15.49
For Elevated Installation >10' To 15', Add	3.10	
For Elevated Installation >15' To 20', Add	6.19	
For Elevated Installation >20' To 25', Add	7.74	
For Elevated Installation >25' To 30', Add	10.84	
For Elevated Installation >30' To 35', Add	12.39	
For Elevated Installation >35' To 40', Add	15.49	
For Elevated Installation >40', Add	17.03	
For Work In Restricted Working Space, Add	9.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.29	
26 05 33 13-1266 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	173.04	17.34
For Elevated Installation >10' To 15', Add	3.47	
For Elevated Installation >15' To 20', Add	6.94	
For Elevated Installation >20' To 25', Add	8.67	
For Elevated Installation >25' To 30', Add	12.14	
For Elevated Installation >30' To 35', Add	13.87	
For Elevated Installation >35' To 40', Add	17.34	
For Elevated Installation >40', Add	19.07	
For Work In Restricted Working Space, Add	10.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.40	
26 05 33 13-1267 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	248.23	21.67
For Elevated Installation >10' To 15', Add	4.34	
For Elevated Installation >15' To 20', Add	8.67	
For Elevated Installation >20' To 25', Add	10.84	
For Elevated Installation >25' To 30', Add	15.18	
For Elevated Installation >30' To 35', Add	17.34	
For Elevated Installation >35' To 40', Add	21.68	
For Elevated Installation >40', Add	23.85	
For Work In Restricted Working Space, Add	13.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.01	
26 05 33 13-1268 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	323.92	29.12
For Elevated Installation >10' To 15', Add	5.82	
For Elevated Installation >15' To 20', Add	11.64	
For Elevated Installation >20' To 25', Add	14.56	
For Elevated Installation >25' To 30', Add	20.38	
For Elevated Installation >30' To 35', Add	23.29	
For Elevated Installation >35' To 40', Add	29.11	
For Elevated Installation >40', Add	32.02	
For Work In Restricted Working Space, Add	17.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.47	
26 05 33 13-1269 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	414.29	32.83
For Elevated Installation >10' To 15', Add	6.57	
For Elevated Installation >15' To 20', Add	13.13	
For Elevated Installation >20' To 25', Add	16.41	
For Elevated Installation >25' To 30', Add	22.98	
For Elevated Installation >30' To 35', Add	26.26	
For Elevated Installation >35' To 40', Add	32.83	
For Elevated Installation >40', Add	36.11	
For Work In Restricted Working Space, Add	19.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.70	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1270 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	520.82	42.74
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
For Work In Restricted Working Space, Add	25.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.64	
26 05 33 13-1271 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	645.04	69.37
For Elevated Installation >10' To 15', Add	13.87	
For Elevated Installation >15' To 20', Add	27.75	
For Elevated Installation >20' To 25', Add	34.69	
For Elevated Installation >25' To 30', Add	48.56	
For Elevated Installation >30' To 35', Add	55.50	
For Elevated Installation >35' To 40', Add	69.37	
For Elevated Installation >40', Add	76.31	
For Work In Restricted Working Space, Add	41.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.62	
26 05 33 13-1272 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	972.83	104.68
For Elevated Installation >10' To 15', Add	20.94	
For Elevated Installation >15' To 20', Add	41.87	
For Elevated Installation >20' To 25', Add	52.34	
For Elevated Installation >25' To 30', Add	73.28	
For Elevated Installation >30' To 35', Add	83.74	
For Elevated Installation >35' To 40', Add	104.68	
For Elevated Installation >40', Add	115.15	
For Work In Restricted Working Space, Add	62.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.81	
<b>26 05 33 13-1273 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1274 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	118.28	7.43
For Elevated Installation >10' To 15', Add	1.49	
For Elevated Installation >15' To 20', Add	2.97	
For Elevated Installation >20' To 25', Add	3.72	
For Elevated Installation >25' To 30', Add	5.20	
For Elevated Installation >30' To 35', Add	5.94	
For Elevated Installation >35' To 40', Add	7.43	
For Elevated Installation >40', Add	8.17	
For Work In Restricted Working Space, Add	4.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-1275 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	124.95	9.29
For Elevated Installation >10' To 15', Add	1.86	
For Elevated Installation >15' To 20', Add	3.72	
For Elevated Installation >20' To 25', Add	4.65	
For Elevated Installation >25' To 30', Add	6.50	
For Elevated Installation >30' To 35', Add	7.43	
For Elevated Installation >35' To 40', Add	9.29	
For Elevated Installation >40', Add	10.22	
For Work In Restricted Working Space, Add	5.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.57	
26 05 33 13-1276 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	134.15	11.15
For Elevated Installation >10' To 15', Add	2.23	
For Elevated Installation >15' To 20', Add	4.46	
For Elevated Installation >20' To 25', Add	5.58	
For Elevated Installation >25' To 30', Add	7.81	
For Elevated Installation >30' To 35', Add	8.92	
For Elevated Installation >35' To 40', Add	11.15	
For Elevated Installation >40', Add	12.27	
For Work In Restricted Working Space, Add	6.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.69	
26 05 33 13-1277 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	153.04	13.63
For Elevated Installation >10' To 15', Add	2.73	
For Elevated Installation >15' To 20', Add	5.45	
For Elevated Installation >20' To 25', Add	6.81	
For Elevated Installation >25' To 30', Add	9.54	
For Elevated Installation >30' To 35', Add	10.90	
For Elevated Installation >35' To 40', Add	13.63	
For Elevated Installation >40', Add	14.99	
For Work In Restricted Working Space, Add	8.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.18	
26 05 33 13-1278 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	164.19	15.49
For Elevated Installation >10' To 15', Add	3.10	
For Elevated Installation >15' To 20', Add	6.19	
For Elevated Installation >20' To 25', Add	7.74	
For Elevated Installation >25' To 30', Add	10.84	
For Elevated Installation >30' To 35', Add	12.39	
For Elevated Installation >35' To 40', Add	15.49	
For Elevated Installation >40', Add	17.03	
For Work In Restricted Working Space, Add	9.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1279 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	185.73	17.34
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.47	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.94	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.67	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.14	
<i>For Elevated Installation &gt;30' To 35', Add</i>	13.87	
<i>For Elevated Installation &gt;35' To 40', Add</i>	17.34	
<i>For Elevated Installation &gt;40', Add</i>	19.07	
<i>For Work In Restricted Working Space, Add</i>	10.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.40	
26 05 33 13-1280 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub .....	283.85	21.67
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.34	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.67	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.84	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.18	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.34	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.68	
<i>For Elevated Installation &gt;40', Add</i>	23.85	
<i>For Work In Restricted Working Space, Add</i>	13.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.01	
26 05 33 13-1281 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	339.27	29.12
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.82	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.64	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.56	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.38	
<i>For Elevated Installation &gt;30' To 35', Add</i>	23.29	
<i>For Elevated Installation &gt;35' To 40', Add</i>	29.11	
<i>For Elevated Installation &gt;40', Add</i>	32.02	
<i>For Work In Restricted Working Space, Add</i>	17.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.47	
26 05 33 13-1282 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub .....	417.61	32.83
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.57	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.13	
<i>For Elevated Installation &gt;20' To 25', Add</i>	16.41	
<i>For Elevated Installation &gt;25' To 30', Add</i>	22.98	
<i>For Elevated Installation &gt;30' To 35', Add</i>	26.26	
<i>For Elevated Installation &gt;35' To 40', Add</i>	32.83	
<i>For Elevated Installation &gt;40', Add</i>	36.11	
<i>For Work In Restricted Working Space, Add</i>	19.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.70	
26 05 33 13-1283 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	542.24	42.74
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.55	
<i>For Elevated Installation &gt;15' To 20', Add</i>	17.09	
<i>For Elevated Installation &gt;20' To 25', Add</i>	21.37	
<i>For Elevated Installation &gt;25' To 30', Add</i>	29.91	
<i>For Elevated Installation &gt;30' To 35', Add</i>	34.19	
<i>For Elevated Installation &gt;35' To 40', Add</i>	42.74	
<i>For Elevated Installation &gt;40', Add</i>	47.01	
<i>For Work In Restricted Working Space, Add</i>	25.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.64	
26 05 33 13-1284 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	843.08	69.37
<i>For Elevated Installation &gt;10' To 15', Add</i>	13.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	27.75	
<i>For Elevated Installation &gt;20' To 25', Add</i>	34.69	
<i>For Elevated Installation &gt;25' To 30', Add</i>	48.56	
<i>For Elevated Installation &gt;30' To 35', Add</i>	55.50	
<i>For Elevated Installation &gt;35' To 40', Add</i>	69.37	
<i>For Elevated Installation &gt;40', Add</i>	76.31	
<i>For Work In Restricted Working Space, Add</i>	41.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.62	
26 05 33 13-1285 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	1,380.95	104.68
<i>For Elevated Installation &gt;10' To 15', Add</i>	20.94	
<i>For Elevated Installation &gt;15' To 20', Add</i>	41.87	
<i>For Elevated Installation &gt;20' To 25', Add</i>	52.34	
<i>For Elevated Installation &gt;25' To 30', Add</i>	73.28	
<i>For Elevated Installation &gt;30' To 35', Add</i>	83.74	
<i>For Elevated Installation &gt;35' To 40', Add</i>	104.68	
<i>For Elevated Installation &gt;40', Add</i>	115.15	
<i>For Work In Restricted Working Space, Add</i>	62.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.81	
<b>26 05 33 13-1286 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTTB Knockout Hubs</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1287 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub .....	127.22	7.43
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.72	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43	
<i>For Elevated Installation &gt;40', Add</i>	8.17	
<i>For Work In Restricted Working Space, Add</i>	4.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1288	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub.....	133.44	9.29
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.65	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.50	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.29	
			<i>For Elevated Installation &gt;40', Add</i>	10.22	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1289	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub .....	143.02	11.15
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.23	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.46	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.81	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.92	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.15	
			<i>For Elevated Installation &gt;40', Add</i>	12.27	
			<i>For Work In Restricted Working Space, Add</i>	6.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.69	
26 05 33 13-1290	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub .....	179.96	13.63
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.73	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.63	
			<i>For Elevated Installation &gt;40', Add</i>	14.99	
			<i>For Work In Restricted Working Space, Add</i>	8.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33 13-1291	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub .....	196.69	15.49
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.19	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
			<i>For Elevated Installation &gt;40', Add</i>	17.03	
			<i>For Work In Restricted Working Space, Add</i>	9.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33 13-1292	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub .....	208.16	17.34
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.47	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.94	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.67	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.14	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.87	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.34	
			<i>For Elevated Installation &gt;40', Add</i>	19.07	
			<i>For Work In Restricted Working Space, Add</i>	10.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.40	
<b>26 05 33 13-1293</b>			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions <small>(26 05 33 13-0826)</small></b>		
26 05 33 13-1294	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	93.00	15.49
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.19	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
			<i>For Elevated Installation &gt;40', Add</i>	17.03	
			<i>For Work In Restricted Working Space, Add</i>	9.29	
26 05 33 13-1295	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	101.56	19.20
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.84	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.68	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.44	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.36	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.20	
			<i>For Elevated Installation &gt;40', Add</i>	21.12	
			<i>For Work In Restricted Working Space, Add</i>	11.52	
26 05 33 13-1296	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	131.74	23.54
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.71	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.41	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.77	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.47	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.83	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.54	
			<i>For Elevated Installation &gt;40', Add</i>	25.89	
			<i>For Work In Restricted Working Space, Add</i>	14.12	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1297 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	190.78	27.25
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.90	
For Elevated Installation >20' To 25', Add	13.63	
For Elevated Installation >25' To 30', Add	19.08	
For Elevated Installation >30' To 35', Add	21.80	
For Elevated Installation >35' To 40', Add	27.26	
For Elevated Installation >40', Add	29.98	
For Work In Restricted Working Space, Add	16.35	
26 05 33 13-1298 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	226.31	30.97
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	
For Work In Restricted Working Space, Add	18.58	
26 05 33 13-1299 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	287.18	34.07
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
For Work In Restricted Working Space, Add	20.44	
26 05 33 13-1300 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	382.03	42.74
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
For Work In Restricted Working Space, Add	25.64	
26 05 33 13-1301 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	494.31	42.74
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
For Work In Restricted Working Space, Add	25.64	
26 05 33 13-1302 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	638.45	65.65
For Elevated Installation >10' To 15', Add	13.13	
For Elevated Installation >15' To 20', Add	26.26	
For Elevated Installation >20' To 25', Add	32.83	
For Elevated Installation >25' To 30', Add	45.96	
For Elevated Installation >30' To 35', Add	52.52	
For Elevated Installation >35' To 40', Add	65.66	
For Elevated Installation >40', Add	72.22	
For Work In Restricted Working Space, Add	39.39	
26 05 33 13-1303 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	822.13	85.47
For Elevated Installation >10' To 15', Add	17.10	
For Elevated Installation >15' To 20', Add	34.19	
For Elevated Installation >20' To 25', Add	42.74	
For Elevated Installation >25' To 30', Add	59.83	
For Elevated Installation >30' To 35', Add	68.38	
For Elevated Installation >35' To 40', Add	85.48	
For Elevated Installation >40', Add	94.02	
For Work In Restricted Working Space, Add	51.29	
26 05 33 13-1304 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	1,495.85	139.36
For Elevated Installation >10' To 15', Add	27.87	
For Elevated Installation >15' To 20', Add	55.74	
For Elevated Installation >20' To 25', Add	69.68	
For Elevated Installation >25' To 30', Add	97.55	
For Elevated Installation >30' To 35', Add	111.49	
For Elevated Installation >35' To 40', Add	139.36	
For Elevated Installation >40', Add	153.30	
For Work In Restricted Working Space, Add	83.62	
26 05 33 13-1305 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	1,868.30	209.36
For Elevated Installation >10' To 15', Add	41.87	
For Elevated Installation >15' To 20', Add	83.74	
For Elevated Installation >20' To 25', Add	104.68	
For Elevated Installation >25' To 30', Add	146.55	
For Elevated Installation >30' To 35', Add	167.48	
For Elevated Installation >35' To 40', Add	209.36	
For Elevated Installation >40', Add	230.29	
For Work In Restricted Working Space, Add	125.61	
For Work In Restricted Working Space, Add	125.61	
26 05 33 13-1306 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions (26 05 33 13-0826)		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1307 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	95.09	15.49
For Elevated Installation >10' To 15', Add	3.10	
For Elevated Installation >15' To 20', Add	6.19	
For Elevated Installation >20' To 25', Add	7.74	
For Elevated Installation >25' To 30', Add	10.84	
For Elevated Installation >30' To 35', Add	12.39	
For Elevated Installation >35' To 40', Add	15.49	
For Elevated Installation >40', Add	17.03	
For Work In Restricted Working Space, Add	9.29	
26 05 33 13-1308 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	109.54	19.20
For Elevated Installation >10' To 15', Add	3.84	
For Elevated Installation >15' To 20', Add	7.68	
For Elevated Installation >20' To 25', Add	9.60	
For Elevated Installation >25' To 30', Add	13.44	
For Elevated Installation >30' To 35', Add	15.36	
For Elevated Installation >35' To 40', Add	19.20	
For Elevated Installation >40', Add	21.12	
For Work In Restricted Working Space, Add	11.52	
26 05 33 13-1309 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	136.00	23.54
For Elevated Installation >10' To 15', Add	4.71	
For Elevated Installation >15' To 20', Add	9.41	
For Elevated Installation >20' To 25', Add	11.77	
For Elevated Installation >25' To 30', Add	16.47	
For Elevated Installation >30' To 35', Add	18.83	
For Elevated Installation >35' To 40', Add	23.54	
For Elevated Installation >40', Add	25.89	
For Work In Restricted Working Space, Add	14.12	
26 05 33 13-1310 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	198.59	27.25
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.90	
For Elevated Installation >20' To 25', Add	13.63	
For Elevated Installation >25' To 30', Add	19.08	
For Elevated Installation >30' To 35', Add	21.80	
For Elevated Installation >35' To 40', Add	27.26	
For Elevated Installation >40', Add	29.98	
For Work In Restricted Working Space, Add	16.35	
26 05 33 13-1311 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	237.15	30.97
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	
For Work In Restricted Working Space, Add	18.58	
26 05 33 13-1312 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	310.59	34.07
For Elevated Installation >10' To 15', Add	6.81	
For Elevated Installation >15' To 20', Add	13.63	
For Elevated Installation >20' To 25', Add	17.03	
For Elevated Installation >25' To 30', Add	23.85	
For Elevated Installation >30' To 35', Add	27.25	
For Elevated Installation >35' To 40', Add	34.07	
For Elevated Installation >40', Add	37.47	
For Work In Restricted Working Space, Add	20.44	
26 05 33 13-1313 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	432.11	42.74
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
For Work In Restricted Working Space, Add	25.64	
26 05 33 13-1314 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	545.24	42.74
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
For Work In Restricted Working Space, Add	25.64	
26 05 33 13-1315 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	730.53	65.65
For Elevated Installation >10' To 15', Add	13.13	
For Elevated Installation >15' To 20', Add	26.26	
For Elevated Installation >20' To 25', Add	32.83	
For Elevated Installation >25' To 30', Add	45.96	
For Elevated Installation >30' To 35', Add	52.52	
For Elevated Installation >35' To 40', Add	65.66	
For Elevated Installation >40', Add	72.22	
For Work In Restricted Working Space, Add	39.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1316 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	913.87	85.47
<i>For Elevated Installation &gt;10' To 15', Add</i>	17.10	
<i>For Elevated Installation &gt;15' To 20', Add</i>	34.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	42.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	59.83	
<i>For Elevated Installation &gt;30' To 35', Add</i>	68.38	
<i>For Elevated Installation &gt;35' To 40', Add</i>	85.48	
<i>For Elevated Installation &gt;40', Add</i>	94.02	
<i>For Work In Restricted Working Space, Add</i>	51.29	
26 05 33 13-1317 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	1,664.02	139.36
<i>For Elevated Installation &gt;10' To 15', Add</i>	27.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	55.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	69.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	97.55	
<i>For Elevated Installation &gt;30' To 35', Add</i>	111.49	
<i>For Elevated Installation &gt;35' To 40', Add</i>	139.36	
<i>For Elevated Installation &gt;40', Add</i>	153.30	
<i>For Work In Restricted Working Space, Add</i>	83.62	
26 05 33 13-1318 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	2,139.84	209.36
<i>For Elevated Installation &gt;10' To 15', Add</i>	41.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	83.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	104.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	146.55	
<i>For Elevated Installation &gt;30' To 35', Add</i>	167.48	
<i>For Elevated Installation &gt;35' To 40', Add</i>	209.36	
<i>For Elevated Installation &gt;40', Add</i>	230.29	
<i>For Work In Restricted Working Space, Add</i>	125.61	
<b>26 05 33 13-1319 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings <small>(26 05 33 13-0826)</small></b>		
26 05 33 13-1320 EA 3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	51.87	4.95
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.98	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.48	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.47	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.96	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.96	
<i>For Elevated Installation &gt;40', Add</i>	5.45	
<i>For Work In Restricted Working Space, Add</i>	2.97	
26 05 33 13-1321 EA 1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	56.88	6.20
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.24	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.10	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.96	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.20	
<i>For Elevated Installation &gt;40', Add</i>	6.81	
<i>For Work In Restricted Working Space, Add</i>	3.72	
26 05 33 13-1322 EA 1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	64.71	6.20
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.24	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.10	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.96	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.20	
<i>For Elevated Installation &gt;40', Add</i>	6.81	
<i>For Work In Restricted Working Space, Add</i>	3.72	
26 05 33 13-1323 EA 1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	80.01	6.81
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.36	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.73	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.41	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.77	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.45	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.82	
<i>For Elevated Installation &gt;40', Add</i>	7.50	
<i>For Work In Restricted Working Space, Add</i>	4.09	
26 05 33 13-1324 EA 1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	84.53	6.81
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.36	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.73	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.41	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.77	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.45	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.82	
<i>For Elevated Installation &gt;40', Add</i>	7.50	
<i>For Work In Restricted Working Space, Add</i>	4.09	
26 05 33 13-1325 EA 1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	72.52	8.05
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.03	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.64	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.44	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.06	
<i>For Elevated Installation &gt;40', Add</i>	8.86	
<i>For Work In Restricted Working Space, Add</i>	4.83	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1326	EA		1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	82.61	8.05
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.03	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.44	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.06	
			<i>For Elevated Installation &gt;40', Add</i>	8.86	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
26 05 33 13-1327	EA		1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	128.01	8.05
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.03	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.44	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.06	
			<i>For Elevated Installation &gt;40', Add</i>	8.86	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
26 05 33 13-1328	EA		2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	142.28	9.29
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.65	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.50	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.29	
			<i>For Elevated Installation &gt;40', Add</i>	10.22	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
26 05 33 13-1329	EA		2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	138.37	9.29
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.65	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.50	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.29	
			<i>For Elevated Installation &gt;40', Add</i>	10.22	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
26 05 33 13-1330	EA		2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	145.65	9.29
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.65	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.50	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.29	
			<i>For Elevated Installation &gt;40', Add</i>	10.22	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
26 05 33 13-1331	EA		2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	163.96	9.29
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.65	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.50	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.29	
			<i>For Elevated Installation &gt;40', Add</i>	10.22	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
26 05 33 13-1332	EA		2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	162.76	11.15
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.23	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.46	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.81	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.92	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.15	
			<i>For Elevated Installation &gt;40', Add</i>	12.27	
			<i>For Work In Restricted Working Space, Add</i>	6.69	
26 05 33 13-1333	EA		3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	207.48	15.49
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.19	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
			<i>For Elevated Installation &gt;40', Add</i>	17.03	
			<i>For Work In Restricted Working Space, Add</i>	9.29	
26 05 33 13-1334	EA		3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	305.71	17.96
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.59	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.19	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.58	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.37	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.97	
			<i>For Elevated Installation &gt;40', Add</i>	19.76	
			<i>For Work In Restricted Working Space, Add</i>	10.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1335 EA 4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	408.99	24.77
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.96	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.91	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.39	
<i>For Elevated Installation &gt;25' To 30', Add</i>	17.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	19.82	
<i>For Elevated Installation &gt;35' To 40', Add</i>	24.78	
<i>For Elevated Installation &gt;40', Add</i>	27.26	
<i>For Work In Restricted Working Space, Add</i>	14.87	
26 05 33 13-1336 EA 5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	511.30	34.07
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.81	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.63	
<i>For Elevated Installation &gt;20' To 25', Add</i>	17.04	
<i>For Elevated Installation &gt;25' To 30', Add</i>	23.85	
<i>For Elevated Installation &gt;30' To 35', Add</i>	27.26	
<i>For Elevated Installation &gt;35' To 40', Add</i>	34.07	
<i>For Elevated Installation &gt;40', Add</i>	37.48	
<i>For Work In Restricted Working Space, Add</i>	20.44	
<b>26 05 33 13-1337 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples</b> <small>(26 05 33 13-0826)</small>		
26 05 33 13-1338 EA 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	32.45	7.43
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.72	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43	
<i>For Elevated Installation &gt;40', Add</i>	8.17	
<i>For Work In Restricted Working Space, Add</i>	4.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-1339 EA 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	36.51	9.29
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.86	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.65	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.50	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.43	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.29	
<i>For Elevated Installation &gt;40', Add</i>	10.22	
<i>For Work In Restricted Working Space, Add</i>	5.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1340 EA 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.45	11.76
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.35	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.71	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.89	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.24	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.42	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.77	
<i>For Elevated Installation &gt;40', Add</i>	12.95	
<i>For Work In Restricted Working Space, Add</i>	7.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.06	
26 05 33 13-1341 EA 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	50.51	13.63
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.73	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.45	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.81	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.54	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.90	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.63	
<i>For Elevated Installation &gt;40', Add</i>	14.99	
<i>For Work In Restricted Working Space, Add</i>	8.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33 13-1342 EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	55.00	15.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
<i>For Elevated Installation &gt;40', Add</i>	17.03	
<i>For Work In Restricted Working Space, Add</i>	9.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33 13-1343 EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	35.96	8.05
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.03	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.64	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.44	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.06	
<i>For Elevated Installation &gt;40', Add</i>	8.86	
<i>For Work In Restricted Working Space, Add</i>	4.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.83	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1344 EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	38.91	9.29
For Elevated Installation >10' To 15', Add	1.86	
For Elevated Installation >15' To 20', Add	3.72	
For Elevated Installation >20' To 25', Add	4.65	
For Elevated Installation >25' To 30', Add	6.50	
For Elevated Installation >30' To 35', Add	7.43	
For Elevated Installation >35' To 40', Add	9.29	
For Elevated Installation >40', Add	10.22	
For Work In Restricted Working Space, Add	5.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.57	
26 05 33 13-1345 EA 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	44.88	11.76
For Elevated Installation >10' To 15', Add	2.35	
For Elevated Installation >15' To 20', Add	4.71	
For Elevated Installation >20' To 25', Add	5.89	
For Elevated Installation >25' To 30', Add	8.24	
For Elevated Installation >30' To 35', Add	9.42	
For Elevated Installation >35' To 40', Add	11.77	
For Elevated Installation >40', Add	12.95	
For Work In Restricted Working Space, Add	7.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.06	
26 05 33 13-1346 EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	53.09	13.63
For Elevated Installation >10' To 15', Add	2.73	
For Elevated Installation >15' To 20', Add	5.45	
For Elevated Installation >20' To 25', Add	6.81	
For Elevated Installation >25' To 30', Add	9.54	
For Elevated Installation >30' To 35', Add	10.90	
For Elevated Installation >35' To 40', Add	13.63	
For Elevated Installation >40', Add	14.99	
For Work In Restricted Working Space, Add	8.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.18	
26 05 33 13-1347 EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	57.77	15.49
For Elevated Installation >10' To 15', Add	3.10	
For Elevated Installation >15' To 20', Add	6.19	
For Elevated Installation >20' To 25', Add	7.74	
For Elevated Installation >25' To 30', Add	10.84	
For Elevated Installation >30' To 35', Add	12.39	
For Elevated Installation >35' To 40', Add	15.49	
For Elevated Installation >40', Add	17.03	
For Work In Restricted Working Space, Add	9.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.29	
26 05 33 13-1348 EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	62.68	17.34
For Elevated Installation >10' To 15', Add	3.47	
For Elevated Installation >15' To 20', Add	6.94	
For Elevated Installation >20' To 25', Add	8.67	
For Elevated Installation >25' To 30', Add	12.14	
For Elevated Installation >30' To 35', Add	13.87	
For Elevated Installation >35' To 40', Add	17.34	
For Elevated Installation >40', Add	19.07	
For Work In Restricted Working Space, Add	10.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.40	
26 05 33 13-1349 EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	36.13	8.05
For Elevated Installation >10' To 15', Add	1.61	
For Elevated Installation >15' To 20', Add	3.22	
For Elevated Installation >20' To 25', Add	4.03	
For Elevated Installation >25' To 30', Add	5.64	
For Elevated Installation >30' To 35', Add	6.44	
For Elevated Installation >35' To 40', Add	8.06	
For Elevated Installation >40', Add	8.86	
For Work In Restricted Working Space, Add	4.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.83	
26 05 33 13-1350 EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	39.08	9.29
For Elevated Installation >10' To 15', Add	1.86	
For Elevated Installation >15' To 20', Add	3.72	
For Elevated Installation >20' To 25', Add	4.65	
For Elevated Installation >25' To 30', Add	6.50	
For Elevated Installation >30' To 35', Add	7.43	
For Elevated Installation >35' To 40', Add	9.29	
For Elevated Installation >40', Add	10.22	
For Work In Restricted Working Space, Add	5.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.57	
26 05 33 13-1351 EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	45.19	11.76
For Elevated Installation >10' To 15', Add	2.35	
For Elevated Installation >15' To 20', Add	4.71	
For Elevated Installation >20' To 25', Add	5.89	
For Elevated Installation >25' To 30', Add	8.24	
For Elevated Installation >30' To 35', Add	9.42	
For Elevated Installation >35' To 40', Add	11.77	
For Elevated Installation >40', Add	12.95	
For Work In Restricted Working Space, Add	7.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1352 EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	53.42	13.63
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.73	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.45	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.81	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.54	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.90	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.63	
<i>For Elevated Installation &gt;40', Add</i>	14.99	
<i>For Work In Restricted Working Space, Add</i>	8.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33 13-1353 EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	58.10	15.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
<i>For Elevated Installation &gt;40', Add</i>	17.03	
<i>For Work In Restricted Working Space, Add</i>	9.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33 13-1354 EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	63.54	17.34
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.47	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.94	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.67	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.14	
<i>For Elevated Installation &gt;30' To 35', Add</i>	13.87	
<i>For Elevated Installation &gt;35' To 40', Add</i>	17.34	
<i>For Elevated Installation &gt;40', Add</i>	19.07	
<i>For Work In Restricted Working Space, Add</i>	10.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.40	
26 05 33 13-1355 EA 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	38.41	8.05
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.03	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.64	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.44	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.06	
<i>For Elevated Installation &gt;40', Add</i>	8.86	
<i>For Work In Restricted Working Space, Add</i>	4.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.83	
26 05 33 13-1356 EA 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	41.36	9.29
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.86	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.65	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.50	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.43	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.29	
<i>For Elevated Installation &gt;40', Add</i>	10.22	
<i>For Work In Restricted Working Space, Add</i>	5.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1357 EA 1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	47.65	11.76
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.35	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.71	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.89	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.24	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.42	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.77	
<i>For Elevated Installation &gt;40', Add</i>	12.95	
<i>For Work In Restricted Working Space, Add</i>	7.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.06	
26 05 33 13-1358 EA 1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	54.82	13.63
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.73	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.45	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.81	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.54	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.90	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.63	
<i>For Elevated Installation &gt;40', Add</i>	14.99	
<i>For Work In Restricted Working Space, Add</i>	8.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33 13-1359 EA 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	59.64	15.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
<i>For Elevated Installation &gt;40', Add</i>	17.03	
<i>For Work In Restricted Working Space, Add</i>	9.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1360	EA		2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	66.24	17.34
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.47	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.94	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.67	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.14	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.87	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.34	
			<i>For Elevated Installation &gt;40', Add</i>	19.07	
			<i>For Work In Restricted Working Space, Add</i>	10.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.40	
26 05 33 13-1361	EA		2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	92.20	21.06
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.21	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.42	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.53	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.74	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.84	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.06	
			<i>For Elevated Installation &gt;40', Add</i>	23.16	
			<i>For Work In Restricted Working Space, Add</i>	12.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.63	
26 05 33 13-1362	EA		3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	119.51	29.12
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.82	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.64	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.56	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.29	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	29.11	
			<i>For Elevated Installation &gt;40', Add</i>	32.02	
			<i>For Work In Restricted Working Space, Add</i>	17.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.47	
26 05 33 13-1363	EA		1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	38.58	8.05
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.03	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.44	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.06	
			<i>For Elevated Installation &gt;40', Add</i>	8.86	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.83	
26 05 33 13-1364	EA		3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	41.68	9.29
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.65	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.50	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.29	
			<i>For Elevated Installation &gt;40', Add</i>	10.22	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1365	EA		1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	47.98	11.76
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.35	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.71	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.89	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.24	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.42	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.77	
			<i>For Elevated Installation &gt;40', Add</i>	12.95	
			<i>For Work In Restricted Working Space, Add</i>	7.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.06	
26 05 33 13-1366	EA		1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	56.21	13.63
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.73	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.63	
			<i>For Elevated Installation &gt;40', Add</i>	14.99	
			<i>For Work In Restricted Working Space, Add</i>	8.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33 13-1367	EA		1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	61.18	15.49
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.19	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
			<i>For Elevated Installation &gt;40', Add</i>	17.03	
			<i>For Work In Restricted Working Space, Add</i>	9.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1368 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	68.93	17.34
For Elevated Installation >10' To 15', Add	3.47	
For Elevated Installation >15' To 20', Add	6.94	
For Elevated Installation >20' To 25', Add	8.67	
For Elevated Installation >25' To 30', Add	12.14	
For Elevated Installation >30' To 35', Add	13.87	
For Elevated Installation >35' To 40', Add	17.34	
For Elevated Installation >40', Add	19.07	
For Work In Restricted Working Space, Add	10.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.40	
26 05 33 13-1369 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	94.58	21.06
For Elevated Installation >10' To 15', Add	4.21	
For Elevated Installation >15' To 20', Add	8.42	
For Elevated Installation >20' To 25', Add	10.53	
For Elevated Installation >25' To 30', Add	14.74	
For Elevated Installation >30' To 35', Add	16.84	
For Elevated Installation >35' To 40', Add	21.06	
For Elevated Installation >40', Add	23.16	
For Work In Restricted Working Space, Add	12.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.63	
26 05 33 13-1370 EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	124.63	29.12
For Elevated Installation >10' To 15', Add	5.82	
For Elevated Installation >15' To 20', Add	11.64	
For Elevated Installation >20' To 25', Add	14.56	
For Elevated Installation >25' To 30', Add	20.38	
For Elevated Installation >30' To 35', Add	23.29	
For Elevated Installation >35' To 40', Add	29.11	
For Elevated Installation >40', Add	32.02	
For Work In Restricted Working Space, Add	17.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.47	
26 05 33 13-1371 EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	148.47	32.83
For Elevated Installation >10' To 15', Add	6.57	
For Elevated Installation >15' To 20', Add	13.13	
For Elevated Installation >20' To 25', Add	16.41	
For Elevated Installation >25' To 30', Add	22.98	
For Elevated Installation >30' To 35', Add	26.26	
For Elevated Installation >35' To 40', Add	32.83	
For Elevated Installation >40', Add	36.11	
For Work In Restricted Working Space, Add	19.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.70	
26 05 33 13-1372 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	174.08	42.74
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
For Work In Restricted Working Space, Add	25.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.64	
26 05 33 13-1373 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	38.89	8.05
For Elevated Installation >10' To 15', Add	1.61	
For Elevated Installation >15' To 20', Add	3.22	
For Elevated Installation >20' To 25', Add	4.03	
For Elevated Installation >25' To 30', Add	5.64	
For Elevated Installation >30' To 35', Add	6.44	
For Elevated Installation >35' To 40', Add	8.06	
For Elevated Installation >40', Add	8.86	
For Work In Restricted Working Space, Add	4.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.83	
26 05 33 13-1374 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.01	9.29
For Elevated Installation >10' To 15', Add	1.86	
For Elevated Installation >15' To 20', Add	3.72	
For Elevated Installation >20' To 25', Add	4.65	
For Elevated Installation >25' To 30', Add	6.50	
For Elevated Installation >30' To 35', Add	7.43	
For Elevated Installation >35' To 40', Add	9.29	
For Elevated Installation >40', Add	10.22	
For Work In Restricted Working Space, Add	5.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.57	
26 05 33 13-1375 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	48.34	11.76
For Elevated Installation >10' To 15', Add	2.35	
For Elevated Installation >15' To 20', Add	4.71	
For Elevated Installation >20' To 25', Add	5.89	
For Elevated Installation >25' To 30', Add	8.24	
For Elevated Installation >30' To 35', Add	9.42	
For Elevated Installation >35' To 40', Add	11.77	
For Elevated Installation >40', Add	12.95	
For Work In Restricted Working Space, Add	7.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.06	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1376	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	56.86	13.63
		<i>For Elevated Installation &gt;10' To 15', Add</i>		2.73	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		5.45	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		6.81	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		9.54	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		10.90	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		13.63	
		<i>For Elevated Installation &gt;40', Add</i>		14.99	
		<i>For Work In Restricted Working Space, Add</i>		8.18	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		8.18	
26 05 33 13-1377	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	61.85	15.49
		<i>For Elevated Installation &gt;10' To 15', Add</i>		3.10	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		6.19	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		7.74	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		10.84	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		12.39	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		15.49	
		<i>For Elevated Installation &gt;40', Add</i>		17.03	
		<i>For Work In Restricted Working Space, Add</i>		9.29	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		9.29	
26 05 33 13-1378	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	70.39	17.34
		<i>For Elevated Installation &gt;10' To 15', Add</i>		3.47	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		6.94	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		8.67	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		12.14	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		13.87	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		17.34	
		<i>For Elevated Installation &gt;40', Add</i>		19.07	
		<i>For Work In Restricted Working Space, Add</i>		10.40	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		10.40	
26 05 33 13-1379	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	104.05	21.06
		<i>For Elevated Installation &gt;10' To 15', Add</i>		4.21	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		8.42	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		10.53	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		14.74	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		16.84	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		21.06	
		<i>For Elevated Installation &gt;40', Add</i>		23.16	
		<i>For Work In Restricted Working Space, Add</i>		12.63	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		12.63	
26 05 33 13-1380	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	132.29	29.12
		<i>For Elevated Installation &gt;10' To 15', Add</i>		5.82	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		11.64	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		14.56	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		20.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		23.29	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		29.11	
		<i>For Elevated Installation &gt;40', Add</i>		32.02	
		<i>For Work In Restricted Working Space, Add</i>		17.47	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		17.47	
26 05 33 13-1381	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	150.11	32.83
		<i>For Elevated Installation &gt;10' To 15', Add</i>		6.57	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		13.13	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		16.41	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		22.98	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		26.26	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		32.83	
		<i>For Elevated Installation &gt;40', Add</i>		36.11	
		<i>For Work In Restricted Working Space, Add</i>		19.70	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		19.70	
26 05 33 13-1382	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	178.46	42.74
		<i>For Elevated Installation &gt;10' To 15', Add</i>		8.55	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		17.09	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		21.37	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		29.91	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		34.19	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		42.74	
		<i>For Elevated Installation &gt;40', Add</i>		47.01	
		<i>For Work In Restricted Working Space, Add</i>		25.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		25.64	
26 05 33 13-1383	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	262.32	58.84
		<i>For Elevated Installation &gt;10' To 15', Add</i>		11.77	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		23.54	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		29.42	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		41.19	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		47.07	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		58.84	
		<i>For Elevated Installation &gt;40', Add</i>		64.72	
		<i>For Work In Restricted Working Space, Add</i>		35.30	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		35.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1384 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	39.50	8.05
For Elevated Installation >10' To 15', Add	1.61	
For Elevated Installation >15' To 20', Add	3.22	
For Elevated Installation >20' To 25', Add	4.03	
For Elevated Installation >25' To 30', Add	5.64	
For Elevated Installation >30' To 35', Add	6.44	
For Elevated Installation >35' To 40', Add	8.06	
For Elevated Installation >40', Add	8.86	
For Work In Restricted Working Space, Add	4.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.83	
26 05 33 13-1385 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.61	9.29
For Elevated Installation >10' To 15', Add	1.86	
For Elevated Installation >15' To 20', Add	3.72	
For Elevated Installation >20' To 25', Add	4.65	
For Elevated Installation >25' To 30', Add	6.50	
For Elevated Installation >30' To 35', Add	7.43	
For Elevated Installation >35' To 40', Add	9.29	
For Elevated Installation >40', Add	10.22	
For Work In Restricted Working Space, Add	5.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.57	
26 05 33 13-1386 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	48.99	11.76
For Elevated Installation >10' To 15', Add	2.35	
For Elevated Installation >15' To 20', Add	4.71	
For Elevated Installation >20' To 25', Add	5.89	
For Elevated Installation >25' To 30', Add	8.24	
For Elevated Installation >30' To 35', Add	9.42	
For Elevated Installation >35' To 40', Add	11.77	
For Elevated Installation >40', Add	12.95	
For Work In Restricted Working Space, Add	7.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.06	
26 05 33 13-1387 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	58.06	13.63
For Elevated Installation >10' To 15', Add	2.73	
For Elevated Installation >15' To 20', Add	5.45	
For Elevated Installation >20' To 25', Add	6.81	
For Elevated Installation >25' To 30', Add	9.54	
For Elevated Installation >30' To 35', Add	10.90	
For Elevated Installation >35' To 40', Add	13.63	
For Elevated Installation >40', Add	14.99	
For Work In Restricted Working Space, Add	8.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.18	
26 05 33 13-1388 EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	63.30	15.49
For Elevated Installation >10' To 15', Add	3.10	
For Elevated Installation >15' To 20', Add	6.19	
For Elevated Installation >20' To 25', Add	7.74	
For Elevated Installation >25' To 30', Add	10.84	
For Elevated Installation >30' To 35', Add	12.39	
For Elevated Installation >35' To 40', Add	15.49	
For Elevated Installation >40', Add	17.03	
For Work In Restricted Working Space, Add	9.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.29	
26 05 33 13-1389 EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	71.86	17.34
For Elevated Installation >10' To 15', Add	3.47	
For Elevated Installation >15' To 20', Add	6.94	
For Elevated Installation >20' To 25', Add	8.67	
For Elevated Installation >25' To 30', Add	12.14	
For Elevated Installation >30' To 35', Add	13.87	
For Elevated Installation >35' To 40', Add	17.34	
For Elevated Installation >40', Add	19.07	
For Work In Restricted Working Space, Add	10.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.40	
26 05 33 13-1390 EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	113.66	21.06
For Elevated Installation >10' To 15', Add	4.21	
For Elevated Installation >15' To 20', Add	8.42	
For Elevated Installation >20' To 25', Add	10.53	
For Elevated Installation >25' To 30', Add	14.74	
For Elevated Installation >30' To 35', Add	16.84	
For Elevated Installation >35' To 40', Add	21.06	
For Elevated Installation >40', Add	23.16	
For Work In Restricted Working Space, Add	12.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.63	
26 05 33 13-1391 EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	142.48	29.12
For Elevated Installation >10' To 15', Add	5.82	
For Elevated Installation >15' To 20', Add	11.64	
For Elevated Installation >20' To 25', Add	14.56	
For Elevated Installation >25' To 30', Add	20.38	
For Elevated Installation >30' To 35', Add	23.29	
For Elevated Installation >35' To 40', Add	29.11	
For Elevated Installation >40', Add	32.02	
For Work In Restricted Working Space, Add	17.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.47	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1392	EA		3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	159.29	32.83
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.57	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.13	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.98	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.26	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	32.83	
			<i>For Elevated Installation &gt;40', Add</i>	36.11	
			<i>For Work In Restricted Working Space, Add</i>	19.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.70	
26 05 33 13-1393	EA		4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	193.94	42.74
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.55	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.09	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.37	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.91	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	34.19	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	42.74	
			<i>For Elevated Installation &gt;40', Add</i>	47.01	
			<i>For Work In Restricted Working Space, Add</i>	25.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.64	
26 05 33 13-1394	EA		5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	285.46	58.84
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.77	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	23.54	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	29.42	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	41.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	47.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	58.84	
			<i>For Elevated Installation &gt;40', Add</i>	64.72	
			<i>For Work In Restricted Working Space, Add</i>	35.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.30	
26 05 33 13-1395	EA		1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	40.43	8.05
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.03	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.44	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.06	
			<i>For Elevated Installation &gt;40', Add</i>	8.86	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.83	
26 05 33 13-1396	EA		3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	43.53	9.29
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.65	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.50	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.29	
			<i>For Elevated Installation &gt;40', Add</i>	10.22	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1397	EA		1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	50.43	11.76
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.35	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.71	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.89	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.24	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.42	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.77	
			<i>For Elevated Installation &gt;40', Add</i>	12.95	
			<i>For Work In Restricted Working Space, Add</i>	7.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.06	
26 05 33 13-1398	EA		1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	58.37	13.63
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.73	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.63	
			<i>For Elevated Installation &gt;40', Add</i>	14.99	
			<i>For Work In Restricted Working Space, Add</i>	8.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33 13-1399	EA		1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	66.23	15.49
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.19	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
			<i>For Elevated Installation &gt;40', Add</i>	17.03	
			<i>For Work In Restricted Working Space, Add</i>	9.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1400 EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	79.02	17.34
For Elevated Installation >10' To 15', Add	3.47	
For Elevated Installation >15' To 20', Add	6.94	
For Elevated Installation >20' To 25', Add	8.67	
For Elevated Installation >25' To 30', Add	12.14	
For Elevated Installation >30' To 35', Add	13.87	
For Elevated Installation >35' To 40', Add	17.34	
For Elevated Installation >40', Add	19.07	
For Work In Restricted Working Space, Add	10.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.40	
26 05 33 13-1401 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	125.48	21.06
For Elevated Installation >10' To 15', Add	4.21	
For Elevated Installation >15' To 20', Add	8.42	
For Elevated Installation >20' To 25', Add	10.53	
For Elevated Installation >25' To 30', Add	14.74	
For Elevated Installation >30' To 35', Add	16.84	
For Elevated Installation >35' To 40', Add	21.06	
For Elevated Installation >40', Add	23.16	
For Work In Restricted Working Space, Add	12.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.63	
26 05 33 13-1402 EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	156.42	29.12
For Elevated Installation >10' To 15', Add	5.82	
For Elevated Installation >15' To 20', Add	11.64	
For Elevated Installation >20' To 25', Add	14.56	
For Elevated Installation >25' To 30', Add	20.38	
For Elevated Installation >30' To 35', Add	23.29	
For Elevated Installation >35' To 40', Add	29.11	
For Elevated Installation >40', Add	32.02	
For Work In Restricted Working Space, Add	17.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.47	
26 05 33 13-1403 EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	182.26	32.83
For Elevated Installation >10' To 15', Add	6.57	
For Elevated Installation >15' To 20', Add	13.13	
For Elevated Installation >20' To 25', Add	16.41	
For Elevated Installation >25' To 30', Add	22.98	
For Elevated Installation >30' To 35', Add	26.26	
For Elevated Installation >35' To 40', Add	32.83	
For Elevated Installation >40', Add	36.11	
For Work In Restricted Working Space, Add	19.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.70	
26 05 33 13-1404 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	217.18	42.74
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
For Work In Restricted Working Space, Add	25.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.64	
26 05 33 13-1405 EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	301.32	58.84
For Elevated Installation >10' To 15', Add	11.77	
For Elevated Installation >15' To 20', Add	23.54	
For Elevated Installation >20' To 25', Add	29.42	
For Elevated Installation >25' To 30', Add	41.19	
For Elevated Installation >30' To 35', Add	47.07	
For Elevated Installation >35' To 40', Add	58.84	
For Elevated Installation >40', Add	64.72	
For Work In Restricted Working Space, Add	35.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.30	
26 05 33 13-1406 EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	41.42	8.05
For Elevated Installation >10' To 15', Add	1.61	
For Elevated Installation >15' To 20', Add	3.22	
For Elevated Installation >20' To 25', Add	4.03	
For Elevated Installation >25' To 30', Add	5.64	
For Elevated Installation >30' To 35', Add	6.44	
For Elevated Installation >35' To 40', Add	8.06	
For Elevated Installation >40', Add	8.86	
For Work In Restricted Working Space, Add	4.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.83	
26 05 33 13-1407 EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	44.49	9.29
For Elevated Installation >10' To 15', Add	1.86	
For Elevated Installation >15' To 20', Add	3.72	
For Elevated Installation >20' To 25', Add	4.65	
For Elevated Installation >25' To 30', Add	6.50	
For Elevated Installation >30' To 35', Add	7.43	
For Elevated Installation >35' To 40', Add	9.29	
For Elevated Installation >40', Add	10.22	
For Work In Restricted Working Space, Add	5.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.57	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1408	EA	1" x 10"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....51.85		11.76
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.35	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.71	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.89	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.24	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.42	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.77	
			<i>For Elevated Installation &gt;40', Add</i>	12.95	
			<i>For Work In Restricted Working Space, Add</i>	7.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.06	
26 05 33 13-1409	EA	1-1/4" x 10"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....62.70		13.63
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.73	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.63	
			<i>For Elevated Installation &gt;40', Add</i>	14.99	
			<i>For Work In Restricted Working Space, Add</i>	8.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33 13-1410	EA	1-1/2" x 10"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....73.20		15.49
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.19	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
			<i>For Elevated Installation &gt;40', Add</i>	17.03	
			<i>For Work In Restricted Working Space, Add</i>	9.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33 13-1411	EA	2" x 10"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....89.55		17.34
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.47	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.94	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.67	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.14	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.87	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.34	
			<i>For Elevated Installation &gt;40', Add</i>	19.07	
			<i>For Work In Restricted Working Space, Add</i>	10.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.40	
26 05 33 13-1412	EA	2-1/2" x 10"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....137.98		21.06
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.21	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.42	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.53	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.74	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.84	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.06	
			<i>For Elevated Installation &gt;40', Add</i>	23.16	
			<i>For Work In Restricted Working Space, Add</i>	12.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.63	
26 05 33 13-1413	EA	3" x 10"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....174.28		29.12
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.82	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.64	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.56	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.29	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	29.11	
			<i>For Elevated Installation &gt;40', Add</i>	32.02	
			<i>For Work In Restricted Working Space, Add</i>	17.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.47	
26 05 33 13-1414	EA	3-1/2" x 10"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....206.39		32.83
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.57	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.13	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.98	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.26	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	32.83	
			<i>For Elevated Installation &gt;40', Add</i>	36.11	
			<i>For Work In Restricted Working Space, Add</i>	19.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.70	
26 05 33 13-1415	EA	4" x 10"	Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....257.84		42.74
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.55	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.09	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.37	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.91	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	34.19	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	42.74	
			<i>For Elevated Installation &gt;40', Add</i>	47.01	
			<i>For Work In Restricted Working Space, Add</i>	25.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1416 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	332.98	58.84
<i>For Elevated Installation &gt;10' To 15', Add</i>	11.77	
<i>For Elevated Installation &gt;15' To 20', Add</i>	23.54	
<i>For Elevated Installation &gt;20' To 25', Add</i>	29.42	
<i>For Elevated Installation &gt;25' To 30', Add</i>	41.19	
<i>For Elevated Installation &gt;30' To 35', Add</i>	47.07	
<i>For Elevated Installation &gt;35' To 40', Add</i>	58.84	
<i>For Elevated Installation &gt;40', Add</i>	64.72	
<i>For Work In Restricted Working Space, Add</i>	35.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.30	
26 05 33 13-1417 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.43	8.05
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.03	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.64	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.44	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.06	
<i>For Elevated Installation &gt;40', Add</i>	8.86	
<i>For Work In Restricted Working Space, Add</i>	4.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.83	
26 05 33 13-1418 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	45.62	9.29
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.86	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.65	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.50	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.43	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.29	
<i>For Elevated Installation &gt;40', Add</i>	10.22	
<i>For Work In Restricted Working Space, Add</i>	5.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1419 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	55.46	11.76
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.35	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.71	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.89	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.24	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.42	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.77	
<i>For Elevated Installation &gt;40', Add</i>	12.95	
<i>For Work In Restricted Working Space, Add</i>	7.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.06	
26 05 33 13-1420 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	69.81	13.63
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.73	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.45	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.81	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.54	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.90	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.63	
<i>For Elevated Installation &gt;40', Add</i>	14.99	
<i>For Work In Restricted Working Space, Add</i>	8.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33 13-1421 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	81.63	15.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.19	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
<i>For Elevated Installation &gt;40', Add</i>	17.03	
<i>For Work In Restricted Working Space, Add</i>	9.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33 13-1422 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	98.01	17.34
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.47	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.94	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.67	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.14	
<i>For Elevated Installation &gt;30' To 35', Add</i>	13.87	
<i>For Elevated Installation &gt;35' To 40', Add</i>	17.34	
<i>For Elevated Installation &gt;40', Add</i>	19.07	
<i>For Work In Restricted Working Space, Add</i>	10.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.40	
26 05 33 13-1423 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	154.66	21.06
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.21	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.42	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.53	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.74	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.84	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.06	
<i>For Elevated Installation &gt;40', Add</i>	23.16	
<i>For Work In Restricted Working Space, Add</i>	12.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.63	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1424 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	201.05	29.12
For Elevated Installation >10' To 15', Add	5.82	
For Elevated Installation >15' To 20', Add	11.64	
For Elevated Installation >20' To 25', Add	14.56	
For Elevated Installation >25' To 30', Add	20.38	
For Elevated Installation >30' To 35', Add	23.29	
For Elevated Installation >35' To 40', Add	29.11	
For Elevated Installation >40', Add	32.02	
For Work In Restricted Working Space, Add	17.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.47	
26 05 33 13-1425 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	221.20	32.83
For Elevated Installation >10' To 15', Add	6.57	
For Elevated Installation >15' To 20', Add	13.13	
For Elevated Installation >20' To 25', Add	16.41	
For Elevated Installation >25' To 30', Add	22.98	
For Elevated Installation >30' To 35', Add	26.26	
For Elevated Installation >35' To 40', Add	32.83	
For Elevated Installation >40', Add	36.11	
For Work In Restricted Working Space, Add	19.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.70	
26 05 33 13-1426 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	270.32	42.74
For Elevated Installation >10' To 15', Add	8.55	
For Elevated Installation >15' To 20', Add	17.09	
For Elevated Installation >20' To 25', Add	21.37	
For Elevated Installation >25' To 30', Add	29.91	
For Elevated Installation >30' To 35', Add	34.19	
For Elevated Installation >35' To 40', Add	42.74	
For Elevated Installation >40', Add	47.01	
For Work In Restricted Working Space, Add	25.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.64	
26 05 33 13-1427 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	337.50	58.84
For Elevated Installation >10' To 15', Add	11.77	
For Elevated Installation >15' To 20', Add	23.54	
For Elevated Installation >20' To 25', Add	29.42	
For Elevated Installation >25' To 30', Add	41.19	
For Elevated Installation >30' To 35', Add	47.07	
For Elevated Installation >35' To 40', Add	58.84	
For Elevated Installation >40', Add	64.72	
For Work In Restricted Working Space, Add	35.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.30	
<b>26 05 33 13-1428 Aluminum Rigid Conduit (ARC)</b> <small>(26 05 33 13-0058)</small>		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
<b>26 05 33 13-1429 Aluminum Rigid Conduit (ARC) With Threaded Coupling</b> <small>(26 05 33 13-1428)</small>		
Note: Includes field bend conduit up to 1".		
26 05 33 13-1430 LF 1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	5.78	1.91
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.71	
For Work In Restricted Working Space, Add	1.43	
26 05 33 13-1431 LF 3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	6.60	2.10
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.79	
For Work In Restricted Working Space, Add	1.58	
26 05 33 13-1432 LF 1" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	7.64	2.29
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.86	
For Work In Restricted Working Space, Add	1.72	
26 05 33 13-1433 LF 1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	8.72	2.48
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.93	
For Work In Restricted Working Space, Add	1.86	
26 05 33 13-1434 LF 1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	9.80	2.67
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.00	
For Work In Restricted Working Space, Add	2.00	
26 05 33 13-1435 LF 2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	11.81	3.05
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.14	
For Work In Restricted Working Space, Add	2.29	
26 05 33 13-1436 LF 2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	16.15	3.81
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.43	
For Work In Restricted Working Space, Add	2.86	
26 05 33 13-1437 LF 3" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	20.13	4.57
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.71	
For Work In Restricted Working Space, Add	3.43	
26 05 33 13-1438 LF 3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	24.73	5.72
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.14	
For Work In Restricted Working Space, Add	4.29	
26 05 33 13-1439 LF 4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	30.46	7.24
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.72	
For Work In Restricted Working Space, Add	5.43	
26 05 33 13-1440 LF 5" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	40.56	9.15
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.43	
For Work In Restricted Working Space, Add	6.86	
26 05 33 13-1441 LF 6" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	51.86	11.43
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.29	
For Work In Restricted Working Space, Add	8.57	

26 05 33 13-1442 Aluminum 90 Degree Elbows (26 05 33 13-1428)





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1443 EA 1" Aluminum 90 Degree Elbow .....	35.55	9.91
For Work In Restricted Working Space, Add	7.43	
26 05 33 13-1444 EA 1-1/4" Aluminum 90 Degree Elbow .....	45.23	11.24
For Work In Restricted Working Space, Add	8.43	
26 05 33 13-1445 EA 1-1/2" Aluminum 90 Degree Elbow .....	55.18	12.96
For Work In Restricted Working Space, Add	9.72	
26 05 33 13-1446 EA 2" Aluminum 90 Degree Elbow .....	70.70	14.86
For Work In Restricted Working Space, Add	11.15	
26 05 33 13-1447 EA 2-1/2" Aluminum 90 Degree Elbow .....	101.78	18.10
For Work In Restricted Working Space, Add	13.58	
26 05 33 13-1448 EA 3" Aluminum 90 Degree Elbow .....	145.90	23.44
For Work In Restricted Working Space, Add	17.58	
26 05 33 13-1449 EA 3-1/2" Aluminum 90 Degree Elbow .....	201.91	26.30
For Work In Restricted Working Space, Add	19.73	
26 05 33 13-1450 EA 4" Aluminum 90 Degree Elbow .....	243.86	32.97
For Work In Restricted Working Space, Add	24.73	
26 05 33 13-1451 EA 5" Aluminum 90 Degree Elbow .....	611.71	53.75
For Work In Restricted Working Space, Add	40.31	
26 05 33 13-1452 EA 6" Aluminum 90 Degree Elbow .....	862.47	80.81
For Work In Restricted Working Space, Add	60.61	
<b>26 05 33 13-1453 Aluminum Bushing Set With Locknut</b> <small>(26 05 33 13-1428)</small>		
26 05 33 13-1454 EA 1/2" Aluminum Bushing Set With Locknut.....	10.35	3.81
For Work In Restricted Working Space, Add	2.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.86	
26 05 33 13-1455 EA 3/4" Aluminum Bushing Set With Locknut.....	15.69	4.95
For Work In Restricted Working Space, Add	3.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.72	
26 05 33 13-1456 EA 1" Aluminum Bushing Set With Locknut.....	15.77	6.10
For Work In Restricted Working Space, Add	4.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.57	
26 05 33 13-1457 EA 1-1/4" Aluminum Bushing Set With Locknut .....	17.74	6.86
For Work In Restricted Working Space, Add	5.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.15	
26 05 33 13-1458 EA 1-1/2" Aluminum Bushing Set With Locknut .....	21.72	8.38
For Work In Restricted Working Space, Add	6.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.29	
26 05 33 13-1459 EA 2" Aluminum Bushing Set With Locknut.....	26.50	10.10
For Work In Restricted Working Space, Add	7.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.58	
26 05 33 13-1460 EA 2-1/2" Aluminum Bushing Set With Locknut .....	32.57	12.01
For Work In Restricted Working Space, Add	9.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.01	
26 05 33 13-1461 EA 3" Aluminum Bushing Set With Locknut.....	38.08	13.72
For Work In Restricted Working Space, Add	10.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.29	
26 05 33 13-1462 EA 3-1/2" Aluminum Bushing Set With Locknut .....	41.18	14.86
For Work In Restricted Working Space, Add	11.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.15	
26 05 33 13-1463 EA 4" Aluminum Bushing Set With Locknut.....	44.85	16.01
For Work In Restricted Working Space, Add	12.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.01	
26 05 33 13-1464 EA 5" Aluminum Bushing Set With Locknut.....	59.42	21.34
For Work In Restricted Working Space, Add	16.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.01	
26 05 33 13-1465 EA 6" Aluminum Bushing Set With Locknut.....	88.35	32.01
For Work In Restricted Working Space, Add	24.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.02	
<b>26 05 33 13-1466 Schedule 40 Polyvinyl Chloride (PVC) Conduit</b> <small>(26 05 33 13-0058)</small>		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
<b>26 05 33 13-1467 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings</b> <small>(26 05 33 13-1468)</small>		
Note: Includes field bend conduit up to 1".		
26 05 33 13-1468 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End .....	4.38	1.47
For Schedule 80, Add	0.61	
For Schedule 60, Add	0.36	
26 05 33 13-1469 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End .....	4.97	1.62
For Schedule 80, Add	0.73	
For Schedule 60, Add	0.43	
26 05 33 13-1470 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End .....	6.10	1.88
For Schedule 80, Add	0.96	
For Schedule 60, Add	0.58	
26 05 33 13-1471 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End .....	7.22	2.15
For Schedule 80, Add	1.18	
For Schedule 60, Add	0.73	
26 05 33 13-1472 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End .....	8.49	2.51
For Schedule 80, Add	1.40	
For Schedule 60, Add	0.86	
26 05 33 13-1473 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End .....	10.09	2.88
For Schedule 80, Add	1.73	
For Schedule 60, Add	1.08	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1474 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End .....	13.16	3.42
For Schedule 80, Add	2.47	
For Schedule 60, Add	1.58	
26 05 33 13-1475 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End .....	15.40	3.96
For Schedule 80, Add	2.92	
For Schedule 60, Add	1.87	
26 05 33 13-1476 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End .....	18.72	4.68
For Schedule 80, Add	3.63	
For Schedule 60, Add	2.34	
26 05 33 13-1477 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End .....	22.13	5.75
For Schedule 80, Add	4.15	
For Schedule 60, Add	2.65	
26 05 33 13-1478 LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End .....	31.53	8.10
For Schedule 80, Add	5.98	
For Schedule 60, Add	3.84	
26 05 33 13-1479 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End .....	41.89	10.79
For Schedule 80, Add	7.92	
For Schedule 60, Add	5.08	
<b>26 05 33 13-1480 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows</b> <small>(26 05 33 13-1466)</small>		
See CSI section 26 05 33 13-2258 for conduit field bending.		
26 05 33 13-1481 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	19.80	7.19
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	2.43	
For Schedule 60, Add	1.35	
26 05 33 13-1482 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	21.93	7.92
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	2.73	
For Schedule 60, Add	1.53	
26 05 33 13-1483 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	25.85	8.99
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	3.43	
For Schedule 60, Add	1.97	
26 05 33 13-1484 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	33.65	11.51
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	4.59	
For Schedule 60, Add	2.66	
26 05 33 13-1485 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	42.59	14.39
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	5.92	
For Schedule 60, Add	3.46	
26 05 33 13-1486 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	54.03	17.99
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	7.67	
For Schedule 60, Add	4.52	
26 05 33 13-1487 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	70.24	21.58
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	11.10	
For Schedule 60, Add	6.77	
26 05 33 13-1488 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	89.76	25.17
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	15.68	
For Schedule 60, Add	9.85	
26 05 33 13-1489 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	113.82	30.57
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	20.73	
For Schedule 60, Add	13.17	
26 05 33 13-1490 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	138.04	35.96
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	25.84	
For Schedule 60, Add	16.53	
26 05 33 13-1491 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	196.79	44.95
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	40.78	
For Schedule 60, Add	26.72	
26 05 33 13-1492 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	242.51	53.95
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	51.16	
For Schedule 60, Add	33.66	
<b>26 05 33 13-1493 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows</b> <small>(26 05 33 13-1466)</small>		
See CSI section 26 05 33 13-2258 for conduit field bending.		
26 05 33 13-1494 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow .....	19.80	7.19
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	2.43	
For Schedule 60, Add	1.35	
26 05 33 13-1495 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow .....	21.79	7.92
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	2.68	
For Schedule 60, Add	1.49	
26 05 33 13-1496 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow .....	25.67	8.99
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	3.37	
For Schedule 60, Add	1.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1497 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	33.12	11.51
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	4.40	
For Schedule 60, Add	2.53	
26 05 33 13-1498 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	41.37	14.39
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	5.49	
For Schedule 60, Add	3.15	
26 05 33 13-1499 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	53.38	17.99
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	7.45	
For Schedule 60, Add	4.36	
26 05 33 13-1500 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	69.03	21.58
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	10.67	
For Schedule 60, Add	6.47	
26 05 33 13-1501 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	88.22	25.17
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	15.14	
For Schedule 60, Add	9.47	
26 05 33 13-1502 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	109.51	30.57
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	19.22	
For Schedule 60, Add	12.09	
26 05 33 13-1503 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	134.34	35.96
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	24.54	
For Schedule 60, Add	15.60	
26 05 33 13-1504 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	191.99	44.95
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	39.10	
For Schedule 60, Add	25.52	
26 05 33 13-1505 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	228.20	53.95
See CSI section 26 05 33 13-2258 for conduit field bending.		
For Schedule 80, Add	46.16	
For Schedule 60, Add	30.08	
<b>26 05 33 13-1506 Polyvinyl Chloride (PVC) Conduit Female Adapters (26 05 33 13-1466)</b>		
26 05 33 13-1507 EA 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	13.42	5.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.78	
26 05 33 13-1508 EA 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	15.51	5.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.32	
26 05 33 13-1509 EA 1" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	17.73	6.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.85	
26 05 33 13-1510 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	20.12	7.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.40	
26 05 33 13-1511 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	24.77	8.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.74	
26 05 33 13-1512 EA 2" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	30.21	10.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.09	
26 05 33 13-1513 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	42.06	14.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.79	
26 05 33 13-1514 EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	53.29	17.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.49	
26 05 33 13-1515 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	69.06	23.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.53	
26 05 33 13-1516 EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	82.96	28.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.58	
26 05 33 13-1517 EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	112.07	35.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.97	
26 05 33 13-1518 EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	139.10	44.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.71	
<b>26 05 33 13-1519 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug (26 05 33 13-1466)</b>		
26 05 33 13-1520 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	17.73	4.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.24	
26 05 33 13-1521 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	19.99	5.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.78	
26 05 33 13-1522 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	22.30	5.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.32	
26 05 33 13-1523 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	27.05	6.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.85	
26 05 33 13-1524 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	30.15	7.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.40	
26 05 33 13-1525 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	36.58	8.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.20	
26 05 33 13-1526 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	40.80	9.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.01	
26 05 33 13-1527 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	45.90	10.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.09	
26 05 33 13-1528 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	54.66	12.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.44	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1529 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug .....	59.52	14.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.79	
26 05 33 13-1530 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug .....	77.24	16.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.14	
26 05 33 13-1531 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug .....	86.98	17.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.49	
<b>26 05 33 13-1532 Polyvinyl Chloride (PVC) Conduit Terminal Adapters (26 05 33 13-1466)</b>		
26 05 33 13-1533 EA 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter .....	14.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.15	
26 05 33 13-1534 EA 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter .....	17.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-1535 EA 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter .....	19.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.52	
26 05 33 13-1536 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter .....	22.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.15	
26 05 33 13-1537 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter .....	24.47	8.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.74	
26 05 33 13-1538 EA 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter .....	29.80	10.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.09	
26 05 33 13-1539 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter .....	41.23	14.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.79	
26 05 33 13-1540 EA 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter .....	52.15	17.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.49	
26 05 33 13-1541 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter .....	67.60	23.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 05 33 13-1542 EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter .....	81.46	28.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.58	
26 05 33 13-1543 EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter .....	109.12	35.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.97	
26 05 33 13-1544 EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter .....	135.55	44.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.71	
<b>26 05 33 13-1545 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover (26 05 33 13-1466)</b>		
26 05 33 13-1546 EA 1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	43.90	14.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.79	
26 05 33 13-1547 EA 3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	51.68	16.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.14	
26 05 33 13-1548 EA 1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	57.35	17.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.49	
26 05 33 13-1549 EA 1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	71.66	21.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.19	
26 05 33 13-1550 EA 1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	88.14	26.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 05 33 13-1551 EA 2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	117.64	32.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.28	
26 05 33 13-1552 EA 2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	228.57	35.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.97	
26 05 33 13-1553 EA 3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	242.35	39.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.67	
26 05 33 13-1554 EA 3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	260.57	44.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.71	
26 05 33 13-1555 EA 4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	288.14	52.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.11	
<b>26 05 33 13-1556 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover (26 05 33 13-1466)</b>		
26 05 33 13-1557 EA 1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....	58.20	19.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.29	
26 05 33 13-1558 EA 3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....	65.62	20.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.72	
26 05 33 13-1559 EA 1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....	70.64	22.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.15	
26 05 33 13-1560 EA 1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....	91.09	26.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.01	
26 05 33 13-1561 EA 1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....	109.75	32.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.30	
26 05 33 13-1562 EA 2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....	137.22	38.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.59	
<b>26 05 33 13-1563 Polyvinyl Chloride (PVC) Conduit Expansion Joint (26 05 33 13-1466)</b>		
26 05 33 13-1564 EA 1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint .....	113.13	17.99
26 05 33 13-1565 EA 3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint .....	123.82	21.58
26 05 33 13-1566 EA 1" Polyvinyl Chloride (PVC) Conduit Expansion Joint .....	135.53	25.17
26 05 33 13-1567 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint .....	146.21	28.77
26 05 33 13-1568 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint .....	156.47	32.36
26 05 33 13-1569 EA 2" Polyvinyl Chloride (PVC) Conduit Expansion Joint .....	169.89	35.96
26 05 33 13-1570 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint .....	211.62	41.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1571 EA 3" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	257.38	46.75
26 05 33 13-1572 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	302.34	53.95
26 05 33 13-1573 EA 4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	361.36	62.94
26 05 33 13-1574 EA 5" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	487.76	75.52
26 05 33 13-1575 EA 6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	644.52	97.10
<b>26 05 33 13-1576 Polyvinyl Chloride (PVC) Conduit End Caps</b> <small>(26 05 33 13-1466)</small>		
26 05 33 13-1577 EA 1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	12.55	3.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.70	
26 05 33 13-1578 EA 3/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	14.74	4.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.24	
26 05 33 13-1579 EA 1" Polyvinyl Chloride (PVC) Conduit End Cap.....	16.85	5.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.78	
26 05 33 13-1580 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	20.52	5.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.32	
26 05 33 13-1581 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	24.24	6.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.85	
26 05 33 13-1582 EA 2" Polyvinyl Chloride (PVC) Conduit End Cap.....	29.21	7.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.40	
26 05 33 13-1583 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	44.64	8.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.20	
26 05 33 13-1584 EA 3" Polyvinyl Chloride (PVC) Conduit End Cap.....	48.46	9.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.01	
26 05 33 13-1585 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	64.16	10.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82	
26 05 33 13-1586 EA 4" Polyvinyl Chloride (PVC) Conduit End Cap.....	79.75	11.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.36	
26 05 33 13-1587 EA 5" Polyvinyl Chloride (PVC) Conduit End Cap.....	92.81	12.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.44	
26 05 33 13-1588 EA 6" Polyvinyl Chloride (PVC) Conduit End Cap.....	119.65	14.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.79	
<b>26 05 33 13-1589 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways)</b> <small>(26 05 33 13-1466)</small>		
26 05 33 13-1590 EA 2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200).....	115.85	32.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.28	
26 05 33 13-1591 EA 3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121).....	124.48	21.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.19	
26 05 33 13-1592 EA 1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251).....	306.12	35.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.97	
26 05 33 13-1593 EA 3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401).....	600.83	52.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.11	
<b>26 05 33 13-1594 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit</b> <small>(26 05 33 13-0058)</small>		
<i>Note: Exposed installation. Excludes supporting strap, hanger and fastening.</i>		
<b>26 05 33 13-1595 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit</b> <small>(26 05 33 13-1594)</small>		
26 05 33 13-1596 LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	9.38	1.47
26 05 33 13-1597 LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	10.47	1.62
26 05 33 13-1598 LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	11.51	1.87
26 05 33 13-1599 LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	12.55	2.15
26 05 33 13-1600 LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	14.03	2.51
26 05 33 13-1601 LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	15.14	2.88
26 05 33 13-1602 LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	18.06	3.42
26 05 33 13-1603 LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	21.32	3.96
26 05 33 13-1604 LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	24.54	4.68
26 05 33 13-1605 LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	28.67	5.75
26 05 33 13-1606 LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	38.07	8.10
26 05 33 13-1607 LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	49.29	10.79
<b>26 05 33 13-1608 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows</b> <small>(26 05 33 13-1594)</small>		
26 05 33 13-1609 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	123.42	7.19
<i>For 24" Radius, Add</i>	8.81	
<i>For 36" Radius, Add</i>	12.34	
<i>For 48" Radius, Add</i>	15.88	
26 05 33 13-1610 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	137.81	7.92
<i>For 24" Radius, Add</i>	9.84	
<i>For 36" Radius, Add</i>	13.78	
<i>For 48" Radius, Add</i>	17.72	
26 05 33 13-1611 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	141.70	8.99
<i>For 24" Radius, Add</i>	10.07	
<i>For 36" Radius, Add</i>	14.17	
<i>For 48" Radius, Add</i>	18.27	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1612	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	149.16	11.51
			For 24" Radius, Add	10.47	
			For 36" Radius, Add	14.92	
			For 48" Radius, Add	19.36	
26 05 33 13-1613	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	157.55	14.39
			For 24" Radius, Add	10.92	
			For 36" Radius, Add	15.76	
			For 48" Radius, Add	20.59	
26 05 33 13-1614	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	183.31	17.99
			For 24" Radius, Add	12.62	
			For 36" Radius, Add	18.33	
			For 48" Radius, Add	24.04	
26 05 33 13-1615	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	219.55	21.58
			For 24" Radius, Add	15.12	
			For 36" Radius, Add	21.96	
			For 48" Radius, Add	28.79	
26 05 33 13-1616	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	261.66	25.17
			For 24" Radius, Add	18.05	
			For 36" Radius, Add	26.17	
			For 48" Radius, Add	34.28	
26 05 33 13-1617	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	299.98	30.57
			For 24" Radius, Add	20.59	
			For 36" Radius, Add	30.00	
			For 48" Radius, Add	39.41	
26 05 33 13-1618	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	338.31	35.96
			For 24" Radius, Add	23.13	
			For 36" Radius, Add	33.83	
			For 48" Radius, Add	44.54	
26 05 33 13-1619	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	422.88	44.95
			For 24" Radius, Add	28.91	
			For 36" Radius, Add	42.29	
			For 48" Radius, Add	55.67	
26 05 33 13-1620	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	522.98	53.95
			For 24" Radius, Add	35.85	
			For 36" Radius, Add	52.30	
			For 48" Radius, Add	68.74	
26 05 33 13-1621			<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows</b> <small>(26 05 33 13-1594)</small>		
26 05 33 13-1622	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	104.44	7.19
			For 24" Radius, Add	7.38	
			For 36" Radius, Add	10.44	
			For 48" Radius, Add	13.50	
26 05 33 13-1623	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	116.57	7.92
			For 24" Radius, Add	8.25	
			For 36" Radius, Add	11.66	
			For 48" Radius, Add	15.07	
26 05 33 13-1624	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	120.24	8.99
			For 24" Radius, Add	8.46	
			For 36" Radius, Add	12.02	
			For 48" Radius, Add	15.59	
26 05 33 13-1625	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	127.49	11.51
			For 24" Radius, Add	8.84	
			For 36" Radius, Add	12.75	
			For 48" Radius, Add	16.66	
26 05 33 13-1626	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	135.66	14.39
			For 24" Radius, Add	9.28	
			For 36" Radius, Add	13.57	
			For 48" Radius, Add	17.86	
26 05 33 13-1627	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	158.40	17.99
			For 24" Radius, Add	10.76	
			For 36" Radius, Add	15.84	
			For 48" Radius, Add	20.92	
26 05 33 13-1628	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	189.74	21.58
			For 24" Radius, Add	12.88	
			For 36" Radius, Add	18.97	
			For 48" Radius, Add	25.07	
26 05 33 13-1629	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	225.89	25.17
			For 24" Radius, Add	15.37	
			For 36" Radius, Add	22.59	
			For 48" Radius, Add	29.81	
26 05 33 13-1630	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	259.74	30.57
			For 24" Radius, Add	17.57	
			For 36" Radius, Add	25.97	
			For 48" Radius, Add	34.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1631 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	293.60 19.77 29.36 38.95	35.96
26 05 33 13-1632 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	366.99 24.71 36.70 48.68	44.95
26 05 33 13-1633 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	453.12 30.61 45.31 60.01	53.95
<b>26 05 33 13-1634     Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows</b> <small>(26 05 33 13-1594)</small>		
26 05 33 13-1635 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	97.36 6.90 9.74 12.57	6.47
26 05 33 13-1636 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	108.69 7.71 10.87 14.03	7.12
26 05 33 13-1637 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	112.04 7.90 11.20 14.51	8.10
26 05 33 13-1638 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	118.59 8.25 11.86 15.47	10.36
26 05 33 13-1639 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	125.98 8.64 12.60 16.56	12.95
26 05 33 13-1640 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	146.99 10.01 14.70 19.39	16.18
26 05 33 13-1641 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	176.06 11.99 17.61 23.22	19.42
26 05 33 13-1642 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	209.65 14.31 20.97 27.62	22.66
26 05 33 13-1643 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	240.92 16.35 24.09 31.83	27.51
26 05 33 13-1644 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	272.19 18.39 27.22 36.05	32.36
26 05 33 13-1645 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	340.24 22.99 34.02 45.06	40.46
26 05 33 13-1646 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	420.24 28.48 42.02 55.56	48.55
<b>26 05 33 13-1647     Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows</b> <small>(26 05 33 13-1594)</small>		
26 05 33 13-1648 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	92.09 6.50 9.21 11.92	6.47
26 05 33 13-1649 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	102.79 7.26 10.28 13.29	7.12

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1650 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	106.08	8.10
For 24" Radius, Add	7.45	
For 36" Radius, Add	10.61	
For 48" Radius, Add	13.77	
26 05 33 13-1651 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	112.57	10.36
For 24" Radius, Add	7.80	
For 36" Radius, Add	11.26	
For 48" Radius, Add	14.72	
26 05 33 13-1652 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	119.90	12.95
For 24" Radius, Add	8.18	
For 36" Radius, Add	11.99	
For 48" Radius, Add	15.80	
26 05 33 13-1653 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	140.08	16.18
For 24" Radius, Add	9.49	
For 36" Radius, Add	14.01	
For 48" Radius, Add	18.52	
26 05 33 13-1654 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	167.78	19.42
For 24" Radius, Add	11.37	
For 36" Radius, Add	16.78	
For 48" Radius, Add	22.19	
26 05 33 13-1655 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	199.72	22.66
For 24" Radius, Add	13.56	
For 36" Radius, Add	19.97	
For 48" Radius, Add	26.38	
26 05 33 13-1656 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	229.74	27.51
For 24" Radius, Add	15.51	
For 36" Radius, Add	22.97	
For 48" Radius, Add	30.44	
26 05 33 13-1657 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	259.77	32.36
For 24" Radius, Add	17.46	
For 36" Radius, Add	25.98	
For 48" Radius, Add	34.49	
26 05 33 13-1658 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	324.71	40.46
For 24" Radius, Add	21.82	
For 36" Radius, Add	32.47	
For 48" Radius, Add	43.12	
26 05 33 13-1659 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	400.83	48.55
For 24" Radius, Add	27.03	
For 36" Radius, Add	40.08	
For 48" Radius, Add	53.14	
<b>26 05 33 13-1660 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings</b> <small>(26 05 33 13-1594)</small>		
26 05 33 13-1661 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	56.24	5.03
26 05 33 13-1662 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	63.03	5.75
26 05 33 13-1663 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	65.32	6.47
26 05 33 13-1664 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	67.54	7.19
26 05 33 13-1665 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	73.02	8.99
26 05 33 13-1666 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	87.16	10.79
26 05 33 13-1667 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	108.41	14.39
26 05 33 13-1668 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	131.89	17.99
26 05 33 13-1669 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	156.25	23.38
26 05 33 13-1670 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	180.60	28.77
26 05 33 13-1671 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	225.75	35.96
26 05 33 13-1672 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	282.12	44.95
<b>26 05 33 13-1673 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings</b> <small>(26 05 33 13-1594)</small>		
26 05 33 13-1674 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	37.22	5.03
26 05 33 13-1675 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	41.75	5.75
26 05 33 13-1676 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	43.84	6.47
26 05 33 13-1677 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	45.94	7.19
26 05 33 13-1678 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	50.70	8.99
26 05 33 13-1679 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	55.37	10.79
26 05 33 13-1680 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	70.03	14.39
26 05 33 13-1681 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	85.86	17.99
26 05 33 13-1682 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	104.46	23.38
26 05 33 13-1683 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	123.05	28.77
26 05 33 13-1684 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	153.87	35.96
26 05 33 13-1685 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	192.28	44.95





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 05 33 13-1686</b>			
<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings</b> <small>(26 05 33 13-1594)</small>			
26 05 33 13-1687	EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	43.21	4.14
26 05 33 13-1688	EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	48.42	5.75
26 05 33 13-1689	EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	50.58	6.47
26 05 33 13-1690	EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	52.60	7.19
26 05 33 13-1691	EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	57.87	8.99
26 05 33 13-1692	EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	69.12	10.79
26 05 33 13-1693	EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	86.51	14.39
26 05 33 13-1694	EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	105.60	17.99
26 05 33 13-1695	EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	126.67	23.38
26 05 33 13-1696	EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	147.72	28.77
26 05 33 13-1697	EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	184.63	35.96
26 05 33 13-1698	EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	230.82	44.95

<b>26 05 33 13-1699</b>			
<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints</b> <small>(26 05 33 13-1594)</small>			
26 05 33 13-1700	EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	78.69	17.99
26 05 33 13-1701	EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	91.38	21.58
26 05 33 13-1702	EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	100.78	25.17
26 05 33 13-1703	EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	110.01	28.77
26 05 33 13-1704	EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	119.88	32.36
26 05 33 13-1705	EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	136.28	35.96
26 05 33 13-1706	EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	159.04	41.36
26 05 33 13-1707	EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	183.66	46.75
26 05 33 13-1708	EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	209.98	53.95
26 05 33 13-1709	EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	240.80	62.94
26 05 33 13-1710	EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	284.15	71.92
26 05 33 13-1711	EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	332.70	80.92

<b>26 05 33 13-1712</b>			
<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints</b> <small>(26 05 33 13-1594)</small>			
26 05 33 13-1713	EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	92.39	17.99
26 05 33 13-1714	EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	106.73	21.58
26 05 33 13-1715	EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	116.22	25.17
26 05 33 13-1716	EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	125.62	28.77
26 05 33 13-1717	EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	135.61	32.36
26 05 33 13-1718	EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	154.25	35.96
26 05 33 13-1719	EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	180.61	41.36
26 05 33 13-1720	EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	209.53	46.75
26 05 33 13-1721	EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	239.11	53.95
26 05 33 13-1722	EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	273.18	62.94
26 05 33 13-1723	EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	324.72	71.92
26 05 33 13-1724	EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	383.42	80.92

<b>26 05 33 13-1725</b>			
<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters</b> <small>(26 05 33 13-1594)</small>			
26 05 33 13-1726	EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	125.40	5.03
26 05 33 13-1727	EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	139.71	5.75
26 05 33 13-1728	EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	145.35	6.47
26 05 33 13-1729	EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	151.17	7.19
26 05 33 13-1730	EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	157.72	8.99
26 05 33 13-1731	EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	175.10	10.79
26 05 33 13-1732	EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	213.73	14.39
26 05 33 13-1733	EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	258.16	17.99
26 05 33 13-1734	EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	298.31	23.38
26 05 33 13-1735	EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	338.45	28.77
26 05 33 13-1736	EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	423.18	35.96
26 05 33 13-1737	EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	526.38	44.95

<b>26 05 33 13-1738</b>			
<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints</b> <small>(26 05 33 13-1594)</small>			
26 05 33 13-1739	EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	116.22	17.99
26 05 33 13-1740	EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	133.15	21.58
26 05 33 13-1741	EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	160.78	25.17
26 05 33 13-1742	EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	203.83	28.77
26 05 33 13-1743	EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	261.75	32.36
26 05 33 13-1744	EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	357.90	35.96
26 05 33 13-1745	EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	525.10	41.36
26 05 33 13-1746	EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	639.79	46.75
26 05 33 13-1747	EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	777.96	53.95
26 05 33 13-1748	EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	920.62	62.94
26 05 33 13-1749	EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	1,086.48	71.92
26 05 33 13-1750	EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	1,741.51	80.92

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1751			<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover</b> <small>(26 05 33 13-1594)</small>		
26 05 33 13-1752	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	99.05	14.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	10.79	
26 05 33 13-1753	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	115.69	16.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	12.14	
26 05 33 13-1754	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	159.65	17.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.49	
26 05 33 13-1755	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	195.64	21.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	16.19	
26 05 33 13-1756	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	249.61	26.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	20.23	
26 05 33 13-1757	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	350.81	32.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	24.28	
26 05 33 13-1758	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	600.45	37.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	28.32	
26 05 33 13-1759	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	782.63	43.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	32.37	
26 05 33 13-1760	EA		3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	943.98	50.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	37.76	
26 05 33 13-1761	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	1,105.35	57.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	43.16	
26 05 33 13-1762	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	1,308.86	64.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	48.55	
26 05 33 13-1763	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	1,487.10	71.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	53.95	
26 05 33 13-1764			<b>Explosion Proof Conduit Fittings</b> <small>(26 05 33 13-0058)</small> Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.		
26 05 33 13-1765			<b>Explosion Proof Malleable Iron Conduit Unions</b> <small>(26 05 33 13-1764)</small>		
26 05 33 13-1766	EA		1/2" Explosion Proof Malleable Iron Conduit Union.....	41.39	7.95
26 05 33 13-1767	EA		3/4" Explosion Proof Malleable Iron Conduit Union.....	51.57	8.78
26 05 33 13-1768	EA		1" Explosion Proof Malleable Iron Conduit Union.....	83.04	11.70
26 05 33 13-1769	EA		1-1/4" Explosion Proof Malleable Iron Conduit Union.....	111.31	12.96
26 05 33 13-1770	EA		1-1/2" Explosion Proof Malleable Iron Conduit Union.....	140.31	15.88
26 05 33 13-1771	EA		2" Explosion Proof Malleable Iron Conduit Union.....	175.55	18.39
26 05 33 13-1772	EA		2-1/2" Explosion Proof Malleable Iron Conduit Union.....	268.08	26.29
26 05 33 13-1773	EA		3" Explosion Proof Malleable Iron Conduit Union.....	341.88	31.29
26 05 33 13-1774	EA		3-1/2" Explosion Proof Malleable Iron Conduit Union.....	582.33	37.56
26 05 33 13-1775	EA		4" Explosion Proof Malleable Iron Conduit Union.....	613.17	47.98
26 05 33 13-1776			<b>Explosion Proof Malleable Iron Conduit Bodies</b> <small>(26 05 33 13-1764)</small>		
26 05 33 13-1777	EA		1/2" Explosion Proof Malleable Iron Two Hub Conduit Body.....	148.23	25.08
26 05 33 13-1778	EA		3/4" Explosion Proof Malleable Iron Two Hub Conduit Body.....	166.99	28.43
26 05 33 13-1779	EA		1" Explosion Proof Malleable Iron Two Hub Conduit Body.....	196.64	31.35
26 05 33 13-1780	EA		1/2" Explosion Proof Malleable Iron Three Hub Conduit Body.....	165.52	31.35
26 05 33 13-1781	EA		3/4" Explosion Proof Malleable Iron Three Hub Conduit Body.....	197.05	37.63
26 05 33 13-1782	EA		1" Explosion Proof Malleable Iron Three Hub Conduit Body.....	234.02	43.06
26 05 33 13-1783			<b>Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical</b> <small>(26 05 33 13-1764)</small> Note: Includes sealing gasket and lock nut.		
26 05 33 13-1784	EA		1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	122.50	20.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	15.68	
26 05 33 13-1785	EA		3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	124.02	23.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	17.56	
26 05 33 13-1786	EA		1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	135.40	25.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	19.13	
26 05 33 13-1787	EA		1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	174.84	31.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	23.51	
26 05 33 13-1788	EA		1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	225.06	36.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	27.59	
26 05 33 13-1789	EA		2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	292.38	41.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	31.35	
26 05 33 13-1790	EA		2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	414.47	62.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	46.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1791 EA 3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	524.24 58.83	78.44
26 05 33 13-1792 EA 3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	754.43 64.78	86.37
26 05 33 13-1793 EA 4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	983.59 70.41	93.88
<b>26 05 33 13-1794 Explosion Proof Flexible Conduit Couplings</b> <small>(26 05 33 13-1764)</small>		
26 05 33 13-1795 EA 1/2" x 12" Explosion Proof Flexible Conduit Coupling.....	355.08	9.61
26 05 33 13-1796 EA 3/4" x 15" Explosion Proof Flexible Conduit Coupling.....	465.56	10.87
<b>26 05 33 13-1797 Conduit Installed Below Grade</b> <small>(26 05 33 13-0057)</small>		
Note: By direct burial In trench or in concrete slabs or duct banks. Includes detectable warning tape for underground conduits. Excludes trenching, backfilling and concrete.		
<b>26 05 33 13-1798 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial</b> <small>(26 05 33 13-1797)</small>		
<b>26 05 33 13-1799 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial</b> <small>(26 05 33 13-1798)</small>		
Note: Includes field bend conduit up to 1".		
26 05 33 13-1800 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	3.62 0.53 0.32	
26 05 33 13-1801 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	4.07 0.64 0.39	
26 05 33 13-1802 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	4.75 0.82 0.51	
26 05 33 13-1803 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	5.43 1.00 0.64	
26 05 33 13-1804 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	6.02 1.15 0.74	
26 05 33 13-1805 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	6.95 1.42 0.93	
26 05 33 13-1806 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	8.89 2.04 1.37	
26 05 33 13-1807 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	10.01 2.38 1.60	
26 05 33 13-1808 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	11.76 2.94 2.00	
26 05 33 13-1809 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	12.69 3.20 2.18	
26 05 33 13-1810 LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	16.47 4.47 3.08	
26 05 33 13-1811 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	20.31 5.76 4.00	
<b>26 05 33 13-1812 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial</b> <small>(26 05 33 13-1798)</small>		
See CSI section 26 05 33 13-2258 for conduit field bending.		
26 05 33 13-1813 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	24.28 2.88 1.58	
26 05 33 13-1814 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	29.12 3.45 1.89	
26 05 33 13-1815 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	34.85 4.33 2.42	
26 05 33 13-1816 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	40.84 5.30 3.02	
26 05 33 13-1817 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	47.09 6.37 3.68	
26 05 33 13-1818 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	54.03 7.67 4.52	
26 05 33 13-1819 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial ..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	65.74 10.65 6.55	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1820	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	80.77	
			<i>For Schedule 80, Add</i>	14.78	
			<i>For Schedule 60, Add</i>	9.40	
26 05 33 13-1821	EA		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	100.34	
			<i>For Schedule 80, Add</i>	19.38	
			<i>For Schedule 60, Add</i>	12.50	
26 05 33 13-1822	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	120.05	
			<i>For Schedule 80, Add</i>	24.04	
			<i>For Schedule 60, Add</i>	15.63	
26 05 33 13-1823	EA		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	165.33	
			<i>For Schedule 80, Add</i>	37.64	
			<i>For Schedule 60, Add</i>	25.15	
26 05 33 13-1824	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	197.56	
			<i>For Schedule 80, Add</i>	46.67	
			<i>For Schedule 60, Add</i>	31.41	
<b>26 05 33 13-1825 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial</b>					
<b>Burial</b> <small>(26 05 33 13-1798)</small>					
See CSI section 26 05 33 13-2258 for conduit field bending.					
26 05 33 13-1826	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	24.28	
			<i>For Schedule 80, Add</i>	2.88	
			<i>For Schedule 60, Add</i>	1.58	
26 05 33 13-1827	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	28.98	
			<i>For Schedule 80, Add</i>	3.40	
			<i>For Schedule 60, Add</i>	1.85	
26 05 33 13-1828	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	34.67	
			<i>For Schedule 80, Add</i>	4.27	
			<i>For Schedule 60, Add</i>	2.37	
26 05 33 13-1829	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	40.31	
			<i>For Schedule 80, Add</i>	5.12	
			<i>For Schedule 60, Add</i>	2.89	
26 05 33 13-1830	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	45.87	
			<i>For Schedule 80, Add</i>	5.94	
			<i>For Schedule 60, Add</i>	3.38	
26 05 33 13-1831	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	53.38	
			<i>For Schedule 80, Add</i>	7.45	
			<i>For Schedule 60, Add</i>	4.36	
26 05 33 13-1832	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	64.53	
			<i>For Schedule 80, Add</i>	10.22	
			<i>For Schedule 60, Add</i>	6.24	
26 05 33 13-1833	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	79.23	
			<i>For Schedule 80, Add</i>	14.24	
			<i>For Schedule 60, Add</i>	9.02	
26 05 33 13-1834	EA		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	96.03	
			<i>For Schedule 80, Add</i>	17.88	
			<i>For Schedule 60, Add</i>	11.42	
26 05 33 13-1835	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	116.35	
			<i>For Schedule 80, Add</i>	22.74	
			<i>For Schedule 60, Add</i>	14.70	
26 05 33 13-1836	EA		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	160.53	
			<i>For Schedule 80, Add</i>	35.96	
			<i>For Schedule 60, Add</i>	23.95	
26 05 33 13-1837	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	183.25	
			<i>For Schedule 80, Add</i>	41.66	
			<i>For Schedule 60, Add</i>	27.83	
<b>26 05 33 13-1838 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial</b> <small>(26 05 33 13-1798)</small>					
26 05 33 13-1839	EA		1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	13.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.78	
26 05 33 13-1840	EA		3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	15.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.32	
26 05 33 13-1841	EA		1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	17.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.85	
26 05 33 13-1842	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	20.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.40	
26 05 33 13-1843	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	22.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.93	
26 05 33 13-1844	EA		2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	24.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 05 33 13-1845	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	30.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.28	
26 05 33 13-1846	EA		3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	35.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.09	
26 05 33 13-1847	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	42.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.44	
26 05 33 13-1848	EA		4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	47.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.79	
26 05 33 13-1849	EA		5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	62.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.14	
26 05 33 13-1850	EA		6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	71.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.49	



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 33 13-1851</b>		<b>Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial</b> <small>(26 05 33 13-1798)</small>		
26 05 33 13-1852	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	17.73	
26 05 33 13-1853	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	19.99	
26 05 33 13-1854	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	22.30	
26 05 33 13-1855	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	28.86	
26 05 33 13-1856	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	31.94	
26 05 33 13-1857	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	36.58	
26 05 33 13-1858	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	40.80	
26 05 33 13-1859	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	45.90	
26 05 33 13-1860	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	54.66	
26 05 33 13-1861	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	59.52	
26 05 33 13-1862	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	77.24	
26 05 33 13-1863	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	86.98	
<b>26 05 33 13-1864</b>		<b>Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial</b> <small>(26 05 33 13-1798)</small>		
26 05 33 13-1865	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	13.28	
26 05 33 13-1866	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	15.51	
26 05 33 13-1867	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	17.53	
26 05 33 13-1868	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	19.78	
26 05 33 13-1869	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	21.78	
26 05 33 13-1870	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	24.41	
26 05 33 13-1871	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	29.55	
26 05 33 13-1872	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	34.17	
26 05 33 13-1873	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	40.63	
26 05 33 13-1874	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	45.50	
26 05 33 13-1875	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	59.67	
26 05 33 13-1876	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	68.12	
<b>26 05 33 13-1877</b>		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial</b> <small>(26 05 33 13-1797)</small>		
		Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
<b>26 05 33 13-1878</b>		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial</b> <small>(26 05 33 13-1877)</small>		
		Note: Includes field bending for conduit up to 1".		
26 05 33 13-1879	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	10.87	2.01
		For >500 To 1,000, Deduct	-0.68	
		For >1,000, Deduct	-0.96	
		For >250 To 500, Deduct	-0.41	
26 05 33 13-1880	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	12.23	2.48
		For >500 To 1,000, Deduct	-0.77	
		For >1,000, Deduct	-1.08	
		For >250 To 500, Deduct	-0.47	
26 05 33 13-1881	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	15.11	2.77
		For >500 To 1,000, Deduct	-0.97	
		For >1,000, Deduct	-1.34	
		For >250 To 500, Deduct	-0.59	
26 05 33 13-1882	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	18.32	3.72
		For >500 To 1,000, Deduct	-1.18	
		For >1,000, Deduct	-1.64	
		For >250 To 500, Deduct	-0.73	
26 05 33 13-1883	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	21.58	4.19
		For >500 To 1,000, Deduct	-1.40	
		For >1,000, Deduct	-1.94	
		For >250 To 500, Deduct	-0.86	
26 05 33 13-1884	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	27.42	4.57
		For >500 To 1,000, Deduct	-1.79	
		For >1,000, Deduct	-2.48	
		For >250 To 500, Deduct	-1.11	
26 05 33 13-1885	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	39.98	6.86
		For >500 To 1,000, Deduct	-2.64	
		For >1,000, Deduct	-3.64	
		For >250 To 500, Deduct	-1.64	
26 05 33 13-1886	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	51.46	8.58
		For >500 To 1,000, Deduct	-3.38	
		For >1,000, Deduct	-4.67	
		For >250 To 500, Deduct	-2.10	
26 05 33 13-1887	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	63.45	9.06
		For >500 To 1,000, Deduct	-4.16	
		For >1,000, Deduct	-5.75	
		For >250 To 500, Deduct	-2.58	
26 05 33 13-1888	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	75.30	10.01
		For >500 To 1,000, Deduct	-4.93	
		For >1,000, Deduct	-6.82	
		For >250 To 500, Deduct	-3.05	
26 05 33 13-1889	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	119.01	13.82
		For >500 To 1,000, Deduct	-8.02	
		For >1,000, Deduct	-11.00	
		For >250 To 500, Deduct	-5.05	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1890 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	159.20	18.10
For >500 To 1,000, Deduct	-10.80	
For >1,000, Deduct	-14.78	
For >250 To 500, Deduct	-6.82	
<b>26 05 33 13-1891 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial</b> <small>(26 05 33 13-1877)</small>		
26 05 33 13-1892 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	11.66	2.86
26 05 33 13-1893 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	13.84	3.81
26 05 33 13-1894 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	17.61	4.76
26 05 33 13-1895 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	19.90	5.25
26 05 33 13-1896 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	23.59	6.20
26 05 33 13-1897 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	30.68	7.15
26 05 33 13-1898 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	57.72	8.58
26 05 33 13-1899 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	73.10	11.92
26 05 33 13-1900 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	90.84	13.82
26 05 33 13-1901 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	112.02	19.06
26 05 33 13-1902 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	293.23	26.21
26 05 33 13-1903 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	298.56	14.77
<b>26 05 33 13-1904 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1877)</small>		
Note: 90, 45, or 30 degree.		
26 05 33 13-1905 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	44.63	11.92
26 05 33 13-1906 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	51.15	14.77
26 05 33 13-1907 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	60.99	18.10
26 05 33 13-1908 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	72.37	20.96
26 05 33 13-1909 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	85.06	23.82
26 05 33 13-1910 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	104.64	26.21
26 05 33 13-1911 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	164.15	32.88
26 05 33 13-1912 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	246.80	44.78
26 05 33 13-1913 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	307.32	50.51
26 05 33 13-1914 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	349.59	65.75
26 05 33 13-1915 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	739.95	107.21
26 05 33 13-1916 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	1,166.85	161.05
<b>26 05 33 13-1917 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1877)</small>		
26 05 33 13-1918 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	110.04	18.10
26 05 33 13-1919 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	123.59	20.96
26 05 33 13-1920 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	141.13	23.82
26 05 33 13-1921 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	169.34	26.21
26 05 33 13-1922 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	237.38	32.88
<b>26 05 33 13-1923 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1877)</small>		
26 05 33 13-1924 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	123.31	18.10
26 05 33 13-1925 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	145.51	20.96
26 05 33 13-1926 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	156.85	23.82
26 05 33 13-1927 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	203.61	26.21
26 05 33 13-1928 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	270.42	32.88
26 05 33 13-1929 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	344.81	44.78



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1930				<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1877)</small>		
26 05 33 13-1931	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	139.17	18.10
26 05 33 13-1932	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	156.92	20.96
26 05 33 13-1933	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	177.02	23.82
26 05 33 13-1934	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	214.98	26.21
26 05 33 13-1935	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	308.40	32.88
26 05 33 13-1936	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	389.40	44.78
26 05 33 13-1937	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	494.04	50.51
26 05 33 13-1938	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	553.01	65.75
26 05 33 13-1939				<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1877)</small>		
26 05 33 13-1940	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	166.57	18.10
26 05 33 13-1941	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	183.72	20.96
26 05 33 13-1942	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	207.44	23.82
26 05 33 13-1943	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	258.79	26.21
26 05 33 13-1944	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	376.37	32.88
26 05 33 13-1945	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	464.93	44.78
26 05 33 13-1946	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	540.16	50.51
26 05 33 13-1947	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	637.68	65.75
26 05 33 13-1948				<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1877)</small>		
26 05 33 13-1949	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	187.89	18.10
26 05 33 13-1950	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	208.67	20.96
26 05 33 13-1951	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	237.39	23.82
26 05 33 13-1952	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	296.93	26.21
26 05 33 13-1953	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	413.45	32.88
26 05 33 13-1954	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	525.36	44.78
26 05 33 13-1955	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	652.30	50.51
26 05 33 13-1956	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	715.41	65.75
26 05 33 13-1957	EA			5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	1,193.72	107.21
26 05 33 13-1958				<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1877)</small>		
26 05 33 13-1959	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	215.77	18.10
26 05 33 13-1960	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	238.81	20.96
26 05 33 13-1961	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	270.22	23.82
26 05 33 13-1962	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	339.23	26.21
26 05 33 13-1963	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	475.24	32.88
26 05 33 13-1964	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	602.34	44.78
26 05 33 13-1965	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	708.50	50.51
26 05 33 13-1966	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	815.75	65.75
26 05 33 13-1967	EA			5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,264.04	107.21

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1968 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,722.52	161.05
<b>26 05 33 13-1969 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial (26 05 33 13-1877)</b>		
26 05 33 13-1970 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	254.58	18.10
26 05 33 13-1971 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	265.68	20.96
26 05 33 13-1972 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	314.16	23.82
26 05 33 13-1973 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	398.12	26.21
26 05 33 13-1974 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	558.57	32.88
26 05 33 13-1975 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	706.12	44.78
26 05 33 13-1976 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	864.72	50.51
26 05 33 13-1977 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,010.96	65.75
26 05 33 13-1978 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,493.42	107.21
26 05 33 13-1979 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,827.82	161.05
<b>26 05 33 13-1980 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial (26 05 33 13-1877)</b>		
26 05 33 13-1981 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	263.93	18.10
26 05 33 13-1982 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	311.13	20.96
26 05 33 13-1983 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	352.16	23.82
26 05 33 13-1984 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	415.83	26.21
26 05 33 13-1985 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	579.38	32.88
26 05 33 13-1986 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	738.03	44.78
26 05 33 13-1987 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	949.80	50.51
26 05 33 13-1988 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,055.23	65.75
26 05 33 13-1989 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,555.05	107.21
26 05 33 13-1990 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,881.32	161.05
<b>26 05 33 13-1991 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial (26 05 33 13-1877)</b>		
26 05 33 13-1992 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	85.85	11.92
26 05 33 13-1993 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	92.70	14.77
26 05 33 13-1994 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	120.88	18.10
26 05 33 13-1995 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	178.19	20.96
26 05 33 13-1996 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	212.01	23.82
26 05 33 13-1997 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	271.46	26.21
26 05 33 13-1998 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	362.31	32.88
26 05 33 13-1999 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	474.59	32.88
26 05 33 13-2000 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	608.15	50.51
26 05 33 13-2001 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	782.68	65.75
26 05 33 13-2002 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,431.53	107.21
26 05 33 13-2003 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,771.67	161.05
<b>26 05 33 13-2004 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial (26 05 33 13-1877)</b>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2005 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial .....	87.94	11.92
26 05 33 13-2006 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial .....	100.68	14.77
26 05 33 13-2007 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial .....	125.14	18.10
26 05 33 13-2008 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial .....	186.00	20.96
26 05 33 13-2009 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial .....	222.85	23.82
26 05 33 13-2010 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial .....	294.87	26.21
26 05 33 13-2011 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial .....	412.39	32.88
26 05 33 13-2012 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial .....	525.52	32.88
26 05 33 13-2013 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial .....	700.23	50.51
26 05 33 13-2014 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial .....	874.42	65.75
26 05 33 13-2015 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial .....	1,599.70	107.21
26 05 33 13-2016 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial .....	2,043.21	161.05
<b>26 05 33 13-2017 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial</b> <small>(26 05 33 13-1877)</small>		
26 05 33 13-2018 EA 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	29.02	5.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.43	
26 05 33 13-2019 EA 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	32.22	7.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2020 EA 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	37.01	9.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 05 33 13-2021 EA 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	44.22	10.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 05 33 13-2022 EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	47.85	11.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.15	
26 05 33 13-2023 EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	32.24	6.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.72	
26 05 33 13-2024 EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	34.62	7.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2025 EA 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	39.44	9.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 05 33 13-2026 EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	46.80	10.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 05 33 13-2027 EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	50.62	11.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.15	
26 05 33 13-2028 EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	54.68	13.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.00	
26 05 33 13-2029 EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	32.41	6.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.72	
26 05 33 13-2030 EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	34.79	7.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2031 EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	39.75	9.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 05 33 13-2032 EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	47.13	10.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 05 33 13-2033 EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	50.95	11.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.15	
26 05 33 13-2034 EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	55.54	13.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.00	
26 05 33 13-2035 EA 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	34.69	6.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.72	
26 05 33 13-2036 EA 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	37.07	7.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2037 EA 1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.21	9.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 05 33 13-2038 EA 1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.53	10.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 05 33 13-2039 EA 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.49	11.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.15	
26 05 33 13-2040 EA 2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.24	13.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.00	
26 05 33 13-2041 EA 2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	82.49	16.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.72	
26 05 33 13-2042 EA 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	106.07	22.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.43	
26 05 33 13-2043 EA 1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.86	6.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.72	
26 05 33 13-2044 EA 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.39	7.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2045 EA 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.54	9.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 05 33 13-2046 EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.92	10.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 05 33 13-2047 EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.03	11.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.15	
26 05 33 13-2048 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.93	13.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.00	
26 05 33 13-2049 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	84.87	16.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.72	
26 05 33 13-2050 EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	111.19	22.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.43	
26 05 33 13-2051 EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	133.32	25.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.15	
26 05 33 13-2052 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	154.35	32.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.72	
26 05 33 13-2053 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.17	6.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.72	
26 05 33 13-2054 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.72	7.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2055 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.90	9.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 05 33 13-2056 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.57	10.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 05 33 13-2057 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.70	11.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.15	
26 05 33 13-2058 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.39	13.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.00	
26 05 33 13-2059 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	94.34	16.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.72	
26 05 33 13-2060 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	118.85	22.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.43	
26 05 33 13-2061 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	134.96	25.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.15	
26 05 33 13-2062 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	158.73	32.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.72	
26 05 33 13-2063 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	235.16	45.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.16	
26 05 33 13-2064 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.78	6.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2065 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.32	7.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2066 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.55	9.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 05 33 13-2067 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.77	10.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 05 33 13-2068 EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.15	11.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.15	
26 05 33 13-2069 EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.86	13.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.00	
26 05 33 13-2070 EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	103.95	16.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.72	
26 05 33 13-2071 EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	129.04	22.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.43	
26 05 33 13-2072 EA 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	144.14	25.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.15	
26 05 33 13-2073 EA 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	174.21	32.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.72	
26 05 33 13-2074 EA 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	258.30	45.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.16	
26 05 33 13-2075 EA 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.71	6.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.72	
26 05 33 13-2076 EA 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.24	7.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2077 EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.99	9.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 05 33 13-2078 EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.08	10.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 05 33 13-2079 EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.08	11.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.15	
26 05 33 13-2080 EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	71.02	13.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.00	
26 05 33 13-2081 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	115.77	16.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.72	
26 05 33 13-2082 EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	142.98	22.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.43	
26 05 33 13-2083 EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	167.11	25.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.15	
26 05 33 13-2084 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	197.45	32.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.72	
26 05 33 13-2085 EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	274.16	45.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.16	
26 05 33 13-2086 EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.70	6.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.72	
26 05 33 13-2087 EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.20	7.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2088 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.41	9.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 05 33 13-2089 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.41	10.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 05 33 13-2090 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	66.05	11.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.15	
26 05 33 13-2091 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	81.55	13.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.00	
26 05 33 13-2092 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	128.27	16.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.72	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2093 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	160.84	22.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.43	
26 05 33 13-2094 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	191.24	25.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.15	
26 05 33 13-2095 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	238.11	32.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.72	
26 05 33 13-2096 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	305.82	45.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.16	
26 05 33 13-2097 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.71	6.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.72	
26 05 33 13-2098 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.33	7.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2099 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.02	9.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 05 33 13-2100 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.52	10.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 05 33 13-2101 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	74.48	11.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.15	
26 05 33 13-2102 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	90.01	13.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.00	
26 05 33 13-2103 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	144.95	16.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.72	
26 05 33 13-2104 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	187.61	22.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.43	
26 05 33 13-2105 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	206.05	25.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.15	
26 05 33 13-2106 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	250.59	32.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.72	
26 05 33 13-2107 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	310.34	45.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.16	
<b>26 05 33 13-2108 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit</b> <small>(26 05 33 13-1797)</small>		
Note: Direct burial or encased application.		
<b>26 05 33 13-2109 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit</b> <small>(26 05 33 13-2108)</small>		
26 05 33 13-2110 LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.62	1.17
<i>For Work In Restricted Working Space, Add</i>	0.88	
26 05 33 13-2111 LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.57	1.26
<i>For Work In Restricted Working Space, Add</i>	0.95	
26 05 33 13-2112 LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.16	1.35
<i>For Work In Restricted Working Space, Add</i>	1.01	
26 05 33 13-2113 LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.76	1.44
<i>For Work In Restricted Working Space, Add</i>	1.08	
26 05 33 13-2114 LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.56	1.53
<i>For Work In Restricted Working Space, Add</i>	1.15	
26 05 33 13-2115 LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	12.00	1.62
<i>For Work In Restricted Working Space, Add</i>	1.22	
26 05 33 13-2116 LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	13.79	1.70
<i>For Work In Restricted Working Space, Add</i>	1.28	
26 05 33 13-2117 LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	15.93	1.79
<i>For Work In Restricted Working Space, Add</i>	1.35	
26 05 33 13-2118 LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	17.58	1.88
<i>For Work In Restricted Working Space, Add</i>	1.42	
26 05 33 13-2119 LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	19.23	1.97
<i>For Work In Restricted Working Space, Add</i>	1.49	
26 05 33 13-2120 LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	23.01	2.06
<i>For Work In Restricted Working Space, Add</i>	1.55	
26 05 33 13-2121 LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	27.71	2.15
<i>For Work In Restricted Working Space, Add</i>	1.62	
<b>26 05 33 13-2122 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows</b> <small>(26 05 33 13-2108)</small>		
26 05 33 13-2123 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	127.90	8.99
<i>For Work In Restricted Working Space, Add</i>	6.74	
<i>For 24" Radius, Add</i>	9.03	
<i>For 36" Radius, Add</i>	12.79	
<i>For 48" Radius, Add</i>	16.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2124 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	145.00	10.79
<i>For Work In Restricted Working Space, Add</i>	8.09	
<i>For 24" Radius, Add</i>	10.20	
<i>For 36" Radius, Add</i>	14.50	
<i>For 48" Radius, Add</i>	18.80	
26 05 33 13-2125 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	150.70	12.59
<i>For Work In Restricted Working Space, Add</i>	9.44	
<i>For 24" Radius, Add</i>	10.52	
<i>For 36" Radius, Add</i>	15.07	
<i>For 48" Radius, Add</i>	19.62	
26 05 33 13-2126 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	156.35	14.39
<i>For Work In Restricted Working Space, Add</i>	10.79	
<i>For 24" Radius, Add</i>	10.83	
<i>For 36" Radius, Add</i>	15.64	
<i>For 48" Radius, Add</i>	20.44	
26 05 33 13-2127 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	162.05	16.18
<i>For Work In Restricted Working Space, Add</i>	12.14	
<i>For 24" Radius, Add</i>	11.14	
<i>For 36" Radius, Add</i>	16.21	
<i>For 48" Radius, Add</i>	21.27	
26 05 33 13-2128 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	183.31	17.99
<i>For Work In Restricted Working Space, Add</i>	13.49	
<i>For 24" Radius, Add</i>	12.62	
<i>For 36" Radius, Add</i>	18.33	
<i>For 48" Radius, Add</i>	24.04	
26 05 33 13-2129 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	215.05	19.78
<i>For Work In Restricted Working Space, Add</i>	14.84	
<i>For 24" Radius, Add</i>	14.89	
<i>For 36" Radius, Add</i>	21.51	
<i>For 48" Radius, Add</i>	28.12	
26 05 33 13-2130 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	252.67	21.58
<i>For Work In Restricted Working Space, Add</i>	16.19	
<i>For 24" Radius, Add</i>	17.60	
<i>For 36" Radius, Add</i>	25.27	
<i>For 48" Radius, Add</i>	32.93	
26 05 33 13-2131 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	286.50	25.17
<i>For Work In Restricted Working Space, Add</i>	18.88	
<i>For 24" Radius, Add</i>	19.91	
<i>For 36" Radius, Add</i>	28.65	
<i>For 48" Radius, Add</i>	37.39	
26 05 33 13-2132 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	320.32	32.36
<i>For Work In Restricted Working Space, Add</i>	21.58	
<i>For 24" Radius, Add</i>	22.23	
<i>For 36" Radius, Add</i>	32.03	
<i>For 48" Radius, Add</i>	41.84	
26 05 33 13-2133 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	391.42	32.36
<i>For Work In Restricted Working Space, Add</i>	24.28	
<i>For 24" Radius, Add</i>	27.33	
<i>For 36" Radius, Add</i>	39.14	
<i>For 48" Radius, Add</i>	50.95	
26 05 33 13-2134 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	478.03	35.96
<i>For Work In Restricted Working Space, Add</i>	26.97	
<i>For 24" Radius, Add</i>	33.60	
<i>For 36" Radius, Add</i>	47.80	
<i>For 48" Radius, Add</i>	62.00	
<b>26 05 33 13-2135 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings</b> <small>(26 05 33 13-2108)</small>		
26 05 33 13-2136 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial .....	56.24	5.03
<i>For Work In Restricted Working Space, Add</i>	3.78	
26 05 33 13-2137 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial .....	63.03	5.75
<i>For Work In Restricted Working Space, Add</i>	4.32	
26 05 33 13-2138 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial .....	65.32	6.47
<i>For Work In Restricted Working Space, Add</i>	4.85	
26 05 33 13-2139 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial .....	67.54	7.19
<i>For Work In Restricted Working Space, Add</i>	5.40	
26 05 33 13-2140 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial .....	70.33	7.92
<i>For Work In Restricted Working Space, Add</i>	5.93	
26 05 33 13-2141 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial .....	81.77	8.63
<i>For Work In Restricted Working Space, Add</i>	6.47	
26 05 33 13-2142 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial .....	96.73	9.71
<i>For Work In Restricted Working Space, Add</i>	7.28	
26 05 33 13-2143 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial .....	113.91	10.79
<i>For Work In Restricted Working Space, Add</i>	8.09	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2144	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	129.28	12.59
			<i>For Work In Restricted Working Space, Add</i>	9.44	
26 05 33 13-2145	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	144.64	14.39
			<i>For Work In Restricted Working Space, Add</i>	10.79	
26 05 33 13-2146	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	176.30	16.18
			<i>For Work In Restricted Working Space, Add</i>	12.14	
26 05 33 13-2147	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	214.69	17.99
			<i>For Work In Restricted Working Space, Add</i>	13.49	
<b>26 05 33 13-2148 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings</b> <small>(26 05 33 13-2108)</small>					
26 05 33 13-2149	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	37.22	5.03
			<i>For Work In Restricted Working Space, Add</i>	3.78	
26 05 33 13-2150	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	41.75	5.75
			<i>For Work In Restricted Working Space, Add</i>	4.32	
26 05 33 13-2151	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	43.84	6.47
			<i>For Work In Restricted Working Space, Add</i>	4.85	
26 05 33 13-2152	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	45.94	7.19
			<i>For Work In Restricted Working Space, Add</i>	5.40	
26 05 33 13-2153	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	48.01	7.92
			<i>For Work In Restricted Working Space, Add</i>	5.93	
26 05 33 13-2154	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	49.98	8.63
			<i>For Work In Restricted Working Space, Add</i>	6.47	
26 05 33 13-2155	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	58.35	9.71
			<i>For Work In Restricted Working Space, Add</i>	7.28	
26 05 33 13-2156	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	67.88	10.79
			<i>For Work In Restricted Working Space, Add</i>	8.09	
26 05 33 13-2157	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	77.49	12.59
			<i>For Work In Restricted Working Space, Add</i>	9.44	
26 05 33 13-2158	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	87.09	14.39
			<i>For Work In Restricted Working Space, Add</i>	10.79	
26 05 33 13-2159	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	104.42	16.18
			<i>For Work In Restricted Working Space, Add</i>	12.14	
26 05 33 13-2160	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	124.85	17.99
			<i>For Work In Restricted Working Space, Add</i>	13.49	
<b>26 05 33 13-2161 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings</b> <small>(26 05 33 13-2108)</small>					
26 05 33 13-2162	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	37.81	2.88
			<i>For Work In Restricted Working Space, Add</i>	2.16	
26 05 33 13-2163	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	42.13	3.24
			<i>For Work In Restricted Working Space, Add</i>	2.43	
26 05 33 13-2164	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	43.39	3.60
			<i>For Work In Restricted Working Space, Add</i>	2.70	
26 05 33 13-2165	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	44.50	3.96
			<i>For Work In Restricted Working Space, Add</i>	2.97	
26 05 33 13-2166	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	46.19	4.32
			<i>For Work In Restricted Working Space, Add</i>	3.24	
26 05 33 13-2167	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	54.74	5.03
			<i>For Work In Restricted Working Space, Add</i>	3.78	
26 05 33 13-2168	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	65.83	6.11
			<i>For Work In Restricted Working Space, Add</i>	4.58	
26 05 33 13-2169	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	78.64	7.19
			<i>For Work In Restricted Working Space, Add</i>	5.40	
26 05 33 13-2170	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	90.70	8.99
			<i>For Work In Restricted Working Space, Add</i>	6.74	
26 05 33 13-2171	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	102.77	10.79
			<i>For Work In Restricted Working Space, Add</i>	8.09	
26 05 33 13-2172	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	126.19	12.59
			<i>For Work In Restricted Working Space, Add</i>	9.44	
26 05 33 13-2173	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	154.40	14.39
			<i>For Work In Restricted Working Space, Add</i>	10.79	
<b>26 05 33 13-2174 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints</b> <small>(26 05 33 13-2108)</small>					
26 05 33 13-2175	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	78.69	17.99
			<i>For Work In Restricted Working Space, Add</i>	13.49	
26 05 33 13-2176	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	91.38	21.58
			<i>For Work In Restricted Working Space, Add</i>	16.19	
26 05 33 13-2177	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	100.78	25.17
			<i>For Work In Restricted Working Space, Add</i>	18.88	
26 05 33 13-2178	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	110.01	28.77
			<i>For Work In Restricted Working Space, Add</i>	21.58	
26 05 33 13-2179	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	115.38	30.57
			<i>For Work In Restricted Working Space, Add</i>	22.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2180 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	127.29	32.36
<i>For Work In Restricted Working Space, Add</i>	24.28	
26 05 33 13-2181 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	141.05	34.17
<i>For Work In Restricted Working Space, Add</i>	25.62	
26 05 33 13-2182 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	156.69	35.96
<i>For Work In Restricted Working Space, Add</i>	26.97	
26 05 33 13-2183 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	169.53	37.77
<i>For Work In Restricted Working Space, Add</i>	28.32	
26 05 33 13-2184 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	182.36	39.56
<i>For Work In Restricted Working Space, Add</i>	29.67	
26 05 33 13-2185 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	207.73	41.36
<i>For Work In Restricted Working Space, Add</i>	31.02	
26 05 33 13-2186 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	238.31	43.16
<i>For Work In Restricted Working Space, Add</i>	32.37	
<b>26 05 33 13-2187 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints</b> <small>(26 05 33 13-2108)</small>		
26 05 33 13-2188 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial .....	92.39	17.99
<i>For Work In Restricted Working Space, Add</i>	13.49	
26 05 33 13-2189 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial .....	106.73	21.58
<i>For Work In Restricted Working Space, Add</i>	16.19	
26 05 33 13-2190 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial .....	116.22	25.17
<i>For Work In Restricted Working Space, Add</i>	18.88	
26 05 33 13-2191 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial .....	125.62	28.77
<i>For Work In Restricted Working Space, Add</i>	21.58	
26 05 33 13-2192 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial .....	131.11	30.57
<i>For Work In Restricted Working Space, Add</i>	22.93	
26 05 33 13-2193 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial .....	145.26	32.36
<i>For Work In Restricted Working Space, Add</i>	24.28	
26 05 33 13-2194 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial .....	162.62	34.17
<i>For Work In Restricted Working Space, Add</i>	25.62	
26 05 33 13-2195 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial .....	182.56	35.96
<i>For Work In Restricted Working Space, Add</i>	26.97	
26 05 33 13-2196 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial .....	198.66	37.77
<i>For Work In Restricted Working Space, Add</i>	28.32	
26 05 33 13-2197 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial .....	214.74	39.56
<i>For Work In Restricted Working Space, Add</i>	29.67	
26 05 33 13-2198 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial .....	248.30	41.36
<i>For Work In Restricted Working Space, Add</i>	31.02	
26 05 33 13-2199 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial .....	289.03	43.16
<i>For Work In Restricted Working Space, Add</i>	32.37	
<b>26 05 33 13-2200 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters</b> <small>(26 05 33 13-2108)</small>		
26 05 33 13-2201 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial .....	125.40	5.03
<i>For Work In Restricted Working Space, Add</i>	3.78	
26 05 33 13-2202 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial .....	139.71	5.75
<i>For Work In Restricted Working Space, Add</i>	4.32	
26 05 33 13-2203 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial .....	145.35	6.47
<i>For Work In Restricted Working Space, Add</i>	4.85	
26 05 33 13-2204 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial .....	151.17	7.19
<i>For Work In Restricted Working Space, Add</i>	5.40	
26 05 33 13-2205 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial .....	155.03	7.92
<i>For Work In Restricted Working Space, Add</i>	5.93	
26 05 33 13-2206 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial .....	169.71	8.63
<i>For Work In Restricted Working Space, Add</i>	6.47	
26 05 33 13-2207 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial .....	202.05	9.71
<i>For Work In Restricted Working Space, Add</i>	7.28	
26 05 33 13-2208 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial .....	240.18	10.79
<i>For Work In Restricted Working Space, Add</i>	8.09	
26 05 33 13-2209 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial .....	271.34	12.59
<i>For Work In Restricted Working Space, Add</i>	9.44	
26 05 33 13-2210 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial .....	302.49	14.39
<i>For Work In Restricted Working Space, Add</i>	10.79	
26 05 33 13-2211 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial .....	373.73	16.18
<i>For Work In Restricted Working Space, Add</i>	12.14	
26 05 33 13-2212 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial .....	458.95	17.99
<i>For Work In Restricted Working Space, Add</i>	13.49	
<b>26 05 33 13-2213 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints</b> <small>(26 05 33 13-2108)</small>		
26 05 33 13-2214 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	116.22	17.99
<i>For Work In Restricted Working Space, Add</i>	13.49	
26 05 33 13-2215 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	133.15	21.58
<i>For Work In Restricted Working Space, Add</i>	16.19	
26 05 33 13-2216 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	160.78	25.17
<i>For Work In Restricted Working Space, Add</i>	18.88	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-2217	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	203.83	28.77
		<i>For Work In Restricted Working Space, Add</i>	21.58	
26 05 33 13-2218	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	257.25	30.57
		<i>For Work In Restricted Working Space, Add</i>	22.93	
26 05 33 13-2219	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	348.91	32.36
		<i>For Work In Restricted Working Space, Add</i>	24.28	
26 05 33 13-2220	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	507.11	34.17
		<i>For Work In Restricted Working Space, Add</i>	25.62	
26 05 33 13-2221	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	612.82	35.96
		<i>For Work In Restricted Working Space, Add</i>	26.97	
26 05 33 13-2222	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	737.51	37.77
		<i>For Work In Restricted Working Space, Add</i>	28.32	
26 05 33 13-2223	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	862.18	39.56
		<i>For Work In Restricted Working Space, Add</i>	29.67	
26 05 33 13-2224	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	1,010.06	41.36
		<i>For Work In Restricted Working Space, Add</i>	31.02	
26 05 33 13-2225	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	1,647.12	43.16
		<i>For Work In Restricted Working Space, Add</i>	32.37	

**26 05 33 13-2226****Spacers** (26 05 33 13-1797)

Note: For concrete encasement applications. See CSI section 03 31 13 00-0039 for concrete., 26 05 33 13-1797 for conduit.

26 05 33 13-2227	EA	1" Base Spacers, Average 4" Wide, Direct Burial	10.32	
26 05 33 13-2228	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial	10.98	
26 05 33 13-2229	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial	12.19	
26 05 33 13-2230	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	13.01	
26 05 33 13-2231	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial	12.36	
26 05 33 13-2232	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	13.13	
26 05 33 13-2233	EA	2" Base Spacer, Average 4" Wide, Direct Burial	15.12	
26 05 33 13-2234	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial	14.03	
26 05 33 13-2235	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial	16.65	
26 05 33 13-2236	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	16.13	
26 05 33 13-2237	EA	3" Base Spacer, Average 4" Wide, Direct Burial	18.93	
26 05 33 13-2238	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial	18.19	
26 05 33 13-2239	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial	20.51	
26 05 33 13-2240	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	19.68	
26 05 33 13-2241	EA	4" Base Spacer, Average 4" Wide, Direct Burial	21.21	
26 05 33 13-2242	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial	20.23	
26 05 33 13-2243	EA	5" Base Spacer, Average 4" Wide, Direct Burial	23.48	
26 05 33 13-2244	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial	22.32	
26 05 33 13-2245	EA	6" Base Spacer, Average 4" Wide, Direct Burial	27.16	
26 05 33 13-2246	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial	26.16	

**26 05 33 13-2247****Conduit Field Bending** (26 05 33 13-0057)**26 05 33 13-2248****Metallic Conduit Field Bending** (26 05 33 13-2247)

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.

26 05 33 13-2249	EA	1-1/4" Metallic Conduit Field Bending	16.12	
26 05 33 13-2250	EA	1-1/2" Metallic Conduit Field Bending	21.50	
26 05 33 13-2251	EA	2" Metallic Conduit Field Bending	26.87	
26 05 33 13-2252	EA	2-1/2" Metallic Conduit Field Bending	37.62	
26 05 33 13-2253	EA	3" Metallic Conduit Field Bending	48.37	
26 05 33 13-2254	EA	3-1/2" Metallic Conduit Field Bending	59.11	
26 05 33 13-2255	EA	4" Metallic Conduit Field Bending	69.87	
26 05 33 13-2256	EA	5" Metallic Conduit Field Bending	85.99	
26 05 33 13-2257	EA	6" Metallic Conduit Field Bending	102.12	

**26 05 33 13-2258****Plastic Conduit Field Bending** (26 05 33 13-2247)

Note: For PVC conduits.

26 05 33 13-2259	EA	1" Plastic Conduit Field Bending	24.72	
26 05 33 13-2260	EA	1-1/4" Plastic Conduit Field Bending	26.87	
26 05 33 13-2261	EA	1-1/2" Plastic Conduit Field Bending	32.25	
26 05 33 13-2262	EA	2" Plastic Conduit Field Bending	42.99	
26 05 33 13-2263	EA	2-1/2" Plastic Conduit Field Bending	53.75	
26 05 33 13-2264	EA	3" Plastic Conduit Field Bending	64.49	
26 05 33 13-2265	EA	3-1/2" Plastic Conduit Field Bending	75.24	
26 05 33 13-2266	EA	4" Plastic Conduit Field Bending	85.99	
26 05 33 13-2267	EA	5" Plastic Conduit Field Bending	96.74	
26 05 33 13-2268	EA	6" Plastic Conduit Field Bending	107.49	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 33 13-2269</b> <b>Cut And Thread Existing In-Place Threaded Conduit</b> <small>(26 05 33 13-0057)</small>		
<i>Note: For use when connecting conduit to an existing in-place system.</i>		
26 05 33 13-2270    EA    1/2", Cut And Thread Existing In-Place Threaded Conduit.....	31.35	
<i>For Work In Restricted Working Space, Add</i>		
	9.41	
26 05 33 13-2271    EA    3/4", Cut And Thread Existing In-Place Threaded Conduit.....	34.48	
<i>For Work In Restricted Working Space, Add</i>		
	10.34	
26 05 33 13-2272    EA    1", Cut And Thread Existing In-Place Threaded Conduit.....	37.63	
<i>For Work In Restricted Working Space, Add</i>		
	11.29	
26 05 33 13-2273    EA    1-1/4", Cut And Thread Existing In-Place Threaded Conduit.....	40.76	
<i>For Work In Restricted Working Space, Add</i>		
	12.23	
26 05 33 13-2274    EA    1-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	42.85	
<i>For Work In Restricted Working Space, Add</i>		
	12.86	
26 05 33 13-2275    EA    2", Cut And Thread Existing In-Place Threaded Conduit.....	44.94	
<i>For Work In Restricted Working Space, Add</i>		
	13.48	
26 05 33 13-2276    EA    2-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	47.03	
<i>For Work In Restricted Working Space, Add</i>		
	14.11	
26 05 33 13-2277    EA    3", Cut And Thread Existing In-Place Threaded Conduit.....	49.12	
<i>For Work In Restricted Working Space, Add</i>		
	14.74	
26 05 33 13-2278    EA    3-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	50.16	
<i>For Work In Restricted Working Space, Add</i>		
	15.05	
26 05 33 13-2279    EA    4", Cut And Thread Existing In-Place Threaded Conduit.....	51.21	
<i>For Work In Restricted Working Space, Add</i>		
	15.36	
26 05 33 13-2280    EA    5", Cut And Thread Existing In-Place Threaded Conduit.....	53.30	
<i>For Work In Restricted Working Space, Add</i>		
	15.99	
26 05 33 13-2281    EA    6", Cut And Thread Existing In-Place Threaded Conduit.....	55.39	
<i>For Work In Restricted Working Space, Add</i>		
	16.62	
<b>26 05 33 13-2282</b> <b>Flexible Conduit</b> <small>(26 05 33 13-0057)</small>		
<b>26 05 33 13-2283</b> <b>Flexible Liquid Tight Metallic Conduit And Connectors</b> <small>(26 05 33 13-2282)</small>		
<i>Note: Steel inner core with PVC cover.</i>		
<b>26 05 33 13-2284</b> <b>Flexible Liquid Tight Metallic Conduit</b> <small>(26 05 33 13-2283)</small>		
26 05 33 13-2285    LF    3/8" Flexible Liquid Tight Metallic Conduit.....	3.76	1.14
<i>For Work In Restricted Working Space, Add</i>		
	0.86	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	0.43	
26 05 33 13-2286    LF    1/2" Flexible Liquid Tight Metallic Conduit.....	3.89	1.14
<i>For Work In Restricted Working Space, Add</i>		
	0.86	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	0.43	
26 05 33 13-2287    LF    3/4" Flexible Liquid Tight Metallic Conduit.....	5.21	1.52
<i>For Work In Restricted Working Space, Add</i>		
	1.14	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	0.57	
26 05 33 13-2288    LF    1" Flexible Liquid Tight Metallic Conduit.....	5.93	1.52
<i>For Work In Restricted Working Space, Add</i>		
	1.14	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	0.57	
26 05 33 13-2289    LF    1-1/4" Flexible Liquid Tight Metallic Conduit.....	7.64	1.91
<i>For Work In Restricted Working Space, Add</i>		
	1.43	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	0.71	
26 05 33 13-2290    LF    1-1/2" Flexible Liquid Tight Metallic Conduit.....	9.77	2.29
<i>For Work In Restricted Working Space, Add</i>		
	1.72	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	0.86	
26 05 33 13-2291    LF    2" Flexible Liquid Tight Metallic Conduit.....	12.86	3.05
<i>For Work In Restricted Working Space, Add</i>		
	2.29	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	1.14	
26 05 33 13-2292    LF    2-1/2" Flexible Liquid Tight Metallic Conduit.....	17.23	3.43
<i>For Work In Restricted Working Space, Add</i>		
	2.57	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	1.29	
26 05 33 13-2293    LF    3" Flexible Liquid Tight Metallic Conduit.....	25.03	4.19
<i>For Work In Restricted Working Space, Add</i>		
	3.14	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	1.57	
26 05 33 13-2294    LF    4" Flexible Liquid Tight Metallic Conduit.....	34.11	5.34
<i>For Work In Restricted Working Space, Add</i>		
	4.00	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	2.00	
<b>26 05 33 13-2295</b> <b>Straight Liquid Tight Connector</b> <small>(26 05 33 13-2283)</small>		
26 05 33 13-2296    EA    3/8" Straight Liquid Tight Connector.....	10.19	3.05
<i>For Work In Restricted Working Space, Add</i>		
	2.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2.29	
26 05 33 13-2297    EA    1/2" Straight Liquid Tight Connector.....	10.19	3.05
<i>For Work In Restricted Working Space, Add</i>		
	2.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2.29	
26 05 33 13-2298    EA    3/4" Straight Liquid Tight Connector.....	12.26	3.43
<i>For Work In Restricted Working Space, Add</i>		
	2.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2.57	
26 05 33 13-2299    EA    1" Straight Liquid Tight Connector.....	16.09	3.81
<i>For Work In Restricted Working Space, Add</i>		
	2.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2.86	
26 05 33 13-2300    EA    1-1/4" Straight Liquid Tight Connector.....	20.40	4.19
<i>For Work In Restricted Working Space, Add</i>		
	3.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.14	
26 05 33 13-2301    EA    1-1/2" Straight Liquid Tight Connector.....	25.59	4.57
<i>For Work In Restricted Working Space, Add</i>		
	3.43	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.43	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2302 EA 2" Straight Liquid Tight Connector .....	34.91	5.34
For Work In Restricted Working Space, Add	4.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.00	
26 05 33 13-2303 EA 1/2" Straight Liquid Tight Connector .....	115.06	6.86
For Work In Restricted Working Space, Add	5.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.15	
26 05 33 13-2304 EA 3" Straight Liquid Tight Connector .....	147.76	7.24
For Work In Restricted Working Space, Add	5.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.43	
26 05 33 13-2305 EA 4" Straight Liquid Tight Connector .....	181.53	10.67
For Work In Restricted Working Space, Add	8.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.00	
<b>26 05 33 13-2306 90 Degree Angle Liquid Tight Connector</b> (26 05 33 13-2283)		
26 05 33 13-2307 EA 3/8" 90 Degree Angle Liquid Tight Connector .....	14.77	4.19
For Work In Restricted Working Space, Add	3.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.14	
26 05 33 13-2308 EA 1/2" 90 Degree Angle Liquid Tight Connector .....	15.32	4.19
For Work In Restricted Working Space, Add	3.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.14	
26 05 33 13-2309 EA 3/4" 90 Degree Angle Liquid Tight Connector .....	17.25	4.57
For Work In Restricted Working Space, Add	3.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.43	
26 05 33 13-2310 EA 1" 90 Degree Angle Liquid Tight Connector .....	23.92	5.34
For Work In Restricted Working Space, Add	4.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.00	
26 05 33 13-2311 EA 1-1/4" 90 Degree Angle Liquid Tight Connector .....	29.77	5.72
For Work In Restricted Working Space, Add	4.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-2312 EA 1-1/2" 90 Degree Angle Liquid Tight Connector .....	35.80	6.10
For Work In Restricted Working Space, Add	4.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.57	
26 05 33 13-2313 EA 2" 90 Degree Angle Liquid Tight Connector .....	46.92	6.86
For Work In Restricted Working Space, Add	5.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.15	
26 05 33 13-2314 EA 2-1/2" 90 Degree Angle Liquid Tight Connector .....	159.88	7.24
For Work In Restricted Working Space, Add	5.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.43	
26 05 33 13-2315 EA 3" 90 Degree Angle Liquid Tight Connector .....	188.86	8.38
For Work In Restricted Working Space, Add	6.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.29	
26 05 33 13-2316 EA 4" 90 Degree Angle Liquid Tight Connector .....	261.90	13.34
For Work In Restricted Working Space, Add	10.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.01	
<b>26 05 33 13-2317 45 Degree Angle Connector</b> (26 05 33 13-2283)		
26 05 33 13-2318 EA 3/8" 45 Degree Angle Liquid Tight Connector .....	14.58	4.19
For Work In Restricted Working Space, Add	3.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.14	
26 05 33 13-2319 EA 1/2" 45 Degree Angle Liquid Tight Connector .....	14.71	4.19
For Work In Restricted Working Space, Add	3.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.14	
26 05 33 13-2320 EA 3/4" 45 Degree Angle Liquid Tight Connector .....	17.25	4.57
For Work In Restricted Working Space, Add	3.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.43	
26 05 33 13-2321 EA 1" 45 Degree Angle Liquid Tight Connector .....	25.43	5.34
For Work In Restricted Working Space, Add	4.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.00	
26 05 33 13-2322 EA 1-1/4" 45 Degree Angle Liquid Tight Connector .....	28.79	5.72
For Work In Restricted Working Space, Add	4.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-2323 EA 1-1/2" 45 Degree Angle Liquid Tight Connector .....	32.15	6.10
For Work In Restricted Working Space, Add	4.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.57	
<b>26 05 33 13-2324 Flexible Metallic Conduit And Connectors</b> (26 05 33 13-2282)		
<b>26 05 33 13-2325 Flexible Steel Conduit</b> (26 05 33 13-2324)		
26 05 33 13-2326 LF 3/8" Flexible Metallic Conduit .....	3.92	1.25
For Installation In Wood Stud Wall (Includes Drilling), Add	0.77	
For Installation In Metal Stud Wall, Add	0.31	
For Work In Restricted Working Space, Add	0.92	
For Flexible Aluminum Conduit, Add	0.14	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.46	
26 05 33 13-2327 LF 1/2" Flexible Metallic Conduit .....	4.08	1.25
For Installation In Wood Stud Wall (Includes Drilling), Add	0.78	
For Installation In Metal Stud Wall, Add	0.31	
For Work In Restricted Working Space, Add	0.94	
For Flexible Aluminum Conduit, Add	0.16	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2328 LF 3/4" Flexible Metallic Conduit.....	4.68	1.66
For Installation In Wood Stud Wall (Includes Drilling), Add	0.85	
For Installation In Metal Stud Wall, Add	0.34	
For Work In Restricted Working Space, Add	1.02	
For Flexible Aluminum Conduit, Add	0.21	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.51	
26 05 33 13-2329 LF 1" Flexible Metallic Conduit.....	6.06	1.66
For Installation In Wood Stud Wall (Includes Drilling), Add	0.91	
For Installation In Metal Stud Wall, Add	0.37	
For Work In Restricted Working Space, Add	1.10	
For Flexible Aluminum Conduit, Add	0.40	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.55	
26 05 33 13-2330 LF 1-1/4" Flexible Metallic Conduit.....	7.01	2.09
For Installation In Wood Stud Wall (Includes Drilling), Add	0.97	
For Installation In Metal Stud Wall, Add	0.39	
For Work In Restricted Working Space, Add	1.16	
For Flexible Aluminum Conduit, Add	0.52	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.58	
26 05 33 13-2331 LF 1-1/2" Flexible Metallic Conduit.....	9.54	2.51
For Installation In Wood Stud Wall (Includes Drilling), Add	1.01	
For Installation In Metal Stud Wall, Add	0.40	
For Work In Restricted Working Space, Add	1.21	
For Flexible Aluminum Conduit, Add	0.91	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.60	
26 05 33 13-2332 LF 2" Flexible Metallic Conduit.....	10.94	3.34
For Installation In Wood Stud Wall (Includes Drilling), Add	1.04	
For Installation In Metal Stud Wall, Add	0.42	
For Work In Restricted Working Space, Add	1.25	
For Flexible Aluminum Conduit, Add	1.12	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.63	
26 05 33 13-2333 LF 2-1/2" Flexible Steel Conduit.....	13.40	3.76
For Installation In Wood Stud Wall (Includes Drilling), Add	1.30	
For Installation In Metal Stud Wall, Add	0.52	
For Work In Restricted Working Space, Add	1.56	
For Flexible Aluminum Conduit, Add	1.35	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.78	
26 05 33 13-2334 LF 3" Flexible Metallic Conduit.....	20.49	4.59
For Installation In Wood Stud Wall (Includes Drilling), Add	1.57	
For Installation In Metal Stud Wall, Add	0.63	
For Work In Restricted Working Space, Add	1.88	
For Flexible Aluminum Conduit, Add	2.35	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.94	
26 05 33 13-2335 LF 3-1/2" Flexible Metallic Conduit.....	25.24	5.00
For Installation In Wood Stud Wall (Includes Drilling), Add	1.83	
For Installation In Metal Stud Wall, Add	0.73	
For Work In Restricted Working Space, Add	2.19	
For Flexible Aluminum Conduit, Add	2.96	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.10	
26 05 33 13-2336 LF 4" Flexible Metallic Conduit.....	29.03	5.85
For Installation In Wood Stud Wall (Includes Drilling), Add	2.09	
For Installation In Metal Stud Wall, Add	0.83	
For Work In Restricted Working Space, Add	2.50	
For Flexible Aluminum Conduit, Add	3.41	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.25	
<b>26 05 33 13-2337 Plain Squeeze Type Straight Connector</b> (26 05 33 13-2324)		
26 05 33 13-2338 EA 3/8" Flexible Straight Connectors, Plain.....	6.87	3.34
For Work In Restricted Working Space, Add	1.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.41	
26 05 33 13-2339 EA 1/2" Flexible Straight Connectors, Plain.....	8.67	3.76
For Work In Restricted Working Space, Add	1.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.56	
26 05 33 13-2340 EA 3/4" Flexible Straight Connectors, Plain.....	9.91	4.59
For Work In Restricted Working Space, Add	1.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.88	
26 05 33 13-2341 EA 1" Flexible Straight Connectors, Plain.....	16.35	5.00
For Work In Restricted Working Space, Add	2.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.50	
26 05 33 13-2342 EA 1-1/4" Flexible Straight Connectors, Plain.....	23.55	5.85
For Work In Restricted Working Space, Add	3.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.13	
26 05 33 13-2343 EA 1-1/2" Flexible Straight Connectors, Plain.....	31.25	7.09
For Work In Restricted Working Space, Add	3.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.91	
26 05 33 13-2344 EA 2" Flexible Straight Connectors, Plain.....	41.55	7.09
For Work In Restricted Working Space, Add	4.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.70	
26 05 33 13-2345 EA 2-1/2" Flexible Straight Connectors, Plain.....	69.15	8.76
For Work In Restricted Working Space, Add	5.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.48	
26 05 33 13-2346 EA 3" Flexible Straight Connectors, Plain.....	91.41	9.59
For Work In Restricted Working Space, Add	6.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.26	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2347 EA 3-1/2" Flexible Straight Connectors, Plain.....	296.31	11.27
For Work In Restricted Working Space, Add	7.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
26 05 33 13-2348 EA 4" Flexible Straight Connectors, Plain.....	371.25	13.77
For Work In Restricted Working Space, Add	7.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.82	
<b>26 05 33 13-2349 Insulated Throat Squeeze Type Straight Connector</b> <small>(26 05 33 13-2324)</small>		
26 05 33 13-2350 EA 1/2" Flexible Straight Connectors, Insulated.....	9.87	3.76
For Work In Restricted Working Space, Add	1.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.56	
26 05 33 13-2351 EA 3/4" Flexible Straight Connectors, Insulated.....	11.48	4.59
For Work In Restricted Working Space, Add	1.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.88	
26 05 33 13-2352 EA 1" Flexible Straight Connectors, Insulated.....	18.48	5.00
For Work In Restricted Working Space, Add	2.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.50	
26 05 33 13-2353 EA 1-1/4" Flexible Straight Connectors, Insulated.....	27.46	5.85
For Work In Restricted Working Space, Add	3.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.13	
26 05 33 13-2354 EA 1-1/2" Flexible Straight Connectors, Insulated.....	38.22	6.26
For Work In Restricted Working Space, Add	3.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.91	
26 05 33 13-2355 EA 2" Flexible Straight Connectors, Insulated.....	53.85	7.09
For Work In Restricted Working Space, Add	4.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.70	
26 05 33 13-2356 EA 2-1/2" Flexible Straight Connectors, Insulated.....	95.46	8.76
For Work In Restricted Working Space, Add	5.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.48	
26 05 33 13-2357 EA 3" Flexible Straight Connectors, Insulated.....	122.43	9.59
For Work In Restricted Working Space, Add	6.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.26	
26 05 33 13-2358 EA 3-1/2" Flexible Straight Connectors, Insulated.....	344.12	11.27
For Work In Restricted Working Space, Add	7.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
26 05 33 13-2359 EA 4" Flexible Straight Connectors, Insulated.....	443.13	13.77
For Work In Restricted Working Space, Add	7.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.82	
<b>26 05 33 13-2360 Plain Squeeze Type 90 Degree Connector</b> <small>(26 05 33 13-2324)</small>		
26 05 33 13-2361 EA 3/8" Flexible 90 Degree Connector, Plain.....	9.76	4.17
For Work In Restricted Working Space, Add	1.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.88	
26 05 33 13-2362 EA 1/2" Flexible 90 Degree Connector, Plain.....	13.15	4.59
For Work In Restricted Working Space, Add	2.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.19	
26 05 33 13-2363 EA 3/4" Flexible 90 Degree Connector, Plain.....	17.50	5.00
For Work In Restricted Working Space, Add	2.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.50	
26 05 33 13-2364 EA 1" Flexible 90 Degree Connector, Plain.....	24.89	5.85
For Work In Restricted Working Space, Add	3.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.13	
26 05 33 13-2365 EA 1-1/4" Flexible 90 Degree Connector, Plain.....	39.97	6.26
For Work In Restricted Working Space, Add	3.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.76	
26 05 33 13-2366 EA 1-1/2" Flexible 90 Degree Connector, Plain.....	63.63	7.30
For Work In Restricted Working Space, Add	4.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.70	
26 05 33 13-2367 EA 2" Flexible 90 Degree Connector, Plain.....	77.08	8.97
For Work In Restricted Working Space, Add	5.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.32	
26 05 33 13-2368 EA 2-1/2" Flexible 90 Degree Connector, Plain.....	175.52	9.59
For Work In Restricted Working Space, Add	6.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.26	
26 05 33 13-2369 EA 3" Flexible 90 Degree Connector, Plain.....	226.51	11.27
For Work In Restricted Working Space, Add	7.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
26 05 33 13-2370 EA 3-1/2" Flexible 90 Degree Connector, Plain.....	487.83	13.77
For Work In Restricted Working Space, Add	7.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.82	
26 05 33 13-2371 EA 4" Flexible 90 Degree Connector, Plain.....	876.23	15.65
For Work In Restricted Working Space, Add	9.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.39	
<b>26 05 33 13-2372 Insulated Throat Squeeze Type 90 Degree Connector</b> <small>(26 05 33 13-2324)</small>		
26 05 33 13-2373 EA 1/2" Flexible 90 Degree Connector, Insulated.....	14.81	4.59
For Work In Restricted Working Space, Add	2.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.19	
26 05 33 13-2374 EA 3/4" Flexible 90 Degree Connector, Insulated.....	19.54	5.00
For Work In Restricted Working Space, Add	2.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2375 EA 1" Flexible 90 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.89 3.13 3.13	5.85
26 05 33 13-2376 EA 1-1/4" Flexible 90 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.23 3.76 3.76	6.26
26 05 33 13-2377 EA 1-1/2" Flexible 90 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.81 4.70 4.70	7.30
26 05 33 13-2378 EA 2" Flexible 90 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.50 5.32 5.32	8.97
26 05 33 13-2379 EA 2-1/2" Flexible 90 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	242.51 6.26 6.26	9.59
26 05 33 13-2380 EA 3" Flexible 90 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	299.09 7.04 7.04	11.27
26 05 33 13-2381 EA 3-1/2" Flexible 90 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	816.75 7.82 7.82	13.77
26 05 33 13-2382 EA 4" Flexible 90 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,220.74 9.39 9.39	15.65
<b>26 05 33 13-2383 Plain Squeeze Type 45 Degree Connector</b> <small>(26 05 33 13-2324)</small>		
26 05 33 13-2384 EA 3/8" Flexible 45 Degree Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.09 1.88 1.88	4.17
26 05 33 13-2385 EA 1/2" Flexible 45 Degree Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29 2.19 2.19	4.59
26 05 33 13-2386 EA 3/4" Flexible 45 Degree Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.89 2.50 2.50	5.00
<b>26 05 33 13-2387 Insulated Squeeze Type 45 Degree Connector</b> <small>(26 05 33 13-2324)</small>		
26 05 33 13-2388 EA 3/8" Flexible 45 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.01 1.88 1.88	5.00
26 05 33 13-2389 EA 1/2" Flexible 45 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.80 2.19 2.19	4.59
26 05 33 13-2390 EA 3/4" Flexible 45 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.03 2.50 2.50	5.00
<b>26 05 33 13-2391 Plain Screw-In Connector</b> <small>(26 05 33 13-2324)</small>		
26 05 33 13-2392 EA 3/8" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.50 1.41 1.41	3.34
26 05 33 13-2393 EA 1/2" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.88 1.56 1.56	3.76
26 05 33 13-2394 EA 3/4" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.62 1.88 1.88	4.59
26 05 33 13-2395 EA 1" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.08 2.50 2.50	5.00
26 05 33 13-2396 EA 1-1/4" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.83 3.13 3.13	5.85
26 05 33 13-2397 EA 1-1/2" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.49 3.91 3.91	6.26
26 05 33 13-2398 EA 2" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12 4.70 4.70	7.09
<b>26 05 33 13-2399 Insulated Screw-In Connector</b> <small>(26 05 33 13-2324)</small>		
26 05 33 13-2400 EA 3/8" Flexible Steel Screw-in Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.89 1.41 1.41	3.34
26 05 33 13-2401 EA 1/2" Flexible Steel Screw-in Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.20 1.56 1.56	3.76
26 05 33 13-2402 EA 3/4" Flexible Steel Screw-in Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.43 1.88 1.88	4.59

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2403	EA		1" Flexible Steel Screw-in Connector, Insulated .....	12.31	5.00
			<i>For Work In Restricted Working Space, Add</i>	2.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.50	
26 05 33 13-2404	EA		1-1/4" Flexible Steel Screw-in Connector, Insulated .....	18.59	5.85
			<i>For Work In Restricted Working Space, Add</i>	3.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.13	
26 05 33 13-2405	EA		1-1/2" Flexible Steel Screw-in Connector, Insulated .....	22.60	6.26
			<i>For Work In Restricted Working Space, Add</i>	3.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91	
26 05 33 13-2406	EA		2" Flexible Steel Screw-in Connector, Insulated .....	32.98	7.09
			<i>For Work In Restricted Working Space, Add</i>	4.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
<b>26 05 33 13-2407</b>			<b>Screw-In Coupling</b> <small>(26 05 33 13-2324)</small>		
26 05 33 13-2408	EA		1/2" Flexible Steel Screw-in Coupling .....	6.65	3.76
			<i>For Work In Restricted Working Space, Add</i>	1.56	
26 05 33 13-2409	EA		3/4" Flexible Steel Screw-in Coupling .....	8.90	4.59
			<i>For Work In Restricted Working Space, Add</i>	1.88	
<b>26 05 33 13-2410</b>			<b>Flexible To Electrical Metallic Tubing (EMT) Coupling</b> <small>(26 05 33 13-2324)</small>		
26 05 33 13-2411	EA		3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling .....	9.61	3.34
			<i>For Work In Restricted Working Space, Add</i>	1.41	
26 05 33 13-2412	EA		1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling .....	13.41	3.76
			<i>For Work In Restricted Working Space, Add</i>	1.56	
26 05 33 13-2413	EA		3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling .....	17.92	4.59
			<i>For Work In Restricted Working Space, Add</i>	1.88	
<b>26 05 33 13-2414</b>			<b>Die Cast Squeeze Type Straight Connector</b> <small>(26 05 33 13-2324)</small>		
26 05 33 13-2415	EA		3/8" Flexible Straight Connector, Die Cast .....	5.74	3.34
			<i>For Work In Restricted Working Space, Add</i>	1.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.41	
26 05 33 13-2416	EA		1/2" Flexible Straight Connector, Die Cast .....	6.52	3.76
			<i>For Work In Restricted Working Space, Add</i>	1.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.56	
26 05 33 13-2417	EA		3/4" Flexible Straight Connector, Die Cast .....	8.16	4.59
			<i>For Work In Restricted Working Space, Add</i>	1.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.88	
26 05 33 13-2418	EA		1" Flexible Straight Connector, Die Cast .....	12.59	5.00
			<i>For Work In Restricted Working Space, Add</i>	2.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.50	
26 05 33 13-2419	EA		1-1/4" Flexible Straight Connector, Die Cast .....	17.20	5.85
			<i>For Work In Restricted Working Space, Add</i>	3.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.13	
26 05 33 13-2420	EA		1-1/2" Flexible Straight Connector, Die Cast .....	23.67	6.26
			<i>For Work In Restricted Working Space, Add</i>	3.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91	
26 05 33 13-2421	EA		2" Flexible Straight Connector, Die Cast .....	30.95	7.09
			<i>For Work In Restricted Working Space, Add</i>	4.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
<b>26 05 33 13-2422</b>			<b>Die Cast Squeeze Type 90 Degree Connector</b> <small>(26 05 33 13-2324)</small>		
26 05 33 13-2423	EA		3/8" Flexible 90 Degree Connector, Die Cast .....	7.60	4.17
			<i>For Work In Restricted Working Space, Add</i>	1.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.88	
26 05 33 13-2424	EA		1/2" Flexible 90 Degree Connector, Die Cast .....	9.55	4.59
			<i>For Work In Restricted Working Space, Add</i>	2.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.19	
26 05 33 13-2425	EA		3/4" Flexible 90 Degree Connector, Die Cast .....	11.74	5.00
			<i>For Work In Restricted Working Space, Add</i>	2.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.50	
26 05 33 13-2426	EA		1" Flexible 90 Degree Connector, Die Cast .....	19.41	5.85
			<i>For Work In Restricted Working Space, Add</i>	3.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.13	
26 05 33 13-2427	EA		1-1/4" Flexible 90 Degree Connector, Die Cast .....	28.19	6.26
			<i>For Work In Restricted Working Space, Add</i>	3.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.76	
26 05 33 13-2428	EA		1-1/2" Flexible 90 Degree Connector, Die Cast .....	44.89	7.30
			<i>For Work In Restricted Working Space, Add</i>	4.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 33 13-2429	EA		2" Flexible 90 Degree Connector, Die Cast .....	53.96	8.97
			<i>For Work In Restricted Working Space, Add</i>	5.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.32	
<b>26 05 33 13-2430</b>			<b>Flexible Liquid Tight Non-Metallic Conduit And Connectors</b> <small>(26 05 33 13-2282)</small>		
<b>26 05 33 13-2431</b>			<b>Flexible Liquid Tight Non-Metallic Conduit</b> <small>(26 05 33 13-2430)</small>		
26 05 33 13-2432	LF		3/8" Flexible Liquid Tight Non-Metallic Conduit .....	3.85	1.14
			<i>For Work In Restricted Working Space, Add</i>	0.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2433 LF 1/2" Flexible Liquid Tight Non-Metallic Conduit ..... <i>For Work In Restricted Working Space, Add</i>	3.94 0.86	1.14
26 05 33 13-2434 LF 3/4" Flexible Liquid Tight Non-Metallic Conduit ..... <i>For Work In Restricted Working Space, Add</i>	5.30 1.14	1.52
26 05 33 13-2435 LF 1" Flexible Liquid Tight Non-Metallic Conduit ..... <i>For Work In Restricted Working Space, Add</i>	6.82 1.14	1.52
26 05 33 13-2436 LF 1-1/4" Flexible Liquid Tight Non-Metallic Conduit ..... <i>For Work In Restricted Working Space, Add</i>	8.67 1.43	1.91
26 05 33 13-2437 LF 1-1/2" Flexible Liquid Tight Non-Metallic Conduit ..... <i>For Work In Restricted Working Space, Add</i>	11.17 1.72	2.29
26 05 33 13-2438 LF 2" Flexible Liquid Tight Non-Metallic Conduit ..... <i>For Work In Restricted Working Space, Add</i>	14.26 2.29	3.05
<b>26 05 33 13-2439 Liquid Tight Non-Metallic Straight Connector</b> (26 05 33 13-2430)		
26 05 33 13-2440 EA 3/8" Liquid Tight Non-Metallic Straight Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28 2.29 2.29	3.05
26 05 33 13-2441 EA 1/2" Liquid Tight Non-Metallic Straight Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28 2.29 2.29	3.05
26 05 33 13-2442 EA 3/4" Liquid Tight Non-Metallic Straight Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.00 2.57 2.57	3.43
26 05 33 13-2443 EA 1" Liquid Tight Non-Metallic Straight Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.67 2.86 2.86	3.81
26 05 33 13-2444 EA 1-1/4" Liquid Tight Non-Metallic Straight Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.09 3.14 3.14	4.19
26 05 33 13-2445 EA 1-1/2" Liquid Tight Non-Metallic Straight Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.77 3.43 3.43	4.57
26 05 33 13-2446 EA 2" Liquid Tight Non-Metallic Straight Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.64 4.00 4.00	5.34
<b>26 05 33 13-2447 Liquid Tight Non-Metallic 90 Degree Angle Connector</b> (26 05 33 13-2430)		
26 05 33 13-2448 EA 3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.44 3.14 3.14	4.19
26 05 33 13-2449 EA 1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.44 3.14 3.14	4.19
26 05 33 13-2450 EA 3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.59 3.43 3.43	4.57
26 05 33 13-2451 EA 1" Liquid Tight Non-Metallic 90 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.88 4.00 4.00	5.34
26 05 33 13-2452 EA 1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.74 4.29 4.29	5.72
26 05 33 13-2453 EA 1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.53 4.57 4.57	6.10
26 05 33 13-2454 EA 2" Liquid Tight Non-Metallic 90 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.78 5.15 5.15	6.86
<b>26 05 33 13-2455 Liquid Tight Non-Metallic 45 Degree Angle Connector</b> (26 05 33 13-2430)		
26 05 33 13-2456 EA 3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.44 3.14 3.14	4.19
26 05 33 13-2457 EA 1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.44 3.14 3.14	4.19
26 05 33 13-2458 EA 3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.59 3.43 3.43	4.57
26 05 33 13-2459 EA 1" Liquid Tight Non-Metallic 45 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.88 4.00 4.00	5.34
26 05 33 13-2460 EA 1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.74 4.29 4.29	5.72
26 05 33 13-2461 EA 1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.53 4.57 4.57	6.10
26 05 33 13-2462 EA 2" Liquid Tight Non-Metallic 45 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.78 5.15 5.15	6.86

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

26 05 33 13-2463	Blue ENT Electrical Non-Metallic Tubing <small>(26 05 33 13-2282)</small> Note: Carlon - FLEX-PLUS.		
26 05 33 13-2464	Blue ENT Electrical Non-Metallic Tubing <small>(26 05 33 13-2463)</small>		
26 05 33 13-2465	LF 1/2" Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i>	4.22 0.94	1.25
26 05 33 13-2466	LF 3/4" Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i>	5.69 1.25	1.66
26 05 33 13-2467	LF 1" Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i>	6.62 1.25	1.66
26 05 33 13-2468	Terminal Adapter <small>(26 05 33 13-2463)</small>		
26 05 33 13-2469	EA 1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13 2.50 2.50	3.34
26 05 33 13-2470	EA 3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.65 2.81 2.81	3.76
26 05 33 13-2471	EA 1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.63 3.13 3.13	4.17
26 05 33 13-2472	Coupling <small>(26 05 33 13-2463)</small>		
26 05 33 13-2473	EA 1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i>	9.90 2.50	3.34
26 05 33 13-2474	EA 3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i>	11.40 2.81	3.76
26 05 33 13-2475	EA 1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i>	13.46 3.13	4.17
26 05 33 13-2476	Metallic Conduit Bodies <small>(26 05 33 13-0057)</small>		
26 05 33 13-2477	Threaded, Cast Aluminum Conduit Body <small>(26 05 33 13-2476)</small> Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), Intermediate Metal Conduit (IMC), or Aluminum Rigid Conduit (ARC)		
26 05 33 13-2478	Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2477)</small>		
26 05 33 13-2479	EA 1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Mogul LB, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.64 13.72 5.14 4.57 9.15 11.44 16.01 18.30 22.87 25.16 13.72	18.29
26 05 33 13-2480	EA 3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Mogul LB, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.85 15.72 7.46 5.24 10.48 13.10 18.34 20.96 26.21 28.83 15.72	20.96
26 05 33 13-2481	EA 1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Mogul LB, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.13 18.30 11.31 6.10 12.20 15.25 21.35 24.40 30.50 33.54 18.30	24.39





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2482 EA 1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	98.15	27.82
For Work In Restricted Working Space, Add	20.87	
For Mogul LB, Add	17.96	
For Elevated Installation >10' To 15', Add	6.96	
For Elevated Installation >15' To 20', Add	13.91	
For Elevated Installation >20' To 25', Add	17.39	
For Elevated Installation >25' To 30', Add	24.35	
For Elevated Installation >30' To 35', Add	27.83	
For Elevated Installation >35' To 40', Add	34.79	
For Elevated Installation >40', Add	38.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.87	
26 05 33 13-2483 EA 1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	113.10	30.49
For Work In Restricted Working Space, Add	22.87	
For Mogul LB, Add	23.84	
For Elevated Installation >10' To 15', Add	7.62	
For Elevated Installation >15' To 20', Add	15.25	
For Elevated Installation >20' To 25', Add	19.06	
For Elevated Installation >25' To 30', Add	26.68	
For Elevated Installation >30' To 35', Add	30.49	
For Elevated Installation >35' To 40', Add	38.12	
For Elevated Installation >40', Add	41.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.87	
26 05 33 13-2484 EA 2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	151.04	36.59
For Work In Restricted Working Space, Add	27.44	
For Mogul LB, Add	40.10	
For Elevated Installation >10' To 15', Add	9.15	
For Elevated Installation >15' To 20', Add	18.30	
For Elevated Installation >20' To 25', Add	22.87	
For Elevated Installation >25' To 30', Add	32.02	
For Elevated Installation >30' To 35', Add	36.59	
For Elevated Installation >35' To 40', Add	45.74	
For Elevated Installation >40', Add	50.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.44	
26 05 33 13-2485 EA 2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	260.46	51.46
For Work In Restricted Working Space, Add	38.59	
For Mogul LB, Add	92.43	
For Elevated Installation >10' To 15', Add	12.86	
For Elevated Installation >15' To 20', Add	25.73	
For Elevated Installation >20' To 25', Add	32.16	
For Elevated Installation >25' To 30', Add	45.02	
For Elevated Installation >30' To 35', Add	51.46	
For Elevated Installation >35' To 40', Add	64.32	
For Elevated Installation >40', Add	70.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.59	
26 05 33 13-2486 EA 3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	341.73	68.61
For Work In Restricted Working Space, Add	51.46	
For Mogul LB, Add	119.07	
For Elevated Installation >10' To 15', Add	17.15	
For Elevated Installation >15' To 20', Add	34.31	
For Elevated Installation >20' To 25', Add	42.88	
For Elevated Installation >25' To 30', Add	60.04	
For Elevated Installation >30' To 35', Add	68.61	
For Elevated Installation >35' To 40', Add	85.77	
For Elevated Installation >40', Add	94.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.46	
26 05 33 13-2487 EA 3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	457.81	85.76
For Work In Restricted Working Space, Add	64.32	
For Mogul LB, Add	171.84	
For Elevated Installation >10' To 15', Add	21.44	
For Elevated Installation >15' To 20', Add	42.88	
For Elevated Installation >20' To 25', Add	53.60	
For Elevated Installation >25' To 30', Add	75.04	
For Elevated Installation >30' To 35', Add	85.76	
For Elevated Installation >35' To 40', Add	107.20	
For Elevated Installation >40', Add	117.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.32	
26 05 33 13-2488 EA 4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	599.34	104.44
For Work In Restricted Working Space, Add	78.33	
For Mogul LB, Add	240.63	
For Elevated Installation >10' To 15', Add	26.11	
For Elevated Installation >15' To 20', Add	52.22	
For Elevated Installation >20' To 25', Add	65.28	
For Elevated Installation >25' To 30', Add	91.39	
For Elevated Installation >30' To 35', Add	104.44	
For Elevated Installation >35' To 40', Add	130.55	
For Elevated Installation >40', Add	143.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.33	

26 05 33 13-2489 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2477)

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2490	EA		1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	56.85	18.29
			<i>For Work In Restricted Working Space, Add</i>	13.72	
			<i>For Mogul LB, Add</i>	6.05	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.57	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.15	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	22.87	
			<i>For Elevated Installation &gt;40', Add</i>	25.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.72	
26 05 33 13-2491	EA		3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	67.03	20.96
			<i>For Work In Restricted Working Space, Add</i>	15.72	
			<i>For Mogul LB, Add</i>	8.34	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.24	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.48	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.96	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.21	
			<i>For Elevated Installation &gt;40', Add</i>	28.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.72	
26 05 33 13-2492	EA		1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	82.50	24.39
			<i>For Work In Restricted Working Space, Add</i>	18.30	
			<i>For Mogul LB, Add</i>	13.08	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.50	
			<i>For Elevated Installation &gt;40', Add</i>	33.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.30	
26 05 33 13-2493	EA		1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	101.04	27.82
			<i>For Work In Restricted Working Space, Add</i>	20.87	
			<i>For Mogul LB, Add</i>	20.12	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.96	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.91	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.39	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	27.83	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	34.79	
			<i>For Elevated Installation &gt;40', Add</i>	38.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.87	
26 05 33 13-2494	EA		1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	118.01	30.49
			<i>For Work In Restricted Working Space, Add</i>	22.87	
			<i>For Mogul LB, Add</i>	27.52	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.06	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	26.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	30.49	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	38.12	
			<i>For Elevated Installation &gt;40', Add</i>	41.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.87	
26 05 33 13-2495	EA		2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	161.57	36.59
			<i>For Work In Restricted Working Space, Add</i>	27.44	
			<i>For Mogul LB, Add</i>	47.99	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.30	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	32.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.59	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.74	
			<i>For Elevated Installation &gt;40', Add</i>	50.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.44	
26 05 33 13-2496	EA		2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	255.15	51.46
			<i>For Work In Restricted Working Space, Add</i>	38.59	
			<i>For Mogul LB, Add</i>	88.45	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	25.73	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	32.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	45.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	51.46	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	64.32	
			<i>For Elevated Installation &gt;40', Add</i>	70.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2497 EA 3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	323.86	68.61
For Work In Restricted Working Space, Add	51.46	
For Mogul LB, Add	105.67	
For Elevated Installation >10' To 15', Add	17.15	
For Elevated Installation >15' To 20', Add	34.31	
For Elevated Installation >20' To 25', Add	42.88	
For Elevated Installation >25' To 30', Add	60.04	
For Elevated Installation >30' To 35', Add	68.61	
For Elevated Installation >35' To 40', Add	85.77	
For Elevated Installation >40', Add	94.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.46	
26 05 33 13-2498 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	473.04	85.76
For Work In Restricted Working Space, Add	64.32	
For Mogul LB, Add	183.26	
For Elevated Installation >10' To 15', Add	21.44	
For Elevated Installation >15' To 20', Add	42.88	
For Elevated Installation >20' To 25', Add	53.60	
For Elevated Installation >25' To 30', Add	75.04	
For Elevated Installation >30' To 35', Add	85.76	
For Elevated Installation >35' To 40', Add	107.20	
For Elevated Installation >40', Add	117.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.32	
26 05 33 13-2499 EA 4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	630.46	104.44
For Work In Restricted Working Space, Add	78.33	
For Mogul LB, Add	263.97	
For Elevated Installation >10' To 15', Add	26.11	
For Elevated Installation >15' To 20', Add	52.22	
For Elevated Installation >20' To 25', Add	65.28	
For Elevated Installation >25' To 30', Add	91.39	
For Elevated Installation >30' To 35', Add	104.44	
For Elevated Installation >35' To 40', Add	130.55	
For Elevated Installation >40', Add	143.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.33	
<b>26 05 33 13-2500 Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2477)</small>		
26 05 33 13-2501 EA 1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	65.54	20.96
For Work In Restricted Working Space, Add	15.72	
For Elevated Installation >10' To 15', Add	5.24	
For Elevated Installation >15' To 20', Add	10.48	
For Elevated Installation >20' To 25', Add	13.10	
For Elevated Installation >25' To 30', Add	18.34	
For Elevated Installation >30' To 35', Add	20.96	
For Elevated Installation >35' To 40', Add	26.21	
For Elevated Installation >40', Add	28.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.72	
26 05 33 13-2502 EA 3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	77.89	24.39
For Work In Restricted Working Space, Add	18.30	
For Elevated Installation >10' To 15', Add	6.10	
For Elevated Installation >15' To 20', Add	12.20	
For Elevated Installation >20' To 25', Add	15.25	
For Elevated Installation >25' To 30', Add	21.35	
For Elevated Installation >30' To 35', Add	24.40	
For Elevated Installation >35' To 40', Add	30.50	
For Elevated Installation >40', Add	33.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.30	
26 05 33 13-2503 EA 1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	90.63	26.68
For Work In Restricted Working Space, Add	20.01	
For Elevated Installation >10' To 15', Add	6.67	
For Elevated Installation >15' To 20', Add	13.34	
For Elevated Installation >20' To 25', Add	16.68	
For Elevated Installation >25' To 30', Add	23.35	
For Elevated Installation >30' To 35', Add	26.68	
For Elevated Installation >35' To 40', Add	33.36	
For Elevated Installation >40', Add	36.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.01	
26 05 33 13-2504 EA 1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	112.49	30.49
For Work In Restricted Working Space, Add	22.87	
For Elevated Installation >10' To 15', Add	7.62	
For Elevated Installation >15' To 20', Add	15.25	
For Elevated Installation >20' To 25', Add	19.06	
For Elevated Installation >25' To 30', Add	26.68	
For Elevated Installation >30' To 35', Add	30.49	
For Elevated Installation >35' To 40', Add	38.12	
For Elevated Installation >40', Add	41.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.87	
26 05 33 13-2505 EA 1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	130.98	33.54
For Work In Restricted Working Space, Add	25.16	
For Elevated Installation >10' To 15', Add	8.39	
For Elevated Installation >15' To 20', Add	16.77	
For Elevated Installation >20' To 25', Add	20.97	
For Elevated Installation >25' To 30', Add	29.35	
For Elevated Installation >30' To 35', Add	33.54	
For Elevated Installation >35' To 40', Add	41.93	
For Elevated Installation >40', Add	46.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.16	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2506	EA	2"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	178.74 29.45 9.82 19.63 24.54 34.35 39.26 49.08 53.98 29.45	39.26
26 05 33 13-2507	EA	2-1/2"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	285.33 42.88 14.29 28.59 35.73 50.03 57.17 71.47 78.61 42.88	57.18
26 05 33 13-2508	EA	3"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	368.37 55.75 18.58 37.16 46.46 65.04 74.33 92.91 102.20 55.75	74.33
26 05 33 13-2509	EA	3-1/2"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	607.84 68.61 22.87 45.74 57.17 80.04 91.48 114.35 125.78 68.61	91.48
26 05 33 13-2510	EA	4"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	692.85 82.62 27.54 55.08 68.85 96.39 110.16 137.70 151.46 82.62	110.16
26 05 33 13-2511			<b>Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2477)</small>		
26 05 33 13-2512	EA	1/2"	Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.09 13.72 4.57 9.15 11.44 16.01 18.30 22.87 25.16 13.72	18.29
26 05 33 13-2513	EA	3/4"	Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.20 15.72 5.24 10.48 13.10 18.34 20.96 26.21 28.83 15.72	20.96
26 05 33 13-2514	EA	1"	Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.59 18.01 6.00 12.01 15.01 21.01 24.02 30.02 33.02 18.01	24.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2515 EA 1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	99.89	27.82
For Work In Restricted Working Space, Add	20.87	
For Elevated Installation >10' To 15', Add	6.96	
For Elevated Installation >15' To 20', Add	13.91	
For Elevated Installation >20' To 25', Add	17.39	
For Elevated Installation >25' To 30', Add	24.35	
For Elevated Installation >30' To 35', Add	27.83	
For Elevated Installation >35' To 40', Add	34.79	
For Elevated Installation >40', Add	38.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.87	
26 05 33 13-2516 EA 1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	112.30	30.49
For Work In Restricted Working Space, Add	22.87	
For Elevated Installation >10' To 15', Add	7.62	
For Elevated Installation >15' To 20', Add	15.25	
For Elevated Installation >20' To 25', Add	19.06	
For Elevated Installation >25' To 30', Add	26.68	
For Elevated Installation >30' To 35', Add	30.49	
For Elevated Installation >35' To 40', Add	38.12	
For Elevated Installation >40', Add	41.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.87	
26 05 33 13-2517 EA 2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	151.12	36.59
For Work In Restricted Working Space, Add	27.44	
For Elevated Installation >10' To 15', Add	9.15	
For Elevated Installation >15' To 20', Add	18.30	
For Elevated Installation >20' To 25', Add	22.87	
For Elevated Installation >25' To 30', Add	32.02	
For Elevated Installation >30' To 35', Add	36.59	
For Elevated Installation >35' To 40', Add	45.74	
For Elevated Installation >40', Add	50.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.44	
26 05 33 13-2518 EA 2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	250.67	51.46
For Work In Restricted Working Space, Add	38.59	
For Elevated Installation >10' To 15', Add	12.86	
For Elevated Installation >15' To 20', Add	25.73	
For Elevated Installation >20' To 25', Add	32.16	
For Elevated Installation >25' To 30', Add	45.02	
For Elevated Installation >30' To 35', Add	51.46	
For Elevated Installation >35' To 40', Add	64.32	
For Elevated Installation >40', Add	70.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.59	
26 05 33 13-2519 EA 3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	321.01	68.61
For Work In Restricted Working Space, Add	51.46	
For Elevated Installation >10' To 15', Add	17.15	
For Elevated Installation >15' To 20', Add	34.31	
For Elevated Installation >20' To 25', Add	42.88	
For Elevated Installation >25' To 30', Add	60.04	
For Elevated Installation >30' To 35', Add	68.61	
For Elevated Installation >35' To 40', Add	85.77	
For Elevated Installation >40', Add	94.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.46	
26 05 33 13-2520 EA 3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	463.88	85.76
For Work In Restricted Working Space, Add	64.32	
For Elevated Installation >10' To 15', Add	21.44	
For Elevated Installation >15' To 20', Add	42.88	
For Elevated Installation >20' To 25', Add	53.60	
For Elevated Installation >25' To 30', Add	75.04	
For Elevated Installation >30' To 35', Add	85.76	
For Elevated Installation >35' To 40', Add	107.20	
For Elevated Installation >40', Add	117.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.32	
26 05 33 13-2521 EA 4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	602.20	104.44
For Work In Restricted Working Space, Add	78.33	
For Elevated Installation >10' To 15', Add	26.11	
For Elevated Installation >15' To 20', Add	52.22	
For Elevated Installation >20' To 25', Add	65.28	
For Elevated Installation >25' To 30', Add	91.39	
For Elevated Installation >30' To 35', Add	104.44	
For Elevated Installation >35' To 40', Add	130.55	
For Elevated Installation >40', Add	143.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.33	
<b>26 05 33 13-2522 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2477)</small>		
26 05 33 13-2523 EA 1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	76.15	24.01
For Work In Restricted Working Space, Add	18.01	
For Elevated Installation >10' To 15', Add	6.00	
For Elevated Installation >15' To 20', Add	12.01	
For Elevated Installation >20' To 25', Add	15.01	
For Elevated Installation >25' To 30', Add	21.01	
For Elevated Installation >30' To 35', Add	24.02	
For Elevated Installation >35' To 40', Add	30.02	
For Elevated Installation >40', Add	33.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.01	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2524	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	88.50	26.68
			<i>For Work In Restricted Working Space, Add</i>	20.01	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.67	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.34	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.68	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.36	
			<i>For Elevated Installation &gt;40', Add</i>	36.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.01	
26 05 33	13-2525	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	110.25	29.35
			<i>For Work In Restricted Working Space, Add</i>	22.01	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.34	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.68	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.35	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	29.35	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	36.69	
			<i>For Elevated Installation &gt;40', Add</i>	40.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.01	
26 05 33	13-2526	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	127.28	33.54
			<i>For Work In Restricted Working Space, Add</i>	25.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.54	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.93	
			<i>For Elevated Installation &gt;40', Add</i>	46.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.16	
26 05 33	13-2527	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	167.52	36.59
			<i>For Work In Restricted Working Space, Add</i>	27.44	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.30	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	32.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.59	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.74	
			<i>For Elevated Installation &gt;40', Add</i>	50.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.44	
26 05 33	13-2528	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	202.12	44.97
			<i>For Work In Restricted Working Space, Add</i>	33.73	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.24	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.49	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	39.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	44.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	56.22	
			<i>For Elevated Installation &gt;40', Add</i>	61.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.73	
26 05 33	13-2529	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	387.35	65.94
			<i>For Work In Restricted Working Space, Add</i>	49.46	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	16.49	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	32.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	41.22	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	57.70	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	65.94	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	82.43	
			<i>For Elevated Installation &gt;40', Add</i>	90.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.46	
26 05 33	13-2530	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	475.05	85.76
			<i>For Work In Restricted Working Space, Add</i>	64.32	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	21.44	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	42.88	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	53.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	75.04	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	85.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	107.20	
			<i>For Elevated Installation &gt;40', Add</i>	117.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.32	
26 05 33	13-2531	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	687.19	105.96
			<i>For Work In Restricted Working Space, Add</i>	80.05	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	26.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	53.36	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	66.71	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	93.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	106.73	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	133.41	
			<i>For Elevated Installation &gt;40', Add</i>	146.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2532 EA 4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	831.10	127.31
<i>For Work In Restricted Working Space, Add</i>	95.48	
<i>For Elevated Installation &gt;10' To 15', Add</i>	31.83	
<i>For Elevated Installation &gt;15' To 20', Add</i>	63.65	
<i>For Elevated Installation &gt;20' To 25', Add</i>	79.57	
<i>For Elevated Installation &gt;25' To 30', Add</i>	111.39	
<i>For Elevated Installation &gt;30' To 35', Add</i>	127.31	
<i>For Elevated Installation &gt;35' To 40', Add</i>	159.14	
<i>For Elevated Installation &gt;40', Add</i>	175.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.48	
<b>26 05 33 13-2533 Threaded, Malleable Iron Conduit Body</b> <small>(26 05 33 13-2476)</small>		
Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), or Intermediate Metal Conduit (IMC)		
<b>26 05 33 13-2534 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover</b> <small>(26 05 33 13-2533)</small>		
26 05 33 13-2535 EA 1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	59.02	18.29
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.58	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.15	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.44	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.01	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	22.88	
<i>For Elevated Installation &gt;40', Add</i>	25.16	
<i>For Work In Restricted Working Space, Add</i>	13.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.73	
26 05 33 13-2536 EA 3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	68.67	20.96
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.24	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.10	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.34	
<i>For Elevated Installation &gt;30' To 35', Add</i>	20.96	
<i>For Elevated Installation &gt;35' To 40', Add</i>	26.20	
<i>For Elevated Installation &gt;40', Add</i>	28.82	
<i>For Work In Restricted Working Space, Add</i>	15.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.72	
26 05 33 13-2537 EA 1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	85.24	24.39
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.10	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.20	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.25	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	24.40	
<i>For Elevated Installation &gt;35' To 40', Add</i>	30.50	
<i>For Elevated Installation &gt;40', Add</i>	33.54	
<i>For Work In Restricted Working Space, Add</i>	18.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.30	
26 05 33 13-2538 EA 1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	113.06	27.82
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.96	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.91	
<i>For Elevated Installation &gt;20' To 25', Add</i>	17.39	
<i>For Elevated Installation &gt;25' To 30', Add</i>	24.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	27.82	
<i>For Elevated Installation &gt;35' To 40', Add</i>	34.78	
<i>For Elevated Installation &gt;40', Add</i>	38.26	
<i>For Work In Restricted Working Space, Add</i>	20.87	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.87	
26 05 33 13-2539 EA 1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	129.59	30.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.62	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.25	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.06	
<i>For Elevated Installation &gt;25' To 30', Add</i>	26.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	30.49	
<i>For Elevated Installation &gt;35' To 40', Add</i>	38.12	
<i>For Elevated Installation &gt;40', Add</i>	41.93	
<i>For Work In Restricted Working Space, Add</i>	22.87	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.87	
26 05 33 13-2540 EA 2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	180.78	36.59
<i>For Elevated Installation &gt;10' To 15', Add</i>	9.15	
<i>For Elevated Installation &gt;15' To 20', Add</i>	18.30	
<i>For Elevated Installation &gt;20' To 25', Add</i>	22.87	
<i>For Elevated Installation &gt;25' To 30', Add</i>	32.02	
<i>For Elevated Installation &gt;30' To 35', Add</i>	36.59	
<i>For Elevated Installation &gt;35' To 40', Add</i>	45.74	
<i>For Elevated Installation &gt;40', Add</i>	50.31	
<i>For Work In Restricted Working Space, Add</i>	27.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.44	
26 05 33 13-2541 EA 2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	311.44	51.46
<i>For Elevated Installation &gt;10' To 15', Add</i>	12.87	
<i>For Elevated Installation &gt;15' To 20', Add</i>	25.73	
<i>For Elevated Installation &gt;20' To 25', Add</i>	32.16	
<i>For Elevated Installation &gt;25' To 30', Add</i>	45.03	
<i>For Elevated Installation &gt;30' To 35', Add</i>	51.46	
<i>For Elevated Installation &gt;35' To 40', Add</i>	64.33	
<i>For Elevated Installation &gt;40', Add</i>	70.76	
<i>For Work In Restricted Working Space, Add</i>	38.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.60	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2542 EA 3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	444.21	68.61
For Elevated Installation >10' To 15', Add	17.15	
For Elevated Installation >15' To 20', Add	34.31	
For Elevated Installation >20' To 25', Add	42.88	
For Elevated Installation >25' To 30', Add	60.04	
For Elevated Installation >30' To 35', Add	68.61	
For Elevated Installation >35' To 40', Add	85.77	
For Elevated Installation >40', Add	94.34	
For Work In Restricted Working Space, Add	51.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.46	
26 05 33 13-2543 EA 3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	618.10	85.76
For Elevated Installation >10' To 15', Add	21.44	
For Elevated Installation >15' To 20', Add	42.88	
For Elevated Installation >20' To 25', Add	53.60	
For Elevated Installation >25' To 30', Add	75.04	
For Elevated Installation >30' To 35', Add	85.76	
For Elevated Installation >35' To 40', Add	107.20	
For Elevated Installation >40', Add	117.92	
For Work In Restricted Working Space, Add	64.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.32	
26 05 33 13-2544 EA 4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	738.47	104.44
For Elevated Installation >10' To 15', Add	26.11	
For Elevated Installation >15' To 20', Add	52.22	
For Elevated Installation >20' To 25', Add	65.28	
For Elevated Installation >25' To 30', Add	91.39	
For Elevated Installation >30' To 35', Add	104.44	
For Elevated Installation >35' To 40', Add	130.55	
For Elevated Installation >40', Add	143.61	
For Work In Restricted Working Space, Add	78.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.33	
<b>26 05 33 13-2545 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover</b> <small>(26 05 33 13-2533)</small>		
26 05 33 13-2546 EA 1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	62.09	18.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.73	
26 05 33 13-2547 EA 3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	69.57	20.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.72	
26 05 33 13-2548 EA 1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	89.93	24.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.30	
26 05 33 13-2549 EA 1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	116.21	27.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.87	
26 05 33 13-2550 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	133.44	30.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.87	
26 05 33 13-2551 EA 2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	172.89	36.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.44	
26 05 33 13-2552 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	267.61	51.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.60	
26 05 33 13-2553 EA 3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	365.40	68.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.46	
26 05 33 13-2554 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	664.51	85.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.32	
26 05 33 13-2555 EA 4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	772.71	104.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.33	
<b>26 05 33 13-2556 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover</b> <small>(26 05 33 13-2533)</small>		
26 05 33 13-2557 EA 1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	74.32	20.96
For Elevated Installation >10' To 15', Add	5.24	
For Elevated Installation >15' To 20', Add	10.48	
For Elevated Installation >20' To 25', Add	13.10	
For Elevated Installation >25' To 30', Add	18.34	
For Elevated Installation >30' To 35', Add	20.96	
For Elevated Installation >35' To 40', Add	26.21	
For Elevated Installation >40', Add	28.83	
For Work In Restricted Working Space, Add	15.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.72	
26 05 33 13-2558 EA 3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	87.57	24.39
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.39	
For Elevated Installation >20' To 25', Add	15.49	
For Elevated Installation >25' To 30', Add	21.68	
For Elevated Installation >30' To 35', Add	24.78	
For Elevated Installation >35' To 40', Add	30.97	
For Elevated Installation >40', Add	34.07	
For Work In Restricted Working Space, Add	18.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.58	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2559 EA 1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	105.46	26.68
For Elevated Installation >10' To 15', Add	6.67	
For Elevated Installation >15' To 20', Add	13.34	
For Elevated Installation >20' To 25', Add	16.68	
For Elevated Installation >25' To 30', Add	23.35	
For Elevated Installation >30' To 35', Add	26.68	
For Elevated Installation >35' To 40', Add	33.36	
For Elevated Installation >40', Add	36.69	
For Work In Restricted Working Space, Add	20.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.01	
26 05 33 13-2560 EA 1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	135.33	30.49
For Elevated Installation >10' To 15', Add	7.53	
For Elevated Installation >15' To 20', Add	15.06	
For Elevated Installation >20' To 25', Add	18.82	
For Elevated Installation >25' To 30', Add	26.35	
For Elevated Installation >30' To 35', Add	30.11	
For Elevated Installation >35' To 40', Add	37.64	
For Elevated Installation >40', Add	41.40	
For Work In Restricted Working Space, Add	22.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.58	
26 05 33 13-2561 EA 1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	156.02	33.54
For Elevated Installation >10' To 15', Add	8.39	
For Elevated Installation >15' To 20', Add	16.77	
For Elevated Installation >20' To 25', Add	20.97	
For Elevated Installation >25' To 30', Add	29.35	
For Elevated Installation >30' To 35', Add	33.54	
For Elevated Installation >35' To 40', Add	41.93	
For Elevated Installation >40', Add	46.12	
For Work In Restricted Working Space, Add	25.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.16	
26 05 33 13-2562 EA 2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	211.20	39.26
For Elevated Installation >10' To 15', Add	9.82	
For Elevated Installation >15' To 20', Add	19.63	
For Elevated Installation >20' To 25', Add	24.54	
For Elevated Installation >25' To 30', Add	34.35	
For Elevated Installation >30' To 35', Add	39.26	
For Elevated Installation >35' To 40', Add	49.08	
For Elevated Installation >40', Add	53.98	
For Work In Restricted Working Space, Add	29.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.45	
26 05 33 13-2563 EA 2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	261.53	57.18
For Elevated Installation >10' To 15', Add	14.29	
For Elevated Installation >15' To 20', Add	28.59	
For Elevated Installation >20' To 25', Add	35.73	
For Elevated Installation >25' To 30', Add	50.03	
For Elevated Installation >30' To 35', Add	57.17	
For Elevated Installation >35' To 40', Add	71.47	
For Elevated Installation >40', Add	78.61	
For Work In Restricted Working Space, Add	42.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.88	
26 05 33 13-2564 EA 3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	382.90	74.33
For Elevated Installation >10' To 15', Add	18.58	
For Elevated Installation >15' To 20', Add	37.16	
For Elevated Installation >20' To 25', Add	46.46	
For Elevated Installation >25' To 30', Add	65.04	
For Elevated Installation >30' To 35', Add	74.33	
For Elevated Installation >35' To 40', Add	92.91	
For Elevated Installation >40', Add	102.20	
For Work In Restricted Working Space, Add	55.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.75	
26 05 33 13-2565 EA 3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	700.24	91.48
For Elevated Installation >10' To 15', Add	22.87	
For Elevated Installation >15' To 20', Add	45.74	
For Elevated Installation >20' To 25', Add	57.17	
For Elevated Installation >25' To 30', Add	80.04	
For Elevated Installation >30' To 35', Add	91.48	
For Elevated Installation >35' To 40', Add	114.35	
For Elevated Installation >40', Add	125.78	
For Work In Restricted Working Space, Add	68.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.61	
26 05 33 13-2566 EA 4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	806.48	110.16
For Elevated Installation >10' To 15', Add	27.64	
For Elevated Installation >15' To 20', Add	55.27	
For Elevated Installation >20' To 25', Add	69.09	
For Elevated Installation >25' To 30', Add	96.72	
For Elevated Installation >30' To 35', Add	110.54	
For Elevated Installation >35' To 40', Add	138.18	
For Elevated Installation >40', Add	151.99	
For Work In Restricted Working Space, Add	82.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.91	

26 05 33 13-2567 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2533)

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2568 EA 1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	59.24	18.29
For Elevated Installation >10' To 15', Add	4.57	
For Elevated Installation >15' To 20', Add	9.15	
For Elevated Installation >20' To 25', Add	11.44	
For Elevated Installation >25' To 30', Add	16.01	
For Elevated Installation >30' To 35', Add	18.30	
For Elevated Installation >35' To 40', Add	22.87	
For Elevated Installation >40', Add	25.16	
For Work In Restricted Working Space, Add	13.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.72	
26 05 33 13-2569 EA 3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	72.65	20.96
For Elevated Installation >10' To 15', Add	5.24	
For Elevated Installation >15' To 20', Add	10.48	
For Elevated Installation >20' To 25', Add	13.10	
For Elevated Installation >25' To 30', Add	18.34	
For Elevated Installation >30' To 35', Add	20.96	
For Elevated Installation >35' To 40', Add	26.21	
For Elevated Installation >40', Add	28.83	
For Work In Restricted Working Space, Add	15.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.72	
26 05 33 13-2570 EA 1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	85.39	24.01
For Elevated Installation >10' To 15', Add	6.00	
For Elevated Installation >15' To 20', Add	12.01	
For Elevated Installation >20' To 25', Add	15.01	
For Elevated Installation >25' To 30', Add	21.01	
For Elevated Installation >30' To 35', Add	24.02	
For Elevated Installation >35' To 40', Add	30.02	
For Elevated Installation >40', Add	33.02	
For Work In Restricted Working Space, Add	18.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.01	
26 05 33 13-2571 EA 1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	118.86	27.82
For Elevated Installation >10' To 15', Add	6.96	
For Elevated Installation >15' To 20', Add	13.91	
For Elevated Installation >20' To 25', Add	17.39	
For Elevated Installation >25' To 30', Add	24.35	
For Elevated Installation >30' To 35', Add	27.83	
For Elevated Installation >35' To 40', Add	34.79	
For Elevated Installation >40', Add	38.26	
For Work In Restricted Working Space, Add	20.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.87	
26 05 33 13-2572 EA 1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	140.44	30.49
For Elevated Installation >10' To 15', Add	7.62	
For Elevated Installation >15' To 20', Add	15.25	
For Elevated Installation >20' To 25', Add	19.06	
For Elevated Installation >25' To 30', Add	26.68	
For Elevated Installation >30' To 35', Add	30.49	
For Elevated Installation >35' To 40', Add	38.12	
For Elevated Installation >40', Add	41.93	
For Work In Restricted Working Space, Add	22.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.87	
26 05 33 13-2573 EA 2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	183.88	36.59
For Elevated Installation >10' To 15', Add	9.15	
For Elevated Installation >15' To 20', Add	18.30	
For Elevated Installation >20' To 25', Add	22.87	
For Elevated Installation >25' To 30', Add	32.02	
For Elevated Installation >30' To 35', Add	36.59	
For Elevated Installation >35' To 40', Add	45.74	
For Elevated Installation >40', Add	50.31	
For Work In Restricted Working Space, Add	27.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.44	
26 05 33 13-2574 EA 2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	400.03	96.52
For Elevated Installation >10' To 15', Add	24.12	
For Elevated Installation >15' To 20', Add	48.24	
For Elevated Installation >20' To 25', Add	60.30	
For Elevated Installation >25' To 30', Add	84.42	
For Elevated Installation >30' To 35', Add	96.48	
For Elevated Installation >35' To 40', Add	120.61	
For Elevated Installation >40', Add	132.67	
For Work In Restricted Working Space, Add	72.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.36	
26 05 33 13-2575 EA 3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	398.50	68.61
For Elevated Installation >10' To 15', Add	17.15	
For Elevated Installation >15' To 20', Add	34.31	
For Elevated Installation >20' To 25', Add	42.88	
For Elevated Installation >25' To 30', Add	60.04	
For Elevated Installation >30' To 35', Add	68.61	
For Elevated Installation >35' To 40', Add	85.77	
For Elevated Installation >40', Add	94.34	
For Work In Restricted Working Space, Add	51.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2576 EA 3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	664.51	85.76
<i>For Elevated Installation &gt;10' To 15', Add</i>	21.44	
<i>For Elevated Installation &gt;15' To 20', Add</i>	42.88	
<i>For Elevated Installation &gt;20' To 25', Add</i>	53.60	
<i>For Elevated Installation &gt;25' To 30', Add</i>	75.04	
<i>For Elevated Installation &gt;30' To 35', Add</i>	85.76	
<i>For Elevated Installation &gt;35' To 40', Add</i>	107.20	
<i>For Elevated Installation &gt;40', Add</i>	117.92	
<i>For Work In Restricted Working Space, Add</i>	64.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.32	
26 05 33 13-2577 EA 4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	772.70	104.44
<i>For Elevated Installation &gt;10' To 15', Add</i>	26.11	
<i>For Elevated Installation &gt;15' To 20', Add</i>	52.22	
<i>For Elevated Installation &gt;20' To 25', Add</i>	65.27	
<i>For Elevated Installation &gt;25' To 30', Add</i>	91.38	
<i>For Elevated Installation &gt;30' To 35', Add</i>	104.44	
<i>For Elevated Installation &gt;35' To 40', Add</i>	130.55	
<i>For Elevated Installation &gt;40', Add</i>	143.60	
<i>For Work In Restricted Working Space, Add</i>	78.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.33	
<b>26 05 33 13-2578 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover</b> <small>(26 05 33)</small>		
26 05 33 13-2579 EA 1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	84.33	24.01
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.00	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.01	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.01	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.01	
<i>For Elevated Installation &gt;30' To 35', Add</i>	24.02	
<i>For Elevated Installation &gt;35' To 40', Add</i>	30.02	
<i>For Elevated Installation &gt;40', Add</i>	33.02	
<i>For Work In Restricted Working Space, Add</i>	18.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.01	
26 05 33 13-2580 EA 3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	91.91	26.68
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.67	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.34	
<i>For Elevated Installation &gt;20' To 25', Add</i>	16.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	23.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	26.68	
<i>For Elevated Installation &gt;35' To 40', Add</i>	33.36	
<i>For Elevated Installation &gt;40', Add</i>	36.69	
<i>For Work In Restricted Working Space, Add</i>	20.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.01	
26 05 33 13-2581 EA 1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	107.96	29.35
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.34	
<i>For Elevated Installation &gt;15' To 20', Add</i>	14.68	
<i>For Elevated Installation &gt;20' To 25', Add</i>	18.35	
<i>For Elevated Installation &gt;25' To 30', Add</i>	25.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	29.35	
<i>For Elevated Installation &gt;35' To 40', Add</i>	36.69	
<i>For Elevated Installation &gt;40', Add</i>	40.36	
<i>For Work In Restricted Working Space, Add</i>	22.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.01	
26 05 33 13-2582 EA 1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	129.52	33.54
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.39	
<i>For Elevated Installation &gt;15' To 20', Add</i>	16.77	
<i>For Elevated Installation &gt;20' To 25', Add</i>	20.97	
<i>For Elevated Installation &gt;25' To 30', Add</i>	29.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	33.54	
<i>For Elevated Installation &gt;35' To 40', Add</i>	41.93	
<i>For Elevated Installation &gt;40', Add</i>	46.12	
<i>For Work In Restricted Working Space, Add</i>	25.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.16	
26 05 33 13-2583 EA 1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	151.05	36.59
<i>For Elevated Installation &gt;10' To 15', Add</i>	9.15	
<i>For Elevated Installation &gt;15' To 20', Add</i>	18.30	
<i>For Elevated Installation &gt;20' To 25', Add</i>	22.87	
<i>For Elevated Installation &gt;25' To 30', Add</i>	32.02	
<i>For Elevated Installation &gt;30' To 35', Add</i>	36.59	
<i>For Elevated Installation &gt;35' To 40', Add</i>	45.74	
<i>For Elevated Installation &gt;40', Add</i>	50.31	
<i>For Work In Restricted Working Space, Add</i>	27.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.44	
26 05 33 13-2584 EA 2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	216.15	44.97
<i>For Elevated Installation &gt;10' To 15', Add</i>	11.24	
<i>For Elevated Installation &gt;15' To 20', Add</i>	22.49	
<i>For Elevated Installation &gt;20' To 25', Add</i>	28.11	
<i>For Elevated Installation &gt;25' To 30', Add</i>	39.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	44.98	
<i>For Elevated Installation &gt;35' To 40', Add</i>	56.22	
<i>For Elevated Installation &gt;40', Add</i>	61.84	
<i>For Work In Restricted Working Space, Add</i>	33.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.73	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2585 EA 2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	350.02	65.94
For Elevated Installation >10' To 15', Add	16.49	
For Elevated Installation >15' To 20', Add	32.97	
For Elevated Installation >20' To 25', Add	41.22	
For Elevated Installation >25' To 30', Add	57.70	
For Elevated Installation >30' To 35', Add	65.94	
For Elevated Installation >35' To 40', Add	82.43	
For Elevated Installation >40', Add	90.67	
For Work In Restricted Working Space, Add	49.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.46	
26 05 33 13-2586 EA 3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	522.09	85.76
For Elevated Installation >10' To 15', Add	21.44	
For Elevated Installation >15' To 20', Add	42.88	
For Elevated Installation >20' To 25', Add	53.60	
For Elevated Installation >25' To 30', Add	75.04	
For Elevated Installation >30' To 35', Add	85.76	
For Elevated Installation >35' To 40', Add	107.20	
For Elevated Installation >40', Add	117.92	
For Work In Restricted Working Space, Add	64.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.32	
26 05 33 13-2587 EA 3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	796.99	105.96
For Elevated Installation >10' To 15', Add	26.49	
For Elevated Installation >15' To 20', Add	52.98	
For Elevated Installation >20' To 25', Add	66.23	
For Elevated Installation >25' To 30', Add	92.72	
For Elevated Installation >30' To 35', Add	105.96	
For Elevated Installation >35' To 40', Add	132.46	
For Elevated Installation >40', Add	145.70	
For Work In Restricted Working Space, Add	79.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.47	
26 05 33 13-2588 EA 4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	883.21	127.31
For Elevated Installation >10' To 15', Add	31.83	
For Elevated Installation >15' To 20', Add	63.65	
For Elevated Installation >20' To 25', Add	79.57	
For Elevated Installation >25' To 30', Add	111.39	
For Elevated Installation >30' To 35', Add	127.31	
For Elevated Installation >35' To 40', Add	159.14	
For Elevated Installation >40', Add	175.05	
For Work In Restricted Working Space, Add	95.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.48	
<b>26 05 33 13-2589 Set Screw, Cast Aluminum Conduit Body</b> <small>(26 05 33 13-2476)</small>		
Note: For use with Electrical Metallic Tubing (EMT)		
<b>26 05 33 13-2590 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2589)</small>		
26 05 33 13-2591 EA 1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	29.62	7.24
For Work In Restricted Working Space, Add	5.43	
For Elevated Installation >10' To 15', Add	1.81	
For Elevated Installation >15' To 20', Add	3.62	
For Elevated Installation >20' To 25', Add	4.53	
For Elevated Installation >25' To 30', Add	6.34	
For Elevated Installation >30' To 35', Add	7.24	
For Elevated Installation >35' To 40', Add	9.05	
For Elevated Installation >40', Add	9.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.43	
26 05 33 13-2592 EA 3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	37.67	9.53
For Work In Restricted Working Space, Add	7.15	
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.76	
For Elevated Installation >20' To 25', Add	5.96	
For Elevated Installation >25' To 30', Add	8.34	
For Elevated Installation >30' To 35', Add	9.53	
For Elevated Installation >35' To 40', Add	11.91	
For Elevated Installation >40', Add	13.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.15	
26 05 33 13-2593 EA 1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	51.89	11.81
For Work In Restricted Working Space, Add	8.86	
For Elevated Installation >10' To 15', Add	2.95	
For Elevated Installation >15' To 20', Add	5.91	
For Elevated Installation >20' To 25', Add	7.39	
For Elevated Installation >25' To 30', Add	10.34	
For Elevated Installation >30' To 35', Add	11.82	
For Elevated Installation >35' To 40', Add	14.77	
For Elevated Installation >40', Add	16.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.86	
26 05 33 13-2594 EA 1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	68.01	14.48
For Work In Restricted Working Space, Add	10.86	
For Elevated Installation >10' To 15', Add	3.62	
For Elevated Installation >15' To 20', Add	7.24	
For Elevated Installation >20' To 25', Add	9.05	
For Elevated Installation >25' To 30', Add	12.67	
For Elevated Installation >30' To 35', Add	14.48	
For Elevated Installation >35' To 40', Add	18.11	
For Elevated Installation >40', Add	19.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2595 EA 1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	91.38	16.77
For Work In Restricted Working Space, Add	12.58	
For Elevated Installation >10' To 15', Add	4.19	
For Elevated Installation >15' To 20', Add	8.38	
For Elevated Installation >20' To 25', Add	10.48	
For Elevated Installation >25' To 30', Add	14.67	
For Elevated Installation >30' To 35', Add	16.77	
For Elevated Installation >35' To 40', Add	20.96	
For Elevated Installation >40', Add	23.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.58	
26 05 33 13-2596 EA 2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	123.76	19.06
For Work In Restricted Working Space, Add	14.29	
For Elevated Installation >10' To 15', Add	4.76	
For Elevated Installation >15' To 20', Add	9.53	
For Elevated Installation >20' To 25', Add	11.91	
For Elevated Installation >25' To 30', Add	16.67	
For Elevated Installation >30' To 35', Add	19.06	
For Elevated Installation >35' To 40', Add	23.82	
For Elevated Installation >40', Add	26.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.29	
<b>26 05 33 13-2597 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2599)</small></b>		
26 05 33 13-2598 EA 1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	29.94	7.24
For Work In Restricted Working Space, Add	5.43	
For Elevated Installation >10' To 15', Add	1.81	
For Elevated Installation >15' To 20', Add	3.62	
For Elevated Installation >20' To 25', Add	4.53	
For Elevated Installation >25' To 30', Add	6.34	
For Elevated Installation >30' To 35', Add	7.24	
For Elevated Installation >35' To 40', Add	9.05	
For Elevated Installation >40', Add	9.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.43	
26 05 33 13-2599 EA 3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	38.89	9.53
For Work In Restricted Working Space, Add	7.15	
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.76	
For Elevated Installation >20' To 25', Add	5.96	
For Elevated Installation >25' To 30', Add	8.34	
For Elevated Installation >30' To 35', Add	9.53	
For Elevated Installation >35' To 40', Add	11.91	
For Elevated Installation >40', Add	13.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.15	
26 05 33 13-2600 EA 1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	47.66	11.81
For Work In Restricted Working Space, Add	8.86	
For Elevated Installation >10' To 15', Add	2.95	
For Elevated Installation >15' To 20', Add	5.91	
For Elevated Installation >20' To 25', Add	7.39	
For Elevated Installation >25' To 30', Add	10.34	
For Elevated Installation >30' To 35', Add	11.82	
For Elevated Installation >35' To 40', Add	14.77	
For Elevated Installation >40', Add	16.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.86	
26 05 33 13-2601 EA 1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	67.65	14.48
For Work In Restricted Working Space, Add	10.86	
For Elevated Installation >10' To 15', Add	3.62	
For Elevated Installation >15' To 20', Add	7.24	
For Elevated Installation >20' To 25', Add	9.05	
For Elevated Installation >25' To 30', Add	12.67	
For Elevated Installation >30' To 35', Add	14.48	
For Elevated Installation >35' To 40', Add	18.11	
For Elevated Installation >40', Add	19.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.86	
26 05 33 13-2602 EA 1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	84.35	16.77
For Work In Restricted Working Space, Add	12.58	
For Elevated Installation >10' To 15', Add	4.19	
For Elevated Installation >15' To 20', Add	8.38	
For Elevated Installation >20' To 25', Add	10.48	
For Elevated Installation >25' To 30', Add	14.67	
For Elevated Installation >30' To 35', Add	16.77	
For Elevated Installation >35' To 40', Add	20.96	
For Elevated Installation >40', Add	23.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.58	
26 05 33 13-2603 EA 2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	123.15	19.06
For Work In Restricted Working Space, Add	14.29	
For Elevated Installation >10' To 15', Add	4.76	
For Elevated Installation >15' To 20', Add	9.53	
For Elevated Installation >20' To 25', Add	11.91	
For Elevated Installation >25' To 30', Add	16.67	
For Elevated Installation >30' To 35', Add	19.06	
For Elevated Installation >35' To 40', Add	23.82	
For Elevated Installation >40', Add	26.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.29	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2604			<b>Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover</b> <sup>(26 05 33 13-2589)</sup>		
26 05 33 13-2605	EA		1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....38.33	9.53	
			<i>For Work In Restricted Working Space, Add</i> 7.15		
			<i>For Elevated Installation &gt;10' To 15', Add</i> 2.38		
			<i>For Elevated Installation &gt;15' To 20', Add</i> 4.76		
			<i>For Elevated Installation &gt;20' To 25', Add</i> 5.96		
			<i>For Elevated Installation &gt;25' To 30', Add</i> 8.34		
			<i>For Elevated Installation &gt;30' To 35', Add</i> 9.53		
			<i>For Elevated Installation &gt;35' To 40', Add</i> 11.91		
			<i>For Elevated Installation &gt;40', Add</i> 13.10		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 7.15		
26 05 33 13-2606	EA		3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....50.44	11.81	
			<i>For Work In Restricted Working Space, Add</i> 8.86		
			<i>For Elevated Installation &gt;10' To 15', Add</i> 2.95		
			<i>For Elevated Installation &gt;15' To 20', Add</i> 5.91		
			<i>For Elevated Installation &gt;20' To 25', Add</i> 7.39		
			<i>For Elevated Installation &gt;25' To 30', Add</i> 10.34		
			<i>For Elevated Installation &gt;30' To 35', Add</i> 11.82		
			<i>For Elevated Installation &gt;35' To 40', Add</i> 14.77		
			<i>For Elevated Installation &gt;40', Add</i> 16.25		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 8.86		
26 05 33 13-2607	EA		1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....60.64	14.48	
			<i>For Work In Restricted Working Space, Add</i> 10.86		
			<i>For Elevated Installation &gt;10' To 15', Add</i> 3.62		
			<i>For Elevated Installation &gt;15' To 20', Add</i> 7.24		
			<i>For Elevated Installation &gt;20' To 25', Add</i> 9.05		
			<i>For Elevated Installation &gt;25' To 30', Add</i> 12.67		
			<i>For Elevated Installation &gt;30' To 35', Add</i> 14.48		
			<i>For Elevated Installation &gt;35' To 40', Add</i> 18.11		
			<i>For Elevated Installation &gt;40', Add</i> 19.92		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 10.86		
26 05 33 13-2608	EA		1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....86.01	16.77	
			<i>For Work In Restricted Working Space, Add</i> 13.15		
			<i>For Elevated Installation &gt;10' To 15', Add</i> 4.38		
			<i>For Elevated Installation &gt;15' To 20', Add</i> 8.77		
			<i>For Elevated Installation &gt;20' To 25', Add</i> 10.96		
			<i>For Elevated Installation &gt;25' To 30', Add</i> 15.34		
			<i>For Elevated Installation &gt;30' To 35', Add</i> 17.53		
			<i>For Elevated Installation &gt;35' To 40', Add</i> 21.92		
			<i>For Elevated Installation &gt;40', Add</i> 24.11		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.15		
26 05 33 13-2609	EA		1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....111.92	19.06	
			<i>For Work In Restricted Working Space, Add</i> 15.44		
			<i>For Elevated Installation &gt;10' To 15', Add</i> 5.15		
			<i>For Elevated Installation &gt;15' To 20', Add</i> 10.29		
			<i>For Elevated Installation &gt;20' To 25', Add</i> 12.87		
			<i>For Elevated Installation &gt;25' To 30', Add</i> 18.01		
			<i>For Elevated Installation &gt;30' To 35', Add</i> 20.58		
			<i>For Elevated Installation &gt;35' To 40', Add</i> 25.73		
			<i>For Elevated Installation &gt;40', Add</i> 28.30		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 15.44		
26 05 33 13-2610	EA		2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....154.09	21.34	
			<i>For Work In Restricted Working Space, Add</i> 17.72		
			<i>For Elevated Installation &gt;10' To 15', Add</i> 5.91		
			<i>For Elevated Installation &gt;15' To 20', Add</i> 11.82		
			<i>For Elevated Installation &gt;20' To 25', Add</i> 14.77		
			<i>For Elevated Installation &gt;25' To 30', Add</i> 20.68		
			<i>For Elevated Installation &gt;30' To 35', Add</i> 23.63		
			<i>For Elevated Installation &gt;35' To 40', Add</i> 29.54		
			<i>For Elevated Installation &gt;40', Add</i> 32.49		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 17.72		
26 05 33 13-2611			<b>Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover</b> <sup>(26 05 33 13-2589)</sup>		
26 05 33 13-2612	EA		1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....30.97	7.24	
			<i>For Work In Restricted Working Space, Add</i> 5.43		
			<i>For Elevated Installation &gt;10' To 15', Add</i> 1.81		
			<i>For Elevated Installation &gt;15' To 20', Add</i> 3.62		
			<i>For Elevated Installation &gt;20' To 25', Add</i> 4.53		
			<i>For Elevated Installation &gt;25' To 30', Add</i> 6.34		
			<i>For Elevated Installation &gt;30' To 35', Add</i> 7.24		
			<i>For Elevated Installation &gt;35' To 40', Add</i> 9.05		
			<i>For Elevated Installation &gt;40', Add</i> 9.96		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.43		
26 05 33 13-2613	EA		3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....41.58	9.53	
			<i>For Work In Restricted Working Space, Add</i> 7.15		
			<i>For Elevated Installation &gt;10' To 15', Add</i> 2.38		
			<i>For Elevated Installation &gt;15' To 20', Add</i> 4.76		
			<i>For Elevated Installation &gt;20' To 25', Add</i> 5.96		
			<i>For Elevated Installation &gt;25' To 30', Add</i> 8.34		
			<i>For Elevated Installation &gt;30' To 35', Add</i> 9.53		
			<i>For Elevated Installation &gt;35' To 40', Add</i> 11.91		
			<i>For Elevated Installation &gt;40', Add</i> 13.10		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 7.15		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2614 EA 1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	53.43	11.81
For Work In Restricted Working Space, Add	8.86	
For Elevated Installation >10' To 15', Add	2.95	
For Elevated Installation >15' To 20', Add	5.91	
For Elevated Installation >20' To 25', Add	7.39	
For Elevated Installation >25' To 30', Add	10.34	
For Elevated Installation >30' To 35', Add	11.82	
For Elevated Installation >35' To 40', Add	14.77	
For Elevated Installation >40', Add	16.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.86	
26 05 33 13-2615 EA 1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	69.84	14.48
For Work In Restricted Working Space, Add	10.86	
For Elevated Installation >10' To 15', Add	3.62	
For Elevated Installation >15' To 20', Add	7.24	
For Elevated Installation >20' To 25', Add	9.05	
For Elevated Installation >25' To 30', Add	12.67	
For Elevated Installation >30' To 35', Add	14.48	
For Elevated Installation >35' To 40', Add	18.11	
For Elevated Installation >40', Add	19.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.86	
26 05 33 13-2616 EA 1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	85.61	16.77
For Work In Restricted Working Space, Add	12.58	
For Elevated Installation >10' To 15', Add	4.19	
For Elevated Installation >15' To 20', Add	8.38	
For Elevated Installation >20' To 25', Add	10.48	
For Elevated Installation >25' To 30', Add	14.67	
For Elevated Installation >30' To 35', Add	16.77	
For Elevated Installation >35' To 40', Add	20.96	
For Elevated Installation >40', Add	23.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.58	
26 05 33 13-2617 EA 2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	134.89	19.06
For Work In Restricted Working Space, Add	14.29	
For Elevated Installation >10' To 15', Add	4.76	
For Elevated Installation >15' To 20', Add	9.53	
For Elevated Installation >20' To 25', Add	11.91	
For Elevated Installation >25' To 30', Add	16.67	
For Elevated Installation >30' To 35', Add	19.06	
For Elevated Installation >35' To 40', Add	23.82	
For Elevated Installation >40', Add	26.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.29	
<b>26 05 33 13-2618 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) <small>(26 05 33 13-2476)</small></b>		
26 05 33 13-2619 EA 3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120) .....	145.88	20.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.67	
26 05 33 13-2620 EA 1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250) .....	557.01	38.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.96	
26 05 33 13-2621 EA 3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400).....	1,070.24	78.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.75	
<b>26 05 33 13-2622 Replacement Covers And Gaskets For Conduit Body <small>(26 05 33 13-2476)</small></b>		
<b>26 05 33 13-2623 Replacement Stamped Aluminum Conduit Body Cover <small>(26 05 33 13-2622)</small></b>		
26 05 33 13-2624 EA 1/2" Replacement Stamped Aluminum Conduit Body Cover .....	10.67	3.72
26 05 33 13-2625 EA 3/4" Replacement Stamped Aluminum Conduit Body Cover .....	13.21	4.33
26 05 33 13-2626 EA 1" Replacement Stamped Aluminum Conduit Body Cover .....	16.90	5.58
26 05 33 13-2627 EA 1-1/4" Replacement Stamped Aluminum Conduit Body Cover .....	20.56	6.81
26 05 33 13-2628 EA 1-1/2" Replacement Stamped Aluminum Conduit Body Cover .....	25.49	8.05
26 05 33 13-2629 EA 2" Replacement Stamped Aluminum Conduit Body Cover .....	30.40	9.29
26 05 33 13-2630 EA 2-1/2" Replacement Stamped Aluminum Conduit Body Cover .....	41.51	10.53
26 05 33 13-2631 EA 3" Replacement Stamped Aluminum Conduit Body Cover .....	52.49	14.86
26 05 33 13-2632 EA 3-1/2" Replacement Stamped Aluminum Conduit Body Cover .....	56.90	16.72
26 05 33 13-2633 EA 4" Replacement Stamped Aluminum Conduit Body Cover .....	71.71	21.06
<b>26 05 33 13-2634 Replacement Cast Steel Conduit Body Cover <small>(26 05 33 13-2622)</small></b>		
26 05 33 13-2635 EA 1/2" Replacement Cast Steel Conduit Body Cover .....	12.88	3.72
26 05 33 13-2636 EA 3/4" Replacement Cast Steel Conduit Body Cover .....	15.14	4.33
26 05 33 13-2637 EA 1" Replacement Cast Steel Conduit Body Cover .....	21.65	5.58
26 05 33 13-2638 EA 1-1/4" Replacement Cast Steel Conduit Body Cover .....	26.99	6.81
26 05 33 13-2639 EA 1-1/2" Replacement Cast Steel Conduit Body Cover .....	32.98	8.05
26 05 33 13-2640 EA 2" Replacement Cast Steel Conduit Body Cover .....	38.97	9.29
26 05 33 13-2641 EA 2-1/2" Replacement Cast Steel Conduit Body Cover .....	44.91	10.53
26 05 33 13-2642 EA 3" Replacement Cast Steel Conduit Body Cover .....	60.52	14.86
26 05 33 13-2643 EA 3-1/2" Replacement Cast Steel Conduit Body Cover .....	69.55	16.72
26 05 33 13-2644 EA 4" Replacement Cast Steel Conduit Body Cover .....	87.72	21.06
<b>26 05 33 13-2645 Replacement Velbuna Composition Conduit Body Gasket <small>(26 05 33 13-2622)</small></b>		
26 05 33 13-2646 EA 1/2" Replacement Velbuna Composition Conduit Body Gasket .....	9.68	3.72
26 05 33 13-2647 EA 3/4" Replacement Velbuna Composition Conduit Body Gasket .....	11.00	4.33

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-2648	EA	1" Replacement Velbuna Composition Conduit Body Gasket.....	14.44	5.58
26 05 33 13-2649	EA	1-1/4" Replacement Velbuna Composition Conduit Body Gasket.....	19.07	6.81
26 05 33 13-2650	EA	1-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	21.55	8.05
26 05 33 13-2651	EA	2" Replacement Velbuna Composition Conduit Body Gasket.....	25.84	9.29
26 05 33 13-2652	EA	2-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	35.26	10.53
26 05 33 13-2653	EA	3" Replacement Velbuna Composition Conduit Body Gasket.....	44.69	14.86
26 05 33 13-2654	EA	3-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	49.52	16.72
26 05 33 13-2655	EA	4" Replacement Velbuna Composition Conduit Body Gasket.....	58.09	21.06

**26 05 33 13-2656 Replacement Neoprene Conduit Body Gasket (26 05 33 13-2622)**

26 05 33 13-2657	EA	1/2" Replacement Neoprene Conduit Body Gasket.....	11.22	3.72
26 05 33 13-2658	EA	3/4" Replacement Neoprene Conduit Body Gasket.....	12.47	4.33
26 05 33 13-2659	EA	1" Replacement Neoprene Conduit Body Gasket.....	16.36	5.58
26 05 33 13-2660	EA	1-1/4" Replacement Neoprene Conduit Body Gasket.....	20.04	6.81
26 05 33 13-2661	EA	1-1/2" Replacement Neoprene Conduit Body Gasket.....	22.52	8.05
26 05 33 13-2662	EA	2" Replacement Neoprene Conduit Body Gasket.....	25.94	9.29
26 05 33 13-2663	EA	2-1/2" Replacement Neoprene Conduit Body Gasket.....	35.51	10.53
26 05 33 13-2664	EA	3" Replacement Neoprene Conduit Body Gasket.....	44.94	14.86
26 05 33 13-2665	EA	3-1/2" Replacement Neoprene Conduit Body Gasket.....	51.16	16.72
26 05 33 13-2666	EA	4" Replacement Neoprene Conduit Body Gasket.....	59.73	21.06

**26 05 33 16 Boxes for Electrical Systems (26 05 33)**

See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.

**26 05 33 16-0001 Steel Junction, Device, And Fixture Boxes, Rings And Covers (26 05 33 16)**

Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0138 for steel box/switch assemblies.

**26 05 33 16-0002 4" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)**

26 05 33 16-0003	EA	1-1/2" Depth, 4" Square Steel Box.....	36.22	15.65
		For Stud Bracket, Add	1.21	
26 05 33 16-0004	EA	2-1/8" Depth, 4" Square Steel Box.....	38.46	15.65
		For Stud Bracket, Add	2.17	
26 05 33 16-0005	EA	3-1/2" Depth, 4" Square Steel Box.....	46.15	15.65
		For Stud Bracket, Add	2.37	
26 05 33 16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring.....	31.82	10.43
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring.....	24.04	10.43
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	12.78	5.21
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring.....	13.14	5.21
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	13.40	5.21
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring.....	14.23	5.21
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	14.47	5.21
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	17.13	5.21
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	13.79	5.21
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring.....	14.05	5.21
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	14.36	5.21
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring.....	17.09	5.21
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	17.65	5.21
26 05 33 16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	21.11	5.21
26 05 33 16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings.....	15.12	5.21
26 05 33 16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings.....	17.32	5.21
26 05 33 16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover.....	13.75	5.21
26 05 33 16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover.....	13.95	5.21
26 05 33 16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	13.70	5.21
26 05 33 16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover.....	14.29	5.21
26 05 33 16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	14.78	5.21
26 05 33 16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	20.88	5.21
26 05 33 16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	14.69	5.21
26 05 33 16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover.....	20.88	5.21
26 05 33 16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	14.69	5.21
26 05 33 16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	16.12	5.21
26 05 33 16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	20.88	5.21
26 05 33 16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	20.88	5.21
26 05 33 16-0034	EA	Flat, 4" Square Steel Exposed Work Cover.....	12.01	5.21

**26 05 33 16-0035 4-11/16" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)**

26 05 33 16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box.....	44.51	15.65
26 05 33 16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box.....	39.44	15.65
		For Stud Bracket, Add	1.14	
26 05 33 16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box.....	64.90	15.65
26 05 33 16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring.....	33.94	10.43
26 05 33 16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring.....	35.19	10.43
26 05 33 16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	17.85	5.21
26 05 33 16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	17.91	5.21
26 05 33 16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	20.07	5.21
26 05 33 16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	19.20	5.21
26 05 33 16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	19.01	5.21
26 05 33 16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	28.00	5.21
26 05 33 16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	19.57	5.21





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0048 EA 5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	20.04	5.21
26 05 33 16-0049 EA 3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	20.07	5.21
26 05 33 16-0050 EA 1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	23.25	5.21
26 05 33 16-0051 EA 1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	23.91	5.21
26 05 33 16-0052 EA 1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	31.61	5.21
26 05 33 16-0053 EA 1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	19.15	5.21
26 05 33 16-0054 EA 5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	19.38	5.21
26 05 33 16-0055 EA One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	25.34	5.21
26 05 33 16-0056 EA Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	27.01	5.21
26 05 33 16-0057 EA One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	24.85	5.21
26 05 33 16-0058 EA Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover.....	23.03	5.21
26 05 33 16-0059 EA One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	29.12	5.21
26 05 33 16-0060 EA One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	27.00	5.21
26 05 33 16-0061 EA One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	27.00	5.21
26 05 33 16-0062 EA One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	27.00	5.21
26 05 33 16-0063 EA Flat, 4-11/16" Square Steel Exposed Work Cover.....	13.37	5.21
<b>26 05 33 16-0064 Steel Square Box Brackets</b> <small>(26 05 33 16-0001)</small>		
26 05 33 16-0064 EA 16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes.....	17.95	7.83
26 05 33 16-0066 EA Single Box Bracket, One 4" Or 4-11/16" Square Box.....	13.96	5.22
26 05 33 16-0067 EA 16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes.....	23.35	7.83
26 05 33 16-0068 EA 24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes.....	26.13	7.83
<b>26 05 33 16-0069 4" Octagon Steel Boxes And Covers</b> <small>(26 05 33 16-0001)</small>		
26 05 33 16-0070 EA 1-1/2" Depth, 4" Steel Octagon Box.....	30.12	13.04
<i>For Stud Bracket, Add</i>	2.94	
26 05 33 16-0071 EA 2-1/8" Depth, 4" Steel Octagon Box.....	32.08	13.04
26 05 33 16-0072 EA Flat, 4" Octagon Steel Exposed Work Cover.....	11.88	5.21
<b>26 05 33 16-0073 4" Steel Octagonal Concrete Rings And Steel Covers</b> <small>(26 05 33 16-0001)</small>		
<small>Note: Placed in concrete slabs or walls.</small>		
26 05 33 16-0074 EA 2" Depth, 4" Steel Octagonal Concrete Ring.....	50.59	
26 05 33 16-0075 EA 2-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	54.13	
26 05 33 16-0076 EA 3" Depth, 4" Steel Octagonal Concrete Ring.....	56.59	
26 05 33 16-0077 EA 3-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	58.94	
26 05 33 16-0078 EA 4" Depth, 4" Steel Octagonal Concrete Ring.....	66.42	
26 05 33 16-0079 EA 5" Depth, 4" Steel Octagonal Concrete Ring.....	74.24	
26 05 33 16-0080 EA 6" Depth, 4" Steel Octagonal Concrete Ring.....	79.92	
26 05 33 16-0081 EA Flat, 4" Steel Octagonal Concrete Cover.....	14.58	5.21
<b>26 05 33 16-0082 4-1/2" Steel Gang Boxes</b> <small>(26 05 33 16-0001)</small>		
26 05 33 16-0083 EA 2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	57.87	13.04
26 05 33 16-0084 EA 3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	64.00	14.09
26 05 33 16-0085 EA 4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	79.26	15.65
26 05 33 16-0086 EA 5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	109.22	17.21
26 05 33 16-0087 EA 6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	174.13	18.78
26 05 33 16-0088 EA 2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	88.14	13.04
26 05 33 16-0089 EA 3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	96.25	14.09
26 05 33 16-0090 EA 4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	133.72	15.65
26 05 33 16-0091 EA 5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	176.94	17.21
26 05 33 16-0092 EA 6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	308.02	18.78
26 05 33 16-0093 EA 2 Device, Gang Box Mud Ring.....	26.17	5.21
26 05 33 16-0094 EA 3 Device, Gang Box Mud Ring.....	26.68	5.21
26 05 33 16-0095 EA 4 Device, Gang Box Mud Ring.....	32.51	5.21
26 05 33 16-0096 EA 5 Device, Gang Box Mud Ring.....	42.54	5.21
26 05 33 16-0097 EA 6 Device, Gang Box Mud Ring.....	64.53	5.21
26 05 33 16-0098 EA 2 Device, Gang Box Flat Cover.....	21.16	5.21
26 05 33 16-0099 EA 3 Device, Gang Box Flat Cover.....	26.62	5.21
26 05 33 16-0100 EA 4 Device, Gang Box Flat Cover.....	33.87	5.21
26 05 33 16-0101 EA 5 Device, Gang Box Flat Cover.....	43.10	5.21
26 05 33 16-0102 EA 6 Device, Gang Box Flat Cover.....	66.09	5.21
<b>26 05 33 16-0103 Steel Switch Boxes</b> <small>(26 05 33 16-0001)</small>		
26 05 33 16-0104 EA 2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	33.89	13.04
26 05 33 16-0105 EA 2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	34.74	13.04
26 05 33 16-0106 EA 3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	39.11	13.04
26 05 33 16-0107 EA 2-1/2" Depth, 2 Device, Stud Bracket, Steel Box.....	48.93	13.04
26 05 33 16-0108 EA 2-1/2" Depth, 3 Device, Stud Bracket, Steel Box.....	49.78	13.04
26 05 33 16-0109 EA 2-1/2" Depth, 4 Device, Stud Bracket, Steel Box.....	63.08	13.04
<b>26 05 33 16-0110 4" x 2" Steel Handy Boxes, Extension Rings And Covers</b> <small>(26 05 33 16-0001)</small>		
26 05 33 16-0111 EA 1-1/2" Deep, 4" x 2" Steel Handy Box.....	29.90	13.04
<i>For Stud Bracket, Add</i>	4.73	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0112 EA 1-7/8" Deep, 4" x 2" Steel Handy Box.....	30.81	13.04
For Stud Bracket, Add	2.04	
26 05 33 16-0113 EA 2-1/8" Deep, 4" x 2" Steel Handy Box.....	32.82	13.04
For Stud Bracket, Add	2.77	
26 05 33 16-0114 EA 1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring.....	21.14	7.82
26 05 33 16-0115 EA 1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring.....	20.24	7.82
26 05 33 16-0116 EA GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover.....	7.19	2.61
26 05 33 16-0117 EA 1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	7.36	2.61
26 05 33 16-0118 EA Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	6.51	2.61
26 05 33 16-0119 EA Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover.....	6.57	2.61
26 05 33 16-0120 EA 1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	8.30	2.61
26 05 33 16-0121 EA Flat, 2" x 4" Steel Handy Box Exposed Work Cover.....	6.57	2.61
<b>26 05 33 16-0122 3"-1/2" Depth, 3-3/4" Steel Masonry Boxes (26 05 33 16-0001)</b>		
26 05 33 16-0123 EA 1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box.....	47.16	18.26
26 05 33 16-0124 EA 2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box.....	54.66	19.30
26 05 33 16-0125 EA 3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box.....	64.77	20.86
26 05 33 16-0126 EA 4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box.....	75.16	22.95
<b>26 05 33 16-0127 Cast Boxes (26 05 33 16)</b>		
Note: For flush or surface mount.		
<b>26 05 33 16-0128 Cast Iron Alloy Boxes (26 05 33 16-0127)</b>		
See CSI section 26 27 26 00-0277 for box covers.		
<b>26 05 33 16-0129 Shallow, Single Gang Cast Iron Alloy Boxes (26 05 33 16-0128)</b>		
Note: Up to 2" deep boxes.		
26 05 33 16-0130 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	91.21	31.29
Note: One hub.		
26 05 33 16-0131 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	97.90	36.51
Note: One hub.		
26 05 33 16-0132 EA 1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	115.11	44.33
Note: One hub.		
26 05 33 16-0133 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box.....	113.65	41.73
Note: Two hubs.		
26 05 33 16-0134 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box.....	145.77	49.55
Note: Two hubs.		
26 05 33 16-0135 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box.....	113.16	41.73
Note: Two hubs.		
26 05 33 16-0136 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box.....	136.16	49.55
Note: Two hubs.		
26 05 33 16-0137 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box.....	116.25	41.73
Note: Two hubs.		
26 05 33 16-0138 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box.....	136.21	49.55
Note: Two hubs.		
26 05 33 16-0139 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box.....	113.16	41.73
Note: Two hubs.		
26 05 33 16-0140 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box.....	132.39	49.55
Note: Two hubs.		
26 05 33 16-0141 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box.....	134.54	52.15
Note: Three hubs.		
26 05 33 16-0142 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box.....	159.11	62.59
Note: Three hubs.		
26 05 33 16-0143 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box.....	140.46	52.15
Note: Three hubs.		
26 05 33 16-0144 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box.....	181.71	62.59
Note: Three hubs.		
26 05 33 16-0145 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box.....	144.33	52.15
Note: Three hubs.		
26 05 33 16-0146 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box.....	172.41	62.59
Note: Three hubs.		
26 05 33 16-0147 EA 1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box.....	134.03	52.15
Note: Three hubs.		
26 05 33 16-0148 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box.....	175.03	62.59
Note: Three hubs.		
26 05 33 16-0149 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box.....	171.35	62.59
Note: Four hubs.		
26 05 33 16-0150 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box.....	206.70	75.62
Note: Four hubs.		
<b>26 05 33 16-0151 Deep, Single Gang Cast Iron Alloy Boxes (26 05 33 16-0129)</b>		
Note: >2" deep boxes.		
26 05 33 16-0152 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box.....	95.57	31.29
Note: One hub.		
26 05 33 16-0153 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box.....	110.01	36.51
Note: One hub.		
26 05 33 16-0154 EA 1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box.....	129.08	44.33
Note: One hub.		
26 05 33 16-0155 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box.....	121.63	41.73
Note: Two hubs.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0156 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	140.27	49.55
26 05 33 16-0157 EA 1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	168.55	59.97
26 05 33 16-0158 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	151.15	49.55
26 05 33 16-0159 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box ..... Note: Three hubs.	194.59	62.59
<b>26 05 33 16-0160</b> <b>Shallow, Two Gang Cast Iron Alloy Boxes</b> <small>(26 05 33 16-0128)</small> Note: Up to 2" deep boxes.		
26 05 33 16-0161 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box ..... Note: One hub.	110.15	33.90
26 05 33 16-0162 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box ..... Note: One hub.	121.86	39.12
26 05 33 16-0163 EA 1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box ..... Note: One hub.	141.40	46.94
26 05 33 16-0164 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box ..... Note: Two hubs.	133.11	44.33
26 05 33 16-0165 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box ..... Note: Two hubs.	150.99	52.15
<b>26 05 33 16-0166</b> <b>Deep, Two Gang Cast Iron Alloy Boxes</b> <small>(26 05 33 16-0128)</small> Note: >2" deep boxes.		
26 05 33 16-0167 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box ..... Note: One hub.	123.25	33.90
26 05 33 16-0168 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box ..... Note: One hub.	134.19	39.12
26 05 33 16-0169 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box ..... Note: Two hubs.	152.83	44.33
26 05 33 16-0170 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box ..... Note: Two hubs.	171.83	52.15
<b>26 05 33 16-0171</b> <b>Cast Aluminum Boxes</b> <small>(26 05 33 16-0127)</small> See CSI section 26 27 26 00-0277 for box covers.		
<b>26 05 33 16-0172</b> <b>Shallow, Single Gang Cast Aluminum Boxes</b> <small>(26 05 33 16-0171)</small> Note: Up to 2" deep boxes.		
26 05 33 16-0173 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box ..... Note: One hub.	80.77	26.08
26 05 33 16-0174 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box ..... Note: One hub.	92.35	31.29
26 05 33 16-0175 EA 1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box ..... Note: One hub.	102.16	39.12
26 05 33 16-0176 EA 1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box ..... Note: One hub.	75.69	26.08
26 05 33 16-0177 EA 3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box ..... Note: One hub.	95.94	31.29
26 05 33 16-0178 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	102.13	36.51
26 05 33 16-0179 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	122.65	44.33
26 05 33 16-0180 EA 1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	154.00	54.76
26 05 33 16-0181 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	110.97	36.51
26 05 33 16-0182 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	118.35	44.33
26 05 33 16-0183 EA 1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	105.95	36.51
26 05 33 16-0184 EA 3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	121.35	44.33
26 05 33 16-0185 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	102.70	36.51
26 05 33 16-0186 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	121.35	44.33
26 05 33 16-0187 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	95.20	36.51
26 05 33 16-0188 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	129.33	44.33
26 05 33 16-0189 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	121.23	46.94
26 05 33 16-0190 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	147.26	57.37
26 05 33 16-0191 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	129.00	46.94
26 05 33 16-0192 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	174.19	57.37
26 05 33 16-0193 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	128.35	46.94
26 05 33 16-0194 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	157.51	57.37

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0195 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	159.82	57.37
26 05 33 16-0196 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	156.49	57.37
26 05 33 16-0197 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	190.98	70.41
<b>26 05 33 16-0198 Deep, Single Gang Cast Aluminum Boxes</b> (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0199 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	89.79	26.08
26 05 33 16-0200 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	107.57	31.29
26 05 33 16-0201 EA 1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	123.08	39.12
26 05 33 16-0202 EA 3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box ..... Note: One hub.	115.80	31.29
26 05 33 16-0203 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	113.79	36.51
26 05 33 16-0204 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	136.97	44.33
26 05 33 16-0205 EA 1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	152.66	54.76
26 05 33 16-0206 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	138.88	44.33
26 05 33 16-0207 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box..... Note: Three hubs.	169.53	57.37
<b>26 05 33 16-0208 Shallow, Two Gang Cast Aluminum Boxes</b> (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0209 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box ..... Note: One hub.	107.63	28.68
26 05 33 16-0210 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box ..... Note: One hub.	123.15	33.90
26 05 33 16-0211 EA 1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box ..... Note: One hub.	131.68	41.73
26 05 33 16-0212 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	134.19	39.12
26 05 33 16-0213 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	136.13	46.94
26 05 33 16-0214 EA 1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	168.21	57.37
<b>26 05 33 16-0215 Deep, Two Gang Cast Aluminum Boxes</b> (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0216 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box ..... Note: One hub.	107.53	28.68
26 05 33 16-0217 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box ..... Note: One hub.	124.38	33.90
26 05 33 16-0218 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box ..... Note: Two hubs.	137.00	39.12
26 05 33 16-0219 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box ..... Note: Two hubs.	154.98	46.94
26 05 33 16-0220 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box ..... Note: Two hubs.	137.00	39.12
26 05 33 16-0221 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box ..... Note: Two hubs.	154.98	46.94
<b>26 05 33 16-0222 Shallow, Three Gang Cast Aluminum Boxes</b> (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0223 EA 1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box..... Note: Two hubs.	143.72	41.73
26 05 33 16-0224 EA 3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box..... Note: Two hubs.	160.97	49.55
<b>26 05 33 16-0225 Deep, Three Gang Cast Aluminum Boxes</b> (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0226 EA 3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box ..... Note: One hub.	165.02	36.51
26 05 33 16-0227 EA 1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box ..... Note: One hub.	183.56	44.33
<b>26 05 33 16-0228 Cast Aluminum Explosion Proof Outlet Bodies</b> (26 05 33 16-0127) Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229 EA 1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	170.33	41.73
26 05 33 16-0230 EA 3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	211.67	46.94
26 05 33 16-0231 EA 1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	192.56	52.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0232 EA 1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body .....	188.69	46.94
26 05 33 16-0233 EA 3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA .....	230.64	52.15
<b>26 05 33 16-0234 Non Metallic (PVC) Boxes</b> <small>(26 05 33 16)</small> See CSI section 26 27 26 00-0277 for box covers.		
<b>26 05 33 16-0235 Shallow, Single Gang Non Metallic (PVC) Boxes</b> <small>(26 05 33 16-0234)</small>		
26 05 33 16-0236 EA 1/2" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	56.16	21.91
26 05 33 16-0237 EA 3/4" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	63.85	25.56
26 05 33 16-0238 EA 1" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	71.56	31.03
26 05 33 16-0239 EA 1/2" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	71.15	29.21
26 05 33 16-0240 EA 3/4" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	83.37	34.68
26 05 33 16-0241 EA 1" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	101.16	41.99
26 05 33 16-0242 EA 1/2" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	71.47	29.21
26 05 33 16-0243 EA 3/4" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	82.50	34.68
26 05 33 16-0244 EA 1" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	98.18	41.99
26 05 33 16-0245 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Three hubs.	90.49	36.51
26 05 33 16-0246 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Three hubs.	101.65	43.81
26 05 33 16-0247 EA 1" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Three hubs.	118.86	52.94
<b>26 05 33 16-0248 Deep, Single Gang Non Metallic (PVC) Boxes</b> <small>(26 05 33 16-0234)</small>		
26 05 33 16-0249 EA No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box ..... Note: No hubs.	57.12	21.91
26 05 33 16-0250 EA 1/2" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	55.43	21.91
26 05 33 16-0251 EA 3/4" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	66.13	25.56
26 05 33 16-0252 EA 1" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	72.50	31.03
26 05 33 16-0253 EA 1/2" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	73.04	29.21
26 05 33 16-0254 EA 3/4" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	80.89	34.68
26 05 33 16-0255 EA 1" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	96.34	41.99
<b>26 05 33 16-0256 Shallow, Two Gang Non Metallic (PVC) Boxes</b> <small>(26 05 33 16-0234)</small>		
26 05 33 16-0257 EA 1/2" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: One hub.	60.31	23.73
26 05 33 16-0258 EA 3/4" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: One hub.	68.96	27.38
26 05 33 16-0259 EA 1" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: One hub.	75.38	32.85
26 05 33 16-0260 EA 1/2" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Two hubs.	72.71	31.03
26 05 33 16-0261 EA 3/4" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Two hubs.	91.13	36.51
26 05 33 16-0262 EA 1" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Two hubs.	107.43	43.81
26 05 33 16-0263 EA 1/2" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Two hubs.	74.95	31.03
26 05 33 16-0264 EA 3/4" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Two hubs.	97.32	36.51
26 05 33 16-0265 EA 1" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Two hubs.	102.46	43.81
26 05 33 16-0266 EA 1/2" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Three hubs.	91.36	38.34
26 05 33 16-0267 EA 3/4" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Three hubs.	123.37	45.64
26 05 33 16-0268 EA 1" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Three hubs.	122.37	54.76
<b>26 05 33 16-0269 Poke Thru Units</b> <small>(26 05 33 16)</small>		
<b>26 05 33 16-0270 Surface Poke Thru Units</b> <small>(26 05 33 16-0269)</small> Note: Excludes concrete drilling.		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0271 EA Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit.....465.37 Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	465.37	39.12
26 05 33 16-0272 EA Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements .....297.24 Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.	297.24	
26 05 33 16-0273 EA 20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit.....41.14 Note: Wiremold RC37REC.	41.14	10.43
26 05 33 16-0274 EA Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit.....49.85 Note: Wiremold RC3APTCBK.	49.85	5.21
26 05 33 16-0275 EA Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit.....526.38 Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	526.38	41.73
26 05 33 16-0276 EA Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements .....278.28 Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	278.28	
26 05 33 16-0277 EA Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit .....70.56 Note: Wiremold RC4REC2.	70.56	15.65
26 05 33 16-0278 EA Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit.....49.85 Note: Wiremold RC4APTCBK.	49.85	5.21
26 05 33 16-0279 EA Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit.....145.35 Note: Wiremold ABPLUG4.	145.35	10.43
26 05 33 16-0280 EA Four Jack RC9AMD Communications Poke Thru Unit.....416.47 Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	416.47	36.51
26 05 33 16-0281 EA Abandonment Plate For RC9 Series Communications Poke Thru Unit .....34.61 Note: Wiremold RC9APTCBK.	34.61	5.21
26 05 33 16-0282 EA Eight Jack AMD8 Communications Poke Thru Unit .....414.55 Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	414.55	36.51
26 05 33 16-0283 EA Communication Conduit Adapter For Poke Thru Units .....48.18 Note: Includes two conduit connections for communication systems. Wiremold COM75.	48.18	5.21
<b>26 05 33 16-0284 Recessed Poke Thru Units (26 05 33 16-0269)</b> Note: Excludes concrete drilling.		
<b>26 05 33 16-0285 Evolution 6AT Poke Thru Units (26 05 33 16-0284)</b> Note: Excludes concrete drilling.		
26 05 33 16-0286 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) .....803.26 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	803.26	41.73
26 05 33 16-0287 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP).....803.36 Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	803.36	41.73
26 05 33 16-0288 EA Recessed Assembly With Surface Style Cover (Wiremold 6ATC).....765.29 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	765.29	41.73
26 05 33 16-0289 EA Recessed Assembly With Flush Style Cover (Wiremold 6AT).....765.29 Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	765.29	41.73
26 05 33 16-0290 EA Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA).....803.26 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	803.26	41.73
26 05 33 16-0291 EA Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) .....803.26 Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	803.26	41.73
26 05 33 16-0292 EA Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) .....733.15 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	733.15	41.73
26 05 33 16-0293 EA Recessed Assembly With Disposable Plate (Wiremold 6STC).....457.64 Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	457.64	39.12
26 05 33 16-0294 EA Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) .....491.22 Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	491.22	39.12
26 05 33 16-0295 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) .....494.55 Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	494.55	39.12



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0296	EA	6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) ..... Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	138.67	20.86
26 05 33 16-0297	EA	Surface Style Cover Assembly (Wiremold 6CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	324.74	10.43
26 05 33 16-0298	EA	Flush Style Cover Assembly (Wiremold 6CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	324.74	10.43
26 05 33 16-0299	EA	Furniture Feed Cover Assembly (Wiremold 6CFFTC)..... Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	269.68	10.43
26 05 33 16-0300	EA	Tile Shim (Wiremold 6TS)..... Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	38.84	2.61
26 05 33 16-0301	EA	Device Mounting Plate (Wiremold 6AAP) ..... Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	18.42	5.21
26 05 33 16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A)..... Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	21.40	5.21
26 05 33 16-0303	EA	Device Mounting Plate (Wiremold 6B)..... Note: Device plate used to blank off center compartment, when no devices are used.	18.33	5.21
26 05 33 16-0304	EA	Device Mounting Plate (Wiremold 6DEC)..... Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	18.39	5.21
26 05 33 16-0305	EA	Device Mounting Plate (Wiremold 6DP) ..... Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	18.26	5.21
26 05 33 16-0306	EA	Device Mounting Plate (Wiremold 6MAAP) ..... Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	21.72	5.21
26 05 33 16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A)..... Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	21.47	5.21
26 05 33 16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS)..... Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	22.02	5.21
26 05 33 16-0309	EA	Device Mounting Plate (Wiremold 6S1)..... Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	17.97	5.21
26 05 33 16-0310	EA	Device Mounting Plate (Wiremold 6S2)..... Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	17.99	5.21
26 05 33 16-0311	EA	Device Mounting Plate (Wiremold 6SER)..... Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	17.73	5.21
26 05 33 16-0312	EA	Device Mounting Plate (Wiremold 6TRAC)..... Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	17.73	5.21
26 05 33 16-0313	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC)..... Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	43.46	7.82
26 05 33 16-0314	EA	Device Mounting Plate (Wiremold 68B)..... Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	16.16	5.21
26 05 33 16-0315	EA	Device Mounting Plate (Wiremold 68MAAP) ..... Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	16.59	5.21
26 05 33 16-0316	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC-25)..... Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	139.09	9.38
26 05 33 16-0317	EA	Device Mounting Plate (Wiremold 682A) ..... Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	21.20	5.21
26 05 33 16-0318	EA	Bottom Housing Assembly (Wiremold 5PTHA)..... Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	22.13	5.21
26 05 33 16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH)..... Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	22.79	5.21
26 05 33 16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA)..... Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	34.62	10.43
26 05 33 16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA)..... Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	39.49	13.04
26 05 33 16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA)..... Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	43.76	13.04

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0323 EA Bottom Housing Assembly (Wiremold 1125CHA).....	33.17	10.43
Note: One-gang 1 1/4" trade size conduit housing assembly.		
26 05 33 16-0324 EA Bottom Housing Assembly (Wiremold 1PTHA).....	21.97	5.21
Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.		
26 05 33 16-0325 EA Bottom Housing Assembly (Wiremold 1BLH).....	21.97	5.21
Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.		
26 05 33 16-0326 EA Bottom Housing Assembly (Wiremold 15FFHA).....	23.20	5.21
Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.		
26 05 33 16-0327 EA Bottom Housing Assembly (Wiremold 1BHA).....	24.03	5.21
Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.		
<b>26 05 33 16-0328 Evolution 8AT Poke Thru Units</b> (26 05 33 16-0284)		
Note: Excludes concrete drilling.		
26 05 33 16-0329 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP).....	1,055.83	41.73
Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0330 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP).....	1,004.59	41.73
Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0331 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8AT2P).....	1,067.43	41.73
Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0332 EA Recessed Assembly With Surface Style Cover (Wiremold 8ATC).....	994.95	41.73
Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0333 EA Recessed Assembly With Flush Style Cover (Wiremold 8AT).....	985.81	41.73
Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0334 EA Recessed Assembly With Disposable Plate (Wiremold 8STC).....	593.22	39.12
Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.		
26 05 33 16-0335 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP).....	665.40	39.12
Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.		
26 05 33 16-0336 EA 8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS).....	166.84	20.86
Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.		
26 05 33 16-0337 EA Surface Style Cover Assembly (Wiremold 8CTC).....	351.33	10.43
Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.		
26 05 33 16-0338 EA Flush Style Cover Assembly (Wiremold 8CT).....	351.33	10.43
Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.		
26 05 33 16-0339 EA Tile Shim (Wiremold 8TS).....	60.75	2.61
Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.		
26 05 33 16-0340 EA Device Mounting Plate (Wiremold 8B).....	19.06	5.21
Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.		
26 05 33 16-0341 EA Device Mounting Plate (Wiremold 8DP).....	19.17	5.21
Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0342 EA Device Mounting Plate (Wiremold 8DEC).....	19.30	5.21
Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCI's, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0343 EA Device Mounting Plate (Wiremold 8ACT6A).....	22.50	5.21
Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0344 EA Mosaic Mounting Plate (Wiremold 8MOS).....	27.43	5.21
Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.		
26 05 33 16-0345 EA Crestron Double Gang Plate (Wiremold 8CREST).....	27.39	5.21
Note: Device plate accepts Crestron double-gang decorator style devices.		
26 05 33 16-0346 EA Device Mounting Plate (Wiremold 8S1).....	18.46	5.21
Note: Receptacle opening 1 3/8". For 8" poke-thru units only.		
26 05 33 16-0347 EA Device Mounting Plate (Wiremold 8S2).....	18.70	5.21
Note: Receptacle opening 1 9/16". For 8" poke-thru units only.		
26 05 33 16-0348 EA Device Mounting Plate (Wiremold 8TRAC).....	18.46	5.21
Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		





	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0349	EA	Device Mounting Plate (Wiremold 8SER) ..... Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	18.46	5.21
26 05 33 16-0350	EA	Device Mounting Plate (Wiremold 8MAAP) ..... Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	26.99	5.21
26 05 33 16-0351	EA	Device Mounting Plate (Wiremold 8AAP) ..... Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	22.36	5.21
26 05 33 16-0352	EA	8" Divider (Wiremold 8DIV) ..... Note: Divider allows for separation of services when required.	25.90	5.21
26 05 33 16-0353	EA	Bottom Housing Assembly (Wiremold 22CHA) ..... Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	34.62	10.43

**26 05 33 23     Surface Raceways for Electrical Systems (26 05 33)**

**26 05 33 23-0001     Raceways (26 05 33 23)**

**26 05 33 23-0002     Wireway With Screw Cover (26 05 33 23-0001)**  
Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface.

**26 05 33 23-0003     2-1/2" x 2-1/2", Wireway With Screw Cover (26 05 33 23-0002)**

26 05 33 23-0004	LF	2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	24.46 0.75 0.48	4.76
26 05 33 23-0005	EA	2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	19.70 0.27	7.15
26 05 33 23-0006	EA	2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	23.23 0.27	8.91
26 05 33 23-0007	EA	2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	49.23 0.79	16.68
26 05 33 23-0008	EA	2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	80.85 2.38	16.68
26 05 33 23-0009	EA	2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	119.92 3.63	23.73
26 05 33 23-0010	EA	2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	134.67 4.11	26.21

**26 05 33 23-0011     4" x 4", Wireway With Screw Cover (26 05 33 23-0002)**

26 05 33 23-0012	LF	4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	29.94 0.90 0.60	6.01
26 05 33 23-0013	LF	4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	54.47 2.13 0.60	6.01
26 05 33 23-0014	EA	4" x 4", End Plate For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	16.13 0.28	5.25
26 05 33 23-0015	EA	4" x 4", Coupling For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	25.66 0.28	10.01
26 05 33 23-0016	EA	4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	58.03 0.86	20.39
26 05 33 23-0017	EA	4" x 4", Elbow For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	92.80 2.60	20.39
26 05 33 23-0018	EA	4" x 4", Tee For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	131.78 3.94	26.49
26 05 33 23-0019	EA	4" x 4", Cross For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	152.18 4.51	30.97

**26 05 33 23-0020     6" x 6", Wireway With Screw Cover (26 05 33 23-0002)**

26 05 33 23-0021	LF	6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	45.01 1.53 0.72	7.15
26 05 33 23-0022	LF	6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	88.03 3.69 0.72	7.15
26 05 33 23-0023	EA	6" x 6", End Plate For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	20.52 0.45	5.72
26 05 33 23-0024	EA	6" x 6", Coupling For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	32.91 0.45	11.92
26 05 33 23-0025	EA	6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	82.69 1.77	23.73
26 05 33 23-0026	EA	6" x 6", Elbow For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	119.41 3.60	23.73
26 05 33 23-0027	EA	6" x 6", Tee For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	188.66 6.47	29.64
26 05 33 23-0028	EA	6" x 6", Cross For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	204.19 6.78	34.30

**26 05 33 23-0029     8" x 8", Wireway With Screw Cover (26 05 33 23-0002)**

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0030	LF	8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover.....	73.13	7.81	
		<i>For Combination Hinged Screw Cover, Add</i>	2.88		
		<i>For Concrete Or Masonry Surface, Add</i>	0.78		
26 05 33 23-0031	LF	8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover .....	134.39	7.81	
		<i>For Combination Hinged Screw Cover, Add</i>	5.94		
		<i>For Concrete Or Masonry Surface, Add</i>	0.78		
26 05 33 23-0032	EA	8" x 8", End Plate For Surface Mounted Wireway With Screw Cover .....	22.62	6.20	
		<i>For Combination Hinged Screw Cover, Add</i>	0.51		
26 05 33 23-0033	EA	8" x 8", Coupling For Surface Mounted Wireway With Screw Cover.....	35.96	12.87	
		<i>For Combination Hinged Screw Cover, Add</i>	0.51		
26 05 33 23-0034	EA	8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover .....	92.32	26.11	
		<i>For Combination Hinged Screw Cover, Add</i>	2.00		
26 05 33 23-0035	EA	8" x 8", Elbow For Surface Mounted Wireway With Screw Cover.....	151.95	26.11	
		<i>For Combination Hinged Screw Cover, Add</i>	4.99		
26 05 33 23-0036	EA	8" x 8", Tee For Surface Mounted Wireway With Screw Cover.....	227.35	32.21	
		<i>For Combination Hinged Screw Cover, Add</i>	8.15		
26 05 33 23-0037	EA	8" x 8", Cross For Surface Mounted Wireway With Screw Cover .....	318.17	39.07	
		<i>For Combination Hinged Screw Cover, Add</i>	12.00		
<b>26 05 33 23-0038</b>		<b>10" x 10", Wireway With Screw Cover</b> <small>(26 05 33 23-0002)</small>			
26 05 33 23-0039	LF	10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover.....	106.47	9.06	
		<i>For Combination Hinged Screw Cover, Add</i>	4.42		
		<i>For Concrete Or Masonry Surface, Add</i>	0.91		
26 05 33 23-0040	LF	10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover .....	189.36	9.06	
		<i>For Combination Hinged Screw Cover, Add</i>	8.56		
		<i>For Concrete Or Masonry Surface, Add</i>	0.91		
26 05 33 23-0041	EA	10" x 10", End Plate For Surface Mounted Wireway With Screw Cover .....	31.86	7.15	
		<i>For Combination Hinged Screw Cover, Add</i>	0.88		
26 05 33 23-0042	EA	10" x 10", Coupling For Surface Mounted Wireway With Screw Cover.....	46.15	14.29	
		<i>For Combination Hinged Screw Cover, Add</i>	0.88		
26 05 33 23-0043	EA	10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover .....	124.00	28.39	
		<i>For Combination Hinged Screw Cover, Add</i>	3.36		
26 05 33 23-0044	EA	10" x 10", Elbow For Surface Mounted Wireway With Screw Cover .....	242.29	28.39	
		<i>For Combination Hinged Screw Cover, Add</i>	9.27		
26 05 33 23-0045	EA	10" x 10", Tee For Surface Mounted Wireway With Screw Cover.....	367.38	35.83	
		<i>For Combination Hinged Screw Cover, Add</i>	14.79		
26 05 33 23-0046	EA	10" x 10", Cross For Surface Mounted Wireway With Screw Cover .....	525.50	40.50	
		<i>For Combination Hinged Screw Cover, Add</i>	22.23		
<b>26 05 33 23-0047</b>		<b>12" x 12", Wireway With Screw Cover</b> <small>(26 05 33 23-0002)</small>			
26 05 33 23-0048	LF	12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover.....	124.99	10.96	
		<i>For Combination Hinged Screw Cover, Add</i>	5.15		
		<i>For Concrete Or Masonry Surface, Add</i>	1.10		
26 05 33 23-0049	LF	12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover .....	208.29	10.96	
		<i>For Combination Hinged Screw Cover, Add</i>	9.32		
		<i>For Concrete Or Masonry Surface, Add</i>	1.10		
26 05 33 23-0050	EA	12" x 12", End Plate For Surface Mounted Wireway With Screw Cover .....	42.09	7.62	
		<i>For Combination Hinged Screw Cover, Add</i>	1.34		
26 05 33 23-0051	EA	12" x 12", Coupling For Surface Mounted Wireway With Screw Cover.....	57.35	15.24	
		<i>For Combination Hinged Screw Cover, Add</i>	1.34		
26 05 33 23-0052	EA	12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover .....	163.46	30.97	
		<i>For Combination Hinged Screw Cover, Add</i>	5.08		
26 05 33 23-0053	EA	12" x 12", Elbow For Surface Mounted Wireway With Screw Cover .....	320.11	30.97	
		<i>For Combination Hinged Screw Cover, Add</i>	12.91		
26 05 33 23-0054	EA	12" x 12", Tee For Surface Mounted Wireway With Screw Cover.....	413.07	38.11	
		<i>For Combination Hinged Screw Cover, Add</i>	16.84		
26 05 33 23-0055	EA	12" x 12", Cross For Surface Mounted Wireway With Screw Cover .....	675.53	42.88	
		<i>For Combination Hinged Screw Cover, Add</i>	29.49		
<b>26 05 33 23-0056</b>		<b>Surface Metal Raceways</b> <small>(26 05 33 23-0001)</small>			
		Note: Exposed on flat wall surface.			
<b>26 05 33 23-0057</b>		<b>One Piece Surface Metal Raceways</b> <small>(26 05 33 23-0056)</small>			
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).			
<b>26 05 33 23-0058</b>		<b>3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500)</b> <small>(26 05 33 23-0057)</small>			
		Note: Available in ivory.			
26 05 33 23-0059	LF	3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500).....	4.31	1.43	
		<i>For Concrete Or Masonry Surface, Add</i>	0.14		
26 05 33 23-0060	EA	Bushing (Wiremold #502) .....	4.16	1.91	
26 05 33 23-0061	EA	One Or Two Hole Strap (Wiremold #504) .....	4.20	1.91	
26 05 33 23-0062	EA	Connection Cover (Wiremold #506).....	4.37	1.91	
26 05 33 23-0063	EA	Flat 90 Degree Elbow (Wiremold #511) .....	6.71	2.29	
26 05 33 23-0064	EA	Flat 45 Degree Elbow (Wiremold #512) .....	11.34	2.39	
26 05 33 23-0065	EA	Adjustable Internal Elbow (Wiremold #517) .....	8.37	2.86	
26 05 33 23-0066	EA	Adjustable External Elbow (Wiremold #518) .....	8.17	2.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 33 23-0067</b> <b>3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700)</b> (26 05 33 23-0057) <b>Note:</b> Available in ivory and white.		
26 05 33 23-0068 LF 3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700).....	5.39	1.91
<i>For Concrete Or Masonry Surface, Add</i> .....	0.19	
26 05 33 23-0069 EA Bushing (Wiremold #702).....	4.26	1.91
26 05 33 23-0070 EA One Or Two Hole Strap (Wiremold #704).....	4.40	1.91
26 05 33 23-0071 EA Connection Cover (Wiremold #706).....	4.43	1.91
26 05 33 23-0072 EA Flat 90 Degree Elbow (Wiremold #711).....	9.79	3.81
26 05 33 23-0073 EA Flat 45 Degree Elbow (Wiremold #712).....	15.54	3.81
26 05 33 23-0074 EA Adjustable Internal Elbow (Wiremold #717).....	10.57	3.81
26 05 33 23-0075 EA Adjustable External Elbow (Wiremold #718).....	10.21	3.81
<b>26 05 33 23-0076</b> <b>One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings)</b> (26 05 33 23-0057) <b>Note:</b> Available in ivory.		
26 05 33 23-0077 EA 18" Flex Fitting, For #500 Or 700 (Wiremold #5700F).....	29.79	2.86
26 05 33 23-0078 EA Galvanized Coupling For #500 Or 700 (Wiremold #5701).....	4.38	1.91
26 05 33 23-0079 EA Supporting Clip, For #500 Or 700 (Wiremold #5703).....	4.38	1.91
26 05 33 23-0080 EA Ground Clamp (Wiremold #5709).....	12.88	2.86
26 05 33 23-0081 EA Grounding Connector (Wiremold #5709GC).....	10.85	2.86
26 05 33 23-0082 EA L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711).....	12.28	3.81
26 05 33 23-0083 EA Tee (Wiremold #5715).....	13.78	4.76
26 05 33 23-0084 EA 2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719).....	24.27	3.81
26 05 33 23-0085 EA Utility Box For #500 Or #700 (Wiremold #57242).....	18.62	3.81
26 05 33 23-0086 EA 2-3/8" Diameter, Blank Cover (Wiremold #5731).....	9.98	2.39
26 05 33 23-0087 EA 3" Diameter, Outlet Box (Wiremold #5733).....	23.11	3.81
26 05 33 23-0088 EA 4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735).....	23.02	3.81
26 05 33 23-0089 EA 4-3/8" Blank Cover (Wiremold #5736).....	10.60	2.39
26 05 33 23-0090 EA 4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737).....	20.90	3.81
26 05 33 23-0091 EA 5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A).....	20.16	3.81
26 05 33 23-0092 EA 4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738).....	20.33	3.81
26 05 33 23-0093 EA 5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A).....	20.33	3.81
26 05 33 23-0094 EA 5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF).....	23.02	3.81
26 05 33 23-0095 EA 6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739).....	22.74	3.81
26 05 33 23-0096 EA 6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A).....	24.29	3.81
26 05 33 23-0097 EA Standard Switch Box For #500, Or #700 (Wiremold #57240).....	27.24	6.20
26 05 33 23-0098 EA Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G).....	42.93	11.92
26 05 33 23-0099 EA 2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741).....	20.45	6.20
26 05 33 23-0100 EA 1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744).....	32.69	6.20
26 05 33 23-0101 EA 2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2).....	37.55	6.20
26 05 33 23-0102 EA 3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3).....	57.30	6.20
26 05 33 23-0103 EA 1 Gang, Signal Box (Wiremold #5744S).....	29.65	5.25
26 05 33 23-0104 EA 2 Gang, Signal Box (Wiremold #5744S-2).....	33.15	5.25
26 05 33 23-0105 EA 3 Gang, Signal Box (Wiremold #5744S-3).....	53.45	5.25
26 05 33 23-0106 EA 4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745).....	21.38	6.20
26 05 33 23-0107 EA 4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747).....	18.73	6.20
26 05 33 23-0108 EA 4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2).....	26.58	6.20
26 05 33 23-0109 EA 4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3).....	52.25	6.20
26 05 33 23-0110 EA 4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748).....	20.06	6.20
26 05 33 23-0111 EA 4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2).....	28.17	6.20
26 05 33 23-0112 EA 4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3).....	50.77	6.20
26 05 33 23-0113 EA 4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4).....	75.63	6.20
26 05 33 23-0114 EA 4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5).....	125.07	6.20
26 05 33 23-0115 EA 4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6).....	127.28	6.20
26 05 33 23-0116 EA 4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S).....	19.81	6.20
26 05 33 23-0117 EA 4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751).....	19.24	6.20
26 05 33 23-0118 EA 4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2).....	25.78	6.20
26 05 33 23-0119 EA 4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3).....	51.27	6.20
26 05 33 23-0120 EA 4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A).....	20.84	6.20
26 05 33 23-0121 EA 4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752).....	27.16	6.20
26 05 33 23-0122 EA 4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753).....	39.38	6.20
26 05 33 23-0123 EA Blank Extension Box (Wiremold #5760).....	13.66	2.39
26 05 33 23-0124 EA 1/2" Special Nipple (Wiremold #5780).....	13.00	2.39
26 05 33 23-0125 EA 1/2" Box Connector (Wiremold #5781).....	8.57	2.39
26 05 33 23-0126 EA 3/4" Box Connector (Wiremold #5781A).....	16.33	2.86
26 05 33 23-0127 EA 1/2" Conduit Connector (Wiremold #5782).....	8.65	2.39
26 05 33 23-0128 EA 3/4" Conduit Connector (Wiremold #5782A).....	20.53	2.86
26 05 33 23-0129 EA 1/2" Elbow Conduit Connector (Wiremold #5784).....	18.36	2.86
26 05 33 23-0130 EA Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785).....	10.09	2.86
26 05 33 23-0131 EA Offset Connector (Wiremold #5786).....	17.03	2.86
26 05 33 23-0132 EA Armor Cable Connector (Wiremold #5790B).....	8.78	2.39
26 05 33 23-0133 EA 1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791).....	7.79	1.91
<b>26 05 33 23-0134</b> <b>1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500)</b> (26 05 33 23-0057) <b>Note:</b> Galvanized finish.		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

26 05 33 23-0135	LF	1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10) .....	7.91	2.39
		<i>For Concrete Or Masonry Surface, Add</i>	0.24	
26 05 33 23-0136	EA	Wire Clip (Wiremold #1500WC) .....	4.85	1.91
26 05 33 23-0137	EA	Bushing (Wiremold #1502) .....	5.73	2.39
26 05 33 23-0138	EA	2-Hole Strap (Wiremold #1504) .....	6.45	2.86
26 05 33 23-0139	EA	Flat Elbow (Wiremold #1511) .....	25.31	9.06
26 05 33 23-0140	EA	Internal Elbow (Wiremold #1517) .....	26.20	9.06
26 05 33 23-0141	EA	Adapter Fitting (Wiremold #1517B) .....	28.28	9.06
26 05 33 23-0142	EA	External Elbow (Wiremold #1518) .....	28.11	9.06
26 05 33 23-0143	EA	Utility Box (Wiremold #1528) .....	25.72	6.20
26 05 33 23-0144	EA	Junction Box (Wiremold #1542D) .....	26.56	6.20
26 05 33 23-0145	EA	Duplex Receptacle (Wiremold #1543GL) .....	52.08	11.92
26 05 33 23-0146	EA	Single Receptacle Box (Wiremold #1546A) .....	27.38	6.20
26 05 33 23-0147	EA	Duplex Receptacle Box (Wiremold #1546B) .....	33.72	6.20
26 05 33 23-0148	EA	Telephone Box (Wiremold #1546T) .....	33.06	6.20
26 05 33 23-0149	EA	Combination Connection (Wiremold #1585) .....	16.00	2.86
<b>26 05 33 23-0150</b>		<b>2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600)</b> <sup>(26 05</sup>		
		<sup>33 23-0057)</sup> Note: Galvanized finish.		
26 05 33 23-0151	LF	2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10) .....	13.58	4.29
		<i>For Concrete Or Masonry Surface, Add</i>	0.43	
26 05 33 23-0152	EA	Wire Clip (Wiremold #2600WC) .....	5.01	1.91
26 05 33 23-0153	EA	Fiber Bushing (Wiremold #2602) .....	5.68	1.91
26 05 33 23-0154	EA	2-5/8", 90 Degree Flat Elbow (Wiremold #2611) .....	21.61	3.34
26 05 33 23-0155	EA	5" Diameter, Junction Box (Wiremold #2642D) .....	32.44	4.76
26 05 33 23-0156	EA	Service Fitting (Wiremold #2686FO) .....	31.42	5.72
<b>26 05 33 23-0157</b>		<b>Two Piece Surface Metal Raceways</b> <sup>(26 05 33 23-0056)</sup>		
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
<b>26 05 33 23-0158</b>		<b>1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000)</b> <sup>(26 05 33 23-</sup>		
		<sup>0157)</sup>		
26 05 33 23-0159	LF	1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC) .....	7.73	2.39
		<i>For Concrete Or Masonry Surface, Add</i>	0.24	
26 05 33 23-0160	EA	Wire Clip (Wiremold #2000WC) .....	3.63	1.91
26 05 33 23-0161	EA	Coupling (Wiremold #2001) .....	9.53	2.39
26 05 33 23-0162	EA	Supporting Clip (Wiremold #2003) .....	4.80	1.43
26 05 33 23-0163	EA	Cover Clip (Wiremold #2006) .....	4.42	1.43
26 05 33 23-0164	EA	Ground Clamp (Wiremold #2009) .....	11.84	2.39
26 05 33 23-0165	EA	Entrance End Fitting (Wiremold #2010A2) .....	22.77	7.15
26 05 33 23-0166	EA	Entrance End Fitting (Wiremold #2010A3) .....	39.69	9.53
26 05 33 23-0167	EA	Blank End Fitting (Wiremold #2010B) .....	5.90	2.39
26 05 33 23-0168	EA	Flat 90 Degree Elbow (Wiremold #2011) .....	19.57	6.20
26 05 33 23-0169	EA	Tee (Wiremold #2015) .....	36.54	8.96
26 05 33 23-0170	EA	Internal Corner Coupling (Wiremold #2017TC) .....	12.33	4.76
26 05 33 23-0171	EA	Single Gang Device Box (Wiremold #2048) .....	29.85	8.48
26 05 33 23-0172	EA	2-Gang device Box (Wiremold #2048-2) .....	48.19	9.44
26 05 33 23-0173	EA	Flush Plate Adapter (Wiremold #2051H) .....	32.29	9.44
26 05 33 23-0174	EA	Side Reducing Connector (Wiremold #2089) .....	27.49	4.76
26 05 33 23-0175	EA	#2089E End Reducing Connector .....	11.22	2.39
<b>26 05 33 23-0176</b>		<b>1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400)</b> <sup>(26 05 33 23-</sup>		
		<sup>0157)</sup> Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0177	LF	1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B) .....	6.51	2.39
		<i>For Concrete Or Masonry Surface, Add</i>	0.24	
26 05 33 23-0178	LF	1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD) .....	7.21	2.39
		<i>For Concrete Or Masonry Surface, Add</i>	0.24	
26 05 33 23-0179	LF	Raceway Cover (Wiremold #2400C) .....	2.74	0.48
26 05 33 23-0180	EA	Wire Clip (Wiremold #2400WC) .....	3.63	1.91
26 05 33 23-0181	EA	Coupling (Wiremold #2401) .....	9.45	2.39
26 05 33 23-0182	EA	Divided Raceway Coupling (Wiremold #2401D) .....	8.11	2.39
26 05 33 23-0183	EA	Cover Clip (Wiremold #2406) .....	4.46	1.43
26 05 33 23-0184	EA	Device Bracket Frame (Wiremold #2407-2CM) .....	34.24	7.15
26 05 33 23-0185	EA	Device Bracket Frame (Wiremold #2407-2TJ) .....	32.71	7.15
26 05 33 23-0186	EA	Ground Clamp (Wiremold #2409) .....	9.09	1.91
26 05 33 23-0187	EA	End Fitting (Wiremold #2410A) .....	21.75	7.15
26 05 33 23-0188	EA	Blank End (Wiremold #2410B) .....	5.97	2.39
26 05 33 23-0189	EA	Divided Blank End Fitting (Wiremold #2410BD) .....	6.05	2.39
26 05 33 23-0190	EA	Entrance End Fitting (Wiremold #2410C) .....	34.10	7.15
26 05 33 23-0191	EA	Divided Entrance End Fitting (Wiremold #2410D) .....	32.62	7.15
26 05 33 23-0192	EA	Divided Entrance End Fitting (Wiremold #2410DFO) .....	54.73	7.15
26 05 33 23-0193	EA	Full Cap Entrance End Fitting (Wiremold #2410FC) .....	41.47	7.15
26 05 33 23-0194	EA	Divided Flat 90 Degree Elbow (Wiremold #2411D) .....	24.62	7.15
26 05 33 23-0195	EA	Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO) .....	40.64	7.15
26 05 33 23-0196	EA	Radiused Flat 90 Degree Elbow (Wiremold #2411FO) .....	36.20	7.05
26 05 33 23-0197	EA	Flat 90 Degree Elbow (Wiremold #2411M) .....	23.38	7.15
26 05 33 23-0198	EA	Radiused Divided Tee (Wiremold #2415DFO) .....	43.76	7.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0199 EA Radiused Tee (Wiremold #2415FO).....	41.51	7.05
26 05 33 23-0200 EA Tee (Wiremold #2415M).....	28.10	7.05
26 05 33 23-0201 EA Divided Internal Coupling (Wiremold #2417D).....	23.11	7.05
26 05 33 23-0202 EA Radiused Divided Internal Coupling (Wiremold #2417DFO).....	37.44	7.05
26 05 33 23-0203 EA Radiused Internal Coupling (Wiremold #2417FO).....	36.27	7.05
26 05 33 23-0204 EA Internal Coupling (Wiremold #2417M).....	22.33	7.05
26 05 33 23-0205 EA Radiused Divided External Coupling (Wiremold #2418DFO).....	40.88	7.05
26 05 33 23-0206 EA Radiused External Coupling (Wiremold #2418FO).....	40.19	7.05
26 05 33 23-0207 EA External Coupling (Wiremold #2418M).....	27.59	7.05
26 05 33 23-0208 EA 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444).....	37.26	6.20
26 05 33 23-0209 EA 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2).....	41.57	6.20
26 05 33 23-0210 EA Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS).....	41.79	6.20
26 05 33 23-0211 EA Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D).....	39.97	6.20
26 05 33 23-0212 EA Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A).....	57.17	6.20
26 05 33 23-0213 EA Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N).....	50.10	6.20
26 05 33 23-0214 EA 4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448).....	25.55	6.20
26 05 33 23-0215 EA 4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2).....	40.62	6.20
26 05 33 23-0216 EA Device Bracket Type Adapter Plate (Wiremold #2450).....	12.34	2.39
26 05 33 23-0217 EA 4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H).....	28.80	7.15
26 05 33 23-0218 EA Bridge Fitting For 2400/700/500 (Wiremold #2475D).....	89.94	7.15
26 05 33 23-0219 EA Side Reducing Connector (Wiremold #2489).....	25.66	3.81
<b>26 05 33 23-0220 2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000)</b> <small>(26 05 33 23-0157)</small>		
Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0221 LF 2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B).....	12.51	4.29
For Concrete Or Masonry Surface, Add	0.43	
26 05 33 23-0222 LF Raceway Cover (Wiremold #3000CE).....	2.99	0.48
26 05 33 23-0223 EA Wire Clips For Conductors (Wiremold #3000WC).....	4.79	1.91
26 05 33 23-0224 EA Couplings (Wiremold #3001).....	12.35	1.91
26 05 33 23-0225 EA Rigid Inside Coupling (Wiremold #3001A).....	12.30	2.39
26 05 33 23-0226 EA Supporting Clip (Wiremold #3003).....	9.05	2.39
26 05 33 23-0227 EA Clip Cover (Wiremold #3006E).....	5.17	1.91
26 05 33 23-0228 EA Device Brackets (Wiremold #3007C).....	13.43	3.81
26 05 33 23-0229 EA C-Hanger (Wiremold #3008C).....	13.40	2.86
26 05 33 23-0230 EA Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE).....	31.11	9.06
26 05 33 23-0231 EA Blank End Fittings (Wiremold #3010B).....	11.36	3.81
26 05 33 23-0232 EA Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C).....	34.49	9.06
26 05 33 23-0233 EA Flat 90 Degree Elbow (Wiremold #3011E).....	51.92	11.81
26 05 33 23-0234 EA Wall Box Connector (Wiremold #3014C).....	36.91	11.92
26 05 33 23-0235 EA Tee Fitting (Wiremold #3015E).....	71.44	14.77
26 05 33 23-0236 EA Internal Corner Coupling (Wiremold #3017TCE).....	33.69	9.06
26 05 33 23-0237 EA External Corner (Wiremold #3018AE).....	41.66	9.06
26 05 33 23-0238 EA Single Receptacle Cover With Face Diameters Of 1.38"-1.4" (Wiremold #3027AE).....	29.62	9.06
26 05 33 23-0239 EA Utility Box (Wiremold #3028).....	50.47	9.06
26 05 33 23-0240 EA Single Receptacle Cover With Face Diameters Of 1.56"-1.57" (Wiremold #3033JE).....	16.31	2.39
26 05 33 23-0241 EA Blank Cover (Wiremold #3036HE).....	17.85	2.39
26 05 33 23-0242 EA Switch Cover (Wiremold #3040CE).....	16.27	2.39
26 05 33 23-0243 EA Duplex Receptacle Cover (Wiremold #3043BE).....	19.77	2.86
26 05 33 23-0244 EA 15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE).....	50.53	12.39
26 05 33 23-0245 EA 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2).....	56.88	9.06
26 05 33 23-0246 EA Duplex Receptacle Cover (Wiremold #3046BE).....	16.37	2.86
26 05 33 23-0247 EA Tap Off Fitting (Wiremold #3046H-2).....	19.53	2.39
26 05 33 23-0248 EA 1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD).....	78.31	5.72
26 05 33 23-0249 EA 2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ).....	193.95	5.72
26 05 33 23-0250 EA 1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU).....	67.94	5.72
26 05 33 23-0251 EA 1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S).....	73.68	5.72
26 05 33 23-0252 EA 1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U).....	73.68	5.72
26 05 33 23-0253 EA Rectangular Receptacle Cover (Wiremold #3048R).....	23.08	2.86
<b>26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000)</b> <small>(26 05 33 23-0157)</small>		
Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0255 LF 4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10).....	14.97	4.29
For Concrete Or Masonry Surface, Add	0.46	
26 05 33 23-0256 LF Raceway Cover (Wiremold #4000C).....	5.23	0.48
26 05 33 23-0257 LF Divider (Wiremold #4000D).....	2.56	0.48
26 05 33 23-0258 EA Wire Clips For Conductors (Wiremold #4000WC).....	5.71	2.39
26 05 33 23-0259 EA Couplings (Wiremold #4001A).....	14.90	2.86
26 05 33 23-0260 EA Divider Clip (Wiremold #4001D).....	7.08	2.86
26 05 33 23-0261 EA Seam Clip (Wiremold #4006).....	7.20	2.86
26 05 33 23-0262 EA Single Device Fitting (Wiremold #4007C-1R).....	29.50	6.20
26 05 33 23-0263 EA Blank End Fittings (Wiremold #4010B).....	15.77	3.81
26 05 33 23-0264 EA Entrance End Fitting (Wiremold #4010DFO).....	60.58	14.67
26 05 33 23-0265 EA Flat 90 Degree Elbow (Wiremold #4011).....	56.21	11.92
26 05 33 23-0266 EA Radiused Flat 90 Degree Elbow (Wiremold #4011FO).....	66.26	11.92
26 05 33 23-0267 EA Internal Or External 45 Degree Elbow (Wiremold #4012TX).....	61.34	14.77
26 05 33 23-0268 EA Wall Box Connector (Wiremold #4014A).....	81.43	14.77
26 05 33 23-0269 EA Tee Fitting (Wiremold #4015).....	90.25	14.77
26 05 33 23-0270 EA Divided Tee Fitting (Wiremold #4015D).....	93.80	14.77

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

26 05 33 23-0271	EA	Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO) .....	111.83	14.77
26 05 33 23-0272	EA	Radiused Tee Fitting (Wiremold #4015FO) .....	112.17	14.77
26 05 33 23-0273	EA	Internal Elbow (Wiremold #4017) .....	50.02	14.77
26 05 33 23-0274	EA	Internal Elbow (Wiremold #4017FO) .....	88.69	14.77
26 05 33 23-0275	EA	Inverted Internal Elbow (Wiremold #4017N) .....	55.34	14.77
26 05 33 23-0276	EA	Internal Corner Coupling (Wiremold #4017TCA) .....	47.21	14.77
26 05 33 23-0277	EA	External Elbow (Wiremold #4018) .....	74.18	14.77
26 05 33 23-0278	EA	Radiused External Elbow (Wiremold #4018FO) .....	85.93	14.77
26 05 33 23-0279	EA	Single Locking Receptacle And Two RJ11/45 Modular Connectors Outlet Cover (Wiremold #4046ARJ) .....	72.30	6.20
26 05 33 23-0280	EA	Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2) .....	76.64	6.20
26 05 33 23-0281	EA	Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ) .....	76.64	6.20
26 05 33 23-0282	EA	Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2) .....	102.35	6.20
26 05 33 23-0283	EA	Tap-Off Fitting (Wiremold #4046H-2) .....	21.77	6.20
26 05 33 23-0284	EA	Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ) .....	65.63	2.86
26 05 33 23-0285	EA	Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ) .....	78.44	6.20
26 05 33 23-0286	EA	1 Gang Device Plate (Wiremold #G4047C-1) .....	21.52	6.20
26 05 33 23-0287	EA	2 Gang Device Plate (Wiremold #G4047C-2) .....	25.07	6.20
26 05 33 23-0288	EA	Device Mounting Bracket (Wiremold #4050) .....	24.37	4.76
26 05 33 23-0289	EA	#4000 To #3000 Take-off Connector (Wiremold #4074A) .....	113.53	14.77
26 05 33 23-0290	EA	Bridge Fitting (Wiremold #4075D) .....	102.39	14.77
26 05 33 23-0291	EA	Bridge Fitting (Wiremold #4075DA) .....	102.39	14.77
26 05 33 23-0292	EA	Panel Connector (Wiremold #4086A) .....	83.32	28.11
26 05 33 23-0293	EA	Reducing Connector Fitting (Wiremold #4089) .....	51.13	14.77

**26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000)** (26 05 33 23-0157)

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0295	LF	4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10) .....	22.26	5.25
		<i>For Concrete Or Masonry Surface, Add</i> .....	0.52	
26 05 33 23-0296	LF	Raceway Cover (Wiremold #6000C) .....	6.42	1.43
26 05 33 23-0297	LF	Divider (Wiremold #6000DA) .....	6.76	1.43
26 05 33 23-0298	EA	Wire Clips For Conductors (Wiremold #6000WC) .....	6.76	2.39
26 05 33 23-0299	EA	Couplings (Wiremold #6001A) .....	18.58	4.76
26 05 33 23-0300	EA	Divider Clip (Wiremold #6001D) .....	8.61	2.39
26 05 33 23-0301	EA	Converter Coupling (Wiremold #6001TX) .....	23.86	6.20
26 05 33 23-0302	EA	Connection Cover (Wiremold #6006) .....	22.64	6.20
26 05 33 23-0303	EA	Single Gang Device Plate (Wiremold #6007C-1) .....	23.75	6.20
26 05 33 23-0304	EA	Two Gang Device Plate (Wiremold #6007C-2) .....	26.02	6.20
26 05 33 23-0305	EA	C-Hanger (Wiremold #6008A) .....	37.81	9.06
26 05 33 23-0306	EA	Blank End Fittings (Wiremold #6010B) .....	40.64	14.29
26 05 33 23-0307	EA	Combination Flat Elbow (Wiremold #6011TX) .....	76.66	14.29
26 05 33 23-0308	EA	Internal-External 45 Degree Elbow (Wiremold #6012TX) .....	77.99	13.72
26 05 33 23-0309	EA	Connector Fitting (Wiremold #6014A) .....	111.43	14.77
26 05 33 23-0310	EA	Combination Internal-External Elbow (Wiremold #6017TX) .....	79.38	16.20
26 05 33 23-0311	EA	Circuit Breaker Housing (Wiremold #6046KD) .....	138.65	16.20
26 05 33 23-0312	EA	#6000 To #6000 Take-off Connector (Wiremold #6074) .....	133.84	14.29
26 05 33 23-0313	EA	#6000 To #4000 Take-off Connector (Wiremold #6074A) .....	144.84	14.29
26 05 33 23-0314	EA	Panel Connector (Wiremold #6086) .....	87.05	33.16

**26 05 33 23-0315 Two Piece Surface Aluminum Raceways** (26 05 33 23-0056)

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

**26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000)** (26 05 33 23-0315)

26 05 33 23-0317	LF	1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B) .....	9.83	2.39
		<i>For Concrete Or Masonry Surface, Add</i> .....	0.24	
26 05 33 23-0318	LF	Aluminum Raceway Cover (Wiremold #AL2000C) .....	4.97	0.48
26 05 33 23-0319	EA	Wire Clip (Wiremold #AL2000WC) .....	4.75	1.91
26 05 33 23-0320	EA	Coupling (Wiremold #AL2001) .....	10.36	2.39
26 05 33 23-0321	EA	Supporting Clip (Wiremold #AL2003) .....	5.14	1.43
26 05 33 23-0322	EA	Cover Clip (Wiremold #AL2006) .....	6.56	1.43
26 05 33 23-0323	EA	Ground Clamp (Wiremold #AL2009) .....	9.35	2.39
26 05 33 23-0324	EA	Entrance End Fitting (Wiremold #AL2010A) .....	26.08	7.15
26 05 33 23-0325	EA	Blank End Fitting (Wiremold #AL2010B) .....	8.43	2.39
26 05 33 23-0326	EA	Flat 90 Degree Elbow (Wiremold #AL2011) .....	30.44	6.20
26 05 33 23-0327	EA	Tee (Wiremold #AL2015) .....	41.22	8.96
26 05 33 23-0328	EA	Internal Corner Elbow (Wiremold #AL2017) .....	27.64	4.76
26 05 33 23-0329	EA	External Corner Elbow (Wiremold #AL2018) .....	27.58	4.76
26 05 33 23-0330	EA	2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043) .....	44.93	9.44
26 05 33 23-0331	EA	4-1/16" Round Fixture Box (Wiremold #AL2038) .....	105.36	8.48
26 05 33 23-0332	EA	4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044) .....	46.39	8.48
26 05 33 23-0333	EA	4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2) .....	96.87	9.44
26 05 33 23-0334	EA	Single Gang Shallow Device Box (Wiremold #AL2047) .....	48.07	8.48
26 05 33 23-0335	EA	2-Gang Shallow Device Box (Wiremold #AL2047-2) .....	85.53	9.44
26 05 33 23-0336	EA	Flush Plate Adapter (Wiremold #AL2051H) .....	36.13	9.44

**26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400)** (26 05 33 23-0315)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0338 LF 2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B) ..... <i>For Concrete Or Masonry Surface, Add</i>	11.19 <i>0.24</i>	2.39
26 05 33 23-0339 LF Aluminum Raceway Cover (Wiremold #AL2400C) .....	5.22	0.48
26 05 33 23-0340 EA Wire Clip (Wiremold #AL2400WC) .....	6.62	1.91
26 05 33 23-0341 EA Coupling (Wiremold #AL2401).....	12.14	2.39
26 05 33 23-0342 EA Cover Clip (Wiremold #AL2406) .....	8.68	1.43
26 05 33 23-0343 EA Ground Clamp (Wiremold #AL2409).....	7.61	1.91
26 05 33 23-0344 EA Blank End (Wiremold #AL2410B) .....	9.45	2.39
26 05 33 23-0345 EA End Fitting (Wiremold #AL2410B2) .....	19.98	7.15
26 05 33 23-0346 EA Flat 90 Degree Elbow (Wiremold #AL2411).....	37.29	7.15
26 05 33 23-0347 EA Tee (Wiremold #AL2415).....	40.77	7.05
26 05 33 23-0348 EA Fourway Fitting (Wiremold #AL2416) .....	48.06	7.05
26 05 33 23-0349 EA Internal Coupling (Wiremold #AL2417).....	37.16	7.05
26 05 33 23-0350 EA External Coupling (Wiremold #AL2418).....	40.09	7.05
26 05 33 23-0351 EA 4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H).....	33.16	7.15
<b>26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300)</b> <small>(26 05 33 23-0315)</small>		
26 05 33 23-0353 LF 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B) ..... <i>For Concrete Or Masonry Surface, Add</i>	18.69 <i>0.43</i>	4.29
26 05 33 23-0354 LF Aluminum Raceway Cover (Wiremold #AL3300CE).....	5.54	0.48
26 05 33 23-0355 LF Raceway Divider (Wiremold #AL3300D) .....	4.57	4.29
26 05 33 23-0356 EA Wire Clips For Conductors (Wiremold #AL3300WC).....	8.90	1.91
26 05 33 23-0357 EA Couplings (Wiremold #AL3301).....	16.11	1.91
26 05 33 23-0358 EA Divider Coupling (Wiremold #AL3301D).....	13.46	2.39
26 05 33 23-0359 EA Ground Clamp (Wiremold #AL3309).....	9.03	1.91
26 05 33 23-0360 EA Blank End Fittings (Wiremold #AL3310B).....	18.80	3.81
26 05 33 23-0361 EA End Fitting (Wiremold #AL3310B1) .....	30.41	9.06
26 05 33 23-0362 EA Flat 90 Degree Elbow (Wiremold #AL3311)..... <i>Note: Includes two (2) AL3301 couplings.</i>	93.23	11.81
26 05 33 23-0363 EA Tee Fitting (Wiremold #AL3315)..... <i>Note: Includes three (3) AL3301 couplings.</i>	106.90	14.77
26 05 33 23-0364 EA Cross Fitting (Wiremold #AL3316)..... <i>Note: Includes four (4) AL3301 couplings.</i>	120.99	14.77
26 05 33 23-0365 EA Internal Elbow (Wiremold #AL3317) .....	87.45	9.06
26 05 33 23-0366 EA External Elbow (Wiremold #AL3318)..... <i>Note: Includes two (2) AL3301 couplings.</i>	87.54	9.06
26 05 33 23-0367 EA Duplex Receptacle Cover (Wiremold #AL3346D).....	19.37	2.86
26 05 33 23-0368 EA Single Receptacle Cover (Wiremold #AL3346E).....	19.24	2.86
26 05 33 23-0369 EA GFCI/ Surge Receptacle Cover (Wiremold #AL3346G).....	19.04	2.86
26 05 33 23-0370 EA Single Device Cover Plate (Wiremold #AL3356R).....	19.07	2.39
<b>26 05 33 23-0371 5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200)</b> <small>(26 05 33 23-0315)</small>		
26 05 33 23-0372 LF 5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10) ..... <i>For Concrete Or Masonry Surface, Add</i>	24.79 <i>0.46</i>	4.29
26 05 33 23-0373 LF Aluminum Raceway Cover (Wiremold #AL5200C) .....	10.48	0.48
26 05 33 23-0374 LF Divider (Wiremold #AL5200D) .....	6.10	0.48
26 05 33 23-0375 EA Wire Clips For Conductors (Wiremold #AL5200WC).....	8.23	2.39
26 05 33 23-0376 EA Wire Clips For Conductors (Wiremold #AL5200WC2).....	6.84	2.39
26 05 33 23-0377 EA Wire Clips For Conductors (Wiremold #AL5200WC3).....	6.79	2.39
26 05 33 23-0378 EA Couplings (Wiremold #AL5201).....	15.66	2.86
26 05 33 23-0379 EA Cover Clip (Wiremold #AL5206) .....	14.15	2.86
26 05 33 23-0380 EA Ground Adapter (Wiremold #AL5209) .....	17.41	2.86
26 05 33 23-0381 EA Blank End Fittings (Wiremold #AL5210B).....	18.57	3.81
26 05 33 23-0382 EA Blank End Fittings (Wiremold #AL5210B1).....	20.01	3.81
26 05 33 23-0383 EA Blank End Fittings (Wiremold #AL5210B2).....	20.33	3.81
26 05 33 23-0384 EA Blank End Fittings (Wiremold #AL5210B3).....	19.68	3.81
26 05 33 23-0385 EA Flat 90 Degree Elbow (Wiremold #AL5211)..... <i>Note: Includes two (2) pairs of AL5201 couplings.</i>	105.08	11.92
26 05 33 23-0386 EA Wall Box Connector (Wiremold #AL5214) .....	81.11	14.77
26 05 33 23-0387 EA Tee Fitting (Wiremold #AL5215)..... <i>Note: Includes three (3) pairs of AL5201 couplings.</i>	122.73	14.77
26 05 33 23-0388 EA Four Way Fitting (Wiremold #AL5216)..... <i>Note: Includes four (4) pairs of AL5201 couplings.</i>	135.05	14.77
26 05 33 23-0389 EA Internal Elbow (Wiremold #AL5217) .....	108.40	14.77
26 05 33 23-0390 EA Internal Corner Coupling (Wiremold #AL5217A).....	43.56	14.77
26 05 33 23-0391 EA Inverted Internal Elbow (Wiremold #AL5217N).....	111.53	14.77
26 05 33 23-0392 EA External Elbow (Wiremold #AL5218)..... <i>Note: Includes two (2) pairs of AL5201 couplings.</i>	109.37	14.77
26 05 33 23-0393 EA Blank Device Cover Plate (Wiremold #AL5246B).....	23.54	2.86
26 05 33 23-0394 EA Receptacle Device Cover Plate (Wiremold #AL5246D).....	28.04	2.86
26 05 33 23-0395 EA Double Receptacle Device Cover Plate (Wiremold #AL5246DD).....	33.43	2.86
26 05 33 23-0396 EA Device Cover Plate (Wiremold #AL5246F).....	31.31	2.86
26 05 33 23-0397 EA Device Cover Plate (Wiremold #AL5246G).....	28.84	2.86
26 05 33 23-0398 EA Offset Divider (Wiremold #AL5260) .....	26.43	6.20

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0399			<b>3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800)</b> <small>(26 05 33 23-0315)</small>		
26 05 33 23-0400	LF		Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10).....	19.87	4.29
26 05 33 23-0401	EA		Cover Clip (Wiremold #ALA3806).....	9.55	2.86
26 05 33 23-0402	EA		Blank End Fittings (Wiremold #ALA3810B).....	16.65	3.81
26 05 33 23-0403	EA		Entrance End Cap Fittings (Wiremold #ALA3810B1).....	17.87	3.81
26 05 33 23-0404	EA		Flat 90 Degree Elbow (Wiremold #ALA3811).....	90.97	11.92
			Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0405	EA		Flat Tee Fitting (Wiremold #ALA3815).....	94.06	14.77
			Note: Includes three (3) ALA01 couplings.		
26 05 33 23-0406	EA		Internal Elbow (Wiremold #ALA3817).....	91.74	14.77
			Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0407	EA		Inverted Internal Elbow (Wiremold #ALA3817N).....	107.78	14.77
			Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0408	EA		External Elbow (Wiremold #ALA3818).....	92.93	14.77
			Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0409			<b>6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800)</b> <small>(26 05 33 23-0315)</small>		
26 05 33 23-0410	LF		Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10).....	33.72	4.29
26 05 33 23-0411	EA		Cover Clip (Wiremold #ALA4806).....	14.42	2.86
26 05 33 23-0412	EA		Blank End Fittings (Wiremold #ALA4810B).....	18.87	3.81
26 05 33 23-0413	EA		Entrance End Cap Fittings (Wiremold #ALA4810B2).....	21.09	3.81
26 05 33 23-0414	EA		Flat 90 Degree Elbow (Wiremold #ALA4811).....	125.42	11.92
			Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0415	EA		Flat Tee Fitting (Wiremold #ALA4815).....	171.97	14.77
			Note: Includes six (6) ALA01 couplings.		
26 05 33 23-0416	EA		Internal Elbow (Wiremold #ALA4817).....	115.18	14.77
			Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0417	EA		Inverted Internal Elbow (Wiremold #ALA4817N).....	136.10	14.77
			Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0418	EA		External Elbow (Wiremold #ALA4818).....	121.07	14.77
			Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0419			<b>Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800)</b> <small>(26 05 33 23-0315)</small>		
			See CSI section 26 27 26 00-0010 for receptacles.		
26 05 33 23-0420	LF		3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5).....	7.28	0.48
			Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.		
26 05 33 23-0421	EA		Wire Clips (Wiremold #ALAWC).....	6.45	2.39
26 05 33 23-0422	EA		Slide Couplings (Wiremold #ALA01).....	16.02	2.86
26 05 33 23-0423	EA		Grounding Adapter (Wiremold #ALA09).....	13.56	2.86
26 05 33 23-0424	EA		Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI).....	36.83	11.92
26 05 33 23-0425	EA		Internal Corner Coupling (Wiremold #ALA17A).....	43.84	14.77
26 05 33 23-0426	EA		Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI).....	41.25	11.92
26 05 33 23-0427	EA		Blank Cover Plate (Wiremold #ALA-BL).....	17.62	2.86
26 05 33 23-0428	EA		Duplex Receptacle Cover Plate (Wiremold #ALA-DR).....	18.83	2.86
26 05 33 23-0429	EA		Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E).....	19.63	2.86
26 05 33 23-0430	EA		Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F).....	20.71	2.86
26 05 33 23-0431	EA		GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G).....	18.99	2.86
26 05 33 23-0432	EA		Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J).....	19.64	2.86
26 05 33 23-0433	EA		Toggle Switch Cover Plate (Wiremold #ALA-N).....	20.17	2.86
26 05 33 23-0434	EA		Active LPB Cover Plate (Wiremold #ALA-LPB).....	26.03	2.86
26 05 33 23-0435	EA		Active MAB Cover Plate (Wiremold #ALA-MAB).....	24.43	2.86
26 05 33 23-0436	EA		Ortronics Cover Plate (Wiremold #ALA-MABRT).....	28.25	2.86
26 05 33 23-0437	EA		1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG).....	19.76	2.86
26 05 33 23-0438	EA		Active 2A Cover Plate (Wiremold #ALA-2A).....	27.27	2.86
26 05 33 23-0439	EA		Ortronics Communications Cover Plate (Wiremold #ALA-ABRT).....	24.90	2.86
26 05 33 23-0440	EA		3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z).....	20.12	2.86
26 05 33 23-0441	EA		Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2).....	25.13	2.86
26 05 33 23-0442			<b>Surface Non-Metallic Raceways</b> <small>(26 05 33 23-0001)</small>		
			Note: Exposed on flat wall surface.		
26 05 33 23-0443			<b>One Piece Surface Non-Metallic Raceways</b> <small>(26 05 33 23-0442)</small>		
			Note: Exposed on flat wall surface. (Wiremold or approved equal).		
26 05 33 23-0444			<b>7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0445	LF		7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC).....	6.24	1.91
			<i>For Concrete Or Masonry Surface, Add</i>	0.19	
26 05 33 23-0446	EA		Wire Clip (Wiremold #400WC).....	4.32	1.91
26 05 33 23-0447	EA		Cover Clip (Wiremold #406).....	4.65	1.91
26 05 33 23-0448	EA		Blank End Clip (Wiremold #410B).....	8.82	3.81
26 05 33 23-0449	EA		Flat 90 Degree Elbow (Wiremold #411).....	10.83	3.81
26 05 33 23-0450	EA		Tee (Wiremold #415).....	13.66	4.76
26 05 33 23-0451	EA		Internal Elbow (Wiremold #417).....	10.57	3.81
26 05 33 23-0452	EA		External Elbow (Wiremold #418).....	10.57	3.81





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0453				<b>1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0454	LF			1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC) .....	6.60	1.91
				<i>For Concrete Or Masonry Surface, Add</i> .....	0.19	
26 05 33 23-0455	EA			Wire Clip (Wiremold #800WC).....	4.27	1.91
26 05 33 23-0456	EA			Cover Clip (Wiremold #806).....	4.38	1.91
26 05 33 23-0457	EA			Entrance End Fitting (Wiremold #810A2) .....	13.82	3.81
26 05 33 23-0458	EA			Blank End Fitting (Wiremold #810B).....	8.62	3.81
26 05 33 23-0459	EA			Flat 90 Degree Elbow (Wiremold #811).....	10.13	3.81
26 05 33 23-0460	EA			Tee (Wiremold #815) .....	12.73	4.76
26 05 33 23-0461	EA			Internal Elbow (Wiremold #817).....	9.91	3.81
26 05 33 23-0462	EA			External Elbow (Wiremold #818) .....	9.91	3.81
26 05 33 23-0463	EA			End Reducer, #800 To #400 (Wiremold #889A).....	11.33	3.81
26 05 33 23-0464				<b>2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0465	LF			2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC) .....	7.61	1.91
				<i>For Concrete Or Masonry Surface, Add</i> .....	0.19	
26 05 33 23-0466	LF			2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD).....	8.13	1.91
				<i>For Concrete Or Masonry Surface, Add</i> .....	0.19	
26 05 33 23-0467	EA			Wire Clip (Wiremold #2300WC).....	4.49	1.91
26 05 33 23-0468	EA			Cover Clip (Wiremold #2306).....	4.76	1.91
26 05 33 23-0469	EA			Entrance End Fitting (Wiremold #2310A) .....	14.96	3.81
26 05 33 23-0470	EA			Blank End Fitting (Wiremold #2310B).....	9.11	3.81
26 05 33 23-0471	EA			Divided Entrance End Fitting (Wiremold #2310DFO) .....	16.95	3.81
26 05 33 23-0472	EA			Flat 90 Degree Elbow (Wiremold #2311).....	10.28	3.81
26 05 33 23-0473	EA			Divided Flat 90 Degree Elbow (Wiremold #2311DFO) .....	11.13	3.81
26 05 33 23-0474	EA			Tee (Wiremold #2315).....	12.79	4.76
26 05 33 23-0475	EA			Internal Elbow (Wiremold #2317).....	10.28	3.81
26 05 33 23-0476	EA			Divided Internal Elbow (Wiremold #2317DFO) .....	11.14	3.81
26 05 33 23-0477	EA			External Elbow (Wiremold #2318) .....	10.31	3.81
26 05 33 23-0478	EA			Divided External Elbow (Wiremold #2318DFO) .....	11.29	3.81
26 05 33 23-0479	EA			End Reducer, #2300 To #400 (Wiremold #2389).....	11.31	3.81
26 05 33 23-0480	EA			End Reducer, #2300 To #800 (Wiremold #2389A).....	11.85	3.81
26 05 33 23-0481				<b>One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0482	EA			Blank Cover, 4-1/2" Diameter (Wiremold #2336).....	12.83	3.34
26 05 33 23-0483	EA			Extension Box, 5-1/2" Diameter (Wiremold #2337A) .....	21.48	3.81
26 05 33 23-0484	EA			-A Fixture Box, 5-1/2" Diameter (Wiremold #233).....	21.61	3.81
26 05 33 23-0485	EA			Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344) .....	19.40	3.81
26 05 33 23-0486	EA			Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2) .....	22.65	3.81
26 05 33 23-0487	EA			Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D).....	21.23	3.81
26 05 33 23-0488	EA			Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A).....	23.15	3.81
26 05 33 23-0489	EA			1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347).....	18.73	6.20
26 05 33 23-0490	EA			2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2) .....	21.58	6.20
26 05 33 23-0491	EA			1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348).....	19.56	6.20
26 05 33 23-0492	EA			2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2) .....	23.87	6.20
26 05 33 23-0493	EA			3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3).....	28.87	6.20
26 05 33 23-0494	EA			1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP) .....	27.28	6.20
26 05 33 23-0495	EA			1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D).....	24.55	6.20
26 05 33 23-0496	EA			Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51) .....	18.30	6.20
26 05 33 23-0497				<b>3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0498	LF			3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700) .....	5.44	1.91
				<i>For Concrete Or Masonry Surface, Add</i> .....	0.19	
26 05 33 23-0499	EA			3/4" Wire Clip (Wiremold #2700WC).....	2.26	0.95
26 05 33 23-0500	EA			Cover Clip (Wiremold #2706).....	3.64	0.95
26 05 33 23-0501	EA			Blank End (Wiremold #2710B).....	5.52	1.91
26 05 33 23-0502	EA			Flat 90 Degree Elbow (Wiremold #2711).....	6.52	2.39
26 05 33 23-0503	EA			Tee (Wiremold #2715).....	10.35	4.29
26 05 33 23-0504	EA			Internal Elbow (Wiremold #2717).....	7.48	2.86
26 05 33 23-0505	EA			External Elbow (Wiremold #2718) .....	7.46	2.86
26 05 33 23-0506	EA			Drop Ceiling Connector (Wiremold #2786) .....	8.83	3.34
26 05 33 23-0507				<b>1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0508	LF			1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800) .....	6.81	2.39
				<i>For Concrete Or Masonry Surface, Add</i> .....	0.24	
26 05 33 23-0509	EA			1" Wire Clip (Wiremold #2800WC).....	3.30	1.43
26 05 33 23-0510	EA			Cover Clip (Wiremold #2806).....	4.52	1.43
26 05 33 23-0511	EA			Blank End (Wiremold #2810B).....	6.42	2.39
26 05 33 23-0512	EA			Flat 90 Degree Elbow (Wiremold #2811).....	8.41	3.34
26 05 33 23-0513	EA			Radiused Flat 90 Degree Elbow (Wiremold #2811FO).....	9.00	3.34
26 05 33 23-0514	EA			Tee (Wiremold #2815).....	12.22	5.25

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0515	EA		Internal Elbow (Wiremold #2817).....	9.33	3.81
26 05 33 23-0516	EA		External Elbow (Wiremold #2818).....	9.36	3.81
26 05 33 23-0517	EA		Radiused Tee (Wiremold #2815FO).....	13.02	5.25
26 05 33 23-0518	EA		Radiused Internal Elbow (Wiremold #2817FO).....	10.06	3.81
26 05 33 23-0519	EA		Radiused External Elbow (Wiremold #2818FO).....	9.95	3.81
26 05 33 23-0520	EA		Drop Ceiling Connector (Wiremold #2886).....	10.54	4.29
26 05 33 23-0521	EA		Reducer, #2800 To #2700 (Wiremold #2889).....	9.50	3.81
<b>26 05 33 23-0522</b>			<b>1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900)</b>		
			<small>(26 05 33 23-0443)</small>		
26 05 33 23-0523	LF		1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900).....	8.39	2.86
			<i>For Concrete Or Masonry Surface, Add</i>	0.29	
26 05 33 23-0524	EA		1-1/2" Wire Clip (Wiremold #2900WC).....	4.37	1.91
26 05 33 23-0525	EA		Cover Clip (Wiremold #2906).....	5.66	1.91
26 05 33 23-0526	EA		Blank End (Wiremold #2910B).....	7.57	2.86
26 05 33 23-0527	EA		Flat 90 Degree Elbow (Wiremold #2911).....	9.48	3.81
26 05 33 23-0528	EA		Tee (Wiremold #2915).....	13.29	5.72
26 05 33 23-0529	EA		Radiused Flat 90 Degree Elbow (Wiremold #2911FO).....	10.46	3.81
26 05 33 23-0530	EA		Radiused Tee (Wiremold #2915FO).....	14.30	5.72
26 05 33 23-0531	EA		Internal Elbow (Wiremold #2917).....	10.44	4.29
26 05 33 23-0532	EA		Radiused Internal Elbow (Wiremold #2917FO).....	11.46	4.29
26 05 33 23-0533	EA		External Elbow (Wiremold #2918).....	10.43	4.29
26 05 33 23-0534	EA		Radiused External Elbow (Wiremold #2918FO).....	11.74	4.29
26 05 33 23-0535	EA		Drop Ceiling Connector (Wiremold #2986).....	10.60	4.29
26 05 33 23-0536	EA		Reducer, #2900 To #2800 (Wiremold #2989).....	11.78	4.76
26 05 33 23-0537	EA		Reducer, #2900 To #2700 (Wiremold #2989A).....	11.45	4.76
<b>26 05 33 23-0538</b>			<b>Two Piece Surface Non-Metallic Raceways</b>		
			<small>(26 05 33 23-0442)</small>		
			Note: Exposed on flat wall surface. (Wiremold or approved equal).		
<b>26 05 33 23-0539</b>			<b>5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500)</b>		
			<small>(26 05 33 23-0538)</small>		
26 05 33 23-0540	LF		5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B).....	13.36	4.29
			<i>For Concrete Or Masonry Surface, Add</i>	0.43	
26 05 33 23-0541	LF		Black, Gray Or White, Cover (Wiremold #5000C).....	12.63	4.29
26 05 33 23-0542	LF		Oak Veneer, Cover (Wiremold #5000COA).....	25.01	4.29
26 05 33 23-0543	LF		Maple Wood Veneer, Cover (Wiremold #5000CW).....	20.12	4.29
26 05 33 23-0544	LF		Black, Gray Or White, Quarter Round Trim (Wiremold #5000T).....	1.83	0.48
26 05 33 23-0545	LF		Oak Veneer, Quarter Round Trim (Wiremold #5000TOA).....	8.04	0.48
26 05 33 23-0546	LF		Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW).....	4.93	0.48
26 05 33 23-0547	EA		Base Coupling (Wiremold #5001).....	12.05	4.76
26 05 33 23-0548	EA		Blank/Coax Adapter (Wiremold #5004).....	6.85	2.39
26 05 33 23-0549	EA		Low Voltage Blank Plate (Wiremold #5005).....	9.26	2.86
26 05 33 23-0550	EA		Cover Clip (Wiremold #5006).....	13.08	4.76
26 05 33 23-0551	EA		Internal Wire Guard (Wiremold #5006A).....	12.14	4.76
26 05 33 23-0552	EA		Device Bracket (Wiremold #5007C).....	14.08	4.76
26 05 33 23-0553	EA		Device Plate (Wiremold #5007C-1).....	25.21	9.53
26 05 33 23-0554	EA		Deep Device Plate (Wiremold #5007C-2).....	26.21	9.53
26 05 33 23-0555	EA		Right Or Left End Cap (Wiremold #5010).....	21.70	9.06
26 05 33 23-0556	EA		Entrance End Feed (Wiremold #5010A).....	43.07	14.77
26 05 33 23-0557	EA		Internal Base Elbow (Wiremold #5017B).....	29.34	11.92
26 05 33 23-0558	EA		Internal Cover Elbow (Wiremold #5017C).....	26.87	9.53
26 05 33 23-0559	EA		Internal Elbow Wire Guard (Wiremold #5017WG).....	18.20	7.15
26 05 33 23-0560	EA		External Base Elbow (Wiremold #5018B).....	29.28	11.92
26 05 33 23-0561	EA		External Cover Elbow (Wiremold #5018C).....	27.14	9.53
26 05 33 23-0562	EA		External Elbow Wire Guard (Wiremold #5018WG).....	11.87	4.76
<b>26 05 33 23-0563</b>			<b>5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400)</b>		
			<small>(26 05 33 23-0538)</small>		
26 05 33 23-0564	LF		5-1/4" x 1-11/16", Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB).....	14.21	4.29
			<i>For Concrete Or Masonry Surface, Add</i>	0.43	
26 05 33 23-0565	LF		Full Width Cover (Wiremold #5400C).....	5.08	0.48
26 05 33 23-0566	LF		Twin Snap Cover (Wiremold #5400TC).....	3.24	0.48
26 05 33 23-0567	EA		Twin Snap Cover Wire Clips (Wiremold #5400TWC).....	5.36	2.39
26 05 33 23-0568	EA		Cover Clip (Wiremold #5406A).....	9.22	2.86
26 05 33 23-0569	EA		Twin Cover Clip (Wiremold #5406T).....	7.70	2.86
26 05 33 23-0570	EA		Base Seam Clip (Wiremold #5406TB).....	6.85	2.86
26 05 33 23-0571	EA		L Or R (Left Or Right) Transition Fitting (Wiremold #5408).....	52.75	14.77
26 05 33 23-0572	EA		End Cap (Wiremold #5410).....	25.54	9.06
26 05 33 23-0573	EA		Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO).....	50.56	14.77
26 05 33 23-0574	EA		Radiused Flat 90 Degree Elbow (Wiremold #5411FO).....	46.33	11.92
26 05 33 23-0575	EA		Tee Fitting (Wiremold #5415).....	53.29	14.77
26 05 33 23-0576	EA		Radiused Tee Fitting (Wiremold #5415FO).....	55.90	14.77
26 05 33 23-0577	EA		Radiused Internal Elbow (Wiremold #5417FO).....	43.70	14.77
26 05 33 23-0578	EA		External Elbow (Wiremold #5418).....	44.36	14.77
26 05 33 23-0579	EA		Radiused External Elbow (Wiremold #5418FO).....	44.96	14.77
26 05 33 23-0580	EA		5-5/32" x 6" Device Bracket (Wiremold #5450).....	21.51	4.76
26 05 33 23-0581	EA		7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3).....	28.64	4.76
26 05 33 23-0582	EA		2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T).....	16.24	4.76



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0583	EA Transition Fitting (Wiremold #5474).....	46.18	14.77
<b>26 05 33 23-0584</b>	<b>6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500)</b> <small>(26 05 33 23-0538)</small>		
26 05 33 23-0585	LF 6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3).....	17.82	4.29
	<i>For Concrete Or Masonry Surface, Add</i>	<i>0.43</i>	
26 05 33 23-0586	LF Cover (Wiremold #5500C).....	6.62	0.48
26 05 33 23-0587	EA Wire Clips (Wiremold #5500WC).....	6.29	2.39
26 05 33 23-0588	EA Cover Clip (Wiremold #5506).....	10.36	2.86
26 05 33 23-0589	EA Base Seam Clip Fitting (Wiremold #5506B).....	7.23	2.86
26 05 33 23-0590	EA Modular Furniture Adapter (Wiremold #5507AD).....	9.63	2.86
26 05 33 23-0591	EA Blank Faceplate (Wiremold #5507B).....	9.67	2.86
26 05 33 23-0592	EA Duplex Receptacle Faceplate (Wiremold #5507D).....	9.73	2.86
26 05 33 23-0593	EA Dual RJ Connector Faceplate (Wiremold #5507FRJ).....	9.73	2.86
26 05 33 23-0594	EA Rectangular Receptacle Faceplate (Wiremold #5507R).....	9.62	2.86
26 05 33 23-0595	EA Dual RJ Connector Faceplate (Wiremold #5507RJ).....	9.65	2.86
26 05 33 23-0596	EA Rectangular Spacer Fitting (Wiremold #5507S).....	9.57	2.86
26 05 33 23-0597	EA Switch Faceplate (Wiremold #5507SW).....	9.59	2.86
26 05 33 23-0598	EA Twistlock Faceplate (Wiremold #5507T1).....	9.67	2.86
26 05 33 23-0599	EA Single Receptacle Faceplate (Wiremold #5507T2).....	9.46	2.86
26 05 33 23-0600	EA 6-5/8" x 6" Device Bracket (Wiremold #5550).....	25.67	4.76
26 05 33 23-0601	EA 9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4).....	34.75	4.76
26 05 33 23-0602	EA End Cap (Wiremold #5510).....	27.73	9.06
26 05 33 23-0603	EA Entrance End Fitting (Wiremold #5510D).....	57.57	14.77
26 05 33 23-0604	EA Radiused Flat 90 Degree Elbow (Wiremold #5511FO).....	52.75	11.92
26 05 33 23-0605	EA Backfeed Connector (Wiremold #5514A).....	42.03	11.92
26 05 33 23-0606	EA Tee Fitting (Wiremold #5515).....	60.61	14.77
26 05 33 23-0607	EA Radiused Internal Elbow (Wiremold #5517FO).....	48.18	14.77
26 05 33 23-0608	EA External Elbow (Wiremold #5518).....	49.42	14.77
26 05 33 23-0609	EA Radiused External Elbow (Wiremold #5518FO).....	52.04	14.77
26 05 33 23-0610	EA Transition Fitting (Wiremold #5574).....	46.92	14.77
26 05 33 23-0611	EA Transition Fitting (Wiremold #5574A).....	63.89	14.77
<b>26 05 33 23-0612</b>	<b>Hellermann Tyton Non-Metallic Low Voltage Raceways</b> <small>(26 05 33 23-0442)</small>		
	Note: Exposed on flat wall surface.		
<b>26 05 33 23-0613</b>	<b>1-1/4" x 3/4", Non-Metallic Low Voltage Raceways</b> <small>(26 05 33 23-0612)</small>		
26 05 33 23-0614	LF 1-1/4" x 3/4", Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2).....	5.27	2.39
26 05 33 23-0615	EA Splice For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-14).....	6.27	1.43
26 05 33 23-0616	EA Tee For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-21-1).....	14.25	5.25
26 05 33 23-0617	EA Flat 90 Degree Elbow For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-25-1).....	10.44	3.34
26 05 33 23-0618	EA Internal Elbow For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-36).....	11.03	3.81
26 05 33 23-0619	EA External Elbow For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-29-1).....	14.37	3.81
26 05 33 23-0620	EA End Cap For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-36).....	8.17	2.39
26 05 33 23-0621	EA Drop Ceiling Connector For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-50).....	14.13	4.29
<b>26 05 33 23-0622</b>	<b>1-3/4" x 1", Non-Metallic Low Voltage Raceways</b> <small>(26 05 33 23-0612)</small>		
26 05 33 23-0623	LF 1-3/4" x 1", Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3).....	6.45	2.86
26 05 33 23-0624	EA Splice For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-14).....	7.53	1.91
26 05 33 23-0625	EA Tee For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-21-1).....	15.52	5.72
26 05 33 23-0626	EA Flat 90 Degree Elbow For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-25-1).....	11.71	3.81
26 05 33 23-0627	EA Internal Elbow For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-33-1).....	12.67	4.29
26 05 33 23-0628	EA External Elbow For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-29-1).....	15.80	4.29
26 05 33 23-0629	EA End Cap For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-36).....	9.44	2.86
26 05 33 23-0630	EA Drop Ceiling Connector For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-50).....	14.13	4.29
26 05 33 23-0631	EA 1-3/4" To 1-1/4" Reducer For Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR1X-12).....	13.25	4.76
<b>26 05 33 23-0632</b>	<b>Non-Metallic Raceway Junction Boxes</b> <small>(26 05 33 23-0612)</small>		
26 05 33 23-0633	EA 3" x 4-3/4" x 1-1/4", Single Gang, Non-Metallic Raceway Junction Box (Hellermann Tyton TSRX-JB1).....	63.62	26.08
26 05 33 23-0634	EA 3" x 4-3/4" x 2", Single Gang, Non-Metallic Raceway Junction Box (Hellermann Tyton TSRX-JB2).....	65.67	26.08
26 05 33 23-0635	EA 4.91" x 4.83" x 1.25", Double Gang, Non-Metallic Raceway Junction Box (Hellermann Tyton TSRX-JBD).....	72.04	26.08
<b>26 05 33 23-0636</b>	<b>Hubbell Two-Channel Non-Metallic Raceways</b> <small>(26 05 33 23-0442)</small>		
	Note: Exposed on flat wall surface.		
<b>26 05 33 23-0637</b>	<b>2.12" x 1.04", Two-Channel Non-Metallic Raceways</b> <small>(26 05 33 23-0636)</small>		
26 05 33 23-0638	LF 2.12" x 1.04", Two-Channel Non-Metallic Raceway (Hubbell MT8BC7).....	11.11	2.86
26 05 33 23-0639	LF 2.12" x 1.04", Two-Channel Non-Metallic Raceway With Adhesive (Hubbell MT8ABC7).....	11.56	2.86
26 05 33 23-0640	EA Splice Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8SC).....	5.38	1.91
26 05 33 23-0641	EA Tee Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8TCBC).....	21.77	5.72
26 05 33 23-0642	EA Tee Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8TCC).....	8.39	1.91
26 05 33 23-0643	EA Flat 90 Degree Elbow Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8FEBC).....	15.89	3.81
26 05 33 23-0644	EA Flat 90 Degree Elbow Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8FEC).....	7.13	1.91
26 05 33 23-0645	EA Internal Elbow Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8IEBC).....	17.44	4.29
26 05 33 23-0646	EA Internal Elbow Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8IEC).....	7.36	1.91

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0647	EA		External Elbow Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8EEBC) .....	17.89	4.29
26 05 33 23-0648	EA		External Elbow Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8EEC) .....	7.87	1.91
26 05 33 23-0649	EA		End Cap For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8EC) .....	8.47	2.86
26 05 33 23-0650	EA		Conduit Adapter For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8CACF) .....	18.04	4.29
26 05 33 23-0651	EA		Security Strap For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8SS) .....	5.88	1.91
26 05 33 23-0652	EA		Light Fixture Box For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT678FB) .....	31.82	5.72
26 05 33 23-0653	EA		Single Gang Pass-Thru Divider Tunnel For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT678DT1G) .....	16.97	5.72
26 05 33 23-0654	EA		Double Gang Pass-Thru Divider Tunnel For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT678DT2G) .....	23.69	5.72
<b>26 05 33 23-0655</b>			<b>Non-Metallic Raceway Junction Boxes</b> <small>(26 05 33 23-0636)</small>		
26 05 33 23-0656	EA		3.25" x 4.90" x 1.25", Single Gang, Non-Metallic Raceway Junction Box (Hubbell MT678LB) .....	60.87	26.08
26 05 33 23-0657	EA		3.25" x 4.90" x 1.78", Single Gang, Non-Metallic Raceway Junction Box (Hubbell MT678SB) .....	61.61	26.08
26 05 33 23-0658	EA		3.25" x 4.90" x 2.44", Single Gang, Non-Metallic Raceway Junction Box (Hubbell MT678DB) .....	65.45	26.08
26 05 33 23-0659	EA		5.06" x 4.90" x 2.44", Double Gang, Non-Metallic Raceway Junction Box (Hubbell MT678CTGB) .....	66.04	26.08
26 05 33 23-0660	EA		Divided, 5.06" x 4.90" x 2.44", Double Gang, Non-Metallic Raceway Junction Box (Hubbell MT678TGD) .....	74.02	26.08
<b>26 05 33 23-0661</b>			<b>Surface Cable Protection System</b> <small>(26 05 33 23)</small>		
26 05 33 23-0662	EA		35-1/2" Long x 18-9/16" Wide x 3" High, Three Channel, Heavy Duty Polyurethane, Surface Cable Protector (Yellow Jacket® CP-YJHD-3) .....	578.14	
			Note: Modular interlocking design with hinged lid.		
26 05 33 23-0663	EA		35-3/4" Long x 19-3/4" Wide x 1-7/8" High, Five Channel, Heavy Duty Polyurethane, Surface Cable Protector (Yellow Jacket® CP-YJHD-5) .....	435.53	
			Note: Modular interlocking design with hinged lid.		
<b>26 05 36 Cable Trays for Electrical Systems</b>			<small>(26 05)</small>		
<b>26 05 36 00-0001</b>			<b>Cable Trays</b> <small>(26 05 36)</small>		
			Note: Excludes supporting hangers.		
<b>26 05 36 00-0002</b>			<b>Ladder Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-0001)</small>		
<b>26 05 36 00-0003</b>			<b>4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-0002)</small>		
<b>26 05 36 00-0004</b>			<b>4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-0003)</small>		
26 05 36 00-0005	LF		6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	37.25	10.02
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.89	
26 05 36 00-0006	LF		9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	40.28	10.75
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.14	
26 05 36 00-0007	LF		12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	44.04	11.58
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.44	
26 05 36 00-0008	LF		18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	49.16	12.31
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.89	
26 05 36 00-0009	LF		24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	54.13	12.72
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.36	
26 05 36 00-0010	LF		30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	66.10	14.71
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-5.39	
26 05 36 00-0011	LF		36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	74.12	16.79
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-6.02	
<b>26 05 36 00-0012</b>			<b>6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-0003)</small>		
26 05 36 00-0013	LF		6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	35.06	9.81
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.69	
26 05 36 00-0014	LF		9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	37.97	10.43
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.93	
26 05 36 00-0015	LF		12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	40.49	11.37
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.10	
26 05 36 00-0016	LF		18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	44.48	11.99
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.45	
26 05 36 00-0017	LF		24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	48.06	12.41
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.78	
26 05 36 00-0018	LF		30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	56.54	14.29
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.46	
26 05 36 00-0019	LF		36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	61.77	15.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.87	
<b>26 05 36 00-0020</b>			<b>9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-0003)</small>		
26 05 36 00-0021	LF		6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	33.74	9.70
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.57	
26 05 36 00-0022	LF		9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	34.73	10.02
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.64	
26 05 36 00-0023	LF		12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	38.35	10.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.95	
26 05 36 00-0024	LF		18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	42.09	11.16
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0025 LF 24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	45.74 -3.62	11.47
26 05 36 00-0026 LF 30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	49.88 -3.95	12.52
26 05 36 00-0027 LF 36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	53.56 -4.23	13.56
<b>26 05 36 00-0028 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-0003)</small>		
26 05 36 00-0029 LF 6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	32.75 -2.50	9.28
26 05 36 00-0030 LF 9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	33.43 -2.55	9.49
26 05 36 00-0031 LF 12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	35.41 -2.71	10.02
26 05 36 00-0032 LF 18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	37.53 -2.88	10.54
26 05 36 00-0033 LF 24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	39.18 -3.04	10.54
26 05 36 00-0034 LF 30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	43.35 -3.39	11.37
26 05 36 00-0035 LF 36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	45.68 -3.58	11.89
<b>26 05 36 00-0036 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-0003)</small>		
26 05 36 00-0037 LF 6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	32.32 -2.47	9.07
26 05 36 00-0038 LF 9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	32.88 -2.51	9.28
26 05 36 00-0039 LF 12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	34.85 -2.67	9.81
26 05 36 00-0040 LF 18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	36.61 -2.81	10.23
26 05 36 00-0041 LF 24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	37.23 -2.86	10.33
26 05 36 00-0042 LF 30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	39.54 -3.03	11.06
26 05 36 00-0043 LF 36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	41.23 -3.15	11.68
<b>26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-0002)</small>		
<b>26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0046 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	285.40 -19.82	104.63
26 05 36 00-0047 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	318.50 -21.92	119.13
26 05 36 00-0048 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	349.98 -24.02	131.75
26 05 36 00-0049 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	438.38 -30.38	161.47
26 05 36 00-0050 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	499.39 -34.49	185.36
26 05 36 00-0051 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	598.06 -42.42	208.63
26 05 36 00-0052 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	690.09 -49.14	238.45
<b>26 05 36 00-0053 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0054 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	410.55 -31.99	108.80
26 05 36 00-0055 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	444.72 -34.05	125.07

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0056 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	476.88	139.05
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.10	
26 05 36 00-0057 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	552.30	172.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.84	
26 05 36 00-0058 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	617.76	200.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.08	
26 05 36 00-0059 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	687.57	227.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.81	
26 05 36 00-0060 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	805.75	263.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.62	
<b>26 05 36 00-0061 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0062 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	443.41	113.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.87	
26 05 36 00-0063 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	487.31	131.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.77	
26 05 36 00-0064 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	525.88	147.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.31	
26 05 36 00-0065 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	629.85	185.36
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.54	
26 05 36 00-0066 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	715.31	217.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.40	
26 05 36 00-0067 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	840.38	250.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.18	
26 05 36 00-0068 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	952.11	294.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.70	
<b>26 05 36 00-0069 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0070 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	212.73	75.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.96	
<i>For 60 Degree Bend, Deduct</i>	-41.14	
<i>For 30 Degree Bend, Deduct</i>	-72.78	
26 05 36 00-0071 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	241.45	90.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.57	
<i>For 60 Degree Bend, Deduct</i>	-44.83	
<i>For 30 Degree Bend, Deduct</i>	-79.76	
26 05 36 00-0072 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	267.30	104.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.04	
<i>For 60 Degree Bend, Deduct</i>	-48.22	
<i>For 30 Degree Bend, Deduct</i>	-86.16	
26 05 36 00-0073 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	318.42	131.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.86	
<i>For 60 Degree Bend, Deduct</i>	-54.55	
<i>For 30 Degree Bend, Deduct</i>	-98.24	
26 05 36 00-0074 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	396.06	161.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.15	
<i>For 60 Degree Bend, Deduct</i>	-68.80	
<i>For 30 Degree Bend, Deduct</i>	-123.64	
26 05 36 00-0075 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	471.18	185.36
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.67	
<i>For 60 Degree Bend, Deduct</i>	-84.43	
<i>For 30 Degree Bend, Deduct</i>	-151.01	
26 05 36 00-0076 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	531.95	217.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.06	
<i>For 60 Degree Bend, Deduct</i>	-92.12	
<i>For 30 Degree Bend, Deduct</i>	-165.63	
<b>26 05 36 00-0077 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0078 EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	239.63	78.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.45	
<i>For 60 Degree Bend, Deduct</i>	-49.10	
<i>For 30 Degree Bend, Deduct</i>	-86.18	
26 05 36 00-0079 EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	273.55	94.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.50	
<i>For 60 Degree Bend, Deduct</i>	-54.12	
<i>For 30 Degree Bend, Deduct</i>	-95.44	
26 05 36 00-0080 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	311.95	108.90
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.12	
<i>For 60 Degree Bend, Deduct</i>	-61.20	
<i>For 30 Degree Bend, Deduct</i>	-108.05	
26 05 36 00-0081 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	365.81	139.05
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.99	
<i>For 60 Degree Bend, Deduct</i>	-67.40	
<i>For 30 Degree Bend, Deduct</i>	-120.06	
26 05 36 00-0082 EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	450.04	172.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.61	
<i>For 60 Degree Bend, Deduct</i>	-82.31	
<i>For 30 Degree Bend, Deduct</i>	-146.78	
26 05 36 00-0083 EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	527.84	200.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.09	
<i>For 60 Degree Bend, Deduct</i>	-97.39	
<i>For 30 Degree Bend, Deduct</i>	-173.45	
26 05 36 00-0084 EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	619.68	238.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.09	
<i>For 60 Degree Bend, Deduct</i>	-113.06	
<i>For 30 Degree Bend, Deduct</i>	-201.69	
<b>26 05 36 00-0085 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>		
26 05 36 00-0086 EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	291.42	80.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.42	
<i>For 60 Degree Bend, Deduct</i>	-65.23	
<i>For 30 Degree Bend, Deduct</i>	-113.21	
26 05 36 00-0087 EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	329.12	98.05
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.74	
<i>For 60 Degree Bend, Deduct</i>	-71.03	
<i>For 30 Degree Bend, Deduct</i>	-123.83	
26 05 36 00-0088 EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	358.92	113.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.41	
<i>For 60 Degree Bend, Deduct</i>	-74.82	
<i>For 30 Degree Bend, Deduct</i>	-131.03	
26 05 36 00-0089 EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	428.91	147.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.61	
<i>For 60 Degree Bend, Deduct</i>	-85.06	
<i>For 30 Degree Bend, Deduct</i>	-149.96	
26 05 36 00-0090 EA 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	502.91	185.36
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.84	
<i>For 60 Degree Bend, Deduct</i>	-94.90	
<i>For 30 Degree Bend, Deduct</i>	-168.46	
26 05 36 00-0091 EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	613.05	217.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.17	
<i>For 60 Degree Bend, Deduct</i>	-118.89	
<i>For 30 Degree Bend, Deduct</i>	-210.24	
26 05 36 00-0092 EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	717.59	263.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.81	
<i>For 60 Degree Bend, Deduct</i>	-135.83	
<i>For 30 Degree Bend, Deduct</i>	-241.02	
<b>26 05 36 00-0093 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>		
26 05 36 00-0094 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	310.82	104.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.39	
26 05 36 00-0095 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	338.71	119.13
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.94	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0096	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	364.34	131.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-25.46	
26 05 36 00-0097	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	420.24	161.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-28.57	
26 05 36 00-0098	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	466.39	185.36
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-31.19	
26 05 36 00-0099	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	517.71	208.63
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-34.39	
26 05 36 00-0100	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	573.23	238.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-37.48	
<b>26 05 36 00-0101</b>			<b>24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>		
26 05 36 00-0102	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	374.98	108.80
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-28.43	
26 05 36 00-0103	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	406.98	125.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-30.27	
26 05 36 00-0104	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	438.03	139.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-32.21	
26 05 36 00-0105	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	505.07	172.74
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-36.12	
26 05 36 00-0106	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	562.16	200.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-39.52	
26 05 36 00-0107	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	619.88	227.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-43.04	
26 05 36 00-0108	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	709.78	263.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-49.03	
<b>26 05 36 00-0109</b>			<b>36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>		
26 05 36 00-0110	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	450.84	113.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-35.61	
26 05 36 00-0111	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	490.27	131.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-38.05	
26 05 36 00-0112	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	519.46	147.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-39.67	
26 05 36 00-0113	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	604.92	185.36
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-45.04	
26 05 36 00-0114	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	661.79	217.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-48.04	
26 05 36 00-0115	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	757.27	250.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-54.87	
26 05 36 00-0116	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	852.25	294.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-60.72	
<b>26 05 36 00-0117</b>			<b>12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>		
26 05 36 00-0118	EA		6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	553.28	200.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-38.63	
26 05 36 00-0119	EA		9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	598.44	217.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-41.71	
26 05 36 00-0120	EA		12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	627.88	227.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-43.84	
26 05 36 00-0121	EA		18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	702.11	250.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-49.35	
26 05 36 00-0122	EA		24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	797.17	277.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-56.56	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0123 EA 30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	890.58	294.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.50	
26 05 36 00-0124 EA 36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,007.89	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.99	
<b>26 05 36 00-0125 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)</b>		
26 05 36 00-0126 EA 6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	706.50	217.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.52	
26 05 36 00-0127 EA 9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	757.71	238.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.89	
26 05 36 00-0128 EA 12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	790.51	250.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.19	
26 05 36 00-0129 EA 18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	865.93	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.43	
26 05 36 00-0130 EA 24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	960.32	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.95	
26 05 36 00-0131 EA 30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,034.08	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.61	
26 05 36 00-0132 EA 36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,254.61	385.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.35	
<b>26 05 36 00-0133 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)</b>		
26 05 36 00-0134 EA 6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	911.60	238.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.28	
26 05 36 00-0135 EA 9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	972.74	263.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.32	
26 05 36 00-0136 EA 12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,032.92	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.13	
26 05 36 00-0137 EA 18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,133.86	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.31	
26 05 36 00-0138 EA 24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,286.26	357.27
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.86	
26 05 36 00-0139 EA 30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,395.41	385.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.43	
26 05 36 00-0140 EA 36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,566.84	454.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.78	
<b>26 05 36 00-0141 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)</b>		
26 05 36 00-0142 EA 6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	682.24	185.36
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.78	
26 05 36 00-0143 EA 9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	697.70	192.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.71	
26 05 36 00-0144 EA 12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	713.72	200.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.68	
26 05 36 00-0145 EA 18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	749.06	217.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.77	
26 05 36 00-0146 EA 24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	771.95	227.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.24	
26 05 36 00-0147 EA 30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	836.36	250.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.77	
26 05 36 00-0148 EA 36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	898.68	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.71	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 36 00-0149	24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0150	EA 6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,008.41	200.38
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.15	
26 05 36 00-0151	EA 9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,032.04	208.63
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.82	
26 05 36 00-0152	EA 12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,056.85	217.59
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.55	
26 05 36 00-0153	EA 18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,111.34	238.56
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.26	
26 05 36 00-0154	EA 24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,150.69	250.34
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.21	
26 05 36 00-0155	EA 30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,216.29	277.88
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.47	
26 05 36 00-0156	EA 36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,307.40	312.93
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.66	
26 05 36 00-0157	36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0158	EA 6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,623.31	217.59
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-144.20	
26 05 36 00-0159	EA 9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,656.02	227.39
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-146.65	
26 05 36 00-0160	EA 12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,690.89	238.56
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-149.21	
26 05 36 00-0161	EA 18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,748.75	263.39
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-152.92	
26 05 36 00-0162	EA 24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,789.30	277.88
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-155.77	
26 05 36 00-0163	EA 30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,896.78	312.93
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-163.60	
26 05 36 00-0164	EA 36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,986.97	357.27
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-168.93	
26 05 36 00-0165	12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0166	EA 6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	689.01	250.34
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.04	
26 05 36 00-0167	EA 9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	723.89	263.39
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.44	
26 05 36 00-0168	EA 12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	774.25	277.88
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.27	
26 05 36 00-0169	EA 18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	831.64	294.68
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.61	
26 05 36 00-0170	EA 24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	935.85	333.59
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.78	
26 05 36 00-0171	EA 30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,050.51	357.27
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.28	
26 05 36 00-0172	EA 36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,149.83	385.43
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.87	
26 05 36 00-0173	24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0174	EA 6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	990.36	277.88
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.88	
26 05 36 00-0175	EA 9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,034.65	294.68
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0176 EA 12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,081.47	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.07	
26 05 36 00-0177 EA 18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,151.96	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.39	
26 05 36 00-0178 EA 24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,277.53	385.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.64	
26 05 36 00-0179 EA 30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,373.20	417.24
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.55	
26 05 36 00-0180 EA 36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,543.92	454.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.49	
<b>26 05 36 00-0181 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0182 EA 6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,258.29	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.75	
26 05 36 00-0183 EA 9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,325.50	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.75	
26 05 36 00-0184 EA 12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,397.59	357.27
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.99	
26 05 36 00-0185 EA 18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,526.38	385.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-120.52	
26 05 36 00-0186 EA 24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,740.38	454.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-136.13	
26 05 36 00-0187 EA 30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,897.32	499.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-148.07	
26 05 36 00-0188 EA 36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,074.05	556.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-161.00	
<b>26 05 36 00-0189 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0190 EA 6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	811.31	250.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.27	
26 05 36 00-0191 EA 9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	852.23	263.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.26	
26 05 36 00-0192 EA 12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	914.15	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.26	
26 05 36 00-0193 EA 18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	985.06	294.79
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.94	
26 05 36 00-0194 EA 24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,106.77	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.88	
26 05 36 00-0195 EA 30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,255.60	357.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.78	
26 05 36 00-0196 EA 36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,377.43	384.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.67	
<b>26 05 36 00-0197 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0198 EA 6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,227.58	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.60	
26 05 36 00-0199 EA 9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,279.24	294.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.37	
26 05 36 00-0200 EA 12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,333.43	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.27	
26 05 36 00-0201 EA 18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,420.13	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.21	
26 05 36 00-0202 EA 24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,563.38	385.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-124.22	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0203 EA 30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,678.20	417.24
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-133.05	
26 05 36 00-0204 EA 36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,897.55	454.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-151.85	
<b>26 05 36 00-0205 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0206 EA 6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,589.81	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-132.90	
26 05 36 00-0207 EA 9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,671.76	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-139.37	
26 05 36 00-0208 EA 12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,758.59	357.27
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-146.09	
26 05 36 00-0209 EA 18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,924.21	385.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-160.31	
26 05 36 00-0210 EA 24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,182.42	454.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-180.34	
26 05 36 00-0211 EA 30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,376.19	499.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-195.96	
26 05 36 00-0212 EA 36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,589.76	556.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-212.57	
<b>26 05 36 00-0213 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-0002)</small>		
<b>26 05 36 00-0214 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0215 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	269.53	104.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.24	
26 05 36 00-0216 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	301.37	119.13
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.21	
26 05 36 00-0217 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	331.34	131.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.16	
26 05 36 00-0218 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	414.20	161.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.96	
26 05 36 00-0219 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	472.18	185.36
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.77	
26 05 36 00-0220 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	562.29	208.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.84	
26 05 36 00-0221 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	648.27	238.45
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.96	
<b>26 05 36 00-0222 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0223 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	377.81	108.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.71	
26 05 36 00-0224 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	410.97	125.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.67	
26 05 36 00-0225 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	441.87	139.05
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.60	
26 05 36 00-0226 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	514.51	172.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.06	
26 05 36 00-0227 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	577.21	200.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.03	
26 05 36 00-0228 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	643.50	227.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.40	
26 05 36 00-0229 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	753.36	263.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-0230</b> <b>36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0231    EA    6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	407.14	113.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.24	
26 05 36 00-0232    EA    9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	449.03	131.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.94	
26 05 36 00-0233    EA    12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	485.84	147.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.31	
26 05 36 00-0234    EA    18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	584.01	185.36
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.95	
26 05 36 00-0235    EA    24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	664.94	217.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.36	
26 05 36 00-0236    EA    30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	779.94	250.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.13	
26 05 36 00-0237    EA    36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	886.12	294.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.10	
<b>26 05 36 00-0238</b> <b>12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0239    EA    6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	200.39	75.83
For 60 Degree Bend, Deduct	-37.07	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.72	
For 30 Degree Bend, Deduct	-66.00	
26 05 36 00-0240    EA    9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	228.60	90.96
For 60 Degree Bend, Deduct	-40.59	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.28	
For 30 Degree Bend, Deduct	-72.69	
26 05 36 00-0241    EA    12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	253.96	104.31
For 60 Degree Bend, Deduct	-43.82	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.70	
For 30 Degree Bend, Deduct	-78.83	
26 05 36 00-0242    EA    18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	304.32	131.85
For 60 Degree Bend, Deduct	-49.90	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.45	
For 30 Degree Bend, Deduct	-90.48	
26 05 36 00-0243    EA    24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	377.93	161.47
For 60 Degree Bend, Deduct	-62.82	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.34	
For 30 Degree Bend, Deduct	-113.67	
26 05 36 00-0244    EA    30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	448.00	185.36
For 60 Degree Bend, Deduct	-76.78	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.35	
For 30 Degree Bend, Deduct	-138.26	
26 05 36 00-0245    EA    36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	507.77	217.59
For 60 Degree Bend, Deduct	-84.15	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.64	
For 30 Degree Bend, Deduct	-152.33	
<b>26 05 36 00-0246</b> <b>24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0247    EA    6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	224.02	78.23
For 60 Degree Bend, Deduct	-43.95	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.89	
For 30 Degree Bend, Deduct	-77.60	
26 05 36 00-0248    EA    9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	256.93	94.30
For 60 Degree Bend, Deduct	-48.63	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.83	
For 30 Degree Bend, Deduct	-86.30	
26 05 36 00-0249    EA    12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	293.31	108.90
For 60 Degree Bend, Deduct	-55.05	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.26	
For 30 Degree Bend, Deduct	-97.80	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0250	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	346.66	139.05
			<i>For 60 Degree Bend, Deduct</i> .....	-61.08	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-23.08	
			<i>For 30 Degree Bend, Deduct</i> .....	-109.53	
26 05 36 00-0251	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	426.86	172.74
			<i>For 60 Degree Bend, Deduct</i> .....	-74.66	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-28.29	
			<i>For 30 Degree Bend, Deduct</i> .....	-134.03	
26 05 36 00-0252	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	500.14	200.38
			<i>For 60 Degree Bend, Deduct</i> .....	-88.25	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-33.32	
			<i>For 30 Degree Bend, Deduct</i> .....	-158.21	
26 05 36 00-0253	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	587.95	238.56
			<i>For 60 Degree Bend, Deduct</i> .....	-102.59	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-38.92	
			<i>For 30 Degree Bend, Deduct</i> .....	-184.24	
<b>26 05 36 00-0254</b>			<b>36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0255	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	269.00	80.74
			<i>For 60 Degree Bend, Deduct</i> .....	-57.84	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-20.18	
			<i>For 30 Degree Bend, Deduct</i> .....	-100.88	
26 05 36 00-0256	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	305.45	98.05
			<i>For 60 Degree Bend, Deduct</i> .....	-63.22	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-22.38	
			<i>For 30 Degree Bend, Deduct</i> .....	-110.81	
26 05 36 00-0257	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	334.74	113.80
			<i>For 60 Degree Bend, Deduct</i> .....	-66.84	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-23.99	
			<i>For 30 Degree Bend, Deduct</i> .....	-117.73	
26 05 36 00-0258	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	402.72	147.29
			<i>For 60 Degree Bend, Deduct</i> .....	-76.42	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-27.99	
			<i>For 30 Degree Bend, Deduct</i> .....	-135.55	
26 05 36 00-0259	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	475.21	185.36
			<i>For 60 Degree Bend, Deduct</i> .....	-85.76	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-32.07	
			<i>For 30 Degree Bend, Deduct</i> .....	-153.23	
26 05 36 00-0260	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	577.28	217.59
			<i>For 60 Degree Bend, Deduct</i> .....	-107.08	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-39.59	
			<i>For 30 Degree Bend, Deduct</i> .....	-190.56	
26 05 36 00-0261	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	677.79	263.39
			<i>For 60 Degree Bend, Deduct</i> .....	-122.70	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-45.83	
			<i>For 30 Degree Bend, Deduct</i> .....	-219.13	
<b>26 05 36 00-0262</b>			<b>12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0263	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	299.86	104.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-21.29	
26 05 36 00-0264	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	327.51	119.13
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-22.82	
26 05 36 00-0265	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	352.75	131.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-24.30	
26 05 36 00-0266	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	408.15	161.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-27.36	
26 05 36 00-0267	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	453.80	185.36
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-29.93	
26 05 36 00-0268	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	504.11	208.63
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-33.03	
26 05 36 00-0269	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	559.13	238.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-36.07	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0270				<b>24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0271	EA			6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	359.49	108.80
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.88	
26 05 36 00-0272	EA			9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	391.11	125.17
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.68	
26 05 36 00-0273	EA			12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	421.53	139.05
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.56	
26 05 36 00-0274	EA			18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	487.69	172.74
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.38	
26 05 36 00-0275	EA			24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	543.90	200.38
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.70	
26 05 36 00-0276	EA			30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	600.61	227.39
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.11	
26 05 36 00-0277	EA			36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	688.12	263.39
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.86	
26 05 36 00-0278				<b>36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0279	EA			6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	429.93	113.70
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.52	
26 05 36 00-0280	EA			9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	468.61	131.75
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.89	
26 05 36 00-0281	EA			12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	497.55	147.29
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.48	
26 05 36 00-0282	EA			18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	581.24	185.36
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.68	
26 05 36 00-0283	EA			24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	637.86	217.59
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.65	
26 05 36 00-0284	EA			30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	730.06	250.34
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.14	
26 05 36 00-0285	EA			36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	823.28	294.16
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.82	
26 05 36 00-0286				<b>12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0287	EA			6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	536.41	200.38
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.95	
26 05 36 00-0288	EA			9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	580.31	217.59
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.90	
26 05 36 00-0289	EA			12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	608.74	227.39
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.92	
26 05 36 00-0290	EA			18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	680.19	250.34
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.16	
26 05 36 00-0291	EA			24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	771.48	277.88
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.99	
26 05 36 00-0292	EA			30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	859.85	294.68
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.43	
26 05 36 00-0293	EA			36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	973.13	333.59
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.51	
26 05 36 00-0294				<b>24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0295	EA			6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	680.05	217.59
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.87	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0296	EA		9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	730.00	238.56
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-53.12	
26 05 36 00-0297	EA		12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	761.80	250.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-55.32	
26 05 36 00-0298	EA		18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	834.95	277.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-60.34	
26 05 36 00-0299	EA		24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	926.57	312.93
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-66.58	
26 05 36 00-0300	EA		30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	997.31	333.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-71.93	
26 05 36 00-0301	EA		36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,207.51	385.43
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-88.64	
<b>26 05 36 00-0302</b>			<b>36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0303	EA		6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	872.06	238.56
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-67.33	
26 05 36 00-0304	EA		9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	931.68	263.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-71.22	
26 05 36 00-0305	EA		12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	989.10	277.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-75.75	
26 05 36 00-0306	EA		18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,086.76	312.93
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-82.60	
26 05 36 00-0307	EA		24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,233.12	357.27
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-93.54	
26 05 36 00-0308	EA		30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,337.48	385.43
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-101.63	
26 05 36 00-0309	EA		36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,504.63	454.80
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-112.56	
<b>26 05 36 00-0310</b>			<b>12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0311	EA		6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	653.53	185.36
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-49.90	
26 05 36 00-0312	EA		9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	668.73	192.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-50.82	
26 05 36 00-0313	EA		12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	684.51	200.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-51.76	
26 05 36 00-0314	EA		18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	719.34	217.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-53.80	
26 05 36 00-0315	EA		24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	741.73	227.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-55.22	
26 05 36 00-0316	EA		30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	804.12	250.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-59.55	
26 05 36 00-0317	EA		36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	865.18	277.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-63.36	
<b>26 05 36 00-0318</b>			<b>24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0319	EA		6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	956.53	200.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-78.96	
26 05 36 00-0320	EA		9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	979.40	208.63
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-80.56	
26 05 36 00-0321	EA		12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,003.45	217.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-82.21	
26 05 36 00-0322	EA		18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,056.43	238.56
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-85.77	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0323 EA 24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,094.27	250.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.57	
26 05 36 00-0324 EA 30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,158.36	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.68	
26 05 36 00-0325 EA 36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,246.95	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.62	
<b>26 05 36 00-0326 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-02 13)</small>		
26 05 36 00-0327 EA 6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,526.34	217.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-134.50	
26 05 36 00-0328 EA 9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,557.79	227.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-136.83	
26 05 36 00-0329 EA 12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,591.40	238.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-139.26	
26 05 36 00-0330 EA 18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,648.01	263.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-142.85	
26 05 36 00-0331 EA 24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,687.29	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-145.57	
26 05 36 00-0332 EA 30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,790.99	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-153.02	
26 05 36 00-0333 EA 36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,879.93	357.27
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-158.22	
<b>26 05 36 00-0334 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-02 13)</small>		
26 05 36 00-0335 EA 6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	668.10	250.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.95	
26 05 36 00-0336 EA 9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	701.97	263.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.25	
26 05 36 00-0337 EA 12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	750.32	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.87	
26 05 36 00-0338 EA 18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	805.45	294.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.99	
26 05 36 00-0339 EA 24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	906.64	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.86	
26 05 36 00-0340 EA 30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,015.50	357.27
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.78	
26 05 36 00-0341 EA 36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,110.79	385.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.96	
<b>26 05 36 00-0342 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-02 13)</small>		
26 05 36 00-0343 EA 6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	949.81	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.82	
26 05 36 00-0344 EA 9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	992.84	294.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.73	
26 05 36 00-0345 EA 12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,038.40	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.76	
26 05 36 00-0346 EA 18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,106.12	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.81	
26 05 36 00-0347 EA 24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,228.67	385.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.75	
26 05 36 00-0348 EA 30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,321.06	417.24
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.34	
26 05 36 00-0349 EA 36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,483.47	454.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.44	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 36 00-0350		<b>36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0351	EA	6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,201.61	312.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.08	
26 05 36 00-0352	EA	9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,266.31	333.59
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.83	
26 05 36 00-0353	EA	12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,335.88	357.27
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.82	
26 05 36 00-0354	EA	18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,458.38	385.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.72	
26 05 36 00-0355	EA	24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,664.82	454.80
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-128.58	
26 05 36 00-0356	EA	30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,815.46	499.86
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-139.89	
26 05 36 00-0357	EA	36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,985.89	556.81
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-152.19	
26 05 36 00-0358		<b>12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0359	EA	6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	780.99	250.34
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.24	
26 05 36 00-0360	EA	9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	820.45	263.49
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.09	
26 05 36 00-0361	EA	12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	879.45	277.88
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.79	
26 05 36 00-0362	EA	18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	947.08	294.79
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.14	
26 05 36 00-0363	EA	24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,064.41	333.59
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.64	
26 05 36 00-0364	EA	30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,204.84	357.37
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.70	
26 05 36 00-0365	EA	36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,320.82	384.91
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.01	
26 05 36 00-0366		<b>24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0367	EA	6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,168.78	277.88
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.72	
26 05 36 00-0368	EA	9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,218.62	294.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.31	
26 05 36 00-0369	EA	12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,270.98	312.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.02	
26 05 36 00-0370	EA	18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,353.66	333.59
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.56	
26 05 36 00-0371	EA	24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,492.53	385.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.14	
26 05 36 00-0372	EA	30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,602.60	417.24
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-125.49	
26 05 36 00-0373	EA	36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,809.90	454.80
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-143.09	
26 05 36 00-0374		<b>36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0375	EA	6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,507.64	312.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-124.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0376 EA 9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,585.93	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-130.79	
26 05 36 00-0377 EA 12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,669.11	357.27
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-137.14	
26 05 36 00-0378 EA 18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,825.60	385.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-150.44	
26 05 36 00-0379 EA 24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,072.85	454.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-169.38	
26 05 36 00-0380 EA 30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,257.50	499.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-184.09	
26 05 36 00-0381 EA 36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,461.93	556.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-199.79	
<b>26 05 36 00-0382 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-0002)</small>		
<b>26 05 36 00-0383 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0384 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	253.66	104.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.65	
26 05 36 00-0385 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	284.25	119.13
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.49	
26 05 36 00-0386 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	312.70	131.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.29	
26 05 36 00-0387 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	390.02	161.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.55	
26 05 36 00-0388 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	444.98	185.36
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.05	
26 05 36 00-0389 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	526.53	208.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.27	
26 05 36 00-0390 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	606.46	238.45
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.78	
<b>26 05 36 00-0391 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0392 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	345.07	108.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.44	
26 05 36 00-0393 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	377.21	125.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.30	
26 05 36 00-0394 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	406.86	139.05
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.10	
26 05 36 00-0395 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	476.73	172.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.28	
26 05 36 00-0396 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	536.66	200.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.97	
26 05 36 00-0397 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	599.42	227.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.99	
26 05 36 00-0398 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	700.97	263.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.15	
<b>26 05 36 00-0399 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0400 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	370.87	113.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.61	
26 05 36 00-0401 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	410.74	131.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.11	
26 05 36 00-0402 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	445.79	147.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.30	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 36 Cable Trays for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0403	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....538.17		185.36
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.37	
26 05 36 00-0404	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....614.56		217.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.32	
26 05 36 00-0405	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....719.49		250.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.09	
26 05 36 00-0406	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....820.13		294.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.50	
<b>26 05 36 00-0407</b>			<b>12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0408	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....188.05		75.83
			<i>For 30 Degree Bend, Deduct</i>	-59.21	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.49	
			<i>For 60 Degree Bend, Deduct</i>	-33.00	
26 05 36 00-0409	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....215.76		90.96
			<i>For 30 Degree Bend, Deduct</i>	-65.63	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.00	
			<i>For 60 Degree Bend, Deduct</i>	-36.35	
26 05 36 00-0410	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....240.61		104.31
			<i>For 30 Degree Bend, Deduct</i>	-71.48	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.37	
			<i>For 60 Degree Bend, Deduct</i>	-39.41	
26 05 36 00-0411	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....290.21		131.85
			<i>For 30 Degree Bend, Deduct</i>	-82.72	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.04	
			<i>For 60 Degree Bend, Deduct</i>	-45.24	
26 05 36 00-0412	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....359.79		161.47
			<i>For 30 Degree Bend, Deduct</i>	-103.69	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.52	
			<i>For 60 Degree Bend, Deduct</i>	-56.83	
26 05 36 00-0413	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....424.83		185.36
			<i>For 30 Degree Bend, Deduct</i>	-125.52	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.03	
			<i>For 60 Degree Bend, Deduct</i>	-69.13	
26 05 36 00-0414	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....483.59		217.59
			<i>For 30 Degree Bend, Deduct</i>	-139.03	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.22	
			<i>For 60 Degree Bend, Deduct</i>	-76.17	
<b>26 05 36 00-0415</b>			<b>24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0416	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....208.40		78.23
			<i>For 30 Degree Bend, Deduct</i>	-69.01	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.32	
			<i>For 60 Degree Bend, Deduct</i>	-38.80	
26 05 36 00-0417	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....240.31		94.30
			<i>For 30 Degree Bend, Deduct</i>	-77.15	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.17	
			<i>For 60 Degree Bend, Deduct</i>	-43.15	
26 05 36 00-0418	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....274.67		108.90
			<i>For 30 Degree Bend, Deduct</i>	-87.55	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.39	
			<i>For 60 Degree Bend, Deduct</i>	-48.90	
26 05 36 00-0419	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....327.52		139.05
			<i>For 30 Degree Bend, Deduct</i>	-99.00	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.16	
			<i>For 60 Degree Bend, Deduct</i>	-54.77	
26 05 36 00-0420	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....403.69		172.74
			<i>For 30 Degree Bend, Deduct</i>	-121.29	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.98	
			<i>For 60 Degree Bend, Deduct</i>	-67.02	
26 05 36 00-0421	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....472.43		200.38
			<i>For 30 Degree Bend, Deduct</i>	-142.97	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.55	
			<i>For 60 Degree Bend, Deduct</i>	-79.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0422 EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	556.21	238.56
<i>For 30 Degree Bend, Deduct</i>	-166.78	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.74	
<i>For 60 Degree Bend, Deduct</i>	-92.12	
<b>26 05 36 00-0423 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)</b>		
26 05 36 00-0424 EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	246.58	80.74
<i>For 30 Degree Bend, Deduct</i>	-88.54	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.93	
<i>For 60 Degree Bend, Deduct</i>	-50.44	
26 05 36 00-0425 EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	281.77	98.05
<i>For 30 Degree Bend, Deduct</i>	-97.79	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.01	
<i>For 60 Degree Bend, Deduct</i>	-55.40	
26 05 36 00-0426 EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	310.56	113.80
<i>For 30 Degree Bend, Deduct</i>	-104.43	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.57	
<i>For 60 Degree Bend, Deduct</i>	-58.86	
26 05 36 00-0427 EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	376.52	147.29
<i>For 30 Degree Bend, Deduct</i>	-121.14	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.37	
<i>For 60 Degree Bend, Deduct</i>	-67.78	
26 05 36 00-0428 EA 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	447.50	185.36
<i>For 30 Degree Bend, Deduct</i>	-137.99	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.30	
<i>For 60 Degree Bend, Deduct</i>	-76.61	
26 05 36 00-0429 EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	541.52	217.59
<i>For 30 Degree Bend, Deduct</i>	-170.89	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.02	
<i>For 60 Degree Bend, Deduct</i>	-95.28	
26 05 36 00-0430 EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	638.00	263.39
<i>For 30 Degree Bend, Deduct</i>	-197.24	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.85	
<i>For 60 Degree Bend, Deduct</i>	-109.57	
<b>26 05 36 00-0431 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)</b>		
26 05 36 00-0432 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	283.42	104.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.65	
26 05 36 00-0433 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	310.69	119.13
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.14	
26 05 36 00-0434 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	335.37	131.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.56	
26 05 36 00-0435 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	390.02	161.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.55	
26 05 36 00-0436 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	434.91	185.36
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.04	
26 05 36 00-0437 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	483.71	208.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.99	
26 05 36 00-0438 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	537.97	238.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.95	
<b>26 05 36 00-0439 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)</b>		
26 05 36 00-0440 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	336.25	108.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.56	
26 05 36 00-0441 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	367.31	125.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.30	
26 05 36 00-0442 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	396.79	139.05
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.09	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0443 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	461.62	172.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.77	
26 05 36 00-0444 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	516.51	200.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.96	
26 05 36 00-0445 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	571.71	227.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.22	
26 05 36 00-0446 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	655.63	263.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.61	
<b>26 05 36 00-0447 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0448 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	398.57	113.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.38	
26 05 36 00-0449 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	436.12	131.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.64	
26 05 36 00-0450 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	464.68	147.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.19	
26 05 36 00-0451 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	545.73	185.36
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.12	
26 05 36 00-0452 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	601.97	217.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.06	
26 05 36 00-0453 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	689.26	250.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.06	
26 05 36 00-0454 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	779.83	294.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.47	
<b>26 05 36 00-0455 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0456 EA 6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	502.65	200.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.57	
26 05 36 00-0457 EA 9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	544.04	217.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.27	
26 05 36 00-0458 EA 12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	570.45	227.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.09	
26 05 36 00-0459 EA 18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	636.37	250.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.78	
26 05 36 00-0460 EA 24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	720.10	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.85	
26 05 36 00-0461 EA 30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	798.39	294.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.28	
26 05 36 00-0462 EA 36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	903.61	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.56	
<b>26 05 36 00-0463 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0464 EA 6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	627.16	217.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.58	
26 05 36 00-0465 EA 9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	674.59	238.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.58	
26 05 36 00-0466 EA 12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	704.37	250.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.58	
26 05 36 00-0467 EA 18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	772.99	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.14	
26 05 36 00-0468 EA 24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	859.07	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.83	
26 05 36 00-0469 EA 30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	923.76	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0470 EA 36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,113.31	385.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.22	
<b>26 05 36 00-0471 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0472 EA 6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	792.97	238.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.42	
26 05 36 00-0473 EA 9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	849.57	263.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.01	
26 05 36 00-0474 EA 12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	901.45	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.99	
26 05 36 00-0475 EA 18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	992.56	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.18	
26 05 36 00-0476 EA 24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,126.83	357.27
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.91	
26 05 36 00-0477 EA 30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,221.62	385.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.05	
26 05 36 00-0478 EA 36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,380.20	454.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.12	
<b>26 05 36 00-0479 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0480 EA 6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	596.10	185.36
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.16	
26 05 36 00-0481 EA 9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	610.80	192.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.02	
26 05 36 00-0482 EA 12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	626.07	200.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.91	
26 05 36 00-0483 EA 18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	659.90	217.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.86	
26 05 36 00-0484 EA 24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	681.28	227.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.18	
26 05 36 00-0485 EA 30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	739.64	250.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.10	
26 05 36 00-0486 EA 36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	798.18	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.66	
<b>26 05 36 00-0487 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0488 EA 6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	852.76	200.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.58	
26 05 36 00-0489 EA 9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	874.11	208.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.03	
26 05 36 00-0490 EA 12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	896.66	217.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.53	
26 05 36 00-0491 EA 18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	946.61	238.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.78	
26 05 36 00-0492 EA 24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	981.43	250.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.28	
26 05 36 00-0493 EA 30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,042.50	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.09	
26 05 36 00-0494 EA 36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,126.05	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.53	
<b>26 05 36 00-0495 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0496 EA 6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,332.40	217.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.11	
26 05 36 00-0497 EA 9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,361.33	227.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.18	
26 05 36 00-0498 EA 12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,392.42	238.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-119.37	
26 05 36 00-0499 EA 18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,446.51	263.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-122.70	
26 05 36 00-0500 EA 24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,483.27	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-125.17	
26 05 36 00-0501 EA 30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,579.42	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-131.86	
26 05 36 00-0502 EA 36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,665.84	357.27
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-136.82	
<b>26 05 36 00-0503 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0504 EA 6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	626.29	250.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.77	
26 05 36 00-0505 EA 9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	658.15	263.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.86	
26 05 36 00-0506 EA 12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	702.47	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.09	
26 05 36 00-0507 EA 18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	753.06	294.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.75	
26 05 36 00-0508 EA 24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	848.20	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.02	
26 05 36 00-0509 EA 30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	945.48	357.27
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.78	
26 05 36 00-0510 EA 36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,032.71	385.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.16	
<b>26 05 36 00-0511 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0512 EA 6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	868.70	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.71	
26 05 36 00-0513 EA 9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	909.22	294.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.37	
26 05 36 00-0514 EA 12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	952.26	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.15	
26 05 36 00-0515 EA 18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,014.44	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.64	
26 05 36 00-0516 EA 24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,130.94	385.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.98	
26 05 36 00-0517 EA 30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,216.79	417.24
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.91	
26 05 36 00-0518 EA 36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,362.57	454.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.35	
<b>26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0520 EA 6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,088.27	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.75	
26 05 36 00-0521 EA 9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,147.93	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.99	
26 05 36 00-0522 EA 12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,212.47	357.27
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.48	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0523 EA 18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,322.36	385.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.12	
26 05 36 00-0524 EA 24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,513.70	454.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.47	
26 05 36 00-0525 EA 30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,651.74	499.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-123.52	
26 05 36 00-0526 EA 36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,809.58	556.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-134.56	
<b>26 05 36 00-0527 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0528 EA 6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	720.37	250.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.18	
26 05 36 00-0529 EA 9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	756.91	263.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.73	
26 05 36 00-0530 EA 12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	810.06	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.85	
26 05 36 00-0531 EA 18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	871.11	294.79
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.55	
26 05 36 00-0532 EA 24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	979.68	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.17	
26 05 36 00-0533 EA 30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,103.31	357.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.55	
26 05 36 00-0534 EA 36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,207.60	384.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.68	
<b>26 05 36 00-0535 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0536 EA 6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,051.19	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.96	
26 05 36 00-0537 EA 9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,097.37	294.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.18	
26 05 36 00-0538 EA 12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,146.08	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.53	
26 05 36 00-0539 EA 18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,220.72	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.27	
26 05 36 00-0540 EA 24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,350.83	385.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.97	
26 05 36 00-0541 EA 30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,451.40	417.24
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.37	
26 05 36 00-0542 EA 36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,634.59	454.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-125.56	
<b>26 05 36 00-0543 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0544 EA 6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,343.29	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.25	
26 05 36 00-0545 EA 9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,414.28	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.63	
26 05 36 00-0546 EA 12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,490.16	357.27
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-119.25	
26 05 36 00-0547 EA 18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,628.39	385.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-130.72	
26 05 36 00-0548 EA 24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,853.72	454.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-147.47	
26 05 36 00-0549 EA 30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,020.11	499.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-160.35	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0550 EA 36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,206.28 -174.23	556.81
<b>26 05 36 00-0551 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small></b>		
<b>26 05 36 00-0552 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small></b>		
26 05 36 00-0553 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	248.11 -16.10	104.63
26 05 36 00-0554 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	278.25 -17.89	119.13
26 05 36 00-0555 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	306.18 -19.64	131.75
26 05 36 00-0556 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	381.56 -24.70	161.47
26 05 36 00-0557 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	435.46 -28.10	185.36
26 05 36 00-0558 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	514.01 -34.02	208.63
26 05 36 00-0559 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	591.83 -39.31	238.45
<b>26 05 36 00-0560 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small></b>		
26 05 36 00-0561 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	333.61 -24.29	108.80
26 05 36 00-0562 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	365.40 -26.12	125.07
26 05 36 00-0563 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	394.61 -27.87	139.05
26 05 36 00-0564 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	463.51 -31.96	172.74
26 05 36 00-0565 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	522.46 -35.55	200.38
26 05 36 00-0566 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	583.99 -39.45	227.39
26 05 36 00-0567 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	682.63 -46.31	263.39
<b>26 05 36 00-0568 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small></b>		
26 05 36 00-0569 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	358.17 -26.34	113.70
26 05 36 00-0570 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	397.34 -28.77	131.64
26 05 36 00-0571 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	431.77 -30.90	147.29
26 05 36 00-0572 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	522.13 -36.76	185.36
26 05 36 00-0573 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	596.93 -41.56	217.59
26 05 36 00-0574 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	698.33 -48.97	250.34
26 05 36 00-0575 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	797.04 -55.20	294.16



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0576				<b>12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0577	EA			6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	183.73	75.83
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.06	
				<i>For 60 Degree Bend, Deduct</i>	-31.57	
				<i>For 30 Degree Bend, Deduct</i>	-56.83	
26 05 36 00-0578	EA			9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	211.26	90.96
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.55	
				<i>For 60 Degree Bend, Deduct</i>	-34.86	
				<i>For 30 Degree Bend, Deduct</i>	-63.16	
26 05 36 00-0579	EA			12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	235.93	104.31
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.90	
				<i>For 60 Degree Bend, Deduct</i>	-37.87	
				<i>For 30 Degree Bend, Deduct</i>	-68.91	
26 05 36 00-0580	EA			18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	285.28	131.85
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.54	
				<i>For 60 Degree Bend, Deduct</i>	-43.61	
				<i>For 30 Degree Bend, Deduct</i>	-80.01	
26 05 36 00-0581	EA			24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	353.45	161.47
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.89	
				<i>For 60 Degree Bend, Deduct</i>	-54.74	
				<i>For 30 Degree Bend, Deduct</i>	-100.21	
26 05 36 00-0582	EA			30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	416.72	185.36
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.22	
				<i>For 60 Degree Bend, Deduct</i>	-66.45	
				<i>For 30 Degree Bend, Deduct</i>	-121.06	
26 05 36 00-0583	EA			36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	475.13	217.59
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.38	
				<i>For 60 Degree Bend, Deduct</i>	-73.37	
				<i>For 30 Degree Bend, Deduct</i>	-134.38	
26 05 36 00-0584				<b>24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0585	EA			6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	202.93	78.23
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.78	
				<i>For 60 Degree Bend, Deduct</i>	-36.99	
				<i>For 30 Degree Bend, Deduct</i>	-66.00	
26 05 36 00-0586	EA			9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	234.49	94.30
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.59	
				<i>For 60 Degree Bend, Deduct</i>	-41.23	
				<i>For 30 Degree Bend, Deduct</i>	-73.95	
26 05 36 00-0587	EA			12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	268.15	108.90
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.74	
				<i>For 60 Degree Bend, Deduct</i>	-46.75	
				<i>For 30 Degree Bend, Deduct</i>	-83.96	
26 05 36 00-0588	EA			18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	320.82	139.05
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.49	
				<i>For 60 Degree Bend, Deduct</i>	-52.55	
				<i>For 30 Degree Bend, Deduct</i>	-95.32	
26 05 36 00-0589	EA			24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	395.58	172.74
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.17	
				<i>For 60 Degree Bend, Deduct</i>	-64.34	
				<i>For 30 Degree Bend, Deduct</i>	-116.83	
26 05 36 00-0590	EA			30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	462.73	200.38
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.58	
				<i>For 60 Degree Bend, Deduct</i>	-75.90	
				<i>For 30 Degree Bend, Deduct</i>	-137.64	
26 05 36 00-0591	EA			36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	545.10	238.56
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.63	
				<i>For 60 Degree Bend, Deduct</i>	-88.45	
				<i>For 30 Degree Bend, Deduct</i>	-160.67	
26 05 36 00-0592				<b>36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0593	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	238.74	80.74
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.15	
			<i>For 60 Degree Bend, Deduct</i>	-47.85	
			<i>For 30 Degree Bend, Deduct</i>	-84.23	
26 05 36 00-0594	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	273.48	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.18	
			<i>For 60 Degree Bend, Deduct</i>	-52.67	
			<i>For 30 Degree Bend, Deduct</i>	-93.23	
26 05 36 00-0595	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	302.10	113.80
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.73	
			<i>For 60 Degree Bend, Deduct</i>	-56.07	
			<i>For 30 Degree Bend, Deduct</i>	-99.77	
26 05 36 00-0596	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	367.36	147.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.46	
			<i>For 60 Degree Bend, Deduct</i>	-64.75	
			<i>For 30 Degree Bend, Deduct</i>	-116.11	
26 05 36 00-0597	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	437.80	185.36
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.33	
			<i>For 60 Degree Bend, Deduct</i>	-73.41	
			<i>For 30 Degree Bend, Deduct</i>	-132.65	
26 05 36 00-0598	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	529.00	217.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.77	
			<i>For 60 Degree Bend, Deduct</i>	-91.15	
			<i>For 30 Degree Bend, Deduct</i>	-164.01	
26 05 36 00-0599	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	624.07	263.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.46	
			<i>For 60 Degree Bend, Deduct</i>	-104.97	
			<i>For 30 Degree Bend, Deduct</i>	-189.58	
26 05 36 00-0600			<b>12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0601	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	275.76	104.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.88	
26 05 36 00-0602	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	302.85	119.13
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.35	
26 05 36 00-0603	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	327.26	131.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.75	
26 05 36 00-0604	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	381.56	161.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.70	
26 05 36 00-0605	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	426.09	185.36
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.16	
26 05 36 00-0606	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	474.19	208.63
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.03	
26 05 36 00-0607	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	528.09	238.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.96	
26 05 36 00-0608			<b>24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0609	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	325.41	108.80
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.47	
26 05 36 00-0610	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	356.20	125.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.19	
26 05 36 00-0611	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	385.24	139.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.93	
26 05 36 00-0612	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	449.46	172.74
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.55	
26 05 36 00-0613	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	503.72	200.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.68	
26 05 36 00-0614	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	558.22	227.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.87	
26 05 36 00-0615	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	640.47	263.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.10	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0616				<b>36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0617	EA			6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	383.94	113.70
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-28.92	
26 05 36 00-0618	EA			9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	420.96	131.75
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-31.12	
26 05 36 00-0619	EA			12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	449.34	147.29
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-32.66	
26 05 36 00-0620	EA			18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	529.16	185.36
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-37.47	
26 05 36 00-0621	EA			24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	585.22	217.59
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-40.39	
26 05 36 00-0622	EA			30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	670.22	250.34
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-46.16	
26 05 36 00-0623	EA			36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	759.56	294.16
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-51.45	
26 05 36 00-0624				<b>12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0625	EA			6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	485.78	200.38
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-31.88	
26 05 36 00-0626	EA			9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	525.90	217.59
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-34.46	
26 05 36 00-0627	EA			12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	551.31	227.39
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-36.18	
26 05 36 00-0628	EA			18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	614.46	250.34
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-40.58	
26 05 36 00-0629	EA			24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	694.41	277.88
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-46.28	
26 05 36 00-0630	EA			30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	767.67	294.68
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-52.21	
26 05 36 00-0631	EA			36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	868.85	333.59
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-59.08	
26 05 36 00-0632				<b>24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0633	EA			6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	600.71	217.59
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-41.94	
26 05 36 00-0634	EA			9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	646.88	238.56
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-44.81	
26 05 36 00-0635	EA			12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	675.66	250.34
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-46.70	
26 05 36 00-0636	EA			18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	742.01	277.88
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-51.04	
26 05 36 00-0637	EA			24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	825.32	312.93
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-56.45	
26 05 36 00-0638	EA			30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	886.99	333.59
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-60.90	
26 05 36 00-0639	EA			36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	1,066.21	385.43
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-74.51	
26 05 36 00-0640				<b>36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0641	EA			6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	753.43	238.56
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-55.47	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0642 EA 9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	808.52	263.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.90	
26 05 36 00-0643 EA 12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	857.62	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.60	
26 05 36 00-0644 EA 18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	945.46	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.47	
26 05 36 00-0645 EA 24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,073.68	357.27
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.60	
26 05 36 00-0646 EA 30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,163.69	385.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.25	
26 05 36 00-0647 EA 36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,317.99	454.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.90	
<b>26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0649 EA 6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	567.39	185.36
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.29	
26 05 36 00-0650 EA 9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	581.84	192.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.13	
26 05 36 00-0651 EA 12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	596.85	200.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.99	
26 05 36 00-0652 EA 18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	630.18	217.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.88	
26 05 36 00-0653 EA 24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	651.05	227.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.15	
26 05 36 00-0654 EA 30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	707.40	250.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.88	
26 05 36 00-0655 EA 36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	764.68	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.31	
<b>26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0657 EA 6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	800.87	200.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.39	
26 05 36 00-0658 EA 9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	821.47	208.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.76	
26 05 36 00-0659 EA 12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	843.26	217.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.19	
26 05 36 00-0660 EA 18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	891.70	238.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.29	
26 05 36 00-0661 EA 24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	925.01	250.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.64	
26 05 36 00-0662 EA 30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	984.57	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.30	
26 05 36 00-0663 EA 36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,065.60	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.48	
<b>26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0665 EA 6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,235.43	217.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.41	
26 05 36 00-0666 EA 9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,263.10	227.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.36	
26 05 36 00-0667 EA 12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,292.93	238.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.42	
26 05 36 00-0668 EA 18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,345.76	263.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-112.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0669 EA 24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,381.26	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.97	
26 05 36 00-0670 EA 30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,473.64	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.29	
26 05 36 00-0671 EA 36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,558.79	357.27
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-126.11	
<b>26 05 36 00-0672 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0673 EA 6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	605.39	250.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.68	
26 05 36 00-0674 EA 9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	636.24	263.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.67	
26 05 36 00-0675 EA 12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	678.54	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.69	
26 05 36 00-0676 EA 18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	726.86	294.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.13	
26 05 36 00-0677 EA 24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	818.98	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.10	
26 05 36 00-0678 EA 30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	910.47	357.27
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.28	
26 05 36 00-0679 EA 36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	993.67	385.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.25	
<b>26 05 36 00-0680 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0681 EA 6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	828.15	277.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.66	
26 05 36 00-0682 EA 9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	867.41	294.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.19	
26 05 36 00-0683 EA 12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	909.19	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.84	
26 05 36 00-0684 EA 18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	968.60	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.06	
26 05 36 00-0685 EA 24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,082.08	385.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.09	
26 05 36 00-0686 EA 30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,164.65	417.24
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.69	
26 05 36 00-0687 EA 36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,302.12	454.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.31	
<b>26 05 36 00-0688 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0689 EA 6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,031.60	312.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.08	
26 05 36 00-0690 EA 9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,088.74	333.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.07	
26 05 36 00-0691 EA 12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,150.76	357.27
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.31	
26 05 36 00-0692 EA 18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,254.36	385.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.32	
26 05 36 00-0693 EA 24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,438.13	454.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.91	
26 05 36 00-0694 EA 30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,569.89	499.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.33	
26 05 36 00-0695 EA 36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,721.43	556.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-125.74	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0696			<b>12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0697	EA		6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	690.06	250.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.14	
26 05 36 00-0698	EA		9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	725.13	263.49
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.55	
26 05 36 00-0699	EA		12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	775.37	277.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.38	
26 05 36 00-0700	EA		18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	833.13	294.79
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.75	
26 05 36 00-0701	EA		24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	937.31	333.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.93	
26 05 36 00-0702	EA		30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,052.54	357.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.47	
26 05 36 00-0703	EA		36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,150.99	384.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.02	
26 05 36 00-0704			<b>24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0705	EA		6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	992.39	277.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.08	
26 05 36 00-0706	EA		9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,036.74	294.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.12	
26 05 36 00-0707	EA		12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,083.63	312.93
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.29	
26 05 36 00-0708	EA		18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,154.25	333.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.62	
26 05 36 00-0709	EA		24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,279.97	385.43
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.88	
26 05 36 00-0710	EA		30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,375.80	417.24
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.81	
26 05 36 00-0711	EA		36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,546.94	454.80
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.79	
26 05 36 00-0712			<b>36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0713	EA		6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,261.12	312.93
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.03	
26 05 36 00-0714	EA		9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,328.46	333.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.04	
26 05 36 00-0715	EA		12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,400.68	357.27
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.30	
26 05 36 00-0716	EA		18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,529.78	385.43
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-120.86	
26 05 36 00-0717	EA		24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,744.16	454.80
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-136.51	
26 05 36 00-0718	EA		30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,901.41	499.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-148.48	
26 05 36 00-0719	EA		36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,078.46	556.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-161.44	
26 05 36 00-0720			<b>Dropout Or End Plates And Reducers</b> <small>(26 05 36 00-0002)</small>		
26 05 36 00-0721			<b>Straight Reducers</b> <small>(26 05 36 00-0720)</small>		
26 05 36 00-0722	EA		9"-6" Reducer, Steel Cable Tray.....	244.20	76.98
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.00	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0723 EA 12"-9" Reducer, Steel Cable Tray .....	257.32	83.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.79	
26 05 36 00-0724 EA 18"-12" Reducer, Steel Cable Tray .....	278.76	96.18
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.86	
26 05 36 00-0725 EA 24"-18" Reducer, Steel Cable Tray .....	306.38	111.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.36	
26 05 36 00-0726 EA 30"-24" Reducer, Steel Cable Tray .....	332.05	125.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.77	
26 05 36 00-0727 EA 36"-30" Reducer, Steel Cable Tray .....	376.90	143.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.77	
<b>26 05 36 00-0728 Reducers</b> <small>(26 05 36 00-0720)</small>		
26 05 36 00-0729 EA 18"-6" Reducer, Steel Cable Tray .....	283.90	96.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.37	
26 05 36 00-0730 EA 24"-12" Reducer, Steel Cable Tray .....	311.68	111.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.88	
26 05 36 00-0731 EA 30"-12" Reducer, Steel Cable Tray .....	341.95	125.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.77	
26 05 36 00-0732 EA 30"-18" Reducer, Steel Cable Tray .....	346.82	124.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.27	
26 05 36 00-0733 EA 36"-12" Reducer, Steel Cable Tray .....	379.42	143.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.02	
26 05 36 00-0734 EA 36"-18" Reducer, Steel Cable Tray .....	390.72	146.77
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.84	
26 05 36 00-0735 EA 36"-24" Reducer, Steel Cable Tray .....	403.57	151.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.73	
<b>26 05 36 00-0736 Dropout Or End Plate</b> <small>(26 05 36 00-0720)</small>		
26 05 36 00-0737 EA 6" Dropout Or End Plate, Steel Cable Tray .....	65.12	31.29
26 05 36 00-0738 EA 9" Dropout Or End Plate, Steel Cable Tray .....	74.80	35.78
26 05 36 00-0739 EA 12" Dropout Or End Plate, Steel Cable Tray .....	80.77	38.49
26 05 36 00-0740 EA 18" Dropout Or End Plate, Steel Cable Tray .....	95.34	45.48
26 05 36 00-0741 EA 24" Dropout Or End Plate, Steel Cable Tray .....	107.12	50.07
26 05 36 00-0742 EA 30" Dropout Or End Plate, Steel Cable Tray .....	118.68	55.60
26 05 36 00-0743 EA 36" Dropout Or End Plate, Steel Cable Tray .....	134.03	62.59
<b>26 05 36 00-0744 Ladder Bottom Aluminum Cable Tray</b> <small>(26 05 36 00-0001)</small>		
Note: 4-5/8" Height		
<b>26 05 36 00-0745 Straight Tray Sections</b> <small>(26 05 36 00-0744)</small>		
<b>26 05 36 00-0746 4" Rung Spacing</b> <small>(26 05 36 00-0745)</small>		
26 05 36 00-0747 LF 6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section .....	34.26	7.30
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.71	
<i>For Class 12C Instead Of Class 12B, Add</i>	3.92	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.82	
26 05 36 00-0748 LF 9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section .....	36.16	7.72
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.81	
<i>For Class 12C Instead Of Class 12B, Add</i>	4.14	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.98	
26 05 36 00-0749 LF 12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section .....	38.05	8.03
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.90	
<i>For Class 12C Instead Of Class 12B, Add</i>	4.37	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.13	
26 05 36 00-0750 LF 18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section .....	42.10	8.76
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.11	
<i>For Class 12C Instead Of Class 12B, Add</i>	4.85	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.48	
26 05 36 00-0751 LF 24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section .....	47.61	9.38
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.38	
<i>For Class 12C Instead Of Class 12B, Add</i>	5.59	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.98	
26 05 36 00-0752 LF 30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section .....	51.91	10.02
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.60	
<i>For Class 12C Instead Of Class 12B, Add</i>	6.12	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.36	
26 05 36 00-0753 LF 36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section .....	55.84	10.64
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.79	
<i>For Class 12C Instead Of Class 12B, Add</i>	6.60	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.70	
<b>26 05 36 00-0754 6" Rung Spacing</b> <small>(26 05 36 00-0745)</small>		
26 05 36 00-0755 LF 6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section .....	32.25	7.30
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.61	
<i>For Class 12C Instead Of Class 12B, Add</i>	3.62	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.61	
26 05 36 00-0756 LF 9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section .....	34.04	7.72
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.70	
<i>For Class 12C Instead Of Class 12B, Add</i>	3.82	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.76	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0757	LF		12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section .....	35.81	8.03
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.79	
			<i>For Class 12C Instead Of Class 12B, Add</i>	4.03	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.91	
26 05 36 00-0758	LF		18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section .....	39.61	8.76
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.98	
			<i>For Class 12C Instead Of Class 12B, Add</i>	4.47	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.23	
26 05 36 00-0759	LF		24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section .....	44.70	9.38
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.24	
			<i>For Class 12C Instead Of Class 12B, Add</i>	5.15	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.69	
26 05 36 00-0760	LF		30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section .....	48.70	10.02
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.44	
			<i>For Class 12C Instead Of Class 12B, Add</i>	5.64	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.04	
26 05 36 00-0761	LF		36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section .....	52.38	10.64
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.62	
			<i>For Class 12C Instead Of Class 12B, Add</i>	6.08	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.35	
<b>26 05 36 00-0762</b>			<b>9" Rung Spacing</b> <small>(26 05 36 00-0745)</small>		
26 05 36 00-0763	LF		6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	29.30	6.99
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.47	
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.23	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.35	
26 05 36 00-0764	LF		9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	29.91	7.30
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.50	
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.27	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.38	
26 05 36 00-0765	LF		12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	31.87	7.72
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.59	
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.50	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.55	
26 05 36 00-0766	LF		18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	34.08	8.24
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.70	
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.74	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.72	
26 05 36 00-0767	LF		24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	37.69	8.55
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.88	
			<i>For Class 12C Instead Of Class 12B, Add</i>	4.23	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.06	
26 05 36 00-0768	LF		30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	41.48	9.18
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.07	
			<i>For Class 12C Instead Of Class 12B, Add</i>	4.68	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.38	
26 05 36 00-0769	LF		36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	44.29	10.02
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.21	
			<i>For Class 12C Instead Of Class 12B, Add</i>	4.97	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.59	
<b>26 05 36 00-0770</b>			<b>12" Rung Spacing</b> <small>(26 05 36 00-0745)</small>		
26 05 36 00-0771	LF		6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	28.60	6.78
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.43	
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.16	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.30	
26 05 36 00-0772	LF		9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	29.10	6.99
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.46	
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.20	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.33	
26 05 36 00-0773	LF		12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	30.38	7.41
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.52	
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.32	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.42	
26 05 36 00-0774	LF		18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	32.17	7.82
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.61	
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.52	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.56	
26 05 36 00-0775	LF		24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	34.51	7.93
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.73	
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.85	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.79	
26 05 36 00-0776	LF		30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	37.24	8.76
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.86	
			<i>For Class 12C Instead Of Class 12B, Add</i>	4.13	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.00	
26 05 36 00-0777	LF		36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	39.64	9.49
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.98	
			<i>For Class 12C Instead Of Class 12B, Add</i>	4.37	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.18	
<b>26 05 36 00-0778</b>			<b>18" Rung Spacing</b> <small>(26 05 36 00-0745)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0779 LF 6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	28.19	6.57
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.41	
<i>For Class 12C Instead Of Class 12B, Add</i>	3.13	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.27	
26 05 36 00-0780 LF 9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	28.40	6.89
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.42	
<i>For Class 12C Instead Of Class 12B, Add</i>	3.12	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.27	
26 05 36 00-0781 LF 12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	29.86	7.09
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.49	
<i>For Class 12C Instead Of Class 12B, Add</i>	3.29	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.39	
26 05 36 00-0782 LF 18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	31.45	7.51
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.57	
<i>For Class 12C Instead Of Class 12B, Add</i>	3.47	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.52	
26 05 36 00-0783 LF 24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	33.11	7.62
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.66	
<i>For Class 12C Instead Of Class 12B, Add</i>	3.70	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.68	
26 05 36 00-0784 LF 30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	34.95	8.34
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.75	
<i>For Class 12C Instead Of Class 12B, Add</i>	3.86	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.80	
26 05 36 00-0785 LF 36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	37.26	9.07
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.86	
<i>For Class 12C Instead Of Class 12B, Add</i>	4.07	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.97	
<b>26 05 36 00-0786 4" Rung Tray Fittings</b> <small>(26 05 36 00-0744)</small>		
<b>26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0788 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	282.75	104.63
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.14	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.56	
26 05 36 00-0789 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	309.78	119.13
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.49	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.05	
26 05 36 00-0790 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	351.27	131.75
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.56	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.15	
26 05 36 00-0791 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	417.35	161.47
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.87	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.28	
26 05 36 00-0792 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	492.88	185.36
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.64	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.84	
26 05 36 00-0793 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	542.59	208.63
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.13	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.87	
26 05 36 00-0794 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	633.48	238.45
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.67	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.48	
<b>26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0796 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	373.50	108.80
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.68	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.28	
26 05 36 00-0797 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	408.84	125.07
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.44	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.46	
26 05 36 00-0798 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	441.80	139.05
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.09	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.59	
26 05 36 00-0799 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	515.66	172.74
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.78	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.17	
26 05 36 00-0800 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	583.69	200.38
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.18	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.67	
26 05 36 00-0801 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	652.15	227.39
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.61	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.26	
26 05 36 00-0802 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	746.46	263.39
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.32	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.70	
<b>26 05 36 00-0803 90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0804 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	400.88	113.70
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.04	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.61	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0805	EA		9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	436.17	131.64
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.81	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.65	
26 05 36 00-0806	EA		12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	487.11	147.29
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.36	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.43	
26 05 36 00-0807	EA		18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	580.72	185.36
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.04	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.62	
26 05 36 00-0808	EA		24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	670.13	217.59
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.51	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.88	
26 05 36 00-0809	EA		30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	754.87	250.34
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.74	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.63	
26 05 36 00-0810	EA		36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	877.22	294.16
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.86	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.21	
<b>26 05 36 00-0811</b>			<b>45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0812	EA		6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	197.71	75.83
			<i>For 60 Degree Bend, Deduct</i>	-36.19	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.89	
			<i>For 30 Degree Bend, Deduct</i>	-64.52	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.45	
26 05 36 00-0813	EA		9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	225.64	90.96
			<i>For 60 Degree Bend, Deduct</i>	-39.61	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.28	
			<i>For 30 Degree Bend, Deduct</i>	-71.07	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.99	
26 05 36 00-0814	EA		12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	250.72	104.31
			<i>For 60 Degree Bend, Deduct</i>	-42.75	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.54	
			<i>For 30 Degree Bend, Deduct</i>	-77.05	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.38	
26 05 36 00-0815	EA		18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	310.27	131.85
			<i>For 60 Degree Bend, Deduct</i>	-51.86	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.51	
			<i>For 30 Degree Bend, Deduct</i>	-93.76	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.04	
26 05 36 00-0816	EA		24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	381.66	161.47
			<i>For 60 Degree Bend, Deduct</i>	-64.05	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.08	
			<i>For 30 Degree Bend, Deduct</i>	-115.72	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.71	
26 05 36 00-0817	EA		30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	437.98	185.36
			<i>For 60 Degree Bend, Deduct</i>	-73.47	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.90	
			<i>For 30 Degree Bend, Deduct</i>	-132.75	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.35	
26 05 36 00-0818	EA		36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	497.19	217.59
			<i>For 60 Degree Bend, Deduct</i>	-80.65	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.86	
			<i>For 30 Degree Bend, Deduct</i>	-146.51	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.58	
<b>26 05 36 00-0819</b>			<b>45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0820	EA		6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	226.39	78.23
			<i>For 60 Degree Bend, Deduct</i>	-44.74	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.32	
			<i>For 30 Degree Bend, Deduct</i>	-78.90	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.12	
26 05 36 00-0821	EA		9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	264.24	94.30
			<i>For 60 Degree Bend, Deduct</i>	-51.05	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.21	
			<i>For 30 Degree Bend, Deduct</i>	-90.32	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.56	
26 05 36 00-0822	EA		12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	291.28	108.90
			<i>For 60 Degree Bend, Deduct</i>	-54.38	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.56	
			<i>For 30 Degree Bend, Deduct</i>	-96.69	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.05	
26 05 36 00-0823	EA		18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	349.84	139.05
			<i>For 60 Degree Bend, Deduct</i>	-62.13	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.49	
			<i>For 30 Degree Bend, Deduct</i>	-111.28	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.39	
26 05 36 00-0824	EA		24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	425.08	172.74
			<i>For 60 Degree Bend, Deduct</i>	-74.08	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.25	
			<i>For 30 Degree Bend, Deduct</i>	-133.05	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0825 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	498.60	200.38
<i>For 60 Degree Bend, Deduct</i>	-87.74	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.93	
<i>For 30 Degree Bend, Deduct</i>	-157.37	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.17	
26 05 36 00-0826 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	570.46	238.56
<i>For 60 Degree Bend, Deduct</i>	-96.82	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.52	
<i>For 30 Degree Bend, Deduct</i>	-174.62	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.17	
<b>26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0828 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	263.51	80.74
<i>For 60 Degree Bend, Deduct</i>	-56.02	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.18	
<i>For 30 Degree Bend, Deduct</i>	-97.86	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.63	
26 05 36 00-0829 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	295.15	98.05
<i>For 60 Degree Bend, Deduct</i>	-59.82	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.76	
<i>For 30 Degree Bend, Deduct</i>	-105.15	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.35	
26 05 36 00-0830 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	324.16	113.80
<i>For 60 Degree Bend, Deduct</i>	-63.35	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.21	
<i>For 30 Degree Bend, Deduct</i>	-111.91	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.93	
26 05 36 00-0831 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	393.78	147.29
<i>For 60 Degree Bend, Deduct</i>	-73.47	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.69	
<i>For 30 Degree Bend, Deduct</i>	-130.64	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.10	
26 05 36 00-0832 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	490.14	185.36
<i>For 60 Degree Bend, Deduct</i>	-90.68	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.51	
<i>For 30 Degree Bend, Deduct</i>	-161.44	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.57	
26 05 36 00-0833 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	554.84	217.59
<i>For 60 Degree Bend, Deduct</i>	-99.68	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.74	
<i>For 30 Degree Bend, Deduct</i>	-178.22	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.35	
26 05 36 00-0834 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	650.38	263.39
<i>For 60 Degree Bend, Deduct</i>	-113.65	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.52	
<i>For 30 Degree Bend, Deduct</i>	-204.05	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.09	
<b>26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0836 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	308.66	104.31
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.43	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.17	
26 05 36 00-0837 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	340.76	119.13
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.04	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.15	
26 05 36 00-0838 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	364.11	131.75
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.21	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.44	
26 05 36 00-0839 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	418.62	161.47
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.93	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.41	
26 05 36 00-0840 EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	465.83	185.36
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.29	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.13	
26 05 36 00-0841 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	511.91	208.63
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.60	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.81	
26 05 36 00-0842 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	566.03	238.14
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.30	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.76	
<b>26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0844 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	327.18	108.80
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.36	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.65	
26 05 36 00-0845 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	360.58	125.17
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.03	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.63	
26 05 36 00-0846 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	387.44	139.05
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.37	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.15	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0847 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	452.04	172.74
For 6" Overall Height Instead Of 4-5/8", Add	22.60	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.81	
26 05 36 00-0848 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	507.91	200.38
For 6" Overall Height Instead Of 4-5/8", Add	25.40	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.10	
26 05 36 00-0849 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	562.85	227.39
For 6" Overall Height Instead Of 4-5/8", Add	28.14	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.33	
26 05 36 00-0850 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	635.09	263.39
For 6" Overall Height Instead Of 4-5/8", Add	31.75	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.56	
<b>26 05 36 00-0851 90 Degree, 36" Radius Vertical Risers (26 05 36 00-0786)</b>		
26 05 36 00-0852 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	415.00	113.70
For 6" Overall Height Instead Of 4-5/8", Add	20.75	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.02	
26 05 36 00-0853 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	449.89	131.75
For 6" Overall Height Instead Of 4-5/8", Add	22.49	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.01	
26 05 36 00-0854 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	490.64	147.29
For 6" Overall Height Instead Of 4-5/8", Add	24.53	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.79	
26 05 36 00-0855 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	563.86	185.36
For 6" Overall Height Instead Of 4-5/8", Add	28.19	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.94	
26 05 36 00-0856 EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	627.38	217.59
For 6" Overall Height Instead Of 4-5/8", Add	31.37	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.60	
26 05 36 00-0857 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	701.54	250.34
For 6" Overall Height Instead Of 4-5/8", Add	35.08	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.29	
26 05 36 00-0858 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	786.74	294.16
For 6" Overall Height Instead Of 4-5/8", Add	39.34	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.17	
<b>26 05 36 00-0859 12" Radius Horizontal Tees (26 05 36 00-0786)</b>		
26 05 36 00-0860 EA 6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	489.38	200.38
For 6" Overall Height Instead Of 4-5/8", Add	24.47	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.24	
26 05 36 00-0861 EA 9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	528.37	217.59
For 6" Overall Height Instead Of 4-5/8", Add	26.42	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.70	
26 05 36 00-0862 EA 12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	547.26	227.39
For 6" Overall Height Instead Of 4-5/8", Add	27.36	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.77	
26 05 36 00-0863 EA 18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	618.60	250.34
For 6" Overall Height Instead Of 4-5/8", Add	30.93	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.00	
26 05 36 00-0864 EA 24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	684.94	277.88
For 6" Overall Height Instead Of 4-5/8", Add	34.25	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.33	
26 05 36 00-0865 EA 30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	748.55	294.68
For 6" Overall Height Instead Of 4-5/8", Add	37.43	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.30	
26 05 36 00-0866 EA 36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	864.45	333.59
For 6" Overall Height Instead Of 4-5/8", Add	43.22	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.64	
<b>26 05 36 00-0867 24" Radius Horizontal Tees (26 05 36 00-0786)</b>		
26 05 36 00-0868 EA 6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	627.78	217.59
For 6" Overall Height Instead Of 4-5/8", Add	31.39	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.64	
26 05 36 00-0869 EA 9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	677.91	238.56
For 6" Overall Height Instead Of 4-5/8", Add	33.90	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.91	
26 05 36 00-0870 EA 12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	705.27	250.34
For 6" Overall Height Instead Of 4-5/8", Add	35.26	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.67	
26 05 36 00-0871 EA 18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	776.71	277.88
For 6" Overall Height Instead Of 4-5/8", Add	38.84	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.51	
26 05 36 00-0872 EA 24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	863.11	312.93
For 6" Overall Height Instead Of 4-5/8", Add	43.16	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.23	
26 05 36 00-0873 EA 30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	930.72	333.59
For 6" Overall Height Instead Of 4-5/8", Add	46.54	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.27	
26 05 36 00-0874 EA 36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	1,215.81	385.43
For 6" Overall Height Instead Of 4-5/8", Add	60.79	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-89.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-0875</b> <b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0876    EA    6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	772.22	238.56
For 6" Overall Height Instead Of 4-5/8", Add	38.61	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.35	
26 05 36 00-0877    EA    9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	823.90	263.39
For 6" Overall Height Instead Of 4-5/8", Add	41.20	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.44	
26 05 36 00-0878    EA    12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	883.76	277.88
For 6" Overall Height Instead Of 4-5/8", Add	44.19	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.22	
26 05 36 00-0879    EA    18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	965.07	312.93
For 6" Overall Height Instead Of 4-5/8", Add	48.25	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.43	
26 05 36 00-0880    EA    24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,084.77	357.27
For 6" Overall Height Instead Of 4-5/8", Add	54.24	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-78.71	
26 05 36 00-0881    EA    30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,261.69	385.43
For 6" Overall Height Instead Of 4-5/8", Add	63.08	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-94.05	
26 05 36 00-0882    EA    36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,446.28	454.80
For 6" Overall Height Instead Of 4-5/8", Add	72.31	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-106.72	
<b>26 05 36 00-0883</b> <b>12" Radius Vertical Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0884    EA    6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	658.17	185.36
For 6" Overall Height Instead Of 4-5/8", Add	32.91	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.37	
26 05 36 00-0885    EA    9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	680.55	192.66
For 6" Overall Height Instead Of 4-5/8", Add	34.03	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.00	
26 05 36 00-0886    EA    12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	695.84	200.38
For 6" Overall Height Instead Of 4-5/8", Add	34.79	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.89	
26 05 36 00-0887    EA    18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	732.28	217.59
For 6" Overall Height Instead Of 4-5/8", Add	36.61	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.09	
26 05 36 00-0888    EA    24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	779.21	227.39
For 6" Overall Height Instead Of 4-5/8", Add	38.96	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.97	
26 05 36 00-0889    EA    30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	825.06	250.34
For 6" Overall Height Instead Of 4-5/8", Add	41.25	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.64	
26 05 36 00-0890    EA    36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	883.76	277.88
For 6" Overall Height Instead Of 4-5/8", Add	44.19	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.22	
<b>26 05 36 00-0891</b> <b>24" Radius Vertical Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0892    EA    6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	925.25	200.38
For 6" Overall Height Instead Of 4-5/8", Add	46.26	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.83	
26 05 36 00-0893    EA    9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	946.69	208.63
For 6" Overall Height Instead Of 4-5/8", Add	47.33	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-77.28	
26 05 36 00-0894    EA    12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	969.33	217.59
For 6" Overall Height Instead Of 4-5/8", Add	48.47	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-78.80	
26 05 36 00-0895    EA    18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,022.01	238.56
For 6" Overall Height Instead Of 4-5/8", Add	51.10	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-82.32	
26 05 36 00-0896    EA    24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,057.01	250.34
For 6" Overall Height Instead Of 4-5/8", Add	52.85	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-84.84	
26 05 36 00-0897    EA    30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,118.26	277.88
For 6" Overall Height Instead Of 4-5/8", Add	55.91	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-88.67	
26 05 36 00-0898    EA    36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,235.25	312.93
For 6" Overall Height Instead Of 4-5/8", Add	61.76	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-97.45	
<b>26 05 36 00-0899</b> <b>36" Radius Vertical Tee</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0900    EA    6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,487.65	217.59
For 6" Overall Height Instead Of 4-5/8", Add	74.38	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-130.63	
26 05 36 00-0901    EA    9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,518.59	227.39
For 6" Overall Height Instead Of 4-5/8", Add	75.93	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-132.91	
26 05 36 00-0902    EA    12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,551.70	238.56
For 6" Overall Height Instead Of 4-5/8", Add	77.59	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-135.29	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0903 EA 18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,607.82	263.39
For 6" Overall Height Instead Of 4-5/8", Add	80.39	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-138.83	
26 05 36 00-0904 EA 24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,646.59	277.88
For 6" Overall Height Instead Of 4-5/8", Add	82.33	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-141.50	
26 05 36 00-0905 EA 30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,748.78	312.93
For 6" Overall Height Instead Of 4-5/8", Add	87.44	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-148.80	
26 05 36 00-0906 EA 36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,837.21	357.27
For 6" Overall Height Instead Of 4-5/8", Add	91.86	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-153.95	
<b>26 05 36 00-0907 12" Radius Horizontal Crosses (26 05 36 00-0786)</b>		
26 05 36 00-0908 EA 6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	633.90	250.34
For 6" Overall Height Instead Of 4-5/8", Add	31.70	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.53	
26 05 36 00-0909 EA 9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	678.62	263.39
For 6" Overall Height Instead Of 4-5/8", Add	33.93	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.91	
26 05 36 00-0910 EA 12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	705.34	277.88
For 6" Overall Height Instead Of 4-5/8", Add	35.27	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.37	
26 05 36 00-0911 EA 18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	784.23	294.68
For 6" Overall Height Instead Of 4-5/8", Add	39.21	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.87	
26 05 36 00-0912 EA 24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	859.35	333.59
For 6" Overall Height Instead Of 4-5/8", Add	42.97	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.13	
26 05 36 00-0913 EA 30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	952.23	357.27
For 6" Overall Height Instead Of 4-5/8", Add	47.61	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.45	
26 05 36 00-0914 EA 36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,088.37	385.43
For 6" Overall Height Instead Of 4-5/8", Add	54.42	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.72	
<b>26 05 36 00-0915 24" Radius Horizontal Crosses (26 05 36 00-0786)</b>		
26 05 36 00-0916 EA 6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	878.66	277.88
For 6" Overall Height Instead Of 4-5/8", Add	43.93	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.71	
26 05 36 00-0917 EA 9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	919.33	294.68
For 6" Overall Height Instead Of 4-5/8", Add	45.97	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.38	
26 05 36 00-0918 EA 12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	962.52	312.93
For 6" Overall Height Instead Of 4-5/8", Add	48.13	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.17	
26 05 36 00-0919 EA 18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,019.93	333.59
For 6" Overall Height Instead Of 4-5/8", Add	51.00	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-74.19	
26 05 36 00-0920 EA 24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,146.99	385.43
For 6" Overall Height Instead Of 4-5/8", Add	57.35	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-82.58	
26 05 36 00-0921 EA 30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,389.57	417.24
For 6" Overall Height Instead Of 4-5/8", Add	69.48	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-104.19	
26 05 36 00-0922 EA 36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,540.65	454.80
For 6" Overall Height Instead Of 4-5/8", Add	77.03	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-116.16	
<b>26 05 36 00-0923 36" Radius Horizontal Crosses (26 05 36 00-0786)</b>		
26 05 36 00-0924 EA 6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,010.95	312.93
For 6" Overall Height Instead Of 4-5/8", Add	50.55	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.02	
26 05 36 00-0925 EA 9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,210.90	333.59
For 6" Overall Height Instead Of 4-5/8", Add	60.55	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-93.29	
26 05 36 00-0926 EA 12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,289.54	357.27
For 6" Overall Height Instead Of 4-5/8", Add	64.48	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-99.19	
26 05 36 00-0927 EA 18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,218.36	385.43
For 6" Overall Height Instead Of 4-5/8", Add	60.92	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-89.72	
26 05 36 00-0928 EA 24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,471.77	454.80
For 6" Overall Height Instead Of 4-5/8", Add	73.59	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-109.27	
26 05 36 00-0929 EA 30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,623.32	499.86
For 6" Overall Height Instead Of 4-5/8", Add	81.17	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-120.67	
26 05 36 00-0930 EA 36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,807.40	556.81
For 6" Overall Height Instead Of 4-5/8", Add	90.37	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-134.34	





	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-0931</b>	<b>12" Radius Vertical Cross</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0932	EA 6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	633.90 31.70 -42.53	250.34
26 05 36 00-0933	EA 9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	678.77 33.94 -45.92	263.49
26 05 36 00-0934	EA 12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	705.26 35.26 -47.37	277.88
26 05 36 00-0935	EA 18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	784.41 39.22 -53.88	294.79
26 05 36 00-0936	EA 24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	859.35 42.97 -58.13	333.59
26 05 36 00-0937	EA 30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	952.51 47.63 -65.47	357.37
26 05 36 00-0938	EA 36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,087.58 54.38 -76.68	384.91
<b>26 05 36 00-0939</b>	<b>24" Radius Vertical Crosses</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0940	EA 6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	878.66 43.93 -64.71	277.88
26 05 36 00-0941	EA 9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	919.33 45.97 -67.38	294.68
26 05 36 00-0942	EA 12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	962.52 48.13 -70.17	312.93
26 05 36 00-0943	EA 18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,019.93 51.00 -74.19	333.59
26 05 36 00-0944	EA 24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,146.99 57.35 -82.58	385.43
26 05 36 00-0945	EA 30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,235.78 61.79 -88.81	417.24
26 05 36 00-0946	EA 36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,367.27 68.36 -98.82	454.80
<b>26 05 36 00-0947</b>	<b>36" Radius Vertical Crosses</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0948	EA 6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,231.17 61.56 -97.04	312.93
26 05 36 00-0949	EA 9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,295.21 64.76 -101.72	333.59
26 05 36 00-0950	EA 12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,378.91 68.95 -108.12	357.27
26 05 36 00-0951	EA 18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,477.59 73.88 -115.64	385.43
26 05 36 00-0952	EA 24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,792.93 89.65 -141.39	454.80
26 05 36 00-0953	EA 30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,978.89 98.94 -156.23	499.86
26 05 36 00-0954	EA 36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,203.12 110.16 -173.91	556.81
<b>26 05 36 00-0955</b>	<b>6" Rung Tray Fittings</b> <small>(26 05 36 00-0744)</small>		
<b>26 05 36 00-0956</b>	<b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-0957	EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	267.26 13.36 -18.01	104.63
26 05 36 00-0958	EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	293.90 14.70 -19.46	119.13

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0959 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	332.45	131.75
For 6" Overall Height Instead Of 4-5/8", Add	16.62	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.27	
26 05 36 00-0960 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	396.17	161.47
For 6" Overall Height Instead Of 4-5/8", Add	19.81	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.16	
26 05 36 00-0961 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	466.61	185.36
For 6" Overall Height Instead Of 4-5/8", Add	23.33	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.21	
26 05 36 00-0962 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	514.75	208.63
For 6" Overall Height Instead Of 4-5/8", Add	25.74	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.09	
26 05 36 00-0963 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	599.75	238.45
For 6" Overall Height Instead Of 4-5/8", Add	29.99	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.10	
<b>26 05 36 00-0964 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0955)</b>		
26 05 36 00-0965 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	346.05	108.80
For 6" Overall Height Instead Of 4-5/8", Add	17.30	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.54	
26 05 36 00-0966 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	380.22	125.07
For 6" Overall Height Instead Of 4-5/8", Add	19.01	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.60	
26 05 36 00-0967 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	411.80	139.05
For 6" Overall Height Instead Of 4-5/8", Add	20.59	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.59	
26 05 36 00-0968 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	483.12	172.74
For 6" Overall Height Instead Of 4-5/8", Add	24.16	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.92	
26 05 36 00-0969 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	548.01	200.38
For 6" Overall Height Instead Of 4-5/8", Add	27.40	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.11	
26 05 36 00-0970 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	613.14	227.39
For 6" Overall Height Instead Of 4-5/8", Add	30.66	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.36	
26 05 36 00-0971 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	702.54	263.39
For 6" Overall Height Instead Of 4-5/8", Add	35.13	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.30	
<b>26 05 36 00-0972 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0955)</b>		
26 05 36 00-0973 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	370.69	113.70
For 6" Overall Height Instead Of 4-5/8", Add	18.53	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.59	
26 05 36 00-0974 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	405.19	131.64
For 6" Overall Height Instead Of 4-5/8", Add	20.26	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.55	
26 05 36 00-0975 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	452.60	147.29
For 6" Overall Height Instead Of 4-5/8", Add	22.63	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.98	
26 05 36 00-0976 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	541.90	185.36
For 6" Overall Height Instead Of 4-5/8", Add	27.10	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.74	
26 05 36 00-0977 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	626.21	217.59
For 6" Overall Height Instead Of 4-5/8", Add	31.31	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.49	
26 05 36 00-0978 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	706.64	250.34
For 6" Overall Height Instead Of 4-5/8", Add	35.33	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.80	
26 05 36 00-0979 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	821.93	294.16
For 6" Overall Height Instead Of 4-5/8", Add	41.10	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.68	
<b>26 05 36 00-0980 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0955)</b>		
26 05 36 00-0981 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	187.51	75.83
For 6" Overall Height Instead Of 4-5/8", Add	9.38	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.43	
For 60 Degree Bend, Deduct	-32.82	
For 30 Degree Bend, Deduct	-58.91	
26 05 36 00-0982 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	215.06	90.96
For 6" Overall Height Instead Of 4-5/8", Add	10.75	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.93	
For 60 Degree Bend, Deduct	-36.12	
For 30 Degree Bend, Deduct	-65.25	
26 05 36 00-0983 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	239.74	104.31
For 6" Overall Height Instead Of 4-5/8", Add	11.99	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.28	
For 60 Degree Bend, Deduct	-39.13	
For 30 Degree Bend, Deduct	-71.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0984 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	297.33	131.85
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.87	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.75	
<i>For 60 Degree Bend, Deduct</i>	-47.59	
<i>For 30 Degree Bend, Deduct</i>	-86.64	
26 05 36 00-0985 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	365.59	161.47
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.28	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.10	
<i>For 60 Degree Bend, Deduct</i>	-58.75	
<i>For 30 Degree Bend, Deduct</i>	-106.88	
26 05 36 00-0986 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	419.55	185.36
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.98	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.51	
<i>For 60 Degree Bend, Deduct</i>	-67.39	
<i>For 30 Degree Bend, Deduct</i>	-122.61	
26 05 36 00-0987 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	477.98	217.59
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.90	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.66	
<i>For 60 Degree Bend, Deduct</i>	-74.31	
<i>For 30 Degree Bend, Deduct</i>	-135.95	
<b>26 05 36 00-0988 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-0989 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	212.67	78.23
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.63	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.75	
<i>For 60 Degree Bend, Deduct</i>	-40.21	
<i>For 30 Degree Bend, Deduct</i>	-71.36	
26 05 36 00-0990 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	248.95	94.30
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.45	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.04	
<i>For 60 Degree Bend, Deduct</i>	-46.00	
<i>For 30 Degree Bend, Deduct</i>	-81.91	
26 05 36 00-0991 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	275.59	108.90
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.78	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.49	
<i>For 60 Degree Bend, Deduct</i>	-49.20	
<i>For 30 Degree Bend, Deduct</i>	-88.06	
26 05 36 00-0992 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	332.98	139.05
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.65	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.71	
<i>For 60 Degree Bend, Deduct</i>	-56.57	
<i>For 30 Degree Bend, Deduct</i>	-102.01	
26 05 36 00-0993 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	405.47	172.74
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.27	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.16	
<i>For 60 Degree Bend, Deduct</i>	-67.60	
<i>For 30 Degree Bend, Deduct</i>	-122.27	
26 05 36 00-0994 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	475.07	200.38
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.75	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.81	
<i>For 60 Degree Bend, Deduct</i>	-79.98	
<i>For 30 Degree Bend, Deduct</i>	-144.42	
26 05 36 00-0995 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	545.76	238.56
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.29	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.70	
<i>For 60 Degree Bend, Deduct</i>	-88.67	
<i>For 30 Degree Bend, Deduct</i>	-161.03	
<b>26 05 36 00-0996 45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-0997 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	245.08	80.74
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.25	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.78	
<i>For 60 Degree Bend, Deduct</i>	-49.94	
<i>For 30 Degree Bend, Deduct</i>	-87.72	
26 05 36 00-0998 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	276.33	98.05
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.82	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.46	
<i>For 60 Degree Bend, Deduct</i>	-53.61	
<i>For 30 Degree Bend, Deduct</i>	-94.80	
26 05 36 00-0999 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	304.95	113.80
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.25	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.01	
<i>For 60 Degree Bend, Deduct</i>	-57.01	
<i>For 30 Degree Bend, Deduct</i>	-101.34	
26 05 36 00-1000 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	372.60	147.29
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.63	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.98	
<i>For 60 Degree Bend, Deduct</i>	-66.48	
<i>For 30 Degree Bend, Deduct</i>	-118.99	
26 05 36 00-1001 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	464.26	185.36
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.21	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.98	
<i>For 60 Degree Bend, Deduct</i>	-82.14	
<i>For 30 Degree Bend, Deduct</i>	-147.20	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1002 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	527.39	217.59
For 6" Overall Height Instead Of 4-5/8", Add	26.37	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.60	
For 60 Degree Bend, Deduct	-90.62	
For 30 Degree Bend, Deduct	-163.12	
26 05 36 00-1003 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	620.19	263.39
For 6" Overall Height Instead Of 4-5/8", Add	31.01	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.07	
For 60 Degree Bend, Deduct	-103.69	
For 30 Degree Bend, Deduct	-187.45	
<b>26 05 36 00-1004 90 Degree, 12" Radius Vertical Risers (26 05 36 00-0955)</b>		
26 05 36 00-1005 EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	297.87	104.31
For 6" Overall Height Instead Of 4-5/8", Add	14.89	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.09	
26 05 36 00-1006 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	329.39	119.13
For 6" Overall Height Instead Of 4-5/8", Add	16.47	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.01	
26 05 36 00-1007 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	352.54	131.75
For 6" Overall Height Instead Of 4-5/8", Add	17.63	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.28	
26 05 36 00-1008 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	406.66	161.47
For 6" Overall Height Instead Of 4-5/8", Add	20.33	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.21	
26 05 36 00-1009 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	453.28	185.36
For 6" Overall Height Instead Of 4-5/8", Add	22.66	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.88	
26 05 36 00-1010 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	498.77	208.63
For 6" Overall Height Instead Of 4-5/8", Add	24.94	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.49	
26 05 36 00-1011 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	552.50	238.14
For 6" Overall Height Instead Of 4-5/8", Add	27.63	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.40	
<b>26 05 36 00-1012 90 Degree, 24" Radius Vertical Risers (26 05 36 00-0955)</b>		
26 05 36 00-1013 EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	315.51	108.80
For 6" Overall Height Instead Of 4-5/8", Add	15.78	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.48	
26 05 36 00-1014 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	348.43	125.17
For 6" Overall Height Instead Of 4-5/8", Add	17.42	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.41	
26 05 36 00-1015 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	374.99	139.05
For 6" Overall Height Instead Of 4-5/8", Add	18.75	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.91	
26 05 36 00-1016 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	438.90	172.74
For 6" Overall Height Instead Of 4-5/8", Add	21.95	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.50	
26 05 36 00-1017 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	493.99	200.38
For 6" Overall Height Instead Of 4-5/8", Add	24.70	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.70	
26 05 36 00-1018 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	548.14	227.39
For 6" Overall Height Instead Of 4-5/8", Add	27.41	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.86	
26 05 36 00-1019 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	619.40	263.39
For 6" Overall Height Instead Of 4-5/8", Add	30.97	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.99	
<b>26 05 36 00-1020 90 Degree, 36" Radius Vertical Risers (26 05 36 00-0955)</b>		
26 05 36 00-1021 EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	396.96	113.70
For 6" Overall Height Instead Of 4-5/8", Add	19.85	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.22	
26 05 36 00-1022 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	431.46	131.75
For 6" Overall Height Instead Of 4-5/8", Add	21.57	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.17	
26 05 36 00-1023 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	471.03	147.29
For 6" Overall Height Instead Of 4-5/8", Add	23.55	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.83	
26 05 36 00-1024 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	543.47	185.36
For 6" Overall Height Instead Of 4-5/8", Add	27.17	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.90	
26 05 36 00-1025 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	606.21	217.59
For 6" Overall Height Instead Of 4-5/8", Add	30.31	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.49	
26 05 36 00-1026 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	678.80	250.34
For 6" Overall Height Instead Of 4-5/8", Add	33.94	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.02	
26 05 36 00-1027 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	763.01	294.16
For 6" Overall Height Instead Of 4-5/8", Add	38.15	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.79	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-1028    12" Radius Horizontal Tees</b> <small>(26 05 36 00-0955)</small>						
26 05 36 00-1029	EA			6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	477.42	200.38
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.87	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.05	
26 05 36 00-1030	EA			9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	515.62	217.59
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.78	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.43	
26 05 36 00-1031	EA			12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	534.32	227.39
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.72	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.48	
26 05 36 00-1032	EA			18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	603.11	250.34
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.16	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.45	
26 05 36 00-1033	EA			24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	667.89	277.88
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.39	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.63	
26 05 36 00-1034	EA			30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	728.75	294.68
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.44	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.32	
26 05 36 00-1035	EA			36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	840.72	333.59
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.04	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.27	
<b>26 05 36 00-1036    24" Radius Horizontal Tees</b> <small>(26 05 36 00-0955)</small>						
26 05 36 00-1037	EA			6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	607.38	217.59
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.37	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.60	
26 05 36 00-1038	EA			9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	656.34	238.56
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.82	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.76	
26 05 36 00-1039	EA			12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	683.11	250.34
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.16	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.45	
26 05 36 00-1040	EA			18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	752.59	277.88
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.63	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.10	
26 05 36 00-1041	EA			24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	836.84	312.93
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.84	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.61	
26 05 36 00-1042	EA			30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	901.90	333.59
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.10	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.39	
26 05 36 00-1043	EA			36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,171.70	385.43
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	58.59	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.05	
<b>26 05 36 00-1044    36" Radius Horizontal Tees</b> <small>(26 05 36 00-0955)</small>						
26 05 36 00-1045	EA			6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	743.40	238.56
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.17	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.46	
26 05 36 00-1046	EA			9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	794.30	263.39
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.72	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.48	
26 05 36 00-1047	EA			12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	851.41	277.88
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.57	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.98	
26 05 36 00-1048	EA			18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	930.95	312.93
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.55	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.02	
26 05 36 00-1049	EA			24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,047.12	357.27
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	52.36	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.94	
26 05 36 00-1050	EA			30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,214.05	385.43
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	60.70	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.29	
26 05 36 00-1051	EA			36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,393.35	454.80
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	69.67	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.43	
<b>26 05 36 00-1052    12" Radius Vertical Tees</b> <small>(26 05 36 00-0955)</small>						
26 05 36 00-1053	EA			6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	631.31	185.36
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.57	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.68	
26 05 36 00-1054	EA			9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	652.90	192.66
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.65	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.23	
26 05 36 00-1055	EA			12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	668.00	200.38
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.40	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.11	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1056 EA 18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	703.85	217.59
For 6" Overall Height Instead Of 4-5/8", Add	35.19	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.25	
26 05 36 00-1057 EA 24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	748.42	227.39
For 6" Overall Height Instead Of 4-5/8", Add	37.42	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.89	
26 05 36 00-1058 EA 30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	793.69	250.34
For 6" Overall Height Instead Of 4-5/8", Add	39.68	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.51	
26 05 36 00-1059 EA 36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	851.41	277.88
For 6" Overall Height Instead Of 4-5/8", Add	42.57	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.98	
<b>26 05 36 00-1060 24" Radius Vertical Tees (26 05 36 00-0955)</b>		
26 05 36 00-1061 EA 6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	879.76	200.38
For 6" Overall Height Instead Of 4-5/8", Add	43.99	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.28	
26 05 36 00-1062 EA 9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	900.62	208.63
For 6" Overall Height Instead Of 4-5/8", Add	45.03	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.68	
26 05 36 00-1063 EA 12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	922.66	217.59
For 6" Overall Height Instead Of 4-5/8", Add	46.13	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-74.13	
26 05 36 00-1064 EA 18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	973.97	238.56
For 6" Overall Height Instead Of 4-5/8", Add	48.70	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-77.52	
26 05 36 00-1065 EA 24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	1,007.80	250.34
For 6" Overall Height Instead Of 4-5/8", Add	50.39	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-79.92	
26 05 36 00-1066 EA 30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	1,067.87	277.88
For 6" Overall Height Instead Of 4-5/8", Add	53.39	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-83.63	
26 05 36 00-1067 EA 36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	1,180.35	312.93
For 6" Overall Height Instead Of 4-5/8", Add	59.02	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-91.96	
<b>26 05 36 00-1068 36" Radius Vertical Tees (26 05 36 00-0955)</b>		
26 05 36 00-1069 EA 6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,401.11	217.59
For 6" Overall Height Instead Of 4-5/8", Add	70.06	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-121.98	
26 05 36 00-1070 EA 9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,430.93	227.39
For 6" Overall Height Instead Of 4-5/8", Add	71.55	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-124.14	
26 05 36 00-1071 EA 12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,462.92	238.56
For 6" Overall Height Instead Of 4-5/8", Add	73.15	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-126.42	
26 05 36 00-1072 EA 18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,517.91	263.39
For 6" Overall Height Instead Of 4-5/8", Add	75.90	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-129.84	
26 05 36 00-1073 EA 24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,555.56	277.88
For 6" Overall Height Instead Of 4-5/8", Add	77.78	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-132.40	
26 05 36 00-1074 EA 30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,654.38	312.93
For 6" Overall Height Instead Of 4-5/8", Add	82.72	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-139.36	
26 05 36 00-1075 EA 36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,741.68	357.27
For 6" Overall Height Instead Of 4-5/8", Add	87.08	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-144.40	
<b>26 05 36 00-1076 12" Radius Horizontal Crosses (26 05 36 00-0955)</b>		
26 05 36 00-1077 EA 6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	617.23	250.34
For 6" Overall Height Instead Of 4-5/8", Add	30.86	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.86	
26 05 36 00-1078 EA 9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	660.19	263.39
For 6" Overall Height Instead Of 4-5/8", Add	33.01	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.07	
26 05 36 00-1079 EA 12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	686.71	277.88
For 6" Overall Height Instead Of 4-5/8", Add	34.34	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.51	
26 05 36 00-1080 EA 18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	761.69	294.68
For 6" Overall Height Instead Of 4-5/8", Add	38.08	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.61	
26 05 36 00-1081 EA 24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	836.02	333.59
For 6" Overall Height Instead Of 4-5/8", Add	41.80	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.80	
26 05 36 00-1082 EA 30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	924.78	357.27
For 6" Overall Height Instead Of 4-5/8", Add	46.24	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.71	
26 05 36 00-1083 EA 36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	1,054.06	385.43
For 6" Overall Height Instead Of 4-5/8", Add	52.70	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-1084</b> <b>24" Radius Horizontal Crosses</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1085    EA    6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	846.70	277.88
For 6" Overall Height Instead Of 4-5/8", Add	42.34	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.51	
26 05 36 00-1086    EA    9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	886.39	294.68
For 6" Overall Height Instead Of 4-5/8", Add	44.32	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.08	
26 05 36 00-1087    EA    12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	928.60	312.93
For 6" Overall Height Instead Of 4-5/8", Add	46.43	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.78	
26 05 36 00-1088    EA    18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	984.25	333.59
For 6" Overall Height Instead Of 4-5/8", Add	49.21	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.62	
26 05 36 00-1089    EA    24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,108.17	385.43
For 6" Overall Height Instead Of 4-5/8", Add	55.41	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-78.70	
26 05 36 00-1090    EA    30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,194.21	417.24
For 6" Overall Height Instead Of 4-5/8", Add	59.71	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-84.65	
26 05 36 00-1091    EA    36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,320.41	454.80
For 6" Overall Height Instead Of 4-5/8", Add	66.02	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-94.14	
<b>26 05 36 00-1092</b> <b>36" Radius Horizontal Crosses</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1093    EA    6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	973.30	312.93
For 6" Overall Height Instead Of 4-5/8", Add	48.67	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.25	
26 05 36 00-1094    EA    9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,026.60	333.59
For 6" Overall Height Instead Of 4-5/8", Add	51.33	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-74.86	
26 05 36 00-1095    EA    12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,094.18	357.27
For 6" Overall Height Instead Of 4-5/8", Add	54.71	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-79.65	
26 05 36 00-1096    EA    18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,174.05	385.43
For 6" Overall Height Instead Of 4-5/8", Add	58.70	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.29	
26 05 36 00-1097    EA    24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,416.87	454.80
For 6" Overall Height Instead Of 4-5/8", Add	70.84	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-103.78	
26 05 36 00-1098    EA    30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,562.54	499.86
For 6" Overall Height Instead Of 4-5/8", Add	78.13	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-114.60	
26 05 36 00-1099    EA    36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,739.76	556.81
For 6" Overall Height Instead Of 4-5/8", Add	86.99	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-127.57	
<b>26 05 36 00-1100</b> <b>12" Radius Vertical Crosses</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1101    EA    6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	617.23	250.34
For 6" Overall Height Instead Of 4-5/8", Add	30.86	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.86	
26 05 36 00-1102    EA    9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	660.34	263.49
For 6" Overall Height Instead Of 4-5/8", Add	33.02	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.08	
26 05 36 00-1103    EA    12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	686.63	277.88
For 6" Overall Height Instead Of 4-5/8", Add	34.33	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.51	
26 05 36 00-1104    EA    18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	761.87	294.79
For 6" Overall Height Instead Of 4-5/8", Add	38.09	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.62	
26 05 36 00-1105    EA    24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	836.02	333.59
For 6" Overall Height Instead Of 4-5/8", Add	41.80	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.80	
26 05 36 00-1106    EA    30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	925.06	357.37
For 6" Overall Height Instead Of 4-5/8", Add	46.25	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.72	
26 05 36 00-1107    EA    36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,053.27	384.91
For 6" Overall Height Instead Of 4-5/8", Add	52.66	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.25	
<b>26 05 36 00-1108</b> <b>24" Radius Vertical Crosses</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1109    EA    6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	846.70	277.88
For 6" Overall Height Instead Of 4-5/8", Add	42.34	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.51	
26 05 36 00-1110    EA    9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	886.39	294.68
For 6" Overall Height Instead Of 4-5/8", Add	44.32	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.08	
26 05 36 00-1111    EA    12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	928.60	312.93
For 6" Overall Height Instead Of 4-5/8", Add	46.43	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.78	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1112 EA 18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	984.25	333.59
For 6" Overall Height Instead Of 4-5/8", Add	49.21	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.62	
26 05 36 00-1113 EA 24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,108.17	385.43
For 6" Overall Height Instead Of 4-5/8", Add	55.41	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-78.70	
26 05 36 00-1114 EA 30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,194.21	417.24
For 6" Overall Height Instead Of 4-5/8", Add	59.71	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-84.65	
26 05 36 00-1115 EA 36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,320.41	454.80
For 6" Overall Height Instead Of 4-5/8", Add	66.02	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-94.14	
<b>26 05 36 00-1116 36" Radius Vertical Crosses (26 05 36 00-0955)</b>		
26 05 36 00-1117 EA 6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,176.59	312.93
For 6" Overall Height Instead Of 4-5/8", Add	58.83	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-91.58	
26 05 36 00-1118 EA 9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,238.35	333.59
For 6" Overall Height Instead Of 4-5/8", Add	61.92	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-96.03	
26 05 36 00-1119 EA 12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,318.64	357.27
For 6" Overall Height Instead Of 4-5/8", Add	65.93	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-102.10	
26 05 36 00-1120 EA 18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,413.33	385.43
For 6" Overall Height Instead Of 4-5/8", Add	70.67	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-109.22	
26 05 36 00-1121 EA 24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,713.33	454.80
For 6" Overall Height Instead Of 4-5/8", Add	85.67	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-133.43	
26 05 36 00-1122 EA 30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,890.76	499.86
For 6" Overall Height Instead Of 4-5/8", Add	94.54	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-147.42	
26 05 36 00-1123 EA 36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,105.04	556.81
For 6" Overall Height Instead Of 4-5/8", Add	105.25	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-164.10	
<b>26 05 36 00-1124 9" Rung Tray Fittings (26 05 36 00-0744)</b>		
<b>26 05 36 00-1125 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1124)</b>		
26 05 36 00-1126 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	251.77	104.63
For 6" Overall Height Instead Of 4-5/8", Add	12.59	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.46	
26 05 36 00-1127 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	278.02	119.13
For 6" Overall Height Instead Of 4-5/8", Add	13.90	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.87	
26 05 36 00-1128 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	313.62	131.75
For 6" Overall Height Instead Of 4-5/8", Add	15.68	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.39	
26 05 36 00-1129 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	375.00	161.47
For 6" Overall Height Instead Of 4-5/8", Add	18.75	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.04	
26 05 36 00-1130 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	440.34	185.36
For 6" Overall Height Instead Of 4-5/8", Add	22.02	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.59	
26 05 36 00-1131 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	486.91	208.63
For 6" Overall Height Instead Of 4-5/8", Add	24.35	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.31	
26 05 36 00-1132 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	566.03	238.45
For 6" Overall Height Instead Of 4-5/8", Add	28.30	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.73	
<b>26 05 36 00-1133 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1124)</b>		
26 05 36 00-1134 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	318.60	108.80
For 6" Overall Height Instead Of 4-5/8", Add	15.93	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.79	
26 05 36 00-1135 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	351.59	125.07
For 6" Overall Height Instead Of 4-5/8", Add	17.58	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.74	
26 05 36 00-1136 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	381.80	139.05
For 6" Overall Height Instead Of 4-5/8", Add	19.09	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.59	
26 05 36 00-1137 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	450.57	172.74
For 6" Overall Height Instead Of 4-5/8", Add	22.53	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.67	
26 05 36 00-1138 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	512.32	200.38
For 6" Overall Height Instead Of 4-5/8", Add	25.62	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.54	
26 05 36 00-1139 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	574.12	227.39
For 6" Overall Height Instead Of 4-5/8", Add	28.71	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.46	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1140 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	658.62	263.39
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.93	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.91	
<b>26 05 36 00-1141 90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1142 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	340.49	113.70
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.02	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.57	
26 05 36 00-1143 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	374.21	131.64
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.71	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.46	
26 05 36 00-1144 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	418.09	147.29
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.90	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.53	
26 05 36 00-1145 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	503.08	185.36
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.15	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.86	
26 05 36 00-1146 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	582.29	217.59
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.11	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.09	
26 05 36 00-1147 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	658.41	250.34
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.92	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.98	
26 05 36 00-1148 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	766.64	294.16
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.33	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.16	
<b>26 05 36 00-1149 45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1150 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	177.32	75.83
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.87	
<i>For 30 Degree Bend, Deduct</i>	-53.31	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.42	
<i>For 60 Degree Bend, Deduct</i>	-29.46	
26 05 36 00-1151 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	204.47	90.96
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.22	
<i>For 30 Degree Bend, Deduct</i>	-59.42	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.87	
<i>For 60 Degree Bend, Deduct</i>	-32.62	
26 05 36 00-1152 EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	228.76	104.31
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.44	
<i>For 30 Degree Bend, Deduct</i>	-64.97	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.18	
<i>For 60 Degree Bend, Deduct</i>	-35.50	
26 05 36 00-1153 EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	284.39	131.85
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.22	
<i>For 30 Degree Bend, Deduct</i>	-79.52	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.45	
<i>For 60 Degree Bend, Deduct</i>	-43.32	
26 05 36 00-1154 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	349.51	161.47
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.48	
<i>For 30 Degree Bend, Deduct</i>	-98.04	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.50	
<i>For 60 Degree Bend, Deduct</i>	-53.44	
26 05 36 00-1155 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	401.12	185.36
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.06	
<i>For 30 Degree Bend, Deduct</i>	-112.48	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.66	
<i>For 60 Degree Bend, Deduct</i>	-61.31	
26 05 36 00-1156 EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	458.76	217.59
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.94	
<i>For 30 Degree Bend, Deduct</i>	-125.38	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.74	
<i>For 60 Degree Bend, Deduct</i>	-67.97	
<b>26 05 36 00-1157 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1158 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	198.94	78.23
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.95	
<i>For 30 Degree Bend, Deduct</i>	-63.81	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.38	
<i>For 60 Degree Bend, Deduct</i>	-35.68	
26 05 36 00-1159 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	233.66	94.30
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.68	
<i>For 30 Degree Bend, Deduct</i>	-73.50	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.51	
<i>For 60 Degree Bend, Deduct</i>	-40.95	
26 05 36 00-1160 EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	259.91	108.90
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.00	
<i>For 30 Degree Bend, Deduct</i>	-79.43	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.92	
<i>For 60 Degree Bend, Deduct</i>	-44.03	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1161 EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	316.12	139.05
For 6" Overall Height Instead Of 4-5/8", Add	15.81	
For 30 Degree Bend, Deduct	-92.73	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.02	
For 60 Degree Bend, Deduct	-51.00	
26 05 36 00-1162 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	385.86	172.74
For 6" Overall Height Instead Of 4-5/8", Add	19.29	
For 30 Degree Bend, Deduct	-111.48	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.19	
For 60 Degree Bend, Deduct	-61.13	
26 05 36 00-1163 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	451.54	200.38
For 6" Overall Height Instead Of 4-5/8", Add	22.58	
For 30 Degree Bend, Deduct	-131.48	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.46	
For 60 Degree Bend, Deduct	-72.21	
26 05 36 00-1164 EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	521.05	238.56
For 6" Overall Height Instead Of 4-5/8", Add	26.05	
For 30 Degree Bend, Deduct	-147.44	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.23	
For 60 Degree Bend, Deduct	-80.51	
<b>26 05 36 00-1165 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1124)</b>		
26 05 36 00-1166 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	226.65	80.74
For 6" Overall Height Instead Of 4-5/8", Add	11.33	
For 30 Degree Bend, Deduct	-77.58	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.94	
For 60 Degree Bend, Deduct	-43.86	
26 05 36 00-1167 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	257.50	98.05
For 6" Overall Height Instead Of 4-5/8", Add	12.88	
For 30 Degree Bend, Deduct	-84.44	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.58	
For 60 Degree Bend, Deduct	-47.40	
26 05 36 00-1168 EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	285.73	113.80
For 6" Overall Height Instead Of 4-5/8", Add	14.29	
For 30 Degree Bend, Deduct	-90.77	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.09	
For 60 Degree Bend, Deduct	-50.67	
26 05 36 00-1169 EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	351.43	147.29
For 6" Overall Height Instead Of 4-5/8", Add	17.57	
For 30 Degree Bend, Deduct	-107.34	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.87	
For 60 Degree Bend, Deduct	-59.50	
26 05 36 00-1170 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	438.38	185.36
For 6" Overall Height Instead Of 4-5/8", Add	21.92	
For 30 Degree Bend, Deduct	-132.97	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.39	
For 60 Degree Bend, Deduct	-73.60	
26 05 36 00-1171 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	499.94	217.59
For 6" Overall Height Instead Of 4-5/8", Add	25.00	
For 30 Degree Bend, Deduct	-148.03	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.86	
For 60 Degree Bend, Deduct	-81.56	
26 05 36 00-1172 EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	589.99	263.39
For 6" Overall Height Instead Of 4-5/8", Add	29.50	
For 30 Degree Bend, Deduct	-170.84	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.05	
For 60 Degree Bend, Deduct	-93.72	
<b>26 05 36 00-1173 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1124)</b>		
26 05 36 00-1174 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	281.70	104.31
For 6" Overall Height Instead Of 4-5/8", Add	14.09	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.48	
26 05 36 00-1175 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	312.33	119.13
For 6" Overall Height Instead Of 4-5/8", Add	15.62	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.30	
26 05 36 00-1176 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	335.19	131.75
For 6" Overall Height Instead Of 4-5/8", Add	16.76	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.54	
26 05 36 00-1177 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	388.72	161.47
For 6" Overall Height Instead Of 4-5/8", Add	19.44	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.42	
26 05 36 00-1178 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	434.45	185.36
For 6" Overall Height Instead Of 4-5/8", Add	21.72	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.00	
26 05 36 00-1179 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	479.07	208.63
For 6" Overall Height Instead Of 4-5/8", Add	23.95	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.52	
26 05 36 00-1180 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	532.21	238.14
For 6" Overall Height Instead Of 4-5/8", Add	26.61	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.38	
<b>26 05 36 00-1181 90 Degree, 24" Radius Vertical Risers (26 05 36 00-1124)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1182 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	298.01 14.90 -20.73	108.80
26 05 36 00-1183 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	330.19 16.51 -22.59	125.17
26 05 36 00-1184 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	356.31 17.82 -24.04	139.05
26 05 36 00-1185 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	419.20 20.96 -27.53	172.74
26 05 36 00-1186 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	473.11 23.66 -30.62	200.38
26 05 36 00-1187 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	526.08 26.30 -33.66	227.39
26 05 36 00-1188 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	595.88 29.79 -37.64	263.39
<b>26 05 36 00-1189 90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1190 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	369.90 18.50 -27.51	113.70
26 05 36 00-1191 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	403.82 20.19 -29.41	131.75
26 05 36 00-1192 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	441.62 22.08 -31.88	147.29
26 05 36 00-1193 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	512.88 25.64 -35.84	185.36
26 05 36 00-1194 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	574.45 28.72 -39.31	217.59
26 05 36 00-1195 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	644.68 32.23 -43.61	250.34
26 05 36 00-1196 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	727.42 36.37 -48.23	294.16
<b>26 05 36 00-1197 12" Radius Horizontal Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1198 EA 6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	453.50 22.68 -28.66	200.38
26 05 36 00-1199 EA 9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	490.14 24.51 -30.88	217.59
26 05 36 00-1200 EA 12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	508.44 25.42 -31.89	227.39
26 05 36 00-1201 EA 18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	572.13 28.61 -36.35	250.34
26 05 36 00-1202 EA 24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	633.77 31.69 -40.22	277.88
26 05 36 00-1203 EA 30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	689.14 34.46 -44.36	294.68
26 05 36 00-1204 EA 36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	793.27 39.66 -51.53	333.59
<b>26 05 36 00-1205 24" Radius Horizontal Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1206 EA 6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	566.60 28.33 -38.53	217.59
26 05 36 00-1207 EA 9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	613.21 30.66 -41.44	238.56
26 05 36 00-1208 EA 12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	638.80 31.94 -43.02	250.34
26 05 36 00-1209 EA 18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	704.36 35.22 -47.28	277.88

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1210 EA 24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	784.29	312.93
For 6" Overall Height Instead Of 4-5/8", Add	39.21	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.35	
26 05 36 00-1211 EA 30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	844.25	333.59
For 6" Overall Height Instead Of 4-5/8", Add	42.21	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.62	
26 05 36 00-1212 EA 36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,083.47	385.43
For 6" Overall Height Instead Of 4-5/8", Add	54.17	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.23	
<b>26 05 36 00-1213 36" Radius Horizontal Tees (26 05 36 00-1124)</b>		
26 05 36 00-1214 EA 6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	685.75	238.56
For 6" Overall Height Instead Of 4-5/8", Add	34.29	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.70	
26 05 36 00-1215 EA 9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	735.08	263.39
For 6" Overall Height Instead Of 4-5/8", Add	36.75	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.56	
26 05 36 00-1216 EA 12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	786.70	277.88
For 6" Overall Height Instead Of 4-5/8", Add	39.34	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.51	
26 05 36 00-1217 EA 18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	862.72	312.93
For 6" Overall Height Instead Of 4-5/8", Add	43.14	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.19	
26 05 36 00-1218 EA 24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	971.83	357.27
For 6" Overall Height Instead Of 4-5/8", Add	48.59	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.41	
26 05 36 00-1219 EA 30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,118.76	385.43
For 6" Overall Height Instead Of 4-5/8", Add	55.94	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-79.76	
26 05 36 00-1220 EA 36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,287.47	454.80
For 6" Overall Height Instead Of 4-5/8", Add	64.37	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-90.84	
<b>26 05 36 00-1221 12" Radius Vertical Tees (26 05 36 00-1124)</b>		
26 05 36 00-1222 EA 6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	577.59	185.36
For 6" Overall Height Instead Of 4-5/8", Add	28.88	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.31	
26 05 36 00-1223 EA 9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	597.61	192.66
For 6" Overall Height Instead Of 4-5/8", Add	29.88	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.70	
26 05 36 00-1224 EA 12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	612.32	200.38
For 6" Overall Height Instead Of 4-5/8", Add	30.62	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.54	
26 05 36 00-1225 EA 18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	646.99	217.59
For 6" Overall Height Instead Of 4-5/8", Add	32.35	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.56	
26 05 36 00-1226 EA 24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	686.86	227.39
For 6" Overall Height Instead Of 4-5/8", Add	34.34	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.73	
26 05 36 00-1227 EA 30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	730.95	250.34
For 6" Overall Height Instead Of 4-5/8", Add	36.55	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.23	
26 05 36 00-1228 EA 36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	786.70	277.88
For 6" Overall Height Instead Of 4-5/8", Add	39.34	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.51	
<b>26 05 36 00-1229 24" Radius Vertical Tees (26 05 36 00-1124)</b>		
26 05 36 00-1230 EA 6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	788.78	200.38
For 6" Overall Height Instead Of 4-5/8", Add	39.44	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.18	
26 05 36 00-1231 EA 9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	808.46	208.63
For 6" Overall Height Instead Of 4-5/8", Add	40.42	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.46	
26 05 36 00-1232 EA 12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	829.34	217.59
For 6" Overall Height Instead Of 4-5/8", Add	41.47	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.80	
26 05 36 00-1233 EA 18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	877.90	238.56
For 6" Overall Height Instead Of 4-5/8", Add	43.90	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.91	
26 05 36 00-1234 EA 24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	909.37	250.34
For 6" Overall Height Instead Of 4-5/8", Add	45.47	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.08	
26 05 36 00-1235 EA 30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	967.09	277.88
For 6" Overall Height Instead Of 4-5/8", Add	48.35	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.55	
26 05 36 00-1236 EA 36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,070.55	312.93
For 6" Overall Height Instead Of 4-5/8", Add	53.53	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.98	
<b>26 05 36 00-1237 36" Radius Vertical Tees (26 05 36 00-1124)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1238 EA 6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,228.04	217.59
For 6" Overall Height Instead Of 4-5/8", Add	61.40	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-104.67	
26 05 36 00-1239 EA 9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,255.62	227.39
For 6" Overall Height Instead Of 4-5/8", Add	62.78	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-106.61	
26 05 36 00-1240 EA 12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,285.35	238.56
For 6" Overall Height Instead Of 4-5/8", Add	64.27	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-108.66	
26 05 36 00-1241 EA 18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,338.10	263.39
For 6" Overall Height Instead Of 4-5/8", Add	66.91	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-111.86	
26 05 36 00-1242 EA 24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,373.50	277.88
For 6" Overall Height Instead Of 4-5/8", Add	68.68	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-114.19	
26 05 36 00-1243 EA 30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,465.58	312.93
For 6" Overall Height Instead Of 4-5/8", Add	73.28	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-120.48	
26 05 36 00-1244 EA 36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,550.63	357.27
For 6" Overall Height Instead Of 4-5/8", Add	77.53	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-125.29	
<b>26 05 36 00-1245 12" Radius Horizontal Crosses</b> (26 05 36 00-1124)		
26 05 36 00-1246 EA 6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	583.90	250.34
For 6" Overall Height Instead Of 4-5/8", Add	29.20	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.53	
26 05 36 00-1247 EA 9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	623.33	263.39
For 6" Overall Height Instead Of 4-5/8", Add	31.17	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.38	
26 05 36 00-1248 EA 12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	649.46	277.88
For 6" Overall Height Instead Of 4-5/8", Add	32.47	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.79	
26 05 36 00-1249 EA 18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	716.59	294.68
For 6" Overall Height Instead Of 4-5/8", Add	35.83	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.10	
26 05 36 00-1250 EA 24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	789.35	333.59
For 6" Overall Height Instead Of 4-5/8", Add	39.47	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.13	
26 05 36 00-1251 EA 30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	869.88	357.27
For 6" Overall Height Instead Of 4-5/8", Add	43.49	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.22	
26 05 36 00-1252 EA 36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	985.43	385.43
For 6" Overall Height Instead Of 4-5/8", Add	49.27	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.43	
<b>26 05 36 00-1253 24" Radius Horizontal Crosses</b> (26 05 36 00-1124)		
26 05 36 00-1254 EA 6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	782.78	277.88
For 6" Overall Height Instead Of 4-5/8", Add	39.14	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.12	
26 05 36 00-1255 EA 9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	820.51	294.68
For 6" Overall Height Instead Of 4-5/8", Add	41.03	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.50	
26 05 36 00-1256 EA 12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	860.76	312.93
For 6" Overall Height Instead Of 4-5/8", Add	43.04	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.00	
26 05 36 00-1257 EA 18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	912.88	333.59
For 6" Overall Height Instead Of 4-5/8", Add	45.64	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.49	
26 05 36 00-1258 EA 24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,030.53	385.43
For 6" Overall Height Instead Of 4-5/8", Add	51.53	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.94	
26 05 36 00-1259 EA 30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,111.08	417.24
For 6" Overall Height Instead Of 4-5/8", Add	55.55	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.34	
26 05 36 00-1260 EA 36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,226.69	454.80
For 6" Overall Height Instead Of 4-5/8", Add	61.33	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-84.77	
<b>26 05 36 00-1261 36" Radius Horizontal Crosses</b> (26 05 36 00-1124)		
26 05 36 00-1262 EA 6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	898.01	312.93
For 6" Overall Height Instead Of 4-5/8", Add	44.90	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.72	
26 05 36 00-1263 EA 9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	948.17	333.59
For 6" Overall Height Instead Of 4-5/8", Add	47.41	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.02	
26 05 36 00-1264 EA 12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,011.05	357.27
For 6" Overall Height Instead Of 4-5/8", Add	50.55	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.34	
26 05 36 00-1265 EA 18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,085.43	385.43
For 6" Overall Height Instead Of 4-5/8", Add	54.27	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.43	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1266 EA 24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,307.07	454.80
For 6" Overall Height Instead Of 4-5/8", Add	65.35	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-92.80	
26 05 36 00-1267 EA 30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,440.98	499.86
For 6" Overall Height Instead Of 4-5/8", Add	72.05	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-102.44	
26 05 36 00-1268 EA 36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,604.47	556.81
For 6" Overall Height Instead Of 4-5/8", Add	80.22	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-114.05	
<b>26 05 36 00-1269 12" Radius Vertical Crosses (26 05 36 00-1124)</b>		
26 05 36 00-1270 EA 6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	583.90	250.34
For 6" Overall Height Instead Of 4-5/8", Add	29.20	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.53	
26 05 36 00-1271 EA 9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	623.33	263.39
For 6" Overall Height Instead Of 4-5/8", Add	31.17	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.38	
26 05 36 00-1272 EA 12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	649.46	277.88
For 6" Overall Height Instead Of 4-5/8", Add	32.47	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.79	
26 05 36 00-1273 EA 18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	716.59	294.68
For 6" Overall Height Instead Of 4-5/8", Add	35.83	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.10	
26 05 36 00-1274 EA 24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	789.35	333.59
For 6" Overall Height Instead Of 4-5/8", Add	39.47	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.13	
26 05 36 00-1275 EA 30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	869.88	357.27
For 6" Overall Height Instead Of 4-5/8", Add	43.49	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.22	
26 05 36 00-1276 EA 36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	983.86	384.39
For 6" Overall Height Instead Of 4-5/8", Add	49.19	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.35	
<b>26 05 36 00-1277 24" Radius Vertical Crosses (26 05 36 00-1124)</b>		
26 05 36 00-1278 EA 6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	782.78	277.88
For 6" Overall Height Instead Of 4-5/8", Add	39.14	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.12	
26 05 36 00-1279 EA 9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	820.51	294.68
For 6" Overall Height Instead Of 4-5/8", Add	41.03	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.50	
26 05 36 00-1280 EA 12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	860.76	312.93
For 6" Overall Height Instead Of 4-5/8", Add	43.04	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.00	
26 05 36 00-1281 EA 18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	912.88	333.59
For 6" Overall Height Instead Of 4-5/8", Add	45.64	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.49	
26 05 36 00-1282 EA 24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,030.53	385.43
For 6" Overall Height Instead Of 4-5/8", Add	51.53	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.94	
26 05 36 00-1283 EA 30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,111.08	417.24
For 6" Overall Height Instead Of 4-5/8", Add	55.55	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.34	
26 05 36 00-1284 EA 36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,226.69	454.80
For 6" Overall Height Instead Of 4-5/8", Add	61.33	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-84.77	
<b>26 05 36 00-1285 36" Radius Vertical Crosses (26 05 36 00-1124)</b>		
26 05 36 00-1286 EA 6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,067.42	312.93
For 6" Overall Height Instead Of 4-5/8", Add	53.37	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.66	
26 05 36 00-1287 EA 9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,124.63	333.59
For 6" Overall Height Instead Of 4-5/8", Add	56.23	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-84.66	
26 05 36 00-1288 EA 12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,198.10	357.27
For 6" Overall Height Instead Of 4-5/8", Add	59.91	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-90.04	
26 05 36 00-1289 EA 18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,284.83	385.43
For 6" Overall Height Instead Of 4-5/8", Add	64.24	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-96.37	
26 05 36 00-1290 EA 24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,554.12	454.80
For 6" Overall Height Instead Of 4-5/8", Add	77.71	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-117.51	
26 05 36 00-1291 EA 30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,714.49	499.86
For 6" Overall Height Instead Of 4-5/8", Add	85.72	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-129.79	
26 05 36 00-1292 EA 36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,908.87	556.81
For 6" Overall Height Instead Of 4-5/8", Add	95.44	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-144.49	
<b>26 05 36 00-1293 12" Rung Tray Fittings (26 05 36 00-0744)</b>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-1294</b>				<b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
			EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	246.35	104.63
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.32	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.92	
			EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	272.46	119.13
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.62	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.32	
			EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	307.04	131.75
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.35	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.73	
			EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	367.59	161.47
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.38	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.30	
			EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	431.14	185.36
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.56	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.67	
			EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	477.16	208.63
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.86	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.33	
			EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	554.23	238.45
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.71	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.55	
<b>26 05 36 00-1302</b>				<b>90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
			EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	308.99	108.80
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.45	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.83	
			EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	341.57	125.07
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.08	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.73	
			EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	371.30	139.05
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.57	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.54	
			EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	439.18	172.74
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.96	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.53	
			EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	499.83	200.38
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.99	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.29	
			EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	560.46	227.39
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.02	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.09	
			EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	643.25	263.39
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.16	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.37	
<b>26 05 36 00-1310</b>				<b>90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
			EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	329.93	113.70
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.50	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.52	
			EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	363.37	131.64
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.17	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.37	
			EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	406.01	147.29
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.30	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.32	
			EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	489.49	185.36
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.47	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.50	
			EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	566.92	217.59
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.35	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.56	
			EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	641.52	250.34
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.08	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.29	
			EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	747.29	294.16
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.36	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.22	
<b>26 05 36 00-1318</b>				<b>45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
			EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	173.75	75.83
				<i>For 30 Degree Bend, Deduct</i>	-51.34	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.69	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.06	
				<i>For 60 Degree Bend, Deduct</i>	-28.28	
			EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	200.76	90.96
				<i>For 30 Degree Bend, Deduct</i>	-57.38	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.04	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.50	
				<i>For 60 Degree Bend, Deduct</i>	-31.40	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1321	EA		12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	224.92	104.31
			<i>For 30 Degree Bend, Deduct</i>	-62.86	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.25	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.80	
			<i>For 60 Degree Bend, Deduct</i>	-34.24	
26 05 36 00-1322	EA		18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	279.86	131.85
			<i>For 30 Degree Bend, Deduct</i>	-77.03	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.99	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.00	
			<i>For 60 Degree Bend, Deduct</i>	-41.83	
26 05 36 00-1323	EA		24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	343.88	161.47
			<i>For 30 Degree Bend, Deduct</i>	-94.94	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.19	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.93	
			<i>For 60 Degree Bend, Deduct</i>	-51.58	
26 05 36 00-1324	EA		30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	394.67	185.36
			<i>For 30 Degree Bend, Deduct</i>	-108.93	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.73	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.02	
			<i>For 60 Degree Bend, Deduct</i>	-59.18	
26 05 36 00-1325	EA		36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	452.04	217.59
			<i>For 30 Degree Bend, Deduct</i>	-121.68	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.60	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.07	
			<i>For 60 Degree Bend, Deduct</i>	-65.75	
<b>26 05 36 00-1326</b>			<b>45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1327	EA		6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	194.14	78.23
			<i>For 30 Degree Bend, Deduct</i>	-61.17	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.71	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.90	
			<i>For 60 Degree Bend, Deduct</i>	-34.09	
26 05 36 00-1328	EA		9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	228.30	94.30
			<i>For 30 Degree Bend, Deduct</i>	-70.55	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.42	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.97	
			<i>For 60 Degree Bend, Deduct</i>	-39.19	
26 05 36 00-1329	EA		12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	254.42	108.90
			<i>For 30 Degree Bend, Deduct</i>	-76.41	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.72	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.37	
			<i>For 60 Degree Bend, Deduct</i>	-42.22	
26 05 36 00-1330	EA		18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	310.22	139.05
			<i>For 30 Degree Bend, Deduct</i>	-89.49	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.51	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.43	
			<i>For 60 Degree Bend, Deduct</i>	-49.06	
26 05 36 00-1331	EA		24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	379.00	172.74
			<i>For 30 Degree Bend, Deduct</i>	-107.71	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.95	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.51	
			<i>For 60 Degree Bend, Deduct</i>	-58.87	
26 05 36 00-1332	EA		30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	443.31	200.38
			<i>For 30 Degree Bend, Deduct</i>	-126.96	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.17	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.64	
			<i>For 60 Degree Bend, Deduct</i>	-69.50	
26 05 36 00-1333	EA		36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	512.41	238.56
			<i>For 30 Degree Bend, Deduct</i>	-142.69	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.62	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.36	
			<i>For 60 Degree Bend, Deduct</i>	-77.66	
<b>26 05 36 00-1334</b>			<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1335	EA		6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	220.20	80.74
			<i>For 30 Degree Bend, Deduct</i>	-74.04	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.01	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.30	
			<i>For 60 Degree Bend, Deduct</i>	-41.73	
26 05 36 00-1336	EA		9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	250.92	98.05
			<i>For 30 Degree Bend, Deduct</i>	-80.82	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.55	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.92	
			<i>For 60 Degree Bend, Deduct</i>	-45.22	
26 05 36 00-1337	EA		12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	279.01	113.80
			<i>For 30 Degree Bend, Deduct</i>	-87.07	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.95	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.42	
			<i>For 60 Degree Bend, Deduct</i>	-48.45	
26 05 36 00-1338	EA		18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	344.02	147.29
			<i>For 30 Degree Bend, Deduct</i>	-103.27	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.20	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.12	
			<i>For 60 Degree Bend, Deduct</i>	-57.05	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1339 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	429.32	185.36
<i>For 30 Degree Bend, Deduct</i>	-127.99	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.47	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.48	
<i>For 60 Degree Bend, Deduct</i>	-70.61	
26 05 36 00-1340 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	490.33	217.59
<i>For 30 Degree Bend, Deduct</i>	-142.74	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.52	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.90	
<i>For 60 Degree Bend, Deduct</i>	-78.39	
26 05 36 00-1341 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	579.43	263.39
<i>For 30 Degree Bend, Deduct</i>	-165.03	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.97	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.99	
<i>For 60 Degree Bend, Deduct</i>	-90.24	
<b>26 05 36 00-1342 90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1343 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	270.91	104.31
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.55	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.40	
26 05 36 00-1344 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	300.96	119.13
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.05	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.17	
26 05 36 00-1345 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	323.62	131.75
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.18	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.39	
26 05 36 00-1346 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	376.76	161.47
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.84	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.22	
26 05 36 00-1347 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	421.91	185.36
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.10	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.74	
26 05 36 00-1348 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	465.93	208.63
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.30	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.21	
26 05 36 00-1349 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	518.68	238.14
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.93	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.02	
<b>26 05 36 00-1350 90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1351 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	286.35	108.80
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.32	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.57	
26 05 36 00-1352 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	318.04	125.17
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.90	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.37	
26 05 36 00-1353 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	343.86	139.05
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.19	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.80	
26 05 36 00-1354 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	406.06	172.74
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.30	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.21	
26 05 36 00-1355 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	459.19	200.38
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.96	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.22	
26 05 36 00-1356 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	511.38	227.39
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.57	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.19	
26 05 36 00-1357 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	580.19	263.39
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.01	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.07	
<b>26 05 36 00-1358 90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1359 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	351.87	113.70
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.59	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.71	
26 05 36 00-1360 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	385.38	131.75
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.27	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.56	
26 05 36 00-1361 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	422.01	147.29
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.10	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.92	
26 05 36 00-1362 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	492.49	185.36
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.62	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.80	
26 05 36 00-1363 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	553.27	217.59
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.66	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.19	
26 05 36 00-1364 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	621.94	250.34
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.10	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.33	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1365 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	703.70	294.16
For 6" Overall Height Instead Of 4-5/8", Add	35.19	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.86	
<b>26 05 36 00-1366 12" Radius Horizontal Tees (26 05 36 00-1293)</b>		
26 05 36 00-1367 EA 6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	441.54	200.38
For 6" Overall Height Instead Of 4-5/8", Add	22.08	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.46	
26 05 36 00-1368 EA 9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	477.39	217.59
For 6" Overall Height Instead Of 4-5/8", Add	23.87	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.60	
26 05 36 00-1369 EA 12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	495.50	227.39
For 6" Overall Height Instead Of 4-5/8", Add	24.78	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.60	
26 05 36 00-1370 EA 18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	556.65	250.34
For 6" Overall Height Instead Of 4-5/8", Add	27.83	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.80	
26 05 36 00-1371 EA 24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	616.71	277.88
For 6" Overall Height Instead Of 4-5/8", Add	30.84	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.51	
26 05 36 00-1372 EA 30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	669.34	294.68
For 6" Overall Height Instead Of 4-5/8", Add	33.47	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.38	
26 05 36 00-1373 EA 36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	769.55	333.59
For 6" Overall Height Instead Of 4-5/8", Add	38.48	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.15	
<b>26 05 36 00-1374 24" Radius Horizontal Tees (26 05 36 00-1293)</b>		
26 05 36 00-1375 EA 6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	546.21	217.59
For 6" Overall Height Instead Of 4-5/8", Add	27.31	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.49	
26 05 36 00-1376 EA 9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	591.64	238.56
For 6" Overall Height Instead Of 4-5/8", Add	29.58	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.29	
26 05 36 00-1377 EA 12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	616.64	250.34
For 6" Overall Height Instead Of 4-5/8", Add	30.83	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.80	
26 05 36 00-1378 EA 18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	680.24	277.88
For 6" Overall Height Instead Of 4-5/8", Add	34.01	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.86	
26 05 36 00-1379 EA 24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	758.02	312.93
For 6" Overall Height Instead Of 4-5/8", Add	37.90	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.72	
26 05 36 00-1380 EA 30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	815.43	333.59
For 6" Overall Height Instead Of 4-5/8", Add	40.77	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.74	
26 05 36 00-1381 EA 36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	1,039.35	385.43
For 6" Overall Height Instead Of 4-5/8", Add	51.97	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.82	
<b>26 05 36 00-1382 36" Radius Horizontal Tees (26 05 36 00-1293)</b>		
26 05 36 00-1383 EA 6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	656.93	238.56
For 6" Overall Height Instead Of 4-5/8", Add	32.85	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.82	
26 05 36 00-1384 EA 9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	705.48	263.39
For 6" Overall Height Instead Of 4-5/8", Add	35.27	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.60	
26 05 36 00-1385 EA 12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	754.35	277.88
For 6" Overall Height Instead Of 4-5/8", Add	37.72	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.28	
26 05 36 00-1386 EA 18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	828.60	312.93
For 6" Overall Height Instead Of 4-5/8", Add	41.43	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.78	
26 05 36 00-1387 EA 24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	934.19	357.27
For 6" Overall Height Instead Of 4-5/8", Add	46.71	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.65	
26 05 36 00-1388 EA 30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,071.11	385.43
For 6" Overall Height Instead Of 4-5/8", Add	53.56	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.00	
26 05 36 00-1389 EA 36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,234.53	454.80
For 6" Overall Height Instead Of 4-5/8", Add	61.73	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.55	
<b>26 05 36 00-1390 12" Radius Vertical Tees (26 05 36 00-1293)</b>		
26 05 36 00-1391 EA 6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	550.72	185.36
For 6" Overall Height Instead Of 4-5/8", Add	27.54	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.62	
26 05 36 00-1392 EA 9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	569.96	192.66
For 6" Overall Height Instead Of 4-5/8", Add	28.50	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1393 EA 12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	584.48	200.38
For 6" Overall Height Instead Of 4-5/8", Add	29.22	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.75	
26 05 36 00-1394 EA 18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	618.56	217.59
For 6" Overall Height Instead Of 4-5/8", Add	30.93	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.72	
26 05 36 00-1395 EA 24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	656.08	227.39
For 6" Overall Height Instead Of 4-5/8", Add	32.80	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.66	
26 05 36 00-1396 EA 30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	699.58	250.34
For 6" Overall Height Instead Of 4-5/8", Add	34.98	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.10	
26 05 36 00-1397 EA 36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	754.35	277.88
For 6" Overall Height Instead Of 4-5/8", Add	37.72	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.28	
<b>26 05 36 00-1398 24" Radius Vertical Tees</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1399 EA 6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	743.29	200.38
For 6" Overall Height Instead Of 4-5/8", Add	37.16	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.63	
26 05 36 00-1400 EA 9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	762.39	208.63
For 6" Overall Height Instead Of 4-5/8", Add	38.12	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.85	
26 05 36 00-1401 EA 12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	782.67	217.59
For 6" Overall Height Instead Of 4-5/8", Add	39.13	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.13	
26 05 36 00-1402 EA 18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	829.86	238.56
For 6" Overall Height Instead Of 4-5/8", Add	41.49	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.11	
26 05 36 00-1403 EA 24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	860.16	250.34
For 6" Overall Height Instead Of 4-5/8", Add	43.01	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.15	
26 05 36 00-1404 EA 30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	916.70	277.88
For 6" Overall Height Instead Of 4-5/8", Add	45.84	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.51	
26 05 36 00-1405 EA 36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,015.66	312.93
For 6" Overall Height Instead Of 4-5/8", Add	50.78	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.49	
<b>26 05 36 00-1406 36" Radius Vertical Tees</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1407 EA 6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,141.51	217.59
For 6" Overall Height Instead Of 4-5/8", Add	57.08	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-96.02	
26 05 36 00-1408 EA 9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,167.96	227.39
For 6" Overall Height Instead Of 4-5/8", Add	58.40	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-97.84	
26 05 36 00-1409 EA 12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,196.57	238.56
For 6" Overall Height Instead Of 4-5/8", Add	59.83	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-99.78	
26 05 36 00-1410 EA 18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,248.19	263.39
For 6" Overall Height Instead Of 4-5/8", Add	62.41	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-102.87	
26 05 36 00-1411 EA 24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,282.47	277.88
For 6" Overall Height Instead Of 4-5/8", Add	64.12	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-105.09	
26 05 36 00-1412 EA 30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,371.17	312.93
For 6" Overall Height Instead Of 4-5/8", Add	68.56	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-111.04	
26 05 36 00-1413 EA 36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,455.11	357.27
For 6" Overall Height Instead Of 4-5/8", Add	72.76	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-115.74	
<b>26 05 36 00-1414 12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1415 EA 6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	567.23	250.34
For 6" Overall Height Instead Of 4-5/8", Add	28.36	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.86	
26 05 36 00-1416 EA 9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	604.89	263.39
For 6" Overall Height Instead Of 4-5/8", Add	30.24	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.54	
26 05 36 00-1417 EA 12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	630.83	277.88
For 6" Overall Height Instead Of 4-5/8", Add	31.54	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.92	
26 05 36 00-1418 EA 18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	694.04	294.68
For 6" Overall Height Instead Of 4-5/8", Add	34.70	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.85	
26 05 36 00-1419 EA 24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	766.02	333.59
For 6" Overall Height Instead Of 4-5/8", Add	38.30	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.80	
26 05 36 00-1420 EA 30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	842.43	357.27
For 6" Overall Height Instead Of 4-5/8", Add	42.12	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.47	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1421	EA		36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	951.12 47.56 -63.00	385.43
<b>26 05 36 00-1422</b>			<b>24" Radius Horizontal Crosses</b> (26 05 36 00-1293)		
26 05 36 00-1423	EA		6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	750.82 37.54 -51.92	277.88
26 05 36 00-1424	EA		9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	787.57 39.38 -54.20	294.68
26 05 36 00-1425	EA		12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	826.84 41.34 -56.61	312.93
26 05 36 00-1426	EA		18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	877.19 43.86 -59.92	333.59
26 05 36 00-1427	EA		24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	991.71 49.59 -67.06	385.43
26 05 36 00-1428	EA		30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,069.51 53.48 -72.18	417.24
26 05 36 00-1429	EA		36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,179.83 58.99 -80.08	454.80
<b>26 05 36 00-1430</b>			<b>36" Radius Horizontal Crosses</b> (26 05 36 00-1293)		
26 05 36 00-1431	EA		6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	860.37 43.02 -59.96	312.93
26 05 36 00-1432	EA		9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	908.96 45.45 -63.09	333.59
26 05 36 00-1433	EA		12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	969.48 48.47 -67.18	357.27
26 05 36 00-1434	EA		18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,041.12 52.06 -72.00	385.43
26 05 36 00-1435	EA		24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,252.18 62.61 -87.31	454.80
26 05 36 00-1436	EA		30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,380.19 69.01 -96.36	499.86
26 05 36 00-1437	EA		36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,536.83 76.84 -107.28	556.81
<b>26 05 36 00-1438</b>			<b>12" Radius Vertical Crosses</b> (26 05 36 00-1293)		
26 05 36 00-1439	EA		6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	567.23 28.36 -35.86	250.34
26 05 36 00-1440	EA		9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	605.04 30.25 -38.55	263.49
26 05 36 00-1441	EA		12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	630.75 31.54 -39.92	277.88
26 05 36 00-1442	EA		18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	694.22 34.71 -44.86	294.79
26 05 36 00-1443	EA		24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	766.02 38.30 -48.80	333.59
26 05 36 00-1444	EA		30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	842.71 42.14 -54.49	357.37
26 05 36 00-1445	EA		36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	950.33 47.52 -62.96	384.91
<b>26 05 36 00-1446</b>			<b>24" Radius Vertical Crosses</b> (26 05 36 00-1293)		
26 05 36 00-1447	EA		6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	750.82 37.54 -51.92	277.88
26 05 36 00-1448	EA		9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	787.57 39.38 -54.20	294.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1449 EA 12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	826.84	312.93
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.34	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.61	
26 05 36 00-1450 EA 18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	877.19	333.59
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.86	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.92	
26 05 36 00-1451 EA 24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	991.71	385.43
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	49.59	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.06	
26 05 36 00-1452 EA 30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,069.51	417.24
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	53.48	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.18	
26 05 36 00-1453 EA 36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,179.83	454.80
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	58.99	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.08	
<b>26 05 36 00-1454 36" Radius Vertical Crosses</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1455 EA 6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,012.83	312.93
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	50.64	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.21	
26 05 36 00-1456 EA 9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,067.77	333.59
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	53.39	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.98	
26 05 36 00-1457 EA 12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,137.83	357.27
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	56.89	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.01	
26 05 36 00-1458 EA 18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,220.58	385.43
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	61.03	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.94	
26 05 36 00-1459 EA 24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,474.52	454.80
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	73.73	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.55	
26 05 36 00-1460 EA 30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,626.36	499.86
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	81.32	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-120.98	
26 05 36 00-1461 EA 36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,810.78	556.81
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	90.54	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-134.68	
<b>26 05 36 00-1462 Dropout Or End Plates And Reducers</b> <small>(26 05 36 00-0744)</small>		
<b>26 05 36 00-1463 Straight Reducers</b> <small>(26 05 36 00-1462)</small>		
26 05 36 00-1464 EA 9"-6" Reducer, Aluminum Cable Tray.....	216.57	76.98
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.83	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.24	
26 05 36 00-1465 EA 12"-9" Reducer, Aluminum Cable Tray.....	229.13	83.34
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.46	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.97	
26 05 36 00-1466 EA 18"-12" Reducer, Aluminum Cable Tray.....	252.53	96.18
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.63	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.23	
26 05 36 00-1467 EA 24"-18" Reducer, Aluminum Cable Tray.....	279.59	111.30
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.98	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.69	
26 05 36 00-1468 EA 30"-24" Reducer, Aluminum Cable Tray.....	304.70	125.17
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.24	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.04	
26 05 36 00-1469 EA 36"-30" Reducer, Aluminum Cable Tray.....	340.33	143.01
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.02	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.11	
<b>26 05 36 00-1470 Reducers</b> <small>(26 05 36 00-1462)</small>		
26 05 36 00-1471 EA 18"-6" Reducer, Aluminum Cable Tray.....	252.63	96.28
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.63	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.24	
26 05 36 00-1472 EA 24"-12" Reducer, Aluminum Cable Tray.....	279.85	111.41
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.99	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.70	
26 05 36 00-1473 EA 30"-12" Reducer, Aluminum Cable Tray.....	304.53	125.07
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.23	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.03	
26 05 36 00-1474 EA 30"-18" Reducer, Aluminum Cable Tray.....	306.32	124.96
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.32	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.22	
26 05 36 00-1475 EA 36"-12" Reducer, Aluminum Cable Tray.....	338.37	143.01
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.92	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.92	
26 05 36 00-1476 EA 36"-18" Reducer, Aluminum Cable Tray.....	346.59	146.77
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.33	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.43	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1477	EA		36"-24" Reducer, Aluminum Cable Tray ..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	358.33 17.92 -23.21	151.46
<b>26 05 36 00-1478</b>			<b>Dropout Or End Plate</b> <small>(26 05 36 00-1462)</small>		
26 05 36 00-1479	EA		6" Dropout Or End Plate, Aluminum Cable Tray .....	63.82	31.29
26 05 36 00-1480	EA		9" Dropout Or End Plate, Aluminum Cable Tray .....	72.01	35.78
26 05 36 00-1481	EA		12" Dropout Or End Plate, Aluminum Cable Tray .....	77.68	38.49
26 05 36 00-1482	EA		18" Dropout Or End Plate, Aluminum Cable Tray .....	93.96	45.48
26 05 36 00-1483	EA		24" Dropout Or End Plate, Aluminum Cable Tray .....	104.71	50.07
26 05 36 00-1484	EA		30" Dropout Or End Plate, Aluminum Cable Tray .....	118.03	55.60
26 05 36 00-1485	EA		36" Dropout Or End Plate, Aluminum Cable Tray .....	132.45	62.59
<b>26 05 36 00-1486</b>			<b>Solid Bottom Cable Tray</b> <small>(26 05 36 00-0001)</small> Note: 3-5/8" Height.		
<b>26 05 36 00-1487</b>			<b>Solid Bottom Galvanized Steel Straight Tray Sections</b> <small>(26 05 36 00-1486)</small>		
26 05 36 00-1488	LF		6" Solid Bottom Steel Cable Tray, Straight Section .....	27.94	8.14
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2.83	
26 05 36 00-1489	LF		12" Solid Bottom Steel Cable Tray, Straight Section.....	34.84	10.02
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	3.56	
26 05 36 00-1490	LF		18" Solid Bottom Steel Cable Tray, Straight Section.....	46.32	14.40
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	4.55	
26 05 36 00-1491	LF		24" Solid Bottom Steel Cable Tray, Straight Section.....	53.62	16.48
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	5.29	
26 05 36 00-1492	LF		30" Solid Bottom Steel Cable Tray, Straight Section.....	64.24	19.92
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	6.31	
26 05 36 00-1493	LF		36" Solid Bottom Steel Cable Tray, Straight Section.....	82.44	22.85
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	8.56	
<b>26 05 36 00-1494</b>			<b>Solid Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-1486)</small>		
<b>26 05 36 00-1495</b>			<b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1496	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray .....	282.26	104.42
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	24.94	
26 05 36 00-1497	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	366.15	146.87
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	30.44	
26 05 36 00-1498	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	447.59	185.36
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.24	
26 05 36 00-1499	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	548.53	227.71
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	44.32	
26 05 36 00-1500	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	641.19	263.91
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	52.20	
26 05 36 00-1501	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	720.69	294.68
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	58.99	
<b>26 05 36 00-1502</b>			<b>90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1503	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray .....	335.01	108.69
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.13	
26 05 36 00-1504	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	440.81	156.57
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	40.02	
26 05 36 00-1505	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	541.82	200.38
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	47.88	
26 05 36 00-1506	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	659.82	250.34
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	57.25	
26 05 36 00-1507	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	773.91	294.16
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	67.07	
26 05 36 00-1508	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	874.42	333.59
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	75.56	
<b>26 05 36 00-1509</b>			<b>90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1510	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	414.50	113.59
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	43.25	
26 05 36 00-1511	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	532.02	167.21
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	51.94	
26 05 36 00-1512	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	672.92	217.91
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	64.62	
26 05 36 00-1513	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	798.90	277.88
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	73.52	
26 05 36 00-1514	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	958.88	333.59
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	88.23	
26 05 36 00-1515	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,093.41	384.39
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	99.94	
<b>26 05 36 00-1516</b>			<b>45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1517	EA		6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	255.31	104.42
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	20.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1518 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	335.83 25.89	146.87
26 05 36 00-1519 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	412.57 31.02	185.16
26 05 36 00-1520 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	505.73 37.96	227.39
26 05 36 00-1521 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	590.83 44.65	263.91
26 05 36 00-1522 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	662.37 50.34	294.16
<b>26 05 36 00-1523 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1524 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	296.68 26.37	108.80
26 05 36 00-1525 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	395.61 33.26	156.46
26 05 36 00-1526 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	490.27 40.11	200.60
26 05 36 00-1527 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	599.17 48.15	250.34
26 05 36 00-1528 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	703.91 56.48	294.68
26 05 36 00-1529 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	794.82 63.62	333.59
<b>26 05 36 00-1530 45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1531 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	358.46 34.82	113.70
26 05 36 00-1532 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	442.75 41.14	151.56
26 05 36 00-1533 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	595.49 53.00	217.91
26 05 36 00-1534 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	715.80 60.97	278.41
26 05 36 00-1535 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	858.17 73.12	333.59
26 05 36 00-1536 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	981.81 83.04	385.43
<b>26 05 36 00-1537 90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1538 EA 6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	305.63 28.49	104.11
26 05 36 00-1539 EA 12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	383.48 33.04	146.87
26 05 36 00-1540 EA 18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	449.75 36.57	185.36
26 05 36 00-1541 EA 24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	544.20 43.67	227.71
26 05 36 00-1542 EA 30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	615.20 48.30	263.91
26 05 36 00-1543 EA 36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	672.11 51.80	294.16
<b>26 05 36 00-1544 90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1545 EA 6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	367.50 37.00	108.69
26 05 36 00-1546 EA 12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	464.63 43.59	156.57
26 05 36 00-1547 EA 18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	554.82 49.83	200.38
26 05 36 00-1548 EA 24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	657.65 56.92	250.34
26 05 36 00-1549 EA 30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	743.59 62.52	294.16
26 05 36 00-1550 EA 36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	833.26 69.39	333.59
<b>26 05 36 00-1551 90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1552 EA 6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	442.66 47.47	113.59
26 05 36 00-1553 EA 12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	536.91 55.22	151.88
26 05 36 00-1554 EA 18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	672.92 64.62	217.91
26 05 36 00-1555 EA 24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	803.23 74.17	277.88
26 05 36 00-1556 EA 30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	926.40 83.36	333.59

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1557	EA		36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,043.59 92.46	384.39
<b>26 05 36 00-1558</b>			<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1559	EA		6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	485.51 39.44	200.38
26 05 36 00-1560	EA		12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	581.19 45.52	249.93
26 05 36 00-1561	EA		18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	686.04 53.80	294.68
26 05 36 00-1562	EA		24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	815.49 62.65	358.00
26 05 36 00-1563	EA		30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	891.39 69.48	385.43
26 05 36 00-1564	EA		36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,043.98 80.79	454.80
<b>26 05 36 00-1565</b>			<b>24" Radius Horizontal Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1566	EA		6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	598.77 53.55	217.59
26 05 36 00-1567	EA		12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	738.26 64.42	277.88
26 05 36 00-1568	EA		18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	861.42 73.61	333.59
26 05 36 00-1569	EA		24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,109.09 96.82	417.24
26 05 36 00-1570	EA		30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,208.58 105.48	454.80
26 05 36 00-1571	EA		36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,415.35 119.50	556.81
<b>26 05 36 00-1572</b>			<b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1573	EA		6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	767.90 75.43	238.56
26 05 36 00-1574	EA		12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	935.24 88.13	312.93
26 05 36 00-1575	EA		18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,092.81 99.69	385.43
26 05 36 00-1576	EA		24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,336.37 124.65	454.80
26 05 36 00-1577	EA		30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,463.94 136.01	501.53
26 05 36 00-1578	EA		36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,692.88 149.62	625.87
<b>26 05 36 00-1579</b>			<b>12" Radius Vertical Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1580	EA		6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	582.98 54.06	200.38
26 05 36 00-1581	EA		12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	677.15 59.85	250.34
26 05 36 00-1582	EA		18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	727.43 62.80	277.88
26 05 36 00-1583	EA		24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	780.41 68.04	294.16
26 05 36 00-1584	EA		30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	865.75 74.26	333.59
26 05 36 00-1585	EA		36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	962.86 80.20	385.43
<b>26 05 36 00-1586</b>			<b>24" Radius Vertical Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1587	EA		6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	730.89 73.36	217.59
26 05 36 00-1588	EA		12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	848.72 80.99	277.88
26 05 36 00-1589	EA		18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	926.58 86.83	312.93
26 05 36 00-1590	EA		24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	980.54 91.48	333.59
26 05 36 00-1591	EA		30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,107.98 101.97	385.43
26 05 36 00-1592	EA		36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,245.40 111.00	454.80
<b>26 05 36 00-1593</b>			<b>36" Radius Vertical Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1594	EA		6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	970.88 105.94	238.14





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1595 EA 12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,106.35 113.80	312.93
26 05 36 00-1596 EA 18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,223.49 123.99	357.27
26 05 36 00-1597 EA 24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,292.08 129.58	385.43
26 05 36 00-1598 EA 30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,516.14 151.61	454.80
26 05 36 00-1599 EA 36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,634.54 161.87	499.86
<b>26 05 36 00-1600 12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1601 EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	599.17 48.15	250.34
26 05 36 00-1602 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	688.21 54.12	294.68
26 05 36 00-1603 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	827.13 64.53	357.27
26 05 36 00-1604 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	955.32 73.76	417.24
26 05 36 00-1605 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,123.39 85.19	499.86
26 05 36 00-1606 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,246.42 94.16	556.81
<b>26 05 36 00-1607 24" Radius Horizontal Crosses</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1608 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	795.40 72.91	278.41
26 05 36 00-1609 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	926.40 83.36	333.59
26 05 36 00-1610 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,109.09 96.82	417.24
26 05 36 00-1611 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,366.47 121.39	501.53
26 05 36 00-1612 EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,501.99 132.50	556.81
26 05 36 00-1613 EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,649.56 143.12	625.87
<b>26 05 36 00-1614 36" Radius Horizontal Crosses</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1615 EA 6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,063.03 107.30	312.93
26 05 36 00-1616 EA 12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,237.93 121.46	385.43
26 05 36 00-1617 EA 18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,485.60 139.26	501.53
26 05 36 00-1618 EA 24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,696.92 161.74	556.81
26 05 36 00-1619 EA 30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,876.98 177.24	625.87
26 05 36 00-1620 EA 36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,078.78 192.74	714.43
<b>26 05 36 00-1621 Straight Reducers</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1622 EA 12"-6" Reducer, Solid Bottom, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	245.21 22.87	83.44
26 05 36 00-1623 EA 18"-12" Reducer, Solid Bottom, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	265.48 24.10	94.30
26 05 36 00-1624 EA 24"-18" Reducer, Solid Bottom, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	293.73 25.95	108.69
26 05 36 00-1625 EA 30"-24" Reducer, Solid Bottom, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	329.92 28.63	125.17
26 05 36 00-1626 EA 36"-30" Reducer, Solid Bottom, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	357.01 30.41	138.84
<b>26 05 36 00-1627 Reducers</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1628 EA 18"-6" Reducer, Solid Bottom, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	265.57 24.11	94.40
26 05 36 00-1629 EA 24"-12" Reducer, Solid Bottom, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	291.94 25.64	108.90
26 05 36 00-1630 EA 30"-12" Reducer, Solid Bottom, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	325.42 27.97	125.07
26 05 36 00-1631 EA 30"-18" Reducer, Solid Bottom, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	327.41 28.28	124.96
26 05 36 00-1632 EA 36"-12" Reducer, Solid Bottom, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	354.85 30.09	138.84
26 05 36 00-1633 EA 36"-18" Reducer, Solid Bottom, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	357.01 30.41	138.84

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1634 EA 36"-24" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	359.60 30.76	139.05
<b>26 05 36 00-1635 Dropout Or End Plate</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1636 EA 6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	74.24	31.29
26 05 36 00-1637 EA 12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	91.14	38.18
26 05 36 00-1638 EA 18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	104.98	45.27
26 05 36 00-1639 EA 24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	118.20	50.07
26 05 36 00-1640 EA 30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	131.63	55.60
26 05 36 00-1641 EA 36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	146.00	62.59
<b>26 05 36 00-1642 Solid Bottom Aluminum Straight Cable Tray Sections</b> <small>(26 05 36 00-1486)</small>		
26 05 36 00-1643 LF 6" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	24.84 2.63	6.57
26 05 36 00-1644 LF 12" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	31.01 3.37	7.72
26 05 36 00-1645 LF 18" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	39.60 4.26	10.02
26 05 36 00-1646 LF 24" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	47.19 5.24	11.06
26 05 36 00-1647 LF 30" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	57.79 6.29	14.29
26 05 36 00-1648 LF 36" Solid Bottom Steel Aluminum Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	68.83 7.71	15.65
<b>26 05 36 00-1649 Solid Bottom Aluminum Cable Tray Fittings</b> <small>(26 05 36 00-1486)</small>		
<b>26 05 36 00-1650 90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1651 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	285.51 25.43	104.42
26 05 36 00-1652 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	344.62 29.78	131.43
26 05 36 00-1653 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	398.69 35.27	147.18
26 05 36 00-1654 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	464.18 40.81	172.84
26 05 36 00-1655 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	548.70 48.87	200.60
26 05 36 00-1656 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	620.10 55.06	227.71
<b>26 05 36 00-1657 90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1658 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	339.83 32.85	108.69
26 05 36 00-1659 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	420.24 39.84	139.26
26 05 36 00-1660 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	475.15 45.19	156.46
26 05 36 00-1661 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	573.88 55.19	185.36
26 05 36 00-1662 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	665.44 63.60	217.28
26 05 36 00-1663 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	765.81 73.15	250.34
<b>26 05 36 00-1664 90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1665 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	424.53 44.75	113.59
26 05 36 00-1666 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	528.12 54.64	147.50
26 05 36 00-1667 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	613.24 64.13	167.21
26 05 36 00-1668 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	692.50 70.53	200.06
26 05 36 00-1669 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	803.61 80.79	238.56
26 05 36 00-1670 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	938.17 94.49	277.46
<b>26 05 36 00-1671 45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1672 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	261.09 21.75	104.42
26 05 36 00-1673 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	317.02 25.64	131.43
26 05 36 00-1674 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	364.72 30.20	147.08



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1675	EA			24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	424.82 34.97	172.53
26 05 36 00-1676	EA			30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	501.54 41.80	200.60
26 05 36 00-1677	EA			36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	566.09 47.06	227.08
<b>26 05 36 00-1678</b>				<b>45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1679	EA			6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	305.06 27.62	108.80
26 05 36 00-1680	EA			12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	378.63 33.61	139.05
26 05 36 00-1681	EA			18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	428.51 38.15	156.78
26 05 36 00-1682	EA			24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	515.60 46.44	185.36
26 05 36 00-1683	EA			30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	599.74 53.64	217.91
26 05 36 00-1684	EA			36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	689.12 61.64	250.34
<b>26 05 36 00-1685</b>				<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1686	EA			6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	373.04 37.00	113.70
26 05 36 00-1687	EA			12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	465.55 45.30	147.18
26 05 36 00-1688	EA			18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	539.62 53.08	167.21
26 05 36 00-1689	EA			24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	614.37 58.72	200.60
26 05 36 00-1690	EA			30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	714.27 67.39	238.56
26 05 36 00-1691	EA			36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	835.14 78.87	278.41
<b>26 05 36 00-1692</b>				<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1693	EA			6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	305.97 28.54	104.11
26 05 36 00-1694	EA			12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	356.82 31.61	131.43
26 05 36 00-1695	EA			18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	400.43 35.53	147.18
26 05 36 00-1696	EA			24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	451.98 38.98	172.84
26 05 36 00-1697	EA			30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	508.61 42.86	200.60
26 05 36 00-1698	EA			36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	558.00 45.85	227.08
<b>26 05 36 00-1699</b>				<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1700	EA			6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	369.46 37.30	108.69
26 05 36 00-1701	EA			12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	435.92 42.19	139.26
26 05 36 00-1702	EA			18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	480.38 45.98	156.46
26 05 36 00-1703	EA			24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	547.74 51.26	185.36
26 05 36 00-1704	EA			30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	614.90 56.02	217.28
26 05 36 00-1705	EA			36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	696.09 62.69	250.34
<b>26 05 36 00-1706</b>				<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1707	EA			6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	436.73 46.58	113.59
26 05 36 00-1708	EA			12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	524.63 54.12	147.50
26 05 36 00-1709	EA			18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	581.86 59.42	167.21
26 05 36 00-1710	EA			24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	648.93 63.99	200.06
26 05 36 00-1711	EA			30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	746.10 72.16	238.56
26 05 36 00-1712	EA			36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	824.88 77.50	277.46

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1713			<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1714	EA		6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....506.44		200.38
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	42.58	
26 05 36 00-1715	EA		12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....587.63		227.08
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	50.30	
26 05 36 00-1716	EA		18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....652.52		250.34
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	56.15	
26 05 36 00-1717	EA		24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....727.19		278.41
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	62.68	
26 05 36 00-1718	EA		30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....859.28		333.59
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	73.29	
26 05 36 00-1719	EA		36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....1,043.98		417.24
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	87.06	
26 05 36 00-1720			<b>24" Radius Horizontal Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1721	EA		6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray .....646.77		217.59
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	60.75	
26 05 36 00-1722	EA		12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray .....737.92		250.34
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	68.96	
26 05 36 00-1723	EA		18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray .....825.70		277.88
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	77.54	
26 05 36 00-1724	EA		24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray .....1,000.45		333.59
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	94.46	
26 05 36 00-1725	EA		30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray .....1,200.83		417.24
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	110.58	
26 05 36 00-1726	EA		36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray .....1,326.70		456.15
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	122.98	
26 05 36 00-1727			<b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1728	EA		6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray .....859.38		238.56
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	89.15	
26 05 36 00-1729	EA		12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray .....968.61		277.88
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	98.97	
26 05 36 00-1730	EA		18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray .....1,105.41		312.93
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	113.66	
26 05 36 00-1731	EA		24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray .....1,320.45		384.39
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	133.99	
26 05 36 00-1732	EA		30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray .....1,585.25		501.53
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	154.20	
26 05 36 00-1733	EA		36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray .....1,764.59		556.81
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	171.89	
26 05 36 00-1734			<b>12" Radius Vertical Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1735	EA		6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....579.64		200.38
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	53.56	
26 05 36 00-1736	EA		12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....630.00		227.39
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	56.60	
26 05 36 00-1737	EA		18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....658.35		238.14
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	59.06	
26 05 36 00-1738	EA		24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....695.43		249.93
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	62.66	
26 05 36 00-1739	EA		30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....766.44		277.88
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	68.65	
26 05 36 00-1740	EA		36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....876.71		333.59
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	75.90	
26 05 36 00-1741			<b>24" Radius Vertical Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1742	EA		6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray .....725.20		217.59
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	72.51	
26 05 36 00-1743	EA		12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray .....800.66		250.34
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	78.38	
26 05 36 00-1744	EA		18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray .....848.59		263.39
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	83.39	
26 05 36 00-1745	EA		24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray .....907.61		277.88
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	89.82	
26 05 36 00-1746	EA		30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray .....1,009.56		312.93
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	99.28	
26 05 36 00-1747	EA		36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray .....1,154.88		384.39
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	109.16	
26 05 36 00-1748			<b>36" Radius Vertical Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1749	EA		6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray .....963.34		238.14
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	104.81	
26 05 36 00-1750	EA		12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray .....1,050.08		274.55
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	111.76	
26 05 36 00-1751	EA		18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray .....1,117.60		294.16
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	118.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1752 EA 24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,166.41 122.81	312.93
26 05 36 00-1753 EA 30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,292.52 134.34	357.27
26 05 36 00-1754 EA 36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	834.76 49.41	454.80
<b>26 05 36 00-1755 12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1756 EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	598.63 51.89	227.39
26 05 36 00-1757 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	664.72 57.98	250.34
26 05 36 00-1758 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	772.52 66.86	294.16
26 05 36 00-1759 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	916.06 77.87	357.27
26 05 36 00-1760 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,003.25 86.41	384.39
26 05 36 00-1761 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,161.13 98.14	456.15
<b>26 05 36 00-1762 24" Radius Horizontal Crosses</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1763 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	801.33 78.41	250.76
26 05 36 00-1764 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	907.61 89.82	277.88
26 05 36 00-1765 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,038.80 100.22	333.59
26 05 36 00-1766 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,281.12 122.44	418.39
26 05 36 00-1767 EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,405.13 134.74	456.15
26 05 36 00-1768 EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,599.02 147.05	556.81
<b>26 05 36 00-1769 36" Radius Horizontal Crosses</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1770 EA 6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,116.75 121.19	277.88
26 05 36 00-1771 EA 12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,227.41 131.96	312.93
26 05 36 00-1772 EA 18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,426.59 149.76	385.43
26 05 36 00-1773 EA 24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,689.82 169.89	501.53
26 05 36 00-1774 EA 30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,851.74 184.96	556.81
26 05 36 00-1775 EA 36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,123.67 214.24	625.87
<b>26 05 36 00-1776 Straight Reducers</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1777 EA 12"-6" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	227.36 22.17	71.55
26 05 36 00-1778 EA 18"-12" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	250.40 23.67	83.34
26 05 36 00-1779 EA 24"-18" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	275.70 25.64	94.30
26 05 36 00-1780 EA 30"-24" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	310.32 28.41	108.80
26 05 36 00-1781 EA 36"-30" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	344.23 30.81	124.96
<b>26 05 36 00-1782 Reducers</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1783 EA 18"-6" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	248.74 23.42	83.34
26 05 36 00-1784 EA 24"-12" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	274.24 25.39	94.50
26 05 36 00-1785 EA 30"-12" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	306.71 27.88	108.69
26 05 36 00-1786 EA 30"-18" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	308.33 28.14	108.69
26 05 36 00-1787 EA 36"-12" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	344.23 30.81	124.96
26 05 36 00-1788 EA 36"-18" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	345.97 31.07	124.96
26 05 36 00-1789 EA 36"-24" Reducer, Solid Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	349.80 31.61	125.17

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1790			<b>Dropout Or End Plate</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1791	EA		6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	74.20	31.29
26 05 36 00-1792	EA		12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	88.55	38.18
26 05 36 00-1793	EA		18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	105.32	45.27
26 05 36 00-1794	EA		24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	116.29	50.07
26 05 36 00-1795	EA		30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	130.98	55.60
26 05 36 00-1796	EA		36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	148.75	62.59
26 05 36 00-1797			<b>Vented Bottom Cable Tray</b> <small>(26 05 36 00-0001)</small> Note: 6" Height.		
26 05 36 00-1798			<b>Vented Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-1797)</small>		
26 05 36 00-1799	LF		6" Vented Bottom Steel Cable Tray, Straight Section.....	32.17	10.95
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.30	
26 05 36 00-1800	LF		12" Vented Bottom Steel Cable Tray, Straight Section.....	37.76	12.52
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.74	
26 05 36 00-1801	LF		18" Vented Bottom Steel Cable Tray, Straight Section.....	44.39	14.40
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.24	
26 05 36 00-1802	LF		24" Vented Bottom Steel Cable Tray, Straight Section.....	50.93	16.48
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.72	
26 05 36 00-1803	LF		30" Vented Bottom Steel Cable Tray, Straight Section.....	66.83	19.92
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-5.02	
26 05 36 00-1804	LF		36" Vented Bottom Steel Cable Tray, Straight Section.....	79.37	25.03
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-5.85	
26 05 36 00-1805			<b>Vented Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-1797)</small>		
26 05 36 00-1806			<b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1807	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	305.19	131.85
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.53	
26 05 36 00-1808	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	398.83	178.37
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-25.02	
26 05 36 00-1809	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	495.70	227.39
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.62	
26 05 36 00-1810	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	607.86	278.41
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.59	
26 05 36 00-1811	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	685.61	313.56
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.43	
26 05 36 00-1812	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	785.32	358.00
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-48.70	
26 05 36 00-1813			<b>90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1814	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	357.85	138.95
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-24.21	
26 05 36 00-1815	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	466.58	192.66
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.60	
26 05 36 00-1816	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	593.04	250.34
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.44	
26 05 36 00-1817	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	719.73	312.93
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.90	
26 05 36 00-1818	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	767.33	323.26
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.79	
26 05 36 00-1819	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	960.71	417.24
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-61.30	
26 05 36 00-1820			<b>90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1821	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	433.44	146.87
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.10	
26 05 36 00-1822	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	563.91	208.94
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.98	
26 05 36 00-1823	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	722.92	278.41
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.09	
26 05 36 00-1824	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	868.67	357.27
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-57.10	
26 05 36 00-1825	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,002.26	417.24
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-65.46	
26 05 36 00-1826	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,175.17	499.86
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-75.86	
26 05 36 00-1827			<b>45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1828	EA		6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	286.57	131.95
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.66	
26 05 36 00-1829	EA		12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	376.51	178.37
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-22.78	
26 05 36 00-1830	EA		18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	469.49	227.08
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.02	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1831	EA			24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	575.38 -34.38	277.88
26 05 36 00-1832	EA			30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	649.75 -38.85	313.56
26 05 36 00-1833	EA			36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	742.48 -44.48	357.27
<b>26 05 36 00-1834</b>				<b>45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1835	EA			6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	330.29 -21.44	139.05
26 05 36 00-1836	EA			12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	434.59 -27.40	192.66
26 05 36 00-1837	EA			18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	555.03 -34.61	250.76
26 05 36 00-1838	EA			24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	676.14 -41.54	312.93
26 05 36 00-1839	EA			30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	775.00 -47.66	358.00
26 05 36 00-1840	EA			36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	902.34 -55.46	417.24
<b>26 05 36 00-1841</b>				<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1842	EA			6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	392.42 -26.98	147.18
26 05 36 00-1843	EA			12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	515.53 -34.19	208.31
26 05 36 00-1844	EA			18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	665.96 -43.40	278.41
26 05 36 00-1845	EA			24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	809.90 -51.15	358.00
26 05 36 00-1846	EA			30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	934.75 -58.70	417.24
26 05 36 00-1847	EA			36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,102.60 -68.47	501.53
<b>26 05 36 00-1848</b>				<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1849	EA			6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	329.41 -21.98	131.43
26 05 36 00-1850	EA			12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	420.41 -27.17	178.37
26 05 36 00-1851	EA			18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	503.69 -31.42	227.39
26 05 36 00-1852	EA			24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	606.26 -37.43	278.41
26 05 36 00-1853	EA			30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	668.03 -40.67	313.56
26 05 36 00-1854	EA			36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	748.80 -45.11	357.27
<b>26 05 36 00-1855</b>				<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1856	EA			6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	389.81 -27.40	138.95
26 05 36 00-1857	EA			12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	488.96 -32.84	192.66
26 05 36 00-1858	EA			18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	602.63 -39.40	250.34
26 05 36 00-1859	EA			24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	713.34 -45.26	312.93
26 05 36 00-1860	EA			30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	811.13 -51.34	357.27
26 05 36 00-1861	EA			36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	920.75 -57.30	417.24
<b>26 05 36 00-1862</b>				<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1863	EA			6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	459.01 -33.66	146.87
26 05 36 00-1864	EA			12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	575.10 -40.10	208.94
26 05 36 00-1865	EA			18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	716.53 -48.45	278.41
26 05 36 00-1866	EA			24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	865.47 -56.78	357.27
26 05 36 00-1867	EA			30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	971.89 -62.42	417.24
26 05 36 00-1868	EA			36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,140.01 -72.34	499.86

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1869			<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1870	EA		6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	546.69	250.34
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.81	
26 05 36 00-1871	EA		12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	664.36	312.31
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.41	
26 05 36 00-1872	EA		18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	759.75	358.00
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.14	
26 05 36 00-1873	EA		24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	883.99	417.24
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.63	
26 05 36 00-1874	EA		30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	973.83	454.80
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.48	
26 05 36 00-1875	EA		36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,069.69	499.86
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-65.31	
26 05 36 00-1876			<b>24" Radius Horizontal Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1877	EA		6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	677.34	277.88
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-44.57	
26 05 36 00-1878	EA		12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	828.71	357.27
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.10	
26 05 36 00-1879	EA		18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	955.91	417.24
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-60.82	
26 05 36 00-1880	EA		24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,171.97	499.86
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-75.54	
26 05 36 00-1881	EA		30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,295.61	556.81
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-83.16	
26 05 36 00-1882	EA		36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,449.05	625.87
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-92.75	
26 05 36 00-1883			<b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1884	EA		6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	828.41	312.93
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.76	
26 05 36 00-1885	EA		12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,045.41	417.24
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-69.77	
26 05 36 00-1886	EA		18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,217.79	501.53
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-79.99	
26 05 36 00-1887	EA		24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,503.38	625.87
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-98.18	
26 05 36 00-1888	EA		30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,683.67	717.76
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-108.56	
26 05 36 00-1889	EA		36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,962.45	832.30
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-126.89	
26 05 36 00-1890			<b>12" Radius Vertical Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1891	EA		6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	632.99	250.34
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.44	
26 05 36 00-1892	EA		12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	740.51	312.93
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-47.97	
26 05 36 00-1893	EA		18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	779.77	333.59
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-50.18	
26 05 36 00-1894	EA		24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	831.91	357.27
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.42	
26 05 36 00-1895	EA		30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	893.22	385.43
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-57.21	
26 05 36 00-1896	EA		36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,013.79	454.80
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-63.48	
26 05 36 00-1897			<b>24" Radius Vertical Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1898	EA		6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	752.46	277.88
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-52.09	
26 05 36 00-1899	EA		12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	899.03	357.27
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-60.13	
26 05 36 00-1900	EA		18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	960.35	385.43
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-63.92	
26 05 36 00-1901	EA		24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,037.42	417.24
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-68.97	
26 05 36 00-1902	EA		30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,117.67	454.80
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-73.86	
26 05 36 00-1903	EA		36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,317.98	556.81
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-85.40	
26 05 36 00-1904			<b>36" Radius Vertical Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1905	EA		6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	980.79	312.31
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-72.05	
26 05 36 00-1906	EA		12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,166.87	417.24
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-81.92	
26 05 36 00-1907	EA		18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,245.52	454.80
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-86.65	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1908 EA 24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,355.24	501.53
For 4-5/8" Overall Height Instead Of 6", Deduct	-93.73	
26 05 36 00-1909 EA 30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,527.34	556.81
For 4-5/8" Overall Height Instead Of 6", Deduct	-106.33	
26 05 36 00-1910 EA 36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,798.07	714.43
For 4-5/8" Overall Height Instead Of 6", Deduct	-120.27	
<b>26 05 36 00-1911 12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1912 EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	687.77	312.93
For 4-5/8" Overall Height Instead Of 6", Deduct	-42.70	
26 05 36 00-1913 EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	764.55	358.00
For 4-5/8" Overall Height Instead Of 6", Deduct	-46.62	
26 05 36 00-1914 EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	882.40	417.24
For 4-5/8" Overall Height Instead Of 6", Deduct	-53.47	
26 05 36 00-1915 EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,029.73	499.86
For 4-5/8" Overall Height Instead Of 6", Deduct	-61.32	
26 05 36 00-1916 EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,145.30	554.84
For 4-5/8" Overall Height Instead Of 6", Deduct	-68.29	
26 05 36 00-1917 EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,290.83	625.87
For 4-5/8" Overall Height Instead Of 6", Deduct	-76.93	
<b>26 05 36 00-1918 24" Radius Horizontal Crosses</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1919 EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	857.24	358.00
For 4-5/8" Overall Height Instead Of 6", Deduct	-55.89	
26 05 36 00-1920 EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	968.70	417.24
For 4-5/8" Overall Height Instead Of 6", Deduct	-62.10	
26 05 36 00-1921 EA 18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,133.62	499.86
For 4-5/8" Overall Height Instead Of 6", Deduct	-71.70	
26 05 36 00-1922 EA 24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,425.07	625.87
For 4-5/8" Overall Height Instead Of 6", Deduct	-90.35	
26 05 36 00-1923 EA 30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,612.69	714.43
For 4-5/8" Overall Height Instead Of 6", Deduct	-101.73	
26 05 36 00-1924 EA 36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,834.60	832.30
For 4-5/8" Overall Height Instead Of 6", Deduct	-114.10	
<b>26 05 36 00-1925 36" Radius Horizontal Crosses</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1926 EA 6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,134.91	417.24
For 4-5/8" Overall Height Instead Of 6", Deduct	-78.72	
26 05 36 00-1927 EA 12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,297.70	501.53
For 4-5/8" Overall Height Instead Of 6", Deduct	-87.98	
26 05 36 00-1928 EA 18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,514.57	625.87
For 4-5/8" Overall Height Instead Of 6", Deduct	-99.30	
26 05 36 00-1929 EA 24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,961.88	836.68
For 4-5/8" Overall Height Instead Of 6", Deduct	-126.46	
26 05 36 00-1930 EA 30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,294.94	1,002.96
For 4-5/8" Overall Height Instead Of 6", Deduct	-145.91	
26 05 36 00-1931 EA 36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,757.45	1,251.74
For 4-5/8" Overall Height Instead Of 6", Deduct	-171.43	
<b>26 05 36 00-1932 Straight Reducers</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1933 EA 12"-6" Reducer, Vented Bottom, Steel Cable Tray.....	258.36	106.60
For 4-5/8" Overall Height Instead Of 6", Deduct	-16.95	
26 05 36 00-1934 EA 18"-12" Reducer, Vented Bottom, Steel Cable Tray.....	282.36	119.13
For 4-5/8" Overall Height Instead Of 6", Deduct	-18.31	
26 05 36 00-1935 EA 24"-18" Reducer, Vented Bottom, Steel Cable Tray.....	320.89	138.84
For 4-5/8" Overall Height Instead Of 6", Deduct	-20.52	
26 05 36 00-1936 EA 30"-24" Reducer, Vented Bottom, Steel Cable Tray.....	353.47	156.46
For 4-5/8" Overall Height Instead Of 6", Deduct	-22.31	
26 05 36 00-1937 EA 36"-30" Reducer, Vented Bottom, Steel Cable Tray.....	386.29	172.32
For 4-5/8" Overall Height Instead Of 6", Deduct	-24.27	
<b>26 05 36 00-1938 Reducers</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1939 EA 18"-6" Reducer, Vented Bottom, Steel Cable Tray.....	282.36	119.13
For 4-5/8" Overall Height Instead Of 6", Deduct	-18.31	
26 05 36 00-1940 EA 24"-12" Reducer, Vented Bottom, Steel Cable Tray.....	319.71	139.05
For 4-5/8" Overall Height Instead Of 6", Deduct	-20.38	
26 05 36 00-1941 EA 30"-12" Reducer, Vented Bottom, Steel Cable Tray.....	351.62	156.26
For 4-5/8" Overall Height Instead Of 6", Deduct	-22.14	
26 05 36 00-1942 EA 30"-18" Reducer, Vented Bottom, Steel Cable Tray.....	352.95	156.15
For 4-5/8" Overall Height Instead Of 6", Deduct	-22.28	
26 05 36 00-1943 EA 36"-12" Reducer, Vented Bottom, Steel Cable Tray.....	384.69	172.32
For 4-5/8" Overall Height Instead Of 6", Deduct	-24.11	
26 05 36 00-1944 EA 36"-18" Reducer, Vented Bottom, Steel Cable Tray.....	386.29	172.32
For 4-5/8" Overall Height Instead Of 6", Deduct	-24.27	
26 05 36 00-1945 EA 36"-24" Reducer, Vented Bottom, Steel Cable Tray.....	388.51	172.74
For 4-5/8" Overall Height Instead Of 6", Deduct	-24.46	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-1946		<b>Dropout Or End Plate</b> <small>(26 05 36 00-1805)</small>			
26 05 36 00-1947	EA	6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	83.41		38.49
26 05 36 00-1948	EA	12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	98.78		45.17
26 05 36 00-1949	EA	18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	108.91		49.86
26 05 36 00-1950	EA	24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	122.39		55.60
26 05 36 00-1951	EA	30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	135.99		62.48
26 05 36 00-1952	EA	36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	159.70		74.68
26 05 36 00-1953		<b>Vented Bottom Aluminum Cable Tray</b> <small>(26 05 36 00-1797)</small>			
26 05 36 00-1954	LF	6" Vented Bottom Aluminum Cable Tray, Straight Section .....	30.05		8.14
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.32		
26 05 36 00-1955	LF	9" Vented Bottom Aluminum Cable Tray, Straight Section .....	33.31		8.97
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.59		
26 05 36 00-1956	LF	12" Vented Bottom Aluminum Cable Tray, Straight Section .....	37.27		10.02
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.89		
26 05 36 00-1957	LF	18" Vented Bottom Aluminum Cable Tray, Straight Section .....	43.35		11.16
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.40		
26 05 36 00-1958	LF	24" Vented Bottom Aluminum Cable Tray, Straight Section .....	49.66		12.41
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.94		
26 05 36 00-1959	LF	30" Vented Bottom Aluminum Cable Tray, Straight Section .....	62.84		14.29
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-5.09		
26 05 36 00-1960	LF	36" Vented Bottom Aluminum Cable Tray, Straight Section .....	70.07		16.79
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-5.61		
26 05 36 00-1961		<b>Vented Bottom Aluminum Cable Tray Fittings</b> <small>(26 05 36 00-1797)</small>			
26 05 36 00-1962		<b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>			
26 05 36 00-1963	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	387.45		131.85
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-27.76		
26 05 36 00-1964	EA	9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	420.94		143.12
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.16		
26 05 36 00-1965	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	463.08		161.16
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.88		
26 05 36 00-1966	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	523.80		178.58
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.50		
26 05 36 00-1967	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	625.78		217.91
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-44.42		
26 05 36 00-1968	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	741.28		250.76
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.23		
26 05 36 00-1969	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	816.56		278.41
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-58.46		
26 05 36 00-1970		<b>90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>			
26 05 36 00-1971	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	474.72		138.95
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.89		
26 05 36 00-1972	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	572.30		172.74
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.84		
26 05 36 00-1973	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	649.38		192.66
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-48.88		
26 05 36 00-1974	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	771.35		238.14
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-57.29		
26 05 36 00-1975	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	890.29		277.46
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-65.91		
26 05 36 00-1976	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	983.51		312.93
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-72.27		
26 05 36 00-1977		<b>90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>			
26 05 36 00-1978	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	587.68		146.87
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.53		
26 05 36 00-1979	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	700.79		185.57
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-54.61		
26 05 36 00-1980	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	793.10		208.94
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-61.90		
26 05 36 00-1981	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	925.29		263.39
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-70.58		
26 05 36 00-1982	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	996.77		255.25
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-78.41		
26 05 36 00-1983	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	1,215.37		357.27
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-91.77		
26 05 36 00-1984		<b>45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>			
26 05 36 00-1985	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	350.73		131.95
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-24.08		
26 05 36 00-1986	EA	9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	381.03		143.33
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.16		
26 05 36 00-1987	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	420.29		161.16
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.60		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1988 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	473.72	178.37
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.50	
26 05 36 00-1989 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	567.51	217.59
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.62	
26 05 36 00-1990 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	670.14	250.76
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.12	
26 05 36 00-1991 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	738.17	277.88
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-50.66	
<b>26 05 36 00-1992 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-1993 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	421.45	139.05
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.55	
26 05 36 00-1994 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	509.71	172.74
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.58	
26 05 36 00-1995 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	577.57	192.98
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.68	
26 05 36 00-1996 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	689.58	238.56
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.08	
26 05 36 00-1997 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	797.79	278.41
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.58	
26 05 36 00-1998 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	881.88	312.93
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-62.11	
<b>26 05 36 00-1999 45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2000 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	512.72	147.18
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-39.01	
26 05 36 00-2001 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	613.94	185.16
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.96	
26 05 36 00-2002 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	695.21	208.94
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-52.11	
26 05 36 00-2003 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	819.05	263.91
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.92	
26 05 36 00-2004 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	936.77	294.68
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-69.12	
26 05 36 00-2005 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,080.33	358.00
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-78.20	
<b>26 05 36 00-2006 90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2007 EA 6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	423.37	131.43
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.38	
26 05 36 00-2008 EA 9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	454.32	142.81
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.54	
26 05 36 00-2009 EA 12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	487.39	161.16
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.31	
26 05 36 00-2010 EA 18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	523.80	178.58
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.50	
26 05 36 00-2011 EA 24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	613.63	217.91
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.20	
26 05 36 00-2012 EA 30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	680.49	250.76
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-47.15	
26 05 36 00-2013 EA 36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	728.21	277.88
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.66	
<b>26 05 36 00-2014 90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2015 EA 6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	506.33	138.95
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-39.05	
26 05 36 00-2016 EA 12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	586.88	172.74
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-44.30	
26 05 36 00-2017 EA 18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	646.95	192.66
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-48.64	
26 05 36 00-2018 EA 24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	728.19	238.56
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-52.94	
26 05 36 00-2019 EA 30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	810.87	277.88
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-57.93	
26 05 36 00-2020 EA 36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	886.26	312.93
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-62.55	
<b>26 05 36 00-2021 90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2022 EA 6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	585.25	146.87
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.28	
26 05 36 00-2023 EA 12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	674.04	185.57
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.94	
26 05 36 00-2024 EA 18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	756.63	208.94
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-58.26	
26 05 36 00-2025 EA 24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	881.52	263.39
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-66.20	
26 05 36 00-2026 EA 30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	977.38	294.68
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-73.18	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2027 EA 36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,096.24 -79.86	357.27
<b>26 05 36 00-2028 12" Radius Horizontal Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2029 EA 6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	672.53 -46.39	250.34
26 05 36 00-2030 EA 9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	701.60 -48.21	263.39
26 05 36 00-2031 EA 12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	746.84 -51.57	277.46
26 05 36 00-2032 EA 18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	853.26 -59.20	313.56
26 05 36 00-2033 EA 24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	974.67 -67.70	357.27
26 05 36 00-2034 EA 30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,101.44 -75.37	417.24
26 05 36 00-2035 EA 36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,220.03 -84.10	454.80
<b>26 05 36 00-2036 24" Radius Horizontal Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2037 EA 6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	852.20 -62.06	277.88
26 05 36 00-2038 EA 12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	963.02 -70.28	312.31
26 05 36 00-2039 EA 18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,081.65 -78.40	357.27
26 05 36 00-2040 EA 24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,301.40 -95.46	416.10
26 05 36 00-2041 EA 30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,492.29 -107.44	501.53
26 05 36 00-2042 EA 36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,693.90 -122.99	556.81
<b>26 05 36 00-2043 36" Radius Horizontal Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2044 EA 6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,146.41 -88.56	312.93
26 05 36 00-2045 EA 12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,312.63 -101.49	357.27
26 05 36 00-2046 EA 18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,395.30 -110.49	348.51
26 05 36 00-2047 EA 24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,781.38 -136.48	499.86
26 05 36 00-2048 EA 30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,056.31 -153.27	628.37
26 05 36 00-2049 EA 36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,357.81 -176.24	714.43
<b>26 05 36 00-2050 12" Radius Vertical Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2051 EA 6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	767.35 -55.87	250.34
26 05 36 00-2052 EA 9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	791.56 -57.21	263.39
26 05 36 00-2053 EA 12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	842.48 -61.09	277.88
26 05 36 00-2054 EA 18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	872.83 -62.73	294.68
26 05 36 00-2055 EA 24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	911.97 -65.17	312.31
26 05 36 00-2056 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	964.50 -68.65	333.59
26 05 36 00-2057 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,066.22 -74.59	384.39
<b>26 05 36 00-2058 24" Radius Vertical Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2059 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	959.18 -72.76	277.88
26 05 36 00-2060 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,055.41 -79.52	312.31
26 05 36 00-2061 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,127.39 -84.94	333.59
26 05 36 00-2062 EA 24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,203.22 -90.55	357.27
26 05 36 00-2063 EA 30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,297.20 -97.68	384.39
26 05 36 00-2064 EA 36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,428.90 -104.88	456.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-2065    36" Radius Vertical Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2066    EA    6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	1,286.39	312.31
For 4-5/8" Overall Height Instead Of 6", Deduct	-102.61	
26 05 36 00-2067    EA    12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	1,409.88	357.27
For 4-5/8" Overall Height Instead Of 6", Deduct	-111.22	
26 05 36 00-2068    EA    18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	1,479.55	384.39
For 4-5/8" Overall Height Instead Of 6", Deduct	-115.92	
26 05 36 00-2069    EA    24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	1,596.87	418.39
For 4-5/8" Overall Height Instead Of 6", Deduct	-124.82	
26 05 36 00-2070    EA    30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	1,732.82	456.15
For 4-5/8" Overall Height Instead Of 6", Deduct	-135.27	
26 05 36 00-2071    EA    36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	1,945.91	554.84
For 4-5/8" Overall Height Instead Of 6", Deduct	-148.35	
<b>26 05 36 00-2072    12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2073    EA    6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	781.70	277.88
For 4-5/8" Overall Height Instead Of 6", Deduct	-55.01	
26 05 36 00-2074    EA    9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	831.50	294.68
For 4-5/8" Overall Height Instead Of 6", Deduct	-58.59	
26 05 36 00-2075    EA    12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	872.71	313.56
For 4-5/8" Overall Height Instead Of 6", Deduct	-61.14	
26 05 36 00-2076    EA    18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	962.51	357.27
For 4-5/8" Overall Height Instead Of 6", Deduct	-66.48	
26 05 36 00-2077    EA    24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	1,102.03	416.10
For 4-5/8" Overall Height Instead Of 6", Deduct	-75.53	
26 05 36 00-2078    EA    30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	1,251.87	453.54
For 4-5/8" Overall Height Instead Of 6", Deduct	-87.39	
26 05 36 00-2079    EA    36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray .....	1,526.14	556.81
For 4-5/8" Overall Height Instead Of 6", Deduct	-106.21	
<b>26 05 36 00-2080    24" Radius Horizontal Crosses</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2081    EA    6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	1,093.96	313.56
For 4-5/8" Overall Height Instead Of 6", Deduct	-83.27	
26 05 36 00-2082    EA    12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	1,220.23	357.27
For 4-5/8" Overall Height Instead Of 6", Deduct	-92.25	
26 05 36 00-2083    EA    18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	1,367.04	416.10
For 4-5/8" Overall Height Instead Of 6", Deduct	-102.03	
26 05 36 00-2084    EA    24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	1,611.19	499.86
For 4-5/8" Overall Height Instead Of 6", Deduct	-119.46	
26 05 36 00-2085    EA    30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	1,763.56	554.84
For 4-5/8" Overall Height Instead Of 6", Deduct	-130.12	
26 05 36 00-2086    EA    36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray .....	2,138.99	714.43
For 4-5/8" Overall Height Instead Of 6", Deduct	-154.36	
<b>26 05 36 00-2087    36" Radius Horizontal Crosses</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2088    EA    6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	1,531.45	357.27
For 4-5/8" Overall Height Instead Of 6", Deduct	-123.38	
26 05 36 00-2089    EA    12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	1,694.12	418.39
For 4-5/8" Overall Height Instead Of 6", Deduct	-134.55	
26 05 36 00-2090    EA    18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	1,915.11	499.86
For 4-5/8" Overall Height Instead Of 6", Deduct	-149.85	
26 05 36 00-2091    EA    24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	2,299.44	628.37
For 4-5/8" Overall Height Instead Of 6", Deduct	-177.58	
26 05 36 00-2092    EA    30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	2,557.78	717.76
For 4-5/8" Overall Height Instead Of 6", Deduct	-195.97	
26 05 36 00-2093    EA    36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray .....	2,967.48	832.30
For 4-5/8" Overall Height Instead Of 6", Deduct	-227.39	
<b>26 05 36 00-2094    Straight Reducers</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2095    EA    9"-6" Reducer, Vented Bottom, Aluminum Cable Tray .....	294.77	83.44
For 4-5/8" Overall Height Instead Of 6", Deduct	-22.52	
26 05 36 00-2096    EA    12"-9" Reducer, Vented Bottom, Aluminum Cable Tray .....	309.41	87.94
For 4-5/8" Overall Height Instead Of 6", Deduct	-23.62	
26 05 36 00-2097    EA    18"-12" Reducer, Vented Bottom, Aluminum Cable Tray .....	348.80	104.21
For 4-5/8" Overall Height Instead Of 6", Deduct	-26.19	
26 05 36 00-2098    EA    24"-18" Reducer, Vented Bottom, Aluminum Cable Tray .....	385.52	119.02
For 4-5/8" Overall Height Instead Of 6", Deduct	-28.64	
26 05 36 00-2099    EA    30"-24" Reducer, Vented Bottom, Aluminum Cable Tray .....	423.89	139.05
For 4-5/8" Overall Height Instead Of 6", Deduct	-30.80	
26 05 36 00-2100    EA    36"-30" Reducer, Vented Bottom, Aluminum Cable Tray .....	459.63	156.15
For 4-5/8" Overall Height Instead Of 6", Deduct	-32.95	
<b>26 05 36 00-2101    Reducers</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2102    EA    12"-6" Reducer, Vented Bottom, Aluminum Cable Tray .....	309.16	87.73
For 4-5/8" Overall Height Instead Of 6", Deduct	-23.60	
26 05 36 00-2103    EA    18"-6" Reducer, Vented Bottom, Aluminum Cable Tray .....	348.68	104.21
For 4-5/8" Overall Height Instead Of 6", Deduct	-26.19	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2104 EA 18"-9" Reducer, Vented Bottom, Aluminum Cable Tray.....	348.68	104.21
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.19	
26 05 36 00-2105 EA 24"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	385.67	119.13
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.64	
26 05 36 00-2106 EA 24"-9" Reducer, Vented Bottom, Aluminum Cable Tray.....	385.67	119.13
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.64	
26 05 36 00-2107 EA 24"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	385.97	119.23
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.66	
26 05 36 00-2108 EA 30"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	428.53	138.95
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.27	
26 05 36 00-2109 EA 30"-18" Reducer, Vented Bottom, Aluminum Cable Tray.....	423.47	138.84
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.78	
26 05 36 00-2110 EA 36"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	459.63	156.15
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.95	
26 05 36 00-2111 EA 36"-18" Reducer, Vented Bottom, Aluminum Cable Tray.....	459.63	156.15
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.95	
26 05 36 00-2112 EA 36"-24" Reducer, Vented Bottom, Aluminum Cable Tray.....	460.15	156.46
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.98	
<b>26 05 36 00-2113 Dropout Or End Plate</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2114 EA 6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	96.00	38.49
26 05 36 00-2115 EA 9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	104.76	42.04
26 05 36 00-2116 EA 12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	112.90	45.17
26 05 36 00-2117 EA 18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	128.44	49.86
26 05 36 00-2118 EA 24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	147.45	55.60
26 05 36 00-2119 EA 30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	162.54	62.48
26 05 36 00-2120 EA 36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	186.10	71.55
<b>26 05 36 00-2121 Covers And Dividers</b> <small>(26 05 36 00-0001)</small>		
<b>26 05 36 00-2122 Galvanized Steel Covers</b> <small>(26 05 36 00-2121)</small>		
<b>26 05 36 00-2123 Ventilated Straight Sections</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2124 LF 6" Steel Cable Tray Cover, Straight Section .....	8.21	1.87
26 05 36 00-2125 LF 9" Steel Cable Tray Cover, Straight Section .....	9.88	2.19
26 05 36 00-2126 LF 12" Steel Cable Tray Cover, Straight Section .....	11.59	2.51
26 05 36 00-2127 LF 18" Steel Cable Tray Cover, Straight Section .....	15.70	3.34
26 05 36 00-2128 LF 24" Steel Cable Tray Cover, Straight Section .....	20.00	4.48
26 05 36 00-2129 LF 30" Steel Cable Tray Cover, Straight Section .....	24.27	5.52
26 05 36 00-2130 LF 36" Steel Cable Tray Cover, Straight Section .....	121.70	62.69
<b>26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2132 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	48.73	6.68
26 05 36 00-2133 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	54.59	7.82
26 05 36 00-2134 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	59.35	9.28
26 05 36 00-2135 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	80.54	11.89
26 05 36 00-2136 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	98.78	15.13
26 05 36 00-2137 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	119.00	16.79
26 05 36 00-2138 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	143.69	20.03
<b>26 05 36 00-2139 90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2140 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	74.63	7.41
26 05 36 00-2141 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	78.33	8.66
26 05 36 00-2142 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	88.55	10.43
26 05 36 00-2143 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	109.91	13.24
26 05 36 00-2144 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	134.93	16.69
26 05 36 00-2145 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	172.71	19.19
26 05 36 00-2146 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	200.98	22.74
<b>26 05 36 00-2147 90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2148 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	104.94	8.34
26 05 36 00-2149 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	116.74	9.59
26 05 36 00-2150 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	126.93	11.89
26 05 36 00-2151 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	160.62	13.88
26 05 36 00-2152 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	195.10	19.30
26 05 36 00-2153 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	229.68	21.80
26 05 36 00-2154 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	268.60	25.03
<b>26 05 36 00-2155 45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2156 EA 6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	37.87	6.68
<i>For 60 Degree Bend, Deduct</i>	-9.93	
<i>For 30 Degree Bend, Deduct</i>	-16.92	
26 05 36 00-2157 EA 9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	45.00	7.82
<i>For 60 Degree Bend, Deduct</i>	-11.85	
<i>For 30 Degree Bend, Deduct</i>	-20.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2158 EA 12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	50.56 -13.14 -22.42	9.28
26 05 36 00-2159 EA 18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	61.30 -15.87 -27.08	11.37
26 05 36 00-2160 EA 24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	71.54 -18.55 -31.65	13.14
26 05 36 00-2161 EA 30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	83.62 -21.78 -37.14	15.13
26 05 36 00-2162 EA 36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	93.34 -24.40 -41.60	16.69
<b>26 05 36 00-2163 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2164 EA 6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	51.47 -14.15 -24.00	7.41
26 05 36 00-2165 EA 9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	58.35 -15.94 -27.05	8.66
26 05 36 00-2166 EA 12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	66.97 -18.09 -30.73	10.43
26 05 36 00-2167 EA 18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	77.63 -20.81 -35.39	12.52
26 05 36 00-2168 EA 24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	89.41 -24.01 -40.81	14.29
26 05 36 00-2169 EA 30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	110.98 -30.21 -51.28	16.69
26 05 36 00-2170 EA 36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	123.22 -33.28 -56.53	19.30
<b>26 05 36 00-2171 45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2172 EA 6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	70.61 -20.11 -33.98	8.34
26 05 36 00-2173 EA 9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	79.99 -22.70 -38.37	9.59
26 05 36 00-2174 EA 12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	90.11 -25.18 -42.63	11.89
26 05 36 00-2175 EA 18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	102.75 -28.84 -48.80	13.24
26 05 36 00-2176 EA 24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	125.24 -35.13 -59.45	16.17
26 05 36 00-2177 EA 30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	139.20 -38.55 -65.32	19.30
26 05 36 00-2178 EA 36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	164.24 -46.20 -78.16	20.86
<b>26 05 36 00-2179 90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2180 EA 6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	42.46	6.68
26 05 36 00-2181 EA 9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	45.00	7.82
26 05 36 00-2182 EA 12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	49.76	9.28
26 05 36 00-2183 EA 18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	58.13	11.37
26 05 36 00-2184 EA 24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	64.48	14.71
26 05 36 00-2185 EA 30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	71.85	16.79
26 05 36 00-2186 EA 36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	90.09	20.03
<b>26 05 36 00-2187 90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2188 EA 6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	50.66	7.41
26 05 36 00-2189 EA 9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	56.75	8.66
26 05 36 00-2190 EA 12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	61.38	10.43
26 05 36 00-2191 EA 18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	79.19	12.52
26 05 36 00-2192 EA 24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	92.43	16.17
26 05 36 00-2193 EA 30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	106.40	19.30
26 05 36 00-2194 EA 36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	122.67	22.74

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-2195 90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2196 EA 6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	58.59	8.34
26 05 36 00-2197 EA 9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	72.80	9.59
26 05 36 00-2198 EA 12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	83.78	11.89
26 05 36 00-2199 EA 18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	102.74	13.24
26 05 36 00-2200 EA 24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	120.34	18.47
26 05 36 00-2201 EA 30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	143.38	21.80
26 05 36 00-2202 EA 36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	167.92	25.03
<b>26 05 36 00-2203 12" Radius Horizontal Tees</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2204 EA 6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	74.89	10.85
26 05 36 00-2205 EA 9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	79.19	12.52
26 05 36 00-2206 EA 12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	89.98	14.71
26 05 36 00-2207 EA 18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	107.79	16.69
26 05 36 00-2208 EA 24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	132.80	19.30
26 05 36 00-2209 EA 30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	164.54	27.75
26 05 36 00-2210 EA 36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	197.75	33.28
<b>26 05 36 00-2211 24" Radius Horizontal Tees</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2212 EA 6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	108.47	11.37
26 05 36 00-2213 EA 9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	124.31	13.24
26 05 36 00-2214 EA 12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	131.53	15.65
26 05 36 00-2215 EA 18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	165.67	17.95
26 05 36 00-2216 EA 24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	242.44	20.86
26 05 36 00-2217 EA 30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	288.72	31.29
26 05 36 00-2218 EA 36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	324.65	38.49
<b>26 05 36 00-2219 36" Radius Horizontal Tees</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2220 EA 6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	181.24	11.89
26 05 36 00-2221 EA 9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	187.77	13.88
26 05 36 00-2222 EA 12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	210.04	16.69
26 05 36 00-2223 EA 18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	246.33	19.30
26 05 36 00-2224 EA 24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	319.25	22.74
26 05 36 00-2225 EA 30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	365.00	35.88
26 05 36 00-2226 EA 36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	422.43	45.38
<b>26 05 36 00-2227 12" Radius Horizontal Crosses</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2228 EA 6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	109.21	14.71
26 05 36 00-2229 EA 9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	115.58	15.65
26 05 36 00-2230 EA 12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	127.77	16.69
26 05 36 00-2231 EA 18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	150.38	19.30
26 05 36 00-2232 EA 24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	190.08	27.75
26 05 36 00-2233 EA 30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	220.06	33.28
26 05 36 00-2234 EA 36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	251.34	35.78
<b>26 05 36 00-2235 24" Radius Horizontal Crosses</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2236 EA 6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	187.53	15.65
26 05 36 00-2237 EA 9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	203.65	16.69
26 05 36 00-2238 EA 12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	218.41	17.95
26 05 36 00-2239 EA 18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	260.02	20.86
26 05 36 00-2240 EA 24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	327.04	31.29
26 05 36 00-2241 EA 30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	374.11	38.49
26 05 36 00-2242 EA 36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	417.79	41.62
<b>26 05 36 00-2243 36" Radius Horizontal Crosses</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2244 EA 6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	297.94	16.69
26 05 36 00-2245 EA 9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	309.52	17.95
26 05 36 00-2246 EA 12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	326.24	19.30
26 05 36 00-2247 EA 18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	376.78	22.74
26 05 36 00-2248 EA 24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	491.22	35.78
26 05 36 00-2249 EA 30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	539.44	45.59
26 05 36 00-2250 EA 36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	578.87	50.07
<b>26 05 36 00-2251 Reducers</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2252 EA 9"-6" Reducer, Steel Cable Tray Covers.....	49.00	7.82
26 05 36 00-2253 EA 12"-6" Reducer, Steel Cable Tray Covers.....	53.00	9.28
26 05 36 00-2254 EA 12"-9" Reducer, Steel Cable Tray Covers.....	53.00	9.28
26 05 36 00-2255 EA 18"-6" Reducer, Steel Cable Tray Covers.....	58.92	11.37
26 05 36 00-2256 EA 18"-12" Reducer, Steel Cable Tray Covers.....	58.92	11.37
26 05 36 00-2257 EA 24"-12" Reducer, Steel Cable Tray Covers.....	72.00	12.52





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2258 EA 24"-18" Reducer, Steel Cable Tray Covers.....	76.80	12.52
26 05 36 00-2259 EA 30"-12" Reducer, Steel Cable Tray Covers.....	75.00	14.29
26 05 36 00-2260 EA 30"-18" Reducer, Steel Cable Tray Covers.....	79.80	14.29
26 05 36 00-2261 EA 30"-24" Reducer, Steel Cable Tray Covers.....	82.99	14.29
26 05 36 00-2262 EA 36"-12" Reducer, Steel Cable Tray Covers.....	86.76	15.65
26 05 36 00-2263 EA 36"-18" Reducer, Steel Cable Tray Covers.....	88.36	15.65
26 05 36 00-2264 EA 36"-24" Reducer, Steel Cable Tray Covers.....	89.96	15.65
26 05 36 00-2265 EA 36"-30" Reducer, Steel Cable Tray Covers.....	90.76	15.65
<b>26 05 36 00-2266 Aluminum Covers</b> <small>(26 05 36 00-2121)</small>		
<b>26 05 36 00-2267 Ventilated Straight Sections</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2268 LF 6" Aluminum Cable Tray Cover, Straight Section .....	11.19	1.87
26 05 36 00-2269 LF 9" Aluminum Cable Tray Cover, Straight Section .....	13.37	2.19
26 05 36 00-2270 LF 12" Aluminum Cable Tray Cover, Straight Section .....	15.72	2.51
26 05 36 00-2271 LF 18" Aluminum Cable Tray Cover, Straight Section .....	20.92	3.34
26 05 36 00-2272 LF 24" Aluminum Cable Tray Cover, Straight Section .....	26.84	4.48
26 05 36 00-2273 LF 30" Aluminum Cable Tray Cover, Straight Section .....	30.40	5.52
26 05 36 00-2274 LF 36" Aluminum Cable Tray Cover, Straight Section .....	126.99	62.69
<b>26 05 36 00-2275 90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2276 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	63.55	6.68
26 05 36 00-2277 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	67.70	7.82
26 05 36 00-2278 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	74.61	9.28
26 05 36 00-2279 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	97.24	11.89
26 05 36 00-2280 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	123.19	15.13
26 05 36 00-2281 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	145.19	16.79
26 05 36 00-2282 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	176.90	20.03
<b>26 05 36 00-2283 90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2284 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	84.04	7.41
26 05 36 00-2285 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	103.22	8.66
26 05 36 00-2286 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	115.36	10.43
26 05 36 00-2287 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	138.16	13.24
26 05 36 00-2288 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	171.33	16.69
26 05 36 00-2289 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	207.43	19.19
26 05 36 00-2290 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	254.32	22.74
<b>26 05 36 00-2291 90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2292 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	136.82	8.34
26 05 36 00-2293 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	150.43	9.59
26 05 36 00-2294 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	172.44	11.89
26 05 36 00-2295 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	205.37	13.88
26 05 36 00-2296 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	253.00	19.30
26 05 36 00-2297 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	291.37	21.80
26 05 36 00-2298 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	340.00	25.03
<b>26 05 36 00-2299 45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2300 EA 6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	49.90	6.68
<i>For 30 Degree Bend, Deduct</i>	-23.53	
<i>For 60 Degree Bend, Deduct</i>	-13.90	
26 05 36 00-2301 EA 9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	52.89	7.82
<i>For 30 Degree Bend, Deduct</i>	-24.53	
<i>For 60 Degree Bend, Deduct</i>	-14.45	
26 05 36 00-2302 EA 12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	60.04	9.28
<i>For 30 Degree Bend, Deduct</i>	-27.63	
<i>For 60 Degree Bend, Deduct</i>	-16.27	
26 05 36 00-2303 EA 18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	70.19	11.37
<i>For 30 Degree Bend, Deduct</i>	-31.97	
<i>For 60 Degree Bend, Deduct</i>	-18.80	
26 05 36 00-2304 EA 24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	78.94	13.14
<i>For 30 Degree Bend, Deduct</i>	-35.72	
<i>For 60 Degree Bend, Deduct</i>	-20.99	
26 05 36 00-2305 EA 30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	97.03	15.13
<i>For 30 Degree Bend, Deduct</i>	-44.52	
<i>For 60 Degree Bend, Deduct</i>	-26.20	
26 05 36 00-2306 EA 36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	114.36	16.69
<i>For 30 Degree Bend, Deduct</i>	-53.16	
<i>For 60 Degree Bend, Deduct</i>	-31.34	
<b>26 05 36 00-2307 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2308 EA 6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	57.29	7.41
<i>For 30 Degree Bend, Deduct</i>	-27.20	
<i>For 60 Degree Bend, Deduct</i>	-16.07	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2309	EA		9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	71.34	8.66
			<i>For 30 Degree Bend, Deduct</i>	-34.20	
			<i>For 60 Degree Bend, Deduct</i>	-20.23	
26 05 36 00-2310	EA		12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	76.64	10.43
			<i>For 30 Degree Bend, Deduct</i>	-36.05	
			<i>For 60 Degree Bend, Deduct</i>	-21.28	
26 05 36 00-2311	EA		18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	92.63	12.52
			<i>For 30 Degree Bend, Deduct</i>	-43.64	
			<i>For 60 Degree Bend, Deduct</i>	-25.76	
26 05 36 00-2312	EA		24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	112.71	14.29
			<i>For 30 Degree Bend, Deduct</i>	-53.63	
			<i>For 60 Degree Bend, Deduct</i>	-31.70	
26 05 36 00-2313	EA		30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	130.36	16.69
			<i>For 30 Degree Bend, Deduct</i>	-61.94	
			<i>For 60 Degree Bend, Deduct</i>	-36.61	
26 05 36 00-2314	EA		36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	150.55	19.30
			<i>For 30 Degree Bend, Deduct</i>	-71.56	
			<i>For 60 Degree Bend, Deduct</i>	-42.29	
<b>26 05 36 00-2315</b>			<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2316	EA		6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	91.30	8.34
			<i>For 30 Degree Bend, Deduct</i>	-45.36	
			<i>For 60 Degree Bend, Deduct</i>	-26.94	
26 05 36 00-2317	EA		9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	100.32	9.59
			<i>For 30 Degree Bend, Deduct</i>	-49.56	
			<i>For 60 Degree Bend, Deduct</i>	-29.41	
26 05 36 00-2318	EA		12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	108.61	11.89
			<i>For 30 Degree Bend, Deduct</i>	-52.81	
			<i>For 60 Degree Bend, Deduct</i>	-31.29	
26 05 36 00-2319	EA		18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	129.08	13.24
			<i>For 30 Degree Bend, Deduct</i>	-63.28	
			<i>For 60 Degree Bend, Deduct</i>	-37.53	
26 05 36 00-2320	EA		24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	156.76	16.17
			<i>For 30 Degree Bend, Deduct</i>	-76.79	
			<i>For 60 Degree Bend, Deduct</i>	-45.53	
26 05 36 00-2321	EA		30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	180.15	19.30
			<i>For 30 Degree Bend, Deduct</i>	-87.84	
			<i>For 60 Degree Bend, Deduct</i>	-52.06	
26 05 36 00-2322	EA		36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	203.32	20.86
			<i>For 30 Degree Bend, Deduct</i>	-99.65	
			<i>For 60 Degree Bend, Deduct</i>	-59.09	
<b>26 05 36 00-2323</b>			<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2324	EA		6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	55.78	6.68
26 05 36 00-2325	EA		9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	58.02	7.82
26 05 36 00-2326	EA		12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	64.36	9.28
26 05 36 00-2327	EA		18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	75.91	11.37
26 05 36 00-2328	EA		24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	83.74	14.71
26 05 36 00-2329	EA		30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	88.25	16.79
26 05 36 00-2330	EA		36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	106.23	20.03
<b>26 05 36 00-2331</b>			<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2332	EA		6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	63.54	7.41
26 05 36 00-2333	EA		9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	70.20	8.66
26 05 36 00-2334	EA		12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	77.78	10.43
26 05 36 00-2335	EA		18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	93.74	12.52
26 05 36 00-2336	EA		24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	106.62	16.17
26 05 36 00-2337	EA		30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	134.57	19.30
26 05 36 00-2338	EA		36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	149.56	22.74
<b>26 05 36 00-2339</b>			<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2340	EA		6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	73.05	8.34
26 05 36 00-2341	EA		9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	88.94	9.59
26 05 36 00-2342	EA		12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	104.11	11.89
26 05 36 00-2343	EA		18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	124.51	13.24
26 05 36 00-2344	EA		24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	151.54	18.47
26 05 36 00-2345	EA		30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	188.89	21.80
26 05 36 00-2346	EA		36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	205.63	25.03
<b>26 05 36 00-2347</b>			<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2348	EA		6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	91.03	10.85
26 05 36 00-2349	EA		9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	98.29	12.52
26 05 36 00-2350	EA		12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	111.00	14.71
26 05 36 00-2351	EA		18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	130.36	16.69
26 05 36 00-2352	EA		24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	161.93	19.30
26 05 36 00-2353	EA		30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	198.87	27.75
26 05 36 00-2354	EA		36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	239.98	33.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-2355</b> <b>24" Radius Horizontal Tees</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2356 EA 6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	137.40	11.37
26 05 36 00-2357 EA 9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	154.12	13.24
26 05 36 00-2358 EA 12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	174.08	15.65
26 05 36 00-2359 EA 18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	202.91	17.95
26 05 36 00-2360 EA 24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	310.25	20.86
26 05 36 00-2361 EA 30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	357.36	31.29
26 05 36 00-2362 EA 36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	403.48	38.49
<b>26 05 36 00-2363</b> <b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2364 EA 6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	236.17	11.89
26 05 36 00-2365 EA 9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	244.07	13.88
26 05 36 00-2366 EA 12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	271.53	16.69
26 05 36 00-2367 EA 18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	307.75	19.30
26 05 36 00-2368 EA 24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	388.69	22.74
26 05 36 00-2369 EA 30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	453.74	35.88
26 05 36 00-2370 EA 36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	519.72	45.38
<b>26 05 36 00-2371</b> <b>12" Radius Horizontal Crosses</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2372 EA 6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	136.10	14.71
26 05 36 00-2373 EA 9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	144.51	15.65
26 05 36 00-2374 EA 12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	159.97	16.69
26 05 36 00-2375 EA 18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	191.54	19.30
26 05 36 00-2376 EA 24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	230.71	27.75
26 05 36 00-2377 EA 30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	274.08	33.28
26 05 36 00-2378 EA 36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	312.35	35.78
<b>26 05 36 00-2379</b> <b>24" Radius Horizontal Crosses</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2380 EA 6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	244.74	15.65
26 05 36 00-2381 EA 9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	262.42	16.69
26 05 36 00-2382 EA 12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	282.62	17.95
26 05 36 00-2383 EA 18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	328.47	20.86
26 05 36 00-2384 EA 24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	402.87	31.29
26 05 36 00-2385 EA 30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	474.00	38.49
26 05 36 00-2386 EA 36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	513.48	41.62
<b>26 05 36 00-2387</b> <b>36" Radius Horizontal Crosses</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2388 EA 6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	378.57	16.69
26 05 36 00-2389 EA 9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	396.50	17.95
26 05 36 00-2390 EA 12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	426.17	19.30
26 05 36 00-2391 EA 18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	470.68	22.74
26 05 36 00-2392 EA 24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	594.90	35.78
26 05 36 00-2393 EA 30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	690.87	45.59
26 05 36 00-2394 EA 36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	755.27	50.07
<b>26 05 36 00-2395</b> <b>Reducers</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2396 EA 9"-6" Reducer, Aluminum Cable Tray Covers.....	68.84	7.82
26 05 36 00-2397 EA 12"-6" Reducer, Aluminum Cable Tray Covers.....	73.51	9.28
26 05 36 00-2398 EA 12"-9" Reducer, Aluminum Cable Tray Covers.....	73.51	9.28
26 05 36 00-2399 EA 18"-6" Reducer, Aluminum Cable Tray Covers.....	82.73	11.37
26 05 36 00-2400 EA 18"-12" Reducer, Aluminum Cable Tray Covers.....	82.73	11.37
26 05 36 00-2401 EA 24"-12" Reducer, Aluminum Cable Tray Covers.....	91.46	12.52
26 05 36 00-2402 EA 24"-18" Reducer, Aluminum Cable Tray Covers.....	100.53	12.52
26 05 36 00-2403 EA 30"-12" Reducer, Aluminum Cable Tray Covers.....	105.85	14.29
26 05 36 00-2404 EA 30"-18" Reducer, Aluminum Cable Tray Covers.....	109.24	14.29
26 05 36 00-2405 EA 30"-24" Reducer, Aluminum Cable Tray Covers.....	111.57	14.29
26 05 36 00-2406 EA 36"-12" Reducer, Aluminum Cable Tray Covers.....	117.13	15.65
26 05 36 00-2407 EA 36"-18" Reducer, Aluminum Cable Tray Covers.....	119.40	15.65
26 05 36 00-2408 EA 36"-24" Reducer, Aluminum Cable Tray Covers.....	120.54	15.65
26 05 36 00-2409 EA 36"-30" Reducer, Aluminum Cable Tray Covers.....	121.68	15.65
<b>26 05 36 00-2410</b> <b>Galvanized Steel Dividers</b> <small>(26 05 36 00-2121)</small>		
<b>26 05 36 00-2411</b> <b>Straight Dividers</b> <small>(26 05 36 00-2410)</small>		
26 05 36 00-2412 LF 3" Deep Galvanized Steel Divider Strip, Straight.....	8.57	2.51
26 05 36 00-2413 LF 4" Deep Galvanized Steel Divider Strip, Straight.....	10.03	2.72
26 05 36 00-2414 LF 6" Deep Galvanized Steel Divider Strip, Straight.....	12.32	3.13
<b>26 05 36 00-2415</b> <b>3" Deep Vertical Dividers</b> <small>(26 05 36 00-2410)</small>		
26 05 36 00-2416 EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	51.42	17.95
26 05 36 00-2417 EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	57.97	18.57

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2418 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray .....	60.89	19.30
26 05 36 00-2419 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray .....	69.34	20.03
26 05 36 00-2420 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray .....	66.14	20.03
26 05 36 00-2421 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray .....	71.49	20.86
26 05 36 00-2422 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray .....	82.65	21.80
26 05 36 00-2423 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray .....	101.10	22.74
26 05 36 00-2424 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable .....	81.92	22.74
26 05 36 00-2425 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray .....	90.88	23.89
26 05 36 00-2426 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray .....	101.66	25.03
26 05 36 00-2427 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray .....	127.01	26.39
<b>26 05 36 00-2428 4" Deep Vertical Dividers (26 05 36 00-2410)</b>		
26 05 36 00-2429 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray .....	58.37	18.57
26 05 36 00-2430 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray .....	64.08	19.30
26 05 36 00-2431 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray .....	69.34	20.03
26 05 36 00-2432 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray .....	78.68	20.86
26 05 36 00-2433 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray .....	78.68	20.86
26 05 36 00-2434 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray .....	91.44	21.80
26 05 36 00-2435 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray .....	100.30	22.74
26 05 36 00-2436 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray .....	122.84	23.89
26 05 36 00-2437 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray .....	87.44	21.80
26 05 36 00-2438 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray .....	96.30	22.74
26 05 36 00-2439 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray .....	113.26	23.89
26 05 36 00-2440 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray .....	141.62	25.03
<b>26 05 36 00-2441 6" Deep Vertical Dividers (26 05 36 00-2410)</b>		
26 05 36 00-2442 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray .....	64.70	20.86
26 05 36 00-2443 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray .....	69.86	21.80
26 05 36 00-2444 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray .....	76.33	22.74
26 05 36 00-2445 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray .....	87.69	23.89
26 05 36 00-2446 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray .....	80.25	21.80
26 05 36 00-2447 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray .....	93.11	22.74
26 05 36 00-2448 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray .....	102.87	23.89
26 05 36 00-2449 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray .....	124.83	25.03
26 05 36 00-2450 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray .....	89.11	22.74
26 05 36 00-2451 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray .....	102.87	23.89
26 05 36 00-2452 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray .....	124.83	25.03
26 05 36 00-2453 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray .....	150.99	26.39
<b>26 05 36 00-2454 Horizontal Dividers (26 05 36 00-2410)</b>		
26 05 36 00-2455 EA 3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray .....	56.00	15.13
26 05 36 00-2456 EA 4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray .....	62.21	16.69
26 05 36 00-2457 EA 6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray .....	74.83	18.57
<b>26 05 36 00-2458 Aluminum Dividers (26 05 36 00-2121)</b>		
<b>26 05 36 00-2459 Straight Dividers (26 05 36 00-2458)</b>		
26 05 36 00-2460 LF 3" Deep Aluminum Divider Strip, Straight .....	10.22	2.40
26 05 36 00-2461 LF 4" Deep Aluminum Divider Strip, Straight .....	12.12	2.61
26 05 36 00-2462 LF 6" Deep Aluminum Divider Strip, Straight .....	15.03	2.92
<b>26 05 36 00-2463 3" Deep Vertical Dividers (26 05 36 00-2458)</b>		
26 05 36 00-2464 EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray .....	53.74	17.31
26 05 36 00-2465 EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray .....	59.26	17.95
26 05 36 00-2466 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray .....	65.31	18.57
26 05 36 00-2467 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray .....	75.70	19.30
26 05 36 00-2468 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray .....	73.52	19.30
26 05 36 00-2469 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray .....	81.32	20.03
26 05 36 00-2470 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray .....	94.65	20.86
26 05 36 00-2471 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray .....	118.01	21.80
26 05 36 00-2472 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray .....	99.49	21.80
26 05 36 00-2473 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray .....	119.68	22.74
26 05 36 00-2474 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray .....	145.42	23.89
26 05 36 00-2475 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray .....	180.09	25.03
<b>26 05 36 00-2476 4" Deep Vertical Dividers (26 05 36 00-2458)</b>		
26 05 36 00-2477 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray .....	65.03	17.95
26 05 36 00-2478 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray .....	71.74	18.57
26 05 36 00-2479 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray .....	78.97	19.30
26 05 36 00-2480 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray .....	88.94	20.03
26 05 36 00-2481 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray .....	87.85	20.03
26 05 36 00-2482 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray .....	102.28	20.86
26 05 36 00-2483 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray .....	115.83	21.80
26 05 36 00-2484 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray .....	146.92	22.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2485 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray.....	119.71	20.86
26 05 36 00-2486 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray.....	145.25	21.80
26 05 36 00-2487 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray.....	170.89	22.74
26 05 36 00-2488 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	207.52	23.89
<b>26 05 36 00-2489 6" Deep Vertical Dividers</b> <small>(26 05 36 00-2458)</small>		
26 05 36 00-2490 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray.....	71.95	20.03
26 05 36 00-2491 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray.....	80.49	20.86
26 05 36 00-2492 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray.....	84.24	21.80
26 05 36 00-2493 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray.....	94.62	22.74
26 05 36 00-2494 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray.....	91.38	20.86
26 05 36 00-2495 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray.....	113.65	21.80
26 05 36 00-2496 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray.....	122.95	22.74
26 05 36 00-2497 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray.....	155.23	23.89
26 05 36 00-2498 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray.....	122.37	21.80
26 05 36 00-2499 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray.....	153.46	22.74
26 05 36 00-2500 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray.....	175.93	23.89
26 05 36 00-2501 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	205.15	25.03
<b>26 05 36 00-2502 Horizontal Dividers</b> <small>(26 05 36 00-2458)</small>		
26 05 36 00-2503 EA 3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray .....	63.55	14.29
26 05 36 00-2504 EA 4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray .....	69.66	15.65
26 05 36 00-2505 EA 6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray .....	86.53	17.31
<b>26 05 36 00-2506 Wall Brackets</b> <small>(26 05 36 00-0001)</small>		
<b>26 05 36 00-2507 Wall Brackets</b> <small>(26 05 36 00-2506)</small>		
26 05 36 00-2508 EA 6" Wide Tray Wall Bracket.....	78.81	20.86
26 05 36 00-2509 EA 9" Wide Tray Wall Bracket.....	81.64	21.80
26 05 36 00-2510 EA 12" Wide Tray Wall Bracket.....	89.60	22.74
26 05 36 00-2511 EA 18" Wide Tray Wall Bracket.....	95.15	23.89
26 05 36 00-2512 EA 24" Wide Tray Wall Bracket.....	103.44	25.03
26 05 36 00-2513 EA 30" Wide Tray Wall Bracket.....	123.25	26.39
26 05 36 00-2514 EA 36" Wide Tray Wall Bracket.....	147.69	28.16
<b>26 05 36 00-2515 Triangle Wall Brackets</b> <small>(26 05 36 00-2506)</small>		
26 05 36 00-2516 EA 6" Wide, Ladder Rack Triangle Wall Support (Hubbell HLTSB06B).....	87.77	20.86
26 05 36 00-2517 EA 12" Wide, Ladder Rack Triangle Wall Support (Hubbell HLTSB12B) .....	101.06	22.74
26 05 36 00-2518 EA 18" Wide, Ladder Rack Triangle Wall Support (Hubbell HLTSB18B) .....	106.52	23.89
26 05 36 00-2519 EA 24" Wide Ladder Rack, Triangle Wall Support (Hubbell HLTSB24B) .....	111.61	25.03
<b>26 05 36 00-2520 Cable Retaining Posts</b> <small>(26 05 36 00-0001)</small>		
Note: Includes mounting bracket and end cap.		
26 05 36 00-2521 EA 6" High, Cable Retaining Post (Hubbell HLP06B).....	32.00	4.18
26 05 36 00-2522 EA 8" High, Cable Retaining Post (Hubbell HLP08B).....	32.88	4.18
26 05 36 00-2523 EA 10" High, Cable Retaining Post (Hubbell HLP10B).....	34.07	4.18
<b>26 05 36 00-2524 Fiberglass Cable Tray</b> <small>(26 05 36 00-0001)</small>		
<b>26 05 36 00-2525 Ladder Bottom Fiberglass Cable Tray</b> <small>(26 05 36 00-2524)</small>		
Note: Excludes hangers and support system.		
<b>26 05 36 00-2526 Straight Tray Sections</b> <small>(26 05 36 00-2525)</small>		
26 05 36 00-2527 LF 6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing .....	10.69	2.82
For 6" Rung Spacing, Add	0.98	
For 4" Rung Spacing, Add	1.79	
For Vented Trough Bottom, Add	3.13	
For Solid Bottom, Add	2.58	
For 18" Rung Spacing, Deduct	-0.16	
For 9" Rung Spacing, Add	0.23	
26 05 36 00-2528 LF 9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing .....	11.95	3.44
For 6" Rung Spacing, Add	1.01	
For 4" Rung Spacing, Add	1.85	
For Vented Trough Bottom, Add	3.35	
For Solid Bottom, Add	2.80	
For 18" Rung Spacing, Deduct	-0.17	
For 9" Rung Spacing, Add	0.24	
26 05 36 00-2529 LF 12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing .....	13.19	4.17
For 6" Rung Spacing, Add	1.04	
For 4" Rung Spacing, Add	1.91	
For Vented Trough Bottom, Add	3.55	
For Solid Bottom, Add	3.02	
For 18" Rung Spacing, Deduct	-0.17	
For 9" Rung Spacing, Add	0.24	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 36 Cable Trays for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2530	LF		18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	15.79	5.52
			For 6" Rung Spacing, Add	1.12	
			For 4" Rung Spacing, Add	2.05	
			For Vented Trough Bottom, Add	4.02	
			For Solid Bottom, Add	3.49	
			For 18" Rung Spacing, Deduct	-0.19	
			For 9" Rung Spacing, Add	0.26	
26 05 36 00-2531	LF		24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	18.38	6.99
			For 6" Rung Spacing, Add	1.19	
			For 4" Rung Spacing, Add	2.19	
			For Vented Trough Bottom, Add	4.48	
			For Solid Bottom, Add	3.95	
			For 18" Rung Spacing, Deduct	-0.20	
			For 9" Rung Spacing, Add	0.28	
26 05 36 00-2532	LF		30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	20.09	7.62
			For 6" Rung Spacing, Add	1.29	
			For 4" Rung Spacing, Add	2.37	
			For Vented Trough Bottom, Add	4.88	
			For Solid Bottom, Add	4.31	
			For 18" Rung Spacing, Deduct	-0.22	
			For 9" Rung Spacing, Add	0.30	
26 05 36 00-2533	LF		36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	21.84	8.34
			For 6" Rung Spacing, Add	1.40	
			For 4" Rung Spacing, Add	2.57	
			For Vented Trough Bottom, Add	5.30	
			For Solid Bottom, Add	4.68	
			For 18" Rung Spacing, Deduct	-0.23	
			For 9" Rung Spacing, Add	0.33	
<b>26 05 36 00-2534</b>			<b>90 Degree Horizontal Elbows (26 05 36 00-2525)</b>		
26 05 36 00-2535	EA		6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	57.68	20.86
			For 6" Rung Spacing, Add	3.96	
			For 30 Degree Bend, Deduct	-20.77	
			For 4" Rung Spacing, Add	7.26	
			For 45 Degree Bend, Deduct	-16.31	
			For Vented Trough Bottom, Add	14.47	
			For Solid Bottom, Add	12.61	
			For 18" Rung Spacing, Deduct	-0.66	
			For 60 Degree Bend, Deduct	-11.84	
			For 9" Rung Spacing, Add	0.92	
26 05 36 00-2536	EA		9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	64.41	24.30
			For 6" Rung Spacing, Add	4.19	
			For 30 Degree Bend, Deduct	-22.65	
			For 4" Rung Spacing, Add	7.68	
			For 45 Degree Bend, Deduct	-17.76	
			For Vented Trough Bottom, Add	15.73	
			For Solid Bottom, Add	13.85	
			For 18" Rung Spacing, Deduct	-0.70	
			For 60 Degree Bend, Deduct	-12.86	
			For 9" Rung Spacing, Add	0.98	
26 05 36 00-2537	EA		12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	75.32	30.56
			For 6" Rung Spacing, Add	4.41	
			For 30 Degree Bend, Deduct	-25.36	
			For 4" Rung Spacing, Add	8.09	
			For 45 Degree Bend, Deduct	-19.83	
			For Vented Trough Bottom, Add	17.51	
			For Solid Bottom, Add	15.71	
			For 18" Rung Spacing, Deduct	-0.74	
			For 60 Degree Bend, Deduct	-14.30	
			For 9" Rung Spacing, Add	1.03	
26 05 36 00-2538	EA		18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	89.07	36.92
			For 6" Rung Spacing, Add	5.07	
			For 30 Degree Bend, Deduct	-29.64	
			For 4" Rung Spacing, Add	9.29	
			For 45 Degree Bend, Deduct	-23.16	
			For Vented Trough Bottom, Add	20.43	
			For Solid Bottom, Add	18.43	
			For 18" Rung Spacing, Deduct	-0.84	
			For 60 Degree Bend, Deduct	-16.68	
			For 9" Rung Spacing, Add	1.18	
26 05 36 00-2539	EA		24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	100.78	42.46
			For 6" Rung Spacing, Add	5.57	
			For 30 Degree Bend, Deduct	-33.16	
			For 4" Rung Spacing, Add	10.22	
			For 45 Degree Bend, Deduct	-25.89	
			For Vented Trough Bottom, Add	22.81	
			For Solid Bottom, Add	20.69	
			For 18" Rung Spacing, Deduct	-0.93	
			For 60 Degree Bend, Deduct	-18.62	
			For 9" Rung Spacing, Add	1.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2540 EA 30° Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	110.50	45.27
<i>For 6" Rung Spacing, Add</i>	6.41	
<i>For 30 Degree Bend, Deduct</i>	-37.05	
<i>For 4" Rung Spacing, Add</i>	11.74	
<i>For 45 Degree Bend, Deduct</i>	-28.96	
<i>For Vented Trough Bottom, Add</i>	25.56	
<i>For Solid Bottom, Add</i>	22.98	
<i>For 18" Rung Spacing, Deduct</i>	-1.07	
<i>For 60 Degree Bend, Deduct</i>	-20.87	
<i>For 9" Rung Spacing, Add</i>	1.49	
26 05 36 00-2541 EA 36° Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	122.06	48.72
<i>For 6" Rung Spacing, Add</i>	7.36	
<i>For 30 Degree Bend, Deduct</i>	-41.58	
<i>For 4" Rung Spacing, Add</i>	13.49	
<i>For 45 Degree Bend, Deduct</i>	-32.53	
<i>For Vented Trough Bottom, Add</i>	28.74	
<i>For Solid Bottom, Add</i>	25.67	
<i>For 18" Rung Spacing, Deduct</i>	-1.23	
<i>For 60 Degree Bend, Deduct</i>	-23.49	
<i>For 9" Rung Spacing, Add</i>	1.72	
<b>26 05 36 00-2542 Inside Or Outside Vertical Risers (26 05 36 00-2525)</b>		
26 05 36 00-2543 EA 6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray .....	85.25	20.86
<i>For 6" Rung Spacing, Add</i>	8.09	
<i>For 30 Degree Bend, Deduct</i>	-35.94	
<i>For 4" Rung Spacing, Add</i>	14.84	
<i>For 45 Degree Bend, Deduct</i>	-28.44	
<i>For Vented Trough Bottom, Add</i>	25.50	
<i>For Solid Bottom, Add</i>	20.88	
<i>For 18" Rung Spacing, Deduct</i>	-1.35	
<i>For 60 Degree Bend, Deduct</i>	-20.94	
<i>For 9" Rung Spacing, Add</i>	1.89	
26 05 36 00-2544 EA 9" Vertical Inside Or Outside Riser 90, Fiberglass .....	91.23	24.30
<i>For 6" Rung Spacing, Add</i>	8.21	
<i>For 30 Degree Bend, Deduct</i>	-37.40	
<i>For 4" Rung Spacing, Add</i>	15.05	
<i>For 45 Degree Bend, Deduct</i>	-29.56	
<i>For Vented Trough Bottom, Add</i>	26.45	
<i>For Solid Bottom, Add</i>	21.89	
<i>For 18" Rung Spacing, Deduct</i>	-1.37	
<i>For 60 Degree Bend, Deduct</i>	-21.71	
<i>For 9" Rung Spacing, Add</i>	1.92	
26 05 36 00-2545 EA 12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray .....	101.38	30.56
<i>For 6" Rung Spacing, Add</i>	8.32	
<i>For 30 Degree Bend, Deduct</i>	-39.69	
<i>For 4" Rung Spacing, Add</i>	15.26	
<i>For 45 Degree Bend, Deduct</i>	-31.30	
<i>For Vented Trough Bottom, Add</i>	27.93	
<i>For Solid Bottom, Add</i>	23.53	
<i>For 18" Rung Spacing, Deduct</i>	-1.39	
<i>For 60 Degree Bend, Deduct</i>	-22.90	
<i>For 9" Rung Spacing, Add</i>	1.94	
26 05 36 00-2546 EA 18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray .....	112.44	36.92
<i>For 6" Rung Spacing, Add</i>	8.57	
<i>For 30 Degree Bend, Deduct</i>	-42.49	
<i>For 4" Rung Spacing, Add</i>	15.72	
<i>For 45 Degree Bend, Deduct</i>	-33.44	
<i>For Vented Trough Bottom, Add</i>	29.77	
<i>For Solid Bottom, Add</i>	25.44	
<i>For 18" Rung Spacing, Deduct</i>	-1.43	
<i>For 60 Degree Bend, Deduct</i>	-24.39	
<i>For 9" Rung Spacing, Add</i>	2.00	
26 05 36 00-2547 EA 24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray .....	122.30	42.46
<i>For 6" Rung Spacing, Add</i>	8.80	
<i>For 30 Degree Bend, Deduct</i>	-44.99	
<i>For 4" Rung Spacing, Add</i>	16.13	
<i>For 45 Degree Bend, Deduct</i>	-35.36	
<i>For Vented Trough Bottom, Add</i>	31.42	
<i>For Solid Bottom, Add</i>	27.15	
<i>For 18" Rung Spacing, Deduct</i>	-1.47	
<i>For 60 Degree Bend, Deduct</i>	-25.72	
<i>For 9" Rung Spacing, Add</i>	2.05	
26 05 36 00-2548 EA 30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray .....	127.98	45.27
<i>For 6" Rung Spacing, Add</i>	9.03	
<i>For 30 Degree Bend, Deduct</i>	-46.66	
<i>For 4" Rung Spacing, Add</i>	16.55	
<i>For 45 Degree Bend, Deduct</i>	-36.65	
<i>For Vented Trough Bottom, Add</i>	32.55	
<i>For Solid Bottom, Add</i>	28.22	
<i>For 18" Rung Spacing, Deduct</i>	-1.50	
<i>For 60 Degree Bend, Deduct</i>	-26.64	
<i>For 9" Rung Spacing, Add</i>	2.11	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2549	EA		36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	139.50	48.72
			<i>For 6" Rung Spacing, Add</i>	9.97	
			<i>For 30 Degree Bend, Deduct</i>	-51.17	
			<i>For 4" Rung Spacing, Add</i>	18.28	
			<i>For 45 Degree Bend, Deduct</i>	-40.20	
			<i>For Vented Trough Bottom, Add</i>	35.72	
			<i>For Solid Bottom, Add</i>	30.90	
			<i>For 18" Rung Spacing, Deduct</i>	-1.66	
			<i>For 60 Degree Bend, Deduct</i>	-29.24	
			<i>For 9" Rung Spacing, Add</i>	2.33	
<b>26 05 36 00-2550</b>			<b>Horizontal Tees</b> <small>(26 05 36 00-2525)</small>		
26 05 36 00-2551	EA		6" Horizontal Tee, Fiberglass Cable Tray .....	124.80	52.15
			<i>For 6" Rung Spacing, Add</i>	6.99	
			<i>For 4" Rung Spacing, Add</i>	12.81	
			<i>For Vented Trough Bottom, Add</i>	28.41	
			<i>For Solid Bottom, Add</i>	25.71	
			<i>For 18" Rung Spacing, Deduct</i>	-1.16	
			<i>For 9" Rung Spacing, Add</i>	1.63	
26 05 36 00-2552	EA		9" Horizontal Tee, Fiberglass Cable Tray .....	140.21	61.23
			<i>For 6" Rung Spacing, Add</i>	7.26	
			<i>For 4" Rung Spacing, Add</i>	13.31	
			<i>For Vented Trough Bottom, Add</i>	30.84	
			<i>For Solid Bottom, Add</i>	28.29	
			<i>For 18" Rung Spacing, Deduct</i>	-1.21	
			<i>For 9" Rung Spacing, Add</i>	1.69	
26 05 36 00-2553	EA		12" Horizontal Tee, Fiberglass Cable Tray .....	159.79	73.02
			<i>For 6" Rung Spacing, Add</i>	7.54	
			<i>For 4" Rung Spacing, Add</i>	13.82	
			<i>For Vented Trough Bottom, Add</i>	33.80	
			<i>For Solid Bottom, Add</i>	31.51	
			<i>For 18" Rung Spacing, Deduct</i>	-1.26	
			<i>For 9" Rung Spacing, Add</i>	1.76	
26 05 36 00-2554	EA		18" Horizontal Tee, Fiberglass Cable Tray .....	178.40	82.09
			<i>For 6" Rung Spacing, Add</i>	8.30	
			<i>For 4" Rung Spacing, Add</i>	15.21	
			<i>For Vented Trough Bottom, Add</i>	37.51	
			<i>For Solid Bottom, Add</i>	35.06	
			<i>For 18" Rung Spacing, Deduct</i>	-1.38	
			<i>For 9" Rung Spacing, Add</i>	1.94	
26 05 36 00-2555	EA		24" Horizontal Tee, Fiberglass Cable Tray .....	187.64	85.54
			<i>For 6" Rung Spacing, Add</i>	8.90	
			<i>For 4" Rung Spacing, Add</i>	16.32	
			<i>For Vented Trough Bottom, Add</i>	39.77	
			<i>For Solid Bottom, Add</i>	37.05	
			<i>For 18" Rung Spacing, Deduct</i>	-1.48	
			<i>For 9" Rung Spacing, Add</i>	2.08	
26 05 36 00-2556	EA		30" Horizontal Tee, Fiberglass Cable Tray .....	201.16	90.44
			<i>For 6" Rung Spacing, Add</i>	9.83	
			<i>For 4" Rung Spacing, Add</i>	18.03	
			<i>For Vented Trough Bottom, Add</i>	43.17	
			<i>For Solid Bottom, Add</i>	40.01	
			<i>For 18" Rung Spacing, Deduct</i>	-1.64	
			<i>For 9" Rung Spacing, Add</i>	2.29	
26 05 36 00-2557	EA		36" Horizontal Tee, Fiberglass Cable Tray .....	218.47	97.43
			<i>For 6" Rung Spacing, Add</i>	10.86	
			<i>For 4" Rung Spacing, Add</i>	19.92	
			<i>For Vented Trough Bottom, Add</i>	47.23	
			<i>For Solid Bottom, Add</i>	43.64	
			<i>For 18" Rung Spacing, Deduct</i>	-1.81	
			<i>For 9" Rung Spacing, Add</i>	2.54	
<b>26 05 36 00-2558</b>			<b>Horizontal Crosses</b> <small>(26 05 36 00-2525)</small>		
26 05 36 00-2559	EA		6" Horizontal Cross, Fiberglass Cable Tray .....	195.28	90.44
			<i>For 6" Rung Spacing, Add</i>	8.95	
			<i>For 4" Rung Spacing, Add</i>	16.41	
			<i>For Vented Trough Bottom, Add</i>	40.82	
			<i>For Solid Bottom, Add</i>	38.24	
			<i>For 18" Rung Spacing, Deduct</i>	-1.49	
			<i>For 9" Rung Spacing, Add</i>	2.09	
26 05 36 00-2560	EA		9" Horizontal Cross, Fiberglass Cable Tray .....	207.48	97.43
			<i>For 6" Rung Spacing, Add</i>	9.22	
			<i>For 4" Rung Spacing, Add</i>	16.90	
			<i>For Vented Trough Bottom, Add</i>	42.83	
			<i>For Solid Bottom, Add</i>	40.34	
			<i>For 18" Rung Spacing, Deduct</i>	-1.54	
			<i>For 9" Rung Spacing, Add</i>	2.15	
26 05 36 00-2561	EA		12" Horizontal Cross, Fiberglass Cable Tray .....	219.68	104.42
			<i>For 6" Rung Spacing, Add</i>	9.48	
			<i>For 4" Rung Spacing, Add</i>	17.38	
			<i>For Vented Trough Bottom, Add</i>	44.84	
			<i>For Solid Bottom, Add</i>	42.43	
			<i>For 18" Rung Spacing, Deduct</i>	-1.58	
			<i>For 9" Rung Spacing, Add</i>	2.21	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2562 EA 18" Horizontal Cross, Fiberglass Cable Tray .....	235.15	111.30
<i>For 6" Rung Spacing, Add</i>	10.24	
<i>For 4" Rung Spacing, Add</i>	18.77	
<i>For Vented Trough Bottom, Add</i>	48.16	
<i>For Solid Bottom, Add</i>	45.51	
<i>For 18" Rung Spacing, Deduct</i>	-1.71	
<i>For 9" Rung Spacing, Add</i>	2.39	
26 05 36 00-2563 EA 24" Horizontal Cross, Fiberglass Cable Tray .....	249.45	118.28
<i>For 6" Rung Spacing, Add</i>	10.82	
<i>For 4" Rung Spacing, Add</i>	19.83	
<i>For Vented Trough Bottom, Add</i>	51.01	
<i>For Solid Bottom, Add</i>	48.24	
<i>For 18" Rung Spacing, Deduct</i>	-1.80	
<i>For 9" Rung Spacing, Add</i>	2.52	
26 05 36 00-2564 EA 30" Horizontal Cross, Fiberglass Cable Tray .....	266.27	125.28
<i>For 6" Rung Spacing, Add</i>	11.78	
<i>For 4" Rung Spacing, Add</i>	21.59	
<i>For Vented Trough Bottom, Add</i>	54.87	
<i>For Solid Bottom, Add</i>	51.72	
<i>For 18" Rung Spacing, Deduct</i>	-1.96	
<i>For 9" Rung Spacing, Add</i>	2.75	
26 05 36 00-2565 EA 36" Horizontal Cross, Fiberglass Cable Tray .....	288.06	134.24
<i>For 6" Rung Spacing, Add</i>	13.01	
<i>For 4" Rung Spacing, Add</i>	23.85	
<i>For Vented Trough Bottom, Add</i>	59.86	
<i>For Solid Bottom, Add</i>	56.22	
<i>For 18" Rung Spacing, Deduct</i>	-2.17	
<i>For 9" Rung Spacing, Add</i>	3.04	
<b>26 05 36 00-2566 Horizontal Wyes</b> <small>(26 05 36 00-2525)</small>		
26 05 36 00-2567 EA 6" Horizontal Wye, Fiberglass Cable Tray .....	120.09	52.15
<i>For 6" Rung Spacing, Add</i>	6.28	
<i>For 4" Rung Spacing, Add</i>	11.51	
<i>For Vented Trough Bottom, Add</i>	26.52	
<i>For Solid Bottom, Add</i>	24.29	
<i>For 18" Rung Spacing, Deduct</i>	-1.05	
<i>For 9" Rung Spacing, Add</i>	1.47	
26 05 36 00-2568 EA 9" Horizontal Wye, Fiberglass Cable Tray .....	127.00	55.70
<i>For 6" Rung Spacing, Add</i>	6.53	
<i>For 4" Rung Spacing, Add</i>	11.98	
<i>For Vented Trough Bottom, Add</i>	27.85	
<i>For Solid Bottom, Add</i>	25.58	
<i>For 18" Rung Spacing, Deduct</i>	-1.09	
<i>For 9" Rung Spacing, Add</i>	1.52	
26 05 36 00-2569 EA 12" Horizontal Wye, Fiberglass Cable Tray .....	154.75	73.02
<i>For 6" Rung Spacing, Add</i>	6.78	
<i>For 4" Rung Spacing, Add</i>	12.44	
<i>For Vented Trough Bottom, Add</i>	31.78	
<i>For Solid Bottom, Add</i>	30.00	
<i>For 18" Rung Spacing, Deduct</i>	-1.13	
<i>For 9" Rung Spacing, Add</i>	1.58	
26 05 36 00-2570 EA 18" Horizontal Wye, Fiberglass Cable Tray .....	172.85	82.09
<i>For 6" Rung Spacing, Add</i>	7.46	
<i>For 4" Rung Spacing, Add</i>	13.68	
<i>For Vented Trough Bottom, Add</i>	35.29	
<i>For Solid Bottom, Add</i>	33.39	
<i>For 18" Rung Spacing, Deduct</i>	-1.24	
<i>For 9" Rung Spacing, Add</i>	1.74	
26 05 36 00-2571 EA 24" Horizontal Wye, Fiberglass Cable Tray .....	181.59	85.54
<i>For 6" Rung Spacing, Add</i>	7.99	
<i>For 4" Rung Spacing, Add</i>	14.65	
<i>For Vented Trough Bottom, Add</i>	37.35	
<i>For Solid Bottom, Add</i>	35.23	
<i>For 18" Rung Spacing, Deduct</i>	-1.33	
<i>For 9" Rung Spacing, Add</i>	1.87	
26 05 36 00-2572 EA 30" Horizontal Wye, Fiberglass Cable Tray .....	194.61	90.44
<i>For 6" Rung Spacing, Add</i>	8.85	
<i>For 4" Rung Spacing, Add</i>	16.23	
<i>For Vented Trough Bottom, Add</i>	40.55	
<i>For Solid Bottom, Add</i>	38.04	
<i>For 18" Rung Spacing, Deduct</i>	-1.48	
<i>For 9" Rung Spacing, Add</i>	2.07	
26 05 36 00-2573 EA 36" Horizontal Wye, Fiberglass Cable Tray .....	211.23	97.43
<i>For 6" Rung Spacing, Add</i>	9.78	
<i>For 4" Rung Spacing, Add</i>	17.93	
<i>For Vented Trough Bottom, Add</i>	44.33	
<i>For Solid Bottom, Add</i>	41.46	
<i>For 18" Rung Spacing, Deduct</i>	-1.63	
<i>For 9" Rung Spacing, Add</i>	2.28	
<b>26 05 36 00-2574 Straight Reducers</b> <small>(26 05 36 00-2525)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2575	EA		9"-6" Reducer, Fiberglass Cable Tray.....	54.99	20.86
			<i>For 6" Rung Spacing, Add</i>	3.56	
			<i>For 4" Rung Spacing, Add</i>	6.52	
			<i>For Vented Trough Bottom, Add</i>	13.39	
			<i>For Solid Bottom, Add</i>	11.80	
			<i>For 18" Rung Spacing, Deduct</i>	-0.59	
			<i>For 9" Rung Spacing, Add</i>	0.83	
26 05 36 00-2576	EA		12"-9" Reducer, Fiberglass Cable Tray.....	60.55	24.30
			<i>For 6" Rung Spacing, Add</i>	3.61	
			<i>For 4" Rung Spacing, Add</i>	6.61	
			<i>For Vented Trough Bottom, Add</i>	14.18	
			<i>For Solid Bottom, Add</i>	12.69	
			<i>For 18" Rung Spacing, Deduct</i>	-0.60	
			<i>For 9" Rung Spacing, Add</i>	0.84	
26 05 36 00-2577	EA		18"-12" Reducer, Fiberglass Cable Tray.....	66.11	27.85
			<i>For 6" Rung Spacing, Add</i>	3.66	
			<i>For 4" Rung Spacing, Add</i>	6.70	
			<i>For Vented Trough Bottom, Add</i>	14.97	
			<i>For Solid Bottom, Add</i>	13.57	
			<i>For 18" Rung Spacing, Deduct</i>	-0.61	
			<i>For 9" Rung Spacing, Add</i>	0.85	
26 05 36 00-2578	EA		24"-18" Reducer, Fiberglass Cable Tray.....	71.12	30.56
			<i>For 6" Rung Spacing, Add</i>	3.78	
			<i>For 4" Rung Spacing, Add</i>	6.94	
			<i>For Vented Trough Bottom, Add</i>	15.83	
			<i>For Solid Bottom, Add</i>	14.45	
			<i>For 18" Rung Spacing, Deduct</i>	-0.63	
			<i>For 9" Rung Spacing, Add</i>	0.88	
26 05 36 00-2579	EA		30"-24" Reducer, Fiberglass Cable Tray.....	79.49	33.38
			<i>For 6" Rung Spacing, Add</i>	4.41	
			<i>For 4" Rung Spacing, Add</i>	8.09	
			<i>For Vented Trough Bottom, Add</i>	18.03	
			<i>For Solid Bottom, Add</i>	16.34	
			<i>For 18" Rung Spacing, Deduct</i>	-0.74	
			<i>For 9" Rung Spacing, Add</i>	1.03	
26 05 36 00-2580	EA		36"-30" Reducer, Fiberglass Cable Tray.....	89.45	36.92
			<i>For 6" Rung Spacing, Add</i>	5.13	
			<i>For 4" Rung Spacing, Add</i>	9.40	
			<i>For Vented Trough Bottom, Add</i>	20.58	
			<i>For Solid Bottom, Add</i>	18.54	
			<i>For 18" Rung Spacing, Deduct</i>	-0.85	
			<i>For 9" Rung Spacing, Add</i>	1.20	
<b>26 05 36 00-2581</b>			<b>Vertical Tees</b> <small>(26 05 36 00-2525)</small>		
26 05 36 00-2582	EA		6" Vertical Tee, Fiberglass Cable Tray.....	167.16	52.15
			<i>For 6" Rung Spacing, Add</i>	13.34	
			<i>For 4" Rung Spacing, Add</i>	24.46	
			<i>For Vented Trough Bottom, Add</i>	45.35	
			<i>For Solid Bottom, Add</i>	38.41	
			<i>For 18" Rung Spacing, Deduct</i>	-2.22	
			<i>For 9" Rung Spacing, Add</i>	3.11	
26 05 36 00-2583	EA		9" Vertical Tee, Fiberglass Cable Tray.....	173.47	55.70
			<i>For 6" Rung Spacing, Add</i>	13.50	
			<i>For 4" Rung Spacing, Add</i>	24.76	
			<i>For Vented Trough Bottom, Add</i>	46.44	
			<i>For Solid Bottom, Add</i>	39.53	
			<i>For 18" Rung Spacing, Deduct</i>	-2.25	
			<i>For 9" Rung Spacing, Add</i>	3.15	
26 05 36 00-2584	EA		12" Vertical Tee, Fiberglass Cable Tray.....	200.63	73.02
			<i>For 6" Rung Spacing, Add</i>	13.67	
			<i>For 4" Rung Spacing, Add</i>	25.06	
			<i>For Vented Trough Bottom, Add</i>	50.13	
			<i>For Solid Bottom, Add</i>	43.76	
			<i>For 18" Rung Spacing, Deduct</i>	-2.28	
			<i>For 9" Rung Spacing, Add</i>	3.19	
26 05 36 00-2585	EA		18" Vertical Tee, Fiberglass Cable Tray.....	216.73	82.09
			<i>For 6" Rung Spacing, Add</i>	14.05	
			<i>For 4" Rung Spacing, Add</i>	25.75	
			<i>For Vented Trough Bottom, Add</i>	52.84	
			<i>For Solid Bottom, Add</i>	46.56	
			<i>For 18" Rung Spacing, Deduct</i>	-2.34	
			<i>For 9" Rung Spacing, Add</i>	3.28	
26 05 36 00-2586	EA		24" Vertical Tee, Fiberglass Cable Tray.....	224.29	85.54
			<i>For 6" Rung Spacing, Add</i>	14.40	
			<i>For 4" Rung Spacing, Add</i>	26.40	
			<i>For Vented Trough Bottom, Add</i>	54.43	
			<i>For Solid Bottom, Add</i>	48.04	
			<i>For 18" Rung Spacing, Deduct</i>	-2.40	
			<i>For 9" Rung Spacing, Add</i>	3.36	
26 05 36 00-2587	EA		30" Vertical Tee, Fiberglass Cable Tray.....	233.77	90.44
			<i>For 6" Rung Spacing, Add</i>	14.73	
			<i>For 4" Rung Spacing, Add</i>	27.00	
			<i>For Vented Trough Bottom, Add</i>	56.22	
			<i>For Solid Bottom, Add</i>	49.79	
			<i>For 18" Rung Spacing, Deduct</i>	-2.45	
			<i>For 9" Rung Spacing, Add</i>	3.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2588 EA 36" Vertical Tee, Fiberglass Cable Tray .....	254.50	97.43
<i>For 6" Rung Spacing, Add</i>	16.27	
<i>For 4" Rung Spacing, Add</i>	29.83	
<i>For Vented Trough Bottom, Add</i>	61.64	
<i>For Solid Bottom, Add</i>	54.44	
<i>For 18" Rung Spacing, Deduct</i>	-2.71	
<i>For 9" Rung Spacing, Add</i>	3.80	
26 05 36 00-2589 Flextray™ Cable Tray <small>(26 05 36 00-0001)</small>		
26 05 36 00-2590 Flextray™ Cable Tray Straight Sections <small>(26 05 36 00-2589)</small>		
<small>Note: Includes splicing and splice bars.</small>		
26 05 36 00-2591 LF 2" Deep x 2" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	28.05	6.57
26 05 36 00-2592 LF 2" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	36.74	7.01
26 05 36 00-2593 LF 2" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	38.66	7.32
26 05 36 00-2594 LF 2" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	40.64	7.70
26 05 36 00-2595 LF 2" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	43.73	8.07
26 05 36 00-2596 LF 2" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	47.25	8.45
26 05 36 00-2597 LF 2" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	48.10	8.82
26 05 36 00-2598 LF 2" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	50.05	9.07
26 05 36 00-2599 LF 2" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	51.04	9.32
26 05 36 00-2600 LF 4" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	37.87	7.72
26 05 36 00-2601 LF 4" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	41.63	8.03
26 05 36 00-2602 LF 4" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	45.48	8.45
26 05 36 00-2603 LF 4" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	48.41	8.86
26 05 36 00-2604 LF 4" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	51.71	9.28
26 05 36 00-2605 LF 4" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	56.27	9.70
26 05 36 00-2606 LF 4" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	59.91	10.02
26 05 36 00-2607 LF 4" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	62.49	10.23
26 05 36 00-2608 LF 4" Deep x 30" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	82.05	10.95
26 05 36 00-2609 LF 6" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	50.72	9.28
26 05 36 00-2610 LF 6" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	58.62	9.70
26 05 36 00-2611 LF 6" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	61.34	10.12
26 05 36 00-2612 LF 6" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	66.51	10.64
26 05 36 00-2613 LF 6" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	68.72	10.85
26 05 36 00-2614 LF 6" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish .....	86.73	11.16
26 05 36 00-2615 Flextray™ Cable Tray Bends <small>(26 05 36 00-2589)</small>		
<small>Note: Includes field fabricated bend and 90 degree kit.</small>		
26 05 36 00-2616 EA 2" Deep x 2" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	21.06	4.90
<small>Note: Field Fabricated</small>		
26 05 36 00-2617 EA 2" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	27.57	5.21
<small>Note: Field Fabricated</small>		
26 05 36 00-2618 EA 2" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	38.66	7.30
<small>Note: Field Fabricated</small>		
26 05 36 00-2619 EA 2" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	61.01	11.58
<small>Note: Field Fabricated</small>		
26 05 36 00-2620 EA 2" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	87.47	16.17
<small>Note: Field Fabricated</small>		
26 05 36 00-2621 EA 2" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	118.14	21.17
<small>Note: Field Fabricated</small>		
26 05 36 00-2622 EA 2" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	132.62	26.50
<small>Note: Field Fabricated</small>		
26 05 36 00-2623 EA 2" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	157.73	31.81
<small>Note: Field Fabricated</small>		
26 05 36 00-2624 EA 2" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	204.21	37.35
<small>Note: Field Fabricated</small>		
26 05 36 00-2625 EA 4" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	28.35	5.73
<small>Note: Field Fabricated</small>		
26 05 36 00-2626 EA 4" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	41.66	8.03
<small>Note: Field Fabricated</small>		
26 05 36 00-2627 EA 4" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	68.19	12.72
<small>Note: Field Fabricated</small>		
26 05 36 00-2628 EA 4" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	96.85	17.74
<small>Note: Field Fabricated</small>		
26 05 36 00-2629 EA 4" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	129.23	23.26
<small>Note: Field Fabricated</small>		
26 05 36 00-2630 EA 4" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	154.77	29.10
<small>Note: Field Fabricated</small>		
26 05 36 00-2631 EA 4" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	188.02	34.94
<small>Note: Field Fabricated</small>		
26 05 36 00-2632 EA 4" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	249.98	41.00
<small>Note: Field Fabricated</small>		
26 05 36 00-2633 EA 4" Deep x 30" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	410.36	54.76
<small>Note: Field Fabricated</small>		
26 05 36 00-2634 EA 6" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	76.01	13.88
<small>Note: Field Fabricated</small>		
26 05 36 00-2635 EA 6" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	117.28	19.40
<small>Note: Field Fabricated</small>		
26 05 36 00-2636 EA 6" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish .....	153.34	25.35
<small>Note: Field Fabricated</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2637 EA 6" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	182.48	31.81
Note: Field Fabricated		
26 05 36 00-2638 EA 6" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	215.24	38.08
Note: Field Fabricated		
26 05 36 00-2639 EA 6" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	346.88	44.74
Note: Field Fabricated		
<b>26 05 36 00-2640 Flextray™ Cable Tray Brackets (26 05 36 00-2589)</b>		
26 05 36 00-2641 EA 6" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	50.76	13.77
26 05 36 00-2642 EA 8" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	55.35	13.77
26 05 36 00-2643 EA 12" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	63.17	13.77
26 05 36 00-2644 EA 16" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	79.52	15.02
26 05 36 00-2645 EA 18" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	86.36	15.02
26 05 36 00-2646 EA 20" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	88.65	15.02
26 05 36 00-2647 EA 24" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	90.68	15.02
<b>26 05 39 Underfloor Raceways for Electrical Systems (26 05)</b>		
<b>26 05 39 00-0001 Underfloor Ducts (26 05 39)</b>		
<b>26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel (26 05 39 00-0001)</b>		
<b>26 05 39 00-0003 Standard Ducts, 3.8 Square Inches (26 05 39 00-0002)</b>		
26 05 39 00-0004 EA Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches.....	88.73	18.36
26 05 39 00-0005 EA Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches.....	111.65	21.49
<b>26 05 39 00-0006 Large Capacity Ducts, 8.9 Square Inches (26 05 39 00-0002)</b>		
26 05 39 00-0007 EA Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches.....	147.57	23.26
26 05 39 00-0008 EA Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches.....	168.99	25.77
<b>26 05 39 00-0009 Junction Boxes (26 05 39 00-0001)</b>		
<b>26 05 39 00-0010 One Level Junction Boxes (26 05 39 00-0009)</b>		
26 05 39 00-0011 EA 1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box.....	224.99	36.51
26 05 39 00-0012 EA 1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box.....	254.62	39.12
26 05 39 00-0013 EA 1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box.....	408.66	36.51
Note: Isolate each duct and form a continuous raceway through the box in both directions.		
26 05 39 00-0014 EA 1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box.....	278.58	39.12
26 05 39 00-0015 EA 1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box.....	441.79	51.42
26 05 39 00-0016 EA 1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct.....	619.30	55.91
<b>26 05 39 00-0017 Two Level Junction Boxes (26 05 39 00-0009)</b>		
26 05 39 00-0018 EA 2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level.....	941.85	36.92
Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.		
26 05 39 00-0019 EA 2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts.....	1,083.55	39.12
<b>26 05 39 00-0020 Elbow Fittings (26 05 39 00-0001)</b>		
<b>26 05 39 00-0021 90 Degree Horizontal Elbow (26 05 39 00-0020)</b>		
26 05 39 00-0022 EA Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree.....	109.73	13.45
26 05 39 00-0023 EA Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree.....	113.02	13.45
<b>26 05 39 00-0024 90 Degree Vertical Elbow (26 05 39 00-0020)</b>		
26 05 39 00-0025 EA Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree.....	61.81	13.45
26 05 39 00-0026 EA Underfloor Large Duct Vertical Elbow Fitting, 90 Degree.....	63.13	13.45
<b>26 05 39 00-0027 Offset Elbow (26 05 39 00-0020)</b>		
Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028 EA Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under.....	61.81	15.65
26 05 39 00-0029 EA Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under.....	63.13	15.65
<b>26 05 39 00-0030 Couplings (26 05 39 00-0001)</b>		
<b>26 05 39 00-0031 Sleeve Couplings (26 05 39 00-0030)</b>		
26 05 39 00-0032 EA Underfloor Standard Duct Sleeve Coupling.....	40.18	20.86
26 05 39 00-0033 EA Underfloor Large Duct Sleeve Coupling.....	62.64	20.86
<b>26 05 39 00-0034 Expansion Couplings (26 05 39 00-0030)</b>		
26 05 39 00-0035 EA Underfloor Standard Duct Expansion Coupling.....	88.77	20.86
26 05 39 00-0036 EA Underfloor Large Duct Expansion Coupling.....	90.41	22.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 39 00-0037</b> Reducing Couplings <small>(26 05 39 00-0030)</small>		
26 05 39 00-0038 EA Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling .....	84.74	3.13
<b>26 05 39 00-0039</b> Duct Supports <small>(26 05 39 00-0001)</small>		
<b>26 05 39 00-0040</b> Combination Support And Coupling <small>(26 05 39 00-0039)</small>		
Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041 EA 1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	92.23	43.81
26 05 39 00-0042 EA 2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	102.89	43.81
26 05 39 00-0043 EA 3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	113.64	43.81
26 05 39 00-0044 EA 1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	102.89	49.03
26 05 39 00-0045 EA 2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	124.63	49.03
26 05 39 00-0046 EA 1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet .....	113.64	52.15
26 05 39 00-0047 EA 2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet .....	113.64	52.15
26 05 39 00-0048 EA 1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet .....	124.63	52.15
<b>26 05 39 00-0049</b> Duct Support Only <small>(26 05 39 00-0039)</small>		
Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050 EA 1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet .....	83.01	38.60
26 05 39 00-0051 EA 2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet .....	97.63	38.60
26 05 39 00-0052 EA 3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet .....	113.32	38.60
<b>26 05 39 00-0053</b> Underfloor Duct Accessories <small>(26 05 39 00-0001)</small>		
<b>26 05 39 00-0054</b> Plugs For Unused Junction Box Openings And Duct Ends <small>(26 05 39 00-0053)</small>		
26 05 39 00-0055 EA Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends .....	26.21	3.13
26 05 39 00-0056 EA Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends .....	26.76	3.13
<b>26 05 39 00-0057</b> Conduit Adapters <small>(26 05 39 00-0053)</small>		
26 05 39 00-0058 EA One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter .....	32.65	5.21
26 05 39 00-0059 EA Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter .....	34.71	5.21
26 05 39 00-0060 EA One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter .....	33.73	5.21
26 05 39 00-0061 EA Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter .....	34.83	5.21
<b>26 05 39 00-0062</b> Holders And Caps <small>(26 05 39 00-0053)</small>		
26 05 39 00-0063 EA Tile Holder, Underfloor Duct Accessories .....	212.30	43.81
26 05 39 00-0064 EA Terrazzo Holder, Underfloor Duct Accessories .....	402.11	43.81
26 05 39 00-0065 EA Closing Caps For Inserts, Underfloor Duct Accessories .....	2.77	1.04
<b>26 05 39 00-0066</b> Underfloor Dust Pans <small>(26 05 39 00-0001)</small>		
26 05 39 00-0067 EA Underfloor Dust Carpet Pan .....	91.16	5.72
<b>26 05 43</b> Underground Ducts and Raceways for Electrical Systems <small>(26 05)</small>		
Note: Includes warning tape.		
<b>26 05 43 00-0001</b> Precast Concrete Trenches, One Piece Pedestrian Trench <small>(26 05 43)</small>		
Note: Rated for 200 PSF Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.		
<b>26 05 43 00-0002</b> 10" Wide Pedestrian Trench <small>(26 05 43 00-0001)</small>		
26 05 43 00-0003 LF Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench .....	82.03	
26 05 43 00-0004 LF Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench .....	78.41	
26 05 43 00-0005 LF Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench .....	113.94	
26 05 43 00-0006 LF Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench .....	108.91	
26 05 43 00-0007 EA End Wall, 10" Wide x 15" Deep Pedestrian Trench .....	55.20	
26 05 43 00-0008 EA End Wall, 10" Wide x 24" Deep Pedestrian Trench .....	65.21	
26 05 43 00-0009 LF Lid, Concrete, 10" Wide Pedestrian Trench .....	54.70	
<b>26 05 43 00-0010</b> 20" Wide Pedestrian Trench <small>(26 05 43 00-0001)</small>		
26 05 43 00-0011 LF Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench .....	103.88	
26 05 43 00-0012 LF Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench .....	97.47	
26 05 43 00-0013 LF Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench .....	140.63	
26 05 43 00-0014 LF Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench .....	134.79	
26 05 43 00-0015 EA End Wall, 20" Wide x 15" Deep Pedestrian Trench .....	68.93	
26 05 43 00-0016 EA End Wall, 20" Wide x 24" Deep Pedestrian Trench .....	100.47	
26 05 43 00-0017 LF Lid, Concrete, 20" Wide Pedestrian Trench .....	68.40	
<b>26 05 43 00-0018</b> 30" Wide Pedestrian Trench <small>(26 05 43 00-0001)</small>		
26 05 43 00-0019 LF Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench .....	132.37	
26 05 43 00-0020 LF Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench .....	155.85	
26 05 43 00-0021 LF Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench .....	165.68	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 43 Underground Ducts and Raceways for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0022 LF Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench .....	159.03	
26 05 43 00-0023 EA End Wall, 30" Wide x 15" Deep Pedestrian Trench .....	98.82	
26 05 43 00-0024 EA End Wall, 30" Wide x 24" Deep Pedestrian Trench .....	134.32	
26 05 43 00-0025 LF Lid, Concrete, 30" Wide Pedestrian Trench .....	85.42	
<b>26 05 43 00-0026 40" Wide Pedestrian Trench (26 05 43 00-0001)</b>		
26 05 43 00-0027 LF Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench .....	158.42	
26 05 43 00-0028 LF Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench .....	152.37	
26 05 43 00-0029 LF Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench .....	193.88	
26 05 43 00-0030 LF Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench .....	186.48	
26 05 43 00-0031 EA End Wall, 40" Wide x 15" Deep Pedestrian Trench .....	126.49	
26 05 43 00-0032 EA End Wall, 40" Wide x 24" Deep Pedestrian Trench .....	171.75	
26 05 43 00-0033 LF Lid, Concrete, 40" Wide Pedestrian Trench .....	100.91	
<b>26 05 43 00-0034 Precast Concrete Trenches, One Piece Medium Vehicle Trench (26 05 43)</b>		
Note: Rated for 7000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
<b>26 05 43 00-0035 10" Wide Medium Vehicle Trench (26 05 43 00-0034)</b>		
26 05 43 00-0036 LF Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench .....	99.82	
26 05 43 00-0037 LF Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench .....	95.12	
26 05 43 00-0038 LF Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench .....	138.62	
26 05 43 00-0039 LF Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench .....	132.13	
26 05 43 00-0040 EA End Wall, 10" Wide x 15" Deep Medium Vehicle Trench .....	65.08	
26 05 43 00-0041 EA End Wall, 10" Wide x 24" Deep Medium Vehicle Trench .....	75.58	
26 05 43 00-0042 LF Lid, Concrete 10" Wide Medium Vehicle Trench .....	66.56	
26 05 43 00-0043 LF Lid, Galvanized Steel 10" Wide Medium Vehicle Trench .....	298.37	
<b>26 05 43 00-0044 20" Wide Medium Vehicle Trench (26 05 43 00-0034)</b>		
26 05 43 00-0045 LF Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench .....	125.60	
26 05 43 00-0046 LF Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench .....	117.33	
26 05 43 00-0047 LF Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench .....	169.27	
26 05 43 00-0048 LF Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench .....	161.72	
26 05 43 00-0049 EA End Wall, 20" Wide x 15" Deep Medium Vehicle Trench .....	80.37	
26 05 43 00-0050 EA End Wall, 20" Wide x 24" Deep Medium Vehicle Trench .....	117.30	
26 05 43 00-0051 LF Lid, Concrete 20" Wide Medium Vehicle Trench .....	83.22	
26 05 43 00-0052 LF Lid, Galvanized Steel 20" Wide Medium Vehicle Trench .....	395.71	
<b>26 05 43 00-0053 30" Wide Medium Vehicle Trench (26 05 43 00-0034)</b>		
26 05 43 00-0054 LF Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench .....	125.78	
26 05 43 00-0055 LF Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench .....	151.27	
26 05 43 00-0056 LF Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench .....	198.27	
26 05 43 00-0057 LF Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench .....	189.67	
26 05 43 00-0058 EA End Wall, 30" Wide x 15" Deep Medium Vehicle Trench .....	114.61	
26 05 43 00-0059 EA End Wall, 30" Wide x 24" Deep Medium Vehicle Trench .....	157.68	
26 05 43 00-0060 LF Lid, Concrete 30" Wide Medium Vehicle Trench .....	104.20	
26 05 43 00-0061 LF Lid, Galvanized Steel 30" Wide Medium Vehicle Trench .....	494.03	
<b>26 05 43 00-0062 40" Wide Medium Vehicle Trench (26 05 43 00-0034)</b>		
26 05 43 00-0063 LF Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench .....	188.04	
26 05 43 00-0064 LF Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench .....	180.22	
26 05 43 00-0065 LF Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench .....	230.21	
26 05 43 00-0066 LF Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench .....	220.63	
26 05 43 00-0067 EA End Wall, 40" Wide x 15" Deep Medium Vehicle Trench .....	146.71	
26 05 43 00-0068 EA End Wall, 40" Wide x 24" Deep Medium Vehicle Trench .....	201.58	
26 05 43 00-0069 LF Lid, Concrete 40" Wide Medium Vehicle Trench .....	122.63	
26 05 43 00-0070 LF Lid, Galvanized Steel 40" Wide Medium Vehicle Trench .....	671.75	
<b>26 05 43 00-0071 Precast Concrete Trenches, One Piece H20 Road Crossing Trench (26 05 43)</b>		
Note: H20 Rated for 32000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
<b>26 05 43 00-0072 10" Wide H20 Road Crossing Trench (26 05 43 00-0071)</b>		
26 05 43 00-0073 LF Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench .....	217.11	
26 05 43 00-0074 LF Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench .....	206.57	
26 05 43 00-0075 LF Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench .....	271.10	
26 05 43 00-0076 LF Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench .....	257.80	
26 05 43 00-0077 LF Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench .....	208.43	
26 05 43 00-0078 LF Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench .....	198.39	
26 05 43 00-0079 LF Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench .....	262.41	
26 05 43 00-0080 LF Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench .....	249.66	
26 05 43 00-0081 EA End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench .....	143.25	
26 05 43 00-0082 EA End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench .....	193.89	
26 05 43 00-0083 EA End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench .....	129.48	
26 05 43 00-0084 EA End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench .....	179.81	
26 05 43 00-0085 LF Lid, Concrete 10" Wide Road Crossing Trench .....	100.01	
26 05 43 00-0086 LF Lid, Galvanized Steel 10" Wide Road Crossing Trench .....	323.82	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 05 43 00-0087</b>	<b>20" Wide H20 Road Crossing Trench</b> <small>(26 05 43 00-0071)</small>			
26 05 43 00-0088	LF Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench .....		229.86	
26 05 43 00-0089	LF Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench .....		219.04	
26 05 43 00-0090	LF Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench .....		303.93	
26 05 43 00-0091	LF Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench .....		289.46	
26 05 43 00-0092	LF Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench .....		229.86	
26 05 43 00-0093	LF Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench .....		219.04	
26 05 43 00-0094	LF Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench .....		295.24	
26 05 43 00-0095	LF Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench .....		281.32	
26 05 43 00-0096	EA End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench .....		204.67	
26 05 43 00-0097	EA End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench .....		278.44	
26 05 43 00-0098	EA End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench .....		184.60	
26 05 43 00-0099	EA End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench .....		258.37	
26 05 43 00-0100	LF Lid, Concrete 20" Wide Road Crossing Trench .....		111.44	
26 05 43 00-0101	LF Lid, Galvanized Steel 20" Wide Road Crossing Trench .....		480.48	

<b>26 05 43 00-0102</b>	<b>30" Wide H20 Road Crossing Trench</b> <small>(26 05 43 00-0071)</small>			
26 05 43 00-0103	LF Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench .....		270.98	
26 05 43 00-0104	LF Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench .....		258.62	
26 05 43 00-0105	LF Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench .....		335.09	
26 05 43 00-0106	LF Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench .....		319.72	
26 05 43 00-0107	LF Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench .....		262.30	
26 05 43 00-0108	LF Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench .....		250.44	
26 05 43 00-0109	LF Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench .....		326.40	
26 05 43 00-0110	LF Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench .....		311.28	
26 05 43 00-0111	EA End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench .....		272.75	
26 05 43 00-0112	EA End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench .....		361.35	
26 05 43 00-0113	EA End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench .....		246.39	
26 05 43 00-0114	EA End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench .....		335.00	
26 05 43 00-0115	LF Lid, Concrete 30" Wide Road Crossing Trench .....		141.10	
26 05 43 00-0116	LF Lid, Galvanized Steel 30" Wide Road Crossing Trench .....		602.54	

<b>26 05 43 00-0117</b>	<b>40" Wide H20 Road Crossing Trench</b> <small>(26 05 43 00-0071)</small>			
26 05 43 00-0118	LF Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench .....		298.80	
26 05 43 00-0119	LF Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench .....		285.50	
26 05 43 00-0120	LF Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench .....		367.90	
26 05 43 00-0121	LF Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench .....		351.22	
26 05 43 00-0122	LF Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench .....		290.11	
26 05 43 00-0123	LF Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench .....		277.36	
26 05 43 00-0124	LF Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench .....		359.21	
26 05 43 00-0125	LF Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench .....		343.04	
26 05 43 00-0126	EA End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench .....		338.40	
26 05 43 00-0127	EA End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench .....		448.08	
26 05 43 00-0128	EA End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench .....		306.05	
26 05 43 00-0129	EA End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench .....		415.73	
26 05 43 00-0130	LF Lid, Concrete 40" Wide Road Crossing Trench .....		170.40	
26 05 43 00-0131	LF Lid, Galvanized Steel 40" Wide Road Crossing Trench .....		819.41	

**26 05 43 00-0132 Duct Bank** (26 05 43)  
 Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.

<b>26 05 43 00-0133</b>	<b>Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank</b> <small>(26 05 43 00-0132)</small>			
Note: Includes appropriate spacers and fittings.				
26 05 43 00-0134	LF 2 At 2", Rigid Galvanized Conduit Duct Bank .....		38.20	
26 05 43 00-0135	LF 4 At 2", Rigid Galvanized Conduit Duct Bank .....		76.43	
26 05 43 00-0136	LF 2 At 3", Rigid Galvanized Conduit Duct Bank .....		79.73	
26 05 43 00-0137	LF 4 At 3", Rigid Galvanized Conduit Duct Bank .....		159.97	
26 05 43 00-0138	LF 2 At 4", Rigid Galvanized Conduit Duct Bank .....		117.59	
26 05 43 00-0139	LF 4 At 4", Rigid Galvanized Conduit Duct Bank .....		236.14	
26 05 43 00-0140	LF 6 At 4", Rigid Galvanized Conduit Duct Bank .....		354.25	
26 05 43 00-0141	LF 2 At 5", Rigid Galvanized Conduit Duct Bank .....		226.96	
26 05 43 00-0142	LF 4 At 5", Rigid Galvanized Conduit Duct Bank .....		452.94	
26 05 43 00-0143	LF 6 At 5", Rigid Galvanized Conduit Duct Bank .....		694.13	
26 05 43 00-0144	LF 2 At 6", Rigid Galvanized Conduit Duct Bank .....		321.89	
26 05 43 00-0145	LF 4 At 6", Rigid Galvanized Conduit Duct Bank .....		646.25	
26 05 43 00-0146	LF 6 At 6", Rigid Galvanized Conduit Duct Bank .....		963.61	

<b>26 05 43 00-0147</b>	<b>Polyvinyl Chloride (PVC), Type EB Duct Bank System</b> <small>(26 05 43 00-0132)</small>			
Note: Includes appropriate spacers and fittings.				
26 05 43 00-0148	LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank .....		6.73	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 43 Underground Ducts and Raceways for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 43 00-0149	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	14.80	
26 05 43 00-0150	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	28.39	
26 05 43 00-0151	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	8.91	
26 05 43 00-0152	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	17.80	
26 05 43 00-0153	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	36.15	
26 05 43 00-0154	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	11.92	
26 05 43 00-0155	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	23.85	
26 05 43 00-0156	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	47.74	
26 05 43 00-0157	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	71.58	
26 05 43 00-0158	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	15.05	
26 05 43 00-0159	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	30.09	
26 05 43 00-0160	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	58.25	
26 05 43 00-0161	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	82.59	
26 05 43 00-0162	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	26.74	
26 05 43 00-0163	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	40.75	
26 05 43 00-0164	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	81.70	
26 05 43 00-0165	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	132.07	

**26 05 43 00-0166 Polyvinyl Chloride (PVC), Type DB Duct Bank System** (26 05 43 00-0132)

Note: Includes appropriate spacers and fittings.

26 05 43 00-0167	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	7.48	
26 05 43 00-0168	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	16.35	
26 05 43 00-0169	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	31.30	
26 05 43 00-0170	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	9.25	
26 05 43 00-0171	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	18.49	
26 05 43 00-0172	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	36.86	
26 05 43 00-0173	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	12.20	
26 05 43 00-0174	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	24.42	
26 05 43 00-0175	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	48.87	
26 05 43 00-0176	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	73.29	
26 05 43 00-0177	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	15.48	
26 05 43 00-0178	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	30.94	
26 05 43 00-0179	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	59.96	
26 05 43 00-0180	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	85.16	
26 05 43 00-0181	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	27.34	
26 05 43 00-0182	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	41.98	
26 05 43 00-0183	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	84.16	
26 05 43 00-0184	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	135.77	

**26 05 43 00-0185 Male Or Female Adapters** (26 05 43 00-0132)

26 05 43 00-0186	EA	2" Adapter.....	38.13	
26 05 43 00-0187	EA	3" Adapter.....	57.94	
26 05 43 00-0188	EA	4" Adapter.....	75.92	
26 05 43 00-0189	EA	5" Adapter.....	125.39	
26 05 43 00-0190	EA	6" Adapter.....	152.99	

**26 05 46 Utility Poles for Electrical Systems** (26 05)**26 05 46 00-0001 Wood Poles** (26 05 46)**26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention** (26 05 46 00-0001)

Note: Machine dig and set.

26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set.....	899.66	288.80
		<i>For Class 4 Pole, Deduct</i>	-32.20	
		<i>For Class 2 Pole, Add</i>	64.39	
		<i>For Class 1 Pole, Add</i>	112.69	
		<i>For Class 5 Pole, Deduct</i>	-96.59	
		<i>For Class 6 Pole, Deduct</i>	-128.79	
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,078.02	320.42
		<i>For Class 4 Pole, Deduct</i>	-43.71	
		<i>For Class 2 Pole, Add</i>	87.43	
		<i>For Class 1 Pole, Add</i>	153.00	
		<i>For Class 5 Pole, Deduct</i>	-131.14	
		<i>For Class 6 Pole, Deduct</i>	-174.86	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,397.13	423.78
		<i>For Class 4 Pole, Deduct</i>	-54.97	
		<i>For Class 2 Pole, Add</i>	109.94	
		<i>For Class 1 Pole, Add</i>	192.40	
		<i>For Class 5 Pole, Deduct</i>	-164.91	
		<i>For Class 6 Pole, Deduct</i>	-219.88	
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,599.68	466.11
		<i>For Class 4 Pole, Deduct</i>	-66.75	
		<i>For Class 2 Pole, Add</i>	133.50	
		<i>For Class 1 Pole, Add</i>	233.63	
		<i>For Class 5 Pole, Deduct</i>	-200.25	
		<i>For Class 6 Pole, Deduct</i>	-267.00	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0007 EA 45' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,828.90	519.14
<i>For Class 4 Pole, Deduct</i>	-79.05	
<i>For Class 2 Pole, Add</i>	158.10	
<i>For Class 1 Pole, Add</i>	276.68	
<i>For Class 5 Pole, Deduct</i>	-237.16	
<i>For Class 6 Pole, Deduct</i>	-316.21	
26 05 46 00-0008 EA 50' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,081.40	582.63
<i>For Class 4 Pole, Deduct</i>	-91.62	
<i>For Class 2 Pole, Add</i>	183.23	
<i>For Class 1 Pole, Add</i>	320.66	
<i>For Class 5 Pole, Deduct</i>	-274.85	
<i>For Class 6 Pole, Deduct</i>	-366.47	
26 05 46 00-0009 EA 55' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,328.80	640.84
<i>For Class 4 Pole, Deduct</i>	-104.71	
<i>For Class 2 Pole, Add</i>	209.41	
<i>For Class 1 Pole, Add</i>	366.47	
<i>For Class 5 Pole, Deduct</i>	-314.12	
<i>For Class 6 Pole, Deduct</i>	-418.82	
26 05 46 00-0010 EA 60' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,603.12	704.70
<i>For Class 4 Pole, Deduct</i>	-119.36	
<i>For Class 2 Pole, Add</i>	238.73	
<i>For Class 1 Pole, Add</i>	417.77	
<i>For Class 5 Pole, Deduct</i>	-358.09	
<i>For Class 6 Pole, Deduct</i>	-477.46	
26 05 46 00-0011 EA 65' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,286.53	768.06
<i>For Class 4 Pole, Deduct</i>	-275.04	
<i>For Class 2 Pole, Add</i>	550.07	
<i>For Class 1 Pole, Add</i>	962.62	
<i>For Class 5 Pole, Deduct</i>	-825.11	
<i>For Class 6 Pole, Deduct</i>	-1,100.14	
26 05 46 00-0012 EA 70' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,708.89	817.03
<i>For Class 4 Pole, Deduct</i>	-307.48	
<i>For Class 2 Pole, Add</i>	614.96	
<i>For Class 1 Pole, Add</i>	1,076.18	
<i>For Class 5 Pole, Deduct</i>	-922.44	
<i>For Class 6 Pole, Deduct</i>	-1,229.92	
26 05 46 00-0013 EA 75' Treated Wood Pole, Class 3, Machine Dig And Set.....	5,177.76	872.66
<i>For Class 4 Pole, Deduct</i>	-343.24	
<i>For Class 2 Pole, Add</i>	686.48	
<i>For Class 1 Pole, Add</i>	1,201.34	
<i>For Class 5 Pole, Deduct</i>	-1,029.72	
<i>For Class 6 Pole, Deduct</i>	-1,372.96	
<b>26 05 46 00-0014 Removal And Relocation Of Wood Poles With Cross Arm</b> <small>(26 05 46 00-0001)</small>		
26 05 46 00-0015 LF Removal And Relocation Of Up To 75' Wood Pole With Cross Arms.....	24.61	
<b>26 05 46 00-0016 Crossarms</b> <small>(26 05 46)</small>		
<small>Note: Includes hardware and braces.</small>		
<b>26 05 46 00-0017 Wood Single Arm Crossarms</b> <small>(26 05 46 00-0016)</small>		
26 05 46 00-0018 EA 3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces.....	212.83	86.13
26 05 46 00-0019 EA 3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	257.08	86.13
26 05 46 00-0020 EA 3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	269.79	110.74
<b>26 05 46 00-0021 Wood Double Arm Crossarms</b> <small>(26 05 46 00-0016)</small>		
26 05 46 00-0022 EA 3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces.....	547.45	239.94
26 05 46 00-0023 EA 3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	583.10	239.94
26 05 46 00-0024 EA 3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	606.81	239.94
<b>26 05 46 00-0025 Fiberglass Crossarms</b> <small>(26 05 46 00-0016)</small>		
<small>Note: Includes hardware.</small>		
<b>26 05 46 00-0026 Single Phase, 15 Degree Angle</b> <small>(26 05 46 00-0025)</small>		
26 05 46 00-0027 EA Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB.....	223.92	
26 05 46 00-0028 EA Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB.....	284.90	51.68
26 05 46 00-0029 EA Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB.....	297.21	55.37
<b>26 05 46 00-0030 Two Phase, 15 Degree Angle</b> <small>(26 05 46 00-0025)</small>		
26 05 46 00-0031 EA Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB.....	355.99	66.45
<b>26 05 46 00-0032 Fiberglass Crossarm Accessories</b> <small>(26 05 46 00-0025)</small>		
26 05 46 00-0033 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor.....	615.61	84.90
26 05 46 00-0034 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor.....	729.19	103.36
26 05 46 00-0035 EA Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded.....	107.06	14.76
26 05 46 00-0036 EA Three Phase Equipment Mounting Bracket.....	535.31	73.83
26 05 46 00-0037 EA Fiberglass Bull Horn Crossarm.....	419.62	123.05

**26 Electrical****26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 46 00-0038	<b>Insulator Support System</b> (26 05 46 00-0016)			
26 05 46 00-0039	<b>Epoxy Construction Units, In Place Mounting</b> (26 05 46 00-0038)			
	Note: Includes hardware.			
26 05 46 00-0040	EA	1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting .....	125.98	
26 05 46 00-0041	EA	1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting .....	103.47	
26 05 46 00-0042	EA	Deadend Arms, In Place Mounting .....	303.90	
26 05 46 00-0043	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting .....	202.23	
26 05 46 00-0044	<b>Epoxy Construction Units, Grounding Mounting</b> (26 05 46 00-0038)			
	Note: Includes hardware.			
26 05 46 00-0045	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting .....	90.38	
26 05 46 00-0046	EA	1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting .....	79.73	
26 05 46 00-0047	EA	Deadend Arms, Grounding Mounting.....	280.16	
26 05 46 00-0048	<b>Guying</b> (26 05 46)			
	Note: Includes cable, anchor and rod assembly, guy marker.			
26 05 46 00-0049	<b>Down Guy</b> (26 05 46 00-0048)			
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole .....	874.80	344.54
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole .....	892.30	344.54
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole .....	928.29	344.54
26 05 46 00-0053	EA	Guy Guard, Plastic.....	38.41	
26 05 46 00-0054	<b>Head Guy, 50' Spans</b> (26 05 46 00-0048)			
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole .....	1,249.62	529.11
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole .....	1,249.62	529.11
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole .....	1,249.62	529.11
26 05 46 00-0058	<b>Guy Strain Insulators Additional Insulators</b> (26 05 46 00-0048)			
	Note: As required at same material cost and labor.			
26 05 46 00-0059	EA	Guy Strain Insulator .....	523.72	258.40
26 05 46 00-0060	<b>Insulators</b> (26 05 46)			
26 05 46 00-0061	<b>Pin Insulator With Pin</b> (26 05 46 00-0060)			
26 05 46 00-0062	EA	5 KV Class 55-3, Pin Insulator With Pin.....	169.37	73.83
26 05 46 00-0063	EA	15 KV Class 55-5, Pin Insulator With Pin.....	176.65	73.83
26 05 46 00-0064	<b>Suspension Insulator</b> (26 05 46 00-0060)			
	Note: Includes clevis and strain clamp.			
26 05 46 00-0065	EA	5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp.....	218.74	98.44
26 05 46 00-0066	EA	15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp .....	238.52	98.44
26 05 46 00-0067	EA	25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp .....	341.88	123.05
26 05 46 00-0068	EA	50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp .....	551.63	196.88
26 05 46 00-0069	<b>Spool Insulator With Clevis</b> (26 05 46 00-0060)			
26 05 46 00-0070	EA	5 KV Class 53-5, Spool Insulator With Clevis .....	72.83	30.76
26 05 46 00-0071	EA	15 KV Class, Spool Insulator With Clevis .....	235.95	110.74
26 05 46 00-0072	EA	25 KV Class, Spool Insulator With Clevis .....	305.33	110.74
26 05 46 00-0073	<b>Secondary Rack</b> (26 05 46 00-0060)			
26 05 46 00-0074	EA	1 Spool Secondary Rack .....	144.26	61.52
26 05 46 00-0075	EA	2 Spool Secondary Rack .....	150.66	78.50
26 05 46 00-0076	EA	3 Spool Secondary Rack .....	225.25	104.59
26 05 46 00-0077	EA	4 Spool Secondary Rack .....	252.22	104.59
26 05 46 00-0078	<b>Outdoor Load Break Switches</b> (26 05 46)			
	Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.			
26 05 46 00-0079	<b>7.2 KV Outdoor Load Break Switches</b> (26 05 46 00-0078)			
26 05 46 00-0080	EA	600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	4,269.76	418.36
26 05 46 00-0081	EA	1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	8,360.12	418.36
26 05 46 00-0082	EA	1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	12,451.21	707.53
26 05 46 00-0083	EA	2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	12,705.64	707.53
26 05 46 00-0084	<b>14.4 KV Outdoor Load Break Switches</b> (26 05 46 00-0078)			
26 05 46 00-0085	EA	600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	5,215.30	418.36
26 05 46 00-0086	EA	1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	9,877.59	418.36
26 05 46 00-0087	EA	1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	12,451.21	707.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0088 EA 2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	12,705.64	707.53
<b>26 05 46 00-0089 23 KV Outdoor Load Break Switches</b> <small>(26 05 46 00-0078)</small>		
26 05 46 00-0090 EA 600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	5,751.44	486.04
26 05 46 00-0091 EA 1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	10,808.87	486.04
26 05 46 00-0092 EA 1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	13,012.87	836.73
26 05 46 00-0093 EA 2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	13,275.64	836.73
<b>26 05 46 00-0094 Square Distribution Poles</b> <small>(26 05 46)</small>		
<b>26 05 46 00-0095 Square Steel Tapered Shaft Distribution Poles</b> <small>(26 05 46 00-0094)</small>		
26 05 46 00-0096 EA 20', Steel Taped Shaft Distribution Pole .....	3,509.28	522.95
26 05 46 00-0097 EA 25', Steel Taped Shaft Distribution Pole .....	3,923.12	553.72
26 05 46 00-0098 EA 30', Steel Taped Shaft Distribution Pole .....	4,252.53	615.24
26 05 46 00-0099 EA 35', Steel Taped Shaft Distribution Pole .....	4,706.97	676.76
26 05 46 00-0100 EA 40', Steel Taped Shaft Distribution Pole .....	6,433.73	738.29
<b>26 05 46 00-0101 Square Prestressed Concrete Distribution Poles</b> <small>(26 05 46 00-0094)</small>		
26 05 46 00-0102 EA 30', Prestressed Concrete Square Pole For Distribution .....	4,544.96	898.90
26 05 46 00-0103 EA 35', Prestressed Concrete Square Pole For Distribution .....	5,137.73	985.89
26 05 46 00-0104 EA 40', Prestressed Concrete Square Pole For Distribution .....	6,031.44	1,101.88
26 05 46 00-0105 EA 45', Prestressed Concrete Square Pole For Distribution .....	6,796.91	1,217.86
26 05 46 00-0106 EA 50', Prestressed Concrete Square Pole For Distribution .....	5,130.44	1,478.84
26 05 46 00-0107 EA 55', Prestressed Concrete Square Pole For Distribution .....	9,587.25	1,739.81
26 05 46 00-0108 EA 60', Prestressed Concrete Square Pole For Distribution .....	11,315.04	1,971.78
26 05 46 00-0109 EA 65', Prestressed Concrete Square Pole For Distribution .....	13,655.62	2,435.72
26 05 46 00-0110 EA 70', Prestressed Concrete Square Pole For Distribution .....	15,298.05	2,667.70
<b>26 05 46 00-0111 Aluminum Tapered Poles</b> <small>(26 05 46)</small>		
<b>26 05 46 00-0112 Aluminum Tapered Round Seamless Shaft Poles</b> <small>(26 05 46 00-0111)</small>		
26 05 46 00-0113 EA 20', Aluminum Tapered Round Seamless Shaft Pole For Distribution .....	2,588.24	461.43
26 05 46 00-0114 EA 25', Aluminum Tapered Round Seamless Shaft Pole For Distribution .....	3,569.08	492.19
26 05 46 00-0115 EA 30', Aluminum Tapered Round Seamless Shaft Pole For Distribution .....	4,099.71	553.72
26 05 46 00-0116 EA 35', Aluminum Tapered Round Seamless Shaft Pole For Distribution .....	4,845.71	615.24
26 05 46 00-0117 EA 40', Aluminum Tapered Round Seamless Shaft Pole For Distribution .....	7,229.32	676.76
<b>26 05 46 00-0118 Steel Service Poles Distribution</b> <small>(26 05 46)</small>		
Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
<b>26 05 46 00-0119 Round Tapered Pole</b> <small>(26 05 46 00-0118)</small>		
26 05 46 00-0120 EA 40', Galvanized Steel Tapered Round Pole For Distribution .....	3,677.04	738.29
26 05 46 00-0121 EA 45', Galvanized Steel Tapered Round Pole For Distribution .....	4,243.39	799.81
26 05 46 00-0122 EA 50', Galvanized Steel Tapered Round Pole For Distribution .....	4,525.68	861.34
26 05 46 00-0123 EA 55', Galvanized Steel Tapered Round Pole For Distribution .....	5,315.33	984.38
26 05 46 00-0124 EA 60', Galvanized Steel Tapered Round Pole For Distribution .....	6,519.79	1,107.43
26 05 46 00-0125 EA 65', Galvanized Steel Tapered Round Pole For Distribution .....	7,661.98	1,362.84
26 05 46 00-0126 EA 70', Galvanized Steel Tapered Round Pole For Distribution .....	8,543.10	1,546.10
26 05 46 00-0127 EA 75', Galvanized Steel Tapered Round Pole For Distribution .....	9,451.88	1,739.81
26 05 46 00-0128 EA 80', Galvanized Steel Tapered Round Pole For Distribution .....	10,623.52	1,971.78
26 05 46 00-0129 EA 85', Galvanized Steel Tapered Round Pole For Distribution .....	11,346.58	2,087.76
26 05 46 00-0130 EA 90', Galvanized Steel Tapered Round Pole For Distribution .....	12,339.92	2,319.74
26 05 46 00-0131 EA 95', Galvanized Steel Tapered Round Pole For Distribution .....	13,579.61	2,609.71
26 05 46 00-0132 EA 100', Galvanized Steel Tapered Round Pole For Distribution .....	15,035.84	2,957.67
<b>26 05 46 00-0133 12 Sided Tapered</b> <small>(26 05 46 00-0118)</small>		
26 05 46 00-0134 EA 40', Galvanized Steel Tapered 12 Sided Pole For Distribution .....	6,035.48	738.29
26 05 46 00-0135 EA 45', Galvanized Steel Tapered 12 Sided Pole For Distribution .....	6,652.93	799.81
26 05 46 00-0136 EA 50', Galvanized Steel Tapered 12 Sided Pole For Distribution .....	7,355.93	861.34
26 05 46 00-0137 EA 55', Galvanized Steel Tapered 12 Sided Pole For Distribution .....	8,100.91	984.38
26 05 46 00-0138 EA 60', Galvanized Steel Tapered 12 Sided Pole For Distribution .....	10,669.51	1,107.43
26 05 46 00-0139 EA 65', Galvanized Steel Tapered 12 Sided Pole For Distribution .....	11,837.22	1,362.84
26 05 46 00-0140 EA 70', Galvanized Steel Tapered 12 Sided Pole For Distribution .....	13,699.96	1,546.10
26 05 46 00-0141 EA 75', Galvanized Steel Tapered 12 Sided Pole For Distribution .....	14,771.29	1,739.81
26 05 46 00-0142 EA 80', Galvanized Steel Tapered 12 Sided Pole For Distribution .....	15,936.25	1,971.78
26 05 46 00-0143 EA 85', Galvanized Steel Tapered 12 Sided Pole For Distribution .....	16,885.95	2,087.76
26 05 46 00-0144 EA 90', Galvanized Steel Tapered 12 Sided Pole For Distribution .....	19,150.94	2,319.74
26 05 46 00-0145 EA 95', Galvanized Steel Tapered 12 Sided Pole For Distribution .....	20,371.54	2,609.71
26 05 46 00-0146 EA 100', Galvanized Steel Tapered 12 Sided Pole For Distribution .....	21,872.37	2,957.67
26 05 46 00-0147 EA 105', Galvanized Steel Tapered 12 Sided Pole For Distribution .....	23,469.22	3,305.63
<b>26 05 46 00-0148 Standard Options For Round, 12 Sided and Octagonal Tapered Poles</b> <small>(26 05 46 00-0118)</small>		
26 05 46 00-0149 EA Ladder Clips .....	20.11	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0150	EA		Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	150.87	
26 05 46 00-0151	EA		Ground Sleeve-2' At Ground Line.....	151.75	
<b>26 05 46 00-0152</b>			<b>Arms With Baseplates And Endplates (26 05 46 00-0118)</b>		
26 05 46 00-0153	EA		4' Arm With Baseplate And Endplate.....	755.06	123.05
26 05 46 00-0154	EA		5' Arm With Baseplate And Endplate.....	824.07	123.05
26 05 46 00-0155	EA		6' Arm With Baseplate And Endplate.....	1,017.10	184.57
26 05 46 00-0156	EA		7' Arm With Baseplate And Endplate.....	1,077.46	184.57
26 05 46 00-0157	EA		8' Arm With Baseplate And Endplate.....	1,268.59	246.10
26 05 46 00-0158	EA		9' Arm With Baseplate And Endplate.....	1,337.56	246.10
26 05 46 00-0159	EA		10' Arm With Baseplate And Endplate.....	1,779.84	307.62
26 05 46 00-0160	EA		11' Arm With Baseplate And Endplate.....	1,857.27	307.62
<b>26 05 46 00-0161</b>			<b>Standard Vangs Load Bearing At Any Angle (26 05 46 00-0118)</b>		
26 05 46 00-0162	EA		15,000 LB Standard Vangs Load Bearing At Any Angle.....	303.02	123.05
26 05 46 00-0163	EA		30,000 LB Standard Vangs Load Bearing At Any Angle.....	345.29	123.05
26 05 46 00-0164	EA		45,000 LB Standard Vangs Load Bearing At Any Angle.....	403.11	123.05
<b>26 05 46 00-0165</b>			<b>Armless Construction Brackets (26 05 46 00-0118)</b>		
<b>26 05 46 00-0166</b>			<b>Verticals Insulator And Equipment Bracket (26 05 46 00-0165)</b>		
26 05 46 00-0167	EA		7" 1 Position Vertical Insulation And Equipment Bracket.....	309.91	123.05
26 05 46 00-0168	EA		12" 1 Position Vertical Insulation And Equipment Bracket.....	336.60	123.05
26 05 46 00-0169	EA		12" 3 Position Vertical Insulation And Equipment Bracket.....	379.98	123.05
26 05 46 00-0170	EA		18" 1 Position Vertical Insulation And Equipment Bracket.....	531.23	184.57
26 05 46 00-0171	EA		18" 3 Position Vertical Insulation And Equipment Bracket.....	556.56	184.57
<b>26 05 46 00-0172</b>			<b>Horizontal And Multiple Insulator Brackets (26 05 46 00-0165)</b>		
26 05 46 00-0173	EA		Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets.....	289.12	123.05
26 05 46 00-0174	EA		Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets.....	345.22	123.05
26 05 46 00-0175	EA		Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets.....	504.06	184.57
26 05 46 00-0176	EA		Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets.....	636.45	184.57
26 05 46 00-0177	EA		Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets.....	814.82	246.10
26 05 46 00-0178	EA		Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets.....	885.09	246.10
<b>26 05 46 00-0179</b>			<b>Pole Top Bracket And Pins (26 05 46 00-0165)</b>		
26 05 46 00-0180	EA		Pole Top Pin - 5".....	297.26	123.05
26 05 46 00-0181	EA		Pole Top Bracket - 5".....	310.88	123.05
<b>26 05 46 00-0182</b>			<b>Angle Pins (26 05 46 00-0165)</b>		
26 05 46 00-0183	EA		Angle Pin - 25 Degree, 6".....	295.42	123.05
26 05 46 00-0184	EA		Angle Pin - 25 Degree, 7 1/4".....	339.66	123.05
<b>26 05 46 00-0185</b>			<b>Static And Neutral Wire Brackets (26 05 46 00-0165)</b>		
26 05 46 00-0186	EA		Neutral Wire Extension Bracket.....	313.51	123.05
26 05 46 00-0187	EA		Static Wire Support Bracket.....	318.34	123.05
<b>26 05 46 00-0188</b>			<b>Cutout, Arrestor And Terminator Brackets (26 05 46 00-0165)</b>		
26 05 46 00-0189	EA		Cutout And Arrestor, With Mounting Bracket.....	276.03	123.05
26 05 46 00-0190	EA		Equipment Mounting T Bracket.....	295.62	123.05
26 05 46 00-0191	EA		15 KV Cutout.....	385.27	
26 05 46 00-0192	EA		9/10 KV Arrestor.....	357.72	123.05
<b>26 05 46 00-0193</b>			<b>Spacer Cable, Conduit Support And Cluster Bracket (26 05 46 00-0165)</b>		
26 05 46 00-0194	EA		Parallel Cable Spacer.....	348.20	123.05
26 05 46 00-0195	EA		Conduit Standoff Support Bracket.....	332.78	123.05
26 05 46 00-0196	EA		Three Transformer Pole Mounted Cluster Bracket.....	867.71	123.05
<b>26 05 46 00-0197</b>			<b>15 KV, 200 Amperes, Solenoid Operated High Voltage Switch (26 05 46 00-0165)</b>		
			Note: Includes pole mounting bracket.		
26 05 46 00-0198	EA		15 KV, 1 Phase, Solenoid Switch With Pole Bracket.....	1,829.26	307.62
<b>26 05 46 00-0199</b>			<b>Octagonal Tapered (26 05 46 00-0118)</b>		
26 05 46 00-0200	EA		40', Galvanized Steel Tapered Octagonal Pole For Distribution.....	6,210.78	738.29
26 05 46 00-0201	EA		45', Galvanized Steel Tapered Octagonal Pole For Distribution.....	6,847.35	799.81
26 05 46 00-0202	EA		50', Galvanized Steel Tapered Octagonal Pole For Distribution.....	7,572.66	861.34
26 05 46 00-0203	EA		55', Galvanized Steel Tapered Octagonal Pole For Distribution.....	8,336.76	1,045.91
26 05 46 00-0204	EA		60', Galvanized Steel Tapered Octagonal Pole For Distribution.....	10,994.61	1,107.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0205 EA 65', Galvanized Steel Tapered Octagonal Pole For Distribution .....	12,187.81	1,362.84
26 05 46 00-0206 EA 70', Galvanized Steel Tapered Octagonal Pole For Distribution .....	14,107.92	1,449.83
26 05 46 00-0207 EA 75', Galvanized Steel Tapered Octagonal Pole For Distribution .....	15,206.34	1,739.81
26 05 46 00-0208 EA 80', Galvanized Steel Tapered Octagonal Pole For Distribution .....	16,396.79	1,855.79
26 05 46 00-0209 EA 85', Galvanized Steel Tapered Octagonal Pole For Distribution .....	17,373.59	2,087.76
26 05 46 00-0210 EA 90', Galvanized Steel Tapered Octagonal Pole For Distribution .....	19,707.11	2,203.75
26 05 46 00-0211 EA 95', Galvanized Steel Tapered Octagonal Pole For Distribution .....	20,956.40	2,609.71
26 05 46 00-0212 EA 100', Galvanized Steel Tapered Octagonal Pole For Distribution .....	22,485.90	2,783.69
26 05 46 00-0213 EA 105', Galvanized Steel Tapered Octagonal Pole For Distribution .....	24,114.63	3,131.65
<b>26 05 46 00-0214 Removal And Relocation Of Steel Service Poles (26 05 46 00-0118)</b>		
26 05 46 00-0215 LF Removal And Relocation Of Steel Service Poles With Arms Up To 60' .....	43.06	
<b>26 05 46 00-0216 Special Steel Bases For Poles (26 05 46 00-0118)</b>		
26 05 46 00-0217 EA Spin-In Steel Base For Poles.....	263.19	
26 05 46 00-0218 EA Series 3, 25' Pole And less.....	292.75	61.52
26 05 46 00-0219 EA Series 4, 40' Pole And less.....	348.91	70.75
26 05 46 00-0220 EA Series 5, 50' Pole And less.....	398.93	76.91
<b>26 05 53 Identification for Electrical Systems (26 05)</b>		
<b>26 05 53 00-0001 Conduit Markers Pressure-Sensitive (26 05 53)</b>		
Note: Stick-on, includes arrow tape.		
26 05 53 00-0002 EA 1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	11.60	
26 05 53 00-0003 EA 3/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.12	
26 05 53 00-0004 EA 1" Outside Diameter Pressure Sensitive Marker Stick-on.....	13.18	
26 05 53 00-0005 EA 1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	13.38	
26 05 53 00-0006 EA 1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	13.59	
26 05 53 00-0007 EA 2" Outside Diameter Pressure Sensitive Marker Stick-on.....	13.91	
26 05 53 00-0008 EA 2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	16.24	
26 05 53 00-0009 EA 3" Outside Diameter Pressure Sensitive Marker Stick-on.....	16.66	
26 05 53 00-0010 EA 3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	16.97	
26 05 53 00-0011 EA 4" Outside Diameter Pressure Sensitive Marker Stick-on.....	17.30	
26 05 53 00-0012 EA 4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	17.95	
26 05 53 00-0013 EA 5" Outside Diameter Pressure Sensitive Marker Stick-on.....	18.65	
26 05 53 00-0014 EA 6" Outside Diameter Pressure Sensitive Marker Stick-on.....	19.26	
26 05 53 00-0015 EA 7" Outside Diameter Pressure Sensitive Marker Stick-on.....	19.88	
26 05 53 00-0016 EA 8" Outside Diameter Pressure Sensitive Marker Stick-on.....	21.78	
26 05 53 00-0017 EA 10" Outside Diameter Pressure Sensitive Marker Stick-on.....	22.92	
<b>26 05 53 00-0018 Labeling Electrical Wires (26 05 53)</b>		
Note: Self-adhesive vinly coated white cloth		
26 05 53 00-0019 EA Labeling Wire.....	3.27	
<b>26 05 53 00-0020 Equipment Labeling (26 05 53)</b>		
26 05 53 00-0021 EA Label Both Ends Of One 4 Pair Cable .....	20.53	
26 05 53 00-0022 EA Label single gang face plate (2 labels required) .....	16.42	
26 05 53 00-0023 EA Label two gang face plate (4 labels required) .....	24.64	
26 05 53 00-0024 EA Label both ends of a Siamese (dual 4 Pair cable) .....	20.53	
<b>26 05 83 Wiring Connections (26 05)</b>		
<b>26 05 83 00-0001 Tape Wrapped Compression Connectors (26 05 83)</b>		
26 05 83 00-0002 EA #6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	14.52	4.69
26 05 83 00-0003 EA #4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	15.98	5.21
26 05 83 00-0004 EA #2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	17.38	5.73
26 05 83 00-0005 EA 1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	20.23	6.26
26 05 83 00-0006 EA 2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	21.76	6.78
26 05 83 00-0007 EA 3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	24.18	7.30
26 05 83 00-0008 EA 4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	25.94	7.82
26 05 83 00-0009 EA 250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	28.29	8.34
26 05 83 00-0010 EA 300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	31.29	9.38
26 05 83 00-0011 EA 350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	32.79	9.91
26 05 83 00-0012 EA 400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	36.70	10.43
26 05 83 00-0013 EA 500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	40.08	10.95
26 05 83 00-0014 EA 750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt .....	44.87	11.99
26 05 83 00-0015 EA 1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	52.18	13.56
<b>26 05 83 00-0016 One Hole Compression Lugs (26 05 83)</b>		
26 05 83 00-0017 EA #22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	18.27	13.56
26 05 83 00-0018 EA #16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	18.43	13.56
26 05 83 00-0019 EA #12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	20.87	14.61
26 05 83 00-0020 EA #8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	26.12	16.17

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 83 Wiring Connections**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0021 EA #6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	36.52	20.86
26 05 83 00-0022 EA #4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	42.57	20.86
26 05 83 00-0023 EA #2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	48.98	20.86
26 05 83 00-0024 EA 1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	60.15	31.29
26 05 83 00-0025 EA 2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	70.33	31.29
26 05 83 00-0026 EA 3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	82.24	31.29
26 05 83 00-0027 EA 4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	99.09	41.73
26 05 83 00-0028 EA 250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	117.48	62.59
26 05 83 00-0029 EA 300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	134.41	62.59
26 05 83 00-0030 EA 350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	144.40	62.59
26 05 83 00-0031 EA 400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	157.44	73.02
26 05 83 00-0032 EA 500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	172.21	73.02
26 05 83 00-0033 EA 750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	187.06	83.44
26 05 83 00-0034 EA 1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	220.86	93.88
<b>26 05 83 00-0035 Two Hole Compression Lugs (26 05 83)</b>		
26 05 83 00-0036 EA #8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	37.46	17.74
26 05 83 00-0037 EA #6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	40.30	18.88
26 05 83 00-0038 EA #4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	42.39	18.88
26 05 83 00-0039 EA #2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	48.78	21.70
26 05 83 00-0040 EA 1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	59.93	27.12
26 05 83 00-0041 EA 2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	70.11	32.23
26 05 83 00-0042 EA 3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	81.99	37.76
26 05 83 00-0043 EA 4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	98.80	45.80
26 05 83 00-0044 EA 250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	117.14	54.35
26 05 83 00-0045 EA 300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	134.02	62.07
26 05 83 00-0046 EA 350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	144.00	66.86
26 05 83 00-0047 EA 400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	156.96	72.40
26 05 83 00-0048 EA 500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	171.67	79.06
26 05 83 00-0049 EA 750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	187.85	85.74
26 05 83 00-0050 EA 1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	233.35	104.31
<b>26 05 83 00-0051 Tape Wrapped Split Bolt Connectors (26 05 83)</b>		
26 05 83 00-0052 EA #8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	55.44	41.73
26 05 83 00-0053 EA #6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	60.96	44.86
26 05 83 00-0054 EA #4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	69.55	46.94
26 05 83 00-0055 EA #2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	80.98	52.15
26 05 83 00-0056 EA 1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	95.87	57.37
26 05 83 00-0057 EA 2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	108.29	62.59
26 05 83 00-0058 EA 3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	135.66	67.80
26 05 83 00-0059 EA 4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	145.59	73.02
26 05 83 00-0060 EA 250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	153.54	78.23
26 05 83 00-0061 EA 300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	176.38	86.06
26 05 83 00-0062 EA 350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	199.20	125.17
26 05 83 00-0063 EA 400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	218.63	104.31
26 05 83 00-0064 EA 500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	238.04	140.82
26 05 83 00-0065 EA 750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	266.25	146.04
26 05 83 00-0066 EA 1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	303.76	156.46
<b>26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone (26 05 83)</b>		
26 05 83 00-0068 EA #8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	94.61	41.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.90	
26 05 83 00-0069 EA #4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	104.92	41.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.83	
26 05 83 00-0070 EA 1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	144.98	62.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.77	
26 05 83 00-0071 EA 4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	164.12	62.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.12	
26 05 83 00-0072 EA 300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	196.81	78.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.42	
26 05 83 00-0073 EA 500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	275.84	104.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	65.20	
<b>26 05 83 00-0074 Terminal Blocks (26 05 83)</b>		
Note: Labor excludes wire termination.		
26 05 83 00-0075 EA Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt.....	949.19	385.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	231.80	
26 05 83 00-0076 EA #22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block.....	264.57	52.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.66	
26 05 83 00-0077 EA #8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block.....	294.14	52.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.00	
<b>26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection (26 05 83)</b>		
26 05 83 00-0079 EA #8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	37.45	18.88
26 05 83 00-0080 EA #6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	40.31	18.88
26 05 83 00-0081 EA #4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	42.39	18.88



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0082	EA			#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	48.78	21.70
26 05 83 00-0083	EA			1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	59.93	27.12
26 05 83 00-0084	EA			2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	70.11	32.23
26 05 83 00-0085	EA			3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	81.99	37.76
26 05 83 00-0086	EA			4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	98.80	45.80
26 05 83 00-0087	EA			250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	117.14	54.35
26 05 83 00-0088	EA			300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	134.02	62.07
26 05 83 00-0089	EA			350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	144.00	66.86
26 05 83 00-0090	EA			400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	156.96	72.40
26 05 83 00-0091	EA			500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	171.67	79.06
26 05 83 00-0092	EA			750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	172.16	79.06
26 05 83 00-0093	EA			#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	37.45	18.88
26 05 83 00-0094	EA			#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	40.31	18.88
26 05 83 00-0095	EA			#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	42.39	18.88
26 05 83 00-0096	EA			#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	48.78	21.70
26 05 83 00-0097	EA			1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	59.93	27.12
26 05 83 00-0098	EA			2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	70.11	32.23
26 05 83 00-0099	EA			3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	81.99	37.76
26 05 83 00-0100	EA			4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	98.80	45.80
26 05 83 00-0101	EA			250 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	117.14	54.35
26 05 83 00-0102	EA			300 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	134.02	62.07
26 05 83 00-0103	EA			350 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	144.00	66.86
26 05 83 00-0104	EA			400 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	156.96	72.40
26 05 83 00-0105	EA			500 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	171.67	79.06
26 05 83 00-0106	EA			750 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	172.16	79.06
26 05 83 00-0107	<b>Copper Mechanical Lugs</b> <small>(26 05 83)</small>					
26 05 83 00-0108	EA			#8 Copper Mechanical Lugs.....	29.28	13.04
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82	
26 05 83 00-0109	EA			#6 Copper Mechanical Lugs .....	35.15	15.75
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.45	
26 05 83 00-0110	EA			#4 Copper Mechanical Lugs .....	40.64	18.26
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.95	
26 05 83 00-0111	EA			#2 Copper Mechanical Lugs .....	53.06	23.26
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.97	
26 05 83 00-0112	EA			1/0 Copper Mechanical Lugs.....	71.45	31.29
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.78	
26 05 83 00-0113	EA			2/0 Copper Mechanical Lugs.....	84.99	36.30
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.81	
26 05 83 00-0114	EA			3/0 Copper Mechanical Lugs.....	99.23	41.73
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.04	
26 05 83 00-0115	EA			4/0 Copper Mechanical Lugs.....	112.82	46.84
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.07	
26 05 83 00-0116	EA			250 MCM Copper Mechanical Lugs.....	128.92	52.15
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.29	
26 05 83 00-0117	EA			300 MCM Copper Mechanical Lugs.....	144.76	57.37
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.43	
26 05 83 00-0118	EA			350 MCM Copper Mechanical Lugs.....	160.54	62.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.55	
26 05 83 00-0119	EA			400 MCM Copper Mechanical Lugs.....	176.21	67.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.65	
26 05 83 00-0120	EA			500 MCM Copper Mechanical Lugs.....	192.13	73.02
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.81	
26 05 83 00-0121	EA			750 MCM Copper Mechanical Lugs.....	217.84	83.13
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.91	
26 05 83 00-0122	EA			1,000 MCM Copper Mechanical Lugs.....	246.57	93.88
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.33	
26 05 83 00-0123	<b>Gel Connectors</b> <small>(26 05 83)</small>					
26 05 83 00-0124	EA			3 Port, #14 to 2/0, Push On Gel Stub Splice Kit.....	61.63	
				Note: Kit contains connector, gel filled cap and cap clamp.		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.14	
26 05 83 00-0125	EA			4 Port, #14 to 2, Gel Tap Splice Kit.....	59.23	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.77	
26 05 83 00-0126	<b>Other Connections</b> <small>(26 05 83)</small>					
26 05 83 00-0127	EA			#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	10.53	4.76
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.86	
26 05 83 00-0128	EA			#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	10.63	4.76
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.86	
26 05 83 00-0129	EA			#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	10.73	4.76
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.86	
26 05 83 00-0130	<b>Motor/Equipment Connections And Terminations</b> <small>(26 05 83)</small>					
				Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 83 Wiring Connections**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 83 00-0131		AC Single Phase, 230 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0132	EA	<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	72.81	26.08
26 05 83 00-0133	EA	1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	72.12	26.08
26 05 83 00-0134	EA	3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	83.39	31.29
26 05 83 00-0135	EA	1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	100.55	39.12
26 05 83 00-0136	EA	1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	101.94	39.12
26 05 83 00-0137	EA	2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	102.22	39.12
26 05 83 00-0138	EA	3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	106.79	39.12
26 05 83 00-0139	EA	5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	133.43	52.15
26 05 83 00-0140	EA	7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	138.56	52.15
26 05 83 00-0141	EA	10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	176.14	65.20

26 05 83 00-0142		AC Three Phase, 230 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0143	EA	1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	72.12	26.08
26 05 83 00-0144	EA	3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	83.39	31.29
26 05 83 00-0145	EA	1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	100.55	39.12
26 05 83 00-0146	EA	1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	101.94	39.12
26 05 83 00-0147	EA	2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	102.22	39.12
26 05 83 00-0148	EA	3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	106.79	39.12
26 05 83 00-0149	EA	5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	133.43	52.15
26 05 83 00-0150	EA	7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	138.56	52.15
26 05 83 00-0151	EA	10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	176.14	65.20
26 05 83 00-0152	EA	15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	183.07	65.20
26 05 83 00-0153	EA	20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	236.46	78.23
26 05 83 00-0154	EA	25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	247.01	78.23
26 05 83 00-0155	EA	30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	340.35	104.31
26 05 83 00-0156	EA	40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	427.16	130.38
26 05 83 00-0157	EA	50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	499.57	156.46
26 05 83 00-0158	EA	60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	599.68	182.55
26 05 83 00-0159	EA	75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	690.94	208.63
26 05 83 00-0160	EA	100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	855.02	260.78
26 05 83 00-0161	EA	125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	1,006.61	310.33
26 05 83 00-0162	EA	150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	1,199.70	361.96
26 05 83 00-0163	EA	200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	1,672.87	542.83

26 05 83 00-0164		AC Three Phase, 460 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0165	EA	1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	72.12	26.08
26 05 83 00-0166	EA	3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	83.39	31.29
26 05 83 00-0167	EA	1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	100.55	39.12
26 05 83 00-0168	EA	1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	101.94	39.12
26 05 83 00-0169	EA	2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	102.22	39.12
26 05 83 00-0170	EA	3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	106.79	39.12
26 05 83 00-0171	EA	5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	133.43	52.15
26 05 83 00-0172	EA	7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	138.56	52.15
26 05 83 00-0173	EA	10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	176.14	65.20
26 05 83 00-0174	EA	15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	183.07	65.20
26 05 83 00-0175	EA	20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	236.47	78.23
26 05 83 00-0176	EA	25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	247.00	78.23
26 05 83 00-0177	EA	30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	340.35	104.31
26 05 83 00-0178	EA	40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	427.47	130.60
26 05 83 00-0179	EA	50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	499.57	156.46
26 05 83 00-0180	EA	60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	599.68	182.55
26 05 83 00-0181	EA	75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	690.94	208.63
26 05 83 00-0182	EA	100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	855.02	260.78
26 05 83 00-0183	EA	125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	1,006.90	310.43
26 05 83 00-0184	EA	150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	1,200.10	362.17
26 05 83 00-0185	EA	200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	1,673.77	543.26

26 05 83 00-0186		AC Single Phase, 120 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0187	EA	1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	72.81	26.08

26 05 83 00-0188		Motor Moisture Sensor <small>(26 05 83 00-0130)</small>		
26 05 83 00-0189	EA	Motor Moisture Sensor Located In Winding .....	675.01	

**26 09 Instrumentation and Control for Electrical Systems (26)**

Note: Includes testing of new devices and certification.

**26 09 23 Lighting Control Devices (26 09)****26 09 23 00-0001 Lighting Contactors (26 09 23)**

Note: Up to 600 volt.

**26 09 23 00-0002 Electrically Held, Lighting Contactors (26 09 23 00-0001)****26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)**





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)</b>		
26 09 23 00-0005 EA 20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	465.35	83.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	50.07	
26 09 23 00-0006 EA 30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	578.06	93.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	56.33	
26 09 23 00-0007 EA 60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,091.54	146.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	87.62	
26 09 23 00-0008 EA 100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,709.15	198.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	118.91	
26 09 23 00-0009 EA 200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	3,608.74	260.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	156.47	
<b>26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)</b>		
26 09 23 00-0011 EA 20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	525.64	93.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	56.33	
26 09 23 00-0012 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	633.37	104.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	62.59	
26 09 23 00-0013 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,179.19	166.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	100.14	
26 09 23 00-0014 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,844.35	219.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	131.43	
26 09 23 00-0015 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	3,871.62	286.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	172.11	
<b>26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)</b>		
26 09 23 00-0017 EA 20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	620.90	104.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	62.59	
26 09 23 00-0018 EA 30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	748.53	114.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	68.85	
26 09 23 00-0019 EA 60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,430.82	187.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	112.66	
26 09 23 00-0020 EA 100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,213.24	239.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	143.95	
26 09 23 00-0021 EA 200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	4,959.40	312.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	187.76	
<b>26 09 23 00-0022 NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)</b>		
<b>26 09 23 00-0023 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)</b>		
26 09 23 00-0024 EA 20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	782.62	83.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	50.07	
26 09 23 00-0025 EA 30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	998.71	93.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	56.33	
26 09 23 00-0026 EA 60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,930.36	146.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	87.62	
26 09 23 00-0027 EA 100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	2,900.56	198.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	118.91	
26 09 23 00-0028 EA 200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	5,642.25	260.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	156.47	
<b>26 09 23 00-0029 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)</b>		
26 09 23 00-0030 EA 20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	809.75	93.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	56.33	
26 09 23 00-0031 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,054.02	104.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	62.59	
26 09 23 00-0032 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	2,020.47	166.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	100.14	
26 09 23 00-0033 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,034.95	219.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	131.43	
26 09 23 00-0034 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	5,904.32	286.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	172.11	
<b>26 09 23 00-0035 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)</b>		
26 09 23 00-0036 EA 20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	874.54	104.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	62.59	
26 09 23 00-0037 EA 30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,169.17	114.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	68.85	
26 09 23 00-0038 EA 60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	2,599.27	187.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	112.66	
26 09 23 00-0039 EA 100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,371.00	239.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	143.95	
26 09 23 00-0040 EA 200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	7,894.06	312.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	187.76	
<b>26 09 23 00-0041 Mechanically Held, Lighting Contactors (26 09 23 00-0001)</b>		

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0042			NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0041)</small>		
26 09 23 00-0043			2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0042)</small>		
26 09 23 00-0044	EA		20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	696.58	83.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.07	
26 09 23 00-0045	EA		30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	792.90	93.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.33	
26 09 23 00-0046	EA		60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	1,509.72	146.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.62	
26 09 23 00-0047	EA		100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	2,105.19	198.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.91	
26 09 23 00-0048	EA		200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	4,894.44	260.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.47	
26 09 23 00-0049			3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0042)</small>		
26 09 23 00-0050	EA		20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	743.43	93.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.33	
26 09 23 00-0051	EA		30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	849.84	104.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.59	
26 09 23 00-0052	EA		60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	1,599.83	166.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.14	
26 09 23 00-0053	EA		100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	2,241.22	219.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.43	
26 09 23 00-0054	EA		200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	5,505.81	286.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.11	
26 09 23 00-0055			4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0042)</small>		
26 09 23 00-0056	EA		20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	801.94	104.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.59	
26 09 23 00-0057	EA		30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	905.14	114.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.85	
26 09 23 00-0058	EA		60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	1,873.60	187.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.66	
26 09 23 00-0059	EA		100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	2,633.88	239.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.95	
26 09 23 00-0060	EA		200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	6,655.09	312.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	187.76	
26 09 23 00-0061			NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0041)</small>		
26 09 23 00-0062			2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0061)</small>		
26 09 23 00-0063	EA		20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	1,054.18	83.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.07	
26 09 23 00-0064	EA		30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	1,213.54	93.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.33	
26 09 23 00-0065	EA		60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	2,351.01	146.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.62	
26 09 23 00-0066	EA		100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	3,296.60	198.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.91	
26 09 23 00-0067	EA		200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	6,926.32	260.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.47	
26 09 23 00-0068			3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0061)</small>		
26 09 23 00-0069	EA		20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	1,112.68	93.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.33	
26 09 23 00-0070	EA		30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	1,270.49	104.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.59	
26 09 23 00-0071	EA		60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	2,441.12	166.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.14	
26 09 23 00-0072	EA		100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	3,433.45	219.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.43	
26 09 23 00-0073	EA		200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	7,539.33	286.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.11	
26 09 23 00-0074			4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0061)</small>		
26 09 23 00-0075	EA		20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	1,175.68	104.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.59	
26 09 23 00-0076	EA		30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	1,325.79	114.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.85	
26 09 23 00-0077	EA		60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	3,042.05	187.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.66	
26 09 23 00-0078	EA		100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	4,151.64	239.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.95	
26 09 23 00-0079	EA		200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	9,529.89	312.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	187.76	



	MINOR CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0080		<b>Combination Lighting Contactors</b> <small>(26 09 23)</small> Note: Up to 600 volt.		
26 09 23 00-0081		<b>Electrically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0080)</small>		
26 09 23 00-0082		<b>NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0081)</small>		
26 09 23 00-0083		<b>3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0082)</small>		
26 09 23 00-0084	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,354.89 68.85	114.74
26 09 23 00-0085	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,123.54 110.15	183.59
26 09 23 00-0086	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,441.18 144.58	240.96
26 09 23 00-0087	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,309.76 189.32	315.54
26 09 23 00-0088		<b>NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0081)</small>		
26 09 23 00-0089		<b>3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0088)</small>		
26 09 23 00-0090	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,475.38 68.85	114.74
26 09 23 00-0091	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,850.39 110.15	183.59
26 09 23 00-0092	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,454.56 144.58	240.96
26 09 23 00-0093	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,164.43 189.32	315.54
26 09 23 00-0094		<b>Mechanically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0080)</small>		
26 09 23 00-0095		<b>NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0094)</small>		
26 09 23 00-0096		<b>3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0095)</small>		
26 09 23 00-0097	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,482.81 68.85	114.74
26 09 23 00-0098	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,566.32 110.15	183.59
26 09 23 00-0099	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,860.59 144.58	240.96
26 09 23 00-0100	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,501.58 189.32	315.54
26 09 23 00-0101		<b>NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0094)</small>		
26 09 23 00-0102		<b>3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0101)</small>		
26 09 23 00-0103	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,604.52 68.85	114.74
26 09 23 00-0104	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,295.63 110.15	183.59
26 09 23 00-0105	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,875.20 144.58	240.96
26 09 23 00-0106	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,356.25 189.32	315.54
26 09 23 00-0107		<b>Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket</b> <small>(26 09 23)</small>		

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0108 EA 105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket .....	129.68	27.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.30	
26 09 23 00-0109 EA 105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket .....	142.16	27.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.30	
<b>26 09 23 00-0110 Dimming Module System (Lutron Grafik Eye) (26 09 23)</b>		
26 09 23 00-0111 EA 2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2).....	1,602.00	104.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.59	
26 09 23 00-0112 EA 4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4).....	2,075.23	104.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.59	
26 09 23 00-0113 EA 6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6).....	2,556.89	104.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.59	
<b>26 09 23 00-0114 Dimming Module Control (Leviton) (26 09 23)</b>		
26 09 23 00-0115 EA 5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0).....	207.54	13.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.84	
<b>26 09 23 00-0116 Light Control Panels (26 09 23)</b>		
<b>26 09 23 00-0117 Lighting Control Panels (Watt Stopper) (26 09 23 00-0116)</b>		
<b>26 09 23 00-0118 Lighting Control Panels (Watt Stopper) (26 09 23 00-0117)</b>		
26 09 23 00-0119 EA 4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4) .....	1,554.73	146.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.79	
26 09 23 00-0120 EA 8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8) .....	1,460.83	156.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.06	
26 09 23 00-0121 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G) .....	1,640.18	156.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.06	
26 09 23 00-0122 EA 8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8) .....	2,442.82	156.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.06	
26 09 23 00-0123 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G) .....	2,653.39	156.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.06	
26 09 23 00-0124 EA 4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4) .....	1,727.22	146.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.79	
26 09 23 00-0125 EA 8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8) .....	1,853.32	156.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.06	
26 09 23 00-0126 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G) .....	2,063.68	156.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.06	
26 09 23 00-0127 EA 8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8).....	2,526.97	156.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.06	
26 09 23 00-0128 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G).....	2,737.53	156.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.06	
<b>26 09 23 00-0129 Accessories For Lighting Control Panels (Watt Stopper) (26 09 23 00-0117)</b>		
26 09 23 00-0130 EA Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2) .....	152.24	26.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.68	
26 09 23 00-0131 EA Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W) .....	117.29	20.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	
26 09 23 00-0132 EA Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2).....	63.18	20.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	
<b>26 09 23 00-0133 Lighting Control Panels (Synergy) (26 09 23 00-0116)</b>		
<b>26 09 23 00-0134 Lighting Control Panels (Synergy) (26 09 23 00-0133)</b>		
26 09 23 00-0135 EA 8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S) .....	2,543.90	156.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.06	
<b>26 09 23 00-0136 Accessories For Lighting Control Panels (Synergy) (26 09 23 00-0133)</b>		
26 09 23 00-0137 EA Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL).....	626.11	26.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.68	
26 09 23 00-0138 EA Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20) .....	242.45	10.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.27	
26 09 23 00-0139 EA Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT) .....	135.61	15.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.41	
<b>26 09 23 00-0140 Lighting Switching Panels (Lutron) (26 09 23 00-0116)</b>		
<b>26 09 23 00-0141 Lighting Switching Panels (Lutron) (26 09 23 00-0140)</b>		
26 09 23 00-0142 EA 8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT).....	2,064.96	156.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.06	
26 09 23 00-0143 EA 12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT) .....	2,839.60	167.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.33	
26 09 23 00-0144 EA 16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT) .....	3,725.69	177.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 09 23 00-0145</b> <b>Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera)</b> <small>(26 09 23 00-0116)</small>		
26 09 23 00-0146 EA 6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z) .....	1,373.76	146.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.79	
26 09 23 00-0147 EA 12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z) .....	1,570.33	146.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.79	
26 09 23 00-0148 EA 18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z) .....	1,766.90	146.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.79	
<b>26 09 23 00-0149</b> <b>Power Filters</b> <small>(26 09 23 00-0116)</small>		
26 09 23 00-0150 EA 600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure .....	39,123.65	869.22
26 09 23 00-0151 EA 200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure .....	23,186.96	377.92
<b>26 09 23 00-0152</b> <b>Signal Filters</b> <small>(26 09 23 00-0116)</small>		
26 09 23 00-0153 EA 0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case .....	17,780.69	790.26
26 09 23 00-0154 EA 0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case .....	12,181.38	482.96
26 09 23 00-0155 EA 0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case .....	6,791.66	280.39
26 09 23 00-0156 EA 5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case .....	9,284.01	280.39
<b>26 09 23 00-0157</b> <b>Lighting Control Devices (Encelium)</b> <small>(26 09 23)</small>		
26 09 23 00-0158 EA 8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120V) With Polaris 3D™ (Encelium EN-ECU-G4-P3D) .....	14,865.75	104.51
Note: Excludes GB II cable.		
26 09 23 00-0159 EA Server, System Support Unit (SSU) (Encelium EN-SSU-1U) .....	6,784.12	104.51
Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0160 EA Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT) .....	3,520.33	104.51
Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0161 EA Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) .....	14,953.31	104.51
Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0162 EA Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK) .....	115.04	13.07
Note: Excludes GB II cable.		
26 09 23 00-0163 EA Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR) .....	179.70	13.07
Note: Excludes GB II cable.		
26 09 23 00-0164 EA Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK) .....	224.09	26.13
Note: Excludes GB II cable.		
26 09 23 00-0165 EA Damp Rated, Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR) .....	271.62	26.13
Note: Excludes GB II cable.		
26 09 23 00-0166 EA Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK) .....	141.16	26.13
Note: Excludes GB II cable.		
26 09 23 00-0167 EA Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR) .....	205.82	26.13
Note: Excludes GB II cable.		
26 09 23 00-0168 EA 16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700) .....	521.31	52.25
Note: Excludes cable.		
26 09 23 00-0169 EA Rack Mounted, Wired Power Bar (Encelium PWR-700) .....	388.47	52.25
26 09 23 00-0170 EA Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800) .....	722.42	52.25
26 09 23 00-0171 EA Wall Mounted, 4U Mounting Rack (Encelium RCK-700) .....	238.35	52.25
26 09 23 00-0172 EA 4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042) .....	811.38	52.25
Note: Excludes cable.		
26 09 23 00-0173 EA Wired BACnet Interface (Encelium BIF-600) .....	8,587.22	209.02
Note: Excludes cable.		
26 09 23 00-0174 EA Wired AV Interface (Encelium EN-SW-AVINT) .....	6,381.01	52.25
Note: Excludes cable.		
26 09 23 00-0175 EA Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH) .....	236.37	13.07
Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0176 EA 3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH) .....	288.90	13.07
Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0177 EA 3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH) .....	276.22	13.07
Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0178 EA 5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH) .....	288.90	13.07
Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0179 EA 6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH) .....	276.22	13.07
Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0180 EA Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT) .....	207.97	13.07
Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0181 EA Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT) .....	288.90	13.07
Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0182 EA 3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT) .....	276.22	13.07
Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0183 EA Wired Key Switch Controller (Encelium KSW-300) .....	202.86	13.07
Note: Excludes GB II cable.		
26 09 23 00-0184 EA Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH) .....	84.63	13.07
Note: Includes white finish.		
26 09 23 00-0185 EA 1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2) .....	65.54	26.13
26 09 23 00-0186 EA 1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2) .....	66.10	26.13
26 09 23 00-0187 EA 5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2) .....	70.58	26.13

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0188 EA 10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2) .....	75.00	26.13
26 09 23 00-0189 EA 15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2) .....	80.28	26.13
26 09 23 00-0190 EA 20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2) .....	85.03	26.13
26 09 23 00-0191 EA 25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2) .....	90.87	26.13
26 09 23 00-0192 EA 50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2) .....	117.29	26.13
26 09 23 00-0193 EA 1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2) .....	784.99	26.13
26 09 23 00-0194 EA Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2) .....	186.31	26.13
26 09 23 00-0195 EA 1,000' Box, Category 5, Network Cable (Encelium NWC-400-B) .....	1,015.05	26.13
26 09 23 00-0196 EA Indoor Wired Photo Sensor (Encelium PHS-700) .....	585.92	52.25
Note: Excludes GB II cable.		
26 09 23 00-0197 EA Outdoor Wired Photo Sensor (Encelium PHS-800) .....	585.92	52.25
Note: Excludes GB II cable.		
26 09 23 00-0198 EA Skylight Wired Photo Sensor (Encelium PHS-900) .....	585.92	52.25
Note: Excludes GB II cable.		
26 09 23 00-0199 EA 450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450) .....	299.66	52.25
Note: Excludes GB II cable.		
26 09 23 00-0200 EA 1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500) .....	290.05	52.25
Note: Excludes GB II cable.		
26 09 23 00-0201 EA 2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00) .....	296.46	52.25
Note: Excludes GB II cable.		
26 09 23 00-0202 EA High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY) .....	328.45	52.25
Note: Excludes GB II cable.		
26 09 23 00-0203 EA Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG) .....	296.46	52.25
Note: Excludes GB II cable.		
26 09 23 00-0204 EA 120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV) .....	232.49	52.25
Note: Excludes GB II cable.		
26 09 23 00-0205 EA High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPM24V) .....	247.11	52.25
Note: Excludes GB II cable.		
26 09 23 00-0206 EA High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V) .....	247.11	52.25
Note: Excludes GB II cable.		
26 09 23 00-0207 EA 360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLNS360) .....	125.23	52.25
Note: Excludes GB II cable.		
26 09 23 00-0208 EA Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24) .....	304.38	52.25
Note: Excludes GB II cable.		
26 09 23 00-0209 EA Hallway, Wired Occupancy Sensor (Encelium HW-13) .....	434.79	52.25
Note: Excludes GB II cable.		
26 09 23 00-0210 EA 500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500) .....	379.63	52.25
Note: Excludes GB II cable.		
26 09 23 00-0211 EA 1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000) .....	405.23	52.25
Note: Excludes GB II cable.		
26 09 23 00-0212 EA 2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000) .....	418.03	52.25
Note: Excludes GB II cable.		
26 09 23 00-0213 EA 1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200) .....	376.43	52.25
Note: Excludes GB II cable.		
26 09 23 00-0214 EA 120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV) .....	312.46	52.25
Note: Excludes GB II cable.		
26 09 23 00-0215 EA 500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W) .....	393.39	52.25
Note: Excludes GB II cable.		
26 09 23 00-0216 EA 1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W) .....	390.04	52.25
Note: Excludes GB II cable.		
26 09 23 00-0217 EA 2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W) .....	433.70	52.25
Note: Excludes GB II cable.		
26 09 23 00-0218 EA 1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W) .....	420.28	52.25
Note: Excludes GB II cable.		
26 09 23 00-0219 EA Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24) .....	453.08	52.25
Note: Excludes GB II cable.		
26 09 23 00-0220 EA Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV) .....	420.41	52.25
Note: Excludes GB II cable.		
26 09 23 00-0221 EA Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT) .....	420.41	52.25
Note: Excludes GB II cable.		
26 09 23 00-0222 EA 10A, 120V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C) .....	272.98	52.25
26 09 23 00-0223 EA 10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C) .....	293.09	52.25
26 09 23 00-0224 EA 20A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P) .....	520.87	52.25
26 09 23 00-0225 EA 20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P) .....	557.78	52.25
26 09 23 00-0226 EA 10A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D) .....	408.84	52.25
26 09 23 00-0227 EA 10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D) .....	426.68	52.25
26 09 23 00-0228 EA 24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2) .....	1,232.76	104.51
Note: Excludes GB II cable and enclosure.		
26 09 23 00-0229 EA 24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V) .....	3,834.17	418.03
Note: Excludes GB II cable.		
26 09 23 00-0230 EA 12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V) .....	5,633.04	418.03
Note: Excludes GB II cable.		
26 09 23 00-0231 EA 24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V) .....	7,431.88	418.03
Note: Excludes GB II cable.		
26 09 23 00-0232 EA Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2) .....	616.38	52.25
Note: Excludes GB II cable.		
26 09 23 00-0233 EA Wired DALI Bridge (Encelium EN-DB-1L-GB2) .....	707.79	52.25
Note: Excludes GB II cable.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0234	EA		Wireless Manager (Encelium EN-WM-ZB-P3D) ..... Note: Includes white finish.	1,932.62	52.25
26 09 23 00-0235	EA		Wireless Control Module (Encelium EN-WCM-ZB).....	259.44	26.13
26 09 23 00-0236	EA		Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR) .....	308.18	26.13
26 09 23 00-0237	EA		Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK).....	309.40	26.13
26 09 23 00-0238	EA		Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR) .....	320.90	26.13
26 09 23 00-0239	EA		2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	233.32	13.07
26 09 23 00-0240	EA		3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) .....	233.32	13.07
26 09 23 00-0241	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) .....	233.32	13.07
26 09 23 00-0242	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) .....	233.32	13.07
26 09 23 00-0243	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) .....	233.32	13.07
26 09 23 00-0244	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) .....	241.23	13.07
26 09 23 00-0245	EA		315 MHz, Wireless Photocell (Encelium TAP-17C) .....	506.69	52.25
26 09 23 00-0246	EA		450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB) .....	311.70	52.25
26 09 23 00-0247	EA		1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB) .....	311.70	52.25
26 09 23 00-0248	EA		1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	360.44	52.25
26 09 23 00-0249	EA		450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	360.44	52.25
26 09 23 00-0250	EA		2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	233.32	13.07
26 09 23 00-0251	EA		3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) .....	233.32	13.07
26 09 23 00-0252	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) .....	233.32	13.07
26 09 23 00-0253	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) .....	233.32	13.07
26 09 23 00-0254	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) .....	233.32	13.07
26 09 23 00-0255	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) .....	241.23	13.07
26 09 23 00-0256	EA		315 MHz, Wireless Photocell (Encelium TAP-17C) .....	506.69	52.25
26 09 23 00-0257	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) .....	233.32	13.07
26 09 23 00-0258	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) .....	233.32	13.07
26 09 23 00-0259	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) .....	233.32	13.07
26 09 23 00-0260	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) .....	241.23	13.07
26 09 23 00-0261	EA		315 MHz, Wireless Photocell (Encelium TAP-17C) .....	506.69	52.25
26 09 23 00-0262	EA		450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB) .....	311.70	52.25
26 09 23 00-0263	EA		1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB) .....	311.70	52.25
26 09 23 00-0264	EA		1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	360.44	52.25
26 09 23 00-0265	EA		450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	360.44	52.25
26 09 23 00-0266	EA		2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	233.32	13.07
26 09 23 00-0267	EA		3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH) .....	233.32	13.07
26 09 23 00-0268	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) .....	233.32	13.07
26 09 23 00-0269	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) .....	233.32	13.07
26 09 23 00-0270	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) .....	233.32	13.07
26 09 23 00-0271	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) .....	241.23	13.07
26 09 23 00-0272	EA		315 MHz, Wireless Photocell (Encelium TAP-17C) .....	506.69	52.25
26 09 23 00-0273	EA		Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB) .....	132.54	52.25
26 09 23 00-0274	EA		Wireless Ethernet Transceiver Unit (cns-enocan Connectivity Kit) .....	667.04	52.25
<b>26 09 23 00-0275</b>			<b>Lighting Control Sensors (26 09 23)</b>		
26 09 23 00-0276	EA		DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI) .....	356.56	23.51
26 09 23 00-0277	EA		DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI) .....	356.56	23.51
26 09 23 00-0278	EA		Smart Multi-sensor (LG 9SD131VVDA.ALWB000).....	311.64	23.51
26 09 23 00-0279	EA		Zigbee Dongle (LG 9CM2315VD2.AWP01U) .....	93.11	15.68
26 09 23 00-0280	EA		Clip for Performance Troffer (LG BKTTR015122.BUAAWAA).....	7.10	
26 09 23 00-0281	EA		Clip for Downlight (BKTCE015123.BUAAWAA).....	60.99	
26 09 23 00-0282	EA		Clip for Tube (LG BKTU015121.BUAAWAA).....	10.37	
<b>26 09 23 00-0283</b>			<b>Radio Controlled Devices (Lutron) (26 09 23)</b>		
<b>26 09 23 00-0284</b>			<b>Tabletop Transmitters For Radio Controlled Devices (26 09 23 00-0283)</b>		
<b>26 09 23 00-0285</b>			<b>Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)</b>		
26 09 23 00-0286	EA		One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH).....	474.43	15.68
26 09 23 00-0287	EA		Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH).....	617.89	15.68
26 09 23 00-0288	EA		Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH).....	779.28	15.68
<b>26 09 23 00-0289</b>			<b>Dimmable Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)</b>		
26 09 23 00-0290	EA		One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH) .....	474.43	15.68
26 09 23 00-0291	EA		Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH) .....	564.10	15.68

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0292 EA Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH).....	779.28	15.68
26 09 23 00-0293 EA One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH).....	474.43	15.68
26 09 23 00-0294 EA Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH).....	617.89	15.68
26 09 23 00-0295 EA Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH).....	779.28	15.68
<b>26 09 23 00-0296 Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter</b> <sup>(26 09 23 00-0294)</sup>		
26 09 23 00-0297 EA One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH) .....	617.89	15.68
26 09 23 00-0298 EA Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH).....	779.28	15.68
26 09 23 00-0299 EA One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....	779.28	15.68
<b>26 09 23 00-0300 Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter</b> <sup>(26 09 23 00-0294)</sup>		
26 09 23 00-0301 EA One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH) .....	474.43	15.68
26 09 23 00-0302 EA Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH).....	617.89	15.68
26 09 23 00-0303 EA One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH).....	564.10	15.68
26 09 23 00-0304 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH) .....	689.62	15.68
26 09 23 00-0305 EA One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH) .....	617.89	15.68
26 09 23 00-0306 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH).....	743.42	15.68
26 09 23 00-0307 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH).....	617.89	15.68
<b>26 09 23 00-0308 Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter</b> <sup>(26 09 23 00-0294)</sup>		
26 09 23 00-0309 EA One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH).....	474.43	15.68
26 09 23 00-0310 EA Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH).....	617.89	15.68
26 09 23 00-0311 EA One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH).....	617.89	15.68
26 09 23 00-0312 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH).....	779.28	15.68
26 09 23 00-0313 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH).....	617.89	15.68
26 09 23 00-0314 EA One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH) .....	779.28	15.68
<b>26 09 23 00-0315 Output Switch Closure Controls, Tabletop Wireless Transmitter</b> <sup>(26 09 23 00-0294)</sup>		
26 09 23 00-0316 EA Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH).....	474.43	15.68
26 09 23 00-0317 EA Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH) .....	617.89	15.68
26 09 23 00-0318 EA Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH) .....	779.28	15.68
<b>26 09 23 00-0319 Accessories For Tabletop Wireless Transmitter</b> <sup>(26 09 23 00-0294)</sup>		
26 09 23 00-0320 EA Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH) .....	97.86	15.68
<b>26 09 23 00-0321 Wall Box Transmitters For Radio Controlled Devices</b> <sup>(26 09 23 00-0283)</sup>		
26 09 23 00-0322 EA On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH) .....	438.57	15.68
26 09 23 00-0323 EA Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH).....	474.43	15.68
26 09 23 00-0324 EA Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH) .....	474.43	15.68
26 09 23 00-0325 EA Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH).....	474.43	15.68
26 09 23 00-0326 EA Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH).....	474.43	15.68
26 09 23 00-0327 EA Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH).....	474.43	15.68
<b>26 09 23 00-0328 Interfaces For Radio Controlled Devices</b> <sup>(26 09 23 00-0283)</sup>		
26 09 23 00-0329 EA Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000) .....	438.57	15.68
26 09 23 00-0330 EA Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	438.57	15.68
26 09 23 00-0331 EA Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000).....	438.57	15.68
26 09 23 00-0332 EA Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8) .....	894.05	15.68





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0333 EA RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232) .....	1,281.38	15.68
26 09 23 00-0334 EA Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI) .....	1,281.38	15.68
<b>26 09 23 00-0335 Fluorescent Controllers For Radio Controlled Devices (26 09 23 00-0283)</b>		
26 09 23 00-0336 EA On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW) .....	564.10	15.68
26 09 23 00-0337 EA Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F) .....	635.82	15.68
26 09 23 00-0338 EA Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC) .....	743.42	15.68
<b>26 09 23 00-0339 AC Motor Group Controllers For Radio Controlled Devices (26 09 23 00-0283)</b>		
26 09 23 00-0340 EA Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC) .....	833.08	15.68
26 09 23 00-0341 EA Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC) .....	1,146.89	15.68
<b>26 09 23 00-0342 RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®) (26 09 23)</b>		
<b>26 09 23 00-0343 RF Wireless Technology, Switches (Lutron® Maestro Wireless®) (26 09 23 00-0342)</b>		
26 09 23 00-0344 EA 6 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS) .....	124.35	20.90
26 09 23 00-0345 EA 8 Amperes Lighting, 5.8 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120) .....	147.18	20.90
26 09 23 00-0346 EA 8 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV) .....	232.27	20.90
26 09 23 00-0347 EA 120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS) .....	86.26	20.90
26 09 23 00-0348 EA 277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277) .....	106.20	20.90
26 09 23 00-0349 EA 120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS) .....	94.63	20.90
26 09 23 00-0350 EA 277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277) .....	114.98	20.90
<b>26 09 23 00-0351 RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®) (26 09 23 00-0342)</b>		
26 09 23 00-0352 EA 600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M) .....	119.08	20.90
26 09 23 00-0353 EA 600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV) .....	129.61	20.90
26 09 23 00-0354 EA 600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120) .....	155.96	20.90
26 09 23 00-0355 EA 1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120) .....	166.40	26.13
26 09 23 00-0356 EA 600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120) .....	207.76	20.90
26 09 23 00-0357 EA 120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R) .....	65.96	20.90
26 09 23 00-0358 EA 277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277) .....	80.44	20.90
26 09 23 00-0359 EA 120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD) .....	71.23	20.90
26 09 23 00-0360 EA 277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277) .....	85.71	20.90
26 09 23 00-0361 EA 6 Amperes, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV) .....	231.21	36.58
<b>26 09 23 00-0362 Removal And Reinstallation Of Occupancy Sensors (26 09 23)</b>		
26 09 23 00-0363 EA Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor .....	70.54	
Note: Includes storing and cleaning.		
26 09 23 00-0364 EA Removal And Reinstallation Of Wall Mounted Occupancy Sensor .....	47.03	
Note: Includes storing and cleaning.		
<b>26 09 23 00-0365 Occupancy Sensors (Watt Stopper) (26 09 23)</b>		
Note: Includes testing of new devices and certification.		
<b>26 09 23 00-0366 Occupancy Sensors (26 09 23 00-0365)</b>		
Note: Exclude boxes.		
<b>26 09 23 00-0367 Wall Switch Mounted Occupancy Sensors (26 09 23 00-0366)</b>		
<b>26 09 23 00-0368 Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0367)</b>		
26 09 23 00-0369 EA Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100) .....	109.51	10.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.27	
26 09 23 00-0370 EA Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200) .....	129.13	10.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.27	
<b>26 09 23 00-0371 Passive Infrared, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0367)</b>		
26 09 23 00-0372 EA Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100) .....	90.54	10.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.27	
26 09 23 00-0373 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS) .....	84.59	10.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.27	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0374 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100) .....	95.69	10.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.27	
26 09 23 00-0375 EA Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200) .....	110.69	10.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.27	
26 09 23 00-0376 EA Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD) .....	109.46	10.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.27	
<b>26 09 23 00-0377 Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors</b>		
<i>(26 09 23 00-0367)</i>		
26 09 23 00-0378 EA Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100) .....	159.01	10.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.27	
26 09 23 00-0379 EA Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200) .....	171.42	10.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.27	
<b>26 09 23 00-0380 Wall Switch Mounted Occupancy Sensor Accessories</b> <i>(26 09 23 00-0367)</i>		
26 09 23 00-0381 EA Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP) .....	6.40	2.61
26 09 23 00-0382 EA One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP) .....	7.39	2.61
26 09 23 00-0383 EA Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP) .....	7.39	2.61
<b>26 09 23 00-0384 Ceiling Mounted Occupancy Sensors</b> <i>(26 09 23 00-0366)</i>		
<b>26 09 23 00-0385 Ultrasonic, Ceiling Mounted Occupancy Sensors</b> <i>(26 09 23 00-0384)</i>		
<b>26 09 23 00-0386 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors</b> <i>(26 09 23 00-0385)</i>		
26 09 23 00-0387 EA 500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A) .....	145.25	23.51
26 09 23 00-0388 EA 1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A) .....	166.60	23.51
26 09 23 00-0389 EA 2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A) .....	188.10	23.51
26 09 23 00-0390 EA 90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H) .....	186.15	23.51
<b>26 09 23 00-0391 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors</b> <i>(26 09 23 00-0385)</i>		
26 09 23 00-0392 EA 600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605) .....	157.88	23.51
26 09 23 00-0393 EA 1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105) .....	179.53	23.51
26 09 23 00-0394 EA 2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205) .....	200.03	23.51
26 09 23 00-0395 EA 90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255) .....	203.50	23.51
26 09 23 00-0396 EA 600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600) .....	170.82	23.51
26 09 23 00-0397 EA 1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100) .....	193.01	23.51
26 09 23 00-0398 EA 2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200) .....	215.11	23.51
26 09 23 00-0399 EA 90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250) .....	221.47	23.51
<b>26 09 23 00-0400 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors</b> <i>(26 09 23 00-0385)</i>		
26 09 23 00-0401 EA 500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1) .....	164.14	23.51
26 09 23 00-0402 EA 1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2) .....	190.00	23.51
26 09 23 00-0403 EA 2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3) .....	211.65	23.51
26 09 23 00-0404 EA 500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1) .....	154.61	23.51
26 09 23 00-0405 EA 1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2) .....	187.21	23.51
26 09 23 00-0406 EA 2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3) .....	197.76	23.51
26 09 23 00-0407 EA 500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1) .....	165.48	23.51
26 09 23 00-0408 EA 1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2) .....	184.25	23.51
26 09 23 00-0409 EA 2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3) .....	207.42	23.51
<b>26 09 23 00-0410 Passive Infrared, Ceiling Mounted Occupancy Sensors</b> <i>(26 09 23 00-0384)</i>		
26 09 23 00-0411 EA 30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR) .....	120.34	23.51
26 09 23 00-0412 EA HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24) .....	122.86	23.51
26 09 23 00-0413 EA Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205) .....	128.83	23.51
26 09 23 00-0414 EA Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355) .....	144.85	23.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0415 EA Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305) .....	146.79	23.51
26 09 23 00-0416 EA Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200) .....	155.17	23.51
26 09 23 00-0417 EA Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300) .....	168.59	23.51



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0418				<b>Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors</b> <small>(26 09 23 00-0384)</small>		
26 09 23 00-0419	EA			1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	199.85	23.51
26 09 23 00-0420	EA			1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	228.23	23.51
26 09 23 00-0421	EA			1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	193.83	23.51
26 09 23 00-0422				<b>Ceiling/Wall Mounted Occupancy Sensors</b> <small>(26 09 23 00-0366)</small>		
26 09 23 00-0423				<b>Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors</b> <small>(26 09 23 00-0422)</small>		
26 09 23 00-0424	EA			120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	245.23	23.51
26 09 23 00-0425	EA			2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	245.23	23.51
26 09 23 00-0426				<b>Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors</b> <small>(26 09 23 00-0422)</small>		
26 09 23 00-0427	EA			2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	228.23	23.51
26 09 23 00-0428				<b>Occupancy Sensor Power Packs</b> <small>(26 09 23 00-0365)</small>		
26 09 23 00-0429				<b>Single Voltage, Occupancy Sensor Power Packs</b> <small>(26 09 23 00-0428)</small>		
26 09 23 00-0430	EA			220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	81.49	20.90
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	
26 09 23 00-0431	EA			347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	74.28	20.90
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	
26 09 23 00-0432				<b>Auxiliary, Occupancy Sensor Power Packs</b> <small>(26 09 23 00-0428)</small>		
26 09 23 00-0433	EA			120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	68.34	20.90
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	
26 09 23 00-0434				<b>Universal Voltage, Power Packs For Occupancy Sensors</b> <small>(26 09 23 00-0428)</small>		
26 09 23 00-0435	EA			120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100).....	90.08	20.90
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	
26 09 23 00-0436				<b>Form C, Occupancy Sensor Power Packs</b> <small>(26 09 23 00-0428)</small>		
26 09 23 00-0437	EA			120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P).....	81.82	20.90
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	
26 09 23 00-0438	EA			277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P).....	81.88	20.90
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	
26 09 23 00-0439				<b>Two Relay, Occupancy Sensor Power Packs</b> <small>(26 09 23 00-0428)</small>		
26 09 23 00-0440	EA			120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P).....	102.71	20.90
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	
26 09 23 00-0441	EA			277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P).....	104.14	20.90
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	
26 09 23 00-0442				<b>Occupancy Sensor Power Supplies</b> <small>(26 09 23 00-0428)</small>		
26 09 23 00-0443	EA			120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150).....	102.16	20.90
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	
26 09 23 00-0444	EA			277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277).....	208.34	20.90
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	
26 09 23 00-0445				<b>Intelligent, Occupancy Sensor Power Packs</b> <small>(26 09 23 00-0428)</small>		
26 09 23 00-0446	EA			120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100).....	275.33	20.90
26 09 23 00-0447				<b>DIN Rail Mounted, Occupancy Sensor Power Packs</b> <small>(26 09 23 00-0428)</small>		
26 09 23 00-0448	EA			120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100).....	89.26	20.90
26 09 23 00-0449				<b>Occupancy Sensor Accessories</b> <small>(26 09 23 00-0365)</small>		
26 09 23 00-0450				<b>Protective Cages For Occupancy Sensors</b> <small>(26 09 23 00-0449)</small>		
26 09 23 00-0451	EA			Protective Cage For Occupancy Sensors (Watt Stopper WC).....	51.07	7.83

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 09 23 00-0452 Mounting Brackets For Occupancy Sensors</b> <small>(26 09 23 00-0449)</small>		
26 09 23 00-0453 EA Mounting Bracket For Occupancy Sensor (Watt Stopper MB).....	40.26	13.07
Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.		
<b>26 09 23 00-0454 Occupancy/Lighting Logger</b> <small>(26 09 23 00-0449)</small>		
Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0455 EA Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	378.49	44.42
<b>26 09 23 00-0456 Digital Time Light Switches</b> <small>(26 09 23 00-0365)</small>		
26 09 23 00-0457 EA Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400) .....	81.78	10.45
<b>26 09 23 00-0458 Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
<b>26 09 23 00-0459 Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0458)</small>		
Note: Exclude boxes		
<b>26 09 23 00-0460 Wall Switch Mount Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0458)</small>		
<b>26 09 23 00-0461 Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0460)</small>		
26 09 23 00-0462 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV).....	200.22	10.45
For Low Temp/High Humidity Option, Add	13.58	
For Low Voltage Relay Option, Add	16.30	
26 09 23 00-0463 EA Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL).....	140.45	10.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27	
26 09 23 00-0464 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD).....	133.87	10.45
For Low Temp/High Humidity Option, Add	13.58	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27	
26 09 23 00-0465 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA).....	133.87	10.45
For Low Temp/High Humidity Option, Add	13.58	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27	
26 09 23 00-0466 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P) .....	170.34	10.45
For Low Temp/High Humidity Option, Add	13.58	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27	
26 09 23 00-0467 EA Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	170.34	10.45
For Low Temp/High Humidity Option, Add	13.58	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
26 09 23 00-0468 EA 2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P) .....	207.71	10.45
For Low Temp/High Humidity Option, Add	13.58	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
26 09 23 00-0469 EA Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD).....	170.34	10.45
For Low Temp/High Humidity Option, Add	13.58	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
<b>26 09 23 00-0470 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0460)</small>		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0471 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	260.00	10.45
For Low Temp/High Humidity Option, Add	13.58	
For Low Voltage Relay Option, Add	16.30	
26 09 23 00-0472 EA Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL) .....	200.22	10.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27	
26 09 23 00-0473 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT) .....	195.75	10.45
For Low Temp/High Humidity Option, Add	13.58	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27	
26 09 23 00-0474 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA).....	195.75	10.45
For Low Temp/High Humidity Option, Add	13.58	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27	
26 09 23 00-0475 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P) .....	230.11	10.45
For Low Temp/High Humidity Option, Add	13.58	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27	
26 09 23 00-0476 EA Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT).....	230.11	10.45
For Low Temp/High Humidity Option, Add	13.58	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
26 09 23 00-0477 EA 2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P) .....	248.04	10.45
For Low Temp/High Humidity Option, Add	13.58	
For Photocell (Inhibit Mode Only) Option, Add	16.30	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0478				<b>Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch)</b> <small>(26 09 23 00-0460)</small>		
26 09 23 00-0479	EA			One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX) .....	17.17	2.61
26 09 23 00-0480	EA			One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX) .....	17.17	2.61
26 09 23 00-0481	EA			Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3) .....	35.11	2.61
26 09 23 00-0482	EA			Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	35.11	2.61
26 09 23 00-0483				<b>360 Degree View Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0459)</small>		
26 09 23 00-0484				<b>Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0483)</small>		
				Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0485	EA			Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9) .....	226.35	23.51
				For Low Temp/High Humidity Option, Add	13.58	
				For Occupancy Controlled Dimming Option, Add	27.17	
				For Photocell (Inhibit Mode Only) Option, Add	16.30	
				For Low Voltage Relay Option, Add	16.30	
				For Photocell Option With Dimming Capability, Add	40.76	
26 09 23 00-0486	EA			Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9) .....	226.35	23.51
				For Low Temp/High Humidity Option, Add	13.58	
				For Occupancy Controlled Dimming Option, Add	27.17	
				For Photocell (Inhibit Mode Only) Option, Add	16.30	
				For Low Voltage Relay Option, Add	16.30	
				For Photocell Option With Dimming Capability, Add	40.76	
26 09 23 00-0487	EA			Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9) .....	226.35	23.51
				For Low Temp/High Humidity Option, Add	13.58	
				For Occupancy Controlled Dimming Option, Add	27.17	
				For Photocell (Inhibit Mode Only) Option, Add	16.30	
				For Low Voltage Relay Option, Add	16.30	
				For Photocell Option With Dimming Capability, Add	40.76	
26 09 23 00-0488	EA			Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9).....	241.30	23.51
				For Low Temp/High Humidity Option, Add	13.58	
				For Occupancy Controlled Dimming Option, Add	27.17	
				For Photocell (Inhibit Mode Only) Option, Add	16.30	
				For Photocell Option With Dimming Capability, Add	40.76	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0489	EA			Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9).....	241.30	23.51
				For Low Temp/High Humidity Option, Add	13.58	
				For Occupancy Controlled Dimming Option, Add	27.17	
				For Photocell (Inhibit Mode Only) Option, Add	16.30	
				For Photocell Option With Dimming Capability, Add	40.76	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0490	EA			Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9) .....	193.48	23.51
				For Low Temp/High Humidity Option, Add	13.58	
				For Occupancy Controlled Dimming Option, Add	27.17	
				For Photocell (Inhibit Mode Only) Option, Add	16.30	
				For Photocell Option With Dimming Capability, Add	40.76	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0491	EA			2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P).....	301.07	23.51
				For Low Temp/High Humidity Option, Add	13.58	
				For Photocell Option With Dual Zone On/Off, Add	40.76	
				For Photocell (Inhibit Mode Only) Option, Add	16.30	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0492	EA			2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P).....	301.07	23.51
				For Low Temp/High Humidity Option, Add	13.58	
				For Photocell Option With Dual Zone On/Off, Add	40.76	
				For Photocell (Inhibit Mode Only) Option, Add	16.30	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0493	EA			2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P) .....	253.25	23.51
				For Low Temp/High Humidity Option, Add	13.58	
				For Photocell Option With Dual Zone On/Off, Add	40.76	
				For Photocell (Inhibit Mode Only) Option, Add	16.30	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0494	EA			Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10) .....	226.35	23.51
				For Low Temp/High Humidity Option, Add	13.58	
				For Occupancy Controlled Dimming Option, Add	27.17	
				For Photocell (Inhibit Mode Only) Option, Add	16.30	
				For Low Voltage Relay Option, Add	16.30	
				For Photocell Option With Dimming Capability, Add	40.76	
26 09 23 00-0495	EA			Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10) .....	226.35	23.51
				For Low Temp/High Humidity Option, Add	13.58	
				For Occupancy Controlled Dimming Option, Add	27.17	
				For Photocell (Inhibit Mode Only) Option, Add	16.30	
				For Low Voltage Relay Option, Add	16.30	
				For Photocell Option With Dimming Capability, Add	40.76	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0496 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10) .....	226.35	23.51
For Low Temp/High Humidity Option, Add	13.58	
For Occupancy Controlled Dimming Option, Add	27.17	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
For Low Voltage Relay Option, Add	16.30	
For Photocell Option With Dimming Capability, Add	40.76	
26 09 23 00-0497 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10) .....	241.30	23.51
For Low Temp/High Humidity Option, Add	13.58	
For Occupancy Controlled Dimming Option, Add	27.17	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
For Photocell Option With Dimming Capability, Add	40.76	
26 09 23 00-0498 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10) .....	241.30	23.51
For Low Temp/High Humidity Option, Add	13.58	
For Occupancy Controlled Dimming Option, Add	27.17	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
For Photocell Option With Dimming Capability, Add	40.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0499 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10) .....	193.48	23.51
For Low Temp/High Humidity Option, Add	13.58	
For Occupancy Controlled Dimming Option, Add	27.17	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
For Photocell Option With Dimming Capability, Add	40.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0500 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P) .....	301.07	23.51
For Low Temp/High Humidity Option, Add	13.58	
For Photocell Option With Dual Zone On/Off, Add	40.76	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0501 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P) .....	301.07	23.51
For Low Temp/High Humidity Option, Add	13.58	
For Photocell Option With Dual Zone On/Off, Add	40.76	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0502 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P) .....	253.25	23.51
For Low Temp/High Humidity Option, Add	13.58	
For Photocell Option With Dual Zone On/Off, Add	40.76	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
<b>26 09 23 00-0503 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch)<sup>(26)</sup></b>		
<small>09 23 00-0483</small>		
Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0504 EA Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9) .....	286.13	23.51
For Low Temp/High Humidity Option, Add	13.58	
For Occupancy Controlled Dimming Option, Add	27.17	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
For Low Voltage Relay Option, Add	16.30	
For Photocell Option With Dimming Capability, Add	40.76	
26 09 23 00-0505 EA Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9) .....	286.13	23.51
For Low Temp/High Humidity Option, Add	13.58	
For Occupancy Controlled Dimming Option, Add	27.17	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
For Low Voltage Relay Option, Add	16.30	
For Photocell Option With Dimming Capability, Add	40.76	
26 09 23 00-0506 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9) .....	286.13	23.51
For Low Temp/High Humidity Option, Add	13.58	
For Occupancy Controlled Dimming Option, Add	27.17	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
For Low Voltage Relay Option, Add	16.30	
For Photocell Option With Dimming Capability, Add	40.76	
26 09 23 00-0507 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9) .....	271.18	23.51
For Low Temp/High Humidity Option, Add	13.58	
For Occupancy Controlled Dimming Option, Add	27.17	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
For Photocell Option With Dimming Capability, Add	40.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0508 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9) .....	271.18	23.51
For Low Temp/High Humidity Option, Add	13.58	
For Occupancy Controlled Dimming Option, Add	27.17	
For Photocell (Inhibit Mode Only) Option, Add	16.30	
For Photocell Option With Dimming Capability, Add	40.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0509 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9) .....	223.36	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Occupancy Controlled Dimming Option, Add</i>	27.17	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.30	
<i>For Photocell Option With Dimming Capability, Add</i>	40.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0510 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P).....	330.96	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	40.76	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0511 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P).....	330.96	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	40.76	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0512 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P).....	283.14	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	40.76	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0513 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10).....	286.13	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Occupancy Controlled Dimming Option, Add</i>	27.17	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.30	
<i>For Low Voltage Relay Option, Add</i>	16.30	
<i>For Photocell Option With Dimming Capability, Add</i>	40.76	
26 09 23 00-0514 EA Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10).....	286.13	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Occupancy Controlled Dimming Option, Add</i>	27.17	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.30	
<i>For Low Voltage Relay Option, Add</i>	16.30	
<i>For Photocell Option With Dimming Capability, Add</i>	40.76	
26 09 23 00-0515 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10).....	286.13	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Occupancy Controlled Dimming Option, Add</i>	27.17	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.30	
<i>For Low Voltage Relay Option, Add</i>	16.30	
<i>For Photocell Option With Dimming Capability, Add</i>	40.76	
26 09 23 00-0516 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10).....	271.18	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Occupancy Controlled Dimming Option, Add</i>	27.17	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.30	
<i>For Photocell Option With Dimming Capability, Add</i>	40.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0517 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10).....	271.18	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Occupancy Controlled Dimming Option, Add</i>	27.17	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.30	
<i>For Photocell Option With Dimming Capability, Add</i>	40.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0518 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10).....	223.36	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Occupancy Controlled Dimming Option, Add</i>	27.17	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.30	
<i>For Photocell Option With Dimming Capability, Add</i>	40.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0519 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P).....	330.96	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	40.76	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0520 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P).....	330.96	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	40.76	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0521 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P).....	283.14	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	40.76	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	16.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 09 23 00-0522	Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0459)</small>		
26 09 23 00-0523	Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0522)</small>		
26 09 23 00-0524	EA Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16).....	226.35	23.51
	For Ceiling Mount, Add	27.17	
	For Low Temp/High Humidity Option, Add	13.58	
	For Photocell (Inhibit Mode Only) Option, Add	16.30	
	For Low Voltage Relay Option, Add	16.30	
26 09 23 00-0525	EA Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13).....	256.24	23.51
	For Ceiling Mount, Add	27.17	
	For Low Temp/High Humidity Option, Add	13.58	
	For Photocell (Inhibit Mode Only) Option, Add	16.30	
	For Low Voltage Relay Option, Add	16.30	
26 09 23 00-0526	EA Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13).....	316.01	23.51
	For Ceiling Mount, Add	27.17	
	For Low Temp/High Humidity Option, Add	13.58	
26 09 23 00-0527	EA Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16).....	301.07	23.51
	For Ceiling Mount, Add	27.17	
	For Low Temp/High Humidity Option, Add	13.58	
	For Photocell (Inhibit Mode Only) Option, Add	16.30	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0528	EA 2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....	360.84	23.51
	For Ceiling Mount, Add	27.17	
	For Low Temp/High Humidity Option, Add	13.58	
	For Photocell (Inhibit Mode Only) Option, Add	16.30	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0529	Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0522)</small>		
	Note: Includes passive infrared and microphonics detection		
26 09 23 00-0530	EA Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16) .....	286.13	23.51
	For Ceiling Mount, Add	27.17	
	For Low Temp/High Humidity Option, Add	13.58	
	For Photocell (Inhibit Mode Only) Option, Add	16.30	
	For Low Voltage Relay Option, Add	16.30	
26 09 23 00-0531	EA Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16) .....	330.96	23.51
	For Ceiling Mount, Add	27.17	
	For Low Temp/High Humidity Option, Add	13.58	
	For Photocell (Inhibit Mode Only) Option, Add	16.30	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0532	EA 2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P).....	390.73	23.51
	For Ceiling Mount, Add	27.17	
	For Low Temp/High Humidity Option, Add	13.58	
	For Photocell (Inhibit Mode Only) Option, Add	16.30	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0533	High Bay Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0459)</small>		
26 09 23 00-0534	Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0533)</small>		
26 09 23 00-0535	EA Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6) .....	226.35	23.51
	For Low Temp/High Humidity Option, Add	13.58	
	For Occupancy Controlled Dimming Option, Add	27.17	
	For Photocell Option, Add	27.17	
	For Low Voltage Relay Option, Add	16.30	
26 09 23 00-0536	EA Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6) .....	226.35	23.51
	For Low Temp/High Humidity Option, Add	13.58	
	For Occupancy Controlled Dimming Option, Add	27.17	
	For Photocell Option, Add	27.17	
	For Low Voltage Relay Option, Add	16.30	
26 09 23 00-0537	EA Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6) .....	226.35	23.51
	For Low Temp/High Humidity Option, Add	13.58	
	For Occupancy Controlled Dimming Option, Add	27.17	
	For Photocell Option, Add	27.17	
	For Low Voltage Relay Option, Add	16.30	
26 09 23 00-0538	EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6) .....	193.48	23.51
	For Low Temp/High Humidity Option, Add	13.58	
	For Occupancy Controlled Dimming Option, Add	27.17	
	For Start To High, HID Option, Add	16.30	
	For Photocell Option, Add	27.17	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0539 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6).....	193.48	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Occupancy Controlled Dimming Option, Add</i>	27.17	
<i>For Start To High, HID Option, Add</i>	16.30	
<i>For Photocell Option, Add</i>	27.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0540 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6).....	193.48	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Occupancy Controlled Dimming Option, Add</i>	27.17	
<i>For Start To High, HID Option, Add</i>	16.30	
<i>For Photocell Option, Add</i>	27.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0541 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P).....	253.25	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Photocell Option, Add</i>	27.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0542 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P).....	253.25	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Photocell Option, Add</i>	27.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0543 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P).....	253.25	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Photocell Option, Add</i>	27.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0544 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208).....	214.40	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Photocell Option, Add</i>	27.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0545 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208).....	214.40	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Photocell Option, Add</i>	27.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0546 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208).....	214.40	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Photocell Option, Add</i>	27.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0547 EA 480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480).....	214.40	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Photocell Option, Add</i>	27.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0548 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480).....	214.40	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Photocell Option, Add</i>	27.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0549 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480).....	214.40	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Photocell Option, Add</i>	27.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0550 EA Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50).....	256.24	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Occupancy Controlled Dimming Option, Add</i>	27.17	
<i>For Low Voltage Relay Option, Add</i>	16.30	
26 09 23 00-0551 EA Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50).....	256.24	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Occupancy Controlled Dimming Option, Add</i>	27.17	
<i>For Low Voltage Relay Option, Add</i>	16.30	
26 09 23 00-0552 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50).....	256.24	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Occupancy Controlled Dimming Option, Add</i>	27.17	
<i>For Photocell Option, Add</i>	27.17	
<i>For Low Voltage Relay Option, Add</i>	16.30	
26 09 23 00-0553 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50).....	313.02	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Occupancy Controlled Dimming Option, Add</i>	27.17	
<i>For Start To High, HID Option, Add</i>	16.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0554 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50).....	313.02	23.51
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Occupancy Controlled Dimming Option, Add</i>	27.17	
<i>For Start To High, HID Option, Add</i>	16.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0555	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50).....	313.02	23.51
			<i>For Low Temp/High Humidity Option, Add</i>	13.58	
			<i>For Occupancy Controlled Dimming Option, Add</i>	27.17	
			<i>For Start To High, HID Option, Add</i>	16.30	
			<i>For Photozell Option, Add</i>	27.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0556	EA		2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P).....	274.17	23.51
			<i>For Low Temp/High Humidity Option, Add</i>	13.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0557	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P).....	274.17	23.51
			<i>For Low Temp/High Humidity Option, Add</i>	13.58	
			<i>For Photozell Option, Add</i>	27.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0558	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208).....	229.34	23.51
			<i>For Low Temp/High Humidity Option, Add</i>	13.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0559	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208).....	229.34	23.51
			<i>For Low Temp/High Humidity Option, Add</i>	13.58	
			<i>For Photozell Option, Add</i>	27.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0560	EA		480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480).....	229.34	23.51
			<i>For Low Temp/High Humidity Option, Add</i>	13.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0561	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480).....	229.34	23.51
			<i>For Low Temp/High Humidity Option, Add</i>	13.58	
			<i>For Photozell Option, Add</i>	27.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0562	EA		Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10).....	256.24	23.51
			<i>For Low Temp/High Humidity Option, Add</i>	13.58	
			<i>For Occupancy Controlled Dimming Option, Add</i>	27.17	
			<i>For Low Voltage Relay Option, Add</i>	16.30	
26 09 23 00-0563	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10).....	256.24	23.51
			<i>For Low Temp/High Humidity Option, Add</i>	13.58	
			<i>For Occupancy Controlled Dimming Option, Add</i>	27.17	
			<i>For Low Voltage Relay Option, Add</i>	16.30	
26 09 23 00-0564	EA		Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10).....	313.02	23.51
			<i>For Low Temp/High Humidity Option, Add</i>	13.58	
			<i>For Occupancy Controlled Dimming Option, Add</i>	27.17	
			<i>For Start To High, HID Option, Add</i>	16.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0565	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10).....	313.02	23.51
			<i>For Low Temp/High Humidity Option, Add</i>	13.58	
			<i>For Occupancy Controlled Dimming Option, Add</i>	27.17	
			<i>For Start To High, HID Option, Add</i>	16.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0566	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P).....	301.07	23.51
			<i>For Low Temp/High Humidity Option, Add</i>	13.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0567	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480).....	271.18	23.51
			<i>For Low Temp/High Humidity Option, Add</i>	13.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0568	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208).....	271.18	23.51
			<i>For Low Temp/High Humidity Option, Add</i>	13.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
<b>26 09 23 00-0569</b>			<b>Occupancy Sensor Power Packs (Sensor Switch)</b> (26 09 23 00-0458)		
26 09 23 00-0570	EA		Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20).....	125.49	20.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	
26 09 23 00-0571	EA		2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P).....	185.27	20.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	
26 09 23 00-0572	EA		Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20).....	95.61	20.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	
26 09 23 00-0573	EA		2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20).....	86.64	20.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	
26 09 23 00-0574	EA		20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20).....	116.53	20.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0575 EA 120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH) .....	191.25	20.90
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	
26 09 23 00-0576 EA 120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR) .....	191.25	20.90
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	
26 09 23 00-0577 EA 120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM) .....	191.25	20.90
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	
<b>26 09 23 00-0578 Daylighting Control (Sensor Switch) <small>(26 09 23 00-0458)</small></b>		
26 09 23 00-0579 EA Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC) .....	196.47	23.51
<i>For Dual Zone Option, Add</i>	40.76	
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
26 09 23 00-0580 EA Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC) .....	196.47	23.51
<i>For Dual Zone Option, Add</i>	40.76	
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
26 09 23 00-0581 EA Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC) .....	196.47	23.51
<i>For Dual Zone Option, Add</i>	40.76	
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
26 09 23 00-0582 EA Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC) .....	196.47	23.51
<i>For Dual Zone Option, Add</i>	40.76	
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For 480 Volt AC Option, Add</i>	19.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0583 EA Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC) .....	196.47	23.51
<i>For Dual Zone Option, Add</i>	40.76	
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For 480 Volt AC Option, Add</i>	19.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0584 EA Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC) .....	196.47	23.51
<i>For Dual Zone Option, Add</i>	40.76	
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For 480 Volt AC Option, Add</i>	19.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0585 EA Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC) .....	196.47	23.51
<i>For Dual Zone Option, Add</i>	40.76	
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
26 09 23 00-0586 EA Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC) .....	196.47	23.51
<i>For Dual Zone Option, Add</i>	40.76	
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
26 09 23 00-0587 EA Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC) .....	196.47	23.51
<i>For Dual Zone Option, Add</i>	40.76	
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
26 09 23 00-0588 EA Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC) .....	196.47	23.51
<i>For Dual Zone Option, Add</i>	40.76	
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0589 EA Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC) .....	196.47	23.51
<i>For Dual Zone Option, Add</i>	40.76	
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0590 EA Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC) .....	196.47	23.51
<i>For Dual Zone Option, Add</i>	40.76	
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0591 EA Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC) .....	286.13	23.51
<i>For Dual Zone Option, Add</i>	40.76	
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
26 09 23 00-0592 EA Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC) .....	286.13	23.51
<i>For Dual Zone Option, Add</i>	40.76	
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
26 09 23 00-0593 EA Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC) .....	286.13	23.51
<i>For Dual Zone Option, Add</i>	40.76	
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
26 09 23 00-0594 EA Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC) .....	286.13	23.51
<i>For Dual Zone Option, Add</i>	40.76	
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0595 EA Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC) .....	286.13	23.51
<i>For Dual Zone Option, Add</i>	40.76	
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0596 EA Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC) .....	286.13	23.51
<i>For Dual Zone Option, Add</i>	40.76	
<i>For Low Temp/High Humidity Option, Add</i>	13.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0597			Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23)</small> Note: Includes testing of new devices and certification.		
26 09 23 00-0598			Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0597)</small> Note: Excludes boxes.		
26 09 23 00-0599			Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0598)</small>		
26 09 23 00-0600			Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0599)</small> Note: Includes passive infrared and microphonics detection		
26 09 23 00-0601	EA		Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	312.69	10.45
26 09 23 00-0602			360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0598)</small>		
26 09 23 00-0603			Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0602)</small> Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0604	EA		Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	367.67	23.51
26 09 23 00-0605	EA		Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	367.67	23.51
26 09 23 00-0606	EA		Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC).....	367.67	23.51
26 09 23 00-0607			Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0602)</small> Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0608	EA		Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	431.80	23.51
26 09 23 00-0609	EA		Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	431.80	23.51
26 09 23 00-0610	EA		2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	447.81	23.51
26 09 23 00-0611			Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0598)</small>		
26 09 23 00-0612			Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0611)</small> Note: Includes passive infrared and microphonics detection		
26 09 23 00-0613	EA		Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16).....	431.80	23.51
26 09 23 00-0614			High Bay Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0598)</small>		
26 09 23 00-0615			Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0614)</small>		
26 09 23 00-0616	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6).....	367.67	23.51
26 09 23 00-0617			Occupancy Sensor Power Packs (Sensor Switch nLight®) <small>(26 09 23 00-0597)</small>		
26 09 23 00-0618	EA		150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	121.97	20.90
26 09 23 00-0619	EA		250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	154.06	20.90
26 09 23 00-0620	EA		30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO).....	208.54	20.90
26 09 23 00-0621	EA		System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16).....	208.54	20.90
26 09 23 00-0622			Occupancy Sensor Accessories (Sensor Switch nLight®) <small>(26 09 23 00-0597)</small>		
26 09 23 00-0623	EA		RS232 AV Integrator (Sensor Switch nLight® nIO X).....	447.81	23.51
26 09 23 00-0624	EA		8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT).....	359.45	23.51
26 09 23 00-0625			Daylighting Controls (Sensor Switch nLight®) <small>(26 09 23 00-0597)</small>		
26 09 23 00-0626	EA		Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC).....	303.55	23.51
26 09 23 00-0627			Controls (Sensor Switch nLight®) <small>(26 09 23 00-0597)</small>		
26 09 23 00-0628	EA		On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	197.74	23.51
26 09 23 00-0629	EA		1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB).....	287.54	23.51
26 09 23 00-0630	EA		On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM).....	672.29	23.51
26 09 23 00-0631	EA		3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX).....	672.29	23.51



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 09 23 00-0632	EA		3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	2,532.02	23.51
<b>26 09 23 00-0633</b>	<b>Occupancy Sensors (Lutron) <small>(26 09 23)</small></b>					
	Note: Includes testing of new devices and certification.					
<b>26 09 23 00-0634</b>	<b>Wireless Occupancy Sensors <small>(26 09 23 00-0633)</small></b>					
	26 09 23 00-0635	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH) .....	145.69	23.51
	26 09 23 00-0636	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH) .....	152.32	23.51
	26 09 23 00-0637	EA		Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH) .....	147.26	23.51
	26 09 23 00-0638	EA		Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH).....	156.03	23.51
	26 09 23 00-0639	EA		Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH) .....	149.23	23.51
	26 09 23 00-0640	EA		Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH).....	156.03	23.51
	26 09 23 00-0641	EA		Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH) .....	145.69	23.51
	26 09 23 00-0642	EA		Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH).....	149.23	23.51
	26 09 23 00-0643	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V) .....	147.26	23.51
	26 09 23 00-0644	EA		Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH) .....	229.82	23.51
	26 09 23 00-0645	EA		Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	245.55	23.51
	26 09 23 00-0646	EA		Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH) .....	280.93	23.51
	26 09 23 00-0647	EA		Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	296.65	23.51
	26 09 23 00-0648	EA		Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH) .....	304.52	23.51
	26 09 23 00-0649	EA		Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	320.24	23.51
	26 09 23 00-0650	EA		Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH) .....	180.29	23.51
	26 09 23 00-0651	EA		Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH) .....	190.51	23.51
	26 09 23 00-0652	EA		Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH) .....	223.92	23.51
	26 09 23 00-0653	EA		Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH) .....	249.48	23.51
	26 09 23 00-0654	EA		Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH) .....	269.13	23.51
	26 09 23 00-0655	EA		Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH) .....	231.79	23.51
	26 09 23 00-0656	EA		Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH).....	212.69	23.51
	26 09 23 00-0657	EA		Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH) .....	177.17	23.51
	26 09 23 00-0658	EA		Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH) .....	219.06	23.51
	26 09 23 00-0659	EA		Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C).....	266.90	23.51
	26 09 23 00-0660	EA		Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H) .....	283.55	23.51
	26 09 23 00-0661	EA		Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K).....	283.55	23.51
	26 09 23 00-0662	EA		Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W) .....	283.55	23.51
	26 09 23 00-0663	EA		Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V).....	298.80	23.51
	26 09 23 00-0664	EA		Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W).....	485.47	33.96
<b>26 09 23 00-0665</b>	<b>Nodes And Modules <small>(26 09 23 00-0633)</small></b>					
	26 09 23 00-0666	EA		0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C) .....	239.65	23.51
	26 09 23 00-0667	EA		0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J) .....	239.65	23.51
	26 09 23 00-0668	EA		4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C) .....	304.52	23.51
	26 09 23 00-0669	EA		4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J) .....	304.52	23.51
	26 09 23 00-0670	EA		120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH).....	390.33	26.13
	26 09 23 00-0671	EA		120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH).....	390.33	26.13
	26 09 23 00-0672	EA		120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH) .....	474.87	26.13
	26 09 23 00-0673	EA		120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH) .....	486.65	26.13
	26 09 23 00-0674	EA		120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH).....	602.63	26.13
	26 09 23 00-0675	EA		120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH) .....	639.98	26.13
	26 09 23 00-0676	EA		120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH).....	677.32	26.13
	26 09 23 00-0677	EA		1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2).....	1,837.99	41.81
	26 09 23 00-0678	EA		2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4).....	1,804.22	47.03
	26 09 23 00-0679	EA		3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6).....	2,650.10	52.25
<b>26 09 23 00-0680</b>	<b>Other Accessories <small>(26 09 23 00-0633)</small></b>					
	26 09 23 00-0681	EA		Pico® Wireless Control Wallplate Adapter (Lutron® PJ) .....	36.12	
	26 09 23 00-0682	EA		Pico® Wireless Control (Lutron® PJ) .....	49.84	
	26 09 23 00-0683	EA		4-Scene Wireless Remote Control (Lutron® GRX-IT-WH) .....	148.03	
	26 09 23 00-0684	EA		8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH) .....	283.66	
	26 09 23 00-0685	EA		4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL).....	293.18	23.51
	26 09 23 00-0686	EA		seeTouch® QS Wallstation (Lutron® QSW52) .....	372.85	23.51
	26 09 23 00-0687	EA		seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSW52) .....	372.85	23.51

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0688	EA		120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S).....	614.42	26.13
26 09 23 00-0689	EA		120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S) .....	844.41	26.13
26 09 23 00-0690	EA		Control Interface (Lutron® QSE-CI-NWK-E).....	1,018.07	23.51
26 09 23 00-0691	EA		1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S) .....	1,010.23	23.51
26 09 23 00-0692	EA		2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S) .....	1,354.22	23.51
26 09 23 00-0693	MLF		5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S) .....	2,050.04	730.18
26 09 23 00-0694	MLF		5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S) .....	2,836.32	730.18
<b>26 09 23 00-0695</b>			<b>Wired Occupancy Sensors</b> <small>(26 09 23 00-0633)</small>		
26 09 23 00-0696	EA		120 Volt, Dimmer With Occupancy Sensor (Lutron® MS-OP600M) .....	115.20	26.13
26 09 23 00-0697	EA		120 Volt, Eco-dim Dimmer With Occupancy Sensor (Lutron® MS-OP600GHW) .....	121.31	26.13
26 09 23 00-0698	EA		120 Volt, Dimmer With Vacancy Sensor (Lutron® MS-VP600M).....	115.20	26.13
26 09 23 00-0699	EA		120 Volt, Eco-dim Dimmer With Vacancy Sensor (Lutron® MS-VP600GHW).....	121.31	26.13
26 09 23 00-0700	EA		120 Volt, Occupancy Sensor Switch (Lutron® MS-OPS2) .....	85.94	26.13
26 09 23 00-0701	EA		120 Volt, 3-Way Occupancy Sensor Switch (Lutron® MS-OPS5M) .....	103.16	26.13
26 09 23 00-0702	EA		120 Volt, 3-Way Occupancy Sensor With Dual Voltage Switch (Lutron® MS-OPS6M2-DV).....	147.15	26.13
26 09 23 00-0703	EA		120 Volt, 3-Way Occupancy Sensor With Dual Voltage Switch (Lutron® MS-OPS6M2N-DV) .....	129.02	26.13
26 09 23 00-0704	EA		120 Volt, Vacancy Sensor Switch (Lutron® MS-VPS2) .....	83.63	26.13
26 09 23 00-0705	EA		120 Volt, 3-Way Vacancy Sensor Switch (Lutron® MS-VPS5M) .....	103.16	26.13
26 09 23 00-0706	EA		120 Volt, 3-Way Vacancy Sensor With Dual Voltage Switch (Lutron® MS-VPS6M2-DV) .....	140.38	26.13
26 09 23 00-0707	EA		120 Volt, 3-Way Vacancy Sensor With Dual Voltage Switch (Lutron® MS-VPS6M2N-DV).....	117.36	26.13
<b>26 09 23 00-0708</b>			<b>Fixture Mounted Occupancy Sensors (Leviton)</b> <small>(26 09 23)</small>		
			Note: Includes testing of new devices and certification.		
26 09 23 00-0709	EA		120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW) .....	139.40	23.51
26 09 23 00-0710	EA		480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W) .....	121.31	23.51
26 09 23 00-0711	EA		120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW).....	154.34	23.51
26 09 23 00-0712	EA		480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W) .....	121.31	23.51
26 09 23 00-0713	EA		120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT) .....	208.27	10.43
<b>26 09 23 00-0714</b>			<b>Wireless Enabled Communication Devices For Streetlights</b> <small>(26 09 23)</small>		
			Note: Includes testing of new devices and certification.		
<b>26 09 23 00-0715</b>			<b>Wireless Enabled Communication Nodes For Streetlights (Roam®)</b> <small>(26 09 23 00-0714)</small>		
26 09 23 00-0716	EA		120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1).....	318.94	
26 09 23 00-0717	EA		480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1).....	447.20	
<b>26 09 23 00-0718</b>			<b>Wireless Enabled Communication Devices For Streetlights (Roam®)</b> <small>(26 09 23 00-0714)</small>		
26 09 23 00-0719	EA		Retrofit Receptacle Kit (Roam® DUR103) .....	52.82	
			Note: For adapting light fixtures for use with a NEMA locking type photocontrol.		
26 09 23 00-0720	EA		Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127) .....	12,947.17	60.71
<b>26 09 23 00-0721</b>			<b>Counter Mounted Consoles</b> <small>(26 09 23)</small>		
26 09 23 00-0722	EA		20" x 24" Type 12, Oil Tight Consoles, Counter Mounted (Schaefer's SPCL-20C24).....	603.45	130.38
<b>26 09 23 00-0723</b>			<b>Lighting Console And Stations</b> <small>(26 09 23)</small>		
26 09 23 00-0724	EA		80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40).....	4,548.07	130.38
			For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add	99.14	
			For Lighting Console Case (ETC ColorSourcePart 11866), Add	1,057.08	
26 09 23 00-0725	EA		10 Preset, Lighting Control Station (Doug Fleener PRE10-A2) .....	3,144.03	78.23
<b>26 09 23 00-0726</b>			<b>Theatre Lighting Console</b> <small>(26 09 23)</small>		
26 09 23 00-0727	EA		Theatre Lighting Console (ETC Colorsources 20) .....	3,251.77	156.46
<b>26 09 23 00-0728</b>			<b>Outdoor Lighting Controls</b> <small>(26 09 23)</small>		
26 09 23 00-0729	EA		1 Channel 365 Day Outdoor Lighting Control Tork #DZS-100.....	838.29	104.31
26 09 23 00-0730	EA		2 Channel 365 Day Outdoor Lighting Control Tork #DZS-200.....	999.43	104.31
26 09 23 00-0731	EA		Astro 365 Day Outdoor Lighting Control Tork #DZS-400A .....	1,750.59	104.31
26 09 23 00-0732	EA		4 Circuit, 120 Volt, 10 Amperes, Timer Tork #K400Z.....	2,274.53	52.15
26 09 23 00-0733	EA		6 Circuit, 120 Volt, 10 Amperes, Timer (Tork #K600Z) .....	3,107.14	52.15
26 09 23 00-0734	EA		8 Circuit, 120 Volt, 10 Amperes, Timer (Tork #K800Z) .....	3,636.34	52.15
26 09 23 00-0735	EA		SPST, 120 Volt Photoelectric Control Tork #2101 .....	84.78	27.12
26 09 23 00-0736	EA		SPST, 208/277 Volt Photoelectric Control Tork #2104 .....	92.92	27.12
26 09 23 00-0737	EA		SPST, 120 Volt Photoelectric Control Tork #2105 .....	114.00	27.12
26 09 23 00-0738	EA		120-277 Volt, 2,000 Watt Photoelectric Control Tork #2107 .....	106.70	27.12
<b>26 09 23 00-0739</b>			<b>Emergency Lighting Controls</b> <small>(26 09 23)</small>		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0740		<b>Emergency Lighting Control Units (Watt Stopper ELCU)</b> <small>(26 09 23 00-0739)</small> Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0741	EA	DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100) .....	188.98	26.13
26 09 23 00-0742	EA	1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200) .....	188.98	26.13
26 09 23 00-0743		<b>Emergency Shunt Relays (Lighting Control &amp; Design GR 2001™)</b> <small>(26 09 23 00-0739)</small> Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0744	EA	1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™) .....	362.82	36.58
26 09 23 00-0745	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™) .....	497.26	41.81
26 09 23 00-0746	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual) .....	673.36	47.03
		Note: Controls normal and emergency lighting from single-pole wall switch.		
26 09 23 00-0747		<b>Photocells</b> <small>(26 09 23)</small>		
26 09 23 00-0748	EA	Plug-In Photocell For Lighting Fixtures (Intermac® LC2000) .....	84.65	
26 09 23 00-0749	EA	Wired Photocell For Lighting Fixtures (Intermac® K4021C) .....	187.46	
26 09 23 00-0750		<b>Outdoor Lighting Motion Sensors</b> <small>(26 09 23)</small>		
26 09 23 00-0751	EA	70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000) .....	114.48	26.13
26 09 23 00-0752	EA	70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000) .....	125.76	26.13
26 09 23 00-0753	EA	30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR) .....	544.65	26.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.68	
26 09 23 00-0754		<b>Street Light Controls</b> <small>(26 09 23)</small>		
26 09 23 00-0755		<b>Photo Controls</b> <small>(26 09 23 00-0754)</small>		
26 09 23 00-0756	EA	Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014 .....	90.26	
26 09 23 00-0757	EA	Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016 .....	104.66	
26 09 23 00-0758		<b>Connector Node</b> <small>(26 09 23 00-0754)</small>		
26 09 23 00-0759	EA	Outdoor Lighting Connector Node (Philips City Touch LLC7260) .....	495.43	2.98
<b>26 10 Medium-Voltage Electrical Distribution</b> <small>(26 10)</small>				
<b>26 11 Substations</b> <small>(26 10)</small>				
<b>26 11 13 Primary Unit Substations</b> <small>(26 11)</small>				
26 11 13 00-0001		"Switchyard" Substation Primary Incoming Section <small>(26 11 13)</small>		
26 11 13 00-0002		<b>Outdoor Oil Circuit Breakers "Switchyard"</b> <small>(26 11 13 00-0001)</small> Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment		
26 11 13 00-0003	EA	14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation .....	55,579.38	1,826.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,114.54	
26 11 13 00-0004	EA	23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation .....	68,177.62	2,309.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,393.17	
26 11 13 00-0005	EA	34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation .....	77,253.86	2,309.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,393.17	
26 11 13 00-0006	EA	46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation .....	88,844.53	2,309.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,486.05	
26 11 13 00-0007	EA	69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation .....	100,792.08	2,846.78
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,714.68	
26 11 13 00-0008		<b>Accessories For Outdoor Oil Circuit Breakers</b> <small>(26 11 13 00-0001)</small>		
26 11 13 00-0009	EA	Reclosure Relay, Adjustable, 3 Shot, #179 .....	1,511.70	190.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.85	
26 11 13 00-0010	EA	Overcurrent Relay, 1 Phase, #51/51N .....	473.62	138.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.26	
26 11 13 00-0011	EA	Directional Overcurrent Relay, Three-Phase, Device No. 67 .....	712.22	138.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.78	
26 11 13 00-0012	EA	Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase .....	563.15	138.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.26	
26 11 13 00-0013	EA	Differential Relay Package, Complete, Device No. 87 .....	2,106.63	466.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	281.94	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0014			"Switchyard", Substation Transformer Section <sup>(26 11 13)</sup> Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range		
26 11 13 00-0015			14.4 KV Nominal Primary <sup>(26 11 13 00-0014)</sup>		
26 11 13 00-0016	EA		1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i>	31,966.08 4,237.64 3,531.37 282.51 3,390.11 847.53 1,412.55 3,390.11	1,826.23
26 11 13 00-0017	EA		2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i>	36,538.04 4,784.12 3,986.77 318.94 3,827.30 956.82 1,594.71 3,827.30	2,288.16
26 11 13 00-0018	EA		5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i>	56,233.49 7,444.32 6,203.60 496.29 1,488.86 2,481.44 5,955.46 5,955.46	3,222.77
26 11 13 00-0019	EA		7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For External Control Panel, Add</i> <i>For Forced Air Cooling, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i>	81,687.43 10,977.26 9,147.72 731.82 2,195.45 8,781.81 3,659.09 8,781.81	3,943.56
26 11 13 00-0020	EA		10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i>	100,637.32 13,500.78 11,250.65 900.05 2,700.16 4,500.26 10,800.62 10,800.62	5,103.43
26 11 13 00-0021			23 KV Nominal Primary <sup>(26 11 13 00-0014)</sup>		
26 11 13 00-0022	EA		1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i>	35,720.66 4,661.51 3,884.59 310.77 932.30 1,553.84 3,729.21 2,486.14	2,470.79
26 11 13 00-0023	EA		2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i>	40,773.52 5,274.87 4,395.72 351.66 1,054.97 1,758.29 4,219.89 2,813.26	2,470.79
26 11 13 00-0024	EA		5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i>	65,470.78 8,706.08 7,255.07 580.41 4,643.24 1,741.22 2,902.03 6,964.86	3,652.47
26 11 13 00-0025	EA		7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For Forced Air Cooling, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For External Control Panel, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For 50 Hz Operation, Add</i>	88,019.76 6,191.01 11,608.14 9,673.45 773.88 2,321.63 3,869.38 9,286.51	5,103.43





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0026 EA 10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	109,049.04	5,103.43
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,762.54	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,302.11	
For Internally Mounted Current Transformers And Linear Couplers, Add	984.17	
For External Control Panel, Add	2,952.51	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,920.85	
For 50 Hz Operation, Add	11,810.03	
For Forced Air Cooling, Add	7,873.35	
<b>26 11 13 00-0027 34.5 KV Nominal Primary (26 11 13 00-0014)</b>		
26 11 13 00-0028 EA 1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	44,862.54	2,954.20
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,888.22	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,906.85	
For Internally Mounted Current Transformers And Linear Couplers, Add	392.55	
For External Control Panel, Add	1,177.64	
For Forced Air Cooling, Add	3,140.38	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,962.74	
For 50 Hz Operation, Add	4,710.58	
26 11 13 00-0029 EA 2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	54,187.64	4,619.29
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,114.93	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,929.11	
For Internally Mounted Current Transformers And Linear Couplers, Add	474.33	
For External Control Panel, Add	1,422.99	
For Forced Air Cooling, Add	3,794.63	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,371.64	
For 50 Hz Operation, Add	5,691.94	
26 11 13 00-0030 EA 5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	74,899.34	4,619.29
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,841.73	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,201.44	
For Internally Mounted Current Transformers And Linear Couplers, Add	656.12	
For External Control Panel, Add	1,968.35	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,280.58	
For 50 Hz Operation, Add	7,873.38	
For Forced Air Cooling, Add	5,248.92	
26 11 13 00-0031 EA 7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	96,431.42	4,987.44
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,869.89	
For Forced Air Cooling, Add	6,863.94	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,724.91	
For Internally Mounted Current Transformers And Linear Couplers, Add	857.99	
For External Control Panel, Add	2,573.98	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,289.96	
For 50 Hz Operation, Add	10,295.91	
26 11 13 00-0032 EA 10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	166,702.17	6,379.28
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	22,963.95	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	19,136.63	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,530.93	
For Forced Air Cooling, Add	12,247.44	
For External Control Panel, Add	4,592.79	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,654.65	
For 50 Hz Operation, Add	18,371.16	
<b>26 11 13 00-0033 46 KV Nominal Primary (26 11 13 00-0014)</b>		
26 11 13 00-0034 EA 1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	68,853.48	3,437.62
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,314.81	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,762.34	
For Internally Mounted Current Transformers And Linear Couplers, Add	620.99	
For Forced Air Cooling, Add	4,967.90	
For External Control Panel, Add	1,862.96	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,104.94	
For 50 Hz Operation, Add	7,451.84	
26 11 13 00-0035 EA 2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	77,832.51	3,437.62
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,560.34	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,800.28	
For Internally Mounted Current Transformers And Linear Couplers, Add	704.02	
For Forced Air Cooling, Add	5,632.18	
For External Control Panel, Add	2,112.07	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,520.11	
For 50 Hz Operation, Add	8,448.27	
26 11 13 00-0036 EA 5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	107,848.02	4,619.29
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,784.03	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,320.02	
For Internally Mounted Current Transformers And Linear Couplers, Add	985.60	
For External Control Panel, Add	2,956.81	
For Forced Air Cooling, Add	7,884.82	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,928.01	
For 50 Hz Operation, Add	11,827.22	
26 11 13 00-0037 EA 7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	132,040.77	6,379.28
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	17,764.74	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	14,803.95	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,184.32	
For External Control Panel, Add	3,552.95	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,921.58	
For 50 Hz Operation, Add	14,211.80	
For Forced Air Cooling, Add	9,474.53	

<b>26</b>	<b>Electrical</b>
<b>26 10</b>	<b>Medium-Voltage Electrical Distribution</b>
<b>26 11</b>	<b>Substations</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0038 EA 10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	187,783.55	6,379.28
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	26,126.16	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	21,771.80	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,741.74	
For External Control Panel, Add	5,225.23	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	8,708.72	
For 50 Hz Operation, Add	20,900.93	
For Forced Air Cooling, Add	13,933.95	
<b>26 11 13 00-0039 69 KV Nominal Primary (26 11 13 00-0014)</b>		
26 11 13 00-0040 EA 1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	99,184.50	3,652.47
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,763.14	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,469.28	
For Internally Mounted Current Transformers And Linear Couplers, Add	917.54	
For Forced Air Cooling, Add	7,340.34	
For External Control Panel, Add	2,752.63	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,587.71	
For 50 Hz Operation, Add	11,010.51	
26 11 13 00-0041 EA 2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	113,893.71	4,619.29
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	15,690.88	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	13,075.74	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,046.06	
For Forced Air Cooling, Add	8,368.47	
For External Control Panel, Add	3,138.18	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,230.29	
For 50 Hz Operation, Add	12,552.71	
26 11 13 00-0042 EA 5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	156,630.58	4,619.29
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	22,101.41	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	18,417.84	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,473.43	
For External Control Panel, Add	4,420.28	
For Forced Air Cooling, Add	11,787.42	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,367.14	
For 50 Hz Operation, Add	17,681.13	
26 11 13 00-0043 EA 7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	166,090.52	6,379.28
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	22,872.21	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	19,060.17	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,524.81	
For External Control Panel, Add	4,574.44	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,624.07	
For 50 Hz Operation, Add	18,297.77	
For Forced Air Cooling, Add	12,198.51	
26 11 13 00-0044 EA 10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	217,565.13	6,379.28
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	30,593.40	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	25,494.50	
For Internally Mounted Current Transformers And Linear Couplers, Add	2,039.56	
For External Control Panel, Add	6,118.68	
For Forced Air Cooling, Add	16,316.48	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	10,197.80	
For 50 Hz Operation, Add	24,474.72	
<b>26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV (26 11 13)</b>		
26 11 13 00-0046 EA 1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	59,617.00	938.49
26 11 13 00-0047 EA 1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	65,453.39	938.49
26 11 13 00-0048 EA 1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	74,523.24	1,165.76
26 11 13 00-0049 EA 2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	69,695.32	1,401.77
26 11 13 00-0050 EA 2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	78,512.42	1,401.77
26 11 13 00-0051 EA 2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	89,571.81	1,628.54
26 11 13 00-0052 EA 3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	92,344.50	1,860.60
26 11 13 00-0053 EA 3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	103,322.29	1,860.60
26 11 13 00-0054 EA 3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	108,299.96	2,089.48
<b>26 11 16 Secondary Unit Substations (26 11)</b>		
<b>26 11 16 11 Secondary Unit Substations with Switchgear Secondary (26 11 16)</b>		
26 11 16 11-0001 Substation Primary Incoming Section (26 11 16 11)		
26 11 16 11-0002 Manual Transferring Fused Load Break Switches (26 11 16 11-0001)		
Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 11-0003 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position.....	33,921.95	1,378.14
26 11 16 11-0004 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position.....	39,133.85	1,378.14
26 11 16 11-0005 Automatic Transferring Fused Load Break Switches (26 11 16 11-0001)		
Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 11-0006 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch.....	47,970.02	1,378.14
26 11 16 11-0007 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch.....	51,361.95	1,378.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 11 16 11-0008</b> Accessories For Substation Fused Load Break Switches <small>(26 11 16 11-0001)</small>		
26 11 16 11-0009 EA Primary Lightning Arrestors Accessories, Secondary Distribution Section .....	7,035.27	
26 11 16 11-0010 EA Key Interlock Accessories, Secondary Distribution Section .....	684.79	
<b>26 11 16 11-0011</b> Oil Filled Substation Transformers <small>(26 11 16 11)</small>		
Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
<b>26 11 16 11-0012</b> Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ <small>(26 11 16 11-0011)</small>		
26 11 16 11-0013 EA 75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	13,242.98	805.69
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	814.21	
For Internal Mounted Current Transformer And Linear Coupler, Add	116.32	
For Control Power Transformer On Fans And Auxiliary, Add	348.95	
26 11 16 11-0014 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	19,306.99	966.83
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,216.13	
For Internal Mounted Current Transformer And Linear Coupler, Add	173.73	
For Control Power Transformer On Fans And Auxiliary, Add	521.20	
26 11 16 11-0015 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	21,839.15	1,074.26
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,378.34	
For Internal Mounted Current Transformer And Linear Coupler, Add	196.91	
For Control Power Transformer On Fans And Auxiliary, Add	590.72	
26 11 16 11-0016 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	25,888.85	1,342.82
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,624.22	
For Internal Mounted Current Transformer And Linear Coupler, Add	232.03	
For Control Power Transformer On Fans And Auxiliary, Add	696.10	
26 11 16 11-0017 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	28,973.46	1,665.10
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,795.03	
For Internal Mounted Current Transformer And Linear Coupler, Add	256.43	
For Control Power Transformer On Fans And Auxiliary, Add	769.30	
26 11 16 11-0018 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	31,151.78	2,041.09
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,894.87	
For Internal Mounted Current Transformer And Linear Coupler, Add	270.70	
For Control Power Transformer On Fans And Auxiliary, Add	812.09	
26 11 16 11-0019 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	36,513.77	2,470.79
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,210.05	
For Internal Mounted Current Transformer And Linear Coupler, Add	315.72	
For Control Power Transformer On Fans And Auxiliary, Add	947.17	
26 11 16 11-0020 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	38,939.90	2,685.64
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,349.80	
For Internal Mounted Current Transformer And Linear Coupler, Add	335.69	
For Control Power Transformer On Fans And Auxiliary, Add	1,007.06	
26 11 16 11-0021 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	43,482.77	2,954.20
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,630.21	
For Internal Mounted Current Transformer And Linear Coupler, Add	375.74	
For Control Power Transformer On Fans And Auxiliary, Add	1,127.23	
26 11 16 11-0022 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	50,198.41	3,276.48
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,055.18	
For Internal Mounted Current Transformer And Linear Coupler, Add	436.45	
For Control Power Transformer On Fans And Auxiliary, Add	1,309.36	
26 11 16 11-0023 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	55,105.13	3,571.90
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,357.29	
For Internal Mounted Current Transformer And Linear Coupler, Add	479.61	
For Control Power Transformer On Fans And Auxiliary, Add	1,438.84	
<b>26 11 16 11-0024</b> Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ <small>(26 11 16 11-0011)</small>		
26 11 16 11-0025 EA 75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	12,662.69	805.69
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	773.59	
For Internal Mounted Current Transformer And Linear Coupler, Add	110.51	
For Control Power Transformer On Fans And Auxiliary, Add	331.54	
26 11 16 11-0026 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	18,796.55	805.69
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,202.96	
For Internal Mounted Current Transformer And Linear Coupler, Add	171.85	
For Control Power Transformer On Fans And Auxiliary, Add	515.56	
26 11 16 11-0027 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	21,826.31	1,074.26
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,377.45	
For Internal Mounted Current Transformer And Linear Coupler, Add	196.78	
For Control Power Transformer On Fans And Auxiliary, Add	590.33	
26 11 16 11-0028 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	25,910.94	1,342.82
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,625.77	
For Internal Mounted Current Transformer And Linear Coupler, Add	232.25	
For Control Power Transformer On Fans And Auxiliary, Add	696.76	
26 11 16 11-0029 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	31,228.31	1,665.10
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,952.87	
For Internal Mounted Current Transformer And Linear Coupler, Add	278.98	
For Control Power Transformer On Fans And Auxiliary, Add	836.94	
26 11 16 11-0030 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	33,959.48	2,041.09
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,091.41	
For Internal Mounted Current Transformer And Linear Coupler, Add	298.77	
For Control Power Transformer On Fans And Auxiliary, Add	896.32	

<b>26</b>	<b>Electrical</b>
<b>26 10</b>	<b>Medium-Voltage Electrical Distribution</b>
<b>26 11</b>	<b>Substations</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0031 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	37,810.26	2,470.79
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,300.81	
For Internal Mounted Current Transformer And Linear Coupler, Add	328.69	
For Control Power Transformer On Fans And Auxiliary, Add	986.06	
26 11 16 11-0032 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	41,173.21	2,685.64
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,506.14	
For Internal Mounted Current Transformer And Linear Coupler, Add	358.02	
For Control Power Transformer On Fans And Auxiliary, Add	1,074.06	
26 11 16 11-0033 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	46,370.79	2,954.20
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,832.37	
For Internal Mounted Current Transformer And Linear Coupler, Add	404.62	
For Control Power Transformer On Fans And Auxiliary, Add	1,213.87	
<b>26 11 16 11-0034 Accessories For Oil Filled Substation Transformers (26 11 16 11-0011)</b>		
26 11 16 11-0035 EA Sudden Pressure Relay.....	3,525.49	
26 11 16 11-0036 EA Throats Or Flanges (HV Or LV).....	6,999.30	
26 11 16 11-0037 EA Lightning Arrestors (3 - 1 Pole).....	4,608.77	
26 11 16 11-0038 EA Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X).....	25,576.35	
26 11 16 11-0039 EA Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout.....	23,929.22	
<b>26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab (26 11 16 11-0011)</b>		
Note: For transformer liquid containment area.		
26 11 16 11-0041 EA 112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	4,202.51	1,201.96
26 11 16 11-0042 EA 150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	4,202.51	1,201.96
26 11 16 11-0043 EA 225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	4,202.51	1,201.96
26 11 16 11-0044 EA 300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	4,202.51	1,201.96
26 11 16 11-0045 EA 500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	4,202.51	1,201.96
26 11 16 11-0046 EA 750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	4,202.51	1,201.96
26 11 16 11-0047 EA 1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	4,202.51	1,201.96
26 11 16 11-0048 EA 1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	4,921.03	1,385.89
<b>26 11 16 11-0049 Dry Type Substation Transformer (26 11 16 11)</b>		
Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
<b>26 11 16 11-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt (26 11 16 11-0049)</b>		
Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 11-0051 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	22,714.79	859.40
For Single Phase Transformers, Deduct	-524.90	
For Dry Type Unit, Add	4,791.00	
For Gas Filled Transformers, Add	12,597.59	
26 11 16 11-0052 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	22,822.21	913.12
For Single Phase Transformers, Deduct	-524.90	
For Dry Type Unit, Add	4,801.74	
For Gas Filled Transformers, Add	12,597.59	
26 11 16 11-0053 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	23,417.97	1,074.26
For Single Phase Transformers, Deduct	-531.74	
For Dry Type Unit, Add	4,894.13	
For Gas Filled Transformers, Add	12,761.68	
26 11 16 11-0054 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	25,844.40	1,181.68
For Single Phase Transformers, Deduct	-587.03	
For Dry Type Unit, Add	5,402.16	
For Gas Filled Transformers, Add	14,088.62	
26 11 16 11-0055 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	28,746.24	1,396.53
For Single Phase Transformers, Deduct	-648.83	
For Dry Type Unit, Add	5,989.01	
For Gas Filled Transformers, Add	15,571.91	
26 11 16 11-0056 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	33,299.77	1,611.38
For Single Phase Transformers, Deduct	-751.93	
For Dry Type Unit, Add	6,939.22	
For Gas Filled Transformers, Add	18,046.20	
26 11 16 11-0057 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	38,707.72	1,933.66
For Single Phase Transformers, Deduct	-871.01	
For Dry Type Unit, Add	8,051.62	
For Gas Filled Transformers, Add	20,904.24	
26 11 16 11-0058 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	45,653.71	2,148.51
For Single Phase Transformers, Deduct	-1,033.92	
For Dry Type Unit, Add	9,528.17	
For Gas Filled Transformers, Add	24,814.01	
26 11 16 11-0059 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	58,778.39	2,255.94
For Single Phase Transformers, Deduct	-1,356.66	
For Dry Type Unit, Add	12,389.82	
For Gas Filled Transformers, Add	32,559.91	
<b>26 11 16 11-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt (26 11 16 11-0049)</b>		
Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 11-0061 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	21,969.70	859.40
For Single Phase Transformers, Deduct	-506.27	
For Dry Type Unit, Add	4,627.08	
For Gas Filled Transformers, Add	12,150.53	



<b>Electrical</b>	<b>26</b>
<b>Medium-Voltage Electrical Distribution</b>	<b>26 10</b>
<b>Substations</b>	<b>26 11</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0062 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	22,822.21 -524.90 4,801.74 12,597.59	913.12
26 11 16 11-0063 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	23,417.97 -531.74 4,894.13 12,761.68	1,074.26
26 11 16 11-0064 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	25,844.40 -587.03 5,402.16 14,088.62	1,181.68
26 11 16 11-0065 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	28,746.24 -648.83 5,989.01 15,571.91	1,396.53
26 11 16 11-0066 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	33,299.77 -751.93 6,939.22 18,046.20	1,611.38
26 11 16 11-0067 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	38,707.72 -871.01 8,051.62 20,904.24	1,933.66
26 11 16 11-0068 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	45,653.71 -1,033.92 9,528.17 24,814.01	2,148.51
26 11 16 11-0069 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	58,778.39 -1,356.66 12,389.82 32,559.91	2,255.94
26 11 16 11-0070 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	64,432.81 -1,492.65 13,608.01 35,823.66	2,363.36
26 11 16 11-0071 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	71,790.59 -1,671.23 15,200.94 40,109.42	2,470.79
26 11 16 11-0072 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	82,548.66 -1,934.81 17,541.93 46,435.34	2,578.21
<b>26 11 16 11-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt</b> <small>(26 11 16 11-0049)</small>		
26 11 16 11-0074 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	24,471.49 -563.45 5,151.69 13,522.70	966.83
26 11 16 11-0075 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	25,319.71 -581.97 5,325.41 13,967.17	1,020.54
26 11 16 11-0076 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	27,160.15 -619.92 5,691.63 14,878.07	1,181.68
26 11 16 11-0077 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	28,710.12 -653.30 6,006.84 15,679.15	1,289.11
26 11 16 11-0078 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	32,766.22 -743.96 6,847.62 17,854.98	1,503.96
26 11 16 11-0079 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	36,355.00 -822.93 7,585.59 19,750.43	1,718.81
26 11 16 11-0080 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	42,480.04 -959.95 8,855.75 23,038.72	2,041.09
26 11 16 11-0081 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	51,297.36 -1,169.64 10,743.99 28,071.29	2,255.94
26 11 16 11-0082 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i> <i>For Gas Filled Transformers, Add</i>	61,702.25 -1,424.39 13,007.29 34,185.32	2,363.36

26 11 16 11-0083 Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt (26 11 16 11-0049)

<b>26</b>	<b>Electrical</b>
<b>26 10</b>	<b>Medium-Voltage Electrical Distribution</b>
<b>26 11</b>	<b>Substations</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0084 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	24,471.49	966.83
For Single Phase Transformers, Deduct	-563.45	
For Dry Type Unit, Add	5,151.69	
For Gas Filled Transformers, Add	13,522.70	
26 11 16 11-0085 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	25,319.71	1,020.54
For Single Phase Transformers, Deduct	-581.97	
For Dry Type Unit, Add	5,325.41	
For Gas Filled Transformers, Add	13,967.17	
26 11 16 11-0086 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	27,160.15	1,181.68
For Single Phase Transformers, Deduct	-619.92	
For Dry Type Unit, Add	5,691.63	
For Gas Filled Transformers, Add	14,878.07	
26 11 16 11-0087 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	28,710.12	1,289.11
For Single Phase Transformers, Deduct	-653.30	
For Dry Type Unit, Add	6,006.84	
For Gas Filled Transformers, Add	15,679.15	
26 11 16 11-0088 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	32,766.22	1,503.96
For Single Phase Transformers, Deduct	-743.96	
For Dry Type Unit, Add	6,847.62	
For Gas Filled Transformers, Add	17,854.98	
26 11 16 11-0089 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	32,048.14	1,718.81
For Single Phase Transformers, Deduct	-715.26	
For Dry Type Unit, Add	6,638.08	
For Gas Filled Transformers, Add	17,166.31	
26 11 16 11-0090 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	33,632.06	2,041.09
For Single Phase Transformers, Deduct	-738.75	
For Dry Type Unit, Add	6,909.19	
For Gas Filled Transformers, Add	17,729.93	
26 11 16 11-0091 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	41,160.12	2,255.94
For Single Phase Transformers, Deduct	-916.21	
For Dry Type Unit, Add	8,513.80	
For Gas Filled Transformers, Add	21,988.95	
26 11 16 11-0092 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	48,563.04	2,363.36
For Single Phase Transformers, Deduct	-1,095.91	
For Dry Type Unit, Add	10,116.66	
For Gas Filled Transformers, Add	26,301.80	
26 11 16 11-0093 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	54,151.50	2,470.79
For Single Phase Transformers, Deduct	-1,230.25	
For Dry Type Unit, Add	11,320.34	
For Gas Filled Transformers, Add	29,525.96	
26 11 16 11-0094 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	63,319.06	2,578.21
For Single Phase Transformers, Deduct	-1,454.07	
For Dry Type Unit, Add	13,311.42	
For Gas Filled Transformers, Add	34,897.58	
26 11 16 11-0095 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	77,272.02	2,685.64
For Single Phase Transformers, Deduct	-1,797.52	
For Dry Type Unit, Add	16,355.29	
For Gas Filled Transformers, Add	43,140.45	

## 26 12 Medium-Voltage Transformers (26 10)

### 26 12 13 Liquid-Filled, Medium-Voltage Transformers (26 12)

#### 26 12 13 00-0001 Removal And Relocation Of Transformers (26 12 13)

26 12 13 00-0002 EA Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer.....	1,160.82	
26 12 13 00-0003 EA Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers .....	2,136.25	

#### 26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers (26 12 13)

Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.

#### 26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent

Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA (26 12 13 00-0004)

26 12 13 00-0006 EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	2,757.55	458.38
26 12 13 00-0007 EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	3,332.16	572.98
26 12 13 00-0008 EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	3,894.79	687.57
26 12 13 00-0009 EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	5,012.27	859.47
26 12 13 00-0010 EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	5,960.00	1,031.36
26 12 13 00-0011 EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	8,037.27	1,203.25
26 12 13 00-0012 EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	9,530.03	1,432.45

#### 26 12 13 00-0013 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent

Taps FCAN And FCBN. Rated To 5 KVA (26 12 13 00-0004)

26 12 13 00-0014 EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,757.55	458.38
26 12 13 00-0015 EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	3,382.71	572.98
26 12 13 00-0016 EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	3,894.79	687.57
26 12 13 00-0017 EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	5,012.27	859.47
26 12 13 00-0018 EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	5,960.00	1,031.36
26 12 13 00-0019 EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	7,517.69	1,203.25
26 12 13 00-0020 EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	9,266.19	1,432.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 12 13 00-0021 Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN</b> <small>(26 12 13 00-0004)</small>		
26 12 13 00-0022 EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,698.58	458.38
26 12 13 00-0023 EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,172.09	572.98
26 12 13 00-0024 EA 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,736.48	687.57
26 12 13 00-0025 EA 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,975.74	859.47
26 12 13 00-0026 EA 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,805.75	1,031.36
26 12 13 00-0027 EA 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,615.11	1,203.25
26 12 13 00-0028 EA 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,290.54	1,432.45
<b>26 12 13 00-0029 Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN</b> <small>(26 12 13 00-0004)</small>		
26 12 13 00-0030 EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,972.38	458.38
26 12 13 00-0031 EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,454.32	572.98
26 12 13 00-0032 EA 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,475.86	687.57
26 12 13 00-0033 EA 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,633.93	859.47
26 12 13 00-0034 EA 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,543.60	1,031.36
26 12 13 00-0035 EA 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,706.34	1,203.25
26 12 13 00-0036 EA 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,052.14	1,432.45
<b>26 12 13 00-0037 Transformer Platforms</b> <small>(26 12 13 00-0004)</small>		
26 12 13 00-0038 EA Transformer Platforms, 75 - 167 KVA.....	4,805.43	774.10
<b>26 12 13 00-0039 Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN</b> <small>(26 12 13 00-0004)</small>		
26 12 13 00-0040 EA 10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,222.06	458.38
26 12 13 00-0041 EA 15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,681.02	572.98
26 12 13 00-0042 EA 25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,476.96	687.57
26 12 13 00-0043 EA 37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,632.58	859.47
26 12 13 00-0044 EA 50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,657.72	1,088.66
26 12 13 00-0045 EA 75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,709.70	1,203.25
26 12 13 00-0046 EA 100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,052.14	1,432.45
26 12 13 00-0047 EA 167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	14,688.08	1,833.53
26 12 13 00-0048 EA 250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	18,935.55	2,463.81
26 12 13 00-0049 EA 333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	22,157.91	2,864.89
26 12 13 00-0050 EA 500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	27,517.92	3,094.08
<b>26 12 13 00-0051 Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL</b> <small>(26 12 13 00-0004)</small>		
26 12 13 00-0052 EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,757.55	561.29
26 12 13 00-0053 EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,332.16	701.55
26 12 13 00-0054 EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,894.32	841.02
26 12 13 00-0055 EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	5,013.38	1,053.94
26 12 13 00-0056 EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	5,958.94	1,262.50
26 12 13 00-0057 EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	8,035.83	1,470.38
26 12 13 00-0058 EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	9,530.03	1,754.01
<b>26 12 13 00-0059 Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN</b> <small>(26 12 13 00-0004)</small>		
26 12 13 00-0060 EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,757.55	561.29
26 12 13 00-0061 EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,382.71	701.55
26 12 13 00-0062 EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,894.32	841.02
26 12 13 00-0063 EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,013.38	1,053.94
26 12 13 00-0064 EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,958.94	1,262.50
26 12 13 00-0065 EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,516.25	1,470.38
26 12 13 00-0066 EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,266.19	1,754.01
<b>26 12 13 00-0067 Primary 7.2 To 14.4 KV Ground Y</b> <small>(26 12 13 00-0004)</small>		
<b>26 12 13 00-0068 Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN</b> <small>(26 12 13 00-0067)</small>		
26 12 13 00-0069 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,314.49	458.38
26 12 13 00-0070 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,788.77	572.98
26 12 13 00-0071 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,249.98	687.57
26 12 13 00-0072 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,210.51	859.47
26 12 13 00-0073 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,221.39	1,031.36
26 12 13 00-0074 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,762.87	1,203.25
26 12 13 00-0075 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,991.93	1,432.45
<b>26 12 13 00-0076 Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN</b> <small>(26 12 13 00-0067)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0077 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,180.46	458.38
26 12 13 00-0078 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,620.28	572.98
26 12 13 00-0079 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,173.40	687.57
26 12 13 00-0080 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,057.33	859.47
26 12 13 00-0081 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,010.78	1,031.36
26 12 13 00-0082 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,996.99	1,203.25
26 12 13 00-0083 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,226.05	1,432.45
<b>26 12 13 00-0084 3 Phase Oil Filled Distribution Transformers (26 12 13)</b>		
<b>26 12 13 00-0085 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt (26 12 13 00-0084)</b>		
Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 13 00-0086 EA 112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	9,957.22	1,604.34
26 12 13 00-0087 EA 150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	12,121.65	1,718.94
26 12 13 00-0088 EA 225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	15,966.08	2,177.32
26 12 13 00-0089 EA 300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	20,734.41	2,750.30
26 12 13 00-0090 EA 500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	29,411.05	3,094.08
26 12 13 00-0091 EA 750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	44,176.89	4,125.45
<b>26 12 16 Dry-Type, Medium-Voltage Transformers (26 12)</b>		
<b>26 12 16 00-0001 Removal and Relocation of Transformers (26 12 16)</b>		
26 12 16 00-0002 EA Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer .....	445.82	
26 12 16 00-0003 EA Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer .....	1,981.41	
<b>26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers (26 12)</b>		
<b>26 12 19 00-0001 Single Phase Pad Mounted Distribution Transformers (26 12 19)</b>		
Note: Designed for residential and multi-family buildings. UL listed.		
<b>26 12 19 00-0002 Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled (26 12 19 00-0001)</b>		
Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
<b>26 12 19 00-0003 Primary, 4.16/4.8 KV Ground Y Or Delta (26 12 19 00-0002)</b>		
Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004 EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	5,841.64	537.13
26 12 19 00-0005 EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	6,417.70	644.55
26 12 19 00-0006 EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	7,633.45	751.98
26 12 19 00-0007 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	9,316.67	805.69
26 12 19 00-0008 EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	10,520.12	859.40
26 12 19 00-0009 EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	13,770.44	1,127.97
<b>26 12 19 00-0010 Factory Modifications Material Cost Only (26 12 19 00-0002)</b>		
26 12 19 00-0011 EA Loadbreaker Current Limiting Fuse Factory Modifications.....	1,141.52	
26 12 19 00-0012 EA Loadbreaker Oil Switch, 2 Position Factory Modifications .....	1,199.43	
26 12 19 00-0013 EA Loadbreaker Inserts, Factory Modifications .....	1,319.37	
<b>26 12 19 00-0014 Distribution - Single Phase Multiple Building Transformer (26 12 19 00-0001)</b>		
Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
<b>26 12 19 00-0015 Primary, 4.16/4.8 KVA Ground Y Or Delta (26 12 19 00-0014)</b>		
Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016 EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	7,158.93	537.13
26 12 19 00-0017 EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	8,107.74	537.13
26 12 19 00-0018 EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	8,764.88	735.86
26 12 19 00-0019 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	10,867.47	735.86
26 12 19 00-0020 EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	12,186.85	966.83
26 12 19 00-0021 EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	14,665.30	966.83
26 12 19 00-0022 EA 250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	23,293.96	1,342.82
<b>26 12 19 00-0023 Factory Modifications Material Cost Only (26 12 19 00-0014)</b>		
26 12 19 00-0024 EA Loadbreaker Current Limiting Fuse Factory Modifications.....	1,522.03	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0025 EA Lightning Arrestors, Factory Modifications.....	385.64	
26 12 19 00-0026 EA Loadbreaker Oil Switch, 2 Position Factory Modifications.....	1,199.43	
26 12 19 00-0027 EA Loop Feed Air Switch, Factory Modifications.....	1,952.17	
26 12 19 00-0028 EA Loadbreaker Inserts (Two), Factory Modifications.....	521.13	
26 12 19 00-0029 EA Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications.....	450.82	
<b>26 12 19 00-0030 Primary, 12.47 KV Ground Y Or Delta</b> <small>(26 12 19 00-0014)</small>		
<small>Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.</small>		
26 12 19 00-0031 EA 25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	7,719.89	537.13
26 12 19 00-0032 EA 37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	8,296.19	537.13
26 12 19 00-0033 EA 50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	8,691.51	735.86
26 12 19 00-0034 EA 75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	10,421.67	735.86
26 12 19 00-0035 EA 100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	13,115.35	966.83
26 12 19 00-0036 EA 167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	16,305.89	966.93
26 12 19 00-0037 EA 250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	20,679.16	1,342.82
<b>26 12 19 00-0038 Oil Filled Distribution Transformer Single Phase Cluster Mounted</b> <small>(26 12 19 00-0001)</small>		
<small>Note: Conventional type.</small>		
<b>26 12 19 00-0039 13.8/14.4 KV Ground Y Or Delta Primary 120/240V</b> <small>(26 12 19 00-0038)</small>		
<small>Note: 2.5 Taps FCBN and FCAN.</small>		
26 12 19 00-0040 EA 10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,233.11	393.75
26 12 19 00-0041 EA 37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	6,542.14	553.72
26 12 19 00-0042 EA 50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	9,972.47	885.94
26 12 19 00-0043 EA 100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	17,540.39	885.94
26 12 19 00-0044 EA 167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	24,075.16	1,451.97
26 12 19 00-0045 EA 250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	32,062.35	1,451.97
<b>26 12 19 00-0046 Oil Filled Distribution Transformer Single Phase</b> <small>(26 12 19 00-0001)</small>		
<b>26 12 19 00-0047 7.2 KV Primary, 120/240 Volt Secondary</b> <small>(26 12 19 00-0046)</small>		
26 12 19 00-0048 EA 10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,083.76	418.36
26 12 19 00-0049 EA 15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,554.07	418.36
26 12 19 00-0050 EA 25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	6,527.33	590.63
26 12 19 00-0051 EA 37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	8,448.11	590.63
26 12 19 00-0052 EA 50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	9,734.01	799.81
26 12 19 00-0053 EA 100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	17,158.96	1,230.48
26 12 19 00-0054 EA 167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	23,776.45	1,230.48
26 12 19 00-0055 EA 250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	31,601.27	1,538.10
<b>26 12 19 00-0056 7.2 KV Primary, 240/480 Volt Secondary</b> <small>(26 12 19 00-0046)</small>		
26 12 19 00-0057 EA 10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,083.76	418.36
26 12 19 00-0058 EA 15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,554.23	418.36
26 12 19 00-0059 EA 25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	6,527.33	590.63
26 12 19 00-0060 EA 37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	8,448.11	590.63
26 12 19 00-0061 EA 50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	9,734.01	799.81
26 12 19 00-0062 EA 75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	14,932.44	1,082.83
26 12 19 00-0063 EA 100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	17,158.96	1,082.83
26 12 19 00-0064 EA 167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	23,776.45	1,365.83
26 12 19 00-0065 EA 250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	31,601.27	1,538.10
<b>26 12 19 00-0066 2.4 KV Primary, 277 Volt Secondary</b> <small>(26 12 19 00-0046)</small>		
26 12 19 00-0067 EA 10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,552.44	418.36
26 12 19 00-0068 EA 15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	6,064.85	418.36
26 12 19 00-0069 EA 25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	7,132.91	590.63
26 12 19 00-0070 EA 37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	9,221.72	590.63
26 12 19 00-0071 EA 50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	10,621.98	799.81
26 12 19 00-0072 EA 75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	16,159.83	1,082.83
26 12 19 00-0073 EA 100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	18,796.84	1,082.83
26 12 19 00-0074 EA 167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	26,075.35	1,365.83
26 12 19 00-0075 EA 250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	34,717.71	1,538.10
<b>26 12 19 00-0076 2.4 KV Primary, 120/240 Volt Secondary</b> <small>(26 12 19 00-0046)</small>		
26 12 19 00-0077 EA 10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,083.76	418.36
26 12 19 00-0078 EA 15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,554.07	418.36
26 12 19 00-0079 EA 25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	6,527.33	803.63
26 12 19 00-0080 EA 37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	8,448.11	1,082.83
26 12 19 00-0081 EA 50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	9,734.01	799.81

**26 Electrical**  
**26 10 Medium-Voltage Electrical Distribution**  
**26 12 Medium-Voltage Transformers**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0082 EA 75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	14,761.81	1,082.83
26 12 19 00-0083 EA 100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	17,155.90	1,082.83
<b>26 12 19 00-0084 2.4 KV Primary, 240/480 Volt Secondary (26 12 19 00-0046)</b>		
26 12 19 00-0085 EA 10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	5,083.76	418.36
26 12 19 00-0086 EA 15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	5,554.07	418.36
26 12 19 00-0087 EA 25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	6,527.33	590.63
26 12 19 00-0088 EA 37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	8,448.11	590.63
26 12 19 00-0089 EA 50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	9,734.01	799.81
26 12 19 00-0090 EA 75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	14,761.81	1,082.83
26 12 19 00-0091 EA 100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	17,155.90	1,082.83
<b>26 12 19 00-0092 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary (26 12 19 00-0046)</b>		
26 12 19 00-0093 EA 10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	4,355.18	430.67
26 12 19 00-0094 EA 15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	4,731.11	479.88
26 12 19 00-0095 EA 25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,733.07	529.11
26 12 19 00-0096 EA 37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	7,326.04	738.29
26 12 19 00-0097 EA 50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	8,181.85	861.34
26 12 19 00-0098 EA 75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	11,221.89	1,008.99
26 12 19 00-0099 EA 100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	13,471.83	1,156.65
26 12 19 00-0100 EA 167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	20,924.93	1,476.58
26 12 19 00-0101 EA 250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	28,722.18	1,661.15
<b>26 13 Medium-Voltage Switchgear (26 10)</b>		
<b>26 13 16 Medium-Voltage Fusible Interrupter Switchgear (26 13)</b>		
<b>26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section (26 13 16)</b>		
Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
<b>26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)</b>		
26 13 16 00-0003 EA 1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	13,032.28	1,279.70
<i>For Weatherproofing, Add</i>		
26 13 16 00-0004 EA 1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	13,672.12	1,279.70
<i>For Weatherproofing, Add</i>		
26 13 16 00-0005 EA 1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	18,604.37	1,630.39
<i>For Weatherproofing, Add</i>		
26 13 16 00-0006 EA 2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	25,314.65	1,630.39
<i>For Weatherproofing, Add</i>		
26 13 16 00-0007 EA 2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	36,230.96	1,968.77
<i>For Weatherproofing, Add</i>		
26 13 16 00-0008 EA 3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	33,092.22	1,968.77
<i>For Weatherproofing, Add</i>		
<b>26 13 16 00-0009 7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)</b>		
26 13 16 00-0010 EA 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	19,395.88	1,476.58
<i>For Weatherproofing, Add</i>		
26 13 16 00-0011 EA 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	23,829.09	1,845.72
<i>For Weatherproofing, Add</i>		
26 13 16 00-0012 EA 3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	33,460.02	2,214.87
<i>For Weatherproofing, Add</i>		
<b>26 13 16 00-0013 13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)</b>		
26 13 16 00-0014 EA 1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	18,722.57	1,476.58
<i>For Weatherproofing, Add</i>		
26 13 16 00-0015 EA 1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	25,742.35	1,476.58
<i>For Weatherproofing, Add</i>		
26 13 16 00-0016 EA 1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	37,549.66	1,968.77
<i>For Weatherproofing, Add</i>		
26 13 16 00-0017 EA 2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	23,556.18	1,968.77
<i>For Weatherproofing, Add</i>		
26 13 16 00-0018 EA 2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	34,141.75	2,460.96
<i>For Weatherproofing, Add</i>		
26 13 16 00-0019 EA 2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	47,714.33	2,460.96
<i>For Weatherproofing, Add</i>		
26 13 16 00-0020 EA 3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	32,887.54	2,460.96
<i>For Weatherproofing, Add</i>		
26 13 16 00-0021 EA 3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	45,538.34	2,460.96
<i>For Weatherproofing, Add</i>		
26 13 16 00-0022 EA 3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	58,974.10	2,460.96
<i>For Weatherproofing, Add</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0024 EA 1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	5,874.52	805.97
For Weatherproofing, Add .....	1,179.36	
26 13 16 00-0025 EA 1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	7,609.13	805.97
For Weatherproofing, Add .....	1,560.97	
26 13 16 00-0026 EA 2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	8,273.98	1,070.52
For Weatherproofing, Add .....	1,670.74	
26 13 16 00-0027 EA 2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	10,252.84	1,322.77
For Weatherproofing, Add .....	2,070.39	
26 13 16 00-0028 EA 3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	13,763.54	1,322.77
For Weatherproofing, Add .....	2,842.75	
<b>26 13 16 00-0029 7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0030 EA 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	7,420.88	1,230.48
For Weatherproofing, Add .....	1,503.84	
26 13 16 00-0031 EA 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	9,706.93	1,230.48
For Weatherproofing, Add .....	1,970.52	
26 13 16 00-0032 EA 3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	14,767.37	1,230.48
For Weatherproofing, Add .....	3,048.04	
<b>26 13 16 00-0033 13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0034 EA 1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	7,663.63	1,045.91
For Weatherproofing, Add .....	1,540.26	
26 13 16 00-0035 EA 1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	8,165.65	1,045.91
For Weatherproofing, Add .....	1,650.70	
26 13 16 00-0036 EA 1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	11,678.07	1,292.00
For Weatherproofing, Add .....	2,387.46	
26 13 16 00-0037 EA 2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	10,456.96	1,550.40
For Weatherproofing, Add .....	2,083.02	
26 13 16 00-0038 EA 2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	12,822.67	1,550.40
For Weatherproofing, Add .....	2,603.48	
26 13 16 00-0039 EA 2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	14,747.08	1,808.80
For Weatherproofing, Add .....	2,990.28	
26 13 16 00-0040 EA 3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	13,858.42	2,067.20
For Weatherproofing, Add .....	2,758.84	
26 13 16 00-0041 EA 3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	15,479.47	2,067.20
For Weatherproofing, Add .....	3,115.47	
26 13 16 00-0042 EA 3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section .....	19,045.10	2,313.30
For Weatherproofing, Add .....	3,863.66	
<b>26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0044 EA 1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section .....	3,762.20	779.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	467.87	
26 13 16 00-0045 EA 2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section .....	4,689.58	865.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	519.19	
26 13 16 00-0046 EA 3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section .....	6,110.28	1,040.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	624.61	
26 13 16 00-0047 EA 3-Phase Pothead Termination Accessories, Secondary Distribution Section .....	3,976.82	1,565.54
26 13 16 00-0048 EA 5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section .....	4,564.58	95.29
26 13 16 00-0049 EA 5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section .....	6,096.83	95.29
26 13 16 00-0050 EA 5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section .....	11,164.53	95.29
26 13 16 00-0051 EA 15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section .....	8,774.08	95.29
26 13 16 00-0052 EA 15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section .....	9,578.42	95.29
26 13 16 00-0053 EA 15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section .....	13,038.17	95.29
26 13 16 00-0054 EA 6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section .....	2,067.86	95.29
26 13 16 00-0055 EA 9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section .....	2,337.18	95.29
26 13 16 00-0056 EA 15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section .....	3,549.88	95.29
26 13 16 00-0057 EA Overcurrent Phase Protection, Time And Instantaneous Device 67 .....	2,272.40	95.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	57.17	
26 13 16 00-0058 EA AC Ammeter With Switch .....	889.37	95.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	57.17	
26 13 16 00-0059 EA AC Voltmeter With Switch And Potential Transformer .....	889.37	95.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	57.17	
26 13 16 00-0060 EA Indicating Wattmeter .....	1,314.47	95.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	57.17	
26 13 16 00-0061 EA Indicating Varmeter .....	1,550.31	95.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	57.17	
26 13 16 00-0062 EA Indicating Watt-hour Meter, 2 Element .....	973.81	95.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	57.17	
26 13 16 00-0063 EA Ground Protection, Time Or Instantaneous Device 67N .....	2,383.52	95.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	57.17	

<b>26</b>	<b>Electrical</b>
<b>26 10</b>	<b>Medium-Voltage Electrical Distribution</b>
<b>26 13</b>	<b>Medium-Voltage Switchgear</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0064	EA		Differential Generator Protection Single Phase NEMA Device 87 .....	4,315.64	95.29
26 13 16 00-0065	EA		Current Transformers 5 And 15 KV Single Secondary.....	603.30	95.29
26 13 16 00-0066	EA		Potential Transformers 5 KV And 15 KV With Primary Fuses.....	2,880.20	95.29
<b>26 13 19 Medium-Voltage Vacuum Interrupter Switchgear (26 13)</b>					
26 13 19 00-0001			<b>Vacuum Circuit Breakers 13.8 KV (26 13 19)</b>		
26 13 19 00-0002	EA		1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	46,727.67	1,538.10
26 13 19 00-0003	EA		1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	51,615.23	1,944.15
26 13 19 00-0004	EA		1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	58,607.00	1,944.15
26 13 19 00-0005	EA		2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	53,526.90	1,538.10
26 13 19 00-0006	EA		2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	60,187.38	1,538.10
26 13 19 00-0007	EA		2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	68,606.38	1,808.80
26 13 19 00-0008	EA		3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	70,816.33	2,067.20
26 13 19 00-0009	EA		3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	77,510.63	2,067.20
26 13 19 00-0010	EA		3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	84,702.01	2,325.60
<b>26 13 29 Medium-Voltage Compartmentalized Switchgear (26 13)</b>					
26 13 29 00-0001			<b>Substation Secondary Distribution Section (26 13 29)</b>		
			Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 13 29 00-0002			<b>Switchgear Compartment Complete With Air Circuit Breaker (26 13 29 00-0001)</b>		
			Note: With solid state long - time and instantaneous trips.		
26 13 29 00-0003	EA		800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	14,853.77	944.90
26 13 29 00-0004	EA		1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416.....	23,468.28	1,428.59
26 13 29 00-0005	EA		2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Manual DS-420.....	31,775.18	1,754.81
26 13 29 00-0006	EA		3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	52,779.76	2,036.02
26 13 29 00-0007	EA		4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840.....	67,838.48	2,317.24
26 13 29 00-0008			<b>Switchgear Compartment Without Circuit Breaker (26 13 29 00-0001)</b>		
26 13 29 00-0009	EA		800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,575.41	286.85
26 13 29 00-0010	EA		1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,597.96	286.85
26 13 29 00-0011	EA		2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,940.42	421.83
26 13 29 00-0012	EA		3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	14,208.47	421.83
26 13 29 00-0013	EA		4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	23,723.93	618.68
26 13 29 00-0014			<b>Switchgear Compartment, Blank, Use As Filler Or Metering (26 13 29 00-0001)</b>		
			Note: No provisions for future breaker.		
26 13 29 00-0015	EA		600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	3,050.89	320.59
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	183.32	
26 13 29 00-0016	EA		3,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	3,805.33	320.59
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	215.19	
26 13 29 00-0017	EA		4,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	4,991.30	494.94
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	309.34	
26 13 29 00-0018			<b>Accessories For Substation Secondary Distribution (26 13 29 00-0001)</b>		
26 13 29 00-0019	EA		Short Time Delay Accessories, Secondary Distribution Section.....	1,616.18	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.17	
26 13 29 00-0020	EA		Key Interlock Accessories, Secondary Distribution Section.....	1,273.78	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.17	
26 13 29 00-0021	EA		Ammeter And Switch Complete Accessories, Secondary Distribution Section.....	3,877.32	95.29
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.17	
26 13 29 00-0022	EA		Voltmeter And Switch Complete Accessories, Secondary Distribution Section.....	3,877.32	95.29
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.17	
26 13 29 00-0023	EA		Wattmeter - Complete Accessories, Secondary Distribution Section.....	5,104.80	95.29
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.17	
26 13 29 00-0024	EA		Watt-hour Meter - Complete Accessories, Secondary Distribution Section.....	6,590.69	95.29
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.17	
26 13 29 00-0025	EA		Circuit Breaker Lifting Device Accessories, Secondary Distribution Section.....	2,907.00	108.69
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	65.20	
26 13 29 00-0026	EA		Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section.....	9,839.25	1,609.72
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	965.84	
26 13 29 00-0027	EA		Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800.....	1,797.07	95.29
26 13 29 00-0028	EA		Potential Transformers Each With Fuses Accessories, Secondary Distribution Section.....	2,097.84	95.29
26 13 29 00-0029	EA		Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section.....	1,118.19	47.64
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.59	
26 13 29 00-0030	EA		3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section.....	8,259.63	95.29
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.17	
26 13 29 00-0031	EA		3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section.....	1,066.51	47.64

## 26 18 Medium-Voltage Circuit Protection Devices (26 10)

### 26 18 36 Medium-Voltage Enclosed Fuses (26 18)

#### 26 18 36 00-0001 Sectionalizing Switch (26 18 36)



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Medium-Voltage Electrical Distribution</b>	<b>26 10</b>	
<b>Medium-Voltage Circuit Protection Devices</b>	<b>26 18</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 18 36 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units <small>(26 18 36 00-0001)</small> Note: 15 KV - 25 KV.		
26 18 36 00-0003 Sectionalizing Tapping And Fusing Underground Feeders <small>(26 18 36 00-0002)</small> Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 36 00-0004 EA 3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	25,714.18	805.69
26 18 36 00-0005 EA 3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	28,877.40	805.69
<b>26 19 High-Voltage Circuit Protection <small>(26 10)</small></b>		
<b>26 19 18 Protection Devices <small>(26 19)</small></b>		
26 19 18 00-0001 Primary Fuse Cutouts <small>(26 19 18)</small> Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 19 18 00-0002 Non-Loadbreak Current Limiting Primary Fuse Cutouts <small>(26 19 18 00-0001)</small> Note: Includes the fuse and cut-out switch.		
26 19 18 00-0003 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 19 18 00-0002)</small>		
26 19 18 00-0004 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	694.29	307.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.66	
26 19 18 00-0005 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	817.34	307.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.57	
26 19 18 00-0006 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	939.98	307.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	221.36	
26 19 18 00-0007 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	959.25	307.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	221.50	
26 19 18 00-0008 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	959.25	307.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	221.50	
26 19 18 00-0009 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 19 18 00-0002)</small>		
26 19 18 00-0010 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting.....	694.29	246.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.66	
26 19 18 00-0011 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting <small>(26 19 18 00-0002)</small>		
26 19 18 00-0012 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting.....	719.78	246.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.66	
26 19 18 00-0013 Fuseholders <small>(26 19 18 00-0002)</small> Note: Including current limiting fuse.		
26 19 18 00-0014 EA 15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	586.87	307.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.66	
26 19 18 00-0015 EA 25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	709.92	307.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.57	
26 19 18 00-0016 EA 40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	832.56	307.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	221.36	
26 19 18 00-0017 EA 100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	595.69	307.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.66	
26 19 18 00-0018 EA 200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	718.74	307.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.57	
26 19 18 00-0019 EA 15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	586.87	246.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.66	
26 19 18 00-0020 Accessories <small>(26 19 18 00-0002)</small>		
26 19 18 00-0021 EA Hot Line Clamp.....	87.82	27.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	
26 19 18 00-0022 EA Stirrup.....	95.91	27.69
26 19 18 00-0023 Loadbreak Current Limiting Primary Fuse Cutouts <small>(26 19 18 00-0001)</small> Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 19 18 00-0024 8.3 KV-95 KV BIL Loadbreak Current Limiting <small>(26 19 18 00-0023)</small>		
26 19 18 00-0025 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	892.74	307.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.66	
26 19 18 00-0026 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	1,015.79	307.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.57	
26 19 18 00-0027 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	1,138.43	307.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	221.36	
26 19 18 00-0028 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	1,176.20	307.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	221.50	
26 19 18 00-0029 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	1,176.20	307.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	221.50	
26 19 18 00-0030 17.1 KV-95 KV BIL Loadbreak Current Limiting <small>(26 19 18 00-0023)</small>		
26 19 18 00-0031 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting.....	892.74	246.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.66	

**26 Electrical****26 10 Medium-Voltage Electrical Distribution****26 19 High-Voltage Circuit Protection**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>26 19 18 00-0032 17.1 KV-125 KV BIL Loadbreak Current Limiting</b> (26 19 18 00-0023)			
26 19 18 00-0033	EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting.....	892.74	246.10
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.66	
<b>26 19 18 00-0034 Fuseholders</b> (26 19 18 00-0023)			
	Note: Includes current limiting fuses.		
26 19 18 00-0035	EA 15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....	595.97	307.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.66	
26 19 18 00-0036	EA 25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....	719.02	307.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.57	
26 19 18 00-0037	EA 40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....	841.66	307.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	221.36	
26 19 18 00-0038	EA 15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....	595.97	307.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.66	
<b>26 19 18 00-0039 Pole Mounted Capacitors</b> (26 19 18 00-0023)			
26 19 18 00-0040	EA Capacitors - Pole Mounted 6 KVAR.....	1,627.27	248.06
<b>26 19 80 Transmission and Distribution Accessories</b> (26 19)			
<b>26 19 80 60 Structure Assemblies</b> (26 19 80)			
<b>26 19 80 60-0001 Pole Structure Assemblies</b> (26 19 80 60)			
<b>26 19 80 60-0002 5 KV Pole Structure Assemblies</b> (26 19 80 60-0001)			
	Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0003	EA Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	504.38	233.79
26 19 80 60-0004	EA Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	842.66	393.75
26 19 80 60-0005	EA Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	972.28	307.62
26 19 80 60-0006	EA Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	557.39	159.96
26 19 80 60-0007	EA Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	705.28	221.49
26 19 80 60-0008	EA Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,228.48	442.98
26 19 80 60-0009	EA Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	965.43	332.23
26 19 80 60-0010	EA Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,758.49	664.46
26 19 80 60-0011	EA Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,999.47	750.59
26 19 80 60-0012	EA Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,095.31	369.14
26 19 80 60-0013	EA Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	922.78	393.75
26 19 80 60-0014	EA Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,727.69	799.81
26 19 80 60-0015	EA Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,328.47	479.88
26 19 80 60-0016	EA Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	825.62	344.54
26 19 80 60-0017	EA Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,546.68	701.37
26 19 80 60-0018	EA Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,227.03	356.84
<b>26 19 80 60-0019 15 KV Pole Structure Assemblies</b> (26 19 80 60-0001)			
	Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0020	EA Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	529.87	233.79
26 19 80 60-0021	EA Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	879.08	393.75
26 19 80 60-0022	EA Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,096.09	307.62
26 19 80 60-0023	EA Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	601.09	159.96
26 19 80 60-0024	EA Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	767.18	209.18
26 19 80 60-0025	EA Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,352.29	442.98
26 19 80 60-0026	EA Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,056.46	332.23
26 19 80 60-0027	EA Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,944.21	664.46
26 19 80 60-0028	EA Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,250.73	750.59
26 19 80 60-0029	EA Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,219.12	369.14
26 19 80 60-0030	EA Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	970.11	393.75
26 19 80 60-0031	EA Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,775.02	799.81
26 19 80 60-0032	EA Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,423.15	479.88
26 19 80 60-0033	EA Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	872.95	332.23
26 19 80 60-0034	EA Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,594.01	701.37
26 19 80 60-0035	EA Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,321.71	430.67
<b>26 19 80 60-0036 25 KV Pole Structure Assemblies</b> (26 19 80 60-0001)			
	Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0037	EA Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,652.44	369.14
26 19 80 60-0038	EA Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,015.85	184.57
26 19 80 60-0039	EA Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,472.17	283.01
26 19 80 60-0040	EA Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,915.54	578.32
26 19 80 60-0041	EA Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,839.06	430.67
26 19 80 60-0042	EA Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,951.15	849.03
26 19 80 60-0043	EA Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,799.75	959.78
26 19 80 60-0044	EA Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,973.80	559.87
26 19 80 60-0045	EA Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,714.51	559.87



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 19 80 60-0046</b>		<b>50 KV Pole Structure Assemblies</b> <small>(26 19 80 60-0001)</small>		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0047	EA	Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,219.87	504.50
26 19 80 60-0048	EA	Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,209.99	258.40
26 19 80 60-0049	EA	Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,523.11	406.06
26 19 80 60-0050	EA	Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,856.86	824.42
26 19 80 60-0051	EA	Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,191.81	615.24
26 19 80 60-0052	EA	Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	4,205.18	1,230.48
26 19 80 60-0053	EA	Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	4,984.77	1,365.83
26 19 80 60-0054	EA	Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,545.03	664.46
26 19 80 60-0055	EA	Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,554.04	769.05
26 19 80 60-0056	EA	Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,463.57	725.98

<b>26 19 80 60-0057</b>		<b>Overhead To Underground Conversion Structures</b> <small>(26 19 80 60)</small>		
		Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		

<b>26 19 80 60-0058</b>		<b>5 KV Structures</b> <small>(26 19 80 60-0057)</small>		
		Note: Excludes pole.		
26 19 80 60-0059	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,232.72	2,460.96
26 19 80 60-0060	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,232.72	2,460.96
26 19 80 60-0061	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,232.72	2,460.96
26 19 80 60-0062	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,232.72	2,460.96

<b>26 19 80 60-0063</b>		<b>15 KV Structures</b> <small>(26 19 80 60-0057)</small>		
		Note: Excludes pole.		
26 19 80 60-0064	EA	(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,404.06	2,460.96
26 19 80 60-0065	EA	(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,404.06	2,460.96
26 19 80 60-0066	EA	(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,404.06	2,460.96
26 19 80 60-0067	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,404.06	2,460.96

<b>26 19 80 60-0068</b>		<b>25 KV Structures</b> <small>(26 19 80 60-0057)</small>		
		Note: Excludes pole.		
26 19 80 60-0069	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,590.97	2,460.96
26 19 80 60-0070	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,590.97	2,460.96
26 19 80 60-0071	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,590.97	2,460.96
26 19 80 60-0072	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,590.97	2,460.96

<b>26 19 80 60-0073</b>		<b>Transformer Stations</b> <small>(26 19 80 60)</small>		
		Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		

<b>26 19 80 60-0074</b>		<b>5 KV Station</b> <small>(26 19 80 60-0073)</small>		
26 19 80 60-0075	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole.....	8,485.01	3,280.46
26 19 80 60-0076	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole.....	9,509.53	3,691.43
26 19 80 60-0077	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole.....	10,534.04	4,101.18
26 19 80 60-0078	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole.....	10,534.04	4,101.18
26 19 80 60-0079	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole.....	8,485.01	3,280.46

<b>26 19 80 60-0080</b>		<b>15 KV Stations</b> <small>(26 19 80 60-0073)</small>		
26 19 80 60-0081	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	8,749.83	3,279.52
26 19 80 60-0082	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole.....	9,774.35	3,691.43
26 19 80 60-0083	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	10,798.87	4,101.18
26 19 80 60-0084	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole.....	10,798.87	4,101.18
26 19 80 60-0085	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole.....	8,749.83	3,280.46

<b>26 19 80 60-0086</b>		<b>25 KV Stations</b> <small>(26 19 80 60-0073)</small>		
26 19 80 60-0087	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	9,038.73	3,280.46
26 19 80 60-0088	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole.....	10,063.25	3,691.43
26 19 80 60-0089	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	11,087.77	4,101.18
26 19 80 60-0090	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole.....	11,087.77	4,101.18
26 19 80 60-0091	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole.....	9,038.73	3,280.46

**26 20 Low-Voltage Electrical Distribution** (26)

<b>26 21</b>		<b>Low-Voltage Electrical Service Entrance</b> <small>(26 20)</small>		
		See CSI section 26 05 13 00-0000 for wire and cables.		

**26 21 13 Low-Voltage Overhead Electrical Service Entrance** (26 21)

<b>26 21 13 00-0001</b>		<b>Service Drop Cable And Weatherheads</b> <small>(26 21 13)</small>		
<b>26 21 13 00-0002</b>		<b>600 Volt Insulated Stranded Conductors</b> <small>(26 21 13 00-0001)</small>		

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 21 Low-Voltage Electrical Service Entrance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>26 21 13 00-0003</b>	<b>Aluminum Duplex ACSR Neutral</b> <small>(26 21 13 00-0002)</small>		
26 21 13 00-0004	LF #6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	7.50	2.93
26 21 13 00-0005	LF #4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	8.94	3.47
26 21 13 00-0006	LF #2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	10.26	3.91
26 21 13 00-0007	LF 1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	13.22	4.92
<b>26 21 13 00-0008</b>	<b>Aluminum Triplex ACSR Neutral</b> <small>(26 21 13 00-0002)</small>		
26 21 13 00-0009	LF #6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	8.99	3.47
26 21 13 00-0010	LF #4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	10.21	3.91
26 21 13 00-0011	LF #2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	12.90	4.92
26 21 13 00-0012	LF 1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	15.90	6.00
26 21 13 00-0013	LF 2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	20.92	7.94
26 21 13 00-0014	LF 4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	26.22	9.84
26 21 13 00-0015	LF 336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	32.74	11.72
<b>26 21 13 00-0016</b>	<b>Aluminum Quadruplex ACSR Neutral</b> <small>(26 21 13 00-0002)</small>		
26 21 13 00-0017	LF #6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	10.22	3.91
26 21 13 00-0018	LF #4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	12.90	4.92
26 21 13 00-0019	LF #2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	16.58	6.31
26 21 13 00-0020	LF 1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	21.17	7.94
26 21 13 00-0021	LF 2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	23.49	8.79
26 21 13 00-0022	LF 3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	26.65	9.84
26 21 13 00-0023	LF 4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	31.57	11.72
26 21 13 00-0024	LF 336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	36.73	12.95
<b>26 21 13 00-0025</b>	<b>Weatherproof Conduit Hubs</b> <small>(26 21 13 00-0002)</small>		
26 21 13 00-0026	EA 1/2" Weatherproof Conduit Hubs.....	48.88	18.36
26 21 13 00-0027	EA 3/4" Weatherproof Conduit Hubs.....	55.80	20.86
26 21 13 00-0028	EA 1" Weatherproof Conduit Hubs.....	65.26	23.37
26 21 13 00-0029	EA 1-1/4" Weatherproof Conduit Hubs.....	91.71	31.29
26 21 13 00-0030	EA 1-1/2" Weatherproof Conduit Hubs.....	101.18	33.80
26 21 13 00-0031	EA 2" Weatherproof Conduit Hubs.....	133.05	39.22
26 21 13 00-0032	EA 2-1/2" Weatherproof Conduit Hubs.....	178.54	44.22
26 21 13 00-0033	EA 3" Weatherproof Conduit Hubs.....	233.16	52.15
26 21 13 00-0034	EA 4" Weatherproof Conduit Hubs.....	406.74	104.31
<b>26 21 13 00-0035</b>	<b>Service Entrance Cap, Threaded Weatherhead, Galvanized</b> <small>(26 21 13 00-0002)</small>		
26 21 13 00-0036	EA 1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service.....	53.69	18.36
26 21 13 00-0037	EA 3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service.....	61.54	20.86
26 21 13 00-0038	EA 1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	70.41	23.37
26 21 13 00-0039	EA 1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service.....	94.60	31.29
26 21 13 00-0040	EA 1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service.....	106.80	33.80
26 21 13 00-0041	EA 2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service.....	139.70	39.22
26 21 13 00-0042	EA 2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service.....	232.46	44.22
26 21 13 00-0043	EA 3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service.....	264.83	52.15
26 21 13 00-0044	EA 4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service.....	437.64	104.31
<b>26 21 13 00-0045</b>	<b>Service Entrance Cap, Clamp-On Weatherhead, Aluminum</b> <small>(26 21 13 00-0002)</small>		
26 21 13 00-0046	EA 1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service.....	51.99	18.36
26 21 13 00-0047	EA 3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service.....	58.68	20.86
26 21 13 00-0048	EA 1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	66.54	23.26
26 21 13 00-0049	EA 1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	88.48	31.29
26 21 13 00-0050	EA 1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	98.54	33.80
26 21 13 00-0051	EA 2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service.....	116.10	39.22
26 21 13 00-0052	EA 2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service.....	188.19	44.22
26 21 13 00-0053	EA 3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service.....	242.57	52.15
26 21 13 00-0054	EA 3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service.....	342.07	78.23
26 21 13 00-0055	EA 4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service.....	411.14	104.31
<b>26 21 13 00-0056</b>	<b>Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC)</b> <small>(26 21 13 00-0002)</small>		
26 21 13 00-0057	EA 1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service.....	50.92	18.36
26 21 13 00-0058	EA 3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service.....	58.30	20.86
26 21 13 00-0059	EA 1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	66.33	23.26
26 21 13 00-0060	EA 1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	88.31	31.29
26 21 13 00-0061	EA 1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	96.29	33.80
26 21 13 00-0062	EA 2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service.....	118.89	39.22
26 21 13 00-0063	EA 2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service.....	206.53	44.22
26 21 13 00-0064	EA 3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service.....	230.49	52.15
26 21 13 00-0065	EA 3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service.....	400.21	78.23
26 21 13 00-0066	EA 4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service.....	555.77	104.31





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**26 21 16 Low-Voltage Underground Electrical Service Entrance (26 21)**

**26 21 16 00-0001 Aluminum Triplex For Underground Service, Direct Burial (26 21 16)**

Note: Excludes excavation and backfill.

26 21 16 00-0002	MLF #6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	3,122.76	1,093.77
26 21 16 00-0003	MLF #4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	3,411.43	1,158.13
26 21 16 00-0004	MLF #2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	3,791.99	1,230.48
26 21 16 00-0005	MLF 1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	4,098.72	1,230.48
26 21 16 00-0006	MLF 2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	4,463.15	1,312.55
26 21 16 00-0007	MLF 3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	5,224.53	1,514.47
26 21 16 00-0008	MLF 4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	6,599.29	1,968.77

**26 22 Low-Voltage Transformers (26 20)**

**26 22 13 Low-Voltage Distribution Transformers (26 22)**

**26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers (26 22 13)**

Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

**26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)**

Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

26 22 13 00-0003	EA 1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	750.91	268.72
26 22 13 00-0004	EA 3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	969.89	322.47
26 22 13 00-0005	EA 5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,136.54	336.44
26 22 13 00-0006	EA 7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,304.51	349.34
26 22 13 00-0007	EA 10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,702.05	376.21
26 22 13 00-0008	EA 15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,971.91	403.09
	<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	58.29	
	<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	87.43	
26 22 13 00-0009	EA 25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,146.59	429.95
	<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	64.33	
	<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	96.50	
26 22 13 00-0010	EA 37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,166.85	483.70
	<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	59.97	
	<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	89.96	
26 22 13 00-0011	EA 50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,534.41	537.45
	<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	72.98	
	<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	109.46	
26 22 13 00-0012	EA 75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	3,268.25	644.93
	<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	98.92	
	<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	148.38	
26 22 13 00-0013	EA 100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	4,063.59	752.43
	<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	127.94	
	<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	191.91	
26 22 13 00-0014	EA 167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	6,178.96	967.40
	<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	212.21	
	<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	318.31	
26 22 13 00-0015	EA 250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	10,416.33	1,182.38
	<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	402.58	
	<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	603.87	
26 22 13 00-0016	EA 333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	15,677.25	1,343.61
	<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	649.50	
	<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	974.25	

**26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)**

Note: 1-10 Percent x 2-5 percent FCBN taps.

26 22 13 00-0018	EA 3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	870.55	322.47
26 22 13 00-0019	EA 5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	977.36	335.90
26 22 13 00-0020	EA 7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,126.57	349.34
26 22 13 00-0021	EA 10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,283.61	376.21

**26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)**

Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.

26 22 13 00-0023	EA 15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,971.91	403.09
26 22 13 00-0024	EA 25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,146.59	429.95

**26 22 13 00-0025 1 Phase Mounting Brackets (26 22 13 00-0001)**

26 22 13 00-0026	EA 1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	557.91	190.58
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**26 22 13 00-0027 1 Phase Weathershields (26 22 13 00-0001)**

Note: Use with types DT-3 and DS-3.

26 22 13 00-0028	EA 37.5 KVA 1 Phase Weathershields, Set Of 2	41.99	
26 22 13 00-0029	EA 50 KVA 1 Phase Weathershields, Set Of 2	53.53	
26 22 13 00-0030	EA 75 KVA 1 Phase Weathershields, Set Of 2	63.83	
26 22 13 00-0031	EA 100 KVA 1 Phase Weathershields, Set Of 2	76.15	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0032	EA		167 KVA 1 Phase Weathershields, Set Of 2.....	103.02	
26 22 13 00-0033	EA		250 KVA 1 Phase Weathershields, Set Of 2.....	123.18	
26 22 13 00-0034	EA		333 KVA 1 Phase Weathershields, Set Of 2.....	151.18	
<b>26 22 13 00-0035</b>			<b>Packaged Power Supply (26 22 13 00-0001)</b>		
			Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036	EA		5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers.....	1,289.18	335.90
26 22 13 00-0037	EA		7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers.....	1,420.57	349.34
26 22 13 00-0038	EA		10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers.....	1,536.57	376.21
26 22 13 00-0039	EA		15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers.....	1,823.89	403.09
26 22 13 00-0040	EA		25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers.....	2,377.93	429.95
<b>26 22 13 00-0041</b>			<b>240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade (26 22 13 00-0001)</b>		
26 22 13 00-0042	EA		0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	948.43	241.85
26 22 13 00-0043	EA		1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,259.74	268.72
26 22 13 00-0044	EA		2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,479.20	322.47
26 22 13 00-0045	EA		5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,612.47	335.90
26 22 13 00-0046	EA		7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,784.91	349.34
26 22 13 00-0047	EA		10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	2,219.41	376.21
26 22 13 00-0048	EA		15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	2,786.03	403.09
<b>26 22 13 00-0049</b>			<b>1 Phase, 208/600 Volt, Dry General Purpose Transformer (26 22 13 00-0001)</b>		
26 22 13 00-0050	EA		15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	3,326.17	403.09
26 22 13 00-0051	EA		25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	3,463.44	429.95
26 22 13 00-0052	EA		30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	3,609.60	456.83
26 22 13 00-0053	EA		37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	4,629.88	483.70
26 22 13 00-0054	EA		45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	4,820.07	510.57
26 22 13 00-0055	EA		50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	6,267.18	537.45
<b>26 22 13 00-0056</b>			<b>3 Phase General Purpose "Dry Type" Transformer (26 22 13)</b>		
			Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
<b>26 22 13 00-0057</b>			<b>Packaged Power Supply (26 22 13 00-0056)</b>		
			Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058	EA		15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers.....	5,270.21	1,155.51
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	221.94	
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	147.96	
26 22 13 00-0059	EA		22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers.....	6,139.33	1,236.13
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	275.03	
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	183.35	
26 22 13 00-0060	EA		30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers.....	7,186.69	1,343.61
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	337.46	
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	224.97	
<b>26 22 13 00-0061</b>			<b>Drive Isolation Transformers (26 22 13 00-0056)</b>		
			Note: Only use in step-up applications.		
<b>26 22 13 00-0062</b>			<b>230 Volt Drive Isolation Transformers (26 22 13 00-0061)</b>		
26 22 13 00-0063	EA		7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,479.00	429.95
26 22 13 00-0064	EA		11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,022.61	456.83
26 22 13 00-0065	EA		15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,174.32	483.70
26 22 13 00-0066	EA		20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,864.23	510.57
26 22 13 00-0067	EA		27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,072.29	564.32
26 22 13 00-0068	EA		34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,574.29	618.06
26 22 13 00-0069	EA		40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,274.82	671.81
26 22 13 00-0070	EA		51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	7,270.77	752.43
26 22 13 00-0071	EA		63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	7,832.65	779.29
26 22 13 00-0072	EA		75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	8,945.79	806.17
26 22 13 00-0073	EA		93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	11,067.38	833.04
26 22 13 00-0074	EA		118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,513.43	1,021.15
26 22 13 00-0075	EA		145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	13,891.93	1,074.90
26 22 13 00-0076	EA		175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	15,808.63	1,128.63
26 22 13 00-0077	EA		220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	19,249.55	1,343.61
26 22 13 00-0078	EA		275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	25,303.23	1,585.47
26 22 13 00-0079	EA		330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	26,783.06	1,746.70
26 22 13 00-0080	EA		440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	32,419.67	1,934.81
26 22 13 00-0081	EA		550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	39,770.30	2,149.78
<b>26 22 13 00-0082</b>			<b>208V Drive Isolation Transformers (26 22 13 00-0061)</b>		
26 22 13 00-0083	EA		7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,612.31	429.95
26 22 13 00-0084	EA		11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,180.85	456.83
26 22 13 00-0085	EA		15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,337.55	483.70
26 22 13 00-0086	EA		20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,059.84	510.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0087 EA 27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,273.02	564.32
26 22 13 00-0088 EA 30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,741.35	591.20
26 22 13 00-0089 EA 45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,579.56	698.68
26 22 13 00-0090 EA 51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	7,564.25	752.43
26 22 13 00-0091 EA 63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	8,152.00	779.29
26 22 13 00-0092 EA 75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	9,319.06	806.17
26 22 13 00-0093 EA 93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	11,545.90	833.04
26 22 13 00-0094 EA 118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	13,046.41	1,021.15
26 22 13 00-0095 EA 145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	14,489.61	1,074.90
26 22 13 00-0096 EA 175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	16,498.39	1,128.63
26 22 13 00-0097 EA 220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	20,092.58	1,343.61
<b>26 22 13 00-0098 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps (26 22 13 00-0056)</b>		
26 22 13 00-0099 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,593.36	443.39
26 22 13 00-0100 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,309.03	483.70
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	175.62	
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	117.08	
<b>26 22 13 00-0101 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps (26 22 13 00-0056)</b>		
26 22 13 00-0102 EA 30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,754.59	591.20
For K13 Factor Rating, Add	2,572.21	
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	128.61	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	192.92	
For K20 Factor Rating, Add	3,343.87	
For K4 Factor Rating, Add	1,800.55	
26 22 13 00-0103 EA 37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,469.27	644.93
For K13 Factor Rating, Add	3,179.40	
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	158.97	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	238.46	
For K20 Factor Rating, Add	4,133.22	
For K4 Factor Rating, Add	2,225.58	
26 22 13 00-0104 EA 45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,695.20	698.68
For K13 Factor Rating, Add	3,297.84	
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	164.89	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	247.34	
For K20 Factor Rating, Add	4,287.19	
For K4 Factor Rating, Add	2,308.49	
26 22 13 00-0105 EA 50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	6,012.27	752.43
For K13 Factor Rating, Add	4,507.42	
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	225.37	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	338.06	
For K20 Factor Rating, Add	5,859.65	
For K4 Factor Rating, Add	3,155.19	
26 22 13 00-0106 EA 75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,988.36	806.17
For K13 Factor Rating, Add	4,376.03	
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	218.80	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	328.20	
For K20 Factor Rating, Add	5,688.84	
For K4 Factor Rating, Add	3,063.22	
26 22 13 00-0107 EA 112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	7,420.67	967.40
For K13 Factor Rating, Add	5,485.86	
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	274.29	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	411.44	
For K20 Factor Rating, Add	7,131.62	
For K4 Factor Rating, Add	3,840.10	
26 22 13 00-0108 EA 150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	9,466.01	1,074.90
For K13 Factor Rating, Add	7,316.23	
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	365.81	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	548.72	
For K20 Factor Rating, Add	9,511.10	
For K4 Factor Rating, Add	5,121.36	
26 22 13 00-0109 EA 225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	12,795.98	1,343.61
For K13 Factor Rating, Add	10,108.75	
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	505.44	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	758.16	
For K20 Factor Rating, Add	13,141.38	
For K4 Factor Rating, Add	7,076.13	
26 22 13 00-0110 EA 300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	15,623.64	1,666.08
For K13 Factor Rating, Add	12,291.48	
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	614.57	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	921.86	
For K20 Factor Rating, Add	15,978.92	
For K4 Factor Rating, Add	8,604.04	
26 22 13 00-0111 EA 500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	22,083.48	2,042.29
For K13 Factor Rating, Add	17,998.89	
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	899.94	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,349.92	
For K20 Factor Rating, Add	23,398.56	
For K4 Factor Rating, Add	12,599.22	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 22 Low-Voltage Transformers**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0112	EA		750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	48,847.90	2,470.79
			<i>For K13 Factor Rating, Add</i>	43,903.40	
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,195.17	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	3,292.76	
			<i>For K20 Factor Rating, Add</i>	57,074.42	
			<i>For K4 Factor Rating, Add</i>	30,732.38	
26 22 13 00-0113	EA		1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	63,826.14	2,687.23
			<i>For K13 Factor Rating, Add</i>	58,451.68	
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,922.58	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	4,383.88	
			<i>For K20 Factor Rating, Add</i>	75,987.18	
			<i>For K4 Factor Rating, Add</i>	40,916.18	
26 22 13 00-0114			<b>480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps</b> <small>(26 22 13 00-0056)</small>		
26 22 13 00-0115	EA		6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,163.13	416.53
			<i>For K13 Factor Rating, Add</i>	1,330.09	
			<i>For K20 Factor Rating, Add</i>	1,729.12	
			<i>For K4 Factor Rating, Add</i>	931.06	
26 22 13 00-0116	EA		9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,593.36	443.39
			<i>For K13 Factor Rating, Add</i>	1,706.57	
			<i>For K20 Factor Rating, Add</i>	2,218.54	
			<i>For K4 Factor Rating, Add</i>	1,194.60	
26 22 13 00-0117	EA		15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,309.03	483.70
			<i>For K13 Factor Rating, Add</i>	2,341.63	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	175.62	
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	117.08	
			<i>For K20 Factor Rating, Add</i>	3,044.12	
			<i>For K4 Factor Rating, Add</i>	1,639.14	
26 22 13 00-0118			<b>480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps</b> <small>(26 22 13 00-0056)</small>		
26 22 13 00-0119	EA		30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	6,078.69	591.20
			<i>For K20 Factor Rating, Add</i>	6,365.20	
			<i>For K4 Factor Rating, Add</i>	3,427.42	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	367.22	
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	244.82	
			<i>For K13 Factor Rating, Add</i>	4,896.31	
26 22 13 00-0120	EA		45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	6,845.98	698.68
			<i>For K20 Factor Rating, Add</i>	7,083.21	
			<i>For K4 Factor Rating, Add</i>	3,814.03	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	408.65	
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	272.43	
			<i>For K13 Factor Rating, Add</i>	5,448.62	
26 22 13 00-0121	EA		75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	9,899.04	806.17
			<i>For K20 Factor Rating, Add</i>	10,772.72	
			<i>For K4 Factor Rating, Add</i>	5,800.70	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	621.50	
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	414.34	
			<i>For K13 Factor Rating, Add</i>	8,286.71	
26 22 13 00-0122	EA		112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	12,387.31	967.40
			<i>For K20 Factor Rating, Add</i>	13,588.25	
			<i>For K4 Factor Rating, Add</i>	7,316.75	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	783.94	
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	522.63	
			<i>For K13 Factor Rating, Add</i>	10,452.50	
26 22 13 00-0123	EA		150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	14,838.41	1,074.90
			<i>For K20 Factor Rating, Add</i>	16,495.22	
			<i>For K4 Factor Rating, Add</i>	8,882.04	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	951.65	
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	634.43	
			<i>For K13 Factor Rating, Add</i>	12,688.63	
26 22 13 00-0124	EA		225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	18,989.66	1,343.61
			<i>For K20 Factor Rating, Add</i>	21,193.16	
			<i>For K4 Factor Rating, Add</i>	11,411.70	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,222.68	
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	815.12	
			<i>For K13 Factor Rating, Add</i>	16,302.43	
26 22 13 00-0125	EA		300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	23,118.07	1,666.08
			<i>For K20 Factor Rating, Add</i>	25,721.68	
			<i>For K4 Factor Rating, Add</i>	13,850.14	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,483.94	
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	989.30	
			<i>For K13 Factor Rating, Add</i>	19,785.91	
26 22 13 00-0126	EA		500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	36,581.88	2,042.29
			<i>For K20 Factor Rating, Add</i>	42,246.48	
			<i>For K4 Factor Rating, Add</i>	22,748.10	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,437.30	
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,624.86	
			<i>For K13 Factor Rating, Add</i>	32,497.29	
26 22 13 00-0127			<b>3 Phase 60 Hz K20 Dry Type Transformers</b> <small>(26 22 13 00-0056)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 22 13 00-0128</b> <b>3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise</b> <small>(26 22 13 00-0127)</small>		
<small>Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.</small>		
26 22 13 00-0129 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	3,120.79	483.70
26 22 13 00-0130 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	4,593.46	591.20
26 22 13 00-0131 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	6,591.55	698.68
26 22 13 00-0132 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	8,345.54	806.17
26 22 13 00-0133 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	12,321.12	967.40
26 22 13 00-0134 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	14,896.33	1,074.90
26 22 13 00-0135 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	17,407.20	1,343.61
26 22 13 00-0136 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	27,232.46	1,666.08
<b>26 22 13 00-0137</b> <b>3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise</b> <small>(26 22 13 00-0127)</small>		
<small>Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.</small>		
26 22 13 00-0138 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	3,553.12	483.70
26 22 13 00-0139 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	5,276.09	591.20
26 22 13 00-0140 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	7,629.97	698.68
26 22 13 00-0141 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	9,690.11	806.17
26 22 13 00-0142 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	14,397.97	967.40
26 22 13 00-0143 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	17,446.88	1,074.90
26 22 13 00-0144 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	20,350.78	1,343.61
26 22 13 00-0145 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	32,012.93	1,666.08
<b>26 22 13 00-0146</b> <b>NEMA Premium Efficient Dry Type Transformers</b> <small>(26 22 13 00-0056)</small>		
<b>26 22 13 00-0147</b> <b>Aluminum Windings, NEMA Premium Efficient Dry Type Transformers</b> <small>(26 22 13 00-0146)</small>		
<small>Note: Two taps at 2.5%, four at -2.5%.</small>		
<b>26 22 13 00-0148</b> <b>150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers</b> <small>(26 22 13 00-0147)</small>		
26 22 13 00-0149 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,166.36	483.41
26 22 13 00-0150 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,862.62	590.84
26 22 13 00-0151 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,654.20	698.27
26 22 13 00-0152 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,227.33	805.69
26 22 13 00-0153 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,313.16	966.83
26 22 13 00-0154 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,320.50	1,074.26
26 22 13 00-0155 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	13,669.96	1,342.82
26 22 13 00-0156 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	19,206.57	1,665.10
<b>26 22 13 00-0157</b> <b>115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers</b> <small>(26 22 13 00-0147)</small>		
26 22 13 00-0158 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,828.14	483.41
26 22 13 00-0159 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,664.24	590.84
26 22 13 00-0160 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,631.71	698.27
26 22 13 00-0161 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,612.34	805.69
26 22 13 00-0162 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,742.70	966.83
26 22 13 00-0163 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,772.10	1,074.26
26 22 13 00-0164 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	16,965.47	1,342.82
26 22 13 00-0165 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	23,969.48	1,665.10
<b>26 22 13 00-0166</b> <b>80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers</b> <small>(26 22 13 00-0147)</small>		
26 22 13 00-0167 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,487.25	483.41
26 22 13 00-0168 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,468.08	590.84
26 22 13 00-0169 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,609.24	698.27
26 22 13 00-0170 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,995.12	805.69
26 22 13 00-0171 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	11,546.33	966.83

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0172 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	15,223.70	1,074.26
26 22 13 00-0173 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	20,260.99	1,342.82
26 22 13 00-0174 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	28,732.39	1,665.10
<b>26 22 13 00-0175 Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0146)</b>		
Note: Two taps at 2.5%, four at -2.5%.		
<b>26 22 13 00-0176 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)</b>		
26 22 13 00-0177 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,266.80	483.41
26 22 13 00-0178 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,200.87	590.84
26 22 13 00-0179 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,281.91	698.27
26 22 13 00-0180 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,534.19	805.69
26 22 13 00-0181 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	11,573.04	966.83
26 22 13 00-0182 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	14,491.11	1,074.26
26 22 13 00-0183 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	19,274.56	1,342.82
26 22 13 00-0184 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	27,309.53	1,665.10
<b>26 22 13 00-0185 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)</b>		
26 22 13 00-0186 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,925.91	483.41
26 22 13 00-0187 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,004.72	590.84
26 22 13 00-0188 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,259.44	698.27
26 22 13 00-0189 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,919.20	805.69
26 22 13 00-0190 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	15,082.33	966.83
26 22 13 00-0191 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	19,002.40	1,074.26
26 22 13 00-0192 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	24,253.47	1,342.82
26 22 13 00-0193 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	36,102.77	1,665.10
<b>26 22 13 00-0194 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)</b>		
26 22 13 00-0195 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,587.23	483.41
26 22 13 00-0196 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,808.55	590.84
26 22 13 00-0197 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,236.95	698.27
26 22 13 00-0198 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	11,301.98	805.69
26 22 13 00-0199 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	17,901.34	966.83
26 22 13 00-0200 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	23,092.86	1,074.26
26 22 13 00-0201 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	29,230.14	1,342.82
26 22 13 00-0202 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	43,125.78	1,665.10
<b>26 22 13 00-0203 3 Phase Weathershields (26 22 13 00-0056)</b>		
Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204 EA 45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	568.86	
26 22 13 00-0205 EA 150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	966.02	
26 22 13 00-0206 EA 500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	966.02	
<b>26 22 13 00-0207 Three Phase Mounting Brackets (26 22 13 00-0056)</b>		
26 22 13 00-0208 EA 3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA.....	684.83	190.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0209	<b>Pad Mounted Commercial Type Distribution Transformers UL Listed</b> <small>(26 22 13)</small>	
26 22 13 00-0210	<b>Distribution 3 Phase Oil Filled Transformer</b> <small>(26 22 13 00-0209)</small>	
	Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.	
26 22 13 00-0211	<b>Factory Modifications</b> <small>(26 22 13 00-0210)</small>	
	Note: For use with series 4100 3 phase transformers.	
26 22 13 00-0212	EA Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification .....	1,042.36
26 22 13 00-0213	EA Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification .....	169.50
26 22 13 00-0214	EA Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification.....	677.99
26 22 13 00-0215	EA Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification .....	1,953.34
26 22 13 00-0216	EA Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification .....	239.29
26 22 13 00-0217	EA Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification .....	189.44
26 22 13 00-0218	<b>Accessories For Transformer Liquid Containment Area</b> <small>(26 22 13 00-0210)</small>	
	Note: Reinforced concrete curb with 6" slab.	
26 22 13 00-0219	EA Containment Area For 75 KVA .....	5,433.07
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,339.78
26 22 13 00-0220	EA Containment Area For 112.5 KVA .....	5,433.07
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,339.78
26 22 13 00-0221	EA Containment Area For 150 KVA .....	5,433.07
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,339.78
26 22 13 00-0222	EA Containment Area For 225 KVA .....	5,433.07
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,339.78
26 22 13 00-0223	EA Containment Area For 300 KVA .....	5,425.87
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,337.62
26 22 13 00-0224	EA Containment Area For 500 KVA .....	5,425.87
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,337.62
26 22 13 00-0225	EA Containment Area For 750 KVA .....	5,453.79
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,337.62
26 22 13 00-0226	EA Containment Area For 1,000 KVA .....	5,858.59
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,337.62
26 22 13 00-0227	<b>Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL</b> <small>(26 22 13 00-0210)</small>	
	Note: Rated to 5 KVA.	
26 22 13 00-0228	EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,324.96
26 22 13 00-0229	EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,923.18
26 22 13 00-0230	EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,322.01
26 22 13 00-0231	EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	9,518.47
26 22 13 00-0232	EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	10,583.52
26 22 13 00-0233	EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	10,982.34
26 22 13 00-0234	EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	15,768.18
26 22 13 00-0235	EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	20,233.39
26 22 13 00-0236	EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	25,418.05
26 22 13 00-0237	<b>Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL</b> <small>(26 22 13 00-0210)</small>	
	Note: Rated to 5 KVA.	
26 22 13 00-0238	EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	7,524.37
26 22 13 00-0239	EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	8,322.01
26 22 13 00-0240	EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,521.42
26 22 13 00-0241	EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	8,720.83
26 22 13 00-0242	EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	10,583.52
26 22 13 00-0243	EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	11,381.16
26 22 13 00-0244	EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	15,768.18
26 22 13 00-0245	EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	20,432.79
26 22 13 00-0246	EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	25,418.05



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

**26 22 13 00-0247 Primary 5 KV Or 15 KV, Secondary 277/480 Volt** (26 22 13 00-0209)  
 Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.

26 22 13 00-0248	EA	150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	20,959.82	1,764.78
26 22 13 00-0249	EA	225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	23,055.36	2,083.35
26 22 13 00-0250	EA	300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	26,107.54	2,546.32
26 22 13 00-0251	EA	500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	30,928.50	2,864.89
26 22 13 00-0252	EA	750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	37,482.39	3,015.59
26 22 13 00-0253	EA	1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	46,139.47	4,406.21
26 22 13 00-0254	EA	1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	54,048.46	4,984.92
26 22 13 00-0255	EA	2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	67,161.99	5,729.79
26 22 13 00-0256	EA	2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	73,927.42	6,016.27
26 22 13 00-0257	EA	3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	78,400.38	6,704.09
26 22 13 00-0258	EA	3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	89,541.68	7,162.47

**26 22 13 00-0259 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled** (26 22 13 00-0209)

26 22 13 00-0260	EA	1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled .....	46,920.93	4,787.41
26 22 13 00-0261	EA	2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled .....	57,388.07	5,505.55
26 22 13 00-0262	EA	2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled .....	64,832.69	5,795.28
26 22 13 00-0263	EA	3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled .....	69,152.08	6,477.11
26 22 13 00-0264	EA	3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled .....	76,995.28	6,673.38

**26 22 13 00-0265 Silicone Filled Distribution Transformers, 3 Phase** (26 22 13 00-0209)  
 Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.

26 22 13 00-0266	EA	225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	35,192.33	2,083.35
26 22 13 00-0267	EA	300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	38,097.90	2,546.32
26 22 13 00-0268	EA	500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	44,524.80	2,864.89
26 22 13 00-0269	EA	750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	53,487.58	3,015.59
26 22 13 00-0270	EA	1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	64,932.50	4,406.21
26 22 13 00-0271	EA	1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	81,899.67	4,984.92
26 22 13 00-0272	EA	2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	99,334.78	5,729.79
26 22 13 00-0273	EA	2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	113,074.01	6,016.27

**26 22 13 00-0274 Foam Core Poly Transformer Pads** (26 22 13)

26 22 13 00-0275	EA	Single Phase Foam Core Poly Pads.....	187.63	37.65
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Note: Excludes site prep.

**26 24 Switchboards and Panelboards** (26 20)

**26 24 13 Switchboards** (26 24)

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

**26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire** (26 24 13)

**26 24 13 00-0002 Incoming Service Section Main Device Only** (26 24 13 00-0001)  
 Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0003	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	3,801.13	912.41
26 24 13 00-0004	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	4,214.08	965.09
26 24 13 00-0005	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	6,877.46	1,094.74
26 24 13 00-0006	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	7,409.34	1,173.60
26 24 13 00-0007	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	11,985.70	1,251.31
26 24 13 00-0008	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	13,375.58	1,330.49
26 24 13 00-0009	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	4,631.55	912.41
26 24 13 00-0010	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	5,964.19	965.09
26 24 13 00-0011	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	8,351.33	1,095.68
26 24 13 00-0012	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	11,473.85	1,173.60
26 24 13 00-0013	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	11,985.70	1,252.57
26 24 13 00-0014	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	13,375.58	1,330.49
26 24 13 00-0015	EA	2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	16,107.67	1,390.99
26 24 13 00-0016	EA	3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	18,271.43	1,490.19
26 24 13 00-0017	EA	4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	21,592.07	1,606.40
26 24 13 00-0018	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,551.22	808.41
26 24 13 00-0019	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,824.00	860.67
26 24 13 00-0020	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,233.85	990.74
26 24 13 00-0021	EA	1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,491.32	1,032.37
26 24 13 00-0022	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,722.56	1,069.61
26 24 13 00-0023	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,083.12	1,146.80
26 24 13 00-0024	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,415.78	1,225.45

**26 24 13 00-0025 Branch Breaker Units** (26 24 13 00-0001)  
 Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0026	EA	15 To 60 Amperes, 240 Volt, MC Branch Breaker .....	333.14	31.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.09	
26 24 13 00-0027	EA	70 To 100 Amperes, 240 Volt, MC Branch Breaker .....	487.56	50.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.04	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0028 EA 125 To 225 Amperes, 240 Volt, MC Branch Breaker.....	1,316.15	91.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.76	
26 24 13 00-0029 EA 100 To 400 Amperes, 240 Volt, MC Branch Breaker.....	2,343.35	118.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.35	
26 24 13 00-0030 EA 300 To 600 Amperes, 240 Volt, MC Branch Breaker.....	4,161.76	292.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	175.22	
26 24 13 00-0031 EA 400 To 800 Amperes, 240 Volt, MC Branch Breaker.....	6,690.07	292.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	175.22	
26 24 13 00-0032 EA 600 To 1,200 Amperes, 240 Volt, MC Branch Breaker.....	10,808.29	520.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	312.31	
<b>26 24 13 00-0033 Fusible Switch Type 480 Volt, 3 Phase, 3 Wire (26 24 13)</b>		
<b>26 24 13 00-0034 Incoming Service Section Main Device Only (26 24 13 00-0033)</b>		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035 EA 400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	5,387.84	1,183.93
26 24 13 00-0036 EA 600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	6,028.09	1,183.93
26 24 13 00-0037 EA 800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	9,008.37	1,538.59
26 24 13 00-0038 EA 1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	10,222.41	1,538.59
<b>26 24 13 00-0039 Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire (26 24 13)</b>		
<b>26 24 13 00-0040 Incoming Service Section Main Device Only (26 24 13 00-0039)</b>		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041 EA 200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	3,422.42	808.41
26 24 13 00-0042 EA 600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	3,816.72	860.67
26 24 13 00-0043 EA 800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	5,897.86	990.74
26 24 13 00-0044 EA 1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	6,409.21	1,068.78
26 24 13 00-0045 EA 200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	4,210.72	808.41
26 24 13 00-0046 EA 600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	5,342.80	860.67
26 24 13 00-0047 EA 800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	7,535.12	990.74
26 24 13 00-0048 EA 1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	10,874.60	1,068.78
26 24 13 00-0049 EA 2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	12,775.08	1,199.58
26 24 13 00-0050 EA 200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	2,374.95	704.00
26 24 13 00-0051 EA 600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	2,666.47	756.36
26 24 13 00-0052 EA 800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,130.43	886.44
26 24 13 00-0053 EA 1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,373.73	928.05
26 24 13 00-0054 EA 1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,609.63	965.09
26 24 13 00-0055 EA 1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,919.29	1,032.37
26 24 13 00-0056 EA 2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	4,222.66	1,094.74
26 24 13 00-0057 EA 2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	5,242.26	1,356.04
26 24 13 00-0058 EA 3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	5,872.38	1,486.44
26 24 13 00-0059 EA 4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	6,932.05	1,603.78
<b>26 24 13 00-0060 Branch Breaker Units (26 24 13 00-0039)</b>		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061 EA 15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker.....	177.57	27.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.58	
26 24 13 00-0062 EA 70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker.....	281.80	45.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.54	
26 24 13 00-0063 EA 125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker.....	869.44	64.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.49	
26 24 13 00-0064 EA 100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker.....	2,514.57	82.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.44	
26 24 13 00-0065 EA 300 To 600 Amperes, 120/240 Volt, MC Branch Breaker.....	3,950.64	200.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.47	
26 24 13 00-0066 EA 400 To 800 Amperes, 120/240 Volt, MC Branch Breaker.....	5,628.32	200.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.47	
26 24 13 00-0067 EA 600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker.....	9,273.08	383.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	230.03	
<b>26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire (26 24 13)</b>		
<b>26 24 13 00-0069 Incoming Service Section Main Device Only (26 24 13 00-0068)</b>		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070 EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	3,802.41	912.41
26 24 13 00-0071 EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	4,212.65	965.09
26 24 13 00-0072 EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	6,875.62	1,094.74
26 24 13 00-0073 EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	7,407.23	1,173.60
26 24 13 00-0074 EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	11,980.89	1,251.31
26 24 13 00-0075 EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	13,375.58	1,330.49
26 24 13 00-0076 EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	4,632.83	912.41
26 24 13 00-0077 EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	5,962.76	965.09
26 24 13 00-0078 EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	8,351.33	1,095.68
26 24 13 00-0079 EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	11,471.74	1,173.60
26 24 13 00-0080 EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	11,983.29	1,252.57
26 24 13 00-0081 EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	13,375.58	1,330.49
26 24 13 00-0082 EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,682.96	808.41

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 24</b>	<b>Switchboards and Panelboards</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0083 EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,006.51	860.67
26 24 13 00-0084 EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,507.67	990.74
26 24 13 00-0085 EA 1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,779.49	1,032.37
26 24 13 00-0086 EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,042.66	1,069.61
26 24 13 00-0087 EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,390.66	1,146.80
26 24 13 00-0088 EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,743.41	1,225.45
26 24 13 00-0089 EA 2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,640.57	1,392.56
26 24 13 00-0090 EA 3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	6,249.00	1,490.09
26 24 13 00-0091 EA 4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	7,403.32	1,601.17
<b>26 24 13 00-0092 Branch Breaker Units</b> <small>(26 24 13 00-0068)</small>		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0093 EA 15 To 60 Amperes, 120/208 Volt, MC Branch Breaker.....	333.14	31.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.09	
26 24 13 00-0094 EA 70 To 100 Amperes, 120/208 Volt, MC Branch Breaker.....	487.56	50.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.04	
26 24 13 00-0095 EA 125 To 225 Amperes, 120/208 Volt, MC Branch Breaker.....	1,316.15	91.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.76	
26 24 13 00-0096 EA 100 To 400 Amperes, 120/208 Volt, MC Branch Breaker.....	2,343.35	118.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.35	
26 24 13 00-0097 EA 300 To 600 Amperes, 120/208 Volt, MC Branch Breaker.....	4,161.76	292.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	175.22	
26 24 13 00-0098 EA 400 To 800 Amperes, 120/208 Volt, MC Branch Breaker.....	6,690.07	292.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	175.22	
26 24 13 00-0099 EA 600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker.....	10,839.29	520.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	312.31	
<b>26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire</b> <small>(26 24 13)</small>		
<b>26 24 13 00-0101 Incoming Service Section Main Device Only</b> <small>(26 24 13 00-0100)</small>		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102 EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	4,918.13	1,251.31
26 24 13 00-0103 EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	5,404.91	1,330.49
26 24 13 00-0104 EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	7,752.20	1,485.07
26 24 13 00-0105 EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	8,479.40	1,590.11
26 24 13 00-0106 EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	6,327.98	1,251.31
26 24 13 00-0107 EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	8,564.88	1,330.49
26 24 13 00-0108 EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	9,707.83	1,486.75
26 24 13 00-0109 EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	12,304.72	1,590.11
26 24 13 00-0110 EA 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	12,869.35	1,695.58
26 24 13 00-0111 EA 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	14,316.49	1,800.94
26 24 13 00-0112 EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,682.96	808.41
26 24 13 00-0113 EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,006.51	860.67
26 24 13 00-0114 EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,507.67	990.74
26 24 13 00-0115 EA 1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,779.49	1,032.37
26 24 13 00-0116 EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,042.66	1,069.61
26 24 13 00-0117 EA 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,390.66	1,146.80
26 24 13 00-0118 EA 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,743.41	1,225.45
<b>26 24 13 00-0119 Branch Breaker Units</b> <small>(26 24 13 00-0100)</small>		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120 EA 15 To 60 Amperes, 480/277 Volt, MC Branch Breaker.....	695.29	31.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.09	
26 24 13 00-0121 EA 70 To 100 Amperes, 480/277 Volt, MC Branch Breaker.....	799.17	50.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.04	
26 24 13 00-0122 EA 125 To 225 Amperes, 480/277 Volt, MC Branch Breaker.....	1,449.22	91.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.76	
26 24 13 00-0123 EA 100 To 400 Amperes, 480/277 Volt, MC Branch Breaker.....	2,343.35	118.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.35	
26 24 13 00-0124 EA 300 To 600 Amperes, 480/277 Volt, MC Branch Breaker.....	5,613.72	292.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	175.22	
26 24 13 00-0125 EA 400 To 800 Amperes, 480/277 Volt, MC Branch Breaker.....	5,743.42	292.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	175.22	
26 24 13 00-0126 EA 600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker.....	9,207.09	520.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	312.31	
<b>26 24 13 00-0127 Fusible Branch Circuit Switch</b> <small>(26 24 13)</small>		
<b>26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units</b> <small>(26 24 13 00-0127)</small>		
26 24 13 00-0129 EA 30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	708.12	81.88
For Electrical Interlock Kit, Add	294.47	
26 24 13 00-0130 EA 30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	705.60	81.88
For Electrical Interlock Kit, Add	294.47	
26 24 13 00-0131 EA 60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	705.60	81.88
For Electrical Interlock Kit, Add	294.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0132 EA 60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	1,110.87 294.47	107.96
26 24 13 00-0133 EA 100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	1,110.87 294.47	107.96
<b>26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units (26 24 13 00-0127)</b>		
26 24 13 00-0135 EA 100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	812.25 282.09	80.32
26 24 13 00-0136 EA 200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	1,190.53 282.09	80.32
26 24 13 00-0137 EA 400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit .....	3,058.36	216.45
<b>26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)</b>		
26 24 13 00-0139 EA 30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	909.55 294.47	92.32
26 24 13 00-0140 EA 30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	907.03 294.47	92.32
26 24 13 00-0141 EA 60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	907.03 294.47	92.32
26 24 13 00-0142 EA 60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	1,368.96 294.47	123.61
26 24 13 00-0143 EA 100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	1,368.96 294.47	123.61
<b>26 24 13 00-0144 240 Volt, 3 Pole Single Branch Switch Units (26 24 13 00-0127)</b>		
26 24 13 00-0145 EA 100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	984.87 294.47	90.75
26 24 13 00-0146 EA 200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	1,601.53 282.09	90.75
26 24 13 00-0147 EA 400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit .....	4,104.10	242.31
26 24 13 00-0148 EA 600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit .....	5,866.87	310.43
26 24 13 00-0149 EA 800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit .....	10,946.32	420.58
<b>26 24 13 00-0150 600 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)</b>		
26 24 13 00-0151 EA 30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	1,291.41 294.47	92.32
26 24 13 00-0152 EA 30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	1,288.85 294.47	92.32
26 24 13 00-0153 EA 60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	1,291.41 294.47	92.32
26 24 13 00-0154 EA 60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	1,945.12 294.47	123.61
26 24 13 00-0155 EA 100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	1,987.76 294.47	123.61
26 24 13 00-0156 EA 200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	4,249.53 294.47	161.69
<b>26 24 13 00-0157 600 Volt, 3 Pole, Single Branch Switch Units (26 24 13 00-0127)</b>		
26 24 13 00-0158 EA 100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	1,396.14 294.47	90.75
26 24 13 00-0159 EA 200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	2,123.65 282.09	90.75
26 24 13 00-0160 EA 400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit ..... <i>For Electrical Interlock Kit, Add</i>	5,163.20 282.09	242.31
26 24 13 00-0161 EA 600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit .....	6,267.74	310.43
26 24 13 00-0162 EA 800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit .....	10,946.32	420.58
<b>26 24 13 00-0163 Service And Distribution Structures (26 24 13)</b>		
<b>26 24 13 00-0164 Distribution Section 600 Volt, 250 Volt DC (26 24 13 00-0163)</b>		
<b>26 24 13 00-0165 600 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		
26 24 13 00-0166 EA 14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	2,487.10	959.66
26 24 13 00-0167 EA 24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	2,977.76	959.66
26 24 13 00-0168 EA 34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,315.91	1,220.44
26 24 13 00-0169 EA 42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,652.89	1,220.44
<b>26 24 13 00-0170 800 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		
26 24 13 00-0171 EA 14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	2,793.77	1,110.91
26 24 13 00-0172 EA 24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,271.11	1,110.91
26 24 13 00-0173 EA 34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,652.89	1,376.91
26 24 13 00-0174 EA 42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,955.62	1,376.91
<b>26 24 13 00-0175 1,200 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0176 EA 14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,268.42	1,356.04
26 24 13 00-0177 EA 24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,757.15	1,356.04
26 24 13 00-0178 EA 34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,162.58	1,668.98
26 24 13 00-0179 EA 42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,606.08	1,668.98
<b>26 24 13 00-0180 1,600 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		
26 24 13 00-0181 EA 14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,065.69	1,486.44
26 24 13 00-0182 EA 24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,645.58	1,486.44
26 24 13 00-0183 EA 34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,126.37	1,835.88
26 24 13 00-0184 EA 42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,512.70	1,835.88
<b>26 24 13 00-0185 2,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		
26 24 13 00-0186 EA 14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,259.08	1,491.65
26 24 13 00-0187 EA 24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,884.40	1,679.41
26 24 13 00-0188 EA 34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,992.64	1,679.41
26 24 13 00-0189 EA 42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,197.32	1,773.28
<b>26 24 13 00-0190 3,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		
26 24 13 00-0191 EA 24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,913.42	1,679.41
26 24 13 00-0192 EA 34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,020.03	1,679.41
26 24 13 00-0193 EA 42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,224.71	1,773.28
<b>26 24 13 00-0194 4,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		
26 24 13 00-0195 EA 24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,047.15	1,773.28
26 24 13 00-0196 EA 34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,224.71	1,773.28
26 24 13 00-0197 EA 42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,298.63	1,773.28
<b>26 24 13 00-0198 Pull Boy, Horizontal Mounted Across Top Of Switch Board (26 24 13 00-0164)</b>		
26 24 13 00-0199 EA 18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard.....	539.36	125.17
26 24 13 00-0200 EA Drilled Bottom For Pull Boy.....	607.89	125.17
26 24 13 00-0201 EA Cable Supports In Pull Box.....	219.49	31.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		17.39
<b>26 24 13 00-0202 Underground Pull Sections (26 24 13 00-0164)</b>		
Note: Excludes no bus or terminal.		
26 24 13 00-0203 EA 12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal.....	520.65	146.04
26 24 13 00-0204 EA 24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal.....	905.91	187.76
26 24 13 00-0205 EA 24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal.....	905.91	187.76
26 24 13 00-0206 EA 14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	676.67	146.04
26 24 13 00-0207 EA 24 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	971.47	213.84
26 24 13 00-0208 EA 14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,107.52	213.84
26 24 13 00-0209 EA 24 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,159.33	276.42
26 24 13 00-0210 EA 38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,222.44	276.42
<b>26 24 13 00-0211 Switchboard Sections (26 24 13 00-0163)</b>		
26 24 13 00-0212 EA 600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	4,211.93	869.22
26 24 13 00-0213 EA 800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	4,614.03	944.85
26 24 13 00-0214 EA 1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	5,784.19	1,207.30
26 24 13 00-0215 EA 1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	6,326.32	1,317.03
26 24 13 00-0216 EA 2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	6,747.19	1,402.04
26 24 13 00-0217 EA 400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section.....	5,037.99	762.52
26 24 13 00-0218 EA 200 Amperes, Distribution Section Subfeeder Lug-Rated.....	2,839.61	724.34
26 24 13 00-0219 EA 400 Amperes, Distribution Section Subfeeder Lug-Rated.....	3,148.19	785.47
26 24 13 00-0220 EA 120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus.....	5,325.46	869.22
26 24 13 00-0221 EA 800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	5,740.00	871.52
26 24 13 00-0222 EA 1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	6,311.95	973.02
26 24 13 00-0223 EA 15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	157.80	52.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		31.85
26 24 13 00-0224 EA 70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	192.81	53.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		37.63
26 24 13 00-0225 EA 70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame.....	908.29	62.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		81.07
26 24 13 00-0226 EA 125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,509.06	135.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		112.89
26 24 13 00-0227 EA 100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker.....	597.28	188.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		65.20
26 24 13 00-0228 EA 225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker.....	1,704.10	108.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		81.07
<b>26 24 13 00-0229 Switchboard, Structure Per Section Copper, 480 Volt (26 24 13 00-0163)</b>		
26 24 13 00-0230 EA 225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	2,183.23	452.71
26 24 13 00-0231 EA 400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	3,108.78	612.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0232 EA 600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	3,481.79	745.09
26 24 13 00-0233 EA 800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	4,380.54	1,043.11
26 24 13 00-0234 EA 1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	5,427.13	1,303.89
26 24 13 00-0235 EA 1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	5,995.02	1,303.89
26 24 13 00-0236 EA 2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	7,387.97	1,738.56
26 24 13 00-0237 EA 2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	8,476.87	1,738.56
26 24 13 00-0238 EA 3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	9,965.55	2,069.64
26 24 13 00-0239 EA 4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	11,969.23	2,069.64
<b>26 24 13 00-0240 Main Devices <small>(26 24 13)</small></b>		
<b>26 24 13 00-0241 Power Circuit Breakers <small>(26 24 13 00-0240)</small></b>		
<b>26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector <small>(26 24 13 00-0241)</small></b>		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243 EA 50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip.....	7,713.80	1,095.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	655.77	
26 24 13 00-0244 EA 50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip.....	14,094.05	1,825.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1,094.17	
26 24 13 00-0245 EA 1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip.....	31,857.33	3,066.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1,823.62	
26 24 13 00-0246 EA 4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip.....	51,303.68	4,965.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3,032.30	
26 24 13 00-0247 EA Ground-Fault Trip All Power Breakers - Factory Installed.....	2,726.80	
26 24 13 00-0248 EA Key Interlock All Power Breakers - Factory Installed.....	352.16	
26 24 13 00-0249 EA Short Time Delay Selective Trip - Factory Installed.....	462.01	
26 24 13 00-0250 EA Shunt Trip Manually Open Breakers - Factory Installed.....	332.77	
<b>26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector <small>(26 24 13 00-0241)</small></b>		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252 EA 50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip.....	9,051.65	1,147.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	691.72	
26 24 13 00-0253 EA 50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip.....	16,838.14	1,929.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1,152.18	
26 24 13 00-0254 EA 1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip.....	35,812.96	3,181.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1,917.49	
26 24 13 00-0255 EA 4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip.....	55,266.27	5,215.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3,206.28	
<b>26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated <small>(26 24 13 00-0241)</small></b>		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257 EA 50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip.....	6,125.26	1,001.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	601.79	
26 24 13 00-0258 EA 50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip.....	11,224.86	1,679.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1,002.99	
26 24 13 00-0259 EA 2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip.....	16,603.76	2,816.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1,671.65	
26 24 13 00-0260 EA 1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip.....	28,673.26	4,537.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2,784.11	
26 24 13 00-0261 EA 4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip.....	46,643.46	7,406.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4,629.19	
<b>26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated <small>(26 24 13 00-0241)</small></b>		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263 EA 50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	7,250.55	959.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	573.98	
26 24 13 00-0264 EA 50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	13,552.42	1,606.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	956.40	
26 24 13 00-0265 EA 2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	19,256.47	2,670.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1,596.60	
26 24 13 00-0266 EA 1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	31,776.41	4,349.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2,661.00	
26 24 13 00-0267 EA 4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	49,640.16	7,458.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4,445.08	
<b>26 24 13 00-0268 Molded Case Circuit Breakers Conventional <small>(26 24 13 00-0241)</small></b>		
26 24 13 00-0269 EA 70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	2,556.37	876.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	504.73	
26 24 13 00-0270 EA 125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	3,773.35	876.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	549.01	
26 24 13 00-0271 EA 300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	4,186.77	1,043.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	601.79	
26 24 13 00-0272 EA 400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	4,988.80	1,043.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	651.95	
26 24 13 00-0273 EA 600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	7,450.67	1,251.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	714.46	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0274	EA		1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	12,108.46	1,251.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	790.24	
26 24 13 00-0275	EA		Shunt Trip, Factory Installed.....	348.93	
26 24 13 00-0276	EA		Groundfault Trip Complete Interrupting Circuit, Factory Installed.....	80.77	
<b>26 24 13 00-0277</b>			<b>Switchboard Branch Breaker 480 Volt</b> <small>(26 24 13 00-02 40)</small>		
26 24 13 00-0278	EA		60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	543.61	75.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.35	
26 24 13 00-0279	EA		100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	639.91	100.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.18	
26 24 13 00-0280	EA		225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	1,866.55	151.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.65	
26 24 13 00-0281	EA		400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,468.43	189.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.71	
26 24 13 00-0282	EA		600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,984.82	254.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	152.50	
26 24 13 00-0283	EA		800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	3,602.55	325.98
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.58	
26 24 13 00-0284	EA		1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	5,797.73	496.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	298.03	
26 24 13 00-0285	EA		1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	5,797.73	496.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	298.03	
26 24 13 00-0286	EA		1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	8,131.81	695.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	417.24	
26 24 13 00-0287	EA		2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	10,126.40	1,043.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	625.87	
<b>26 24 13 00-0288</b>			<b>Switchboard 277/480 Volt Main Breaker</b> <small>(26 24 13 00-02 40)</small>		
26 24 13 00-0289	EA		400 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	6,597.76	452.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	271.64	
26 24 13 00-0290	EA		600 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	6,683.83	495.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	297.47	
26 24 13 00-0291	EA		800 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	7,182.44	745.09
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	447.05	
26 24 13 00-0292	EA		1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	12,312.24	1,043.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	625.87	
26 24 13 00-0293	EA		1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	12,533.79	1,153.89
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	692.33	
26 24 13 00-0294	EA		2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	16,482.88	2,069.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,241.80	
<b>26 24 13 00-0295</b>			<b>Branch Or Distribution Devices</b> <small>(26 24 13)</small>		
<b>26 24 13 00-0296</b>			<b>3 Pole, Panel Mounted, Molded Case Circuit Breakers</b> <small>(26 24 13 00-02 95)</small>		
			Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297	EA		15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	591.32	37.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.03	
26 24 13 00-0298	EA		70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	594.42	46.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.29	
26 24 13 00-0299	EA		125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,447.79	56.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.55	
26 24 13 00-0300	EA		70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,102.17	73.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.51	
26 24 13 00-0301	EA		125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,967.61	90.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.08	
26 24 13 00-0302	EA		300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	3,890.68	105.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.41	
26 24 13 00-0303	EA		900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	5,952.20	118.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.49	
<b>26 24 13 00-0304</b>			<b>2 Pole, Panel Mounted, Molded Case Circuit Breakers</b> <small>(26 24 13 00-02 95)</small>		
			Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305	EA		15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	406.75	28.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.78	
26 24 13 00-0306	EA		70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	522.17	37.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.03	
26 24 13 00-0307	EA		125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,445.49	46.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.29	
26 24 13 00-0308	EA		70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,297.23	52.15
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.42	
26 24 13 00-0309	EA		125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,423.41	67.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.38	
26 24 13 00-0310	EA		900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	5,509.49	98.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.72	
<b>26 24 13 00-0311</b>			<b>Meter Devices And Instrumentation</b> <small>(26 24 13)</small>		
			Note: Factory installed accessories.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 13 00-0312</b> <b>Compartments For Instrument Transformers And Metering Devices</b> <small>(26 24 13 00-0311)</small>		
26 24 13 00-0313    EA    Compartment For, Up To 800 Amperes, Primary Current Transformer .....	421.62	
26 24 13 00-0314    EA    Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer.....	609.01	
26 24 13 00-0315    EA    Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer.....	717.24	
 <b>26 24 13 00-0316</b> <b>Instruments</b> <small>(26 24 13 00-0311)</small>		
26 24 13 00-0317    EA    AC Voltmeter .....	575.08	
26 24 13 00-0318    EA    AC Ammeter .....	575.08	
26 24 13 00-0319    EA    AC Wattmeter .....	1,536.25	
26 24 13 00-0320    EA    Variometer .....	1,734.94	
26 24 13 00-0321    EA    Power Factor Meter .....	1,386.02	
26 24 13 00-0322    EA    Frequency Meter.....	1,529.79	
26 24 13 00-0323    EA    200 Volt-Amperes Max Potential Transformer.....	516.93	
26 24 13 00-0324    EA    AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block.....	1,946.56	
26 24 13 00-0325    EA    AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2.....	3,256.65	
26 24 13 00-0326    EA    Weatherproof, Modify Meter .....	3,095.84	
26 24 13 00-0327    EA    Control Switch Resistor Type 130 V .....	71.43	
26 24 13 00-0328    EA    Metering Instrument: Voltage, Amperes And Watt Hour .....	3,928.34	
 <b>26 24 16</b> <b>Panelboards</b> <small>(26 24)</small>		
<b>26 24 16 00-0001</b> <b>Branch Circuit Panelboard</b> <small>(26 24 16)</small>		
Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
<b>26 24 16 00-0002</b> <b>Assembled Lighting And Power Panelboards</b> <small>(26 24 16 00-0001)</small>		
Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
<b>26 24 16 00-0003</b> <b>120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0004    EA    100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,155.60	297.28
<i>For NEMA 3R Panelboard, Add</i>		
	1,420.16	
26 24 16 00-0005    EA    100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers .....	1,312.04	297.28
<i>For NEMA 3R Panelboard, Add</i>		
	1,420.16	
26 24 16 00-0006    EA    100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers .....	1,488.65	412.03
<i>For NEMA 3R Panelboard, Add</i>		
	1,420.16	
26 24 16 00-0007    EA    100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers .....	1,668.02	412.03
<i>For NEMA 3R Panelboard, Add</i>		
	1,420.16	
26 24 16 00-0008    EA    100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	1,836.29	516.34
<i>For NEMA 3R Panelboard, Add</i>		
	1,420.16	
26 24 16 00-0009    EA    100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,008.96	516.34
<i>For NEMA 3R Panelboard, Add</i>		
	1,420.16	
26 24 16 00-0010    EA    100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers .....	2,175.97	594.58
<i>For NEMA 3R Panelboard, Add</i>		
	1,420.16	
26 24 16 00-0011    EA    225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers .....	2,611.22	761.48
<i>For NEMA 3R Panelboard, Add</i>		
	1,561.78	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
	114.12	
26 24 16 00-0012    EA    225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	2,746.81	761.48
<i>For NEMA 3R Panelboard, Add</i>		
	1,561.78	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
	114.12	
26 24 16 00-0013    EA    225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	2,881.04	871.00
<i>For NEMA 3R Panelboard, Add</i>		
	1,561.78	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
	114.12	
26 24 16 00-0014    EA    225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,098.02	871.00
<i>For NEMA 3R Panelboard, Add</i>		
	1,844.84	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
	194.90	
26 24 16 00-0015    EA    225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,232.22	980.53
<i>For NEMA 3R Panelboard, Add</i>		
	1,844.84	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
	194.90	
26 24 16 00-0016    EA    225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	3,430.64	980.53
<i>For NEMA 3R Panelboard, Add</i>		
	1,844.84	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
	194.90	
26 24 16 00-0017    EA    225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers .....	3,550.84	1,084.84
<i>For NEMA 3R Panelboard, Add</i>		
	1,844.84	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
	194.90	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0018	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	3,751.80	1,084.84
			<i>For NEMA 3R Panelboard, Add</i> .....	1,844.84	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	194.90	
26 24 16 00-0019	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	3,935.08	1,199.58
			<i>For NEMA 3R Panelboard, Add</i> .....	1,844.84	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	194.90	
26 24 16 00-0020	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	4,063.14	1,199.58
			<i>For NEMA 3R Panelboard, Add</i> .....	1,920.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	249.10	
26 24 16 00-0021	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	4,246.39	1,199.58
			<i>For NEMA 3R Panelboard, Add</i> .....	1,920.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	249.10	
<b>26 24 16 00-0022</b>			<b>120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards</b> <small>(26 24 16 00-0022)</small>		
26 24 16 00-0023	EA		50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,376.59	286.86
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0024	EA		50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,535.30	286.86
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0025	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	1,898.17	490.26
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0026	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,153.48	490.26
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0027	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,325.21	599.79
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0028	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,504.05	599.79
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0029	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	2,663.30	719.75
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0030	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,224.34	719.75
			<i>For NEMA 3R Panelboard, Add</i> .....	1,561.78	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	114.12	
26 24 16 00-0031	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,365.78	881.42
			<i>For NEMA 3R Panelboard, Add</i> .....	1,561.78	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	114.12	
26 24 16 00-0032	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,519.04	881.42
			<i>For NEMA 3R Panelboard, Add</i> .....	1,561.78	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	114.12	
26 24 16 00-0033	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,686.51	990.96
			<i>For NEMA 3R Panelboard, Add</i> .....	1,844.84	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	194.90	
26 24 16 00-0034	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,823.08	990.96
			<i>For NEMA 3R Panelboard, Add</i> .....	1,844.84	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	194.90	
26 24 16 00-0035	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	3,968.44	1,084.84
			<i>For NEMA 3R Panelboard, Add</i> .....	1,844.84	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	194.90	
26 24 16 00-0036	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	4,123.90	1,084.84
			<i>For NEMA 3R Panelboard, Add</i> .....	1,844.84	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	194.90	
26 24 16 00-0037	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,291.11	1,283.03
			<i>For NEMA 3R Panelboard, Add</i> .....	1,844.84	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	194.90	
26 24 16 00-0038	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	4,472.10	1,283.03
			<i>For NEMA 3R Panelboard, Add</i> .....	1,844.84	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	194.90	
26 24 16 00-0039	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	4,669.35	1,283.03
			<i>For NEMA 3R Panelboard, Add</i> .....	1,920.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	249.10	
26 24 16 00-0040	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	4,792.48	1,356.04
			<i>For NEMA 3R Panelboard, Add</i> .....	1,920.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	249.10	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0041 120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0042 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,396.88	339.01
For NEMA 3R Panelboard, Add	1,420.16	
26 24 16 00-0043 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers .....	1,566.27	339.01
For NEMA 3R Panelboard, Add	1,420.16	
26 24 16 00-0044 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers .....	1,758.87	453.76
For NEMA 3R Panelboard, Add	1,420.16	
26 24 16 00-0045 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers .....	1,961.66	453.76
For NEMA 3R Panelboard, Add	1,420.16	
26 24 16 00-0046 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,143.15	558.06
For NEMA 3R Panelboard, Add	1,420.16	
26 24 16 00-0047 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,336.89	558.06
For NEMA 3R Panelboard, Add	1,420.16	
26 24 16 00-0048 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers .....	2,519.66	662.37
For NEMA 3R Panelboard, Add	1,420.16	
26 24 16 00-0049 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers .....	2,707.67	662.37
For NEMA 3R Panelboard, Add	1,561.78	
For Door-In-Door (Hinged) Trim Front, Add	114.12	
26 24 16 00-0050 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	2,883.49	777.12
For NEMA 3R Panelboard, Add	1,561.78	
For Door-In-Door (Hinged) Trim Front, Add	114.12	
26 24 16 00-0051 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers .....	3,085.99	777.12
For NEMA 3R Panelboard, Add	1,561.78	
For Door-In-Door (Hinged) Trim Front, Add	114.12	
26 24 16 00-0052 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,291.44	897.07
For NEMA 3R Panelboard, Add	1,561.78	
For Door-In-Door (Hinged) Trim Front, Add	114.12	
26 24 16 00-0053 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,493.90	897.07
For NEMA 3R Panelboard, Add	1,561.78	
For Door-In-Door (Hinged) Trim Front, Add	114.12	
26 24 16 00-0054 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	3,895.62	1,084.84
For NEMA 3R Panelboard, Add	1,844.84	
For Door-In-Door (Hinged) Trim Front, Add	194.90	
26 24 16 00-0055 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers .....	4,031.54	1,084.84
For NEMA 3R Panelboard, Add	1,844.84	
For Door-In-Door (Hinged) Trim Front, Add	194.90	
26 24 16 00-0056 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,268.24	1,204.79
For NEMA 3R Panelboard, Add	1,844.84	
For Door-In-Door (Hinged) Trim Front, Add	194.90	
26 24 16 00-0057 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers .....	4,481.62	1,204.79
For NEMA 3R Panelboard, Add	1,844.84	
For Door-In-Door (Hinged) Trim Front, Add	194.90	
26 24 16 00-0058 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	4,633.80	1,314.32
For NEMA 3R Panelboard, Add	1,920.10	
For Door-In-Door (Hinged) Trim Front, Add	249.10	
26 24 16 00-0059 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	4,845.52	1,314.32
For NEMA 3R Panelboard, Add	1,920.10	
For Door-In-Door (Hinged) Trim Front, Add	249.10	
26 24 16 00-0060 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,729.10	1,166.20
For NEMA 3R Panelboard, Add	1,844.84	
For Door-In-Door (Hinged) Trim Front, Add	194.90	
26 24 16 00-0061 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers .....	4,879.15	1,225.66
For NEMA 3R Panelboard, Add	1,844.84	
For Door-In-Door (Hinged) Trim Front, Add	194.90	
26 24 16 00-0062 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,126.25	1,290.85
For NEMA 3R Panelboard, Add	1,844.84	
For Door-In-Door (Hinged) Trim Front, Add	194.90	
26 24 16 00-0063 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers .....	5,355.32	1,366.48
For NEMA 3R Panelboard, Add	1,844.84	
For Door-In-Door (Hinged) Trim Front, Add	194.90	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0064	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,516.58	1,408.20
			<i>For NEMA 3R Panelboard, Add</i> .....	1,920.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	249.10	
26 24 16 00-0065	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,774.30	1,494.26
			<i>For NEMA 3R Panelboard, Add</i> .....	1,920.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	249.10	
<b>26 24 16 00-0066</b>			<b>120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0067	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,670.21	328.58
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0068	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,841.73	328.58
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0069	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,046.57	432.89
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0070	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,334.24	432.89
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0071	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,748.42	651.94
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0072	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,925.97	651.94
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0073	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,117.73	761.48
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0074	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,276.81	761.48
			<i>For NEMA 3R Panelboard, Add</i> .....	1,561.78	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	114.12	
26 24 16 00-0075	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,492.26	881.42
			<i>For NEMA 3R Panelboard, Add</i> .....	1,561.78	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	114.12	
26 24 16 00-0076	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,638.36	881.42
			<i>For NEMA 3R Panelboard, Add</i> .....	1,561.78	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	114.12	
26 24 16 00-0077	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,877.78	990.96
			<i>For NEMA 3R Panelboard, Add</i> .....	1,561.78	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	114.12	
26 24 16 00-0078	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,083.84	990.96
			<i>For NEMA 3R Panelboard, Add</i> .....	1,561.78	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	114.12	
26 24 16 00-0079	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,805.25	1,147.43
			<i>For NEMA 3R Panelboard, Add</i> .....	1,844.84	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	194.90	
26 24 16 00-0080	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,016.46	1,210.01
			<i>For NEMA 3R Panelboard, Add</i> .....	1,844.84	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	194.90	
26 24 16 00-0081	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,105.48	1,210.01
			<i>For NEMA 3R Panelboard, Add</i> .....	1,844.84	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	194.90	
26 24 16 00-0082	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	5,342.13	1,366.48
			<i>For NEMA 3R Panelboard, Add</i> .....	1,844.84	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	194.90	
26 24 16 00-0083	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,508.57	1,366.48
			<i>For NEMA 3R Panelboard, Add</i> .....	1,920.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	249.10	
26 24 16 00-0084	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,616.23	1,366.48
			<i>For NEMA 3R Panelboard, Add</i> .....	1,920.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	249.10	
26 24 16 00-0085	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,662.89	1,256.95
			<i>For NEMA 3R Panelboard, Add</i> .....	1,844.84	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	194.90	
26 24 16 00-0086	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,893.38	1,329.97
			<i>For NEMA 3R Panelboard, Add</i> .....	1,844.84	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	194.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0087 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,985.31	1,366.48
<i>For NEMA 3R Panelboard, Add</i>	1,844.84	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0088 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers .....	6,240.45	1,449.92
<i>For NEMA 3R Panelboard, Add</i>	1,844.84	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0089 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers .....	6,405.84	1,491.65
<i>For NEMA 3R Panelboard, Add</i>	1,920.10	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10	
26 24 16 00-0090 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers .....	6,560.57	1,543.81
<i>For NEMA 3R Panelboard, Add</i>	1,920.10	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10	
<b>26 24 16 00-0091 480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small></b>		
26 24 16 00-0092 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,581.49	333.80
<i>For NEMA 3R Panelboard, Add</i>	1,420.16	
26 24 16 00-0093 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,806.14	333.80
<i>For NEMA 3R Panelboard, Add</i>	1,420.16	
26 24 16 00-0094 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers .....	2,021.85	458.97
<i>For NEMA 3R Panelboard, Add</i>	1,420.16	
26 24 16 00-0095 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers .....	2,246.48	458.97
<i>For NEMA 3R Panelboard, Add</i>	1,420.16	
26 24 16 00-0096 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,456.50	573.71
<i>For NEMA 3R Panelboard, Add</i>	1,420.16	
26 24 16 00-0097 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,677.38	573.71
<i>For NEMA 3R Panelboard, Add</i>	1,420.16	
26 24 16 00-0098 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	2,907.54	693.67
<i>For NEMA 3R Panelboard, Add</i>	1,420.16	
26 24 16 00-0099 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers .....	3,119.13	693.67
<i>For NEMA 3R Panelboard, Add</i>	1,561.78	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0100 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers .....	3,350.99	824.06
<i>For NEMA 3R Panelboard, Add</i>	1,561.78	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0101 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,575.10	824.06
<i>For NEMA 3R Panelboard, Add</i>	1,561.78	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0102 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,781.78	938.80
<i>For NEMA 3R Panelboard, Add</i>	1,561.78	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0103 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,002.66	938.80
<i>For NEMA 3R Panelboard, Add</i>	1,561.78	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0104 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,471.70	1,142.20
<i>For NEMA 3R Panelboard, Add</i>	1,844.84	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0105 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers .....	4,692.32	1,142.20
<i>For NEMA 3R Panelboard, Add</i>	1,844.84	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0106 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,926.72	1,251.74
<i>For NEMA 3R Panelboard, Add</i>	1,844.84	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0107 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers .....	5,099.92	1,251.74
<i>For NEMA 3R Panelboard, Add</i>	1,844.84	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0108 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,359.86	1,382.12
<i>For NEMA 3R Panelboard, Add</i>	1,920.10	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10	
26 24 16 00-0109 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,547.63	1,382.12
<i>For NEMA 3R Panelboard, Add</i>	1,920.10	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0110			<b>480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards</b> (26 24 16 00-0002)		
26 24 16 00-0111	EA		50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	2,015.18	354.66
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0112	EA		50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,234.89	385.95
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0113	EA		50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,456.94	479.83
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0114	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,951.09	584.14
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0115	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,162.50	646.73
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0116	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,355.59	698.89
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0117	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,567.95	761.48
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0118	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,772.47	824.06
			<i>For NEMA 3R Panelboard, Add</i> .....	1,561.78	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	114.12	
26 24 16 00-0119	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,959.95	876.21
			<i>For NEMA 3R Panelboard, Add</i> .....	1,561.78	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	114.12	
26 24 16 00-0120	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,160.77	928.36
			<i>For NEMA 3R Panelboard, Add</i> .....	1,561.78	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	114.12	
26 24 16 00-0121	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,377.74	990.96
			<i>For NEMA 3R Panelboard, Add</i> .....	1,561.78	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	114.12	
26 24 16 00-0122	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,614.47	1,069.19
			<i>For NEMA 3R Panelboard, Add</i> .....	1,561.78	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	114.12	
26 24 16 00-0123	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,823.86	1,189.14
			<i>For NEMA 3R Panelboard, Add</i> .....	1,844.84	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	194.90	
26 24 16 00-0124	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	6,051.03	1,262.16
			<i>For NEMA 3R Panelboard, Add</i> .....	1,844.84	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	194.90	
26 24 16 00-0125	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	6,213.80	1,293.46
			<i>For NEMA 3R Panelboard, Add</i> .....	1,844.84	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	194.90	
26 24 16 00-0126	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,468.68	1,376.91
			<i>For NEMA 3R Panelboard, Add</i> .....	1,844.84	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	194.90	
26 24 16 00-0127	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,647.28	1,429.06
			<i>For NEMA 3R Panelboard, Add</i> .....	1,920.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	249.10	
26 24 16 00-0128	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,832.33	1,473.92
			<i>For NEMA 3R Panelboard, Add</i> .....	1,920.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	249.10	
26 24 16 00-0129			<b>277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards</b> (26 24 16 00-0002)		
26 24 16 00-0130	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,928.80	365.09
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0131	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,180.58	365.09
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0132	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,426.00	485.05
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0133	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,673.38	485.05
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	
26 24 16 00-0134	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,924.67	599.79
			<i>For NEMA 3R Panelboard, Add</i> .....	1,420.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0135 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,170.91	599.79
<i>For NEMA 3R Panelboard, Add</i>	1,420.16	
26 24 16 00-0136 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,421.06	719.75
<i>For NEMA 3R Panelboard, Add</i>	1,420.16	
26 24 16 00-0137 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,670.21	719.75
<i>For NEMA 3R Panelboard, Add</i>	1,561.78	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0138 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,941.78	844.92
<i>For NEMA 3R Panelboard, Add</i>	1,561.78	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0139 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,170.39	844.92
<i>For NEMA 3R Panelboard, Add</i>	1,561.78	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0140 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,411.55	850.13
<i>For NEMA 3R Panelboard, Add</i>	1,561.78	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0141 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,667.85	850.13
<i>For NEMA 3R Panelboard, Add</i>	1,561.78	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0142 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,315.34	1,178.72
<i>For NEMA 3R Panelboard, Add</i>	1,844.84	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0143 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,577.62	1,178.72
<i>For NEMA 3R Panelboard, Add</i>	1,844.84	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0144 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,781.82	1,241.30
<i>For NEMA 3R Panelboard, Add</i>	1,844.84	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0145 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,067.54	1,324.75
<i>For NEMA 3R Panelboard, Add</i>	1,844.84	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0146 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,285.05	1,324.75
<i>For NEMA 3R Panelboard, Add</i>	1,920.10	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10	
26 24 16 00-0147 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,601.34	1,449.92
<i>For NEMA 3R Panelboard, Add</i>	1,920.10	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10	
<b>26 24 16 00-0148 277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small></b>		
26 24 16 00-0149 EA 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	2,505.90	448.54
<i>For NEMA 3R Panelboard, Add</i>	1,420.16	
26 24 16 00-0150 EA 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,763.46	448.54
<i>For NEMA 3R Panelboard, Add</i>	1,420.16	
26 24 16 00-0151 EA 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	3,011.58	594.58
<i>For NEMA 3R Panelboard, Add</i>	1,420.16	
26 24 16 00-0152 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	3,585.81	594.58
<i>For NEMA 3R Panelboard, Add</i>	1,420.16	
26 24 16 00-0153 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,824.10	751.04
<i>For NEMA 3R Panelboard, Add</i>	1,420.16	
26 24 16 00-0154 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	4,062.00	751.04
<i>For NEMA 3R Panelboard, Add</i>	1,420.16	
26 24 16 00-0155 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	4,292.05	860.57
<i>For NEMA 3R Panelboard, Add</i>	1,420.16	
26 24 16 00-0156 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	4,505.07	860.57
<i>For NEMA 3R Panelboard, Add</i>	1,561.78	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0157 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,731.43	980.53
<i>For NEMA 3R Panelboard, Add</i>	1,561.78	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0158 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers .....	4,973.92	980.53
For NEMA 3R Panelboard, Add	1,561.78	
For Door-In-Door (Hinged) Trim Front, Add	114.12	
26 24 16 00-0159 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers .....	5,183.21	1,084.84
For NEMA 3R Panelboard, Add	1,561.78	
For Door-In-Door (Hinged) Trim Front, Add	114.12	
26 24 16 00-0160 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers .....	5,402.60	1,084.84
For NEMA 3R Panelboard, Add	1,561.78	
For Door-In-Door (Hinged) Trim Front, Add	114.12	
26 24 16 00-0161 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers .....	7,086.08	1,283.03
For NEMA 3R Panelboard, Add	1,844.84	
For Door-In-Door (Hinged) Trim Front, Add	194.90	
26 24 16 00-0162 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers .....	7,351.51	1,283.03
For NEMA 3R Panelboard, Add	1,844.84	
For Door-In-Door (Hinged) Trim Front, Add	194.90	
26 24 16 00-0163 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers .....	7,548.75	1,402.98
For NEMA 3R Panelboard, Add	1,844.84	
For Door-In-Door (Hinged) Trim Front, Add	194.90	
26 24 16 00-0164 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers .....	7,844.77	1,402.98
For NEMA 3R Panelboard, Add	1,844.84	
For Door-In-Door (Hinged) Trim Front, Add	194.90	
26 24 16 00-0165 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers .....	8,059.61	1,533.38
For NEMA 3R Panelboard, Add	1,920.10	
For Door-In-Door (Hinged) Trim Front, Add	249.10	
26 24 16 00-0166 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers .....	8,281.57	1,533.38
For NEMA 3R Panelboard, Add	1,920.10	
For Door-In-Door (Hinged) Trim Front, Add	249.10	
26 24 16 00-0167 EA 400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers .....	9,844.22	1,707.58
For NEMA 3R Panelboard, Add	1,920.10	
For Door-In-Door (Hinged) Trim Front, Add	249.10	
26 24 16 00-0168 EA 600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers .....	11,986.38	2,049.71
For NEMA 3R Panelboard, Add	1,920.10	
For Door-In-Door (Hinged) Trim Front, Add	249.10	
<b>26 24 16 00-0169 Unassembled Lighting And Power Panelboards</b> <small>(26 24 16 00-0001)</small> Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.		
<b>26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.		
<b>26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0170)</small>		
26 24 16 00-0172 EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	620.53	
26 24 16 00-0173 EA 100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	713.18	
26 24 16 00-0174 EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	967.50	
For Door-In-Door (Hinged) Trim Front, Add	114.12	
26 24 16 00-0175 EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,115.97	
For Door-In-Door (Hinged) Trim Front, Add	194.90	
26 24 16 00-0176 EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,262.15	
For Door-In-Door (Hinged) Trim Front, Add	249.10	
26 24 16 00-0177 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,409.93	
For Door-In-Door (Hinged) Trim Front, Add	114.12	
26 24 16 00-0178 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,530.09	
For Door-In-Door (Hinged) Trim Front, Add	194.90	
26 24 16 00-0179 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,674.78	
For Door-In-Door (Hinged) Trim Front, Add	249.10	
26 24 16 00-0180 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,808.41	
For Door-In-Door (Hinged) Trim Front, Add	114.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0181 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,927.67	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0182 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,103.47	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10	
<b>26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small></b>		
26 24 16 00-0184 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	922.09	
26 24 16 00-0185 EA 100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,043.40	
26 24 16 00-0186 EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,669.01	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0187 EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,851.54	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0188 EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,022.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10	
26 24 16 00-0189 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,532.35	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0190 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,733.81	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0191 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,916.73	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10	
<b>26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small></b>		
26 24 16 00-0193 EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,264.67	
26 24 16 00-0194 EA 100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,349.95	
26 24 16 00-0195 EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,588.93	
26 24 16 00-0196 EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,734.34	
26 24 16 00-0197 EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,868.86	
26 24 16 00-0198 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,135.65	
26 24 16 00-0199 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,247.84	
26 24 16 00-0200 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,385.17	
26 24 16 00-0201 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,575.23	
26 24 16 00-0202 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,690.10	
26 24 16 00-0203 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,854.50	
<b>26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small></b>		
26 24 16 00-0205 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,558.86	
26 24 16 00-0206 EA 100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,672.20	
26 24 16 00-0207 EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,409.45	
26 24 16 00-0208 EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,577.26	
26 24 16 00-0209 EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,737.05	
26 24 16 00-0210 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,231.69	
26 24 16 00-0211 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,425.79	
26 24 16 00-0212 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,606.88	
<b>26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0169)</small></b>		
Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers		

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 24 16 00-0214	<b>Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase</b>		
	<b>Unassembled Panelboards</b> <small>(26 24 16 00-0213)</small>		
26 24 16 00-0215	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	698.73
26 24 16 00-0216	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	821.11
26 24 16 00-0217	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	923.02
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12
26 24 16 00-0218	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,042.36
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12
26 24 16 00-0219	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,199.34
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90
26 24 16 00-0220	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,327.52
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10
26 24 16 00-0221	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,530.30
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12
26 24 16 00-0222	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,648.23
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90
26 24 16 00-0223	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,778.02
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10
26 24 16 00-0224	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,942.26
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12
26 24 16 00-0225	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,145.25
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90
26 24 16 00-0226	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,542.43
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10
26 24 16 00-0227	<b>Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase</b>		
	<b>Unassembled Panelboards</b> <small>(26 24 16 00-0213)</small>		
26 24 16 00-0228	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,081.91
26 24 16 00-0229	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,219.77
26 24 16 00-0230	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,393.36
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12
26 24 16 00-0231	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,070.85
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12
26 24 16 00-0232	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,241.62
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90
26 24 16 00-0233	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,398.88
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10
26 24 16 00-0234	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	3,328.04
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12
26 24 16 00-0235	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	3,514.57
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90
26 24 16 00-0236	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	3,669.67
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10
26 24 16 00-0237	<b>Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase</b>		
	<b>Unassembled Panelboards</b> <small>(26 24 16 00-0213)</small>		
26 24 16 00-0238	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,342.86
26 24 16 00-0239	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,457.88
26 24 16 00-0240	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,551.82
26 24 16 00-0241	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,663.80
26 24 16 00-0242	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,817.71
26 24 16 00-0243	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,934.23
26 24 16 00-0244	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,256.03





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0245 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,365.98	
26 24 16 00-0246 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,488.40	
26 24 16 00-0247 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,709.08	
26 24 16 00-0248 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,897.97	
26 24 16 00-0249 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,295.14	
<b>26 24 16 00-0250 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0213)</small>		
26 24 16 00-0251 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,718.68	
26 24 16 00-0252 EA 100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,848.56	
26 24 16 00-0253 EA 100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,017.86	
26 24 16 00-0254 EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,811.30	
26 24 16 00-0255 EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,967.34	
26 24 16 00-0256 EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,113.56	
26 24 16 00-0257 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,670.54	
26 24 16 00-0258 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,863.44	
26 24 16 00-0259 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,029.34	
<b>26 24 16 00-0260 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small>		
<i>Note: As manufactured by Square D or equal.</i>		
<b>26 24 16 00-0261 Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0260)</small>		
26 24 16 00-0262 EA 125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,006.71	
26 24 16 00-0263 EA 125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,103.34	
26 24 16 00-0264 EA 250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,520.82	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		114.12
26 24 16 00-0265 EA 250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,694.44	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		194.90
26 24 16 00-0266 EA 250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,844.49	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		249.10
26 24 16 00-0267 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,835.01	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		114.12
26 24 16 00-0268 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,932.26	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		194.90
26 24 16 00-0269 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,098.21	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		249.10
26 24 16 00-0270 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,202.15	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		114.12
26 24 16 00-0271 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,360.29	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		194.90
26 24 16 00-0272 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,576.33	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		249.10
<b>26 24 16 00-0273 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0260)</small>		
26 24 16 00-0274 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,071.85	
26 24 16 00-0275 EA 100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,137.35	
26 24 16 00-0276 EA 125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,319.81	
26 24 16 00-0277 EA 125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,442.75	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>		114.12

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0278 EA 125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,684.14	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0279 EA 250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,489.50	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0280 EA 250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,641.30	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0281 EA 250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,836.20	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10	
26 24 16 00-0282 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,951.82	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0283 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,152.14	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0284 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,334.75	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10	
<b>26 24 16 00-0285 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0280)</small>		
26 24 16 00-0286 EA 125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,628.76	
26 24 16 00-0287 EA 125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,725.39	
26 24 16 00-0288 EA 250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,128.14	
26 24 16 00-0289 EA 250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,408.51	
26 24 16 00-0290 EA 250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,546.28	
26 24 16 00-0291 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,536.81	
26 24 16 00-0292 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,615.66	
26 24 16 00-0293 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,755.22	
26 24 16 00-0294 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,920.51	
26 24 16 00-0295 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,063.60	
26 24 16 00-0296 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,247.29	
<b>26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0280)</small>		
26 24 16 00-0298 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,826.40	
26 24 16 00-0299 EA 100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,891.90	
26 24 16 00-0300 EA 125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,932.65	
26 24 16 00-0301 EA 125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,050.08	
26 24 16 00-0302 EA 125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,398.21	
26 24 16 00-0303 EA 250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,191.30	
26 24 16 00-0304 EA 250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,324.70	
26 24 16 00-0305 EA 250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,493.22	
26 24 16 00-0306 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,608.83	
26 24 16 00-0307 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,792.28	
26 24 16 00-0308 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,972.29	
<b>26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal.		
<b>26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0309)</small>		
26 24 16 00-0311 EA 125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,048.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0312 EA 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	1,145.67	
26 24 16 00-0313 EA 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	1,324.84	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0314 EA 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	1,582.21	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0315 EA 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	1,757.17	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0316 EA 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	1,906.01	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10	
26 24 16 00-0317 EA 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	1,916.17	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0318 EA 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	2,032.87	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0319 EA 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	2,197.58	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10	
26 24 16 00-0320 EA 600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	2,301.75	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0321 EA 600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	2,460.57	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0322 EA 600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard.....	2,677.39	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10	
<b>26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0309)</small>		
26 24 16 00-0324 EA 100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard.....	2,286.56	
26 24 16 00-0325 EA 100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard.....	2,352.67	
26 24 16 00-0326 EA 100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard.....	2,548.69	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0327 EA 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard.....	2,614.94	
26 24 16 00-0328 EA 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard.....	2,738.41	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0329 EA 125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard.....	2,979.15	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0330 EA 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard.....	3,835.73	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0331 EA 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard.....	3,989.36	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0332 EA 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard.....	4,182.21	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10	
26 24 16 00-0333 EA 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard.....	4,366.70	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	114.12	
26 24 16 00-0334 EA 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard.....	4,568.98	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	194.90	
26 24 16 00-0335 EA 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard.....	4,751.44	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	249.10	
<b>26 24 16 00-0336 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0309)</small>		
26 24 16 00-0337 EA 125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	1,670.48	
26 24 16 00-0338 EA 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	1,767.72	
26 24 16 00-0339 EA 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	1,937.68	
26 24 16 00-0340 EA 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,189.53	
26 24 16 00-0341 EA 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,471.23	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0342 EA 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	2,607.81	
26 24 16 00-0343 EA 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	2,619.81	
26 24 16 00-0344 EA 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	2,716.26	
26 24 16 00-0345 EA 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	2,854.59	
26 24 16 00-0346 EA 600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	3,020.11	
26 24 16 00-0347 EA 600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	3,163.60	
26 24 16 00-0348 EA 600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	3,347.29	
<b>26 24 16 00-0349 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0309)</small>		
26 24 16 00-0350 EA 100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	2,893.88	
26 24 16 00-0351 EA 100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	2,959.99	
26 24 16 00-0352 EA 100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	3,262.75	
26 24 16 00-0353 EA 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	3,227.79	
26 24 16 00-0354 EA 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	3,345.74	
26 24 16 00-0355 EA 125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	3,693.22	
26 24 16 00-0356 EA 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	4,537.52	
26 24 16 00-0357 EA 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	4,672.76	
26 24 16 00-0358 EA 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	4,839.22	
26 24 16 00-0359 EA 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	5,023.71	
26 24 16 00-0360 EA 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	5,208.82	
26 24 16 00-0361 EA 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	5,388.21	
<b>26 24 16 00-0362 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small> Note: Square D I-Line or equal.		
<b>26 24 16 00-0363 Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0362)</small>		
26 24 16 00-0364 EA 400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,767.86	310.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.11	
26 24 16 00-0365 EA 400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,075.38	310.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.06	
26 24 16 00-0366 EA 400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,306.94	310.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.06	
26 24 16 00-0367 EA 600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,616.41	509.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	305.54	
26 24 16 00-0368 EA 600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,795.63	509.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	305.54	
26 24 16 00-0369 EA 600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,992.30	509.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	305.54	
26 24 16 00-0370 EA 800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,220.59	676.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	406.15	
26 24 16 00-0371 EA 800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,392.85	678.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	407.39	
26 24 16 00-0372 EA 800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,463.26	676.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	406.15	
26 24 16 00-0373 EA 800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,031.85	676.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	406.15	
26 24 16 00-0374 EA 1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,241.53	1,018.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	611.09	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Switchboards and Panelboards</b>	<b>26 24</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0375 EA 1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,628.53	1,018.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>611.09</i>	
26 24 16 00-0376 EA 1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,944.94	1,018.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>611.09</i>	
26 24 16 00-0377 EA 1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,331.14	1,018.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>611.09</i>	
<b>26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0362)</small>		
26 24 16 00-0379 EA 225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,443.91	316.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>190.04</i>	
26 24 16 00-0380 EA 400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,526.60	359.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>215.56</i>	
26 24 16 00-0381 EA 400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,750.23	359.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>215.56</i>	
26 24 16 00-0382 EA 400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,408.43	359.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>215.56</i>	
26 24 16 00-0383 EA 600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,042.23	588.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>353.36</i>	
26 24 16 00-0384 EA 600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,411.74	590.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>354.30</i>	
26 24 16 00-0385 EA 600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,716.30	588.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>353.36</i>	
26 24 16 00-0386 EA 800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	8,899.76	787.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>472.40</i>	
26 24 16 00-0387 EA 800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,337.50	784.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>470.73</i>	
26 24 16 00-0388 EA 800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,773.66	784.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>470.73</i>	
<b>26 24 16 00-0389 Residential Lighting And Power Panelboards</b> <small>(26 24 16 00-0001)</small>		
See CSI section 26 28 16 13-0001 for circuit breakers.		
<b>26 24 16 00-0390 Residential Type Unassembled Load Center</b> <small>(26 24 16 00-0389)</small>		
Note: Interior box and cover, includes ground bar kit.		
<b>26 24 16 00-0391 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt</b> <small>(26 24 16 00-0390)</small>		
26 24 16 00-0392 EA 30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	143.10	52.15
26 24 16 00-0393 EA 70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	474.89	208.63
26 24 16 00-0394 EA 100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	720.38	297.80
26 24 16 00-0395 EA 125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	1,541.41	625.97
26 24 16 00-0396 EA 150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	1,686.68	678.02
<b>26 24 16 00-0397 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0390)</small>		
Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.		
26 24 16 00-0398 EA 60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard.....	201.60	57.37
26 24 16 00-0399 EA 125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard.....	366.89	62.59
<b>26 24 16 00-0400 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof</b> <small>(26 24 16 00-0390)</small>		
26 24 16 00-0401 EA 40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard.....	205.15	57.37
26 24 16 00-0402 EA 70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard.....	229.03	62.59
26 24 16 00-0403 EA 100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard.....	791.47	297.80
26 24 16 00-0404 EA 150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard.....	1,794.87	678.02

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 16 00-0405</b> <b>Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0390)</small> Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0406 EA 60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard.....	255.69	57.37
26 24 16 00-0407 EA 125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard.....	1,739.39	625.97
<b>26 24 16 00-0408</b> <b>Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt</b> <small>(26 24 16 00-0390)</small>		
26 24 16 00-0409 EA 125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	1,878.33	625.97
26 24 16 00-0410 EA 150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	2,039.06	678.02
26 24 16 00-0411 EA 300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	7,363.47	1,043.11
<b>26 24 16 00-0412</b> <b>Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0390)</small> Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.		
26 24 16 00-0413 EA 125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard.....	2,775.95	625.97
26 24 16 00-0414 EA 150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard.....	3,028.64	678.02
26 24 16 00-0415 EA 300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard.....	8,118.76	1,043.11
<b>26 24 16 00-0416</b> <b>Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof</b> <small>(26 24 16 00-0390)</small>		
26 24 16 00-0417 EA 125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard.....	1,978.79	625.97
26 24 16 00-0418 EA 150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard.....	2,210.60	678.02
<b>26 24 16 00-0419</b> <b>Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0390)</small> Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0420 EA 125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard.....	2,942.56	625.97
26 24 16 00-0421 EA 155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard.....	3,046.72	678.02
<b>26 24 16 00-0422</b> <b>Residential Type Assembled Load Center</b> <small>(26 24 16 00-0389)</small>		
<b>26 24 16 00-0423</b> <b>Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase</b> <small>(26 24 16 00-0422)</small> Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0424 EA 100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	720.85	297.80
26 24 16 00-0425 EA 100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	879.69	347.87
26 24 16 00-0426 EA 100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	737.85	297.80
26 24 16 00-0427 EA 100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	884.33	347.87
26 24 16 00-0428 EA 200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,289.02	463.66
26 24 16 00-0429 EA 200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,519.48	556.50
26 24 16 00-0430 EA 200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,736.82	642.04
26 24 16 00-0431 EA 200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,915.54	695.03
26 24 16 00-0432 EA 200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,866.70	1,043.11
26 24 16 00-0433 EA 200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,349.29	463.66
26 24 16 00-0434 EA 200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,576.66	556.50
26 24 16 00-0435 EA 200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,794.00	642.04
26 24 16 00-0436 EA 200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,969.63	695.03
26 24 16 00-0437 EA 200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,044.43	1,043.11
26 24 16 00-0438 EA 400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,546.69	1,159.00
26 24 16 00-0439 EA 400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,732.15	1,159.00
<b>26 24 16 00-0440</b> <b>Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt</b> <small>(26 24 16 00-0422)</small> Note: Includes 1 pole plug-in breaker.		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Switchboards and Panelboards</b>	<b>26 24</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0441 EA 125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	966.24	347.87
26 24 16 00-0442 EA 125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,440.30	521.56
26 24 16 00-0443 EA 125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,017.24	347.87
26 24 16 00-0444 EA 125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,486.67	521.56
26 24 16 00-0445 EA 200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,824.91	642.04
26 24 16 00-0446 EA 200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,993.55	695.45
26 24 16 00-0447 EA 200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,442.26	834.80
26 24 16 00-0448 EA 200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,928.52	1,043.11
26 24 16 00-0449 EA 200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,879.01	642.04
26 24 16 00-0450 EA 200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,054.63	695.03
26 24 16 00-0451 EA 200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,649.84	834.17
26 24 16 00-0452 EA 200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,137.16	1,043.11
26 24 16 00-0453 EA 400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,593.06	1,159.00
26 24 16 00-0454 EA 400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,778.51	1,159.00
<b>26 24 16 00-0455 Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase</b> <small>(26 24 16 00-0422)</small>		
<i>Note: Includes 1 pole plug-in breaker.</i>		
26 24 16 00-0456 EA 125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	960.06	347.87
26 24 16 00-0457 EA 125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,418.67	521.56
26 24 16 00-0458 EA 200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,646.21	556.50
26 24 16 00-0459 EA 200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,887.36	642.35
26 24 16 00-0460 EA 200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,078.56	695.45
26 24 16 00-0461 EA 200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,751.14	927.32
26 24 16 00-0462 EA 200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,661.66	556.50
26 24 16 00-0463 EA 200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,917.64	642.04
26 24 16 00-0464 EA 200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,085.54	695.03
26 24 16 00-0465 EA 200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,666.14	927.32
26 24 16 00-0466 EA 400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	5,138.55	1,159.00
26 24 16 00-0467 EA 400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	5,447.65	1,159.00
<b>26 24 16 00-0468 Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt</b> <small>(26 24 16 00-0422)</small>		
<i>Note: Includes 1 pole plug-in breaker.</i>		
26 24 16 00-0469 EA 200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,511.30	695.45
26 24 16 00-0470 EA 200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,423.08	1,043.11
26 24 16 00-0471 EA 200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,603.29	695.03
26 24 16 00-0472 EA 200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,515.80	1,043.11
<b>26 24 16 00-0473 Panel Mounted Accessories And Fuseholders</b> <small>(26 24 16 00-0001)</small>		
<b>26 24 16 00-0474 Midget Finger-Safe Fuse Holders</b> <small>(26 24 16 00-0473)</small>		
<i>Note: 30 Amp capacity. Excludes fuse.</i>		
26 24 16 00-0475 EA 1 Pole Midget Finger-Safe Fuse Holder.....	68.94	18.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	12.52	
26 24 16 00-0476 EA 1 Pole With Indicator Midget Finger-Safe Fuse Holder.....	81.83	18.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	12.52	
26 24 16 00-0477 EA 2 Pole Midget Finger-Safe Fuse Holder.....	111.60	28.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	18.78	
26 24 16 00-0478 EA 2 Pole With Indicators Midget Finger-Safe Fuse Holder.....	145.25	28.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	18.78	
26 24 16 00-0479 EA 3 Pole Midget Finger-Safe Fuse Holder.....	164.69	37.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	25.03	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0480 EA 3 Pole With Indicators Midget Finger-Safe Fuse Holder .....	209.38	37.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.03	
26 24 16 00-0481 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder .....	246.76	37.56
Note: With indicators.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.03	
26 24 16 00-0482 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder .....	197.21	37.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.03	
26 24 16 00-0483 EA 4 Pole Midget Finger-Safe Fuse Holder .....	207.49	46.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.29	
26 24 16 00-0484 EA 4 Pole With Indicator Midget Finger-Safe Fuse Holder .....	256.57	46.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.29	
26 24 16 00-0485 EA 12 To 24 Volt DC Midget Finger-Safe Fuse Holder .....	81.88	18.78
Note: With indicator.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 24 16 00-0486 EA 20 To 24 Volt DC Midget Finger-Safe Fuse Holder .....	88.72	18.78
Note: With indicator.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 24 16 00-0487 EA 35 To 48 Volt DC Midget Finger-Safe Fuse Holder .....	83.14	18.78
Note: With indicator.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
<b>26 24 16 00-0488 Removal And Reinstallation Of Panelboards (26 24 16 00-0001)</b>		
Note: Includes storage, cleaning and supply materials.		
26 24 16 00-0489 EA Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers .....	1,310.12	
Note: Includes removal and reinstallation of main wiring to panelboard.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	391.17	
26 24 16 00-0490 EA Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage .....	69.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.34	
26 24 16 00-0491 EA Panelboard Filler Plate, Fits 1" Opening .....	5.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.98	
<b>26 24 19 Motor-Control Centers (26 24)</b>		
<b>26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers (26 24 19)</b>		
Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
<b>26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)</b>		
Note: 1-Speed non-reversing.		
26 24 19 00-0003 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit .....	2,313.65	95.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.17	
26 24 19 00-0004 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit .....	2,742.90	100.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.03	
26 24 19 00-0005 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit .....	4,091.57	104.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.89	
26 24 19 00-0006 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit .....	7,431.99	123.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.33	
26 24 19 00-0007 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit .....	14,991.88	142.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.76	
26 24 19 00-0008 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit .....	25,233.92	190.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.35	
<b>26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)</b>		
Note: 1-Speed non-reversing.		
26 24 19 00-0010 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit .....	2,313.65	95.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.17	
26 24 19 00-0011 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit .....	2,742.90	100.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.03	
26 24 19 00-0012 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit .....	4,091.57	104.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.89	
26 24 19 00-0013 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit .....	7,431.99	123.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.33	
26 24 19 00-0014 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit .....	14,991.88	142.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.76	
26 24 19 00-0015 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit .....	25,233.92	190.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.35	
<b>26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)</b>		
Note: 1-Speed reversing.		
26 24 19 00-0017 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit .....	3,361.86	95.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.17	
26 24 19 00-0018 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit .....	4,486.22	100.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.03	
26 24 19 00-0019 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit .....	6,438.93	104.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.89	
26 24 19 00-0020 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit .....	11,278.38	123.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.33	
26 24 19 00-0021 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit .....	22,220.53	142.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.76	
26 24 19 00-0022 EA 230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit .....	38,305.44	190.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.35	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 19 00-0023 480 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small>		
<i>Note: 1-Speed reversing.</i>		
26 24 19 00-0024 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit.....	3,361.86	95.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0025 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit.....	4,486.22	100.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0026 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit.....	6,438.93	104.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0027 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit.....	11,278.38	123.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0028 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit.....	22,220.53	142.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0029 EA 480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit.....	38,305.44	190.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
<b>26 24 19 00-0030 230 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small>		
<i>Note: 2-Speed non-reversing, 2 wind.</i>		
26 24 19 00-0031 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit.....	4,082.47	152.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0032 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit.....	5,624.99	162.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0033 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit.....	8,295.65	171.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0034 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....	14,847.97	195.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0035 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit.....	24,617.29	228.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
<b>26 24 19 00-0036 480 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small>		
<i>Note: 2-Speed non-reversing, 2 wind.</i>		
26 24 19 00-0037 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit.....	4,082.47	152.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0038 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit.....	5,624.99	162.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0039 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....	8,295.65	171.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0040 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit.....	14,847.97	195.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0041 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit.....	24,617.29	228.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
<b>26 24 19 00-0042 230 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small>		
<i>Note: 2-Speed non-reversing, 2 wind.</i>		
26 24 19 00-0043 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit.....	4,732.08	95.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0044 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit.....	7,051.22	100.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0045 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit.....	9,659.06	104.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0046 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....	18,160.58	123.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0047 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit.....	31,478.96	142.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
<b>26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small>		
<i>Note: 2-Speed non-reversing, 1 wind.</i>		
26 24 19 00-0049 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit.....	4,732.08	95.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0050 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit.....	7,051.22	100.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0051 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....	9,659.06	104.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0052 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit.....	18,160.58	123.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0053 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit.....	31,478.96	142.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
<b>26 24 19 00-0054 230 Volt Combination With Molded Case Circuit</b> <small>(26 24 19 00-0001)</small>		
<i>Note: Reducing volt, auto-transformer.</i>		
26 24 19 00-0055 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit.....	7,006.80	100.06
26 24 19 00-0056 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit.....	10,736.79	109.58
26 24 19 00-0057 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit.....	18,109.50	123.88
26 24 19 00-0058 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit.....	28,023.43	142.93
26 24 19 00-0059 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit.....	47,952.52	190.58

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 19 00-0060 480 Volt Combination With Molded Case Circuit</b> <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0061 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit .....	7,006.80	100.06
26 24 19 00-0062 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit .....	10,736.79	109.58
26 24 19 00-0063 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit .....	18,109.50	123.88
26 24 19 00-0064 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit .....	28,023.43	142.93
26 24 19 00-0065 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit .....	47,952.52	190.58
<b>26 24 19 00-0066 230 Volt Combination With Molded Case Circuit</b> <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0067 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit .....	4,768.69	152.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.48	
26 24 19 00-0068 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit .....	6,164.34	176.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.77	
26 24 19 00-0069 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit .....	10,861.66	195.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.20	
26 24 19 00-0070 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit .....	18,531.41	238.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.94	
26 24 19 00-0071 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit .....	25,462.64	304.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.96	
<b>26 24 19 00-0072 480 Volt Combination With Molded Case Circuit</b> <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0073 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit .....	4,768.69	152.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.48	
26 24 19 00-0074 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit .....	6,164.34	176.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.77	
26 24 19 00-0075 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit .....	10,861.66	195.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.20	
26 24 19 00-0076 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit .....	18,531.41	238.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.94	
26 24 19 00-0077 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit .....	25,462.64	304.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.96	
<b>26 24 19 00-0078 230 Volt Combination With Molded Case Circuit</b> <small>(26 24 19 00-0001)</small> Note: Reducing volt, energy saver.		
26 24 19 00-0079 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit .....	19,803.96	123.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.33	
26 24 19 00-0080 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit .....	21,004.82	152.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.48	
26 24 19 00-0081 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit .....	23,193.30	176.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.77	
26 24 19 00-0082 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit .....	35,130.36	195.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.20	
26 24 19 00-0083 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit .....	47,916.79	238.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.94	
26 24 19 00-0084 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit .....	65,030.30	304.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.96	
<b>26 24 19 00-0085 480 Volt Combination With Molded Case Circuit</b> <small>(26 24 19 00-0001)</small> Note: Reducing volt, energy saver.		
26 24 19 00-0086 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit .....	19,803.96	123.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.33	
26 24 19 00-0087 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit .....	21,004.82	152.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.48	
26 24 19 00-0088 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit .....	23,193.30	176.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.77	
26 24 19 00-0089 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit .....	35,130.36	195.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.20	
26 24 19 00-0090 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit .....	47,916.79	238.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.94	
26 24 19 00-0091 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit .....	65,030.30	304.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.96	
<b>26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers</b> <small>(26 24 19)</small> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 19 00-0093</b>				<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
				Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094	EA			230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit .....	3,102.02	95.29
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.17	
26 24 19 00-0095	EA			230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit.....	3,531.28	100.06
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.03	
26 24 19 00-0096	EA			230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit.....	5,470.67	104.82
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.89	
26 24 19 00-0097	EA			230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	10,094.70	123.88
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.33	
26 24 19 00-0098	EA			230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	18,087.65	142.93
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.76	
26 24 19 00-0099	EA			230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	29,491.16	190.58
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.35	
<b>26 24 19 00-0100</b>				<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
				Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101	EA			480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit.....	3,102.02	95.29
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.17	
26 24 19 00-0102	EA			480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit.....	3,531.28	100.06
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.03	
26 24 19 00-0103	EA			480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	5,470.67	104.82
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.89	
26 24 19 00-0104	EA			480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	10,094.70	123.88
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.33	
26 24 19 00-0105	EA			480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	18,087.65	142.93
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.76	
26 24 19 00-0106	EA			480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit.....	29,491.16	190.58
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.35	
<b>26 24 19 00-0107</b>				<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
				Note: Full volt, 1-speed reversing.		
26 24 19 00-0108	EA			230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit .....	4,143.57	95.29
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.17	
26 24 19 00-0109	EA			230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit .....	5,259.05	100.06
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.03	
26 24 19 00-0110	EA			230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit .....	7,786.95	104.82
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.89	
26 24 19 00-0111	EA			230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit .....	13,905.57	123.88
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.33	
26 24 19 00-0112	EA			230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit .....	25,254.11	142.93
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.76	
<b>26 24 19 00-0113</b>				<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
				Note: Full volt, 1-speed reversing.		
26 24 19 00-0114	EA			480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit .....	4,143.57	95.29
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.17	
26 24 19 00-0115	EA			480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit .....	5,259.05	100.06
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.03	
26 24 19 00-0116	EA			480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit .....	7,786.95	104.82
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.89	
26 24 19 00-0117	EA			480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit .....	13,905.57	123.88
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.33	
26 24 19 00-0118	EA			480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit .....	25,254.11	142.93
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.76	
<b>26 24 19 00-0119</b>				<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
				Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120	EA			230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit .....	4,850.86	152.47
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.48	
26 24 19 00-0121	EA			230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit .....	6,382.28	162.00
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.20	
26 24 19 00-0122	EA			230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit .....	9,621.45	171.53
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.91	
26 24 19 00-0123	EA			230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit .....	17,444.06	195.35
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.20	
26 24 19 00-0124	EA			230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit .....	27,626.45	228.69
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.22	
<b>26 24 19 00-0125</b>				<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
				Note: Full volt, 2-speed non-reversing, 2 wind.		

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0126 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit .....	4,850.86	152.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.48	
26 24 19 00-0127 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit .....	6,382.28	162.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.20	
26 24 19 00-0128 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit .....	9,621.45	171.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.91	
26 24 19 00-0129 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit .....	17,444.06	195.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.20	
26 24 19 00-0130 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit .....	27,626.45	228.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.22	
<b>26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)</b>		
Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit .....	5,595.76	142.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.76	
26 24 19 00-0133 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit .....	7,899.99	152.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.48	
26 24 19 00-0134 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit .....	11,092.56	162.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.20	
26 24 19 00-0135 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit .....	20,849.45	185.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.49	
26 24 19 00-0136 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit .....	34,580.64	219.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.51	
<b>26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)</b>		
Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit .....	5,595.76	142.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.76	
26 24 19 00-0139 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit .....	7,899.99	152.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.48	
26 24 19 00-0140 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit .....	11,092.56	162.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.20	
26 24 19 00-0141 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit .....	20,849.45	185.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.49	
26 24 19 00-0142 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit .....	34,580.64	219.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.51	
<b>26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)</b>		
Note: Reduced volt, auto-transformer.		
26 24 19 00-0144 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit.....	7,752.99	100.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.03	
26 24 19 00-0145 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit.....	12,495.65	109.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.75	
26 24 19 00-0146 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit.....	21,131.99	123.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.33	
26 24 19 00-0147 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit.....	32,023.06	142.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.76	
26 24 19 00-0148 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit.....	52,698.33	190.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.35	
<b>26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)</b>		
Note: Reduced volt, auto-transformer.		
26 24 19 00-0150 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit.....	7,752.99	100.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.03	
26 24 19 00-0151 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit.....	12,495.65	109.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.75	
26 24 19 00-0152 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit.....	21,131.99	123.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.33	
26 24 19 00-0153 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit.....	32,023.06	142.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.76	
26 24 19 00-0154 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit.....	52,698.33	190.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 19 00-0155</b> <b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, part winding.		
26 24 19 00-0156    EA    230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit .....	5,537.08	152.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.48	
26 24 19 00-0157    EA    230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit .....	6,917.19	176.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.77	
26 24 19 00-0158    EA    230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit .....	12,178.59	195.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.20	
26 24 19 00-0159    EA    230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit .....	21,591.65	238.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	142.94	
26 24 19 00-0160    EA    230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit .....	31,862.94	304.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	182.96	
<b>26 24 19 00-0161</b> <b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, part winding.		
26 24 19 00-0162    EA    480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit .....	5,537.08	152.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.48	
26 24 19 00-0163    EA    480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit .....	6,917.19	176.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.77	
26 24 19 00-0164    EA    480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit .....	12,178.59	195.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.20	
26 24 19 00-0165    EA    480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit .....	21,591.65	238.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	142.94	
26 24 19 00-0166    EA    480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit .....	31,862.94	304.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	182.96	
<b>26 24 19 00-0167</b> <b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, energy saving		
26 24 19 00-0168    EA    230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit .....	20,441.32	123.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.33	
26 24 19 00-0169    EA    230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit .....	21,635.52	152.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.48	
26 24 19 00-0170    EA    230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit .....	23,801.79	176.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.77	
26 24 19 00-0171    EA    230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit .....	35,634.48	195.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.20	
26 24 19 00-0172    EA    230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit .....	48,307.65	238.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	142.94	
26 24 19 00-0173    EA    230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit .....	67,710.79	304.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	182.96	
<b>26 24 19 00-0174</b> <b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, energy saving		
26 24 19 00-0175    EA    480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit .....	20,441.36	123.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.34	
26 24 19 00-0176    EA    480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit .....	21,635.52	152.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.48	
26 24 19 00-0177    EA    480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit .....	23,801.79	176.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.77	
26 24 19 00-0178    EA    480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit .....	35,634.48	195.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.20	
26 24 19 00-0179    EA    480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit .....	48,307.65	238.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	142.94	
26 24 19 00-0180    EA    480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit .....	67,710.79	304.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	182.96	
<b>26 24 19 00-0181</b> <b>Combination Starters With Fusible Switch</b> <small>(26 24 19)</small> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
<b>26 24 19 00-0182</b> <b>230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0183    EA    7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing .....	2,056.04	95.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.17	
26 24 19 00-0184    EA    15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing .....	2,842.84	100.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.03	
26 24 19 00-0185    EA    30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing .....	4,806.66	104.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.89	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0186 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing .....	8,491.30	123.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.33	
26 24 19 00-0187 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing .....	13,797.10	142.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.76	
26 24 19 00-0188 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing .....	24,623.21	190.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.35	
<b>26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small>		
Note: 1-Speed non-reversing.		
26 24 19 00-0190 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing .....	2,056.04	95.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.17	
26 24 19 00-0191 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing .....	2,842.84	100.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.03	
26 24 19 00-0192 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing .....	4,806.66	104.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.89	
26 24 19 00-0193 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing .....	8,491.30	123.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.33	
26 24 19 00-0194 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing .....	13,797.10	142.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.76	
26 24 19 00-0195 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing .....	24,623.21	190.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.35	
<b>26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small>		
Note: 1-Speed reversing.		
26 24 19 00-0197 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,332.99	95.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.17	
26 24 19 00-0198 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	4,974.79	100.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.03	
26 24 19 00-0199 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	7,971.27	104.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.89	
26 24 19 00-0200 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	13,001.71	123.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.33	
26 24 19 00-0201 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	20,013.07	142.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.76	
26 24 19 00-0202 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	34,030.44	190.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.35	
<b>26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small>		
Note: 1-Speed reversing.		
26 24 19 00-0204 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,332.99	95.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.17	
26 24 19 00-0205 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	4,974.79	100.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.03	
26 24 19 00-0206 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	7,971.27	104.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.89	
26 24 19 00-0207 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	13,001.71	123.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.33	
26 24 19 00-0208 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	20,013.07	142.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.76	
26 24 19 00-0209 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	34,030.44	190.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.35	
<b>26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....	3,895.92	152.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.48	
26 24 19 00-0212 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....	5,367.38	162.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.20	
26 24 19 00-0213 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....	8,462.21	171.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.91	
26 24 19 00-0214 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....	15,136.67	195.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.20	
26 24 19 00-0215 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....	24,130.94	228.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.22	
<b>26 24 19 00-0216 480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....	3,895.92	152.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.48	
26 24 19 00-0218 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....	5,367.38	162.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.20	
26 24 19 00-0219 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....	8,462.21	171.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.91	
26 24 19 00-0220 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....	15,136.67	195.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.20	
26 24 19 00-0221 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....	24,130.94	228.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 19 00-0222</b> <b>230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223     EA    7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	4,461.14	95.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	57.17	
26 24 19 00-0224     EA    15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	6,811.38	100.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	60.03	
26 24 19 00-0225     EA    30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	9,814.52	104.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	62.89	
26 24 19 00-0226     EA    50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	19,799.52	123.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	74.33	
<b>26 24 19 00-0227</b> <b>480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228     EA    10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	4,461.14	95.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	57.17	
26 24 19 00-0229     EA    25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	6,811.38	100.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	60.03	
26 24 19 00-0230     EA    50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	9,814.52	104.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	62.89	
26 24 19 00-0231     EA    100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	19,799.52	123.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	74.33	
<b>26 24 19 00-0232</b> <b>230 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0233     EA    15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	6,764.74	100.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	60.03	
26 24 19 00-0234     EA    30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	11,956.00	109.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	65.75	
26 24 19 00-0235     EA    50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	19,930.54	123.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	74.33	
26 24 19 00-0236     EA    100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	26,615.45	142.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	85.76	
26 24 19 00-0237     EA    200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	44,723.50	190.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	114.35	
<b>26 24 19 00-0238</b> <b>480 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0239     EA    25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	6,764.74	100.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	60.03	
26 24 19 00-0240     EA    50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	11,956.00	109.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	65.75	
26 24 19 00-0241     EA    100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	19,930.54	123.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	74.33	
26 24 19 00-0242     EA    200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	26,615.45	142.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	85.76	
26 24 19 00-0243     EA    400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	44,723.50	190.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	114.35	
<b>26 24 19 00-0244</b> <b>230 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Part winding.		
26 24 19 00-0245     EA    10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	4,797.56	152.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	91.48	
26 24 19 00-0246     EA    25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	6,355.33	176.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	105.77	
26 24 19 00-0247     EA    50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	10,133.25	195.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	117.20	
26 24 19 00-0248     EA    75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	20,225.87	238.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	142.94	
<b>26 24 19 00-0249</b> <b>480 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Part winding.		
26 24 19 00-0250     EA    15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	4,797.56	152.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	91.48	
26 24 19 00-0251     EA    40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	6,355.33	176.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	105.77	
26 24 19 00-0252     EA    75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	10,133.25	195.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	117.20	
26 24 19 00-0253     EA    150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	20,225.87	238.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	142.94	
<b>26 24 19 00-0254</b> <b>230 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Energy saver.		
26 24 19 00-0255     EA    7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	19,801.74	123.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	74.33	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	19 00-0256	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	21,004.82	152.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.48	
26 24	19 00-0257	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	23,193.30	176.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.77	
26 24	19 00-0258	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	35,130.36	195.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.20	
26 24	19 00-0259	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	47,916.79	238.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.94	
26 24	19 00-0260	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	65,030.30	304.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.96	
<b>26 24</b>	<b>19 00-0261</b>		<b>480 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small>		
			Note: Energy saver.		
26 24	19 00-0262	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	19,801.74	123.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.33	
26 24	19 00-0263	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	21,004.82	152.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.48	
26 24	19 00-0264	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	23,193.30	176.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.77	
26 24	19 00-0265	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	35,130.36	195.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.20	
26 24	19 00-0266	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	47,916.79	238.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.94	
26 24	19 00-0267	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	65,030.30	304.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.96	
<b>26 24</b>	<b>19 00-0268</b>		<b>Starter Accessories</b> <small>(26 24 19)</small>		
			Note: Additional options or accessories for the Combination Starters		
<b>26 24</b>	<b>19 00-0269</b>		<b>Starter Modifications</b> <small>(26 24 19 00-0268)</small>		
26 24	19 00-0270	EA	Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer	174.56	
26 24	19 00-0271	EA	Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer	346.44	
26 24	19 00-0272	EA	Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer	495.23	
26 24	19 00-0273	EA	Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes	124.36	
26 24	19 00-0274	EA	Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes	175.44	
26 24	19 00-0275	EA	Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes	295.36	
26 24	19 00-0276	EA	Overload Relay Heater Elements, 3 Per Starter	73.29	
26 24	19 00-0277	EA	N.O. Overload Relay Alarm	62.18	
26 24	19 00-0278	EA	Control Circuit Fuses, Primary/Secondary	112.60	
26 24	19 00-0279	EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	139.22	
26 24	19 00-0280	EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	272.29	
26 24	19 00-0281	EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	139.22	
26 24	19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V	159.69	
26 24	19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer	192.45	
26 24	19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To	227.25	
26 24	19 00-0285	EA	Blank Devices Panel	42.99	
26 24	19 00-0286	EA	Oversize Or Special Color Starter	67.56	
26 24	19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer	591.59	
26 24	19 00-0288	EA	Mini Elapsed Time Meters, Non Resettable	536.31	
26 24	19 00-0289	EA	Panel Elapsed Time Meter, Resettable	798.45	
26 24	19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press	67.56	
26 24	19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	96.22	
26 24	19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard	67.56	
26 24	19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In	96.22	
26 24	19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	96.22	
26 24	19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	139.22	
26 24	19 00-0296	EA	MOR - A Solid State Modular Overload Relay	345.99	
26 24	19 00-0297	EA	Heater Module	73.85	
26 24	19 00-0298	EA	LAM - Long Acceleration Module	458.77	
26 24	19 00-0299	EA	JAM - Jam Protection Module	525.90	
26 24	19 00-0300	EA	PUM - Phase Unbalance Module	998.10	
26 24	19 00-0301	EA	ULM - Underload Module	478.91	
26 24	19 00-0302	EA	Wiring To Common Control Circuit Transformer	105.18	
26 24	19 00-0303	EA	Handle Operator Separable Source Control Circuit	196.93	
26 24	19 00-0304	EA	Type SIS Control Wire	82.80	
26 24	19 00-0305	EA	Ring Or Spade Terminals Control	105.18	
26 24	19 00-0306	EA	Ring Terminals Power	105.18	
26 24	19 00-0307	EA	14 Gauge Control Wire	82.80	
26 24	19 00-0308	EA	Wiremakers	105.18	
26 24	19 00-0309	EA	Wiring Diagram On Door	62.66	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0310 EA Special Color Or Type Control Wire.....	76.09	
26 24 19 00-0311 EA Current Transformer 12.5 VA.....	597.52	
26 24 19 00-0312 EA Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4.....	1,908.92	
26 24 19 00-0313 EA Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6.....	2,148.37	
<b>26 24 19 00-0314 Control Relays And Special Components</b> <small>(26 24 19 00-0268)</small>		
26 24 19 00-0315 EA 600 Volt, 2 Pole, Control Relays.....	493.42	
26 24 19 00-0316 EA 600 Volt, 4 Pole, Control Relays.....	582.76	
26 24 19 00-0317 EA 600 Volt, 6 Pole, Control Relays.....	681.64	
26 24 19 00-0318 EA 600 Volt, 8 Pole, Control Relays.....	758.21	
26 24 19 00-0319 EA Pneumatic Timer, Control Relays.....	656.53	
26 24 19 00-0320 EA Motor Driven Timer, Control Relays.....	1,710.80	
26 24 19 00-0321 EA 7 Days Time Switch, Control Relays.....	2,153.28	
26 24 19 00-0322 EA 24 Hour Time Switch, Control Relays.....	603.81	
26 24 19 00-0323 EA Phase Voltage, Control Relays.....	1,027.12	
26 24 19 00-0324 EA Two Circuit Alternator, Control Relays.....	1,437.65	
26 24 19 00-0325 EA Manual 120 Volt, Control Relays.....	140.57	
26 24 19 00-0326 EA Over-Current Relay, Control Relays.....	4,269.89	
26 24 19 00-0327 EA UV-Relay, Control Relays.....	3,616.43	
26 24 19 00-0328 EA Over-Current Relay, Control Relays.....	3,616.43	
26 24 19 00-0329 EA Teleductor, Control Relays.....	1,059.07	
26 24 19 00-0330 EA Current Transducer, Control Relays.....	2,848.14	
26 24 19 00-0331 EA Watt Transducer, Control Relays.....	5,696.29	
26 24 19 00-0332 EA Control Relays, Blank, Add For Each 1x.....	193.28	
26 24 19 00-0333 EA Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway.....	289.13	
26 24 19 00-0334 EA Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway.....	325.87	
26 24 19 00-0335 EA Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway.....	362.61	
26 24 19 00-0336 EA Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway.....	325.87	
26 24 19 00-0337 EA Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway.....	362.61	
26 24 19 00-0338 EA Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway.....	381.78	
<b>26 24 19 00-0339 Circuit Breaker Modifications/Accessories</b> <small>(26 24 19 00-0268)</small>		
26 24 19 00-0340 EA Shunt Trip, Circuit Breaker.....	340.78	
26 24 19 00-0341 EA Auxiliary Switch, Circuit Breaker.....	117.71	
26 24 19 00-0342 EA Key Interlock, Circuit Breaker.....	423.36	
26 24 19 00-0343 EA GFR Ground Fault, Circuit Breaker.....	1,951.65	
26 24 19 00-0344 EA Seltronic Breaker, Circuit Breaker.....	1,130.55	
<b>26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers</b> <small>(26 24 19 00-0268)</small>		
26 24 19 00-0346 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100.....	1,438.24	61.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.16	
26 24 19 00-0347 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150.....	2,493.80	95.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.17	
26 24 19 00-0348 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100.....	2,410.71	61.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.16	
26 24 19 00-0349 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150.....	3,464.23	95.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.17	
26 24 19 00-0350 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150.....	4,455.12	95.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.17	
26 24 19 00-0351 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250.....	2,739.37	123.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.34	
26 24 19 00-0352 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400.....	4,457.70	133.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.06	
26 24 19 00-0353 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600.....	5,880.87	171.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.87	
26 24 19 00-0354 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800.....	6,905.73	262.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	157.28	
26 24 19 00-0355 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200.....	9,775.13	395.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	237.47	
26 24 19 00-0356 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000.....	21,497.85	524.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	314.19	
26 24 19 00-0357 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500.....	32,148.27	657.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	394.13	
26 24 19 00-0358 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000.....	53,701.59	762.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	457.79	
26 24 19 00-0359 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	1,731.01	61.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.16	
26 24 19 00-0360 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150.....	2,778.38	95.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.17	
26 24 19 00-0361 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	1,731.01	61.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.16	
26 24 19 00-0362 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50.....	2,778.38	95.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.17	
26 24 19 00-0363 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150.....	2,953.25	61.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.16	
26 24 19 00-0364 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150.....	4,041.57	95.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.17	
26 24 19 00-0365 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	5,020.18	95.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0366 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100.....	2,637.11	95.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>57.17</i>	
26 24 19 00-0367 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400.....	6,676.43	262.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>157.28</i>	
26 24 19 00-0368 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225 .....	6,676.43	262.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>157.28</i>	
26 24 19 00-0369 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400 .....	9,006.41	285.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>171.45</i>	
26 24 19 00-0370 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600 .....	11,251.33	333.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>200.03</i>	
26 24 19 00-0371 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800 .....	12,944.37	395.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>237.47</i>	
<b>26 24 19 00-0372 Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)</b>		
26 24 19 00-0373 EA 30 To 60 Amperes, Incoming Line And Feeder Fusible Switches.....	1,770.53	95.29
26 24 19 00-0374 EA Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual.....	2,752.96	95.29
26 24 19 00-0375 EA 100 Amperes, Incoming Line And Feeder Fusible Switches.....	2,486.16	119.11
26 24 19 00-0376 EA 200 Amperes, Incoming Line And Feeder Fusible Switches.....	4,050.93	142.93
26 24 19 00-0377 EA 400 Amperes, Incoming Line And Feeder Fusible Switches.....	8,000.70	181.05
26 24 19 00-0378 EA 600 Amperes, Incoming Line And Feeder Fusible Switches.....	11,224.82	238.22
26 24 19 00-0379 EA 800 Amperes, Incoming Line And Feeder Fusible Switches.....	27,341.04	319.22
26 24 19 00-0380 EA 1,200 Amperes, Incoming Line And Feeder Fusible Switches.....	30,834.35	443.10
<b>26 24 19 00-0381 Dry Type Distribution Transformers (26 24 19 00-0268)</b>		
26 24 19 00-0382 EA 500 VA, Phase 1, Dry Type Distribution Transformers .....	1,396.26	
26 24 19 00-0383 EA 750 VA, Phase 1, Dry Type Distribution Transformers .....	1,441.30	
26 24 19 00-0384 EA 1,000 VA, Phase 1, Dry Type Distribution Transformers .....	1,488.39	
26 24 19 00-0385 EA 1,500 VA, Phase 1, Dry Type Distribution Transformers .....	1,707.45	
26 24 19 00-0386 EA 2,000 VA, Phase 1, Dry Type Distribution Transformers .....	1,850.77	
26 24 19 00-0387 EA 3,000 VA, Phase 1, Dry Type Distribution Transformers .....	2,401.25	
26 24 19 00-0388 EA 5,000 VA, Phase 1, Dry Type Distribution Transformers .....	2,518.19	
26 24 19 00-0389 EA 7,500 VA, Phase 1, Dry Type Distribution Transformers .....	2,837.57	
26 24 19 00-0390 EA 9,000 VA, Phase 3, Dry Type Distribution Transformers .....	6,596.42	
26 24 19 00-0391 EA 10,000 VA, Phase 1, Dry Type Distribution Transformers .....	3,500.90	
26 24 19 00-0392 EA 15,000 VA, Phase 1, Dry Type Distribution Transformers .....	4,850.07	
26 24 19 00-0393 EA 15,000 VA, Phase 3, Dry Type Distribution Transformers .....	7,558.66	
26 24 19 00-0394 EA 20,000 VA, Phase 1, Dry Type Distribution Transformers .....	6,999.74	
26 24 19 00-0395 EA 30,000 VA, Phase 1, Dry Type Distribution Transformers .....	9,700.14	
26 24 19 00-0396 EA 30,000 VA, Phase 3, Dry Type Distribution Transformers .....	11,480.36	
26 24 19 00-0397 EA 45,000 VA, Phase 1, Dry Type Distribution Transformers .....	15,902.43	
<b>26 24 19 00-0398 Metering Equipment (26 24 19 00-0268)</b>		
26 24 19 00-0399 EA Metering Equipment, Voltmeter, Panel Type .....	659.23	
26 24 19 00-0400 EA Metering Equipment, Voltmeter, Switchboard Type .....	1,441.30	
26 24 19 00-0401 EA Metering Equipment, Ammeter, Panel .....	593.72	
26 24 19 00-0402 EA Metering Equipment, Ammeter, Switchboard Type .....	1,441.30	
26 24 19 00-0403 EA Metering Equipment, Voltmeter/Ammeter, Switch.....	800.50	
26 24 19 00-0404 EA Metering Equipment, Control Switch, 4 Circuits .....	849.63	
26 24 19 00-0405 EA Add For Additional Circuits .....	123.08	
26 24 19 00-0406 EA Metering Equipment, Indicating Wattmeter.....	2,972.69	
26 24 19 00-0407 EA Metering Equipment, Indicating Power Factor .....	3,113.95	
26 24 19 00-0408 EA Metering Equipment, Integrating Watt-hour .....	2,745.44	
26 24 19 00-0409 EA Add For Demand Attachment .....	805.64	
26 24 19 00-0410 EA 800 Amperes, Metering Equipment, Current Transformer .....	820.97	
26 24 19 00-0411 EA 1,000 Amperes, Metering Equipment, Current Transformer .....	1,416.74	
26 24 19 00-0412 EA 2,000 Amperes, Metering Equipment, Current Transformer .....	1,650.13	
26 24 19 00-0413 EA Metering Equipment, Potential Transformer .....	1,375.79	
26 24 19 00-0414 EA Metering Equipment, Surge Arrester.....	1,480.20	
26 24 19 00-0415 EA Metering Equipment, Ground Detector System .....	1,132.16	
<b>26 24 19 00-0416 Current Limiting Reactors (26 24 19 00-0268)</b>		
26 24 19 00-0417 EA 600 Amperes, Current Limiting Reactors.....	25,269.92	
26 24 19 00-0418 EA 800 Amperes, Current Limiting Reactors.....	36,800.35	
26 24 19 00-0419 EA 1,000 Amperes, Current Limiting Reactors.....	48,357.40	
26 24 19 00-0420 EA 1,200 Amperes, Current Limiting Reactors.....	73,608.89	
<b>26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)</b>		
26 24 19 00-0422 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Screw.....	481.91	
26 24 19 00-0423 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp .....	481.91	
26 24 19 00-0424 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Screw .....	666.24	
26 24 19 00-0425 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp .....	1,219.21	
26 24 19 00-0426 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Screw .....	666.24	
26 24 19 00-0427 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp .....	850.56	
26 24 19 00-0428 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Screw .....	850.56	
26 24 19 00-0429 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp .....	1,216.99	
26 24 19 00-0430 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Screw.....	850.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0431 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp.....	1,216.99	
26 24 19 00-0432 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Screw.....	1,034.88	
26 24 19 00-0433 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp.....	3,355.60	
26 24 19 00-0434 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw.....	1,034.88	
26 24 19 00-0435 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp.....	1,216.99	
26 24 19 00-0436 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw.....	3,355.60	
26 24 19 00-0437 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp.....	3,355.60	
26 24 19 00-0438 EA Bus Duct Transition Pull Box .....	1,015.35	
26 24 19 00-0439 EA Throat And Transition To Substation .....	1,960.12	
26 24 19 00-0440 EA Service Entrance Label.....	424.49	
26 24 19 00-0441 EA Type W To 5 Star - 10" Transition.....	887.30	
26 24 19 00-0442 EA 600 Amperes, Sub Feed Lugs On Main Bus.....	534.86	
<b>26 24 19 00-0443 Standard Structures And Structure Options/Modifications (26 24 19 00-0268)</b>		
26 24 19 00-0444 EA Standard Structure Add For Each Additional 4" Of Structure Width .....	280.30	
26 24 19 00-0445 EA Standard Structure Add For 8" Vertical Wireway In Lieu Of 4" .....	280.30	
26 24 19 00-0446 EA Standard Structure Single Corner Section "L", 16" Depth.....	867.13	
26 24 19 00-0447 EA Standard Structure Single Corner Section "L", 21" Depth.....	978.04	
26 24 19 00-0448 EA Standard Structure Unused Space/Future Space .....	83.69	
26 24 19 00-0449 EA Standard Structure NEMA 12 Dustproof.....	225.86	
26 24 19 00-0450 EA Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure .....	47.39	
26 24 19 00-0451 EA Standard Structure 150 Watt Space .....	203.67	
26 24 19 00-0452 EA Standard Structure Thermostat For Space Heater Control.....	651.23	
26 24 19 00-0453 EA Standard Structure Rear Hinged Structure Door, 72" High .....	203.67	
26 24 19 00-0454 EA Standard Structure NEMA 2 Drip Shield On Top Of MCC .....	420.72	
26 24 19 00-0455 EA Standard Structure NEMA 3R N-Walk In Front Mounted .....	6,002.02	
26 24 19 00-0456 EA Standard Structure NEMA 3R N-Walk In Back-to-back .....	6,937.45	
26 24 19 00-0457 EA Standard Structure NEMA 3R Walk-In Aisle Front Mounted.....	6,944.17	
<b>26 24 19 00-0458 Installation Hours For Vertical Sections (26 24 19 00-0268)</b>		
26 24 19 00-0459 EA Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes .....	571.72	285.87
26 24 19 00-0460 EA Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes .....	857.58	428.81
26 24 19 00-0461 EA Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes .....	952.90	476.46
26 24 19 00-0462 EA Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes .....	1,143.59	571.75
26 24 19 00-0463 EA Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes .....	95.29	47.64
26 24 19 00-0464 EA Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes .....	571.72	285.87
26 24 19 00-0465 EA Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes .....	857.58	428.81
26 24 19 00-0466 EA Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes .....	952.90	476.46
26 24 19 00-0467 EA Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes .....	1,143.59	571.75
26 24 19 00-0468 EA Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes .....	95.29	47.64
26 24 19 00-0469 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes .....	667.05	333.51
26 24 19 00-0470 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes .....	857.58	428.81
26 24 19 00-0471 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes .....	1,143.59	571.75
26 24 19 00-0472 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes .....	1,333.90	666.94
26 24 19 00-0473 EA Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes .....	142.93	71.47
26 24 19 00-0474 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes .....	762.33	381.16
26 24 19 00-0475 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes .....	1,048.28	524.10
26 24 19 00-0476 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes .....	1,333.90	666.94
26 24 19 00-0477 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes .....	1,524.39	762.23
26 24 19 00-0478 EA Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes .....	190.58	95.29
26 24 19 00-0479 EA Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes .....	762.33	381.16
26 24 19 00-0480 EA Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes .....	1,143.59	571.75
26 24 19 00-0481 EA Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes .....	1,429.21	714.59
26 24 19 00-0482 EA Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes .....	1,620.04	810.07
26 24 19 00-0483 EA Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes .....	190.58	95.29
<b>26 24 19 00-0484 Motor Control Centers (26 24 19)</b>		
<b>26 24 19 00-0485 2.4 KV Motor Control Centers (26 24 19 00-0484)</b>		
26 24 19 00-0486 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp .....	16,681.39	190.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114.35	
26 24 19 00-0487 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp .....	16,681.39	190.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114.35	
26 24 19 00-0488 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp .....	16,681.39	190.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114.35	
26 24 19 00-0489 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp .....	16,729.07	214.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.65	
26 24 19 00-0490 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp .....	17,763.67	238.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	142.94	
26 24 19 00-0491 EA 2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp .....	17,811.30	262.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	157.23	
26 24 19 00-0492 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp .....	17,858.93	285.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	171.52	
26 24 19 00-0493 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp .....	17,954.26	333.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	200.12	
26 24 19 00-0494 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp .....	18,049.54	381.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	228.70	
26 24 19 00-0495 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp .....	30,447.23	428.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	257.27	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24	19 00-0496	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,676.03 285.87	476.46
26 24	19 00-0497	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,772.68 114.35	190.58
26 24	19 00-0498	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,806.21 122.93	204.87
26 24	19 00-0499	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,319.70 134.36	223.93
26 24	19 00-0500	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,638.26 142.94	238.22
26 24	19 00-0501	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,505.99 165.82	276.35
26 24	19 00-0502	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,903.82 177.24	295.40
26 24	19 00-0503	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42,299.65 188.67	314.46
26 24	19 00-0504	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46,326.75 205.83	343.04
26 24	19 00-0505	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53,914.03 228.70	381.16
26 24	19 00-0506	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58,414.13 243.01	404.99
26 24	19 00-0507	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89,243.31 285.87	476.46
26 24	19 00-0508	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95,081.15 314.48	524.10
26 24	19 00-0509	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100,161.24 343.08	571.75
26 24	19 00-0510	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109,065.76 371.70	619.49
26 24	19 00-0511	EA	2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,370.96 114.35	190.58
26 24	19 00-0512	EA	2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,418.64 128.65	214.40
26 24	19 00-0513	EA	2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,466.26 142.94	238.22
26 24	19 00-0514	EA	2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,513.89 157.23	262.05
26 24	19 00-0515	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,565.51 171.52	285.87
26 24	19 00-0516	EA	2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,613.20 185.82	309.69
26 24	19 00-0517	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,660.84 200.12	333.51
26 24	19 00-0518	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,851.37 257.27	428.81
26 24	19 00-0519	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40,701.53 285.87	476.46
26 24	19 00-0520	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40,796.91 314.48	524.10
26 24	19 00-0521	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,013.74 343.08	571.75
26 24	19 00-0522	EA	Add For Reversing Starters, 100 To 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,183.12 57.17	
26 24	19 00-0523	EA	Add For Reversing Starters, 1,000 To 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,462.27 57.17	
26 24	19 00-0524	EA	Add For Reversing Starters, 1,750 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,496.90 57.17	

**26 24 19 00-0525 4.8 KV Motor Control Centers (26 24 19 00-0484)**

26 24	19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,138.08 171.52	285.87
26 24	19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,185.77 185.82	309.69
26 24	19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,233.41 200.12	333.51
26 24	19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,281.08 214.42	357.34
26 24	19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,305.71 228.70	381.16
26 24	19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,353.40 243.01	404.99
26 24	19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,400.96 257.27	428.81
26 24	19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,448.69 271.59	452.64
26 24	19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,496.28 285.87	476.46
26 24	19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,071.80 371.70	619.49
26 24	19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,166.70 400.17	666.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0537 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP.....	35,385.53	714.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	428.76	
26 24 19 00-0538 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP.....	35,480.71	762.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	457.32	
26 24 19 00-0539 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP.....	25,246.38	285.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	171.52	
26 24 19 00-0540 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP.....	25,573.21	309.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	185.82	
26 24 19 00-0541 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP.....	29,828.01	333.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	200.12	
26 24 19 00-0542 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP.....	33,155.66	357.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	214.42	
26 24 19 00-0543 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP.....	35,994.75	381.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	228.70	
26 24 19 00-0544 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP.....	39,402.18	404.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	243.01	
26 24 19 00-0545 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP.....	42,600.12	428.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	257.27	
26 24 19 00-0546 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP.....	46,825.10	452.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	271.59	
26 24 19 00-0547 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP.....	54,250.16	476.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	285.87	
26 24 19 00-0548 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP.....	59,294.57	500.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	300.17	
26 24 19 00-0549 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP.....	64,386.63	547.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	328.77	
26 24 19 00-0550 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP.....	68,599.62	571.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	343.08	
26 24 19 00-0551 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP.....	72,573.18	595.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	357.34	
26 24 19 00-0552 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP.....	78,134.20	619.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	371.70	
26 24 19 00-0553 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP.....	123,900.72	762.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	457.32	
26 24 19 00-0554 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP.....	137,794.24	810.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	486.01	
26 24 19 00-0555 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP.....	165,654.58	857.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	514.55	
26 24 19 00-0556 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP.....	175,235.32	857.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	514.55	
26 24 19 00-0557 EA 4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP.....	24,919.00	333.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	200.12	
26 24 19 00-0558 EA 4.8 KV CL 14-202, Synchronous Motor Control, 700 HP.....	24,966.67	357.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	214.42	
26 24 19 00-0559 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP.....	25,014.28	381.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	228.70	
26 24 19 00-0560 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP.....	25,061.97	404.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	243.01	
26 24 19 00-0561 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP.....	27,211.11	428.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	257.27	
26 24 19 00-0562 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP.....	27,258.84	452.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	271.59	
26 24 19 00-0563 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP.....	27,306.43	476.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	285.87	
26 24 19 00-0564 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP.....	27,354.10	500.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	300.17	
26 24 19 00-0565 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP.....	27,401.81	524.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	314.48	
26 24 19 00-0566 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP.....	27,687.43	666.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	400.17	
26 24 19 00-0567 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP.....	44,816.73	714.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	428.76	
26 24 19 00-0568 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP.....	47,025.45	762.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	457.32	
26 24 19 00-0569 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP.....	47,025.45	762.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	457.32	
26 24 19 00-0570 EA Add For Reversing Starters, 100 To 1,250 HP.....	10,206.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.17	
26 24 19 00-0571 EA Add For Reversing Starters, 1,500 To 2,500 HP.....	10,517.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.17	
26 24 19 00-0572 EA Add For Reversing Starters, 3,000 To 4,500 HP.....	16,124.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.17	
<b>26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories (26 24 19 00-0484)</b>		
26 24 19 00-0574 EA 2.4/4.8 KV Load Break Disconnect Switch 600 Amperes.....	13,261.69	190.58
26 24 19 00-0575 EA 2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes.....	15,919.54	285.87
26 24 19 00-0576 EA 2.4/4.8 KV NEMA 3 Weather Resistant.....	5,243.26	
26 24 19 00-0577 EA 2.4/4.8 KV Space Heaters.....	230.63	14.29
26 24 19 00-0578 EA 2.4/4.8 KV Potential Transformer Fused.....	1,519.01	
26 24 19 00-0579 EA 2.4/4.8 KV Current Transformer 600 Volt, 5 KVA.....	815.03	
26 24 19 00-0580 EA 2.4/4.8 KV Control Transformer 4 KVA Max.....	2,427.31	
26 24 19 00-0581 EA 2.4/4.8 KV Pushbuttons Each.....	155.45	
26 24 19 00-0582 EA 2.4/4.8 KV Selector Switch Each.....	515.22	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0583	EA		2.4/4.8 KV Indicating Light.....	155.45	
26 24 19 00-0584	EA		2.4/4.8 KV Push To Test Light.....	470.81	
26 24 19 00-0585	EA		2.4/4.8 KV AC Voltmeter, Switchboard Type.....	1,252.52	
26 24 19 00-0586	EA		2.4/4.8 KV AC Ammeter, Switchboard Type.....	1,252.52	
26 24 19 00-0587	EA		2.4/4.8 KV Power Factor Meter.....	3,746.46	
26 24 19 00-0588	EA		2.4/4.8 KV Watt Hr Meter, 2 Element Drawout.....	2,582.77	
26 24 19 00-0589	EA		2.4/4.8 KV Operation Counter.....	499.39	14.29
26 24 19 00-0590	EA		2.4/4.8 KV Phase Failure Protection.....	3,608.57	47.64
26 24 19 00-0591	EA		2.4/4.8 KV Ground Protection.....	6,914.30	23.82
26 24 19 00-0592	EA		2.4/4.8 KV Synchronous Motor DC Protection.....	2,767.34	23.82
26 24 19 00-0593	EA		2.4/4.8 KV Lightning Arresters.....	4,936.27	14.29
26 24 19 00-0594	EA		2.4/4.8 KV Portable Lifting Mechanism.....	7,153.72	
26 24 19 00-0595	EA		2.4/4.8 KV Auxiliary Timing Relay.....	568.68	47.64
26 24 19 00-0596	EA		2.4/4.8 KV Auxiliary Control Relay.....	408.34	47.64
<b>26 24 19 00-0597</b>			<b>Incoming Section And Feeder Air Circuit Breakers</b> <small>(26 24 19 00-0484)</small>		
			Note: 3 Pole. Includes structure.		
26 24 19 00-0598	EA		Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included.....	1,180.22	285.81
26 24 19 00-0599	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included.....	2,044.41	505.91
26 24 19 00-0600	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	2,425.26	647.77
26 24 19 00-0601	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	3,905.78	1,043.11
26 24 19 00-0602	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	4,613.23	1,147.43
26 24 19 00-0603	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	6,037.12	1,272.60
26 24 19 00-0604	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included.....	7,021.66	1,491.65
26 24 19 00-0605	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included.....	12,494.51	1,737.82
<b>26 24 19 00-0606</b>			<b>Main Lugs Only</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0607	EA		600 Amperes Incoming Section, Main Lugs.....	889.87	365.09
26 24 19 00-0608	EA		800 Amperes Incoming Section, Main Lugs.....	963.72	365.09
26 24 19 00-0609	EA		1,200 Amperes Incoming Section, Main Lugs.....	1,338.22	573.71
26 24 19 00-0610	EA		2,000 Amperes Incoming Section, Main Lugs.....	3,434.40	1,043.11
26 24 19 00-0611	EA		3,000 Amperes Incoming Section, Main Lugs.....	5,245.13	1,512.51
26 24 19 00-0612	EA		4,000 Amperes Incoming Section, Main Lugs.....	7,528.98	2,086.22
<b>26 24 19 00-0613</b>			<b>Incoming Main Circuit Breaker Structure</b> <small>(26 24 19 00-0484)</small>		
			Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0614	EA		225 Amperes, Main Circuit Breaker Section.....	6,709.06	504.76
			For NEMA 1 With Gaskets, Add.....	97.00	
			For 800 Amperes, Tin Plated Copper Bus, Add.....	182.00	
			For 20" Cabinet Depth, Add.....	108.00	
			For NEMA 12, Add.....	245.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add.....	334.00	
26 24 19 00-0615	EA		400 Amperes, Main Circuit Breaker Section.....	14,403.61	648.40
			For NEMA 1 With Gaskets, Add.....	97.00	
			For 800 Amperes, Tin Plated Copper Bus, Add.....	182.00	
			For 20" Cabinet Depth, Add.....	108.00	
			For NEMA 12, Add.....	245.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add.....	334.00	
26 24 19 00-0616	EA		600 Amperes, Main Circuit Breaker Section.....	14,826.49	1,009.94
			For NEMA 1 With Gaskets, Add.....	97.00	
			For 800 Amperes, Tin Plated Copper Bus, Add.....	182.00	
			For 20" Cabinet Depth, Add.....	108.00	
			For NEMA 12, Add.....	245.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add.....	334.00	
26 24 19 00-0617	EA		800 Amperes, Main Circuit Breaker Section.....	21,228.82	1,009.94
			For NEMA 1 With Gaskets, Add.....	97.00	
			For 800 Amperes, Tin Plated Copper Bus, Add.....	182.00	
			For 20" Cabinet Depth, Add.....	108.00	
			For NEMA 12, Add.....	245.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add.....	334.00	
26 24 19 00-0618	EA		1,200 Amperes, Main Circuit Breaker Section.....	30,848.30	1,142.73
			For NEMA 1 With Gaskets, Add.....	97.00	
			For 800 Amperes, Tin Plated Copper Bus, Add.....	182.00	
			For 20" Cabinet Depth, Add.....	108.00	
			For NEMA 12, Add.....	245.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add.....	334.00	
<b>26 24 19 00-0619</b>			<b>Incoming Fusible Main Disconnect Section</b> <small>(26 24 19 00-0484)</small>		
			Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0620 EA 200 Amperes, Fusible Main Disconnect Section.....	5,799.90	505.39
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
26 24 19 00-0621 EA 400 Amperes, Fusible Main Disconnect Section.....	8,026.85	648.71
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
26 24 19 00-0622 EA 600 Amperes, Fusible Main Disconnect Section.....	15,779.52	1,010.78
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
26 24 19 00-0623 EA 800 Amperes, Fusible Main Disconnect Section.....	18,405.88	1,010.78
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
26 24 19 00-0624 EA 1,200 Amperes, Fusible Main Disconnect Section.....	26,029.41	1,143.77
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
<b>26 24 19 00-0625 Circuit Breaker Combination Starters</b> <small>(26 24 19 00-0484)</small>		
<b>26 24 19 00-0626 Class I, Type A</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0627 EA Size 1, Class I, Type A Circuit Breaker Combination Starter .....	997.64	211.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.73	
26 24 19 00-0628 EA Size 2, Class I, Type A Circuit Breaker Combination Starter .....	1,164.27	211.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	133.73	
26 24 19 00-0629 EA Size 3, Class I, Type A Circuit Breaker Combination Starter .....	1,698.12	300.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	179.85	
26 24 19 00-0630 EA Size 4, Class I, Type A Circuit Breaker Combination Starter .....	2,796.34	395.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	237.07	
26 24 19 00-0631 EA Size 5, Class I, Type A Circuit Breaker Combination Starter .....	5,081.29	494.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	296.34	
<b>26 24 19 00-0632 Class I, Type B</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0633 EA Size 1, Class I, Type B Circuit Breaker Combination Starter .....	949.75	184.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.31	
26 24 19 00-0634 EA Size 2, Class I, Type B Circuit Breaker Combination Starter .....	1,110.06	184.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.47	
26 24 19 00-0635 EA Size 3, Class I, Type B Circuit Breaker Combination Starter .....	1,633.55	267.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160.48	
26 24 19 00-0636 EA Size 4, Class I, Type B Circuit Breaker Combination Starter .....	2,730.48	361.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	217.31	
26 24 19 00-0637 EA Size 5, Class I, Type B Circuit Breaker Combination Starter .....	5,028.18	462.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	280.41	
<b>26 24 19 00-0638 Class I, Type C</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0639 EA Size 1, Class I, Type C Circuit Breaker Combination Starter .....	1,009.20	171.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.49	
26 24 19 00-0640 EA Size 2, Class I, Type C Circuit Breaker Combination Starter .....	1,178.49	171.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.97	
26 24 19 00-0641 EA Size 3, Class I, Type C Circuit Breaker Combination Starter .....	1,757.18	255.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.40	
26 24 19 00-0642 EA Size 4, Class I, Type C Circuit Breaker Combination Starter .....	2,860.03	353.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	212.02	
26 24 19 00-0643 EA Size 5, Class I, Type C Circuit Breaker Combination Starter .....	5,150.58	453.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	271.64	
<b>26 24 19 00-0644 Class II, Type B</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0645 EA Size 1, Class II, Type B Circuit Breaker Combination Starter .....	988.28	253.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.29	
26 24 19 00-0646 EA Size 2, Class II, Type B Circuit Breaker Combination Starter .....	1,383.63	253.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.99	
26 24 19 00-0647 EA Size 3, Class II, Type B Circuit Breaker Combination Starter .....	1,972.42	337.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	202.15	
26 24 19 00-0648 EA Size 4, Class II, Type B Circuit Breaker Combination Starter .....	3,253.29	432.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	260.78	
26 24 19 00-0649 EA Size 5, Class II, Type B Circuit Breaker Combination Starter .....	5,940.18	528.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	318.02	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>26 24 19 00-0650</b>	<b>Class II, Type C</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0651	EA Size 1, Class II, Type C Circuit Breaker Combination Starter .....	1,252.92	239.92
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.25	
26 24 19 00-0652	EA Size 2, Class II, Type C Circuit Breaker Combination Starter .....	1,442.19	239.92
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.87	
26 24 19 00-0653	EA Size 3, Class II, Type C Circuit Breaker Combination Starter .....	2,101.57	327.54
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	196.07	
26 24 19 00-0654	EA Size 4, Class II, Type C Circuit Breaker Combination Starter .....	3,375.18	422.47
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	253.18	
26 24 19 00-0655	EA Size 5, Class II, Type C Circuit Breaker Combination Starter .....	6,076.82	521.56
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	314.19	
<b>26 24 19 00-0656</b>	<b>Fused Disconnect Combination Starter</b> <small>(26 24 19 00-0484)</small>		
<b>26 24 19 00-0657</b>	<b>Class I, Type A</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0658	EA Size 1, Class I, Type A Fused Disconnect Combination Starter .....	907.41	195.06
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.47	
26 24 19 00-0659	EA Size 2, Class I, Type A Fused Disconnect Combination Starter .....	1,374.84	267.04
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.99	
26 24 19 00-0660	EA Size 3, Class I, Type A Fused Disconnect Combination Starter .....	2,202.73	347.35
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	208.62	
26 24 19 00-0661	EA Size 4, Class I, Type A Fused Disconnect Combination Starter .....	3,010.34	487.13
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	293.01	
26 24 19 00-0662	EA Size 5, Class I, Type A Fused Disconnect Combination Starter .....	5,327.99	620.65
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	372.54	
<b>26 24 19 00-0663</b>	<b>Class I, Type B</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0664	EA Size 1, Class I, Type B Fused Disconnect Combination Starter .....	929.97	174.20
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.31	
26 24 19 00-0665	EA Size 2, Class I, Type B Fused Disconnect Combination Starter .....	1,251.40	238.87
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.29	
26 24 19 00-0666	EA Size 3, Class I, Type B Fused Disconnect Combination Starter .....	1,859.35	319.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.75	
26 24 19 00-0667	EA Size 4, Class I, Type B Fused Disconnect Combination Starter .....	3,127.03	461.05
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	277.43	
26 24 19 00-0668	EA Size 5, Class I, Type B Fused Disconnect Combination Starter .....	5,430.44	586.23
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	352.40	
<b>26 24 19 00-0669</b>	<b>Class I, Type C</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0670	EA Size 1, Class I, Type C Fused Disconnect Combination Starter .....	989.14	162.73
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.67	
26 24 19 00-0671	EA Size 2, Class I, Type C Fused Disconnect Combination Starter .....	1,328.66	221.14
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	133.73	
26 24 19 00-0672	EA Size 3, Class I, Type C Fused Disconnect Combination Starter .....	2,029.56	307.72
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.27	
26 24 19 00-0673	EA Size 4, Class I, Type C Fused Disconnect Combination Starter .....	3,296.26	453.76
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	271.64	
26 24 19 00-0674	EA Size 5, Class I, Type C Fused Disconnect Combination Starter .....	5,131.66	579.97
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	347.71	
<b>26 24 19 00-0675</b>	<b>Class II, Type B</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0676	EA Size 1, Class II, Type B Fused Disconnect Combination Starter .....	1,167.29	244.09
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	146.50	
26 24 19 00-0677	EA Size 2, Class II, Type B Fused Disconnect Combination Starter .....	1,510.62	304.59
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.36	
26 24 19 00-0678	EA Size 3, Class II, Type B Fused Disconnect Combination Starter .....	2,201.71	392.21
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	234.94	
26 24 19 00-0679	EA Size 4, Class II, Type B Fused Disconnect Combination Starter .....	3,609.56	528.86
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	318.02	
26 24 19 00-0680	EA Size 5, Class II, Type B Fused Disconnect Combination Starter .....	6,247.40	660.29
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	395.12	
<b>26 24 19 00-0681</b>	<b>Class II, Type C</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0682	EA Size 1, Class II, Type C Fused Disconnect Combination Starter .....	1,217.76	229.49
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.25	
26 24 19 00-0683	EA Size 2, Class II, Type C Fused Disconnect Combination Starter .....	1,587.53	287.90
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.70	
26 24 19 00-0684	EA Size 3, Class II, Type C Fused Disconnect Combination Starter .....	2,346.52	374.48
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	224.81	
26 24 19 00-0685	EA Size 4, Class II, Type C Fused Disconnect Combination Starter .....	3,762.89	516.34
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	310.45	
26 24 19 00-0686	EA Size 5, Class II, Type C Fused Disconnect Combination Starter .....	6,397.16	639.42
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	383.50	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 19 00-0687</b> <b>Space Complete With Bus And Hardware</b> <small>(26 24 19 00-0484)</small>		
<b>26 24 19 00-0688</b> <b>Circuit Breaker Type</b> <small>(26 24 19 00-0687)</small>		
26 24 19 00-0689    EA    Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware.....	277.57	70.93
26 24 19 00-0690    EA    Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware.....	277.57	70.93
26 24 19 00-0691    EA    Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware.....	413.01	103.27
26 24 19 00-0692    EA    Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware.....	486.33	135.61
26 24 19 00-0693    EA    Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware.....	822.86	206.54
<b>26 24 19 00-0694</b> <b>Fused Disconnect Type</b> <small>(26 24 19 00-0687)</small>		
26 24 19 00-0695    EA    Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware.....	277.57	70.93
26 24 19 00-0696    EA    Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware.....	365.20	103.27
26 24 19 00-0697    EA    Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	509.73	135.61
26 24 19 00-0698    EA    Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	888.14	206.54
26 24 19 00-0699    EA    Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	1,234.38	300.41
<b>26 24 19 00-0700</b> <b>Blank Space For Future Expansion</b> <small>(26 24 19 00-0687)</small>		
Note: Factory modified no labor costs.		
26 24 19 00-0701    EA    Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs .....	136.23	
26 24 19 00-0702    EA    Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs .....	136.23	
26 24 19 00-0703    EA    Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs .....	206.54	
26 24 19 00-0704    EA    Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs .....	206.54	
26 24 19 00-0705    EA    Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs .....	410.89	
<b>26 24 19 00-0706</b> <b>Structure Combination Of Starters To 72" High</b> <small>(26 24 19 00-0687)</small>		
26 24 19 00-0707    EA    Structure Combination Of Starters To 72" High .....	3,312.61	548.99
<b>26 24 19 00-0708</b> <b>Motor Control Center Basic Distribution Section</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0709    EA    20" Wide Basic Section With Vertical Wireway .....	5,399.98	1,429.69
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
For NEMA 12, Add	245.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For NEMA 1 With Gasket, Add	97.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0710    EA    25"-35" Wide Basic Section (No Vertical Wireway).....	5,399.98	1,429.69
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
For NEMA 12, Add	245.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For NEMA 1 With Gasket, Add	97.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0711    EA    25" Wide Basic Section With 9" Wide Vertical Wireway .....	5,998.63	1,429.69
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
For NEMA 12, Add	245.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For NEMA 1 With Gasket, Add	97.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0712    EA    Corner Section.....	5,998.63	1,429.69
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
For NEMA 12, Add	245.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For NEMA 1 With Gasket, Add	97.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For 20" Cabinet Depth, Add	108.00	
<b>26 24 19 00-0713</b> <b>Motor Control Center Starters With HMCP Circuit Breaker</b> <small>(26 24 19 00-0484)</small>		
Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
<b>26 24 19 00-0714</b> <b>FVNR Starters With HMCP Circuit Breaker</b> <small>(26 24 19 00-0713)</small>		
26 24 19 00-0715    EA    Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker .....	1,443.23	200.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	120.47	
26 24 19 00-0716    EA    Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker .....	1,606.58	222.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	133.62	
26 24 19 00-0717    EA    Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker .....	2,806.74	299.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	179.64	
26 24 19 00-0718    EA    Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker .....	4,080.83	394.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	236.86	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0719	EA		Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,403.39 296.00	493.29
26 24 19 00-0720	EA		Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,156.75 296.00	493.29
26 24 19 00-0721	EA		Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,464.27 104.20	173.68
26 24 19 00-0722	EA		Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,651.51 117.34	195.58
26 24 19 00-0723	EA		Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,879.32 160.22	267.04
26 24 19 00-0724	EA		Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,091.58 217.19	361.96
26 24 19 00-0725	EA		Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,427.70 280.41	467.31
26 24 19 00-0726	EA		Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,318.29 280.41	467.31
<b>26 24 19 00-0727</b>			<b>Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker</b> <small>(26 24 19 00-0713)</small>		
26 24 19 00-0728	EA		Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,328.93 150.74	251.29
26 24 19 00-0729	EA		Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,864.68 166.81	277.99
26 24 19 00-0730	EA		Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,741.96 224.17	373.64
26 24 19 00-0731	EA		Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,194.50 296.34	493.91
26 24 19 00-0732	EA		Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,866.54 370.77	617.94
26 24 19 00-0733	EA		Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,374.81 130.17	216.97
26 24 19 00-0734	EA		Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,935.25 146.78	244.61
26 24 19 00-0735	EA		Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,838.87 200.60	334.32
26 24 19 00-0736	EA		Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,226.62 271.64	452.71
26 24 19 00-0737	EA		Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,914.47 350.82	584.66
<b>26 24 19 00-0738</b>			<b>Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker</b> <small>(26 24 19 00-0713)</small>		
26 24 19 00-0739	EA		Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,557.81 150.74	251.29
26 24 19 00-0740	EA		Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,659.66 166.81	277.99
26 24 19 00-0741	EA		Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,943.79 224.17	373.64
26 24 19 00-0742	EA		Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,459.45 296.34	493.91
26 24 19 00-0743	EA		Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,055.07 370.77	617.94
26 24 19 00-0744	EA		Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,603.69 130.17	216.97
26 24 19 00-0745	EA		Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,730.23 146.78	244.61
26 24 19 00-0746	EA		Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,040.71 200.60	334.32
26 24 19 00-0747	EA		Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,491.57 271.64	452.71
26 24 19 00-0748	EA		Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,103.00 350.82	584.66
<b>26 24 19 00-0749</b>			<b>Motor Control Center Starters With Fusible Disconnect</b> <small>(26 24 19 00-0484)</small>		
			Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
<b>26 24 19 00-0750</b>			<b>FVNR Starters With Fusible Disconnect</b> <small>(26 24 19 00-0749)</small>		
26 24 19 00-0751	EA		Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect .....	1,156.02	195.79
26 24 19 00-0752	EA		Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect .....	1,504.18	266.09
26 24 19 00-0753	EA		Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect .....	2,532.24	346.73
26 24 19 00-0754	EA		Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect .....	4,293.95	488.38
26 24 19 00-0755	EA		Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect .....	8,717.06	620.86
26 24 19 00-0756	EA		Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect .....	22,333.96	620.86
26 24 19 00-0757	EA		Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect .....	1,185.96	173.58
26 24 19 00-0758	EA		Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect .....	1,547.90	238.35
26 24 19 00-0759	EA		Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect .....	2,615.17	319.61
26 24 19 00-0760	EA		Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect .....	4,318.29	462.41
26 24 19 00-0761	EA		Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect .....	8,726.23	587.38
26 24 19 00-0762	EA		Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect .....	22,480.46	587.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect</b> <small>(2624 19 00-0749)</small>		
26 24 19 00-0764 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,014.53	245.13
26 24 19 00-0765 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,809.10	332.64
26 24 19 00-0766 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	4,369.79	433.20
26 24 19 00-0767 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	9,233.61	612.20
26 24 19 00-0768 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	15,092.46	716.41
26 24 19 00-0769 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,071.67	216.97
26 24 19 00-0770 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,876.56	297.70
26 24 19 00-0771 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	4,478.81	399.93
26 24 19 00-0772 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	9,277.63	576.94
26 24 19 00-0773 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	15,125.24	675.63
<b>26 24 19 00-0774 Two Speed 1-Winding (TS1W) With Fusible Disconnect</b> <small>(2624 19 00-0749)</small>		
26 24 19 00-0775 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,359.38	245.13
26 24 19 00-0776 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,616.29	332.64
26 24 19 00-0777 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	6,594.51	433.20
26 24 19 00-0778 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	9,697.48	612.20
26 24 19 00-0779 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	18,429.55	716.41
26 24 19 00-0780 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,417.54	216.97
26 24 19 00-0781 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,683.75	297.70
26 24 19 00-0782 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	6,703.54	399.93
26 24 19 00-0783 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	9,741.50	576.94
26 24 19 00-0784 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	18,462.33	675.63
<b>26 24 19 00-0785 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit</b> <small>(2624 19 00-0484)</small>		
Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786 EA 600 Amperes, Horizontal Tin Plated Copper Bus Kit .....	258.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.84	
26 24 19 00-0787 EA 800 Amperes, Horizontal Tin Plated Copper Bus Kit .....	317.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.84	
26 24 19 00-0788 EA 1,200 Amperes, Horizontal Tin Plated Copper Bus Kit .....	381.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.41	
26 24 19 00-0789 EA 1,600 Amperes, Horizontal Tin Plated Copper Bus Kit .....	497.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.41	
26 24 19 00-0790 EA 2,000 Amperes, Horizontal Tin Plated Copper Bus Kit .....	836.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.97	
26 24 19 00-0791 EA 1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit .....	147.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27	
<b>26 24 19 00-0792 Disconnect Switch For Motor Control Centers</b> <small>(26 24 19 00-0484)</small>		
<b>26 24 19 00-0793 3 Pole Circuit Breaker Disconnect For Motor Control Center</b> <small>(2624 19 00-0792)</small>		
Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794 EA 150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	789.60	150.73
26 24 19 00-0795 EA 150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,363.17	166.90
26 24 19 00-0796 EA 225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,667.10	224.79
26 24 19 00-0797 EA 400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	2,751.48	296.24
26 24 19 00-0798 EA 600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	4,726.54	370.30
26 24 19 00-0799 EA 800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	5,381.78	370.30
26 24 19 00-0800 EA 1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	11,029.81	463.66
<b>26 24 19 00-0801 Fusible Disconnect Switch For Motor Control Center</b> <small>(2624 19 00-0792)</small>		
Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0802 EA 30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips.....	796.64	146.56
26 24 19 00-0803 EA 60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips.....	933.60	199.75
26 24 19 00-0804 EA 100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips.....	1,283.22	255.57
26 24 19 00-0805 EA 200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips.....	2,415.36	366.13
26 24 19 00-0806 EA 400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips.....	4,329.47	465.65
26 24 19 00-0807 EA 600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips.....	10,066.76	465.65
26 24 19 00-0808 EA 800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips.....	12,443.45	582.06
26 24 19 00-0809 EA 1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips.....	18,449.29	582.06
<b>26 24 19 00-0810 Control Circuit Transformer</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0811 EA Control Circuit Transformer, Size 1 Factory Installed .....	72.68	
26 24 19 00-0812 EA Control Circuit Transformer, Size 2 Factory Installed .....	72.68	
26 24 19 00-0813 EA Control Circuit Transformer, Size 3 Factory Installed .....	139.97	
26 24 19 00-0814 EA Control Circuit Transformer, Size 4 Factory Installed .....	139.97	
26 24 19 00-0815 EA Control Circuit Transformer, Size 5 Factory Installed .....	194.46	
26 24 19 00-0816 EA Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay .....	51.05	11.81
<b>26 24 19 00-0817 Cover Mounted Control Devices</b> <small>(2624 19 00-0484)</small>		
26 24 19 00-0818 EA Control Device, 2 Unit Push Button Station Cover Mounted.....	116.14	20.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.04	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0819	EA		Control Device, 2-3 Unit Selector Switch Cover Mounted.....	129.70	20.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.30	
26 24 19 00-0820	EA		Control Device, Pilot Light Cover Mounted.....	110.61	20.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.77	
26 24 19 00-0821	EA		Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light.....	293.25	70.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.75	
26 24 19 00-0822	EA		Auxiliary Contact Add Per Starter.....	366.91	27.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.22	
<b>26 24 19 00-0823</b>			<b>Extra Interlocks</b> (26 24 19 00-0484)		
			Note: Per contact.		
26 24 19 00-0824	EA		Extra Interlocks, Class I, Type A Per Contact.....	75.10	13.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.77	
26 24 19 00-0825	EA		Extra Interlocks, Class I, Type B Per Contact.....	105.48	13.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.77	
26 24 19 00-0826	EA		Extra Interlocks, Class I, Type C Per Contact.....	118.31	13.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.15	
26 24 19 00-0827	EA		Extra Interlocks, Class II, Type B Per Contact.....	106.81	13.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.52	
26 24 19 00-0828	EA		Extra Interlocks, Class II, Type C Per Contact.....	113.63	13.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.92	
<b>26 24 19 00-0829</b>			<b>Special Cabinet Provisions</b> (26 24 19 00-0484)		
26 24 19 00-0830	EA		Provisions For Bus Duct Entrance Special Cabinet Provisions.....	909.82	
<b>26 24 19 00-0831</b>			<b>Nameplate Requirements</b> (26 24 19 00-0484)		
26 24 19 00-0832	EA		Special Cabinet Nameplate Requirements.....	32.30	
<b>26 24 19 00-0833</b>			<b>Auxiliary Relays</b> (26 24 19 00-0484)		
26 24 19 00-0834	EA		Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts.....	171.88	26.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.68	
26 24 19 00-0835	EA		Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay.....	162.16	23.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.68	
26 24 19 00-0836	EA		General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base.....	89.64	23.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.68	
<b>26 24 19 00-0837</b>			<b>Motor Control Center Accessories</b> (26 24 19 00-0484)		
<b>26 24 19 00-0838</b>			<b>Lighting Transformer With Circuit Breaker</b> (26 24 19 00-0837)		
			Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA		1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,197.37	335.90
26 24 19 00-0840	EA		1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,403.69	349.34
26 24 19 00-0841	EA		1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,913.55	376.21
26 24 19 00-0842	EA		1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,448.39	403.09
26 24 19 00-0843	EA		1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,038.13	429.95
26 24 19 00-0844	EA		1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	12,340.17	483.70
26 24 19 00-0845	EA		1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	16,234.86	537.45
26 24 19 00-0846	EA		3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,455.63	443.39
26 24 19 00-0847	EA		3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,272.63	483.70
26 24 19 00-0848	EA		3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,752.30	537.45
26 24 19 00-0849	EA		3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	12,463.56	591.20
26 24 19 00-0850	EA		3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	15,051.60	644.93
26 24 19 00-0851	EA		3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	15,523.60	698.68
<b>26 24 19 00-0852</b>			<b>Bolt-On Lighting Panel</b> (26 24 19 00-0837)		
			Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853	EA		18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,072.66	542.83
26 24 19 00-0854	EA		30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	3,201.93	944.85
26 24 19 00-0855	EA		42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	4,248.36	1,278.33
26 24 19 00-0856	EA		18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,161.67	587.38
26 24 19 00-0857	EA		30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	3,161.73	924.72
26 24 19 00-0858	EA		42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	4,408.15	1,358.24
26 24 19 00-0859	EA		18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	3,584.58	629.62
26 24 19 00-0860	EA		30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	4,720.79	1,010.78
26 24 19 00-0861	EA		42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	5,869.94	1,358.24
26 24 19 00-0862	EA		18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	3,683.62	679.06
26 24 19 00-0863	EA		30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	4,720.79	1,010.78
26 24 19 00-0864	EA		42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	5,957.56	1,402.04
<b>26 24 19 00-0865</b>			<b>Factory Installed Bolt-On Branch Circuit Breaker</b> (26 24 19 00-0837)		
			Note: For MCC lighting panel only.		
26 24 19 00-0866	EA		15 To 30 Amperes, 1 Pole, Bolt-On Branch Circuit Breaker.....	19.58	
26 24 19 00-0867	EA		15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker.....	280.39	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0868	EA	15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker .....		38.27	
26 24 19 00-0869	EA	60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker .....		88.10	
26 24 19 00-0870	EA	15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker .....		103.23	
26 24 19 00-0871	EA	60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker .....		156.63	

**26 24 19 00-0872 Blank Unit Door (BUD)** (26 24 19 00-0837)

Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.

26 24 19 00-0873	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....		74.77	
26 24 19 00-0874	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....		89.73	
26 24 19 00-0875	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....		134.59	
26 24 19 00-0876	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....		179.45	
26 24 19 00-0877	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....		269.18	
26 24 19 00-0878	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....		314.04	
26 24 19 00-0879	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....		358.90	

**26 25 Enclosed Bus Assemblies** (26 20)

**26 25 13 Low-Voltage Busways** (26 25)

**26 25 13 00-0001 Plug-In Bus Duct** (26 25 13)

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

**26 25 13 00-0002 600 Volt, 3-Phase, 3-Wire, Copper Conductors** (26 25 13 00-0001)

26 25 13 00-0003	LF	225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors .....		206.63	31.29
		For Up To 25, Add		51.66	
		For >25 To 50, Add		30.99	
		For >50 To 100, Add		15.50	
26 25 13 00-0004	LF	400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors .....		349.49	31.29
		For Up To 25, Add		87.37	
		For >25 To 50, Add		52.42	
		For >50 To 100, Add		26.21	
26 25 13 00-0005	LF	600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors .....		442.27	41.73
		For Up To 25, Add		110.57	
		For >25 To 50, Add		66.34	
		For >50 To 100, Add		33.17	
26 25 13 00-0006	LF	800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors .....		608.92	41.73
		For Up To 25, Add		152.23	
		For >25 To 50, Add		91.34	
		For >50 To 100, Add		45.67	
26 25 13 00-0007	LF	1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors .....		642.49	52.15
		For Up To 25, Add		160.62	
		For >25 To 50, Add		96.37	
		For >50 To 100, Add		48.19	
26 25 13 00-0008	LF	1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors .....		892.89	52.15
		For Up To 25, Add		223.22	
		For >25 To 50, Add		133.93	
		For >50 To 100, Add		66.97	
26 25 13 00-0009	LF	1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors .....		1,043.89	54.76
		For Up To 25, Add		260.97	
		For >25 To 50, Add		156.58	
		For >50 To 100, Add		78.29	
26 25 13 00-0010	LF	2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors .....		1,269.33	56.32
		For Up To 25, Add		317.33	
		For >25 To 50, Add		190.40	
		For >50 To 100, Add		95.20	
26 25 13 00-0011	LF	2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors .....		1,564.90	59.45
		For Up To 25, Add		391.23	
		For >25 To 50, Add		234.74	
		For >50 To 100, Add		117.37	
26 25 13 00-0012	LF	3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors .....		1,807.05	69.37
		For Up To 25, Add		451.76	
		For >25 To 50, Add		271.06	
		For >50 To 100, Add		135.53	
26 25 13 00-0013	LF	4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors .....		2,090.47	75.62
		For Up To 25, Add		522.62	
		For >25 To 50, Add		313.57	
		For >50 To 100, Add		156.79	

**26 25 13 00-0014 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors** (26 25 13 00-0001)

26 25 13 00-0015	LF	225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors .....		402.23	31.29
		For Up To 25, Add		100.56	
		For >25 To 50, Add		60.33	
		For >50 To 100, Add		30.17	
26 25 13 00-0016	LF	400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors .....		579.35	31.29
		For Up To 25, Add		144.84	
		For >25 To 50, Add		86.90	
		For >50 To 100, Add		43.45	
26 25 13 00-0017	LF	600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors .....		655.05	41.73
		For Up To 25, Add		163.76	
		For >25 To 50, Add		98.26	
		For >50 To 100, Add		49.13	

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 25</b>	<b>Enclosed Bus Assemblies</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25	13 00-0018	LF	800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	831.89	41.73
			<i>For Up To 25, Add</i>	207.97	
			<i>For &gt;25 To 50, Add</i>	124.78	
			<i>For &gt;50 To 100, Add</i>	62.39	
26 25	13 00-0019	LF	1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,014.06	52.15
			<i>For Up To 25, Add</i>	253.52	
			<i>For &gt;25 To 50, Add</i>	152.11	
			<i>For &gt;50 To 100, Add</i>	76.05	
26 25	13 00-0020	LF	1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,312.23	52.15
			<i>For Up To 25, Add</i>	328.06	
			<i>For &gt;25 To 50, Add</i>	196.83	
			<i>For &gt;50 To 100, Add</i>	98.42	
26 25	13 00-0021	LF	1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,695.33	54.03
			<i>For Up To 25, Add</i>	423.83	
			<i>For &gt;25 To 50, Add</i>	254.30	
			<i>For &gt;50 To 100, Add</i>	127.15	
26 25	13 00-0022	LF	2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,040.41	56.32
			<i>For Up To 25, Add</i>	510.10	
			<i>For &gt;25 To 50, Add</i>	306.06	
			<i>For &gt;50 To 100, Add</i>	153.03	
26 25	13 00-0023	LF	2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,528.84	58.93
			<i>For Up To 25, Add</i>	632.21	
			<i>For &gt;25 To 50, Add</i>	379.33	
			<i>For &gt;50 To 100, Add</i>	189.66	
26 25	13 00-0024	LF	3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,919.31	69.37
			<i>For Up To 25, Add</i>	729.83	
			<i>For &gt;25 To 50, Add</i>	437.90	
			<i>For &gt;50 To 100, Add</i>	218.95	
26 25	13 00-0025	LF	4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,383.27	75.62
			<i>For Up To 25, Add</i>	845.82	
			<i>For &gt;25 To 50, Add</i>	507.49	
			<i>For &gt;50 To 100, Add</i>	253.75	
26 25	13 00-0026		<b>Cable Tap Boxes</b> <small>(26 25 13 00-0001)</small>		
26 25	13 00-0027		<b>600 Volt, 3-Phase, 3-Wire, Copper Conductors</b> <small>(26 25 13 00-0026)</small>		
26 25	13 00-0028	EA	225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,020.70	146.04
26 25	13 00-0029	EA	400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,089.79	146.04
26 25	13 00-0030	EA	600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,260.07	198.19
26 25	13 00-0031	EA	800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,406.10	198.19
26 25	13 00-0032	EA	1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,581.13	260.78
26 25	13 00-0033	EA	1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,828.18	260.78
26 25	13 00-0034		<b>277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors</b> <small>(26 25 13 00-0026)</small>		
26 25	13 00-0035	EA	225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,089.79	286.86
26 25	13 00-0036	EA	400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,272.04	286.86
26 25	13 00-0037	EA	600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,428.98	391.16
26 25	13 00-0038	EA	800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,729.58	391.16
26 25	13 00-0039	EA	1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,872.23	521.56
26 25	13 00-0040	EA	1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	3,267.04	521.56
26 25	13 00-0041		<b>Bus Duct Plug-In Circuit Breaker</b> <small>(26 25 13 00-0001)</small>		
26 25	13 00-0042		<b>240 Volt, 3-Phase</b> <small>(26 25 13 00-0041)</small>		
26 25	13 00-0043	EA	60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker.....	913.08	104.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.06	
26 25	13 00-0044	EA	100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker.....	1,811.25	104.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.25	
26 25	13 00-0045		<b>600 Volt, 3-Phase</b> <small>(26 25 13 00-0041)</small>		
26 25	13 00-0046	EA	60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker.....	1,757.28	104.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.06	
26 25	13 00-0047	EA	100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker .....	2,276.01	104.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.25	
26 25	13 00-0048		<b>120/208 Volt, 3-Phase, 4-Wire</b> <small>(26 25 13 00-0041)</small>		
26 25	13 00-0049	EA	60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker.....	1,051.40	125.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.20	
26 25	13 00-0050	EA	100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker.....	1,256.53	125.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.50	
26 25	13 00-0051		<b>277/480 Volt, 3-Phase, 4-Wire</b> <small>(26 25 13 00-0041)</small>		
26 25	13 00-0052	EA	60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	1,202.20	125.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.20	
26 25	13 00-0053	EA	100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	1,847.01	125.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0054 EA 225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	2,707.24	432.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>187.61</i>	
26 25 13 00-0055 EA 400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	6,456.14	432.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>407.47</i>	
26 25 13 00-0056 EA 600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	7,227.83	1,251.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>566.91</i>	
26 25 13 00-0057 EA 800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	9,081.81	1,251.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,002.99</i>	
<b>26 25 13 00-0058 Bus Duct Plug-In Fusible Switch (26 25 13 00-0001)</b>		
<b>26 25 13 00-0059 240 Volt, 3-Pole, 3-Fuse (26 25 13 00-0058)</b>		
26 25 13 00-0060 EA 30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	911.01	104.31
26 25 13 00-0061 EA 60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,000.98	104.31
26 25 13 00-0062 EA 100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,382.65	125.17
26 25 13 00-0063 EA 200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,333.87	250.34
26 25 13 00-0064 EA 400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	5,892.52	563.28
26 25 13 00-0065 EA 600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	8,817.00	980.53
<b>26 25 13 00-0066 600 Volt, 3-Pole, 3-Fuse (26 25 13 00-0058)</b>		
26 25 13 00-0067 EA 30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	946.68	114.74
26 25 13 00-0068 EA 60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,034.37	114.74
26 25 13 00-0069 EA 100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,393.72	114.74
26 25 13 00-0070 EA 200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,390.66	239.92
26 25 13 00-0071 EA 400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	5,864.66	542.41
26 25 13 00-0072 EA 600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	9,014.56	1,043.11
26 25 13 00-0073 EA 800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	14,774.64	1,356.04
<b>26 25 13 00-0074 120/208 Volt, 4-pole, 3 Fuse (26 25 13 00-0058)</b>		
26 25 13 00-0075 EA 30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,054.18	135.61
26 25 13 00-0076 EA 60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,132.52	135.61
26 25 13 00-0077 EA 100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,531.18	135.61
26 25 13 00-0078 EA 200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,595.57	281.64
26 25 13 00-0079 EA 400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	6,467.59	625.87
26 25 13 00-0080 EA 600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	9,414.64	959.66
<b>26 25 13 00-0081 277/480 Volt, 4-pole, 3-Fuse (26 25 13 00-0058)</b>		
26 25 13 00-0082 EA 30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,088.86	135.61
26 25 13 00-0083 EA 60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,167.20	115.06
26 25 13 00-0084 EA 100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,633.25	156.46
26 25 13 00-0085 EA 200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,704.76	281.64
26 25 13 00-0086 EA 400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	6,467.59	625.87
26 25 13 00-0087 EA 600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	9,414.64	959.66
26 25 13 00-0088 EA 800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	14,896.95	1,272.60
<b>26 25 16 Low-Voltage Cablebus Systems (26 25)</b>		
<b>26 25 16 00-0001 Feeder Bus Duct (26 25 16)</b>		
Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
<b>26 25 16 00-0002 600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance (26 25 16 00-0001)</b>		
Note: Copper conductors.		
26 25 16 00-0003 LF 800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	729.25	43.81
<i>For Up To 25, Add</i>	<i>182.31</i>	
<i>For &gt;25 To 50, Add</i>	<i>109.39</i>	
<i>For &gt;50 To 100, Add</i>	<i>54.69</i>	
26 25 16 00-0004 LF 1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	739.31	43.81
<i>For Up To 25, Add</i>	<i>184.83</i>	
<i>For &gt;25 To 50, Add</i>	<i>110.90</i>	
<i>For &gt;50 To 100, Add</i>	<i>55.45</i>	
26 25 16 00-0005 LF 1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	967.11	43.81
<i>For Up To 25, Add</i>	<i>241.78</i>	
<i>For &gt;25 To 50, Add</i>	<i>145.07</i>	
<i>For &gt;50 To 100, Add</i>	<i>72.53</i>	
26 25 16 00-0006 LF 1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	1,161.19	43.81
<i>For Up To 25, Add</i>	<i>290.30</i>	
<i>For &gt;25 To 50, Add</i>	<i>174.18</i>	
<i>For &gt;50 To 100, Add</i>	<i>87.09</i>	
26 25 16 00-0007 LF 2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	1,419.12	43.81
<i>For Up To 25, Add</i>	<i>354.78</i>	
<i>For &gt;25 To 50, Add</i>	<i>212.87</i>	
<i>For &gt;50 To 100, Add</i>	<i>106.43</i>	
26 25 16 00-0008 LF 3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	1,936.63	104.31
<i>For Up To 25, Add</i>	<i>484.16</i>	
<i>For &gt;25 To 50, Add</i>	<i>290.49</i>	
<i>For &gt;50 To 100, Add</i>	<i>145.25</i>	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 25 Enclosed Bus Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0009 LF 4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	2,676.29	104.31
For Up To 25, Add	669.07	
For >25 To 50, Add	401.44	
For >50 To 100, Add	200.72	
26 25 16 00-0010 LF 5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	3,166.39	104.31
For Up To 25, Add	791.60	
For >25 To 50, Add	474.96	
For >50 To 100, Add	237.48	
26 25 16 00-0011 LF 6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	3,899.81	104.31
For Up To 25, Add	974.95	
For >25 To 50, Add	584.97	
For >50 To 100, Add	292.49	
<b>26 25 16 00-0012 277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated</b> <small>(26 25 16 00-0001)</small>		
Note: Low impedance, copper conductors.		
26 25 16 00-0013 LF 800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	835.82	46.94
For Up To 25, Add	208.96	
For >25 To 50, Add	125.37	
For >50 To 100, Add	62.69	
26 25 16 00-0014 LF 1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	849.08	46.94
For Up To 25, Add	212.27	
For >25 To 50, Add	127.36	
For >50 To 100, Add	63.68	
26 25 16 00-0015 LF 1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	1,092.23	46.94
For Up To 25, Add	273.06	
For >25 To 50, Add	163.83	
For >50 To 100, Add	81.92	
26 25 16 00-0016 LF 1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	1,294.77	46.94
For Up To 25, Add	323.69	
For >25 To 50, Add	194.22	
For >50 To 100, Add	97.11	
26 25 16 00-0017 LF 2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	1,563.94	46.94
For Up To 25, Add	390.99	
For >25 To 50, Add	234.59	
For >50 To 100, Add	117.30	
26 25 16 00-0018 LF 3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	2,402.79	80.32
For Up To 25, Add	600.70	
For >25 To 50, Add	360.42	
For >50 To 100, Add	180.21	
26 25 16 00-0019 LF 4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	3,013.54	80.32
For Up To 25, Add	753.39	
For >25 To 50, Add	452.03	
For >50 To 100, Add	226.02	
26 25 16 00-0020 LF 5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	3,565.77	149.16
For Up To 25, Add	891.44	
For >25 To 50, Add	534.87	
For >50 To 100, Add	267.43	
26 25 16 00-0021 LF 6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	4,397.13	149.16
For Up To 25, Add	1,099.28	
For >25 To 50, Add	659.57	
For >50 To 100, Add	329.78	

**26 27 Low-Voltage Distribution Equipment** (26 20)**26 27 13 Electricity Metering** (26 27)**26 27 13 00-0001 Revenue Metering** (26 27 13)**26 27 13 00-0002 Meter Socket Base** (26 27 13 00-0001)

Note: NEMA 3R.

26 27 13 00-0003 EA 100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass .....	237.99	67.80
26 27 13 00-0004 EA 100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass .....	252.34	67.80
26 27 13 00-0005 EA 200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass .....	324.71	83.44
26 27 13 00-0006 EA 200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass .....	328.79	83.44
26 27 13 00-0007 EA 200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	635.80	93.88
26 27 13 00-0008 EA 320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	845.57	104.31
26 27 13 00-0009 EA 400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	2,089.67	114.74
26 27 13 00-0010 EA Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base .....	2,398.49	521.56

**26 27 13 00-0011 Meter Device** (26 27 13 00-0001)

Note: Direct read, with 15 minute demand.

26 27 13 00-0012 EA 100 To 200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter.....	235.89	20.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.83	
26 27 13 00-0013 EA 200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter.....	664.58	20.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.06	

**26 27 13 00-0014 Current Transformer Enclosure** (26 27 13 00-0001)

26 27 13 00-0015 EA 18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure .....	492.02	135.61
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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0016		120/240 Volt Meter Center And Main Breaker, Indoor Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0017		800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole <small>(26 27 13 00-0016)</small>		
	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	919.57	65.20
	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	1,210.27	78.23
	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	1,499.41	91.27
	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	1,737.50	104.31
	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	2,261.85	117.35
	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	2,442.67	130.38
	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	2,850.74	156.46
26 27 13 00-0025		1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole <small>(26 27 13 00-0016)</small>		
	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max .....	1,693.30	65.20
	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max .....	2,230.04	78.23
	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max .....	3,071.40	104.31
	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max .....	3,406.95	117.35
	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max .....	4,284.12	130.38
26 27 13 00-0031		800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0016)</small>		
	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,408.11	91.27
	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,848.92	104.31
	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,261.85	117.35
	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,659.31	130.38
	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,350.79	143.43
	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,516.14	156.46
	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,357.48	182.55
26 27 13 00-0039		1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0016)</small>		
	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,178.74	91.27
	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,854.75	104.31
	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,021.06	130.38
	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,310.20	143.43
	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,512.30	156.46
26 27 13 00-0045		120/208 Volt Meter Center And Main Breaker, Indoor Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0046		800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole <small>(26 27 13 00-0045)</small>		
	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	1,001.36	78.23
	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	1,309.08	91.27
	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	1,615.25	104.31
	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	1,874.99	117.35
	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	2,303.40	130.38
	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	2,484.22	143.43
	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	3,062.51	169.51
26 27 13 00-0054		1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0045)</small>		
	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,781.28	78.23
	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,348.97	91.27
	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,391.48	117.35
	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,727.05	130.38
	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	4,511.40	143.43
26 27 13 00-0060		800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0045)</small>		
	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,489.92	104.31
	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,936.90	117.35
	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,396.27	130.38
	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,793.74	143.43
	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,516.18	156.46
	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,681.49	169.51
	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,584.76	195.58
26 27 13 00-0068		1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0045)</small>		
	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,282.21	104.31
	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,004.64	117.35
	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,310.23	143.43
	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,506.50	156.46

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0073 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,724.11	169.51
<b>26 27 13 00-0074 120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing (26 27 13 00-0001)</b>		
<b>26 27 13 00-0075 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0074)</b>		
26 27 13 00-0076 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	919.57	65.20
26 27 13 00-0077 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,210.27	78.23
26 27 13 00-0078 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,737.50	104.31
26 27 13 00-0079 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,261.85	117.35
26 27 13 00-0080 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,798.58	130.38
<b>26 27 13 00-0081 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0074)</b>		
26 27 13 00-0082 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,693.29	65.20
26 27 13 00-0083 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,230.03	78.23
26 27 13 00-0084 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,226.14	104.31
26 27 13 00-0085 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,561.70	117.35
26 27 13 00-0086 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	4,284.12	130.38
<b>26 27 13 00-0087 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0074)</b>		
26 27 13 00-0088 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,408.11	91.27
26 27 13 00-0089 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,848.92	104.31
26 27 13 00-0090 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,659.31	130.38
26 27 13 00-0091 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,350.79	143.43
26 27 13 00-0092 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,516.14	156.46
<b>26 27 13 00-0093 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0074)</b>		
26 27 13 00-0094 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,178.75	91.27
26 27 13 00-0095 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,854.75	104.31
26 27 13 00-0096 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,021.06	130.38
26 27 13 00-0097 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,310.20	143.43
26 27 13 00-0098 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,512.34	156.46
<b>26 27 13 00-0099 120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing (26 27 13 00-0001)</b>		
<b>26 27 13 00-0100 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0099)</b>		
26 27 13 00-0101 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,001.36	78.23
26 27 13 00-0102 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,309.08	91.27
26 27 13 00-0103 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,874.99	117.35
26 27 13 00-0104 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,458.14	130.38
26 27 13 00-0105 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,793.71	143.43
<b>26 27 13 00-0106 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0099)</b>		
26 27 13 00-0107 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,781.27	78.23
26 27 13 00-0108 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,348.96	91.27
26 27 13 00-0109 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,236.73	117.35
26 27 13 00-0110 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,572.30	130.38
26 27 13 00-0111 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	4,511.37	143.43
<b>26 27 13 00-0112 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0099)</b>		
26 27 13 00-0113 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,489.91	104.31
26 27 13 00-0114 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,936.88	117.35
26 27 13 00-0115 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,793.71	143.43
26 27 13 00-0116 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,516.14	156.46
26 27 13 00-0117 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,681.49	169.51
<b>26 27 13 00-0118 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0099)</b>		
26 27 13 00-0119 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,282.20	104.31
26 27 13 00-0120 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,004.62	117.35
26 27 13 00-0121 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,310.20	143.43
26 27 13 00-0122 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,506.50	156.46
26 27 13 00-0123 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,724.11	169.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 27 13 00-0124</b> <b>Watt/Hour Meters</b> (26 27 13)		
26 27 13 00-0125 EA Single Phase M-90 Meter, Socket, NEMA 3R Enclosure.....	978.94	62.59
26 27 13 00-0126 EA Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure.....	2,978.34	125.17
26 27 13 00-0127 EA Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure.....	1,580.51	93.88
26 27 13 00-0128 EA Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure.....	1,933.92	93.88
26 27 13 00-0129 EA Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure.....	1,632.42	93.88
26 27 13 00-0130 EA C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure.....	1,105.82	86.58
26 27 13 00-0131 EA P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure.....	1,890.30	156.46
<b>26 27 13 00-0132</b> <b>Watt/Hour Meter Systems</b> (26 27 13)		
Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
<b>26 27 13 00-0133</b> <b>Watt/Hour Meter System Without Main Breaker</b> (26 27 13 00-0132)		
26 27 13 00-0134 EA 400 Amperes System; 200 Amperes M-90 Meter And Enclosure.....	4,839.39	625.97
26 27 13 00-0135 EA 600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure.....	5,673.43	625.97
<b>26 27 13 00-0136</b> <b>Watt/Hour Meter System With Main Breaker</b> (26 27 13 00-0132)		
26 27 13 00-0137 EA 400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure.....	8,501.24	625.97
26 27 13 00-0138 EA 600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure.....	10,319.90	625.97
26 27 13 00-0139 EA 800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure.....	11,091.19	625.97
<b>26 27 16</b> <b>Electrical Cabinets and Enclosures</b> (26 27)		
Note: Can be used as enclosure or pull/function boxes.		
<b>26 27 16 00-0001</b> <b>NEMA 1 Enclosures, Lockable</b> (26 27 16)		
<b>26 27 16 00-0002</b> <b>Hinged Cover, Galvanized Steel NEMA 1 Enclosures</b> (26 27 16 00-0001)		
<b>26 27 16 00-0003</b> <b>4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures</b> (26 27 16 00-0002)		
26 27 16 00-0004 EA 6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	67.09	20.86
26 27 16 00-0005 EA 6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	75.33	22.95
26 27 16 00-0006 EA 8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	83.65	25.03
26 27 16 00-0007 EA 8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	97.66	29.21
26 27 16 00-0008 EA 10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	106.47	31.29
26 27 16 00-0009 EA 10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	115.94	33.38
26 27 16 00-0010 EA 12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	115.60	33.38
26 27 16 00-0011 EA 12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	125.34	35.46
26 27 16 00-0012 EA 12" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	135.57	37.56
26 27 16 00-0013 EA 16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	175.54	50.07
26 27 16 00-0014 EA 16" x 16" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	212.99	60.51
26 27 16 00-0015 EA 18" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	202.17	58.41
<b>26 27 16 00-0016</b> <b>6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures</b> (26 27 16 00-0002)		
26 27 16 00-0017 EA 6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	84.32	25.03
26 27 16 00-0018 EA 8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	102.59	29.21
26 27 16 00-0019 EA 10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	122.36	35.46
26 27 16 00-0020 EA 10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	132.33	37.56
26 27 16 00-0021 EA 12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	142.52	39.64
26 27 16 00-0022 EA 12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	153.20	41.73
26 27 16 00-0023 EA 16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	194.30	54.24
26 27 16 00-0024 EA 16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	235.38	66.76
26 27 16 00-0025 EA 18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	226.94	64.68
26 27 16 00-0026 EA 18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	295.69	83.44
26 27 16 00-0027 EA 24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	381.64	95.97
26 27 16 00-0028 EA 24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	437.12	104.31
26 27 16 00-0029 EA 30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	487.68	110.57
26 27 16 00-0030 EA 36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	533.04	114.74
26 27 16 00-0031 EA 24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L).....	370.54	83.44
<b>26 27 16 00-0032</b> <b>Screw Cover, Galvanized Steel NEMA 1 Enclosures</b> (26 27 16 00-0001)		
<b>26 27 16 00-0033</b> <b>3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures</b> (26 27 16 00-0032)		
26 27 16 00-0034 EA 4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	44.99	14.61
26 27 16 00-0035 EA 6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	64.29	20.86
26 27 16 00-0036 EA 8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	71.66	22.95
<b>26 27 16 00-0037</b> <b>4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures</b> (26 27 16 00-0032)		
26 27 16 00-0038 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	50.36	16.69
26 27 16 00-0039 EA 6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	62.45	20.86
26 27 16 00-0040 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	69.71	22.95
26 27 16 00-0041 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	77.08	25.03
26 27 16 00-0042 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	89.93	29.21
26 27 16 00-0043 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	97.63	31.29
26 27 16 00-0044 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	105.70	33.38

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0045 EA 12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	105.42	33.38
26 27 16 00-0046 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	113.84	35.46
26 27 16 00-0047 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	122.48	37.56
26 27 16 00-0048 EA 16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	160.37	50.07
26 27 16 00-0049 EA 16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	198.81	62.59
26 27 16 00-0050 EA 18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	184.54	58.41
26 27 16 00-0051 EA 18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	238.94	75.10
26 27 16 00-0052 EA 24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	342.60	93.88
<b>26 27 16 00-0053 6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)</b>		
26 27 16 00-0054 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	77.49	25.03
26 27 16 00-0055 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	85.39	27.12
26 27 16 00-0056 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	98.43	31.29
26 27 16 00-0057 EA 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	111.75	35.46
26 27 16 00-0058 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	120.27	37.56
26 27 16 00-0059 EA 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	128.88	39.64
26 27 16 00-0060 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	137.84	41.73
26 27 16 00-0061 EA 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	176.62	54.24
26 27 16 00-0062 EA 16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	217.03	66.76
26 27 16 00-0063 EA 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	206.47	64.68
26 27 16 00-0064 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	268.35	83.44
26 27 16 00-0065 EA 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	333.80	95.97
26 27 16 00-0066 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	381.64	104.31
26 27 16 00-0067 EA 30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	411.71	110.57
26 27 16 00-0068 EA 36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	449.33	114.74
<b>26 27 16 00-0069 8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)</b>		
26 27 16 00-0070 EA 8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	111.75	35.46
26 27 16 00-0071 EA 12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	152.03	45.90
26 27 16 00-0072 EA 16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	193.29	58.41
26 27 16 00-0073 EA 16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	239.99	73.02
26 27 16 00-0074 EA 18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	229.55	70.93
26 27 16 00-0075 EA 18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	284.32	87.63
26 27 16 00-0076 EA 24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	317.47	100.14
26 27 16 00-0077 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	366.65	106.39
26 27 16 00-0078 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	420.79	114.74
26 27 16 00-0079 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	447.56	121.00
26 27 16 00-0080 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	469.88	125.17
26 27 16 00-0081 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	481.77	125.17
<b>26 27 16 00-0082 10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)</b>		
26 27 16 00-0083 EA 18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	260.32	79.27
26 27 16 00-0084 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	342.27	102.22
26 27 16 00-0085 EA 24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	347.26	108.48
26 27 16 00-0086 EA 24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	446.61	116.83
26 27 16 00-0087 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	513.14	129.34
26 27 16 00-0088 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	567.85	133.52
26 27 16 00-0089 EA 36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	605.31	139.78
<b>26 27 16 00-0090 12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)</b>		
26 27 16 00-0091 EA 18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	377.83	112.66
26 27 16 00-0092 EA 24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	377.39	118.92
26 27 16 00-0093 EA 24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	491.18	129.34
26 27 16 00-0094 EA 24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	560.24	141.86
26 27 16 00-0095 EA 30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	626.85	148.12
26 27 16 00-0096 EA 36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	660.86	154.38
<b>26 27 16 00-0097 NEMA 1 Enclosures For Up To 6 Boards, Lockable (26 27 16)</b>		
<b>26 27 16 00-0098 4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures (26 27 16 00-0097)</b>		
26 27 16 00-0099 EA 24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12).....	1,111.65	91.80
<b>26 27 16 00-0100 NEMA 12 Enclosures, Lockable (26 27 16)</b>		
Note: Dust-tight enclosures.		
<b>26 27 16 00-0101 Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)</b>		
<b>26 27 16 00-0102 4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)</b>		
26 27 16 00-0103 EA 4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	98.20	16.69
26 27 16 00-0104 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	127.62	22.95
26 27 16 00-0105 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	157.71	29.21
26 27 16 00-0106 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	170.81	31.29
26 27 16 00-0107 EA 12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	192.12	33.38
26 27 16 00-0108 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	207.07	35.46



			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 27 16 00-0109 6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures</b> <small>(26 27 16 00-0101)</small>					
		EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure .....	141.78	25.03
		EA	8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure .....	156.30	27.12
<b>26 27 16 00-0112 Screw Cover, Galvanized Steel NEMA 12 Enclosures</b> <small>(26 27 16 00-0100)</small>					
<b>26 27 16 00-0113 4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures</b> <small>(26 27 16 00-0112)</small>					
		EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	184.56	16.69
		EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	221.50	22.95
		EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	250.46	25.03
		EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	286.56	29.21
		EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	294.79	31.29
		EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	348.00	33.38
		EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	373.65	35.46
		EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	425.06	37.56
<b>26 27 16 00-0122 6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures</b> <small>(26 27 16 00-0112)</small>					
		EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	269.57	25.03
		EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	304.69	27.12
		EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	332.19	31.29
		EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	392.92	37.56
		EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	426.74	41.73
		EA	16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	592.46	54.24
		EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	918.07	83.44
		EA	24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,202.01	95.97
		EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,355.05	104.31
<b>26 27 16 00-0132 8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures</b> <small>(26 27 16 00-0112)</small>					
		EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,253.61	106.39
		EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,444.40	114.74
		EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,587.51	121.00
		EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,749.96	125.17
		EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,725.93	125.17
<b>26 27 16 00-0138 Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures</b> <small>(26 27 16 00-0100)</small>					
<b>26 27 16 00-0139 8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures</b> <small>(26 27 16 00-0138)</small>					
		EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	5,505.28	169.51
<b>26 27 16 00-0141 10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures</b> <small>(26 27 16 00-0138)</small>					
		EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	5,559.16	187.76
		EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	6,376.43	200.80
		EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	7,336.17	250.34
		EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	8,192.21	295.20
<b>26 27 16 00-0146 12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures</b> <small>(26 27 16 00-0138)</small>					
		EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	5,932.77	295.20
		EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	6,613.10	312.93
		EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	7,510.50	333.80
		EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	8,286.77	333.80
<b>26 27 16 00-0151 NEMA 3 Enclosures, Lockable</b> <small>(26 27 16)</small> Note: Can be used underground or encased in concrete.					
<b>26 27 16 00-0152 2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> <small>(26 27 16 00-0151)</small>					
		EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	278.08	73.02
<b>26 27 16 00-0154 3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> <small>(26 27 16 00-0151)</small>					
		EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	298.97	73.02
		EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	383.28	75.62
		EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	397.50	75.62
		EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	500.58	78.23
<b>26 27 16 00-0159 4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> <small>(26 27 16 00-0151)</small>					
		EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	379.44	75.62

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 27</b>	<b>Low-Voltage Distribution Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0161 EA 5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	416.62	75.62
26 27 16 00-0162 EA 6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	434.32	78.23
26 27 16 00-0163 EA 6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	548.52	78.23
26 27 16 00-0164 EA 8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	603.17	83.44
26 27 16 00-0165 EA 8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	649.35	88.67
26 27 16 00-0166 EA 10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	676.51	88.67
26 27 16 00-0167 EA 10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	805.53	91.27
26 27 16 00-0168 EA 12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	874.27	93.88
26 27 16 00-0169 EA 12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,198.79	104.31
<b>26 27 16 00-0170 6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)</b>		
26 27 16 00-0171 EA 6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	579.47	80.84
26 27 16 00-0172 EA 8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	731.05	91.27
26 27 16 00-0173 EA 8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	857.57	93.88
26 27 16 00-0174 EA 10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	989.22	96.49
26 27 16 00-0175 EA 10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,053.29	96.49
26 27 16 00-0176 EA 12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,198.45	104.31
26 27 16 00-0177 EA 12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,386.52	117.35
26 27 16 00-0178 EA 16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,306.38	112.14
26 27 16 00-0179 EA 18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,540.65	208.63
26 27 16 00-0180 EA 18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	4,409.92	260.78
<b>26 27 16 00-0181 8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)</b>		
26 27 16 00-0182 EA 8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,063.08	99.09
26 27 16 00-0183 EA 12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,600.20	130.38
26 27 16 00-0184 EA 12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,626.36	130.38
26 27 16 00-0185 EA 16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,201.78	195.58
26 27 16 00-0186 EA 18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,904.07	208.63
26 27 16 00-0187 EA 24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	7,383.14	365.09
<b>26 27 16 00-0188 10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)</b>		
26 27 16 00-0189 EA 18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,873.71	260.78
<b>26 27 16 00-0190 12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)</b>		
26 27 16 00-0191 EA 18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	5,965.14	312.93
26 27 16 00-0192 EA 24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	4,903.21	286.86
<b>26 27 16 00-0193 NEMA 3R Enclosures, Lockable (26 27 16)</b>		
Note: Rain-tight enclosures.		
<b>26 27 16 00-0194 Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)</b>		
<b>26 27 16 00-0195 4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
26 27 16 00-0196 EA 6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	88.60	20.86
26 27 16 00-0197 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	97.83	22.95
26 27 16 00-0198 EA 8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	145.83	25.03
<b>26 27 16 00-0199 6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
26 27 16 00-0200 EA 8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	183.58	31.29
26 27 16 00-0201 EA 10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	205.09	35.46
26 27 16 00-0202 EA 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	240.86	39.64
26 27 16 00-0203 EA 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	260.52	41.73
26 27 16 00-0204 EA 16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	339.20	54.24
26 27 16 00-0205 EA 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	405.40	66.76
26 27 16 00-0206 EA 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	462.24	83.44
<b>26 27 16 00-0207 8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
26 27 16 00-0208 EA 24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	704.36	106.39
26 27 16 00-0209 EA 24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	781.56	114.74
26 27 16 00-0210 EA 30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	880.74	121.00
26 27 16 00-0211 EA 30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	926.58	125.17
<b>26 27 16 00-0212 10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
26 27 16 00-0213 EA 12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	873.68	129.34
26 27 16 00-0214 EA 12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	986.95	146.04
26 27 16 00-0215 EA 12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,092.63	161.69
26 27 16 00-0216 EA 12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,203.81	178.37
26 27 16 00-0217 EA 12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,310.53	194.02
26 27 16 00-0218 EA 18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	566.72	102.22
26 27 16 00-0219 EA 24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	873.68	129.34
26 27 16 00-0220 EA 30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,036.75	133.52



		MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		26 27 16 00-0221 EA	36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,315.05	146.04
<b>26 27 16 00-0222</b>			<b>12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0194)		
		26 27 16 00-0223 EA	12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	850.03	103.27
		26 27 16 00-0224 EA	12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	953.09	115.79
		26 27 16 00-0225 EA	12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,055.13	128.30
		26 27 16 00-0226 EA	12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,167.04	141.86
		26 27 16 00-0227 EA	12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,270.10	154.38
		26 27 16 00-0228 EA	18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	635.06	77.19
		26 27 16 00-0229 EA	18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	850.03	103.27
		26 27 16 00-0230 EA	18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	953.09	115.79
		26 27 16 00-0231 EA	18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,122.14	135.61
		26 27 16 00-0232 EA	18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,270.10	154.38
		26 27 16 00-0233 EA	30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,206.52	152.29
		26 27 16 00-0234 EA	36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,270.10	154.38
		26 27 16 00-0235 EA	36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,338.37	158.56
		26 27 16 00-0236 EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,491.95	166.90
		26 27 16 00-0237 EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,618.81	175.24
<b>26 27 16 00-0238</b>			<b>Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0193)		
<b>26 27 16 00-0239</b>			<b>4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0238)		
		26 27 16 00-0240 EA	4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	62.41	16.69
		26 27 16 00-0241 EA	6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	75.42	20.86
		26 27 16 00-0242 EA	6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	83.28	22.95
		26 27 16 00-0243 EA	8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	92.35	25.03
		26 27 16 00-0244 EA	8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	107.24	29.21
		26 27 16 00-0245 EA	10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	116.88	31.29
		26 27 16 00-0246 EA	10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	127.37	33.38
		26 27 16 00-0247 EA	12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	126.80	33.38
		26 27 16 00-0248 EA	12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	138.62	35.46
		26 27 16 00-0249 EA	12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	149.11	37.56
		26 27 16 00-0250 EA	18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	225.26	58.41
		26 27 16 00-0251 EA	18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	300.50	75.10
<b>26 27 16 00-0252</b>			<b>6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0238)		
		26 27 16 00-0253 EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	86.70	25.03
		26 27 16 00-0254 EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	118.41	31.29
		26 27 16 00-0255 EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	134.14	35.46
		26 27 16 00-0256 EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	145.41	37.56
		26 27 16 00-0257 EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	144.57	37.56
		26 27 16 00-0258 EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	156.52	39.64
		26 27 16 00-0259 EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	168.58	41.73
		26 27 16 00-0260 EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	220.03	54.24
		26 27 16 00-0261 EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	253.24	64.68
		26 27 16 00-0262 EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	338.00	83.44
		26 27 16 00-0263 EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	352.76	89.71
		26 27 16 00-0264 EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	403.41	95.97
		26 27 16 00-0265 EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	454.52	104.31
<b>26 27 16 00-0266</b>			<b>8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0238)		
		26 27 16 00-0267 EA	12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	188.73	45.90
		26 27 16 00-0268 EA	18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	273.18	70.93
		26 27 16 00-0269 EA	18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	373.98	91.80
		26 27 16 00-0270 EA	24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	446.36	106.39
		26 27 16 00-0271 EA	24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	505.22	114.74
		26 27 16 00-0272 EA	30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	561.50	121.00
<b>26 27 16 00-0273</b>			<b>10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0238)		
		26 27 16 00-0274 EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	412.55	102.22
		26 27 16 00-0275 EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	555.44	129.34
		26 27 16 00-0276 EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	609.67	133.52
<b>26 27 16 00-0277</b>			<b>12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0238)		
		26 27 16 00-0278 EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	613.65	141.86
		26 27 16 00-0279 EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	856.17	154.38
		26 27 16 00-0280 EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	884.89	158.56
		26 27 16 00-0281 EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	1,035.55	166.90
<b>26 27 16 00-0282</b>			<b>NEMA 4 Enclosures, Lockable</b> (26 27 16)		
			Note: Water-tight enclosures.		
<b>26 27 16 00-0283</b>			<b>Hinge Cover, Painted Steel NEMA 4 Enclosures</b> (26 27 16 00-0282)		
		26 27 16 00-0284 EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure.....	108.97	14.61

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0285 EA 6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	126.80	17.74
26 27 16 00-0286 EA 8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	158.32	22.95
26 27 16 00-0287 EA 6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	150.09	22.95
26 27 16 00-0288 EA 10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	200.29	31.29
26 27 16 00-0289 EA 12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	250.24	37.56
26 27 16 00-0290 EA 10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	230.78	35.46
26 27 16 00-0291 EA 12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	268.86	41.73
26 27 16 00-0292 EA 14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	316.92	47.98
26 27 16 00-0293 EA 16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	382.99	60.51
<b>26 27 16 00-0294 Clamp Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0282)</b>		
26 27 16 00-0295 EA 4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure .....	99.40	14.61
26 27 16 00-0296 EA 6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure .....	140.54	22.95
<b>26 27 16 00-0297 Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures (26 27 16 00-0282)</b>		
26 27 16 00-0298 EA 6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	123.98	20.03
26 27 16 00-0299 EA 8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	131.50	21.70
26 27 16 00-0300 EA 10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	160.56	28.37
26 27 16 00-0301 EA 12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	188.45	31.29
26 27 16 00-0302 EA 14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure .....	244.39	39.64
26 27 16 00-0303 EA 16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure .....	285.50	46.94
26 27 16 00-0304 EA 18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure .....	397.39	75.10
<b>26 27 16 00-0305 NEMA 4X Enclosures, Lockable (26 27 16)</b>		
Note: Water-tight enclosures.		
<b>26 27 16 00-0306 Clamp Cover, Aluminum NEMA 4X Enclosures (26 27 16 00-0305)</b>		
26 27 16 00-0307 EA 6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure .....	223.16	16.69
26 27 16 00-0308 EA 6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure .....	261.43	22.95
26 27 16 00-0309 EA 10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure .....	330.25	31.29
26 27 16 00-0310 EA 12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure .....	401.15	37.56
26 27 16 00-0311 EA 14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure .....	493.72	47.98
26 27 16 00-0312 EA 16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure .....	581.08	60.51
<b>26 27 16 00-0313 Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures (26 27 16 00-0305)</b>		
26 27 16 00-0314 EA 4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	274.32	14.61
For 316 Stainless Steel, Add	38.05	
26 27 16 00-0315 EA 6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	356.45	20.86
For 316 Stainless Steel, Add	48.69	
26 27 16 00-0316 EA 6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	404.04	22.95
For 316 Stainless Steel, Add	55.47	
26 27 16 00-0317 EA 8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	462.65	25.03
For 316 Stainless Steel, Add	64.01	
26 27 16 00-0318 EA 10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	568.11	31.29
For 316 Stainless Steel, Add	78.38	
26 27 16 00-0319 EA 12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	799.86	39.64
For 316 Stainless Steel, Add	112.12	
26 27 16 00-0320 EA 14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	997.41	47.98
For 316 Stainless Steel, Add	140.39	
26 27 16 00-0321 EA 16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	1,201.95	60.51
For 316 Stainless Steel, Add	168.11	
<b>26 27 16 00-0322 Screw Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305)</b>		
Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0323 EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	133.90	22.95
26 27 16 00-0324 EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	151.20	25.03
26 27 16 00-0325 EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	172.72	29.21
26 27 16 00-0326 EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	188.00	31.29
26 27 16 00-0327 EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	217.56	35.46
26 27 16 00-0328 EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	203.46	35.46
26 27 16 00-0329 EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	237.99	39.64
26 27 16 00-0330 EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	299.20	47.98
26 27 16 00-0331 EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	379.78	65.72
26 27 16 00-0332 EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	483.50	94.61
26 27 16 00-0333 EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	144.98	22.95
26 27 16 00-0334 EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	164.30	25.03
26 27 16 00-0335 EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	186.81	29.21
26 27 16 00-0336 EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	205.11	31.29
26 27 16 00-0337 EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	235.68	35.46
26 27 16 00-0338 EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	220.59	35.46
26 27 16 00-0339 EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	261.22	39.64
26 27 16 00-0340 EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	311.28	47.98
26 27 16 00-0341 EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	404.96	65.72
26 27 16 00-0342 EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	510.68	94.61





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 27 16 00-0343 Hinged Cover, Polycarbonate NEMA 4X Enclosures</b> <small>(26 27 16 00-0305)</small>		
<small>Note: NEMA 3R, 4, 4X and 12 rated.</small>		
26 27 16 00-0344 EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	165.12	22.95
26 27 16 00-0345 EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	176.38	25.03
26 27 16 00-0346 EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	199.90	29.21
26 27 16 00-0347 EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	216.19	31.29
26 27 16 00-0348 EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	256.84	35.46
26 27 16 00-0349 EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	234.69	35.46
26 27 16 00-0350 EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	290.41	39.64
26 27 16 00-0351 EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	344.52	47.98
26 27 16 00-0352 EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	419.06	65.72
26 27 16 00-0353 EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	534.85	94.61
26 27 16 00-0354 EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	173.18	22.95
26 27 16 00-0355 EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	191.48	25.03
26 27 16 00-0356 EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	213.99	29.21
26 27 16 00-0357 EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	231.29	31.29
26 27 16 00-0358 EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	276.98	35.46
26 27 16 00-0359 EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	251.80	35.46
26 27 16 00-0360 EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	311.57	39.64
26 27 16 00-0361 EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	354.59	47.98
26 27 16 00-0362 EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	452.28	65.72
26 27 16 00-0363 EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	570.10	94.61
<b>26 27 16 00-0364 NEMA 7/9 Enclosures, Lockable</b> <small>(26 27 16)</small>		
<small>Note: Nominal inside dimensions.</small>		
<b>26 27 16 00-0365 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures</b> <small>(26 27 16 00-0364)</small>		
26 27 16 00-0366 EA 6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,253.30	117.35
<i>For Mounting Pan, Add</i>	53.92	
26 27 16 00-0367 EA 6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	995.55	125.17
<i>For Mounting Pan, Add</i>	100.47	
26 27 16 00-0368 EA 8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,958.53	140.82
<i>For Mounting Pan, Add</i>	138.54	
<b>26 27 16 00-0369 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures</b> <small>(26 27 16 00-0364)</small>		
26 27 16 00-0370 EA 8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,739.72	140.82
<i>For Mounting Pan, Add</i>	70.45	
26 27 16 00-0371 EA 8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,271.42	144.73
<i>For Mounting Pan, Add</i>	138.54	
26 27 16 00-0372 EA 8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,323.27	156.46
<i>For Mounting Pan, Add</i>	105.98	
26 27 16 00-0373 EA 10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,384.77	156.46
<i>For Mounting Pan, Add</i>	123.99	
26 27 16 00-0374 EA 10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	3,374.82	195.58
<i>For Mounting Pan, Add</i>	162.67	
26 27 16 00-0375 EA 12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	3,182.39	176.02
<i>For Mounting Pan, Add</i>	101.57	
26 27 16 00-0376 EA 12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	3,290.61	195.58
<i>For Mounting Pan, Add</i>	151.98	
26 27 16 00-0377 EA 12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	5,077.08	352.05
<i>For Mounting Pan, Add</i>	204.47	
26 27 16 00-0378 EA 14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,036.55	234.70
<i>For Mounting Pan, Add</i>	199.08	
26 27 16 00-0379 EA 16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	5,287.49	391.16
<i>For Mounting Pan, Add</i>	182.77	
26 27 16 00-0380 EA 18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	6,346.47	391.16
<i>For Mounting Pan, Add</i>	297.12	
<b>26 27 16 00-0381 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures</b> <small>(26 27 16 00-0364)</small>		
26 27 16 00-0382 EA 8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,712.30	176.02
<i>For Mounting Pan, Add</i>	105.98	
26 27 16 00-0383 EA 10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,731.41	176.02
<i>For Mounting Pan, Add</i>	123.99	
26 27 16 00-0384 EA 10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	3,095.45	176.02
<i>For Mounting Pan, Add</i>	162.67	
26 27 16 00-0385 EA 12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	3,430.11	195.58
<i>For Mounting Pan, Add</i>	101.57	
26 27 16 00-0386 EA 12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,978.47	352.05
<i>For Mounting Pan, Add</i>	151.98	
26 27 16 00-0387 EA 12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	6,057.93	430.29
<i>For Mounting Pan, Add</i>	204.47	
26 27 16 00-0388 EA 12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	9,533.63	508.52
<i>For Mounting Pan, Add</i>	307.50	
26 27 16 00-0389 EA 14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	5,449.95	430.29
<i>For Mounting Pan, Add</i>	199.08	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0390 EA 16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	5,599.76	430.29
For Mounting Pan, Add	182.77	
26 27 16 00-0391 EA 16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	8,362.98	469.40
For Mounting Pan, Add	273.96	
26 27 16 00-0392 EA 18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	6,902.48	430.29
For Mounting Pan, Add	297.12	
26 27 16 00-0393 EA 18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	9,232.46	469.40
For Mounting Pan, Add	434.48	
26 27 16 00-0394 EA 18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	9,168.86	469.40
For Mounting Pan, Add	579.22	
26 27 16 00-0395 EA 18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	14,247.04	625.87
For Mounting Pan, Add	723.92	
26 27 16 00-0396 EA 24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	10,839.46	508.52
For Mounting Pan, Add	673.12	
26 27 16 00-0397 EA 24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	19,654.81	782.33
For Mounting Pan, Add	921.49	
<b>26 27 16 00-0398 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)</b>		
26 27 16 00-0399 EA 12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	9,919.01	508.52
For Mounting Pan, Add	307.50	
26 27 16 00-0400 EA 16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	9,130.56	469.40
For Mounting Pan, Add	273.96	
26 27 16 00-0401 EA 18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	9,947.69	508.52
For Mounting Pan, Add	434.48	
26 27 16 00-0402 EA 18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	12,577.09	547.64
For Mounting Pan, Add	723.92	
26 27 16 00-0403 EA 24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	11,121.54	547.64
For Mounting Pan, Add	673.12	
26 27 16 00-0404 EA 24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	21,420.25	782.33
For Mounting Pan, Add	921.49	
<b>26 27 16 00-0405 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)</b>		
26 27 16 00-0406 EA 12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	6,195.38	430.29
For Mounting Pan, Add	204.47	
<b>26 27 16 00-0407 Breaker Enclosures (26 27 16)</b>		
See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
<b>26 27 16 00-0408 15 To 100 Amperes, F-Frame Breaker Enclosures (26 27 16 00-0407)</b>		
26 27 16 00-0409 EA NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure .....	344.90	83.44
26 27 16 00-0410 EA NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure .....	637.80	83.44
26 27 16 00-0411 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure .....	1,577.20	114.74
26 27 16 00-0412 EA NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure .....	2,139.59	125.17
26 27 16 00-0413 EA NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure .....	1,558.50	125.17
26 27 16 00-0414 EA NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure .....	545.00	114.74
<b>26 27 16 00-0415 15 To 250 Amperes, H Or J-Frame Breaker Enclosures (26 27 16 00-0407)</b>		
26 27 16 00-0416 EA NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure .....	551.58	114.74
26 27 16 00-0417 EA NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure .....	1,020.61	114.74
26 27 16 00-0418 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure .....	3,498.89	146.04
26 27 16 00-0419 EA NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure .....	840.19	146.04
<b>26 27 16 00-0420 125 To 400 Amperes, L-Frame Breaker Enclosures (26 27 16 00-0407)</b>		
26 27 16 00-0421 EA NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure .....	861.11	229.49
26 27 16 00-0422 EA NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure .....	2,017.72	229.49
26 27 16 00-0423 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure .....	5,927.01	292.07
26 27 16 00-0424 EA NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure .....	1,434.50	292.07
<b>26 27 16 00-0425 300 To 800 Amperes, M-Frame Breaker Enclosures (26 27 16 00-0407)</b>		
26 27 16 00-0426 EA NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure .....	1,687.16	438.11
26 27 16 00-0427 EA NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure .....	2,909.62	438.11
26 27 16 00-0428 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure .....	10,662.19	563.28
26 27 16 00-0429 EA NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure .....	5,758.24	563.28
<b>26 27 16 00-0430 250 To 1,200 Amperes, P-Frame Breaker Enclosures (26 27 16 00-0407)</b>		
26 27 16 00-0431 EA NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure .....	2,062.94	438.11
26 27 16 00-0432 EA NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure .....	3,503.89	438.11
26 27 16 00-0433 EA NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure .....	7,246.29	563.28
<b>26 27 16 00-0434 Legend Plates (26 27 16)</b>		
26 27 16 00-0435 EA 3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters .....	18.37	5.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0436 EA 3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters .....	20.69	5.21
<b>26 27 19 Multi-Outlet Assemblies (26 27)</b>		
<b>26 27 19 00-0001 Surface Metal Raceway, Preassembled With Outlets (26 27 19)</b>		
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 27 19 00-0002 LF Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center .....	26.28	7.62
For Concrete Or Masonry Surface, Add	0.76	
26 27 19 00-0003 LF Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center .....	20.46	5.42
For Concrete Or Masonry Surface, Add	0.55	
26 27 19 00-0004 LF Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center .....	19.14	5.73
For Concrete Or Masonry Surface, Add	0.57	
26 27 19 00-0005 LF Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center .....	21.28	5.42
For Concrete Or Masonry Surface, Add	0.55	
26 27 19 00-0006 LF Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center .....	17.03	5.52
For Concrete Or Masonry Surface, Add	0.55	
26 27 19 00-0007 LF Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center .....	23.98	5.42
For Concrete Or Masonry Surface, Add	0.55	
26 27 19 00-0008 LF Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center .....	21.03	5.42
For Concrete Or Masonry Surface, Add	0.55	
26 27 19 00-0009 LF Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center .....	22.81	5.42
For Concrete Or Masonry Surface, Add	0.55	
<b>26 27 23 Indoor Service Poles (26 27)</b>		
<b>26 27 23 00-0001 Communication And Power Poles (26 27 23)</b>		
Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
<b>26 27 23 00-0002 Steel Communication And Power Poles (26 27 23 00-0001)</b>		
<b>26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)</b>		
<b>26 27 23 00-0004 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)</b>		
26 27 23 00-0005 EA 2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	275.62	46.22
26 27 23 00-0006 EA 2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	299.42	46.22
26 27 23 00-0007 EA 2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	326.95	46.22
<b>26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)</b>		
Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009 EA Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle .....	56.43	9.53
26 27 23 00-0010 EA Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles .....	48.92	9.53
26 27 23 00-0011 EA Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle .....	55.39	9.53
26 27 23 00-0012 EA Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices .....	41.04	9.53
26 27 23 00-0013 EA Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting .....	33.80	9.53
<b>26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)</b>		
<b>26 27 23 00-0015 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)</b>		
26 27 23 00-0016 EA 2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	357.24	46.22
26 27 23 00-0017 EA 2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	408.39	46.22
26 27 23 00-0018 EA 2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	435.99	46.22
<b>26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)</b>		
Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020 EA Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle .....	37.84	9.53
26 27 23 00-0021 EA Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle .....	34.02	9.53
26 27 23 00-0022 EA Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices .....	36.75	9.53
<b>26 27 23 00-0023 3" Width, Steel Communication And Power Poles (26 27 23 00-0002)</b>		
<b>26 27 23 00-0024 3" Width, Steel Communication And Power Poles (26 27 23 00-0023)</b>		
26 27 23 00-0025 EA 3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	465.63	46.22
26 27 23 00-0026 EA 3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	527.20	46.22
26 27 23 00-0027 EA 3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	567.78	46.22
<b>26 27 23 00-0028 Additional Cover Plates For 3" Width, Steel Communication And Power Poles (26 27 23 00-0023)</b>		
Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029 EA Add-On 3" Width Steel Cover Plate For One Single Receptacle .....	37.84	9.53
26 27 23 00-0030 EA Add-On 3" Width Steel Cover Plate For One Duplex Receptacle .....	34.02	9.53

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 27</b>	<b>Low-Voltage Distribution Equipment</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0031	EA		Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices.....	36.75	9.53
<b>26 27 23 00-0032</b>			<b>Aluminum Communication And Power Poles (26 27 23 00-0001)</b>		
<b>26 27 23 00-0033</b>			<b>2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)</b>		
<b>26 27 23 00-0034</b>			<b>2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)</b>		
26 27 23 00-0035	EA		2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	373.25	46.22
26 27 23 00-0036	EA		2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	416.30	46.22
26 27 23 00-0037	EA		2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	464.56	46.22
<b>26 27 23 00-0038</b>			<b>Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)</b>		
26 27 23 00-0039	EA		Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	57.90	9.53
26 27 23 00-0040	EA		Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles.....	59.12	9.53
26 27 23 00-0041	EA		Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	63.16	9.53
26 27 23 00-0042	EA		Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices.....	43.31	9.53
26 27 23 00-0043	EA		Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting.....	33.80	9.53
<b>26 27 23 00-0044</b>			<b>2-1/4" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)</b>		
26 27 23 00-0045	EA		2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	359.81	46.22
26 27 23 00-0046	EA		2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	403.96	46.22
26 27 23 00-0047	EA		2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	455.97	46.22
<b>26 27 23 00-0048</b>			<b>5" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)</b>		
26 27 23 00-0049	EA		5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	753.05	46.22
26 27 23 00-0050	EA		5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	861.33	46.22
26 27 23 00-0051	EA		5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	982.60	46.22
<b>26 27 23 00-0052</b>			<b>2" Diameter, Round Aluminum Communication And Power Pole (26 27 23 00-0032)</b>		
26 27 23 00-0053	EA		2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	409.15	46.22
26 27 23 00-0054	EA		2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole.....	387.34	46.22
26 27 23 00-0055	EA		2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole.....	496.24	46.22
<b>26 27 26</b>			<b>Wiring Devices (26 27)</b>		
			Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
<b>26 27 26 00-0001</b>			<b>Receptacles (26 27 26)</b>		
<b>26 27 26 00-0002</b>			<b>General Use Receptacles (26 27 26 00-0001)</b>		
<b>26 27 26 00-0003</b>			<b>Receptacle Assemblies (26 27 26 00-0002)</b>		
			Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004	EA		15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly.....	92.53	37.04
26 27 26 00-0005	EA		20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly.....	99.21	39.64
26 27 26 00-0006	EA		15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly.....	119.20	47.46
26 27 26 00-0007	EA		20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly.....	132.57	52.68
26 27 26 00-0008	EA		15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly.....	112.45	37.04
26 27 26 00-0009	EA		20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly.....	120.18	39.64
<b>26 27 26 00-0010</b>			<b>Receptacle Components (26 27 26 00-0002)</b>		
26 27 26 00-0011	EA		15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle.....	26.30	10.43
26 27 26 00-0012	EA		15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle.....	25.13	10.43
26 27 26 00-0013	EA		15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle.....	31.98	10.43
26 27 26 00-0014	EA		15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle.....	35.95	10.43
26 27 26 00-0015	EA		15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle.....	46.21	13.04
26 27 26 00-0016	EA		15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle.....	59.22	13.04
26 27 26 00-0017	EA		20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle.....	27.82	10.43
26 27 26 00-0018	EA		20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle.....	26.60	10.43
26 27 26 00-0019	EA		20 Amperes, 120/277 Volt, Single Receptacle.....	44.46	10.43
26 27 26 00-0020	EA		20 Amperes, 120/277 Volt, Duplex Receptacle.....	34.70	10.43
26 27 26 00-0021	EA		20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle.....	46.21	13.04
26 27 26 00-0022	EA		20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle.....	59.22	13.04
26 27 26 00-0023	EA		20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle.....	100.96	13.04
26 27 26 00-0024	EA		20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle.....	100.96	13.04
26 27 26 00-0025	EA		25 Amperes, 120/277 Volt, Duplex Receptacle.....	79.38	15.65
<b>26 27 26 00-0026</b>			<b>Specialty Receptacles (26 27 26 00-0001)</b>		
<b>26 27 26 00-0027</b>			<b>Specialty Receptacles (26 27 26 00-0026)</b>		
26 27 26 00-0028	EA		30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle.....	66.04	18.26
26 27 26 00-0029	EA		30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle.....	66.04	18.26
26 27 26 00-0030	EA		30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles.....	75.23	18.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0031 EA 30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle .....	111.38	18.26
26 27 26 00-0032 EA 30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle .....	116.61	20.86
26 27 26 00-0033 EA 50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle .....	105.79	20.86
26 27 26 00-0034 EA 50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle .....	102.74	20.86
26 27 26 00-0035 EA 50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle .....	87.02	20.86
26 27 26 00-0036 EA 50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle .....	91.32	20.86
26 27 26 00-0037 EA 50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle .....	133.25	20.86
26 27 26 00-0038 EA 50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle .....	138.46	23.47
26 27 26 00-0039 EA 60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle .....	151.99	26.08
26 27 26 00-0040 EA 60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle .....	162.43	31.29
26 27 26 00-0041 EA 100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete .....	1,601.37	245.13
26 27 26 00-0042 EA 400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete .....	4,280.38	299.89
26 27 26 00-0043 EA 30 Amperes, 230 Volt, Dryer Receptacle .....	79.92	20.86
26 27 26 00-0044 EA 60 Amperes, 230 Volt, Range Receptacle .....	116.09	31.29
26 27 26 00-0045 EA 15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle .....	82.93	13.04
26 27 26 00-0046 EA Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete .....	1,607.62	317.61
26 27 26 00-0047 EA Projector Receptacle Switchcraft #D4F .....	82.37	23.47
26 27 26 00-0048 EA Electronic Receptacle Cannon XLR/SLR .....	113.73	23.47
<b>26 27 26 00-0049 Isolated Ground Receptacles (26 27 26 00-0026)</b>		
26 27 26 00-0050 EA 15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex .....	85.64	10.43
Note: 2 Pole, 3 wire.		
26 27 26 00-0051 EA 20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex .....	68.12	13.04
26 27 26 00-0052 EA 20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex .....	67.82	13.04
26 27 26 00-0053 EA 30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex .....	90.98	20.86
26 27 26 00-0054 EA Locking 15 Amperes, 250 Volt Isolated Ground Receptacles .....	78.14	13.04
26 27 26 00-0055 EA Locking 15 Amperes, 277 Volt Isolated Ground Receptacles .....	70.34	13.04
26 27 26 00-0056 EA Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles .....	99.93	15.65
26 27 26 00-0057 EA Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles .....	75.66	15.65
26 27 26 00-0058 EA Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles .....	102.81	15.65
26 27 26 00-0059 EA Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles .....	129.27	15.65
26 27 26 00-0060 EA Locking 30 Amperes, 277 Volt Isolated Ground Receptacles .....	121.05	20.86
<b>26 27 26 00-0061 Explosion Proof Receptacles (26 27 26 00-0026)</b>		
26 27 26 00-0062 EA 1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly .....	881.78	26.08
26 27 26 00-0063 EA 3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly .....	811.10	28.68
26 27 26 00-0064 EA 3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	1,347.23	52.15
26 27 26 00-0065 EA 3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	1,700.97	52.15
26 27 26 00-0066 EA 1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	2,148.82	78.23
26 27 26 00-0067 EA 1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	2,046.41	78.23
<b>26 27 26 00-0068 Ground Fault Circuit Interrupter (GFCI) (26 27 26 00-0026)</b>		
26 27 26 00-0069 EA 15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle .....	42.45	13.04
26 27 26 00-0070 EA 20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle .....	58.01	15.65
26 27 26 00-0071 EA 15 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle .....	45.89	17.77
26 27 26 00-0072 EA 20 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle .....	78.44	20.86
<b>26 27 26 00-0073 Arc Fault Circuit Interrupter (AFCI) (26 27 26 00-0026)</b>		
26 27 26 00-0074 EA 15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle .....	85.90	13.04
26 27 26 00-0075 EA 20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle .....	95.55	13.04
<b>26 27 26 00-0076 Locking Receptacle (26 27 26 00-0026)</b>		
26 27 26 00-0077 EA NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle .....	50.40	13.04
26 27 26 00-0078 EA NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle .....	63.02	13.04
26 27 26 00-0079 EA NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle .....	55.47	15.65
26 27 26 00-0080 EA NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle .....	54.91	15.65
26 27 26 00-0081 EA NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle .....	66.01	15.65
26 27 26 00-0082 EA NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle .....	80.37	15.65
26 27 26 00-0083 EA NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle .....	78.78	15.65
26 27 26 00-0084 EA NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle .....	68.29	15.65
26 27 26 00-0085 EA NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle .....	76.83	20.86
26 27 26 00-0086 EA NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking Receptacle .....	78.17	20.86
26 27 26 00-0087 EA NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle .....	131.77	20.86
<b>26 27 26 00-0088 Hospital Grade Receptacle (26 27 26 00-0026)</b>		
26 27 26 00-0089 EA 15 Amperes, Heavy Duty Hospital Grade, NEMA 5-15, Duplex Receptacle .....	51.58	10.43
26 27 26 00-0090 EA 20 Amperes, Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle .....	56.37	10.43
26 27 26 00-0091 EA 20 Amperes, Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground .....	65.44	10.43
26 27 26 00-0092 EA 20 Amperes, Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle .....	57.06	10.43
26 27 26 00-0093 EA 20 Amperes, Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground .....	66.44	10.43
26 27 26 00-0094 EA 20 Amperes, Non-Magnetic MRI Hospital Grade, NEMA 5-20, Duplex Receptacle .....	73.71	10.43
26 27 26 00-0095 EA 120 Volt, Transient Voltage, Surge Suppressor Receptacle .....	187.96	31.29
Note: Hospital grade receptacle.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 27 26 00-0096</b>	<b>Weathertight Pin And Sleeve Receptacle <small>(26 27 26 00-0026)</small></b>	
26 27 26 00-0097 EA 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W) .....	259.37	52.15
26 27 26 00-0098 EA 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W) .....	258.73	52.15
26 27 26 00-0099 EA 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W) .....	270.82	52.15
26 27 26 00-0100 EA 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W) .....	332.54	57.37
26 27 26 00-0101 EA 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W) .....	333.55	57.37
26 27 26 00-0102 EA 20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W) .....	331.22	57.37
26 27 26 00-0103 EA 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W) .....	398.56	64.15
26 27 26 00-0104 EA 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W) .....	378.89	64.15
26 27 26 00-0105 EA 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W) .....	409.68	64.15
26 27 26 00-0106 EA 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W) .....	411.90	70.41
26 27 26 00-0107 EA 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W) .....	411.52	70.41
26 27 26 00-0108 EA 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W) .....	414.31	70.41
26 27 26 00-0109 EA 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W) .....	584.78	83.44
26 27 26 00-0110 EA 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W) .....	560.97	83.44
26 27 26 00-0111 EA 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W) .....	576.47	83.44
26 27 26 00-0112 EA 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W) .....	642.01	92.84
26 27 26 00-0113 EA 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W) .....	642.47	92.84
26 27 26 00-0114 EA 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W) .....	642.93	92.84
26 27 26 00-0115 EA 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W) .....	714.25	104.31
26 27 26 00-0116 EA 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W) .....	744.78	104.31
26 27 26 00-0117 EA 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W) .....	800.41	114.74
26 27 26 00-0118 EA 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W) .....	798.12	114.74
26 27 26 00-0119 EA 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W) .....	802.43	114.74
<b>26 27 26 00-0120</b>	<b>Corrosion Resistant Receptacle <small>(26 27 26 00-0026)</small></b>	
26 27 26 00-0121 EA 15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles .....	90.30	10.43
26 27 26 00-0122 EA 15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles .....	190.18	13.04
<b>26 27 26 00-0123</b>	<b>Tamper Resistant Receptacle <small>(26 27 26 00-0026)</small></b>	
26 27 26 00-0124 EA 15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle .....	26.28	10.43
Note: Pass & Seymour 3232-TR.		
26 27 26 00-0125 EA 20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle .....	29.07	10.43
Note: Pass & Seymour TR20.		
26 27 26 00-0126 EA 15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle .....	37.07	10.43
Note: Pass & Seymour TR5251.		
26 27 26 00-0127 EA 20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle .....	40.83	10.43
Note: Pass & Seymour TR5351.		
26 27 26 00-0128 EA 15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle .....	63.38	10.43
Note: Pass & Seymour S1595-TR*CC8.		
26 27 26 00-0129 EA 15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle .....	68.75	10.43
Note: Pass & Seymour 1595-TRS.		
26 27 26 00-0130 EA 20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle .....	73.88	10.43
Note: Pass & Seymour 2095-TRS.		
<b>26 27 26 00-0131</b>	<b>USB Charger/Duplex Tamper-Resistant Receptacles <small>(26 27 26 00-0026)</small></b>	
26 27 26 00-0132 EA 15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle .....	65.34	10.43
26 27 26 00-0133 EA 20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle .....	70.90	10.43
<b>26 27 26 00-0134</b>	<b>Television Receptacle <small>(26 27 26 00-0001)</small></b>	
26 27 26 00-0135 EA TV Receptacle With Cover (Type F), Complete .....	77.68	24.20
<b>26 27 26 00-0136</b>	<b>Switches <small>(26 27 26)</small></b>	
<b>26 27 26 00-0137</b>	<b>Switches <small>(26 27 26 00-0136)</small></b>	
<b>26 27 26 00-0138</b>	<b>Switch Assemblies <small>(26 27 26 00-0137)</small></b>	
Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0139 EA 1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly .....	97.90	36.51
26 27 26 00-0140 EA 1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly .....	104.87	39.64
26 27 26 00-0141 EA 2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly .....	132.53	47.72
26 27 26 00-0142 EA 2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly .....	144.39	52.94
26 27 26 00-0143 EA 3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly .....	226.89	81.88
26 27 26 00-0144 EA 3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly .....	244.69	89.71
26 27 26 00-0145 EA 4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly .....	261.76	92.58
26 27 26 00-0146 EA 4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly .....	285.51	103.00
<b>26 27 26 00-0147</b>	<b>Switch Components <small>(26 27 26 00-0137)</small></b>	
26 27 26 00-0148 EA 15 Amperes, 120/277 Volt, SPST Switch .....	31.54	10.43
26 27 26 00-0149 EA 15 Amperes, 120/277 Volt, 3-Way Switch .....	40.11	13.04
26 27 26 00-0150 EA 15 Amperes, 120/277 Volt, 4-Way Switch .....	82.44	20.86
26 27 26 00-0151 EA 15 Amperes, 120/277 Volt, DPST Switch .....	37.75	10.43
26 27 26 00-0152 EA 15 Amperes, 120/277 Volt, Thermal Switch .....	79.16	13.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0153 EA 20 Amperes, 120/277 Volt, SPST Switch .....	37.48	13.04
26 27 26 00-0154 EA 20 Amperes, 120/277 Volt, 3-Way Switch .....	46.88	15.65
26 27 26 00-0155 EA 20 Amperes, 120/277 Volt, 4-Way Switch .....	119.38	20.86
26 27 26 00-0156 EA 20 Amperes, 120/277 Volt, DPST Switch .....	47.43	13.04
26 27 26 00-0157 EA 20 Amperes, 120/277 Volt, DPDT Switch .....	51.84	13.04
26 27 26 00-0158 EA 15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch .....	79.60	13.07
26 27 26 00-0159 EA 15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch .....	100.83	13.07
26 27 26 00-0160 EA Momentary Contact Switch With Separate Neon Pilot..... Note: Neon Pilot is 125 V, 1 / 125W.	76.14	15.68
26 27 26 00-0161 EA 20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off .....	58.62	18.26
Note: Or 250 VAC 10 Amp, double throw BAT handle.		
26 27 26 00-0162 EA 20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch.....	73.95	20.86
Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0163 EA 20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch.....	119.48	20.86
Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0164 EA 30 Amperes, 120/277 Volt, Single Pole, Local Switch .....	78.85	20.90
26 27 26 00-0165 EA 30 Amperes, 120/277 Volt, Double Pole, Local Switch.....	97.94	20.90
26 27 26 00-0166 EA 30 Amperes, 120/277 Volt, Three-Way Local Switch.....	101.77	26.13
26 27 26 00-0167 EA 30 Amperes, 120/277 Volt, Four-Way Local Switch.....	143.25	28.74
26 27 26 00-0168 EA 15 Amperes, 120/277 Volt, Local Switch With Neon Pilot.....	65.54	17.09
26 27 26 00-0169 EA 15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot .....	94.63	17.09
Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.		
26 27 26 00-0170 EA 15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch .....	82.09	17.09
26 27 26 00-0171 EA 15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch .....	77.77	17.09
26 27 26 00-0172 EA 6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch.....	89.21	8.47
26 27 26 00-0173 EA 6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch.....	95.06	8.47
26 27 26 00-0174 EA 15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch .....	99.14	32.61
26 27 26 00-0175 EA Three Position, Center Off, Key Operated, Momentary Contact Switch .....	120.37	32.61
Note: 15A, 120/277 V, Single Pole		
26 27 26 00-0176 EA Single Pole, Slide Dimmer (Leviton IP710-LFZ) .....	146.14	10.45
26 27 26 00-0177 EA 8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH).....	89.28	10.45
26 27 26 00-0178 EA 120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH).....	249.36	10.43
26 27 26 00-0179 EA 120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH).....	46.64	10.43
26 27 26 00-0180 EA 1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV).....	95.60	10.45
26 27 26 00-0181 EA 1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000) .....	110.74	10.45
26 27 26 00-0182 EA 2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000) .....	143.76	10.45
26 27 26 00-0183 EA Wireless Single Rocker Remote Switch (Leviton WSS0S-S9).....	150.70	10.45
<b>26 27 26 00-0184 Specialty Switches (26 27 26 00-0136)</b>		
<b>26 27 26 00-0185 Dimmers With SPST Switch (26 27 26 00-0184)</b>		
26 27 26 00-0186 EA 600 Watt Dimmers With SPST Switch .....	70.02	23.47
26 27 26 00-0187 EA 1,000 Watt Dimmers With SPST Switch .....	142.05	23.47
26 27 26 00-0188 EA 1,500 Watt Dimmers With SPST Switch .....	261.53	37.76
26 27 26 00-0189 EA 2,000 Watt Dimmers With SPST Switch .....	353.44	37.76
26 27 26 00-0190 EA 600 Watt Fluorescent Dimmer Switch .....	188.16	27.85
26 27 26 00-0191 EA 1,000 Watt Fluorescent Dimmer Switch.....	267.24	27.85
26 27 26 00-0192 EA 1,500 Watt Fluorescent Dimmer Switch.....	494.36	42.04
26 27 26 00-0193 EA Remote Speed Switch For Paddle Fan.....	120.37	34.74
26 27 26 00-0194 EA 600 Watt Combination Remote Speed Switch/Incandescent Dimmer.....	205.48	51.84
<b>26 27 26 00-0195 Time Switches (26 27 26 00-0184)</b>		
26 27 26 00-0196 EA 40 Amperes, 125 Volt, SPST, Standard Time Switch .....	145.79	31.29
26 27 26 00-0197 EA 40 Amperes, 277 Volt, SPST, Standard Time Switch.....	149.95	31.29
26 27 26 00-0198 EA 40 Amperes, 125 Volt, DPST, Standard Time Switch.....	145.79	31.29
26 27 26 00-0199 EA 40 Amperes, 277 Volt, DPST, Standard Time Switch.....	149.95	31.29
26 27 26 00-0200 EA 40 Amperes, 125 Volt, SPST, 7-Day Time Switch .....	173.52	31.29
26 27 26 00-0201 EA 40 Amperes, 277 Volt, SPST, 7-Day Time Switch .....	173.52	31.29
26 27 26 00-0202 EA 40 Amperes, 125 Volt, DPDT, 7-Day Time Switch.....	337.15	31.29
26 27 26 00-0203 EA 40 Amperes, 277 Volt, DPDT, 7-Day Time Switch.....	337.15	31.29
26 27 26 00-0204 EA 20 Amperes, 125 Volt, SPST, Programmable Time Switch .....	284.65	31.29
26 27 26 00-0205 EA 20 Amperes, 277 Volt, SPST, Programmable Time Switch .....	316.71	31.29
26 27 26 00-0206 EA 20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch .....	316.71	31.29
26 27 26 00-0207 EA 40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch .....	392.48	31.29
26 27 26 00-0208 EA 40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch .....	405.24	31.29
26 27 26 00-0209 EA 40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch .....	145.79	31.29
26 27 26 00-0210 EA 40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch .....	149.95	31.29
26 27 26 00-0211 EA 40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch .....	145.79	31.29
26 27 26 00-0212 EA 40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch .....	149.95	31.29
26 27 26 00-0213 EA 40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch .....	173.52	31.29
26 27 26 00-0214 EA 40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch .....	173.52	31.29
26 27 26 00-0215 EA 40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch .....	337.15	31.29
26 27 26 00-0216 EA 40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch .....	337.15	31.29
26 27 26 00-0217 EA 40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch.....	392.48	31.29
26 27 26 00-0218 EA 40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch.....	405.24	31.29
26 27 26 00-0219 EA 30 Amperes, SPST, 120 Volt, 7-Day Time Switch EZ Controls #EZ-701-1 .....	357.14	31.29
26 27 26 00-0220 EA 30 Amperes, DPST, 120 Volt, 7-Day Time Switch EZ Controls #EZ-701-2.....	403.23	31.29

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0221			<b>Low Voltage Switching</b> (26 27 26 00-0184)		
26 27 26 00-0222	EA		36 Pin Male Or Female Connector.....	289.85	10.43
26 27 26 00-0223			<b>Other Switches</b> (26 27 26 00-0184)		
26 27 26 00-0224	EA		Pull Chain Switch 120/277 Volt AC Installed In Light Fixture .....	36.44	15.65
26 27 26 00-0225	EA		SPST Locking Switch For Concealed Devices .....	119.22	41.73
26 27 26 00-0226	EA		3-Way Locking Switch For Concealed Devices.....	121.43	41.73
26 27 26 00-0227	EA		Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard.....	141.38	39.01
26 27 26 00-0228	EA		15 Amperes Momentary Contact Switch.....	132.30	39.01
26 27 26 00-0229	EA		20 Amperes Momentary Contact Switch.....	141.86	39.01
26 27 26 00-0230	EA		2-1/4" Handy Box Cover Units Fuseholder Switch.....	120.75	47.03
26 27 26 00-0231	EA		2-3/4" Handy Box Cover Units Fuseholder Switch.....	123.42	47.03
26 27 26 00-0232	EA		4" Square Box Cover Units With 2 Fuseholders And 2 Switches.....	152.32	57.48
26 27 26 00-0233	EA		4" Square Box Cover Units With 1 Fuseholder And 1 Switch .....	138.54	52.25
26 27 26 00-0234	EA		4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch .....	139.21	52.25
26 27 26 00-0235			<b>Plates And Covers</b> (26 27 26)		
26 27 26 00-0236			<b>Wall Plates</b> (26 27 26 00-0235)		
26 27 26 00-0237			<b>Nylon Wall Plates</b> (26 27 26 00-0236)		
26 27 26 00-0238	EA		1 Gang Nylon Switch Wall Plates.....	1.73	0.52
26 27 26 00-0239	EA		2 Gang Nylon Switch Wall Plates.....	2.96	0.78
26 27 26 00-0240	EA		3 Gang Nylon Switch Wall Plates.....	4.23	1.04
26 27 26 00-0241	EA		4 Gang Nylon Switch Wall Plate .....	6.14	1.31
26 27 26 00-0242	EA		1 Gang Duplex Nylon Wall Plate .....	1.75	0.52
26 27 26 00-0243	EA		2 Gang Duplex Nylon Wall Plate.....	3.04	0.78
26 27 26 00-0244			<b>Plastic Wall Plates</b> (26 27 26 00-0236)		
26 27 26 00-0245	EA		1 Gang Plastic Switch Wall Plates .....	1.59	0.52
26 27 26 00-0246	EA		2 Gang Plastic Switch Wall Plates .....	2.69	0.78
26 27 26 00-0247	EA		3 Gang Plastic Switch Wall Plates .....	3.78	1.04
26 27 26 00-0248	EA		4 Gang Plastic Switch Wall Plates .....	6.14	1.31
26 27 26 00-0249	EA		1 Gang Duplex Plastic Wall Plate.....	1.59	0.52
26 27 26 00-0250	EA		2 Gang Duplex Plastic Wall Plate .....	2.69	0.78
26 27 26 00-0251			<b>Brass Wall Plates</b> (26 27 26 00-0236)		
26 27 26 00-0252	EA		1 Gang, 0.04" Brass Switch Wall Plates .....	17.79	2.35
26 27 26 00-0253	EA		2 Gang, 0.04" Brass Switch Wall Plates .....	33.85	2.72
26 27 26 00-0254	EA		3 Gang, 0.04" Brass Switch Wall Plates .....	49.80	3.03
26 27 26 00-0255	EA		4 Gang, 0.04" Brass Switch Wall Plates .....	77.90	3.29
26 27 26 00-0256	EA		5 Gang, 0.04" Brass Switch Wall Plates .....	95.04	3.51
26 27 26 00-0257	EA		6 Gang, 0.04" Brass Switch Wall Plates .....	110.12	3.66
26 27 26 00-0258	EA		1 Gang, 0.04" Brass Duplex Receptacle Wall Plate.....	17.79	2.35
26 27 26 00-0259	EA		2 Gang, 0.04" Brass Duplex Receptacle Wall Plate.....	39.81	2.72
26 27 26 00-0260	EA		3 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	57.66	3.03
26 27 26 00-0261			<b>Stainless Steel Wall Plates</b> (26 27 26 00-0236)		
26 27 26 00-0262	EA		1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	9.19	2.35
26 27 26 00-0263	EA		2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	15.04	2.72
26 27 26 00-0264	EA		3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	21.24	3.03
26 27 26 00-0265	EA		4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	31.52	3.29
26 27 26 00-0266	EA		5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	37.23	3.51
26 27 26 00-0267	EA		6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	45.20	3.66
26 27 26 00-0268	EA		1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate.....	10.13	2.35
26 27 26 00-0269	EA		2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate.....	17.27	2.72
26 27 26 00-0270	EA		3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate.....	28.63	3.03
26 27 26 00-0271	EA		4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate.....	34.72	3.29
26 27 26 00-0272			<b>Chrome Wall Plates</b> (26 27 26 00-0236)		
26 27 26 00-0273	EA		1 Gang, 0.040" Chrome Switch Wall Plate.....	36.32	2.35
26 27 26 00-0274	EA		2 Gang 0.040" Chrome Switch Wall Plate.....	68.56	2.72
26 27 26 00-0275	EA		3 Gang 0.040" Chrome Switch Wall Plate.....	100.79	3.03
26 27 26 00-0276	EA		1 Gang 0.040" Chrome Duplex Receptacle Wall Plate.....	36.29	2.35
26 27 26 00-0277			<b>Weatherproof Covers</b> (26 27 26 00-0235)		
26 27 26 00-0278			<b>Stamped Metallic Weatherproof Covers</b> (26 27 26 00-0277)		
			Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0279	EA		Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC) .....	11.02	0.52
26 27 26 00-0280	EA		Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC).....	11.95	0.52
26 27 26 00-0281	EA		Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC).....	11.95	0.52
26 27 26 00-0282	EA		Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC) .....	11.95	0.52





<b>Electrical</b>	<b>26</b>	
Low-Voltage Electrical Distribution	26 20	26
Low-Voltage Distribution Equipment	26 27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0283 EA Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC) .....	14.65	0.78
26 27 26 00-0284 EA Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC) .....	16.64	0.78
26 27 26 00-0285 EA Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC) .....	16.84	0.78
26 27 26 00-0286 EA Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC) .....	16.84	0.78
26 27 26 00-0287 EA Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC) .....	22.92	0.78
26 27 26 00-0288 EA Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB) .....	21.68	1.04
26 27 26 00-0289 EA Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT) .....	23.72	1.04
<b>26 27 26 00-0290 Cast Metallic Weatherproof Covers (26 27 26 00-0277)</b>		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0291 EA Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC) .....	13.51	0.52
26 27 26 00-0292 EA Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA) .....	43.27	0.52
26 27 26 00-0293 EA Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR) .....	48.53	0.52
26 27 26 00-0294 EA Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG) .....	13.41	0.52
26 27 26 00-0295 EA Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT) .....	36.67	0.52
26 27 26 00-0296 EA Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT) .....	61.04	0.52
26 27 26 00-0297 EA Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST) .....	77.73	0.52
26 27 26 00-0298 EA Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC) .....	16.84	0.78
26 27 26 00-0299 EA Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST) .....	122.80	0.78
26 27 26 00-0300 EA Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC) .....	28.21	1.04
26 27 26 00-0301 EA Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST) .....	117.28	1.04
<b>26 27 26 00-0302 Die Cast Aluminum Weatherproof Covers (26 27 26 00-0277)</b>		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0303 EA Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027) .....	4.87	0.52
26 27 26 00-0304 EA Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026) .....	6.27	0.52
26 27 26 00-0305 EA Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032) .....	8.41	0.78
26 27 26 00-0306 EA Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041) .....	9.13	0.78
26 27 26 00-0307 EA Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042) .....	9.13	0.78
26 27 26 00-0308 EA Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043) .....	10.18	0.78
<b>26 27 26 00-0309 Heavy Duty Die Cast Aluminum Weatherproof Covers (26 27 26 00-0277)</b>		
Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0310 EA Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510) .....	50.44	0.52
<b>26 27 26 00-0311 Polycarbonate Weatherproof Covers (26 27 26 00-0277)</b>		
Note: Includes neoprene gasket.		
26 27 26 00-0312 EA Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730) .....	10.10	0.52
26 27 26 00-0313 EA Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730) .....	10.10	0.52
26 27 26 00-0314 EA Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730) .....	10.10	0.52
26 27 26 00-0315 EA Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775) .....	12.47	0.78
26 27 26 00-0316 EA Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775) .....	12.47	0.78
<b>26 27 26 00-0317 High Impact Thermoplastic Weatherproof Covers (26 27 26 00-0277)</b>		
Note: Includes neoprene gasket.		
26 27 26 00-0318 EA Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522) .....	85.18	0.52
<b>26 27 26 00-0319 Non Metallic (PVC) Weatherproof Covers (26 27 26 00-0277)</b>		
Note: Includes neoprene gasket.		
26 27 26 00-0320 EA Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	13.49	0.52
26 27 26 00-0321 EA Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover .....	14.38	0.78
26 27 26 00-0322 EA Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	13.53	0.52
26 27 26 00-0323 EA Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	30.12	0.52
26 27 26 00-0324 EA Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	34.96	0.52
26 27 26 00-0325 EA 20 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	28.29	0.52
26 27 26 00-0326 EA 30 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	21.02	0.52
26 27 26 00-0327 EA 50 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	24.64	0.52
26 27 26 00-0328 EA Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	22.01	0.52
26 27 26 00-0329 EA Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover .....	31.67	0.78
<b>26 27 26 00-0330 Removal And Reinstallation Of Wiring Devices (26 27 26)</b>		
Note: Includes storage and cleaning.		
26 27 26 00-0331 EA Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device .....	68.63	
26 27 26 00-0332 EA Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate .....	8.69	
<b>26 27 26 00-0333 Relay Systems (26 27 26)</b>		
26 27 26 00-0334 EA 10 Amperes, 24 Volt Coil, 2 Position Relay .....	82.42	23.47
26 27 26 00-0335 EA 20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay .....	361.01	78.23

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 27</b>	<b>Low-Voltage Distribution Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0336 EA 20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay .....	618.04	104.31
<b>26 27 26 00-0337 Limit Switches</b> <small>(26 27 26)</small>		
<b>26 27 26 00-0338 Heavy Duty Precision Oiltight</b> <small>(26 27 26 00-0337)</small>		
<b>26 27 26 00-0339 Lever Arm, Plunger, Wobble Stick Type</b> <small>(26 27 26 00-0338)</small>		
26 27 26 00-0340 EA Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amperes Rated .....	417.50	65.72
<b>26 27 26 00-0341 In Line Midget Fuseholders</b> <small>(26 27 26)</small>		
See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0342 EA Single Pole Water Resistant In Line Midget Fuseholder .....	80.03	
26 27 26 00-0343 EA Double Pole Water Resistant In Line Midget Fuseholder .....	192.09	
<b>26 27 33 Power Distribution Units</b> <small>(26 27)</small>		
Note: Includes wiring connections and testing.		
<b>26 27 33 00-0001 Liebert Precision Power Center</b> <small>(26 27 33)</small>		
Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.		
26 27 33 00-0002 EA PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C) .....	19,672.99	320.75
26 27 33 00-0003 EA PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C) .....	23,765.53	347.67
26 27 33 00-0004 EA PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C) .....	27,087.49	385.95
26 27 33 00-0005 EA PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C) .....	31,174.07	417.24
26 27 33 00-0006 EA PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C) .....	33,998.17	521.56
26 27 33 00-0007 EA PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C) .....	38,130.03	625.87
26 27 33 00-0008 EA PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C) .....	43,992.69	730.18
26 27 33 00-0009 EA PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C) .....	46,239.86	834.49
26 27 33 00-0010 EA PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C) .....	48,833.18	938.80
26 27 33 00-0011 EA Ex Panelboard 10-30 KVA .....	1,724.07	104.31
26 27 33 00-0012 EA Ex Panelboard 50-125 KVA .....	2,583.94	130.38
26 27 33 00-0013 EA Ex Panelboard 150-220 KVA .....	5,866.98	156.46
26 27 33 00-0014 EA Removal And Reinstallation Of Power Distribution Unit .....	1,668.98	
Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.		
26 27 33 00-0015 EA Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only .....	1,251.74	
<b>26 27 73 Door Chimes</b> <small>(26 27)</small>		
<b>26 27 73 00-0001 Door Bell Chime And Door Button With Built-In Viewer</b> <small>(26 27 73)</small>		
Note: Non-electric chime, mounted on door		
26 27 73 00-0002 EA Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV) .....	77.77	16.35
<b>26 27 73 00-0003 Wireless Door Bell System</b> <small>(26 27 73)</small>		
26 27 73 00-0004 EA Wireless Doorbell Chime And Push Button (Broan LA542WH) .....	126.58	
Note: Includes 2 push buttons		
26 27 73 00-0005 EA Wireless Doorbell Chime And Push Button (STI-3350G) .....	118.90	
Note: Includes 2 push buttons		
26 27 73 00-0006 EA Wireless Doorbell Chime And Push Button (GE 19300) .....	87.49	
Note: Includes 2 push buttons		
<b>26 27 73 00-0007 Door Bell Buzzer System, Wired</b> <small>(26 27 73)</small>		
26 27 73 00-0008 EA Door Bell, Push-Button And Transformer, Complete .....	659.40	217.28
26 27 73 00-0009 EA Visual Flashing Doorbell Indicator, Wire To Existing System, Complete .....	315.35	52.15
26 27 73 00-0010 EA Removal And Replacement Of Bell/Buzzer, Complete .....	121.48	26.08
Note: Includes removal of existing.		
<b>26 28 Low-Voltage Circuit Protective Devices</b> <small>(26 20)</small>		
<b>26 28 13 Fuses</b> <small>(26 28)</small>		
<b>26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses</b> <small>(26 28 13)</small>		
26 28 13 00-0002 EA 1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse .....	22.76	7.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.01	
26 28 13 00-0003 EA 2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse .....	22.28	7.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.01	
26 28 13 00-0004 EA 3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse .....	21.62	7.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.01	
26 28 13 00-0005 EA 5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse .....	21.53	7.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.01	
26 28 13 00-0006 EA 6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse .....	22.14	7.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.01	
26 28 13 00-0007 EA 8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse .....	20.94	7.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.01	
26 28 13 00-0008 EA 10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse .....	20.66	7.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.01	
26 28 13 00-0009 EA 15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse .....	18.32	7.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0010 EA 20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	17.96	7.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0011 EA 25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	18.64	7.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0012 EA 30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	18.17	7.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
<b>26 28 13 00-0013 Class RK1, Time Delay Fuses <small>(26 28 13)</small></b>		
<b>26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small></b>		
26 28 13 00-0015 EA 1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse .....	34.28	7.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0016 EA 2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	32.16	7.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0017 EA 3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	33.64	7.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0018 EA 4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	33.44	7.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0019 EA 5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	31.97	7.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0020 EA 10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	31.08	7.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0021 EA 15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	28.74	7.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0022 EA 20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	28.56	7.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0023 EA 25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	28.75	7.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0024 EA 30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	28.51	7.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0025 EA 35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	38.49	7.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0026 EA 40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	37.78	7.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0027 EA 45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	38.31	7.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0028 EA 50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	37.88	7.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0029 EA 60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	37.24	7.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
<b>26 28 13 00-0030 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small></b>		
26 28 13 00-0031 EA 70 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	67.90	9.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 28 13 00-0032 EA 80 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	67.54	9.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 28 13 00-0033 EA 90 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	74.71	9.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 28 13 00-0034 EA 100 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	66.98	9.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 28 13 00-0035 EA 110 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	184.89	9.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 28 13 00-0036 EA 125 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	136.07	9.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 28 13 00-0037 EA 150 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	125.57	10.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89	
26 28 13 00-0038 EA 200 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	132.07	10.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89	
26 28 13 00-0039 EA 250 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	244.41	10.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89	
26 28 13 00-0040 EA 300 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	263.48	12.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.45	
26 28 13 00-0041 EA 350 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	282.94	12.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.45	
26 28 13 00-0042 EA 400 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	219.11	12.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.45	
26 28 13 00-0043 EA 450 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	482.40	12.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.45	
26 28 13 00-0044 EA 500 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	457.77	15.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 28 13 00-0045 EA 600 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	358.27	15.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
<b>26 28 13 00-0046 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small></b>		
26 28 13 00-0047 EA 1 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	51.73	7.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0048 EA 2 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	48.35	7.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0049	EA		3 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	45.52	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0050	EA		4 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	46.46	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0051	EA		5 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	45.65	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0052	EA		10 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	45.94	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0053	EA		15 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	42.86	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0054	EA		20 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	42.55	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0055	EA		25 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	42.14	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0056	EA		30 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	42.75	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0057	EA		35 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	61.04	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0058	EA		40 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	61.19	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0059	EA		45 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	60.03	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0060	EA		50 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	60.58	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0061	EA		60 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	61.06	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
<b>26 28 13 00-0062</b>			<b>600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small></b>		
26 28 13 00-0063	EA		70 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	113.05	9.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 28 13 00-0064	EA		80 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	116.06	10.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89	
26 28 13 00-0065	EA		90 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	115.45	10.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89	
26 28 13 00-0066	EA		100 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	115.93	10.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89	
26 28 13 00-0067	EA		110 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	209.66	10.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89	
26 28 13 00-0068	EA		125 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	212.78	10.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89	
26 28 13 00-0069	EA		150 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	210.87	12.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.45	
26 28 13 00-0070	EA		200 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	210.36	12.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.45	
26 28 13 00-0071	EA		250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	397.17	12.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.45	
26 28 13 00-0072	EA		300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	400.53	15.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 28 13 00-0073	EA		350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	450.99	15.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 28 13 00-0074	EA		400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	409.11	15.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 28 13 00-0075	EA		450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	730.62	15.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 28 13 00-0076	EA		500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	652.58	18.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 28 13 00-0077	EA		600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	569.99	18.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
<b>26 28 13 00-0078</b>			<b>600 Volt AC, Class CC Midget Fuses <small>(26 28 13)</small></b>		
			Note: 250/300 Volt DC.		
26 28 13 00-0079	EA		1 Amperes, 600 Volt AC, Class CC Midget Fuse.....	39.10	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0080	EA		2 Amperes, 600 Volt AC, Class CC Midget Fuse.....	39.66	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0081	EA		3 Amperes, 600 Volt AC, Class CC Midget Fuse.....	39.50	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0082	EA		5 Amperes, 600 Volt AC, Class CC Midget Fuse.....	39.32	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0083	EA		6 Amperes, 600 Volt AC, Class CC Midget Fuse.....	41.97	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0084	EA		8 Amperes, 600 Volt AC, Class CC Midget Fuse.....	37.73	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0085	EA		10 Amperes, 600 Volt AC, Class CC Midget Fuse.....	42.71	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0086	EA		15 Amperes, 600 Volt AC, Class CC Midget Fuse.....	39.34	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0087	EA		20 Amperes, 600 Volt AC, Class CC Midget Fuse.....	38.65	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 28 13 00-0088	EA		25 Amperes, 600 Volt AC, Class CC Midget Fuse.....	37.06	7.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0089 EA 30 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.41 5.01	7.51
<b>26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse <sup>(26 13)</sup></b>		
26 28 13 00-0091 EA 1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.88 3.13	5.21
26 28 13 00-0092 EA 3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.25 3.13	5.21
26 28 13 00-0093 EA 6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.96 3.76	6.26
26 28 13 00-0094 EA 10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.14 4.70	7.82
26 28 13 00-0095 EA 15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.02 4.70	7.82
26 28 13 00-0096 EA 20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.23 4.70	7.82
26 28 13 00-0097 EA 25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.19 6.26	10.43
26 28 13 00-0098 EA 30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.37 6.26	10.43
26 28 13 00-0099 EA 35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.28 6.26	10.43
26 28 13 00-0100 EA 40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.94 6.26	10.43
26 28 13 00-0101 EA 45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.55 6.26	10.43
26 28 13 00-0102 EA 50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.73 7.82	13.04
26 28 13 00-0103 EA 60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.50 7.82	13.04
26 28 13 00-0104 EA 70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.31 9.39	15.65
26 28 13 00-0105 EA 80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.04 9.39	15.65
26 28 13 00-0106 EA 90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.32 9.39	15.65
26 28 13 00-0107 EA 100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.68 10.95	18.26
26 28 13 00-0108 EA 110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.22 10.95	18.26
26 28 13 00-0109 EA 125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	190.32 10.95	18.26
26 28 13 00-0110 EA 150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.26 12.52	20.86
26 28 13 00-0111 EA 175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.88 12.52	20.86
26 28 13 00-0112 EA 200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.27 12.52	20.86
26 28 13 00-0113 EA 225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	383.14 12.52	20.86
26 28 13 00-0114 EA 250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	354.58 12.52	20.86
26 28 13 00-0115 EA 300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	327.09 12.52	20.86
26 28 13 00-0116 EA 350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	356.34 12.52	20.86
26 28 13 00-0117 EA 400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	295.58 14.08	23.47
26 28 13 00-0118 EA 450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	621.95 14.08	23.47
26 28 13 00-0119 EA 500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	529.28 15.65	26.08
26 28 13 00-0120 EA 600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	395.19 15.65	26.08
<b>26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses <sup>(26 28 13)</sup></b>		
26 28 13 00-0122 EA 100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,182.85 7.82	13.04
26 28 13 00-0123 EA 150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,185.18 7.82	13.04
26 28 13 00-0124 EA 200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,187.35 7.82	13.04
26 28 13 00-0125 EA 250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,184.22 9.39	15.65
26 28 13 00-0126 EA 300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,090.97 9.39	15.65
26 28 13 00-0127 EA 350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,167.75 10.95	18.26
26 28 13 00-0128 EA 400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,075.18 10.95	18.26

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0129	EA		450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,201.95	18.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.95	
26 28 13 00-0130	EA		500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,178.60	18.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.95	
26 28 13 00-0131	EA		600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,049.54	20.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 28 13 00-0132	EA		601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,077.63	20.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 28 13 00-0133	EA		650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,430.78	20.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 28 13 00-0134	EA		700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,044.44	20.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 28 13 00-0135	EA		750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,601.39	23.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.08	
26 28 13 00-0136	EA		800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	925.21	23.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.08	
26 28 13 00-0137	EA		900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,348.00	23.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.08	
26 28 13 00-0138	EA		1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	909.75	23.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.08	
26 28 13 00-0139	EA		1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	936.63	23.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.08	
26 28 13 00-0140	EA		1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,073.96	23.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.08	
26 28 13 00-0141	EA		1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,044.92	23.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.08	
26 28 13 00-0142	EA		1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,845.64	23.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.08	
26 28 13 00-0143	EA		1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,156.39	26.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.65	
26 28 13 00-0144	EA		1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,442.33	26.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.65	
26 28 13 00-0145	EA		2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,566.28	26.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.65	
26 28 13 00-0146	EA		2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,114.70	26.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.65	
26 28 13 00-0147	EA		2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,597.14	26.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.65	
26 28 13 00-0148	EA		3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,357.33	28.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	
26 28 13 00-0149	EA		3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,865.94	28.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	
26 28 13 00-0150	EA		3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	5,644.81	28.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	
26 28 13 00-0151	EA		4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,267.62	28.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	
26 28 13 00-0152	EA		5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	5,151.92	28.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	
26 28 13 00-0153	EA		6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	8,522.94	28.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	

**26 28 16 Enclosed Switches and Circuit Breakers (26 28)****26 28 16 13 Enclosed Circuit Breakers (26 28 16)****26 28 16 13-0001 Branch Circuit Breakers (26 28 16 13)**

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

**26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On (26 28 16 13-0001)**

Note: Includes connection of electrical wire.

26 28 16 13-0003	EA		1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity.....	50.47	18.78
			<i>For Bolt-On, Add</i>	13.61	
			<i>For Installation In New Panelboard, Deduct</i>	-10.43	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 28 16 13-0004	EA		1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity.....	50.47	18.78
			<i>For Bolt-On, Add</i>	13.61	
			<i>For Installation In New Panelboard, Deduct</i>	-10.43	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 28 16 13-0005	EA		1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity.....	72.33	23.47
			<i>For Bolt-On, Add</i>	18.17	
			<i>For Installation In New Panelboard, Deduct</i>	-13.04	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.65	
26 28 16 13-0006	EA		1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity.....	107.02	23.47
			<i>For Bolt-On, Add</i>	22.50	
			<i>For Installation In New Panelboard, Deduct</i>	-13.04	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0007 EA 1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	146.68	23.47
For Bolt-On, Add	27.46	
For Installation In New Panelboard, Deduct	-13.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.65	
26 28 16 13-0008 EA 1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	169.30	23.47
For Bolt-On, Add	30.29	
For Installation In New Panelboard, Deduct	-13.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.65	
26 28 16 13-0009 EA 1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	85.16	23.47
For Bolt-On, Add	19.77	
For Installation In New Panelboard, Deduct	-13.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.65	
26 28 16 13-0010 EA 2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	82.77	28.16
For Bolt-On, Add	21.30	
For Installation In New Panelboard, Deduct	-15.65	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.78	
26 28 16 13-0011 EA 2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	82.77	28.16
For Bolt-On, Add	21.30	
For Installation In New Panelboard, Deduct	-15.65	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.78	
26 28 16 13-0012 EA 2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	123.80	37.56
For Bolt-On, Add	30.08	
For Installation In New Panelboard, Deduct	-20.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 28 16 13-0013 EA 2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	201.85	46.94
For Bolt-On, Add	43.49	
For Installation In New Panelboard, Deduct	-26.08	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.29	
26 28 16 13-0014 EA 2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	237.16	52.15
For Bolt-On, Add	49.72	
For Installation In New Panelboard, Deduct	-28.69	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.42	
26 28 16 13-0015 EA 2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	199.01	33.38
For Bolt-On, Add	38.02	
For Installation In New Panelboard, Deduct	-18.78	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.53	
26 28 16 13-0016 EA 2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	263.90	33.38
For Bolt-On, Add	46.13	
For Installation In New Panelboard, Deduct	-18.78	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.53	
26 28 16 13-0017 EA 3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	154.07	37.56
For Bolt-On, Add	33.86	
For Installation In New Panelboard, Deduct	-20.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 28 16 13-0018 EA 3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	154.07	37.56
For Bolt-On, Add	33.86	
For Installation In New Panelboard, Deduct	-20.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 28 16 13-0019 EA 3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	201.47	46.94
For Bolt-On, Add	43.44	
For Installation In New Panelboard, Deduct	-26.08	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.29	
26 28 16 13-0020 EA 3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	301.68	56.32
For Bolt-On, Add	59.61	
For Installation In New Panelboard, Deduct	-31.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.55	
26 28 16 13-0021 EA 3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	383.60	65.72
For Bolt-On, Add	73.51	
For Installation In New Panelboard, Deduct	-36.51	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.81	
26 28 16 13-0022 Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On <sup>(2628)</sup>		
<sup>16 13-0001)</sup>		
Note: Includes connection of electrical wire.		

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0023	EA		1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	71.03	18.78
			<i>For Bolt-On, Add</i>	16.18	
			<i>For Installation In New Panelboard, Deduct</i>	-10.43	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 28 16 13-0024	EA		1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	71.03	18.78
			<i>For Bolt-On, Add</i>	16.18	
			<i>For Installation In New Panelboard, Deduct</i>	-10.43	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 28 16 13-0025	EA		1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	124.87	23.47
			<i>For Bolt-On, Add</i>	24.74	
			<i>For Installation In New Panelboard, Deduct</i>	-13.04	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.65	
26 28 16 13-0026	EA		1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	191.57	23.47
			<i>For Bolt-On, Add</i>	33.07	
			<i>For Installation In New Panelboard, Deduct</i>	-13.04	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.65	
26 28 16 13-0027	EA		2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	136.88	28.16
			<i>For Bolt-On, Add</i>	28.06	
			<i>For Installation In New Panelboard, Deduct</i>	-15.65	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.78	
26 28 16 13-0028	EA		2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	136.88	28.16
			<i>For Bolt-On, Add</i>	28.06	
			<i>For Installation In New Panelboard, Deduct</i>	-15.65	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.78	
26 28 16 13-0029	EA		2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	265.96	37.56
			<i>For Bolt-On, Add</i>	47.85	
			<i>For Installation In New Panelboard, Deduct</i>	-20.86	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.03	
26 28 16 13-0030	EA		2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	361.51	46.94
			<i>For Bolt-On, Add</i>	63.44	
			<i>For Installation In New Panelboard, Deduct</i>	-26.08	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.29	
26 28 16 13-0031	EA		2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	527.75	52.15
			<i>For Bolt-On, Add</i>	86.05	
			<i>For Installation In New Panelboard, Deduct</i>	-28.69	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.42	
26 28 16 13-0032	EA		3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	216.84	37.56
			<i>For Bolt-On, Add</i>	41.71	
			<i>For Installation In New Panelboard, Deduct</i>	-20.86	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.03	
26 28 16 13-0033	EA		3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	216.84	37.56
			<i>For Bolt-On, Add</i>	41.71	
			<i>For Installation In New Panelboard, Deduct</i>	-20.86	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.03	
26 28 16 13-0034	EA		3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	322.47	46.94
			<i>For Bolt-On, Add</i>	58.56	
			<i>For Installation In New Panelboard, Deduct</i>	-26.08	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.29	
26 28 16 13-0035	EA		3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	456.67	56.32
			<i>For Bolt-On, Add</i>	78.99	
			<i>For Installation In New Panelboard, Deduct</i>	-31.29	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.55	
26 28 16 13-0036	EA		3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	702.83	65.72
			<i>For Bolt-On, Add</i>	113.41	
			<i>For Installation In New Panelboard, Deduct</i>	-36.51	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.81	
26 28 16 13-0037	EA		3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	809.97	70.41
			<i>For Bolt-On, Add</i>	128.63	
			<i>For Installation In New Panelboard, Deduct</i>	-39.12	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.94	
26 28 16 13-0038	EA		3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	870.07	75.10
			<i>For Bolt-On, Add</i>	137.97	
			<i>For Installation In New Panelboard, Deduct</i>	-41.73	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.07	
26 28 16 13-0039	EA		3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	1,027.76	79.79
			<i>For Bolt-On, Add</i>	159.50	
			<i>For Installation In New Panelboard, Deduct</i>	-44.33	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.20	





<b>Electrical</b>	<b>26</b>	
Low-Voltage Electrical Distribution	26 20	26
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 28 16 13-0040</b> <b>Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On</b> <small>(26 28)</small>		
<small>16 13-0001</small> Note: Includes connection of electrical wire.		
26 28 16 13-0041    EA    15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	84.54	18.78
For Bolt-On, Add	17.87	
For Installation In New Panelboard, Deduct	-10.43	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.52	
26 28 16 13-0042    EA    35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	84.54	18.78
For Bolt-On, Add	17.87	
For Installation In New Panelboard, Deduct	-10.43	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.52	
26 28 16 13-0043    EA    70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	138.21	23.47
For Bolt-On, Add	26.40	
For Installation In New Panelboard, Deduct	-13.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.65	
26 28 16 13-0044    EA    15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	172.08	28.16
For Bolt-On, Add	32.46	
For Installation In New Panelboard, Deduct	-15.65	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.78	
26 28 16 13-0045    EA    35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	172.08	28.16
For Bolt-On, Add	32.46	
For Installation In New Panelboard, Deduct	-15.65	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.78	
26 28 16 13-0046    EA    70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	299.72	37.56
For Bolt-On, Add	52.07	
For Installation In New Panelboard, Deduct	-20.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 28 16 13-0047    EA    110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	759.46	46.94
For Bolt-On, Add	113.19	
For Installation In New Panelboard, Deduct	-26.08	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.29	
26 28 16 13-0048    EA    15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	274.94	37.56
For Bolt-On, Add	48.97	
For Installation In New Panelboard, Deduct	-20.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 28 16 13-0049    EA    35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	274.94	37.56
For Bolt-On, Add	48.97	
For Installation In New Panelboard, Deduct	-20.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 28 16 13-0050    EA    70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	364.75	46.94
For Bolt-On, Add	63.85	
For Installation In New Panelboard, Deduct	-26.08	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.29	
26 28 16 13-0051    EA    110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	939.83	56.32
For Bolt-On, Add	139.38	
For Installation In New Panelboard, Deduct	-31.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.55	
<b>26 28 16 13-0052</b> <b>Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On</b> <small>(26 28)</small>		
<small>16 13-0001</small> Note: Includes connection of electrical wire.		
26 28 16 13-0053    EA    15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	96.00	18.78
For Bolt-On, Add	19.30	
For Installation In New Panelboard, Deduct	-10.43	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.52	
26 28 16 13-0054    EA    35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	96.00	18.78
For Bolt-On, Add	19.30	
For Installation In New Panelboard, Deduct	-10.43	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.52	
26 28 16 13-0055    EA    70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	113.39	23.47
For Bolt-On, Add	23.30	
For Installation In New Panelboard, Deduct	-13.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.65	
26 28 16 13-0056    EA    15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	190.03	23.47
For Bolt-On, Add	32.88	
For Installation In New Panelboard, Deduct	-13.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.65	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0057 EA 15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	202.01	28.16
For Bolt-On, Add	36.20	
For Installation In New Panelboard, Deduct	-15.65	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.78	
26 28 16 13-0058 EA 35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	202.01	28.16
For Bolt-On, Add	36.20	
For Installation In New Panelboard, Deduct	-15.65	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.78	
26 28 16 13-0059 EA 70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	245.51	37.56
For Bolt-On, Add	45.29	
For Installation In New Panelboard, Deduct	-20.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 28 16 13-0060 EA 110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	352.77	46.94
For Bolt-On, Add	62.35	
For Installation In New Panelboard, Deduct	-26.08	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.29	
26 28 16 13-0061 EA 150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	454.81	52.15
For Bolt-On, Add	76.93	
For Installation In New Panelboard, Deduct	-28.69	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.42	
26 28 16 13-0062 EA 250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	567.30	61.03
For Bolt-On, Add	94.64	
For Installation In New Panelboard, Deduct	-33.90	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.68	
26 28 16 13-0063 EA 300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	612.80	70.41
For Bolt-On, Add	103.98	
For Installation In New Panelboard, Deduct	-39.12	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.94	
26 28 16 13-0064 EA 15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	246.01	37.56
For Bolt-On, Add	45.35	
For Installation In New Panelboard, Deduct	-20.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 28 16 13-0065 EA 35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	246.01	37.56
For Bolt-On, Add	45.35	
For Installation In New Panelboard, Deduct	-20.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 28 16 13-0066 EA 70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	289.03	46.94
For Bolt-On, Add	54.38	
For Installation In New Panelboard, Deduct	-26.08	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.29	
26 28 16 13-0067 EA 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	436.86	56.32
For Bolt-On, Add	76.51	
For Installation In New Panelboard, Deduct	-31.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.55	
26 28 16 13-0068 EA 150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	573.21	73.02
For Bolt-On, Add	99.95	
For Installation In New Panelboard, Deduct	-40.42	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.51	
26 28 16 13-0069 EA 250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	707.33	84.50
For Bolt-On, Add	121.27	
For Installation In New Panelboard, Deduct	-46.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.33	
26 28 16 13-0070 EA 300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	752.12	89.71
For Bolt-On, Add	128.70	
For Installation In New Panelboard, Deduct	-49.55	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.46	
<b>26 28 16 13-0071 Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On <sup>(26 28)</sup></b>		
<sup>16 13-0001)</sup> Note: Includes connection of electrical wire.		
26 28 16 13-0072 EA 15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	209.48	28.16
For Installation In New Panelboard, Deduct	-15.65	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	37.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.78	
26 28 16 13-0073 EA 35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	209.48	28.16
For Installation In New Panelboard, Deduct	-15.65	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	37.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0074 EA 70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	317.78	37.56
For Installation In New Panelboard, Deduct	-20.86	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	54.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 28 16 13-0075 EA 110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	514.27	46.94
For Installation In New Panelboard, Deduct	-26.08	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	82.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.29	
26 28 16 13-0076 EA 150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	799.09	58.41
For Installation In New Panelboard, Deduct	-32.60	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	122.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.11	
26 28 16 13-0077 EA 250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	905.05	61.03
For Installation In New Panelboard, Deduct	-33.90	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	136.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.68	
26 28 16 13-0078 EA 300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	989.43	70.41
For Installation In New Panelboard, Deduct	-39.12	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	151.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.94	
26 28 16 13-0079 EA 15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	300.63	37.56
For Installation In New Panelboard, Deduct	-20.86	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	52.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 28 16 13-0080 EA 35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	300.63	37.56
For Installation In New Panelboard, Deduct	-20.86	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	52.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 28 16 13-0081 EA 70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	378.65	46.94
For Installation In New Panelboard, Deduct	-26.08	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	65.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.29	
26 28 16 13-0082 EA 110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	639.46	56.32
For Installation In New Panelboard, Deduct	-31.29	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	101.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.55	
26 28 16 13-0083 EA 150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	933.28	73.02
For Installation In New Panelboard, Deduct	-40.42	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	144.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.51	
26 28 16 13-0084 EA 250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	1,102.21	84.50
For Installation In New Panelboard, Deduct	-46.94	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	170.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.33	
26 28 16 13-0085 EA 300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	1,192.18	89.71
For Installation In New Panelboard, Deduct	-49.55	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	183.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.46	
<b>26 28 16 13-0086 Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On</b> <small>(26 28 16 13-0001)</small>		
Note: Includes connection of electrical wire.		
26 28 16 13-0087 EA 2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	216.91	28.16
For Bolt-On, Add	38.07	
For Installation In New Panelboard, Deduct	-15.65	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.78	
26 28 16 13-0088 EA 2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	216.91	28.16
For Bolt-On, Add	38.07	
For Installation In New Panelboard, Deduct	-15.65	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.78	
26 28 16 13-0089 EA 2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	386.36	37.56
For Bolt-On, Add	62.90	
For Installation In New Panelboard, Deduct	-20.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 28 16 13-0090 EA 2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	704.44	46.94
For Bolt-On, Add	106.31	
For Installation In New Panelboard, Deduct	-26.08	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.29	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0091 EA 2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,113.45	58.41
For Bolt-On, Add	162.00	
For Installation In New Panelboard, Deduct	-32.60	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.11	
26 28 16 13-0092 EA 2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,266.59	61.03
For Bolt-On, Add	182.06	
For Installation In New Panelboard, Deduct	-33.90	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.68	
26 28 16 13-0093 EA 2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,379.58	70.41
For Bolt-On, Add	199.83	
For Installation In New Panelboard, Deduct	-39.12	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.94	
26 28 16 13-0094 EA 3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	352.07	37.56
For Bolt-On, Add	58.61	
For Installation In New Panelboard, Deduct	-20.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 28 16 13-0095 EA 3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	352.07	37.56
For Bolt-On, Add	58.61	
For Installation In New Panelboard, Deduct	-20.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 28 16 13-0096 EA 3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	467.82	46.94
For Bolt-On, Add	76.73	
For Installation In New Panelboard, Deduct	-26.08	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.29	
26 28 16 13-0097 EA 3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	856.75	56.32
For Bolt-On, Add	129.00	
For Installation In New Panelboard, Deduct	-31.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.55	
26 28 16 13-0098 EA 3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,082.66	73.02
For Bolt-On, Add	163.63	
For Installation In New Panelboard, Deduct	-40.42	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.51	
26 28 16 13-0099 EA 3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,722.95	84.50
For Bolt-On, Add	248.23	
For Installation In New Panelboard, Deduct	-46.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.33	
26 28 16 13-0100 EA 3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,834.90	89.71
For Bolt-On, Add	264.05	
For Installation In New Panelboard, Deduct	-49.55	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.46	
<b>26 28 16 13-0101 Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On</b> <small>(26 28 16 13-0001)</small>		
Note: Includes connection of electrical wire.		
26 28 16 13-0102 EA 1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	114.72	18.78
For Installation In New Panelboard, Deduct	-10.43	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	21.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.52	
26 28 16 13-0103 EA 1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	114.72	18.78
For Installation In New Panelboard, Deduct	-10.43	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	21.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.52	
26 28 16 13-0104 EA 1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	197.24	23.47
For Installation In New Panelboard, Deduct	-13.04	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	33.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.65	
26 28 16 13-0105 EA 2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	247.33	28.16
For Installation In New Panelboard, Deduct	-15.65	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	41.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.78	
26 28 16 13-0106 EA 2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	247.33	28.16
For Installation In New Panelboard, Deduct	-15.65	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	41.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.78	
26 28 16 13-0107 EA 2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	449.31	37.56
For Installation In New Panelboard, Deduct	-20.86	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	70.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0108 EA 2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	830.18	46.94
For Installation In New Panelboard, Deduct	-26.08	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	122.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.29	
26 28 16 13-0109 EA 2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	1,610.10	58.41
For Installation In New Panelboard, Deduct	-32.60	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	224.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.11	
26 28 16 13-0110 EA 3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	406.96	37.56
For Installation In New Panelboard, Deduct	-20.86	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	65.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 28 16 13-0111 EA 3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	406.96	37.56
For Installation In New Panelboard, Deduct	-20.86	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	65.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 28 16 13-0112 EA 3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	544.08	46.94
For Installation In New Panelboard, Deduct	-26.08	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	86.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.29	
26 28 16 13-0113 EA 3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	1,022.50	56.32
For Installation In New Panelboard, Deduct	-31.29	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	149.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.55	
26 28 16 13-0114 EA 3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	2,001.88	73.02
For Installation In New Panelboard, Deduct	-40.42	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	278.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.51	
<b>26 28 16 13-0115 Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On <sup>(2628)</sup></b>		
<sup>16 13-0001</sup> Note: Includes connection of electrical wire.		
26 28 16 13-0116 EA 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	167.47	18.78
For Installation In New Panelboard, Deduct	-10.43	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	28.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.52	
26 28 16 13-0117 EA 35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity .....	167.47	18.78
For Installation In New Panelboard, Deduct	-10.43	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	28.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.52	
26 28 16 13-0118 EA 70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	253.34	23.47
For Installation In New Panelboard, Deduct	-13.04	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	40.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.65	
26 28 16 13-0119 EA 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	308.36	28.16
For Installation In New Panelboard, Deduct	-15.65	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	49.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.78	
26 28 16 13-0120 EA 35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	308.36	28.16
For Installation In New Panelboard, Deduct	-15.65	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	49.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.78	
26 28 16 13-0121 EA 70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	580.69	37.56
For Installation In New Panelboard, Deduct	-20.86	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	87.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 28 16 13-0122 EA 110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	1,053.08	46.94
For Installation In New Panelboard, Deduct	-26.08	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	149.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.29	
26 28 16 13-0123 EA 150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	2,098.02	52.15
For Installation In New Panelboard, Deduct	-28.69	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	282.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.42	
26 28 16 13-0124 EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	529.25	37.56
For Installation In New Panelboard, Deduct	-20.86	
Note: Also for use with new interiors in panelboards.		
For Bolt-On, Add	80.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0125 EA 35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	529.25	37.56
<i>For Installation In New Panelboard, Deduct</i>	-20.86	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Bolt-On, Add</i>	80.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.03	
26 28 16 13-0126 EA 70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	733.01	46.94
<i>For Installation In New Panelboard, Deduct</i>	-26.08	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Bolt-On, Add</i>	109.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.29	
26 28 16 13-0127 EA 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	1,188.25	56.32
<i>For Installation In New Panelboard, Deduct</i>	-31.29	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Bolt-On, Add</i>	170.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.55	
26 28 16 13-0128 EA 150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	2,647.93	73.02
<i>For Installation In New Panelboard, Deduct</i>	-40.42	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Bolt-On, Add</i>	359.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.51	
<b>26 28 16 13-0129 Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On <sup>(26 28</sup></b>		
<small>16 13-0001)</small>		
<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0130 EA 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....	76.43	18.78
<i>For Installation In New Panelboard, Deduct</i>	-10.43	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Bolt-On, Add</i>	16.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 28 16 13-0131 EA 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....	160.37	28.16
<i>For Installation In New Panelboard, Deduct</i>	-15.65	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Bolt-On, Add</i>	31.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.78	
26 28 16 13-0132 EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....	253.76	37.56
<i>For Installation In New Panelboard, Deduct</i>	-20.86	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Bolt-On, Add</i>	46.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.03	
26 28 16 13-0133 EA 15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....	158.43	18.78
<i>For Installation In New Panelboard, Deduct</i>	-10.43	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Bolt-On, Add</i>	27.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 28 16 13-0134 EA 35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....	158.43	18.78
<i>For Installation In New Panelboard, Deduct</i>	-10.43	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Bolt-On, Add</i>	27.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 28 16 13-0135 EA 70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....	315.49	37.56
<i>For Installation In New Panelboard, Deduct</i>	-20.86	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Bolt-On, Add</i>	54.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.03	
26 28 16 13-0136 EA 15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....	358.62	28.16
<i>For Installation In New Panelboard, Deduct</i>	-15.65	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Bolt-On, Add</i>	55.78	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.78	
26 28 16 13-0137 EA 35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....	358.62	28.16
<i>For Installation In New Panelboard, Deduct</i>	-15.65	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Bolt-On, Add</i>	55.78	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.78	
26 28 16 13-0138 EA 70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....	693.98	37.56
<i>For Installation In New Panelboard, Deduct</i>	-20.86	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Bolt-On, Add</i>	101.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.03	
26 28 16 13-0139 EA 110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....	1,178.82	46.94
<i>For Installation In New Panelboard, Deduct</i>	-26.08	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Bolt-On, Add</i>	165.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.29	
26 28 16 13-0140 EA 150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....	2,597.33	58.41
<i>For Installation In New Panelboard, Deduct</i>	-32.60	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Bolt-On, Add</i>	347.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.11	
26 28 16 13-0141 EA 15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....	601.16	37.56
<i>For Installation In New Panelboard, Deduct</i>	-20.86	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Bolt-On, Add</i>	89.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.03	



<b>Electrical</b>	<b>26</b>	
Low-Voltage Electrical Distribution	26 20	26
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0142 EA 35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	601.16	37.56
<i>For Installation In New Panelboard, Deduct</i>	-20.86	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Bolt-On, Add</i>	89.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.03	
26 28 16 13-0143 EA 70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	837.41	46.94
<i>For Installation In New Panelboard, Deduct</i>	-26.08	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Bolt-On, Add</i>	122.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.29	
26 28 16 13-0144 EA 110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	1,279.70	56.32
<i>For Installation In New Panelboard, Deduct</i>	-31.29	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Bolt-On, Add</i>	181.87	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.55	
26 28 16 13-0145 EA 150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	3,229.72	73.02
<i>For Installation In New Panelboard, Deduct</i>	-40.42	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Bolt-On, Add</i>	432.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.51	
<b>26 28 16 16 Enclosed Switches (26 28 16)</b>		
26 28 16 16-0001 Motor And Circuit Disconnects (26 28 16 16)		
<i>Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.</i>		
26 28 16 16-0002 NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0001)		
26 28 16 16-0003 Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002)		
<i>Note: Includes fuses and neutral bar.</i>		
26 28 16 16-0004 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0005 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	400.91	104.31
26 28 16 16-0006 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	635.96	125.69
26 28 16 16-0007 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	878.06	147.08
26 28 16 16-0008 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,515.71	231.57
26 28 16 16-0009 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	3,243.71	359.87
26 28 16 16-0010 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	5,427.31	531.99
26 28 16 16-0011 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	7,419.29	625.87
26 28 16 16-0012 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	9,978.15	730.18
26 28 16 16-0013 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0014 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	616.73	115.89
26 28 16 16-0015 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	744.13	139.67
26 28 16 16-0016 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,192.44	163.25
26 28 16 16-0017 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,760.55	257.65
26 28 16 16-0018 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	3,866.51	399.72
26 28 16 16-0019 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	6,032.47	590.82
26 28 16 16-0020 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	8,948.13	695.03
26 28 16 16-0021 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	12,246.24	811.33
26 28 16 16-0022 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0023 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	567.93	163.77
26 28 16 16-0024 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	840.61	217.49
26 28 16 16-0025 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,139.65	241.48
26 28 16 16-0026 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,803.40	378.13

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0027 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	3,771.05	620.65
26 28 16 16-0028 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	6,155.09	869.43
<b>26 28 16 16-0029 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0003)</small>		
26 28 16 16-0030 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	747.11	180.98
26 28 16 16-0031 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	947.84	241.48
26 28 16 16-0032 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,409.35	271.73
26 28 16 16-0033 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	2,073.05	414.11
26 28 16 16-0034 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	4,655.49	668.64
26 28 16 16-0035 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	7,508.35	965.92
26 28 16 16-0036 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	12,006.63	1,147.43
26 28 16 16-0037 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	15,372.66	1,303.89
<b>26 28 16 16-0038 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0003)</small>		
26 28 16 16-0039 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	549.46	163.77
26 28 16 16-0040 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	816.74	217.49
26 28 16 16-0041 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,096.24	241.48
26 28 16 16-0042 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,863.12	378.13
26 28 16 16-0043 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	4,107.56	620.65
26 28 16 16-0044 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	6,661.33	869.43
26 28 16 16-0045 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	11,077.46	1,095.26
26 28 16 16-0046 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	13,673.55	1,251.74
<b>26 28 16 16-0047 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0003)</small>		
26 28 16 16-0048 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	814.86	180.98
26 28 16 16-0049 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,031.10	241.48
26 28 16 16-0050 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,531.10	271.73
26 28 16 16-0051 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	2,255.31	414.11
26 28 16 16-0052 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	5,044.34	668.64
26 28 16 16-0053 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	8,195.11	965.92
26 28 16 16-0054 EA 800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	13,146.82	1,147.43
26 28 16 16-0055 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	16,604.30	1,303.89
<b>26 28 16 16-0056 Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0002)</small>		
<b>26 28 16 16-0057 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0056)</small>		
26 28 16 16-0058 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	389.23	150.94
26 28 16 16-0059 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	607.09	209.98
26 28 16 16-0060 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	841.55	241.48
26 28 16 16-0061 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,317.59	386.37
26 28 16 16-0062 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	2,672.18	643.91
26 28 16 16-0063 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	4,387.00	878.10





<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0064 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,288.50	1,043.11
26 28 16 16-0065 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,320.14	1,217.42
<b>26 28 16 16-0066 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0066)</small></b>		
26 28 16 16-0067 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	429.93	166.59
26 28 16 16-0068 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	687.76	235.64
26 28 16 16-0069 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	951.64	268.29
26 28 16 16-0070 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,476.75	419.96
26 28 16 16-0071 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,875.19	689.91
26 28 16 16-0072 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,852.34	965.82
26 28 16 16-0073 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,985.48	1,043.11
26 28 16 16-0074 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,274.63	1,217.42
<b>26 28 16 16-0075 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0075)</small></b>		
26 28 16 16-0076 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	452.25	135.61
26 28 16 16-0077 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	694.76	188.80
26 28 16 16-0078 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	942.36	217.49
26 28 16 16-0079 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,479.71	347.87
26 28 16 16-0080 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,978.39	579.45
26 28 16 16-0081 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,820.87	790.16
26 28 16 16-0082 EA 800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,353.08	938.80
26 28 16 16-0083 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,902.30	1,095.26
<b>26 28 16 16-0084 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0084)</small></b>		
26 28 16 16-0085 EA 30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	493.16	149.68
26 28 16 16-0086 EA 60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	763.46	212.28
26 28 16 16-0087 EA 100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,026.92	241.48
26 28 16 16-0088 EA 200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,596.20	378.13
26 28 16 16-0089 EA 400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,191.11	620.65
26 28 16 16-0090 EA 600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,210.37	869.43
26 28 16 16-0091 EA 800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,814.26	938.80
<b>26 28 16 16-0092 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0092)</small></b>		
26 28 16 16-0093 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	527.54	149.89
26 28 16 16-0094 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	822.09	212.06
26 28 16 16-0095 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,122.27	241.48
26 28 16 16-0096 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,743.08	377.92
26 28 16 16-0097 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,396.56	620.86
26 28 16 16-0098 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,818.41	869.22
26 28 16 16-0099 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,508.33	938.80
26 28 16 16-0100 EA 1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	12,457.46	1,095.26

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 28 16 16-0101 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)</b>		
26 28 16 16-0102 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	782.48	135.81
26 28 16 16-0103 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	942.43	189.02
26 28 16 16-0104 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,453.19	217.28
26 28 16 16-0105 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,178.36	347.67
<b>26 28 16 16-0106 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)</b>		
26 28 16 16-0107 EA 30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	847.07	149.68
26 28 16 16-0108 EA 60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,028.85	212.28
26 28 16 16-0109 EA 100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,574.25	241.48
26 28 16 16-0110 EA 200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,344.76	378.13
<b>26 28 16 16-0111 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)</b>		
26 28 16 16-0112 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	942.77	149.89
26 28 16 16-0113 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,134.41	212.06
26 28 16 16-0114 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,764.07	241.48
26 28 16 16-0115 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,621.28	377.92
<b>26 28 16 16-0116 General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002)</b>		
Note: Includes fuses and neutral bar.		
<b>26 28 16 16-0117 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0116)</b>		
26 28 16 16-0118 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	276.08	90.75
26 28 16 16-0119 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	377.97	109.21
26 28 16 16-0120 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	586.07	127.68
26 28 16 16-0121 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,088.84	201.43
26 28 16 16-0122 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,608.97	312.41
26 28 16 16-0123 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,893.17	462.41
<b>26 28 16 16-0124 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0116)</b>		
26 28 16 16-0125 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	379.52	142.60
26 28 16 16-0126 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	537.16	189.02
26 28 16 16-0127 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	750.64	209.98
26 28 16 16-0128 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,344.48	328.68
26 28 16 16-0129 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,066.46	539.92
26 28 16 16-0130 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,485.04	755.84
<b>26 28 16 16-0131 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0116)</b>		
26 28 16 16-0132 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	424.17	142.60
26 28 16 16-0133 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	609.15	189.02
26 28 16 16-0134 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	816.14	209.98



<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0135 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,509.51	328.68
26 28 16 16-0136 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	3,348.56	539.92
26 28 16 16-0137 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	5,663.85	755.84
<b>26 28 16 16-0138 General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small></b>		
<b>26 28 16 16-0139 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0138)</small></b>		
26 28 16 16-0140 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	376.97	126.21
26 28 16 16-0141 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	504.38	145.09
26 28 16 16-0142 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,150.22	231.89
26 28 16 16-0143 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,479.67	385.95
26 28 16 16-0144 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,309.00	525.94
<b>26 28 16 16-0145 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0138)</small></b>		
26 28 16 16-0146 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	356.26	118.08
26 28 16 16-0147 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	487.86	164.29
26 28 16 16-0148 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	749.06	189.02
26 28 16 16-0149 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,291.88	302.40
26 28 16 16-0150 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,716.65	504.03
26 28 16 16-0151 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,633.17	686.99
<b>26 28 16 16-0152 NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0001)</small></b>		
<b>26 28 16 16-0153 Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0152)</small></b>		
Note: With fuses, neutral bar, and hub if required.		
<b>26 28 16 16-0154 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0153)</small></b>		
26 28 16 16-0155 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	592.28	122.56
26 28 16 16-0156 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	947.68	147.08
26 28 16 16-0157 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,185.90	171.07
26 28 16 16-0158 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,734.70	260.78
26 28 16 16-0159 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,851.28	417.24
26 28 16 16-0160 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,769.79	556.50
26 28 16 16-0161 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,173.82	625.87
26 28 16 16-0162 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,492.68	730.18
<b>26 28 16 16-0163 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0153)</small></b>		
26 28 16 16-0164 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,024.78	163.35
26 28 16 16-0165 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,219.63	200.27
26 28 16 16-0166 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,737.30	230.01
26 28 16 16-0167 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,445.36	344.96
26 28 16 16-0168 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,342.78	564.43
26 28 16 16-0169 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,855.21	776.18

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0170 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,517.91	893.74
26 28 16 16-0171 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	15,990.45	1,006.08
<b>26 28 16 16-0172 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26</b>		
<small>26 16 16-0153)</small>		
26 28 16 16-0173 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	751.34	192.98
26 28 16 16-0174 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,198.44	255.57
26 28 16 16-0175 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,447.59	280.60
26 28 16 16-0176 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,144.29	434.46
26 28 16 16-0177 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,661.89	724.44
26 28 16 16-0178 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,804.32	965.92
<b>26 28 16 16-0179 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26</b>		
<small>26 16 16-0153)</small>		
26 28 16 16-0180 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,157.66	228.76
26 28 16 16-0181 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,380.38	280.39
26 28 16 16-0182 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,854.23	321.91
26 28 16 16-0183 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,691.82	482.96
26 28 16 16-0184 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,694.58	790.26
26 28 16 16-0185 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,325.36	1,086.61
26 28 16 16-0186 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,649.35	1,251.74
26 28 16 16-0187 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	17,546.22	1,408.20
<b>26 28 16 16-0188 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26</b>		
<small>26 16 16-0153)</small>		
26 28 16 16-0189 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	827.05	192.98
26 28 16 16-0190 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,200.63	255.57
26 28 16 16-0191 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,554.05	280.60
26 28 16 16-0192 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,215.29	434.46
26 28 16 16-0193 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,727.03	724.44
26 28 16 16-0194 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,520.77	965.92
26 28 16 16-0195 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,281.42	1,095.26
26 28 16 16-0196 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	17,815.15	1,251.74
<b>26 28 16 16-0197 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26</b>		
<small>26 16 16-0153)</small>		
26 28 16 16-0198 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,201.10	228.96
26 28 16 16-0199 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,429.22	280.60
26 28 16 16-0200 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,962.78	321.80
26 28 16 16-0201 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,762.38	482.96
26 28 16 16-0202 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,949.68	790.16
26 28 16 16-0203 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,618.45	1,086.40
26 28 16 16-0204 EA 800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	15,572.25	1,251.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0205 EA 1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	18,762.72	1,408.20
<b>26 28 16 16-0206 Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0152)</small>		
<b>26 28 16 16-0207 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>		
26 28 16 16-0208 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	563.36	107.34
26 28 16 16-0209 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	923.08	148.64
26 28 16 16-0210 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,216.70	170.45
26 28 16 16-0211 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,612.88	276.01
26 28 16 16-0212 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	3,609.60	460.43
26 28 16 16-0213 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	6,609.85	613.87
26 28 16 16-0214 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	10,665.47	730.49
26 28 16 16-0215 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,095.57	834.80
<b>26 28 16 16-0216 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>		
26 28 16 16-0217 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	634.60	118.28
26 28 16 16-0218 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,046.44	165.55
26 28 16 16-0219 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,374.53	186.93
26 28 16 16-0220 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,792.07	289.77
26 28 16 16-0221 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,101.36	482.96
26 28 16 16-0222 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	7,138.73	643.91
26 28 16 16-0223 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	11,376.11	765.23
26 28 16 16-0224 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	15,029.69	869.22
<b>26 28 16 16-0225 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>		
26 28 16 16-0226 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	670.68	160.95
26 28 16 16-0227 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,071.67	222.91
26 28 16 16-0228 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,387.14	255.67
26 28 16 16-0229 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,888.84	414.01
26 28 16 16-0230 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,124.54	690.54
26 28 16 16-0231 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	7,330.52	920.54
26 28 16 16-0232 EA 800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	11,515.21	1,095.26
26 28 16 16-0233 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	15,269.64	1,251.74
<b>26 28 16 16-0234 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>		
26 28 16 16-0235 EA 30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	728.44	177.33
26 28 16 16-0236 EA 60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,167.33	248.37
26 28 16 16-0237 EA 100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,499.18	280.39
26 28 16 16-0238 EA 200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,006.01	434.67
26 28 16 16-0239 EA 400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,388.01	724.34
26 28 16 16-0240 EA 600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	7,812.62	965.82

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0241 EA 800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	12,285.37	1,147.43
26 28 16 16-0242 EA 1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	16,284.10	1,303.89
<b>26 28 16 16-0243 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26 28 16 16-0206)</sup></b>		
26 28 16 16-0244 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	383.05	177.33
26 28 16 16-0245 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,212.01	248.37
26 28 16 16-0246 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,561.47	280.39
26 28 16 16-0247 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,081.82	434.67
26 28 16 16-0248 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,584.28	724.34
26 28 16 16-0249 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	7,782.63	965.82
26 28 16 16-0250 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	12,268.57	1,147.43
26 28 16 16-0251 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	16,261.24	1,303.89
<b>26 28 16 16-0252 General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26 28 16 16-0152)</sup></b> Note: With fuses, neutral bar, and hub if required.		
<b>26 28 16 16-0253 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26 28 16 16-0252)</sup></b>		
26 28 16 16-0254 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	358.47	106.60
26 28 16 16-0255 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	508.54	127.89
26 28 16 16-0256 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	671.15	148.75
26 28 16 16-0257 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,385.88	226.77
26 28 16 16-0258 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	3,413.27	362.79
26 28 16 16-0259 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	6,069.42	484.00
<b>26 28 16 16-0260 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26 28 16 16-0252)</sup></b>		
26 28 16 16-0261 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	481.80	168.04
26 28 16 16-0262 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	697.77	222.29
26 28 16 16-0263 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	860.99	243.88
26 28 16 16-0264 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,689.18	377.92
26 28 16 16-0265 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	3,949.48	629.83
26 28 16 16-0266 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	6,789.91	840.12
<b>26 28 16 16-0267 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26 28 16 16-0252)</sup></b>		
26 28 16 16-0268 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	544.38	167.94
26 28 16 16-0269 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	760.52	222.29
26 28 16 16-0270 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,063.04	243.88
26 28 16 16-0271 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,819.68	377.92
26 28 16 16-0272 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,033.30	629.94
26 28 16 16-0273 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	7,444.35	840.12
26 28 16 16-0274 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	10,668.58	951.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0275	<b>General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0152)</small>	
26 28 16 16-0276	<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0275)</small>	
26 28 16 16-0277 EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	323.81 93.36
26 28 16 16-0278 EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	532.79 129.24
26 28 16 16-0279 EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	558.54 148.23
26 28 16 16-0280 EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,412.81 239.92
26 28 16 16-0281 EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,489.12 400.35
26 28 16 16-0282 EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,171.87 533.76
26 28 16 16-0283	<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0275)</small>	
26 28 16 16-0284 EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	507.61 139.99
26 28 16 16-0285 EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	731.66 193.81
26 28 16 16-0286 EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,078.75 222.29
26 28 16 16-0287 EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,857.00 359.97
26 28 16 16-0288	<b>NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0001)</small>	
26 28 16 16-0289	<b>Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0288)</small> Note: With fuses and neutral bar (stainless steel).	
26 28 16 16-0290	<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>	
26 28 16 16-0291 EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,599.91 104.31
26 28 16 16-0292 EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,921.85 125.69
26 28 16 16-0293 EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,934.32 146.87
26 28 16 16-0294 EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,438.09 231.78
26 28 16 16-0295 EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	11,069.30 359.66
26 28 16 16-0296 EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	15,909.46 531.78
26 28 16 16-0297	<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>	
26 28 16 16-0298 EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,032.36 115.89
26 28 16 16-0299 EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,258.75 139.57
26 28 16 16-0300 EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,253.24 163.14
26 28 16 16-0301 EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	6,007.72 257.65
26 28 16 16-0302 EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	11,492.29 399.93
26 28 16 16-0303 EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	16,476.16 590.82
26 28 16 16-0304	<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>	
26 28 16 16-0305 EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,792.09 163.98
26 28 16 16-0306 EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,244.73 217.28
26 28 16 16-0307 EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,303.58 241.48
26 28 16 16-0308 EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	6,113.40 377.92
26 28 16 16-0309 EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	11,934.16 620.86

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0310 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	17,033.09	869.22
<b>26 28 16 16-0311 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0289)</b>		
26 28 16 16-0312 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,168.36	181.09
26 28 16 16-0313 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,468.63	241.48
26 28 16 16-0314 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,482.39	271.63
26 28 16 16-0315 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	6,337.34	413.90
26 28 16 16-0316 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	12,321.55	668.64
26 28 16 16-0317 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	17,531.29	965.82
<b>26 28 16 16-0318 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0289)</b>		
26 28 16 16-0319 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,146.11	163.98
26 28 16 16-0320 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,687.29	217.28
26 28 16 16-0321 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,189.15	241.48
26 28 16 16-0322 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,324.36	377.92
26 28 16 16-0323 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	14,317.50	620.86
26 28 16 16-0324 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	20,308.38	869.22
<b>26 28 16 16-0325 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0289)</b>		
26 28 16 16-0326 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,586.67	181.09
26 28 16 16-0327 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,942.99	241.48
26 28 16 16-0328 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,386.33	271.63
26 28 16 16-0329 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,558.43	413.90
26 28 16 16-0330 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	14,737.05	668.64
26 28 16 16-0331 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	20,851.22	965.82
<b>26 28 16 16-0332 Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0289)</b>		
<b>26 28 16 16-0333 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)</b>		
26 28 16 16-0334 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,534.59	104.31
26 28 16 16-0335 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,865.76	145.09
26 28 16 16-0336 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,524.46	166.90
26 28 16 16-0337 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,885.97	266.61
26 28 16 16-0338 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	8,900.01	443.95
26 28 16 16-0339 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	12,750.58	604.79
<b>26 28 16 16-0340 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)</b>		
26 28 16 16-0341 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,745.59	115.06
26 28 16 16-0342 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,125.92	162.73
26 28 16 16-0343 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,017.34	185.47





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0344 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,554.13	289.77
26 28 16 16-0345 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	10,110.53	476.91
26 28 16 16-0346 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	14,525.02	667.59
<b>26 28 16 16-0347 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small></b>		
26 28 16 16-0348 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,597.61	135.81
26 28 16 16-0349 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,928.37	189.02
26 28 16 16-0350 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,010.12	217.28
26 28 16 16-0351 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,886.05	347.67
26 28 16 16-0352 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,511.70	579.55
26 28 16 16-0353 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	13,501.54	790.26
<b>26 28 16 16-0354 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small></b>		
26 28 16 16-0355 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,815.12	149.89
26 28 16 16-0356 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,224.58	212.06
26 28 16 16-0357 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,129.37	241.48
26 28 16 16-0358 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,730.37	377.92
26 28 16 16-0359 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	11,456.88	620.86
26 28 16 16-0360 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	15,362.60	869.22
<b>26 28 16 16-0361 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small></b>		
26 28 16 16-0362 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,202.83	135.81
26 28 16 16-0363 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,638.26	189.02
26 28 16 16-0364 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,961.38	217.28
26 28 16 16-0365 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	9,092.13	347.67
<b>26 28 16 16-0366 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small></b>		
26 28 16 16-0367 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,506.81	149.89
26 28 16 16-0368 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,007.25	212.06
26 28 16 16-0369 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	6,799.21	241.48
26 28 16 16-0370 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	10,352.14	377.92
<b>26 28 16 16-0371 Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small></b>		
<b>26 28 16 16-0372 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0371)</small></b>		
26 28 16 16-0373 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,914.47	180.98
26 28 16 16-0374 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,317.99	241.48
26 28 16 16-0375 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,983.14	271.73
26 28 16 16-0376 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,780.71	414.11

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 28 16 16-0377</b> 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0371)</small>		
26 28 16 16-0378 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,731.50	149.68
26 28 16 16-0379 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,126.65	212.28
26 28 16 16-0380 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,657.87	241.48
26 28 16 16-0381 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,684.85	378.13
<b>26 28 16 16-0382</b> Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>		
<b>26 28 16 16-0383</b> 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0382)</small>		
26 28 16 16-0384 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,335.67	180.98
26 28 16 16-0385 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,789.31	241.48
26 28 16 16-0386 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	6,874.47	271.73
<b>26 28 16 16-0387</b> 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0382)</small>		
26 28 16 16-0388 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,130.04	149.68
26 28 16 16-0389 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,572.91	212.28
26 28 16 16-0390 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	6,513.41	241.48
<b>26 28 16 16-0391</b> NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 16-0001)</small> Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
<b>26 28 16 16-0392</b> Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 16-0391)</small> Note: With fuses and neutral bar.		
26 28 16 16-0393 EA 30 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	2,630.42	208.63
26 28 16 16-0394 EA 60 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	2,968.75	248.37
26 28 16 16-0395 EA 100 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	3,291.69	280.39
26 28 16 16-0396 EA 200 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	7,004.04	434.67
<b>26 28 16 16-0397</b> Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0391)</small>		
26 28 16 16-0398 EA 60 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	2,032.87	248.37
26 28 16 16-0399 EA 100 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	2,380.25	280.39
26 28 16 16-0400 EA 200 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	4,385.45	434.67
<b>26 28 16 16-0401</b> NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0001)</small>		
<b>26 28 16 16-0402</b> Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0401)</small> Note: With fuses and neutral bar.		
<b>26 28 16 16-0403</b> 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>		
26 28 16 16-0404 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	576.07	104.31
26 28 16 16-0405 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	753.54	125.69
26 28 16 16-0406 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,031.16	147.08
26 28 16 16-0407 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,741.10	231.57
26 28 16 16-0408 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	3,731.69	359.87
26 28 16 16-0409 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	6,751.63	531.99
<b>26 28 16 16-0410</b> 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>		
26 28 16 16-0411 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	910.26	115.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0412 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	936.14	139.78
26 28 16 16-0413 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,352.97	163.25
26 28 16 16-0414 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,116.50	257.65
26 28 16 16-0415 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	4,637.23	399.52
26 28 16 16-0416 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	9,197.35	590.92
<b>26 28 16 16-0417 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0418 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	798.34	163.77
26 28 16 16-0419 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,107.07	217.49
26 28 16 16-0420 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,517.89	241.48
26 28 16 16-0421 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,253.83	378.13
26 28 16 16-0422 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	4,438.63	620.65
26 28 16 16-0423 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	7,141.17	869.43
<b>26 28 16 16-0424 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0425 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,067.79	180.98
26 28 16 16-0426 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,204.79	241.48
26 28 16 16-0427 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,786.20	271.73
26 28 16 16-0428 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,597.26	414.11
26 28 16 16-0429 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	5,467.70	668.64
26 28 16 16-0430 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	10,322.73	965.92
<b>26 28 16 16-0431 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0432 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	854.51	163.77
26 28 16 16-0433 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,145.65	217.49
26 28 16 16-0434 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,639.00	241.48
26 28 16 16-0435 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,405.87	378.13
26 28 16 16-0436 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	4,845.72	620.65
26 28 16 16-0437 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	7,416.19	869.43
<b>26 28 16 16-0438 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0439 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,132.90	180.98
26 28 16 16-0440 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,378.48	241.48
26 28 16 16-0441 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,905.62	271.73
26 28 16 16-0442 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,825.21	414.11
26 28 16 16-0443 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	5,836.77	668.64
26 28 16 16-0444 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	10,626.66	965.92
<b>26 28 16 16-0445 Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0401)</small></b>		
<b>26 28 16 16-0446 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small></b>		

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0447 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	603.41	150.73
26 28 16 16-0448 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	799.30	210.19
26 28 16 16-0449 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,063.19	241.48
26 28 16 16-0450 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,512.58	386.47
26 28 16 16-0451 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,345.30	644.12
26 28 16 16-0452 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,310.32	878.30
<b>26 28 16 16-0453 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)</b>		
26 28 16 16-0454 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	672.73	166.38
26 28 16 16-0455 EA 60 Amperes, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	888.18	235.75
26 28 16 16-0456 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,185.04	268.08
26 28 16 16-0457 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,643.44	419.85
26 28 16 16-0458 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,541.27	690.02
26 28 16 16-0459 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,867.29	965.92
<b>26 28 16 16-0460 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)</b>		
26 28 16 16-0461 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	776.90	135.61
26 28 16 16-0462 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,020.54	188.80
26 28 16 16-0463 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,364.20	217.49
26 28 16 16-0464 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,941.37	347.87
26 28 16 16-0465 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,113.27	579.45
26 28 16 16-0466 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,510.35	790.16
<b>26 28 16 16-0467 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)</b>		
26 28 16 16-0468 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	757.84	149.68
26 28 16 16-0469 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,102.48	212.28
26 28 16 16-0470 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,459.88	241.48
26 28 16 16-0471 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,911.96	378.13
26 28 16 16-0472 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,123.85	620.65
26 28 16 16-0473 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	7,763.14	869.43
<b>26 28 16 16-0474 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)</b>		
26 28 16 16-0475 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	937.57	135.61
26 28 16 16-0476 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,111.92	188.80
26 28 16 16-0477 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,738.53	217.49
26 28 16 16-0478 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,756.37	347.87
26 28 16 16-0479 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,014.70	443.32
<b>26 28 16 16-0480 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)</b>		
26 28 16 16-0481 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	972.77	149.68
26 28 16 16-0482 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,211.03	212.28



<b>Electrical</b>	<b>26</b>	
Low-Voltage Electrical Distribution	26 20	26
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0483 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,856.10	241.48
26 28 16 16-0484 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,829.21	378.13
26 28 16 16-0485 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,317.50	584.14
<b>26 28 16 16-0486 Double Throw Safety Switches</b> <small>(26 28 16 16-0001)</small>		
<b>26 28 16 16-0487 NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0486)</small>		
<b>26 28 16 16-0488 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>		
26 28 16 16-0489 EA 30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	722.72	134.04
26 28 16 16-0490 EA 60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,070.51	175.24
26 28 16 16-0491 EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,503.67	228.96
26 28 16 16-0492 EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,006.08	297.80
26 28 16 16-0493 EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,883.72	372.39
26 28 16 16-0494 EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,895.06	597.18
26 28 16 16-0495 EA 800 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	10,185.32	834.49
26 28 16 16-0496 EA 1,000 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	15,046.71	938.80
26 28 16 16-0497 EA 1,200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	17,737.27	1,043.11
<b>26 28 16 16-0498 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>		
26 28 16 16-0499 EA 30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	909.66	187.76
26 28 16 16-0500 EA 60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,271.89	245.13
26 28 16 16-0501 EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,920.68	320.75
26 28 16 16-0502 EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,827.15	417.24
26 28 16 16-0503 EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,728.67	521.56
26 28 16 16-0504 EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	9,375.70	834.49
26 28 16 16-0505 EA 800 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	10,980.43	938.80
26 28 16 16-0506 EA 1,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	15,742.57	1,043.11
26 28 16 16-0507 EA 1,200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	18,675.61	1,147.43
<b>26 28 16 16-0508 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>		
26 28 16 16-0509 EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,210.54	234.70
26 28 16 16-0510 EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,765.56	306.68
26 28 16 16-0511 EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,151.33	400.56
26 28 16 16-0512 EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,320.25	520.52
26 28 16 16-0513 EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,756.87	651.94
26 28 16 16-0514 EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	11,051.50	1,044.67
26 28 16 16-0515 EA 800 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	14,009.09	1,147.43
26 28 16 16-0516 EA 1,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	18,676.94	1,199.58
26 28 16 16-0517 EA 1,200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	20,961.26	1,251.74
<b>26 28 16 16-0518 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>		
26 28 16 16-0519 EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,239.79	175.24
26 28 16 16-0520 EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,868.67	228.96
26 28 16 16-0521 EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,759.51	297.80
26 28 16 16-0522 EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,549.41	372.39
26 28 16 16-0523 EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	9,674.89	597.18
26 28 16 16-0524 EA 800 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	11,036.99	834.49
26 28 16 16-0525 EA 1,000 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	16,363.62	938.80
26 28 16 16-0526 EA 1,200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	19,302.38	1,043.11
<b>26 28 16 16-0527 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>		
26 28 16 16-0528 EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,379.40	245.13
26 28 16 16-0529 EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,051.71	320.75
26 28 16 16-0530 EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,997.39	417.24
26 28 16 16-0531 EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,847.50	521.56
26 28 16 16-0532 EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	10,151.02	834.49
26 28 16 16-0533 EA 800 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	11,890.70	938.80
26 28 16 16-0534 EA 1,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	16,392.86	1,043.11

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0535 EA 1,200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	20,313.69	1,147.43
<b>26 28 16 16-0536 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <sup>(26 28 16 16-0487)</sup>		
26 28 16 16-0537 EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,871.47	306.68
26 28 16 16-0538 EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,304.68	400.56
26 28 16 16-0539 EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,636.70	520.52
26 28 16 16-0540 EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,431.72	651.94
26 28 16 16-0541 EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,807.54	1,044.67
26 28 16 16-0542 EA 800 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	15,180.51	1,147.43
26 28 16 16-0543 EA 1,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	20,304.72	1,199.58
26 28 16 16-0544 EA 1,200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	22,807.03	1,251.74
<b>26 28 16 16-0545 NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <sup>(26 28 16 16-0486)</sup>		
<b>26 28 16 16-0546 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <sup>(26 28 16 16-0545)</sup>		
26 28 16 16-0547 EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,887.43	228.96
26 28 16 16-0548 EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,361.59	297.80
26 28 16 16-0549 EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	14,372.58	372.39
26 28 16 16-0550 EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	24,760.54	597.18
<b>26 28 16 16-0551 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <sup>(26 28 16 16-0545)</sup>		
26 28 16 16-0552 EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,470.99	320.23
26 28 16 16-0553 EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,003.95	416.72
26 28 16 16-0554 EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	14,799.07	521.56
26 28 16 16-0555 EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	16,044.15	836.06
<b>26 28 16 16-0556 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <sup>(26 28 16 16-0545)</sup>		
26 28 16 16-0557 EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,392.26	234.80
26 28 16 16-0558 EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,964.30	306.47
26 28 16 16-0559 EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,161.07	400.45
26 28 16 16-0560 EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,025.61	520.72
26 28 16 16-0561 EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,265.09	651.94
26 28 16 16-0562 EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,933.91	1,044.78
<b>26 28 16 16-0563 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <sup>(26 28 16 16-0545)</sup>		
26 28 16 16-0564 EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,603.51	175.24
26 28 16 16-0565 EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,446.09	228.96
26 28 16 16-0566 EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,470.02	297.80
26 28 16 16-0567 EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,629.95	372.39
26 28 16 16-0568 EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,518.33	597.18
<b>26 28 16 16-0569 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <sup>(26 28 16 16-0545)</sup>		
26 28 16 16-0570 EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,809.77	245.13
26 28 16 16-0571 EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,734.01	320.23
26 28 16 16-0572 EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,911.78	416.72
26 28 16 16-0573 EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,343.07	521.56
26 28 16 16-0574 EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	12,537.14	836.06
<b>26 28 16 16-0575 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <sup>(26 28 16 16-0545)</sup>		
26 28 16 16-0576 EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,988.84	306.47
26 28 16 16-0577 EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,172.32	400.45
26 28 16 16-0578 EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,181.89	520.72
26 28 16 16-0579 EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,246.64	651.94
26 28 16 16-0580 EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	12,035.62	1,044.78
<b>26 28 16 16-0581 NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <sup>(26 28 16 16-0486)</sup>		
<b>26 28 16 16-0582 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <sup>(26 28 16 16-0581)</sup>		
26 28 16 16-0583 EA 30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,922.25	134.14



		MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		26 28 16 16-0584	EA 60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,174.07	175.14
		26 28 16 16-0585	EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,455.59	228.86
		26 28 16 16-0586	EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,378.17	297.60
		26 28 16 16-0587	EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,338.51	372.50
		26 28 16 16-0588	EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	9,288.01	596.97
		<b>26 28 16 16-0589</b>	<b>240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0581)</small>		
		26 28 16 16-0590	EA 30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,204.09	187.76
		26 28 16 16-0591	EA 60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,603.74	245.13
		26 28 16 16-0592	EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,085.65	320.23
		26 28 16 16-0593	EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,306.43	416.72
		26 28 16 16-0594	EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,883.49	521.56
		26 28 16 16-0595	EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	10,396.11	836.06
		<b>26 28 16 16-0596</b>	<b>240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0581)</small>		
		26 28 16 16-0597	EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,299.68	234.80
		26 28 16 16-0598	EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,856.06	306.47
		26 28 16 16-0599	EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,289.63	400.45
		26 28 16 16-0600	EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,188.82	520.72
		26 28 16 16-0601	EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	13,383.12	651.94
		26 28 16 16-0602	EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	16,557.40	1,044.78
		<b>26 28 16 16-0603</b>	<b>600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0581)</small>		
		26 28 16 16-0604	EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,876.26	175.14
		26 28 16 16-0605	EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,018.08	228.86
		26 28 16 16-0606	EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,741.72	297.60
		26 28 16 16-0607	EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,293.96	372.50
		26 28 16 16-0608	EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	11,122.46	596.97
		<b>26 28 16 16-0609</b>	<b>600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0581)</small>		
		26 28 16 16-0610	EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,149.28	245.13
		26 28 16 16-0611	EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,336.00	320.23
		26 28 16 16-0612	EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,250.21	416.72
		26 28 16 16-0613	EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,989.08	521.56
		26 28 16 16-0614	EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	12,120.02	836.06
		<b>26 28 16 16-0615</b>	<b>600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0581)</small>		
		26 28 16 16-0616	EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,896.06	306.47
		26 28 16 16-0617	EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,584.72	400.45
		26 28 16 16-0618	EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,362.75	520.72
		26 28 16 16-0619	EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	13,727.50	651.94
		26 28 16 16-0620	EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	17,053.64	1,044.78
		<b>26 28 16 16-0621</b>	<b>Removal And Reinstallation Of Disconnect Switches</b> <small>(26 28 16 16-0001)</small>		
			Note: Includes storage and cleaning.		
		26 28 16 16-0622	EA Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch .....	521.56	
		26 28 16 16-0623	EA Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch .....	678.05	
		26 28 16 16-0624	EA Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch .....	756.31	
		26 28 16 16-0625	EA Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch .....	886.70	
		<b>26 28 16 16-0626</b>	<b>Bolted Contact Switches</b> <small>(26 28 16 16)</small>		
			Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
		<b>26 28 16 16-0627</b>	<b>Electrical Trip, Bolted Contact Switches</b> <small>(26 28 16 16-0626)</small>		
		<b>26 28 16 16-0628</b>	<b>Top Feed, Electrical Trip, Bolted Contact Switches</b> <small>(26 28 16 16-0627)</small>		
		26 28 16 16-0629	EA 800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480) .....	9,180.84	1,043.11
		26 28 16 16-0630	EA 1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480) .....	9,902.48	1,251.74
		26 28 16 16-0631	EA 1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480) .....	10,747.03	1,460.35
		26 28 16 16-0632	EA 2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480) .....	11,310.61	1,668.98
		26 28 16 16-0633	EA 2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480) .....	12,775.68	1,877.60
		26 28 16 16-0634	EA 3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480) .....	16,102.18	2,086.22
		26 28 16 16-0635	EA 4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480) .....	21,795.18	2,503.47
		<b>26 28 16 16-0636</b>	<b>Bottom Feed, Electrical Trip, Bolted Contact Switches</b> <small>(26 28 16 16-0627)</small>		

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 28 Low-Voltage Circuit Protective Devices**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0637	EA		800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480).....	9,748.64	1,043.11
26 28 16 16-0638	EA		1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480).....	10,581.50	1,251.74
26 28 16 16-0639	EA		1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480).....	11,420.20	1,460.35
26 28 16 16-0640	EA		2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480).....	12,276.47	1,668.98
26 28 16 16-0641	EA		2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480).....	13,817.63	1,877.60
26 28 16 16-0642	EA		3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480).....	18,057.30	2,086.22
26 28 16 16-0643	EA		4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480).....	23,832.25	2,503.47
<b>26 28 16 16-0644 Manually Operated, Bolted Contact Switches (26 28 16 16-0626)</b>					
<b>26 28 16 16-0645 Top Feed, Manually Operated, Bolted Contact Switches (26 28 16 16-0644)</b>					
26 28 16 16-0646	EA		800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480).....	6,628.65	1,043.11
26 28 16 16-0647	EA		1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480).....	7,380.73	1,251.74
26 28 16 16-0648	EA		1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480).....	8,180.80	1,460.35
26 28 16 16-0649	EA		2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480).....	8,973.84	1,668.98
26 28 16 16-0650	EA		2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480).....	9,825.44	1,877.60
26 28 16 16-0651	EA		3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480).....	13,151.94	2,086.22
26 28 16 16-0652	EA		4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480).....	18,774.70	2,503.47
<b>26 28 16 16-0653 Bottom Feed, Manually Operated, Bolted Contact Switches (26 28 16 16-0644)</b>					
26 28 16 16-0654	EA		800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480).....	7,004.45	1,043.11
26 28 16 16-0655	EA		1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480).....	7,948.53	1,251.74
26 28 16 16-0656	EA		1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480).....	8,731.04	1,460.35
26 28 16 16-0657	EA		2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480).....	9,700.86	1,668.98
26 28 16 16-0658	EA		2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480).....	10,738.61	1,877.60
26 28 16 16-0659	EA		3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480).....	14,960.72	2,086.22
26 28 16 16-0660	EA		4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480).....	20,671.28	2,503.47
<b>26 29 Low-Voltage Controllers (26 20)</b>					
<b>26 29 13 Enclosed Controllers (26 29)</b>					
<b>26 29 13 13 Across-The-Line Motor Controllers (26 29 13)</b>					
<b>26 29 13 13-0001 Manual Motor Starters (26 29 13 13)</b>					
<b>26 29 13 13-0002 Fractional HP Manual Motor Starters (26 29 13 13-0001)</b>					
26 29 13 13-0003	EA		NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	215.92	52.25
			<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-3.09	
			<i>For Oversized Enclosure, Add</i>	31.09	
			<i>For Pilot Light, Add</i>	45.60	
26 29 13 13-0004	EA		NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	283.05	67.93
			<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-3.09	
			<i>For Oversized Enclosure, Add</i>	31.09	
			<i>For Pilot Light, Add</i>	45.60	
26 29 13 13-0005	EA		NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	247.01	52.25
			<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-3.09	
			<i>For Oversized Enclosure, Add</i>	31.09	
			<i>For Pilot Light, Add</i>	45.60	
26 29 13 13-0006	EA		NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	314.13	67.93
			<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-3.09	
			<i>For Oversized Enclosure, Add</i>	31.09	
			<i>For Pilot Light, Add</i>	45.60	
26 29 13 13-0007	EA		NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	229.40	52.25
			<i>For Oversized Enclosure, Add</i>	31.09	
26 29 13 13-0008	EA		NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	300.66	67.93
			<i>For Oversized Enclosure, Add</i>	31.09	
26 29 13 13-0009	EA		NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	479.32	62.71
			<i>For Pilot Light, Add</i>	119.18	
26 29 13 13-0010	EA		NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	549.54	78.38
			<i>For Pilot Light, Add</i>	119.18	
26 29 13 13-0011	EA		NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	510.41	62.71
26 29 13 13-0012	EA		NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	577.52	78.38
<b>26 29 13 13-0013 Non Reversing Manual Motor Starters (26 29 13 13-0001)</b>					
26 29 13 13-0014	EA		NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1).....	170.51	52.25
			<i>Note: NEMA 1 or flush cover plate installation.</i>		
			<i>For Oversize Enclosure, Add</i>	15.00	
			<i>For Pilot Light, Add</i>	72.00	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0015 EA NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2) ..... 284.86	284.86	67.93
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	15.00	
For Pilot Light, Add	72.00	
26 29 13 13-0016 EA NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5) ..... 192.96	192.96	57.48
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	15.00	
For Pilot Light, Add	72.00	
26 29 13 13-0017 EA NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6) ..... 308.30	308.30	73.16
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	15.00	
For Pilot Light, Add	72.00	
26 29 13 13-0018 EA NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3) ..... 199.51	199.51	52.25
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	15.00	
For Pilot Light, Add	72.00	
26 29 13 13-0019 EA NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4) ..... 314.86	314.86	67.93
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	15.00	
For Pilot Light, Add	72.00	
26 29 13 13-0020 EA NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1) ..... 439.40	439.40	62.71
For Pilot Light, Add	113.99	
26 29 13 13-0021 EA NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2) ..... 542.74	542.74	78.38
For Pilot Light, Add	113.99	
26 29 13 13-0022 EA NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5) ..... 462.86	462.86	67.93
For Pilot Light, Add	113.99	
26 29 13 13-0023 EA NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6) ..... 563.20	563.20	83.60
For Pilot Light, Add	113.99	
26 29 13 13-0024 EA NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1) ..... 467.39	467.39	62.71
26 29 13 13-0025 EA NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2) ..... 578.74	578.74	78.38
26 29 13 13-0026 EA Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1) ..... 125.16	125.16	36.58
For Pilot Light, Add	72.00	
26 29 13 13-0027 EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2) ..... 239.50	239.50	52.25
For Pilot Light, Add	72.00	
26 29 13 13-0028 EA Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5) ..... 147.60	147.60	41.81
For Pilot Light, Add	72.00	
26 29 13 13-0029 EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6) ..... 261.95	261.95	57.48
For Pilot Light, Add	72.00	
<b>26 29 13 13-0030 Reversing Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0031 EA NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11) ..... 475.11	475.11	94.06
For Pilot Light, Add	115.99	
26 29 13 13-0032 EA NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22) ..... 691.80	691.80	125.41
For Pilot Light, Add	115.99	
<b>26 29 13 13-0033 Two Speed Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0034 EA NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11) ..... 475.11	475.11	94.06
26 29 13 13-0035 EA NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22) ..... 691.80	691.80	125.41
<b>26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0037 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1) ..... 443.58	443.58	62.71
26 29 13 13-0038 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1) ..... 443.58	443.58	62.71
26 29 13 13-0039 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11) ..... 937.04	937.04	73.16
26 29 13 13-0040 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1) ..... 937.04	937.04	73.16
26 29 13 13-0041 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1) ..... 1,231.35	1,231.35	73.16
26 29 13 13-0042 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1) ..... 567.07	567.07	73.16

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0043 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1) .....	381.14	47.03
26 29 13 13-0044 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1) .....	528.65	67.93
26 29 13 13-0045 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1) .....	528.65	67.93
26 29 13 13-0046 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11) .....	1,124.70	78.38
26 29 13 13-0047 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1) .....	1,124.70	78.38
26 29 13 13-0048 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1) .....	1,441.81	78.38
26 29 13 13-0049 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1) .....	652.14	78.38
26 29 13 13-0050 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1) .....	466.20	52.25
26 29 13 13-0051 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2) .....	699.72	73.16
26 29 13 13-0052 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2) .....	699.72	73.16
26 29 13 13-0053 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12) .....	1,340.35	83.60
26 29 13 13-0054 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2) .....	1,340.35	83.60
26 29 13 13-0055 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2) .....	1,643.99	83.60
26 29 13 13-0056 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2) .....	826.34	83.60
26 29 13 13-0057 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2) .....	640.39	57.48
26 29 13 13-0058 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2) .....	549.03	78.38
26 29 13 13-0059 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2) .....	549.03	78.38
26 29 13 13-0060 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12) .....	1,042.49	88.84
26 29 13 13-0061 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2) .....	1,042.49	88.84
26 29 13 13-0062 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2) .....	1,345.10	88.84
26 29 13 13-0063 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2) .....	673.56	88.84
26 29 13 13-0064 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2) .....	489.70	62.71
26 29 13 13-0065 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3) .....	634.11	83.60
26 29 13 13-0066 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3) .....	634.11	83.60
26 29 13 13-0067 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13) .....	1,230.16	94.06
26 29 13 13-0068 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3) .....	1,230.16	94.06
26 29 13 13-0069 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3) .....	1,554.53	94.06
26 29 13 13-0070 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3) .....	757.60	94.06
26 29 13 13-0071 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3) .....	571.67	67.93
<b>26 29 13 13-0072 Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0073 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1) .....	1,306.08	109.74
26 29 13 13-0074 EA NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1) .....	1,306.08	109.74
26 29 13 13-0075 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1) .....	1,155.28	78.38
26 29 13 13-0076 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1) .....	1,547.71	120.19
26 29 13 13-0077 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1) .....	1,396.91	88.84
<b>26 29 13 13-0078 Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0079 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1) .....	1,306.08	109.74
26 29 13 13-0080 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1) .....	1,155.28	78.38
26 29 13 13-0081 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1) .....	1,547.71	120.19
26 29 13 13-0082 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1) .....	1,396.91	88.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0083 <b>Magnetic Motor Starters</b> <small>(26 29 13 13)</small>		
26 29 13 13-0084 <b>Non Reversing, Magnetic Contactors</b> <small>(26 29 13 13-0083)</small>		
26 29 13 13-0085 <b>Open Enclosure, Non Reversing, Magnetic Contactors</b> <small>(26 29 13 13-0084)</small>		
26 29 13 13-0086    EA    Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11).....	506.44	104.51
For Factory Installed Accessory, Deduct	-209.02	
26 29 13 13-0087    EA    Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12).....	570.88	114.96
For Factory Installed Accessory, Deduct	-229.93	
26 29 13 13-0088    EA    Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5).....	549.97	104.51
For Factory Installed Accessory, Deduct	-209.02	
26 29 13 13-0089    EA    Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1).....	615.44	114.96
For Factory Installed Accessory, Deduct	-229.93	
26 29 13 13-0090    EA    Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2).....	679.86	125.41
For Factory Installed Accessory, Deduct	-250.82	
26 29 13 13-0091    EA    Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3).....	859.67	156.76
For Factory Installed Accessory, Deduct	-313.53	
26 29 13 13-0092    EA    Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4).....	1,085.08	188.12
For Factory Installed Accessory, Deduct	-376.24	
26 29 13 13-0093    EA    Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5).....	643.42	114.96
For Factory Installed Accessory, Deduct	-229.93	
26 29 13 13-0094    EA    Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1).....	707.84	125.41
For Factory Installed Accessory, Deduct	-250.82	
26 29 13 13-0095    EA    Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2).....	774.33	135.87
For Factory Installed Accessory, Deduct	-271.72	
26 29 13 13-0096    EA    Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3).....	986.53	182.90
For Factory Installed Accessory, Deduct	-365.78	
26 29 13 13-0097    EA    Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4).....	1,210.91	214.25
For Factory Installed Accessory, Deduct	-428.49	
26 29 13 13-0098    EA    Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1).....	1,107.85	125.41
For Factory Installed Accessory, Deduct	-250.82	
26 29 13 13-0099    EA    Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2).....	1,227.56	156.76
For Factory Installed Accessory, Deduct	-313.53	
26 29 13 13-0100    EA    Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3).....	1,598.40	209.02
For Factory Installed Accessory, Deduct	-418.03	
26 29 13 13-0101    EA    Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1).....	1,671.11	156.76
For Factory Installed Accessory, Deduct	-313.53	
26 29 13 13-0102    EA    Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2).....	1,894.78	209.02
For Factory Installed Accessory, Deduct	-418.03	
26 29 13 13-0103    EA    Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3).....	2,411.76	261.27
For Factory Installed Accessory, Deduct	-522.55	
26 29 13 13-0104    EA    Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4).....	3,461.39	313.53
For Factory Installed Accessory, Deduct	-627.06	
26 29 13 13-0105    EA    Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1).....	3,799.38	261.27
For Factory Installed Accessory, Deduct	-522.55	
26 29 13 13-0106    EA    Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2).....	4,170.23	313.53
For Factory Installed Accessory, Deduct	-627.06	
26 29 13 13-0107    EA    Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3).....	5,661.32	365.78
For Factory Installed Accessory, Deduct	-731.56	
26 29 13 13-0108    EA    Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1).....	7,727.90	313.53
For Factory Installed Accessory, Deduct	-627.06	
26 29 13 13-0109    EA    Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2).....	8,557.68	418.03
For Factory Installed Accessory, Deduct	-836.08	
26 29 13 13-0110    EA    Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2).....	22,331.76	627.06
For Factory Installed Accessory, Deduct	-1,254.11	
26 29 13 13-0111    EA    Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2).....	31,963.38	940.58
For Factory Installed Accessory, Deduct	-1,881.17	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0112			<b>NEMA 1, Non Reversing, Magnetic Contactors</b> <small>(26 29 13 13-0084)</small>		
26 29 13 13-0113	EA		Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11).....	538.57	104.51
			<i>For Factory Installed Accessory, Deduct</i>	-209.02	
26 29 13 13-0114	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12).....	603.00	114.96
			<i>For Factory Installed Accessory, Deduct</i>	-229.93	
26 29 13 13-0115	EA		Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5).....	582.09	104.51
			<i>For Factory Installed Accessory, Deduct</i>	-209.02	
26 29 13 13-0116	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1).....	648.60	114.96
			<i>For Factory Installed Accessory, Deduct</i>	-229.93	
26 29 13 13-0117	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2).....	713.02	125.41
			<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0118	EA		Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3).....	894.90	156.76
			<i>For Factory Installed Accessory, Deduct</i>	-313.53	
26 29 13 13-0119	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4).....	1,121.35	188.12
			<i>For Factory Installed Accessory, Deduct</i>	-376.24	
26 29 13 13-0120	EA		Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5).....	677.62	114.96
			<i>For Factory Installed Accessory, Deduct</i>	-229.93	
26 29 13 13-0121	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1).....	744.11	125.41
			<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0122	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2).....	808.53	135.87
			<i>For Factory Installed Accessory, Deduct</i>	-271.72	
26 29 13 13-0123	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3).....	1,021.77	182.90
			<i>For Factory Installed Accessory, Deduct</i>	-365.78	
26 29 13 13-0124	EA		Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4).....	1,245.11	214.25
			<i>For Factory Installed Accessory, Deduct</i>	-428.49	
26 29 13 13-0125	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1).....	1,261.23	125.41
			<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0126	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2).....	1,381.97	156.76
			<i>For Factory Installed Accessory, Deduct</i>	-313.53	
26 29 13 13-0127	EA		Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3).....	1,751.77	209.02
			<i>For Factory Installed Accessory, Deduct</i>	-418.03	
26 29 13 13-0128	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1).....	1,972.67	156.76
			<i>For Factory Installed Accessory, Deduct</i>	-313.53	
26 29 13 13-0129	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2).....	2,195.31	209.02
			<i>For Factory Installed Accessory, Deduct</i>	-418.03	
26 29 13 13-0130	EA		Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3).....	2,713.32	261.27
			<i>For Factory Installed Accessory, Deduct</i>	-522.55	
26 29 13 13-0131	EA		Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1).....	4,424.28	261.27
			<i>For Factory Installed Accessory, Deduct</i>	-522.55	
26 29 13 13-0132	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2).....	4,795.13	313.53
			<i>For Factory Installed Accessory, Deduct</i>	-627.06	
26 29 13 13-0133	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2).....	9,696.59	418.03
			<i>For Factory Installed Accessory, Deduct</i>	-836.08	
26 29 13 13-0134	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2).....	27,340.28	627.06
			<i>For Factory Installed Accessory, Deduct</i>	-1,254.11	
26 29 13 13-0135	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJJ2).....	36,986.41	940.58
			<i>For Factory Installed Accessory, Deduct</i>	-1,881.17	
26 29 13 13-0136			<b>NEMA 12, Non Reversing, Magnetic Contactors</b> <small>(26 29 13 13-0084)</small>		
26 29 13 13-0137	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1).....	825.81	114.96
			<i>For Factory Installed Accessory, Deduct</i>	-229.93	
26 29 13 13-0138	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2).....	890.23	125.41
			<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0139	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2).....	985.74	135.87
			<i>For Factory Installed Accessory, Deduct</i>	-271.72	
26 29 13 13-0140	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1).....	1,584.56	125.41
			<i>For Factory Installed Accessory, Deduct</i>	-250.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0141 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2) .....	1,706.34	156.76
<i>For Factory Installed Accessory, Deduct</i>	-313.53	
26 29 13 13-0142 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1).....	2,356.11	156.76
<i>For Factory Installed Accessory, Deduct</i>	-313.53	
26 29 13 13-0143 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2).....	2,577.71	209.02
<i>For Factory Installed Accessory, Deduct</i>	-418.03	
26 29 13 13-0144 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2).....	6,064.62	313.53
<i>For Factory Installed Accessory, Deduct</i>	-627.06	
26 29 13 13-0145 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2) .....	12,945.44	418.03
<i>For Factory Installed Accessory, Deduct</i>	-836.08	
26 29 13 13-0146 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2) .....	31,323.88	627.06
<i>For Factory Installed Accessory, Deduct</i>	-1,254.11	
<b>26 29 13 13-0147 NEMA 4/4X, Non Reversing, Magnetic Contactors</b> <small>(26 29 13 13-0084)</small>		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0148 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12) .....	1,230.14	125.41
<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0149 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11) .....	1,275.74	125.41
<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0150 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12) .....	1,340.16	135.87
<i>For Factory Installed Accessory, Deduct</i>	-271.72	
26 29 13 13-0151 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13) .....	1,553.40	182.90
<i>For Factory Installed Accessory, Deduct</i>	-365.78	
26 29 13 13-0152 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12) .....	2,445.23	156.76
<i>For Factory Installed Accessory, Deduct</i>	-313.53	
26 29 13 13-0153 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12).....	3,700.05	209.02
<i>For Factory Installed Accessory, Deduct</i>	-418.03	
26 29 13 13-0154 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12).....	7,364.16	313.53
<i>For Factory Installed Accessory, Deduct</i>	-627.06	
26 29 13 13-0155 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12).....	12,945.44	418.03
<i>For Factory Installed Accessory, Deduct</i>	-836.08	
26 29 13 13-0156 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2) .....	34,718.86	627.06
<i>For Factory Installed Accessory, Deduct</i>	-1,254.11	
<b>26 29 13 13-0157 NEMA 7/9, Non Reversing, Magnetic Contactors</b> <small>(26 29 13 13-0084)</small>		
Note: Bolted cast iron enclosure.		
26 29 13 13-0158 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2) .....	2,479.61	167.22
<i>For Factory Installed Accessory, Deduct</i>	-334.43	
<b>26 29 13 13-0159 Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0083)</small>		
<b>26 29 13 13-0160 Open Enclosure, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
26 29 13 13-0161 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO11) .....	609.04	104.51
<i>For Factory Installed Accessory, Deduct</i>	-209.02	
26 29 13 13-0162 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12).....	629.95	114.96
<i>For Factory Installed Accessory, Deduct</i>	-229.93	
26 29 13 13-0163 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1) .....	680.73	114.96
<i>For Factory Installed Accessory, Deduct</i>	-229.93	
26 29 13 13-0164 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2).....	753.43	125.41
<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0165 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4).....	1,214.62	188.12
<i>For Factory Installed Accessory, Deduct</i>	-376.24	
26 29 13 13-0166 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1) .....	776.23	125.41
<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0167 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3) .....	914.24	135.87
<i>For Factory Installed Accessory, Deduct</i>	-271.72	
26 29 13 13-0168 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2) .....	957.76	135.87
<i>For Factory Installed Accessory, Deduct</i>	-271.72	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0169	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6).....	1,202.16	125.41
			<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0170	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1).....	1,361.25	156.76
			<i>For Factory Installed Accessory, Deduct</i>	-313.53	
26 29 13 13-0171	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1).....	2,115.52	209.02
			<i>For Factory Installed Accessory, Deduct</i>	-418.03	
26 29 13 13-0172	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1).....	4,510.14	313.53
			<i>For Factory Installed Accessory, Deduct</i>	-627.06	
26 29 13 13-0173	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1).....	10,320.45	418.03
			<i>For Factory Installed Accessory, Deduct</i>	-836.08	
26 29 13 13-0174	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2).....	23,800.22	627.06
			<i>For Factory Installed Accessory, Deduct</i>	-1,254.11	
26 29 13 13-0175	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2).....	34,276.44	940.58
			<i>For Factory Installed Accessory, Deduct</i>	-1,881.17	
<b>26 29 13 13-0176</b>			<b>NEMA 1, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
26 29 13 13-0177	EA		Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG11).....	643.24	104.51
			<i>For Factory Installed Accessory, Deduct</i>	-209.02	
26 29 13 13-0178	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12).....	664.15	114.96
			<i>For Factory Installed Accessory, Deduct</i>	-229.93	
26 29 13 13-0179	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1).....	714.93	114.96
			<i>For Factory Installed Accessory, Deduct</i>	-229.93	
26 29 13 13-0180	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2).....	787.63	125.41
			<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0181	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1).....	809.39	125.41
			<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0182	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3).....	883.15	135.87
			<i>For Factory Installed Accessory, Deduct</i>	-271.72	
26 29 13 13-0183	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2).....	993.00	135.87
			<i>For Factory Installed Accessory, Deduct</i>	-271.72	
26 29 13 13-0184	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6).....	1,356.57	125.41
			<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0185	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1).....	1,515.66	156.76
			<i>For Factory Installed Accessory, Deduct</i>	-313.53	
26 29 13 13-0186	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1).....	2,417.09	209.02
			<i>For Factory Installed Accessory, Deduct</i>	-418.03	
26 29 13 13-0187	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1).....	5,135.04	313.53
			<i>For Factory Installed Accessory, Deduct</i>	-627.06	
26 29 13 13-0188	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1).....	11,462.47	418.03
			<i>For Factory Installed Accessory, Deduct</i>	-836.08	
<b>26 29 13 13-0189</b>			<b>NEMA 12, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
26 29 13 13-0190	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1).....	892.14	114.96
			<i>For Factory Installed Accessory, Deduct</i>	-229.93	
26 29 13 13-0191	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2).....	964.84	125.41
			<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0192	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1).....	986.61	125.41
			<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0193	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3).....	1,060.36	135.87
			<i>For Factory Installed Accessory, Deduct</i>	-271.72	
26 29 13 13-0194	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2).....	1,170.21	135.87
			<i>For Factory Installed Accessory, Deduct</i>	-271.72	
26 29 13 13-0195	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6).....	1,680.94	125.41
			<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0196	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1).....	1,838.99	156.76
			<i>For Factory Installed Accessory, Deduct</i>	-313.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0197 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1) .....	2,799.49	209.02
<i>For Factory Installed Accessory, Deduct</i>	-418.03	
26 29 13 13-0198 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1) .....	6,403.49	313.53
<i>For Factory Installed Accessory, Deduct</i>	-627.06	
26 29 13 13-0199 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1) .....	14,708.22	418.03
<i>For Factory Installed Accessory, Deduct</i>	-836.08	
26 29 13 13-0200 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2) .....	35,169.66	627.06
<i>For Factory Installed Accessory, Deduct</i>	-1,254.11	
<b>26 29 13 13-0201 NEMA 3R, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
26 29 13 13-0202 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1) .....	892.14	114.96
<i>For Factory Installed Accessory, Deduct</i>	-229.93	
26 29 13 13-0203 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2) .....	964.84	125.41
<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0204 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1) .....	986.61	125.41
<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0205 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3) .....	1,060.36	135.87
<i>For Factory Installed Accessory, Deduct</i>	-271.72	
26 29 13 13-0206 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2) .....	1,170.21	135.87
<i>For Factory Installed Accessory, Deduct</i>	-271.72	
26 29 13 13-0207 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6) .....	1,680.94	125.41
<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0208 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1) .....	1,838.99	156.76
<i>For Factory Installed Accessory, Deduct</i>	-313.53	
26 29 13 13-0209 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1) .....	2,799.49	209.02
<i>For Factory Installed Accessory, Deduct</i>	-418.03	
26 29 13 13-0210 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1) .....	6,403.49	313.53
<i>For Factory Installed Accessory, Deduct</i>	-627.06	
<b>26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
Note: Bolted cast aluminum enclosure.		
26 29 13 13-0212 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4) .....	2,583.41	177.66
<i>For Factory Installed Accessory, Deduct</i>	-355.33	
26 29 13 13-0213 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1) .....	3,186.55	177.66
<i>For Factory Installed Accessory, Deduct</i>	-355.33	
26 29 13 13-0214 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3) .....	3,282.07	188.12
<i>For Factory Installed Accessory, Deduct</i>	-376.24	
26 29 13 13-0215 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1) .....	5,109.44	209.02
<i>For Factory Installed Accessory, Deduct</i>	-418.03	
26 29 13 13-0216 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43) .....	6,159.08	261.27
<i>For Factory Installed Accessory, Deduct</i>	-622.55	
26 29 13 13-0217 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41) .....	9,828.35	365.78
<i>For Factory Installed Accessory, Deduct</i>	-731.56	
<b>26 29 13 13-0218 NEMA 4/4X, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0219 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11) .....	1,231.01	114.96
<i>For Factory Installed Accessory, Deduct</i>	-229.93	
26 29 13 13-0220 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12) .....	1,304.75	125.41
<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0221 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11) .....	1,341.03	125.41
<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0222 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13) .....	1,414.78	135.87
<i>For Factory Installed Accessory, Deduct</i>	-271.72	
26 29 13 13-0223 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12) .....	1,524.63	135.87
<i>For Factory Installed Accessory, Deduct</i>	-271.72	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0224	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16).....	2,417.76	125.41
			<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0225	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11) .....	3,920.78	209.02
			<i>For Factory Installed Accessory, Deduct</i>	-418.03	
26 29 13 13-0226	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11) .....	7,702.00	313.53
			<i>For Factory Installed Accessory, Deduct</i>	-627.06	
26 29 13 13-0227	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11).....	17,204.71	418.03
			<i>For Factory Installed Accessory, Deduct</i>	-836.08	
<b>26 29 13 13-0228</b>			<b>NEMA 4X, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
			Note: Glass polyester enclosure.		
26 29 13 13-0229	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21) .....	2,578.92	156.76
			<i>For Factory Installed Accessory, Deduct</i>	-313.53	
26 29 13 13-0230	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21) .....	4,797.51	209.02
			<i>For Factory Installed Accessory, Deduct</i>	-418.03	
26 29 13 13-0231	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21).....	9,472.03	313.53
			<i>For Factory Installed Accessory, Deduct</i>	-627.06	
<b>26 29 13 13-0232</b>			<b>NEMA 7/9, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
			Note: Bolted cast iron enclosure.		
26 29 13 13-0233	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1) .....	2,501.37	167.22
			<i>For Factory Installed Accessory, Deduct</i>	-334.43	
26 29 13 13-0234	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2) .....	2,583.41	177.66
			<i>For Factory Installed Accessory, Deduct</i>	-355.33	
26 29 13 13-0235	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1).....	2,620.72	177.66
			<i>For Factory Installed Accessory, Deduct</i>	-355.33	
26 29 13 13-0236	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3) .....	2,698.63	188.12
			<i>For Factory Installed Accessory, Deduct</i>	-376.24	
26 29 13 13-0237	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2).....	2,825.06	188.12
			<i>For Factory Installed Accessory, Deduct</i>	-376.24	
26 29 13 13-0238	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1) .....	4,172.61	209.02
			<i>For Factory Installed Accessory, Deduct</i>	-418.03	
<b>26 29 13 13-0239</b>			<b>Reversing, Magnetic Starters</b> <small>(26 29 13 13-0083)</small>		
<b>26 29 13 13-0240</b>			<b>Open Enclosure, Reversing, Magnetic Starters</b> <small>(26 29 13 13-0239)</small>		
26 29 13 13-0241	EA		Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13) .....	1,166.06	135.87
			<i>For Factory Installed Accessory, Deduct</i>	-271.72	
26 29 13 13-0242	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16) .....	1,231.35	135.87
			<i>For Factory Installed Accessory, Deduct</i>	-271.72	
26 29 13 13-0243	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1) .....	1,364.17	146.31
			<i>For Factory Installed Accessory, Deduct</i>	-292.62	
26 29 13 13-0244	EA		Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2) .....	1,414.10	156.76
			<i>For Factory Installed Accessory, Deduct</i>	-313.53	
26 29 13 13-0245	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10) .....	1,450.37	156.76
			<i>For Factory Installed Accessory, Deduct</i>	-313.53	
26 29 13 13-0246	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2) .....	1,552.10	167.22
			<i>For Factory Installed Accessory, Deduct</i>	-334.43	
26 29 13 13-0247	EA		Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3) .....	1,614.54	182.90
			<i>For Factory Installed Accessory, Deduct</i>	-365.78	
26 29 13 13-0248	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7).....	1,651.85	182.90
			<i>For Factory Installed Accessory, Deduct</i>	-365.78	
26 29 13 13-0249	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1) .....	2,852.34	209.02
			<i>For Factory Installed Accessory, Deduct</i>	-418.03	
26 29 13 13-0250	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1).....	4,670.77	313.53
			<i>For Factory Installed Accessory, Deduct</i>	-627.06	
26 29 13 13-0251	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1).....	10,816.68	470.29
			<i>For Factory Installed Accessory, Deduct</i>	-940.58	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0252 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1).....	20,228.04	627.06
<i>For Factory Installed Accessory, Deduct</i>	-1,254.11	
26 29 13 13-0253 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1).....	65,773.62	1,149.61
<i>For Factory Installed Accessory, Deduct</i>	-2,299.20	
<b>26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters</b> <small>(26 29 13 13-0239)</small>		
26 29 13 13-0255 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13) .....	1,207.34	125.41
<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0256 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15) .....	1,259.33	135.87
<i>For Factory Installed Accessory, Deduct</i>	-271.72	
26 29 13 13-0257 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16) .....	1,296.64	135.87
<i>For Factory Installed Accessory, Deduct</i>	-271.72	
26 29 13 13-0258 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1) .....	1,426.35	146.31
<i>For Factory Installed Accessory, Deduct</i>	-292.62	
26 29 13 13-0259 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2) .....	1,478.35	156.76
<i>For Factory Installed Accessory, Deduct</i>	-313.53	
26 29 13 13-0260 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4) .....	1,515.66	156.76
<i>For Factory Installed Accessory, Deduct</i>	-313.53	
26 29 13 13-0261 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2) .....	1,645.37	167.22
<i>For Factory Installed Accessory, Deduct</i>	-334.43	
26 29 13 13-0262 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6) .....	1,707.81	182.90
<i>For Factory Installed Accessory, Deduct</i>	-365.78	
26 29 13 13-0263 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8) .....	1,745.12	182.90
<i>For Factory Installed Accessory, Deduct</i>	-365.78	
26 29 13 13-0264 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2) .....	3,094.84	209.02
<i>For Factory Installed Accessory, Deduct</i>	-418.03	
26 29 13 13-0265 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2) .....	5,090.48	313.53
<i>For Factory Installed Accessory, Deduct</i>	-627.06	
26 29 13 13-0266 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3) .....	11,587.70	470.29
<i>For Factory Installed Accessory, Deduct</i>	-940.58	
<b>26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters</b> <small>(26 29 13 13-0239)</small>		
26 29 13 13-0268 EA Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2) .....	1,743.65	156.76
<i>For Factory Installed Accessory, Deduct</i>	-313.53	
26 29 13 13-0269 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4) .....	1,780.95	156.76
<i>For Factory Installed Accessory, Deduct</i>	-313.53	
26 29 13 13-0270 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4) .....	2,010.42	182.90
<i>For Factory Installed Accessory, Deduct</i>	-365.78	
26 29 13 13-0271 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1) .....	3,538.38	209.02
<i>For Factory Installed Accessory, Deduct</i>	-418.03	
<b>26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters</b> <small>(26 29 13 13-0239)</small>		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0273 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14) .....	2,193.41	156.76
<i>For Factory Installed Accessory, Deduct</i>	-313.53	
26 29 13 13-0274 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11) .....	2,590.49	167.22
<i>For Factory Installed Accessory, Deduct</i>	-334.43	
<b>26 29 13 13-0275 Magnetic Contactor/Starters Accessories</b> <small>(26 29 13 13-0083)</small>		
26 29 13 13-0276 EA NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2) .....	163.21	13.07
<i>For Factory Installed Accessory, Deduct</i>	-26.13	
26 29 13 13-0277 EA NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3) .....	280.21	13.07
<i>For Factory Installed Accessory, Deduct</i>	-26.13	
26 29 13 13-0278 EA NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2) .....	163.21	13.07
<i>For Factory Installed Accessory, Deduct</i>	-26.13	
26 29 13 13-0279 EA NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8) .....	280.21	13.07
<i>For Factory Installed Accessory, Deduct</i>	-26.13	
26 29 13 13-0280 EA NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R) .....	280.21	13.07
<i>For Factory Installed Accessory, Deduct</i>	-26.13	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0281 EA Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11).....	137.89	10.45
<i>For Factory Installed Accessory, Deduct</i>	-20.90	
26 29 13 13-0282 EA External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6).....	122.53	10.45
<i>For Factory Installed Accessory, Deduct</i>	-20.90	
26 29 13 13-0283 EA External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8).....	163.21	13.07
<i>For Factory Installed Accessory, Deduct</i>	-26.13	
26 29 13 13-0284 EA External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13).....	137.89	10.45
<i>For Factory Installed Accessory, Deduct</i>	-20.90	
26 29 13 13-0285 EA External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15).....	184.49	13.07
<i>For Factory Installed Accessory, Deduct</i>	-26.13	
26 29 13 13-0286 EA 30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6).....	207.62	10.45
<i>For Factory Installed Accessory, Deduct</i>	-20.90	
26 29 13 13-0287 EA 45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11).....	360.07	10.45
<i>For Factory Installed Accessory, Deduct</i>	-20.90	
26 29 13 13-0288 EA 60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21).....	382.52	10.45
<i>For Factory Installed Accessory, Deduct</i>	-20.90	
26 29 13 13-0289 EA 30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8).....	457.47	13.07
<i>For Factory Installed Accessory, Deduct</i>	-26.13	
26 29 13 13-0290 EA 45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13).....	801.37	13.07
<i>For Factory Installed Accessory, Deduct</i>	-26.13	
26 29 13 13-0291 EA 60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23).....	801.37	13.07
<i>For Factory Installed Accessory, Deduct</i>	-26.13	
26 29 13 13-0292 EA Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1).....	46.53	7.84
<i>For Factory Installed Accessory, Deduct</i>	-15.68	
26 29 13 13-0293 EA 1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3).....	96.53	10.45
<i>For Factory Installed Accessory, Deduct</i>	-20.90	
26 29 13 13-0294 EA 2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4).....	127.76	13.07
<i>For Factory Installed Accessory, Deduct</i>	-26.13	
26 29 13 13-0295 EA Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1).....	99.40	13.07
<i>For Factory Installed Accessory, Deduct</i>	-26.13	
26 29 13 13-0296 EA Terminal Block, Contactor/Starter Accessory (Square D 9999T7).....	55.04	7.84
<i>For Factory Installed Accessory, Deduct</i>	-15.68	
26 29 13 13-0297 EA Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1).....	32.59	7.84
<i>For Factory Installed Accessory, Deduct</i>	-15.68	
26 29 13 13-0298 EA 1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39).....	180.44	10.45
<i>For Factory Installed Accessory, Deduct</i>	-20.90	
26 29 13 13-0299 EA 2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40).....	313.30	13.07
<i>For Factory Installed Accessory, Deduct</i>	-26.13	
<b>26 29 13 13-0300 Definite Purpose Starters</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0301 Open Enclosure, Definite Purpose Starter</b> <small>(26 29 13 13-0300)</small>		
26 29 13 13-0302 EA Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13).....	558.61	125.41
<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0303 EA Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22).....	557.57	125.41
<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0304 EA Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23).....	603.34	135.87
<i>For Factory Installed Accessory, Deduct</i>	-271.72	
26 29 13 13-0305 EA Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32).....	595.91	125.41
<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0306 EA Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33).....	647.90	135.87
<i>For Factory Installed Accessory, Deduct</i>	-271.72	
26 29 13 13-0307 EA Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42).....	629.08	125.41
<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0308 EA Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43).....	727.02	156.76
<i>For Factory Installed Accessory, Deduct</i>	-313.53	
26 29 13 13-0309 EA Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52).....	813.03	156.76
<i>For Factory Installed Accessory, Deduct</i>	-313.53	
26 29 13 13-0310 EA Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53).....	1,026.95	182.90
<i>For Factory Installed Accessory, Deduct</i>	-365.78	
<b>26 29 13 13-0311 NEMA 1, Definite Purpose Starter</b> <small>(26 29 13 13-0300)</small>		
26 29 13 13-0312 EA NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12).....	573.99	114.96
<i>For Factory Installed Accessory, Deduct</i>	-229.93	
26 29 13 13-0313 EA NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13).....	619.75	125.41
<i>For Factory Installed Accessory, Deduct</i>	-250.82	
26 29 13 13-0314 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22).....	617.68	125.41
<i>For Factory Installed Accessory, Deduct</i>	-250.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0315 EA NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23) .....	666.56	135.87
<i>For Factory Installed Accessory, Deduct</i> .....	-271.72	
26 29 13 13-0316 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32) .....	657.06	125.41
<i>For Factory Installed Accessory, Deduct</i> .....	-250.82	
26 29 13 13-0317 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33) .....	710.08	135.87
<i>For Factory Installed Accessory, Deduct</i> .....	-271.72	
26 29 13 13-0318 EA NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42) .....	692.29	125.41
<i>For Factory Installed Accessory, Deduct</i> .....	-250.82	
26 29 13 13-0319 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43) .....	789.20	156.76
<i>For Factory Installed Accessory, Deduct</i> .....	-313.53	
26 29 13 13-0320 EA NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52) .....	872.10	156.76
<i>For Factory Installed Accessory, Deduct</i> .....	-313.53	
26 29 13 13-0321 EA NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53) .....	1,087.06	182.90
<i>For Factory Installed Accessory, Deduct</i> .....	-365.78	
<b>26 29 13 13-0322 Definite Purpose Starter Accessory</b> <small>(26 29 13 13-0300)</small>		
26 29 13 13-0323 EA Start-Stop Push Button Kit, Definite Purpose Starter Accessory .....	184.49	13.07
Note: Or Hand-Off-Auto Selector Switch Kit		
<i>For Factory Installed Accessory, Deduct</i> .....	-26.13	
<b>26 29 13 13-0324 Panel Mounted Miniature Contactor</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0325 Non Reversing, Panel Mounted Miniature Contactor</b> <small>(26 29 13 13-0324)</small>		
26 29 13 13-0326 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K) .....	163.58	52.25
26 29 13 13-0327 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K) .....	192.68	57.48
26 29 13 13-0328 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K) .....	192.68	57.48
26 29 13 13-0329 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K) .....	214.53	62.71
26 29 13 13-0330 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	182.23	52.25
26 29 13 13-0331 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	192.60	52.25
26 29 13 13-0332 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	210.30	57.48
26 29 13 13-0333 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	220.66	57.48
26 29 13 13-0334 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	216.52	57.48
26 29 13 13-0335 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	220.66	57.48
26 29 13 13-0336 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	235.26	62.71
26 29 13 13-0337 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	226.88	57.48
26 29 13 13-0338 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	245.62	62.71
26 29 13 13-0339 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K) .....	228.95	57.48
26 29 13 13-0340 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K) .....	228.95	57.48
26 29 13 13-0341 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K) .....	255.99	62.71
26 29 13 13-0342 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K) .....	255.99	62.71

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0343			<b>Reversing, Panel Mounted Miniature Contactor</b> <small>(26 29 13 13-0324)</small>		
26 29 13 13-0344	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	239.23	52.25
26 29 13 13-0345	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	259.96	52.25
26 29 13 13-0346	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	288.02	57.48
26 29 13 13-0347	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	288.02	57.48
26 29 13 13-0348	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	308.75	57.48
26 29 13 13-0349	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	323.35	62.71
26 29 13 13-0350	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	323.35	62.71
26 29 13 13-0351	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	277.57	52.25
26 29 13 13-0352	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	298.30	52.25
26 29 13 13-0353	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	324.30	57.48
26 29 13 13-0354	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	345.02	57.48
26 29 13 13-0355	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	365.84	62.71
26 29 13 13-0356	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	386.56	62.71
26 29 13 13-0357	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	312.90	57.48
26 29 13 13-0358	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	361.60	57.48
26 29 13 13-0359	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	409.36	62.71
26 29 13 13-0360			<b>Panel Mounted Miniature Contactor Accessories</b> <small>(26 29 13 13-0324)</small>		
26 29 13 13-0361	EA		2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....	68.52	26.13
26 29 13 13-0362	EA		4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....	76.52	26.13
26 29 13 13-0363	EA		Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	91.01	26.13
26 29 13 13-0364	EA		Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....	119.83	26.13
26 29 13 13-0365			<b>Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole</b> <small>(26 29 13 13)</small>		
26 29 13 13-0366			<b>NEMA 1 Enclosure</b> <small>(26 29 13 13-0365)</small>		
26 29 13 13-0367	EA		Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	7,004.51	500.70
			<i>For NEMA 4, Add</i>	747.73	
26 29 13 13-0368	EA		Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	12,263.59	667.59
			<i>For NEMA 4, Add</i>	1,365.78	
26 29 13 13-0369	EA		Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	21,522.57	792.77
			<i>For NEMA 4, Add</i>	2,492.76	
26 29 13 13-0370	EA		Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	52,622.32	970.09
			<i>For NEMA 4, Add</i>	6,336.33	
26 29 13 13-0371	EA		Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	83,998.00	1,241.30
			<i>For NEMA 4, Add</i>	10,189.30	
26 29 13 13-0372			<b>NEMA 12 Enclosure</b> <small>(26 29 13 13-0365)</small>		
26 29 13 13-0373	EA		Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	6,954.68	511.33
26 29 13 13-0374	EA		Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	12,172.58	668.64
26 29 13 13-0375	EA		Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	21,356.46	790.26
26 29 13 13-0376	EA		Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	52,200.10	965.82
26 29 13 13-0377	EA		Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	83,319.04	1,241.82
26 29 13 13-0378			<b>Factory Modifications Pilot Devices</b> <small>(26 29 13 13-0365)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0379 EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	176.17	
26 29 13 13-0380 EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	194.29	
26 29 13 13-0381 EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	330.72	
26 29 13 13-0382 EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	179.69	
26 29 13 13-0383 EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	258.38	
26 29 13 13-0384 EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	129.19	
26 29 13 13-0385 EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	421.67	
<b>26 29 13 13-0386 Factory Modifications Meters (26 29 13 13-0385)</b>		
26 29 13 13-0387 EA Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	1,694.96	
26 29 13 13-0388 EA Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	1,637.10	
26 29 13 13-0389 EA Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	578.77	
26 29 13 13-0390 EA Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	479.57	
<b>26 29 13 13-0391 Factory Modifications Main Circuit Breakers (26 29 13 13-0385)</b>		
26 29 13 13-0392 EA Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker.....	2,240.14	
26 29 13 13-0393 EA Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker.....	4,096.94	
26 29 13 13-0394 EA Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker.....	8,714.59	
<b>26 29 13 13-0395 Factory Modifications Addition (26 29 13 13-0385)</b>		
Note: For reversing service auto transformer type.		
26 29 13 13-0396 EA Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	376.21	
26 29 13 13-0397 EA Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	376.21	
26 29 13 13-0398 EA Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	376.21	
26 29 13 13-0399 EA Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	376.21	
<b>26 29 13 13-0400 Combination Starters Non-Reversing (26 29 13 13)</b>		
<b>26 29 13 13-0401 240-600 Volt, 3-Pole (26 29 13 13-0400)</b>		
<b>26 29 13 13-0402 NEMA 1 With Disconnect Switch (26 29 13 13-0401)</b>		
26 29 13 13-0403 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,677.58	239.92
For Electronic Overloads, Add	226.99	
26 29 13 13-0404 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,016.18	375.52
For Electronic Overloads, Add	239.46	
26 29 13 13-0405 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,864.74	438.11
For Electronic Overloads, Add	379.14	
26 29 13 13-0406 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,407.99	542.41
For Electronic Overloads, Add	631.07	
26 29 13 13-0407 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,145.06	865.78
For Electronic Overloads, Add	1,217.24	
26 29 13 13-0408 EA Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	16,557.23	1,084.84
For Electronic Overloads, Add	2,732.98	
<b>26 29 13 13-0409 NEMA 1 With Circuit Breaker (26 29 13 13-0401)</b>		
26 29 13 13-0410 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,150.20	239.92
For Electronic Overloads, Add	316.78	
26 29 13 13-0411 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,488.80	375.52
For Electronic Overloads, Add	329.25	
26 29 13 13-0412 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,324.22	438.11
For Electronic Overloads, Add	466.44	
26 29 13 13-0413 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,657.43	542.41
For Electronic Overloads, Add	678.46	
26 29 13 13-0414 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	9,576.03	865.78
For Electronic Overloads, Add	1,489.13	
26 29 13 13-0415 EA Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	20,351.26	1,084.84
For Electronic Overloads, Add	3,453.84	
<b>26 29 13 13-0416 Factory Modifications For NEMA 1 Enclosure (26 29 13 13-0401)</b>		
26 29 13 13-0417 EA Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	215.22	
26 29 13 13-0418 EA H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	505.51	
26 29 13 13-0419 EA Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	348.89	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0420			<b>NEMA 4 With Disconnect Switch</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0421	EA		Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	3,098.85	312.93
			<i>For Electronic Overloads, Add</i>	466.44	
26 29 13 13-0422	EA		Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	3,389.86	438.11
			<i>For Electronic Overloads, Add</i>	478.91	
26 29 13 13-0423	EA		Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	4,904.29	479.83
			<i>For Electronic Overloads, Add</i>	748.31	
26 29 13 13-0424	EA		Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	7,867.51	584.14
			<i>For Electronic Overloads, Add</i>	1,274.61	
26 29 13 13-0425	EA		Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	12,477.35	865.78
			<i>For Electronic Overloads, Add</i>	2,040.38	
26 29 13 13-0426	EA		Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	27,611.13	1,084.84
			<i>For Electronic Overloads, Add</i>	4,833.22	
26 29 13 13-0427			<b>NEMA 4 With Circuit Breaker</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0428	EA		Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	3,571.47	312.93
			<i>For Electronic Overloads, Add</i>	556.24	
26 29 13 13-0429	EA		Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	3,862.48	438.11
			<i>For Electronic Overloads, Add</i>	568.71	
26 29 13 13-0430	EA		Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	5,363.77	479.83
			<i>For Electronic Overloads, Add</i>	835.61	
26 29 13 13-0431	EA		Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	8,116.94	584.14
			<i>For Electronic Overloads, Add</i>	1,322.00	
26 29 13 13-0432	EA		Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	13,908.32	865.78
			<i>For Electronic Overloads, Add</i>	2,312.26	
26 29 13 13-0433	EA		Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	26,127.65	1,084.84
			<i>For Electronic Overloads, Add</i>	4,551.36	
26 29 13 13-0434			<b>Factory Modifications For NEMA 4 Enclosure</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0435	EA		Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt .....	215.25	
26 29 13 13-0436	EA		H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt .....	505.51	
26 29 13 13-0437	EA		Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt .....	348.89	
26 29 13 13-0438			<b>NEMA 12 With Disconnect Switch</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0439	EA		Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	1,737.31	241.48
			<i>For Electronic Overloads, Add</i>	238.33	
26 29 13 13-0440	EA		Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,079.20	377.92
			<i>For Electronic Overloads, Add</i>	251.43	
26 29 13 13-0441	EA		Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,964.51	434.67
			<i>For Electronic Overloads, Add</i>	398.10	
26 29 13 13-0442	EA		Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	4,574.06	543.26
			<i>For Electronic Overloads, Add</i>	662.62	
26 29 13 13-0443	EA		Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	8,465.38	869.33
			<i>For Electronic Overloads, Add</i>	1,278.10	
26 29 13 13-0444	EA		Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	17,276.42	1,086.50
			<i>For Electronic Overloads, Add</i>	2,869.62	
26 29 13 13-0445			<b>NEMA 12 With Circuit Breaker</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0446	EA		Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,301.65	241.48
			<i>For Electronic Overloads, Add</i>	345.56	
26 29 13 13-0447	EA		Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,646.21	377.92
			<i>For Electronic Overloads, Add</i>	359.16	
26 29 13 13-0448	EA		Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	3,547.23	434.67
			<i>For Electronic Overloads, Add</i>	508.81	
26 29 13 13-0449	EA		Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	4,981.79	543.26
			<i>For Electronic Overloads, Add</i>	740.09	
26 29 13 13-0450	EA		Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	10,287.97	869.33
			<i>For Electronic Overloads, Add</i>	1,624.40	
26 29 13 13-0451	EA		Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	22,002.52	1,086.50
			<i>For Electronic Overloads, Add</i>	3,767.58	
26 29 13 13-0452			<b>Factory Modifications For NEMA 12 Enclosure</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0453	EA		Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt .....	213.46	
26 29 13 13-0454	EA		H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt .....	501.31	
26 29 13 13-0455	EA		Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt .....	345.98	
26 29 13 13-0456			<b>NEMA 7 Or 9 With Circuit Breaker</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0457	EA		Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	4,085.30	500.70
26 29 13 13-0458	EA		Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	5,535.71	667.59
26 29 13 13-0459	EA		Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	6,001.81	917.94
26 29 13 13-0460	EA		Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	8,927.90	1,251.74
26 29 13 13-0461	EA		Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	13,464.12	1,752.43
26 29 13 13-0462			<b>Factory Modifications For NEMA 7 Or 9 Enclosure</b> <small>(26 29 13 13-0401)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0463 EA Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,279.97	
26 29 13 13-0464 EA H-0-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,279.97	
26 29 13 13-0465 EA Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,279.97	
<b>26 29 13 13-0466</b> <b>Combination Starters Reversing</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0467</b> <b>240-600 Volt, 3 Pole</b> <small>(26 29 13 13-0466)</small>		
<b>26 29 13 13-0468</b> <b>NEMA 1 With Disconnect Switch</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0469 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,067.54	312.93
26 29 13 13-0470 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,388.25	438.11
26 29 13 13-0471 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	3,504.90	479.83
26 29 13 13-0472 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	5,366.42	584.14
26 29 13 13-0473 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	10,550.55	865.78
<b>26 29 13 13-0474</b> <b>NEMA 1 With Circuit Breaker</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0475 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,316.91	312.93
26 29 13 13-0476 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,654.43	438.11
26 29 13 13-0477 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,816.51	479.83
26 29 13 13-0478 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,937.42	584.14
26 29 13 13-0479 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	11,393.41	865.78
<b>26 29 13 13-0480</b> <b>NEMA 12 With Disconnect Switch</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0481 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,212.55	322.01
26 29 13 13-0482 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,542.96	434.67
26 29 13 13-0483 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	3,763.52	482.96
26 29 13 13-0484 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	5,794.97	579.55
26 29 13 13-0485 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	11,448.11	869.33
<b>26 29 13 13-0486</b> <b>NEMA 12 With Circuit Breaker</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0487 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,487.31	322.01
26 29 13 13-0488 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,836.27	434.67
26 29 13 13-0489 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,106.87	482.96
26 29 13 13-0490 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,322.27	579.55
26 29 13 13-0491 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	12,376.82	869.33
<b>26 29 13 13-0492</b> <b>NEMA 7 Or 9 With Circuit Breaker</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0493 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,947.57	667.59
26 29 13 13-0494 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,302.66	834.49
26 29 13 13-0495 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	7,637.38	1,084.84
26 29 13 13-0496 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	12,186.36	1,418.63
26 29 13 13-0497 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	22,320.99	1,919.32
<b>26 29 13 13-0498</b> <b>Solid State Motor Controllers</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0499</b> <b>Adjustable Voltage Drives, DC Motors</b> <small>(26 29 13 13-0498)</small>		
26 29 13 13-0500 EA 0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking.....	1,650.97	187.76
26 29 13 13-0501 EA 0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	1,999.91	187.76
<b>26 29 13 13-0502</b> <b>Removal And Reinstallation Of Motor Starters</b> <small>(26 29 13 13)</small>		
Note: Includes storage and cleaning.		
26 29 13 13-0503 EA Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect.....	745.08	
<b>26 29 13 13-0504</b> <b>Auxiliary Devices</b> <small>(26 29 13 13)</small>		
26 29 13 13-0505 EA Normally Open, Auxiliary Contact.....	480.30	104.31
26 29 13 13-0506 EA Normally Closed, Auxiliary Contact.....	480.30	104.31
26 29 13 13-0507 EA Pilot Light Kit.....	507.72	104.31
<b>26 29 23</b> <b>Variable-Frequency Motor Controllers</b> <small>(26 29)</small>		
<b>26 29 23 00-0001</b> <b>208/230 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives</b> <small>(26 29 23)</small>		
Note: 1 or 3 phase. Wall mounted. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0002 EA 3/4 HP, 208/230 Volt Variable Frequency Drive.....	2,195.29	389.65
<i>For 6-Pulse Drive Package, Deduct</i>		
	-778.75	
26 29 23 00-0003 EA 1 HP, 208/230 Volt Variable Frequency Drive.....	2,477.84	425.87
<i>For 6-Pulse Drive Package, Deduct</i>		
	-896.53	
26 29 23 00-0004 EA 1-1/2 HP, 208/230 Volt Variable Frequency Drive.....	2,889.07	468.27
<i>For 6-Pulse Drive Package, Deduct</i>		
	-1,073.90	
26 29 23 00-0005 EA 2 HP, 208/230 Volt Variable Frequency Drive.....	3,063.12	450.11
<i>For 6-Pulse Drive Package, Deduct</i>		
	-1,189.60	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 29 Low-Voltage Controllers**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0006	EA		3 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	3,280.43 -1,264.42	490.75
26 29 23 00-0007	EA		5 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	3,563.86 -1,420.31	490.75
26 29 23 00-0008	EA		7.5 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	4,258.15 -1,697.44	585.95
26 29 23 00-0009	EA		10 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	4,667.56 -1,922.62	585.95
26 29 23 00-0010	EA		15 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	6,110.47 -2,390.28	882.25
26 29 23 00-0011	EA		20 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	7,244.21 -3,013.84	882.25
26 29 23 00-0012	EA		25 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	8,799.84 -3,550.78	1,171.99
26 29 23 00-0013	EA		30 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	10,217.00 -4,390.22	1,171.99
26 29 23 00-0014	EA		40 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	11,445.21 -5,005.73	1,171.99
26 29 23 00-0015	EA		50 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	15,119.09 -6,685.86	1,481.55
26 29 23 00-0016	EA		60 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	18,243.76 -8,106.17	1,752.64
26 29 23 00-0017	EA		75 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	20,763.16 -9,491.84	1,752.64
<b>26 29 23 00-0018</b>			<b>460/480 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives <small>(26 29 23)</small></b> Note: 3 Phase. ABB ACH580 Series. Includes full voltage bypass with main circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0019	EA		3 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	5,307.22 -2,147.79	701.08
26 29 23 00-0020	EA		5 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	5,496.17 -2,251.71	701.08
26 29 23 00-0021	EA		7.5 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	5,985.05 -2,372.96	835.34
26 29 23 00-0022	EA		10 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	6,016.54 -2,390.28	835.34
26 29 23 00-0023	EA		15 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	8,012.51 -3,013.84	1,266.41
26 29 23 00-0024	EA		20 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	8,453.40 -3,256.32	1,266.41
26 29 23 00-0025	EA		25 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	10,112.16 -3,723.99	1,670.68
26 29 23 00-0026	EA		30 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	11,686.78 -4,590.03	1,670.68
26 29 23 00-0027	EA		40 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	13,324.39 -5,490.72	1,670.68
26 29 23 00-0028	EA		50 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	17,471.08 -7,274.77	2,122.17
26 29 23 00-0029	EA		60 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	23,424.86 -10,115.39	2,516.62
26 29 23 00-0030	EA		75 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	24,936.50 -10,946.79	2,516.62
26 29 23 00-0031	EA		100 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	28,912.94 -12,817.45	2,804.29
26 29 23 00-0032	EA		125 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	30,550.55 -13,718.13	2,804.29
26 29 23 00-0033	EA		150 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	33,951.74 -15,588.79	2,804.29
26 29 23 00-0034	EA		200 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	39,143.19 -17,805.86	3,384.45
26 29 23 00-0035	EA		250 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	49,250.79 -23,198.88	3,535.50
26 29 23 00-0036	EA		300 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	57,796.29 -27,325.41	4,056.86
26 29 23 00-0037	EA		350 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	66,593.47 -31,786.58	4,399.79





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0038 EA 400 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	77,315.07  -37,297.39	4,750.87
26 29 23 00-0039 EA 450 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	83,314.56  -40,156.02	5,151.81
<b>26 29 33 Controllers for Fire Pump Drivers (26 29)</b>		
<b>26 29 33 13 Full-Service Controllers for Fire Pump Electric-Motor Drivers (26 29 33)</b>		
<b>26 29 33 13-0001 Electric Controllers For Fire Pumps (26 29 33 13)</b>		
<b>26 29 33 13-0002 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller (26 29 33 13-0001)</b>		
26 29 33 13-0003 EA 30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	31,503.62	198.45
26 29 33 13-0004 EA 40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	35,671.65	220.51
26 29 33 13-0005 EA 50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	37,387.84	242.56
26 29 33 13-0006 EA 75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	42,644.20	264.60
26 29 33 13-0007 EA 150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	45,025.79	308.71
26 29 33 13-0008 EA 175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	47,912.56	396.91
26 29 33 13-0009 EA 200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	51,920.37	441.01
26 29 33 13-0010 EA 250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	59,382.71	502.75
26 29 33 13-0011 EA 300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	71,637.91	542.44
26 29 33 13-0012 EA 350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	84,213.85	617.42
26 29 33 13-0013 EA 400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	100,564.27	661.52
26 29 33 13-0014 EA 500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	113,578.86	705.62

**26 29 33 19 Controllers for Fire Pump Diesel Engine Drivers (26 29 33)**  
See CSI section 26 29 33 13-0000 for controllers for fire pump diesel engine drivers.

**26 30 Facility Electrical Power Generating and Storing Equipment**

**26 31 Photovoltaic Collectors (26 30)**

**26 31 00 00-0002 Rigid Photovoltaic Modules (26 31)**

**26 31 00 00-0003 Sanyo Rigid Photovoltaic Modules (26 31 00 00-0002)**

26 31 00 00-0004 EA 205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6).....	2,012.60	99.09
<i>For &gt;50, Deduct</i>	-181.44	
26 31 00 00-0005 EA 210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6).....	2,110.96	99.09
<i>For &gt;50, Deduct</i>	-191.28	
26 31 00 00-0006 EA 215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6).....	1,974.02	99.09
<i>For &gt;50, Deduct</i>	-177.58	

**26 31 00 00-0007 Sharp Rigid Photovoltaic Modules (26 31 00 00-0002)**

26 31 00 00-0008 EA 224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1).....	1,569.73	99.09
<i>For &gt;50, Deduct</i>	-137.15	
26 31 00 00-0009 EA 230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3).....	1,789.27	99.09
<i>For &gt;50, Deduct</i>	-159.11	
26 31 00 00-0010 EA 235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1).....	1,824.04	99.09
<i>For &gt;50, Deduct</i>	-162.59	
26 31 00 00-0011 EA 240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1).....	1,715.36	99.09
<i>For &gt;50, Deduct</i>	-151.72	

**26 31 00 00-0012 BP Solar Rigid Photovoltaic Modules (26 31 00 00-0002)**

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.		
26 31 00 00-0013 EA 50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J) .....	761.04	99.09
<i>For &gt;50, Deduct</i>	-56.29	
26 31 00 00-0014 EA 75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J) .....	945.80	99.09
<i>For &gt;50, Deduct</i>	-74.76	
26 31 00 00-0015 EA 80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J) .....	1,019.70	99.09
<i>For &gt;50, Deduct</i>	-82.15	

**26 31 00 00-0016 Photovoltaic Inverters (26 31)**

**26 31 00 00-0017 Fronius Photovoltaic Inverters (26 31 00 00-0016)**

26 31 00 00-0018 EA 3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1) .....	4,829.90	104.31
26 31 00 00-0019 EA 5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1) .....	6,379.57	104.31
26 31 00 00-0020 EA 6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1) .....	6,735.61	104.31
26 31 00 00-0021 EA 7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1) .....	7,534.41	104.31
26 31 00 00-0022 EA 10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1) .....	11,946.54	104.31
26 31 00 00-0023 EA 12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1).....	13,891.44	104.31
26 31 00 00-0024 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta).....	11,280.55	208.63
26 31 00 00-0025 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3) .....	14,291.22	208.63

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 31 Photovoltaic Collectors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0026 EA Inverter Display Stand (Fronius 4,045,894) .....	412.31	52.15
<b>26 31 00 00-0027 SMA Photovoltaic Inverters</b> (26 31 00 00-0016)		
26 31 00 00-0028 EA 4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22) .....	3,579.93	104.31
26 31 00 00-0029 EA 5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22) .....	4,302.54	104.31
26 31 00 00-0030 EA 6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22) .....	4,975.98	104.31
26 31 00 00-0031 EA 7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22) .....	5,490.09	104.31
26 31 00 00-0032 EA 8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12) .....	5,316.91	104.31
<b>26 31 00 00-0033 PVPowered Photovoltaic Inverters</b> (26 31 00 00-0016)		
26 31 00 00-0034 EA 120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100) .....	4,436.56	104.31
26 31 00 00-0035 EA 240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000) .....	4,641.27	104.31
26 31 00 00-0036 EA 240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500) .....	5,130.83	104.31
26 31 00 00-0037 EA 240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500) .....	6,081.96	130.38
26 31 00 00-0038 EA 208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600) .....	7,415.84	156.46
26 31 00 00-0039 EA 240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800) .....	7,478.16	156.46
26 31 00 00-0040 EA 240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200) .....	7,892.93	156.46
26 31 00 00-0041 EA 208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW) .....	94,367.78	834.49
26 31 00 00-0042 EA 480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW) .....	94,492.96	834.49
26 31 00 00-0043 EA 208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW) .....	102,267.77	834.49
26 31 00 00-0044 EA 480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW) .....	94,791.71	834.49
<b>26 31 00 00-0045 Solectria Photovoltaic Inverters</b> (26 31 00 00-0016)		
26 31 00 00-0046 EA 208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI) .....	14,820.65	208.63
26 31 00 00-0047 EA 208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI) .....	14,820.65	208.63
26 31 00 00-0048 EA 208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI) .....	15,255.66	208.63
26 31 00 00-0049 EA 480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI) .....	15,255.66	208.63
26 31 00 00-0050 EA 208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI) .....	46,443.66	625.87
26 31 00 00-0051 EA 480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI) .....	44,268.64	625.87
26 31 00 00-0052 EA 208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI) .....	50,793.68	625.87
26 31 00 00-0053 EA 480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI) .....	49,585.34	625.87
26 31 00 00-0054 EA 208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI) .....	53,935.36	625.87
26 31 00 00-0055 EA 480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI) .....	51,518.68	625.87
26 31 00 00-0056 EA 208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI) .....	56,769.28	834.49
26 31 00 00-0057 EA 480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI) .....	54,110.94	834.49
26 31 00 00-0058 EA 208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI) .....	58,944.30	834.49
26 31 00 00-0059 EA 480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI) .....	55,802.61	834.49
<b>26 31 00 00-0060 Xantrex Photovoltaic Inverters</b> (26 31 00 00-0016)		
26 31 00 00-0061 EA 0.6 KW Photovoltaic Inverter (Xantrex 806-1206) .....	615.66	26.08
26 31 00 00-0062 EA 1 KW Photovoltaic Inverter (Xantrex 806-1210) .....	671.63	26.08
26 31 00 00-0063 EA 2 KW Photovoltaic Inverter (Xantrex 806-1220) .....	1,082.96	26.08
<b>26 31 00 00-0064 Photovoltaic DC-DC Converters</b> (26 31)		
26 31 00 00-0065 EA 15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20) .....	356.45	39.12
Note: Hazardous locations.		
26 31 00 00-0066 EA 20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23) .....	234.73	39.12
26 31 00 00-0067 EA 60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60) .....	669.45	39.12
<b>26 31 00 00-0068 Photovoltaic Combiner Boxes</b> (26 31)		
<b>26 31 00 00-0069 Midnight Solar Photovoltaic Combiner Boxes</b> (26 31 00 00-0068)		
26 31 00 00-0070 EA 3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3) .....	413.88	104.31
26 31 00 00-0071 EA 6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6) .....	402.60	104.31
26 31 00 00-0072 EA 12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12) .....	642.77	156.46
26 31 00 00-0073 EA 6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250) .....	646.71	156.46
26 31 00 00-0074 EA 16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16) .....	1,012.36	156.46
<b>26 31 00 00-0075 SMA Photovoltaic Combiner Boxes</b> (26 31 00 00-0068)		
26 31 00 00-0076 EA 6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6) .....	945.90	104.31
26 31 00 00-0077 EA 12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12) .....	1,138.00	104.31
26 31 00 00-0078 EA 28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28) .....	2,202.55	208.63
26 31 00 00-0079 EA 52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52) .....	5,127.30	208.63
26 31 00 00-0080 EA 4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch) .....	841.94	104.31
<b>26 31 00 00-0081 Photovoltaic Charge Controller</b> (26 31)		
26 31 00 00-0082 EA 35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35) .....	282.55	39.12
26 31 00 00-0083 EA 40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40) .....	380.36	39.12
26 31 00 00-0084 EA 60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60) .....	445.57	39.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0085 EA Remote Digital Meter For Xantrex C-35, 40 And 60 .....	339.06	39.12
26 31 00 00-0086 EA MPPT Charge Controller (Xantrex XW SCC).....	1,195.35	52.15
<b>26 31 00 00-0087 Photovoltaic Batteries (26 31)</b>		
<b>26 31 00 00-0088 Concorde Photovoltaic Batteries (26 31 00 00-0087)</b>		
26 31 00 00-0089 EA 34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T).....	265.82	15.65
26 31 00 00-0090 EA 45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T).....	334.89	20.86
26 31 00 00-0091 EA 49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T).....	363.31	20.86
26 31 00 00-0092 EA 56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T).....	414.38	31.29
26 31 00 00-0093 EA 69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T).....	473.01	31.29
26 31 00 00-0094 EA 89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T).....	561.62	36.51
26 31 00 00-0095 EA 104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T).....	644.12	41.73
26 31 00 00-0096 EA 108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T).....	636.54	41.73
26 31 00 00-0097 EA 210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T).....	1,174.01	49.55
26 31 00 00-0098 EA 255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T).....	1,359.03	52.15
<b>26 31 00 00-0099 Deka Photovoltaic Batteries (26 31 00 00-0087)</b>		
26 31 00 00-0100 EA 31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1).....	276.13	26.13
26 31 00 00-0101 EA 50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF).....	382.64	26.13
26 31 00 00-0102 EA 74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24).....	567.39	26.13
26 31 00 00-0103 EA 86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27).....	649.99	26.13
26 31 00 00-0104 EA 98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31).....	652.16	26.13
26 31 00 00-0105 EA 183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D).....	1,269.47	26.13
26 31 00 00-0106 EA 225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D).....	1,469.44	26.13
<b>26 31 00 00-0107 Battery Enclosures (26 31 00 00-0087)</b>		
26 31 00 00-0108 EA 14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010).....	312.98	26.08
26 31 00 00-0109 EA 22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC).....	1,558.55	26.13
26 31 00 00-0110 EA 37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL).....	1,465.09	26.13
26 31 00 00-0111 EA 37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC).....	1,954.15	26.13
26 31 00 00-0112 EA 15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1).....	867.35	26.13
26 31 00 00-0113 EA 31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP).....	2,047.61	26.13
<b>26 31 00 00-0114 Photovoltaic System Monitoring (26 31)</b>		
26 31 00 00-0115 EA Solar Inverter Monitor (Xantrex 864-0203).....	661.19	52.15
26 31 00 00-0116 EA Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox).....	1,387.28	26.08
26 31 00 00-0117 EA Sun Radiation And Temperature Monitor (SMA Sunny SensorBox).....	1,158.03	26.08
26 31 00 00-0118 EA PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA).....	208.26	26.08
26 31 00 00-0119 EA Wind Sensor Accessory For Sunny SensorBox (SMA).....	517.90	52.15
26 31 00 00-0120 EA Sunny Boy Control with RS485 (SMA).....	1,364.46	26.08
26 31 00 00-0121 EA RS 485 Module (SMA).....	305.14	26.08
26 31 00 00-0122 EA RS 232 Module (SMA).....	312.98	26.08
26 31 00 00-0123 EA Wireless Monitor with Bluetooth (SMA Sunny Beam).....	586.21	
26 31 00 00-0124 EA Bluetooth Piggy-Back Computer Card (SMA).....	317.21	26.08
26 31 00 00-0125 EA RS485-N Communication Computer Card (SMA).....	315.02	26.08
26 31 00 00-0126 EA Bluetooth Repeater (SMA).....	600.90	26.08
26 31 00 00-0127 EA Sunny Boy PC Service Cable (SMA).....	286.67	7.82
26 31 00 00-0128 EA Integrated Revenue Grade Meter, Option (PVPowered).....	5,575.28	
26 31 00 00-0129 EA Data Monitoring Module (PVPowered PVM1010).....	599.62	26.08
26 31 00 00-0130 EA Wireless IG Personal Display (Fronius 4,240,108).....	595.75	
26 31 00 00-0131 EA DatCom Power Supply (Fronius 43,0001,2311).....	195.38	
26 31 00 00-0132 EA Wireless Card For IG Personal Display (Fronius 4,240,008,Z).....	354.23	26.08
26 31 00 00-0133 EA Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z).....	298.59	26.08
26 31 00 00-0134 EA Datalogger Pro Box (Fronius 4,240,102).....	1,193.91	26.08
26 31 00 00-0135 EA Datalogger Easy Box (Fronius 4,240,103).....	774.08	26.08
26 31 00 00-0136 EA Datalogger Interface Box (Fronius 4,240,105).....	1,348.83	26.08
26 31 00 00-0137 EA Datalogger Web (Fronius 4,240,122).....	2,323.02	26.08
26 31 00 00-0138 EA Interface Box (Fronius 4,240,109).....	618.82	26.08
26 31 00 00-0139 EA Interface Card (Fronius 4,240,009,Z).....	439.45	26.08
26 31 00 00-0140 EA Interface Card Easy (Fronius 4,240,013,Z).....	287.29	26.08
26 31 00 00-0141 EA Sensor Box (Fronius 4,240,104).....	1,247.24	26.08
26 31 00 00-0142 EA Ambient Temperature Sensor (Fronius 43,0001,1188).....	131.82	26.08
26 31 00 00-0143 EA Irradiance Sensor (Fronius 43,0001,1188).....	428.41	26.08
26 31 00 00-0144 EA Module Temperature Sensor (Fronius 43,0001,1190).....	477.95	26.08
26 31 00 00-0145 EA Wind Speed Sensor (Fronius 42,0411,0027).....	242.18	52.15
<b>26 31 00 00-0146 Photovoltaic System Accessories (26 31)</b>		
26 31 00 00-0147 EA Four Inverter Bypass Switch (OutBack AC-IOB-100Q).....	911.22	52.15
26 31 00 00-0148 EA Line Communication Filter (Enphase LCF).....	1,988.81	104.31
26 31 00 00-0149 EA 15 Meter RS 485 Communication Cable (SMA).....	152.59	7.82
26 31 00 00-0150 EA 15 Meter RS 232 Communication Cable (SMA).....	230.84	7.82
26 31 00 00-0151 EA 24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	34.52	2.59
26 31 00 00-0152 EA 36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	37.15	2.59
26 31 00 00-0153 EA 48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	38.63	2.59

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 31 Photovoltaic Collectors**MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

26 31 00 00-0154	EA	72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	42.74	2.59
26 31 00 00-0155	EA	120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	48.90	2.59
26 31 00 00-0156	EA	240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	77.27	5.16
26 31 00 00-0157	EA	360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	96.40	5.16
26 31 00 00-0158	EA	420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	126.17	7.75
26 31 00 00-0159	EA	36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	43.77	2.59
26 31 00 00-0160	EA	120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	61.23	2.59
26 31 00 00-0161	EA	240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	89.60	5.16
26 31 00 00-0162	EA	360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	120.41	5.16
26 31 00 00-0163	EA	600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	194.59	10.33
26 31 00 00-0164	EA	1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	203.28	10.33
26 31 00 00-0165	EA	Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery.....	3,622.09	281.64

Note: Tamper proof enclosure.

**26 31 00 00-0166 Photovoltaic Mounting Systems** (26 31)

26 31 00 00-0167	LF	Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard).....	11.96	2.61
26 31 00 00-0168	EA	Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229).....	32.90	13.04
26 31 00 00-0169	EA	Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216).....	42.57	13.04
26 31 00 00-0170	EA	8" x 3/8" Hanger Bolt (UNIRAC 310046).....	22.91	5.21
		Note: Supports mounting rail above tile or metal roof.		
26 31 00 00-0171	EA	Mounting Rail Grounding Clip (UNIRAC 980006).....	10.52	3.91
		Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0172	EA	Mounting Rail Grounding Lugs (UNIRAC 980012).....	23.35	5.21
		Note: Two grounding lugs for each rail splice and one additional lug for each rail.		
26 31 00 00-0173	EA	Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002).....	6.17	1.74
		Note: Four for each row of modules you plan to mount.		
26 31 00 00-0174	EA	Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008).....	6.49	1.74
		Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.		
26 31 00 00-0175	EA	Photovoltaic Module Mount L-Feet (UNIRAC 310065).....	15.85	5.21
26 31 00 00-0176	EA	12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121).....	95.67	26.08
		Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0177	EA	30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122).....	106.62	26.08
		Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0178	EA	44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123).....	115.45	26.08
		Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0179	EA	12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107).....	140.31	39.12
		Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0180	EA	44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108).....	173.17	39.12
		Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0181	EA	72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109).....	202.99	39.12
		Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0182	EA	18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111).....	221.16	52.15
		Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0183	EA	64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112).....	299.67	52.15
		Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0184	EA	104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110).....	419.99	78.23
		Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0185	EA	Ballasted Photovoltaic Module Frame (UNIRAC 310351).....	204.82	
		Note: Excludes ballast.		
26 31 00 00-0186	EA	Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355).....	383.56	
		Note: Excludes ballast.		
26 31 00 00-0187	EA	3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	73.78	26.08
26 31 00 00-0188	EA	4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052).....	74.79	26.08
26 31 00 00-0189	EA	6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	75.71	26.08
26 31 00 00-0190	EA	7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	78.02	26.08
26 31 00 00-0191	EA	3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	67.67	26.08
26 31 00 00-0192	EA	4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	68.84	26.08
26 31 00 00-0193	EA	6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	72.23	26.08
26 31 00 00-0194	EA	7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	71.27	26.08
26 31 00 00-0195	EA	3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390).....	144.57	39.12
26 31 00 00-0196	EA	4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391).....	145.27	39.12
26 31 00 00-0197	EA	7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394).....	147.34	39.12
26 31 00 00-0198	EA	Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370).....	145.18	39.12
26 31 00 00-0199	EA	Photovoltaic Module Standoff Flashing (UNIRAC 990103).....	29.55	5.21
26 31 00 00-0200	EA	Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161).....	18.97	5.21
26 31 00 00-0201	EA	1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100).....	36.59	7.82
26 31 00 00-0202	EA	3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100).....	38.17	7.82
26 31 00 00-0203	EA	Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100).....	10.77	1.74
		Note: Mid or end clamp.		
26 31 00 00-0204	EA	Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024).....	49.89	5.21
26 31 00 00-0205	EA	Photovoltaic Module Wire Clip (UNIRAC 908002S-0100).....	2.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**26 32 Packaged Generator Assemblies** (26 30)

**26 32 13 Engine Generators** (26 32)

See CSI section 23 13 23 13-0001 for fuel storage tanks.

**26 32 13 13 Diesel-Engine-Driven Generator Sets** (26 32 13)

See CSI section 01 22 23 00-0775 for fuel reimbursement for commissioning.

**26 32 13 13-0001 Diesel Generator Sets (Cummins)** (26 32 13 13)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0754 for loadbank rental, 01 22 23 00-0775 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002	EA 25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA).....	30,242.23		927.90
	<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	4,610.18		
	<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	10,848.65		
	<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	14,464.87		
	<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	11,738.33		
	<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	17,026.92		
	<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	22,702.56		
26 32 13 13-0003	EA 35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA).....	33,059.09		1,142.47
	<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	4,610.18		
	<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	10,848.65		
	<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	14,464.87		
	<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	11,738.33		
	<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	17,026.92		
	<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	22,702.56		
26 32 13 13-0004	EA 40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB).....	33,059.72		1,252.66
	<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	4,610.18		
	<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	10,848.65		
	<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	14,464.87		
	<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	11,738.33		
	<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	17,026.92		
	<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	22,702.56		
26 32 13 13-0005	EA 50 KW Diesel Generator Set, 3 Phase (Cummins DSFAA).....	38,779.27		1,438.23
	<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	4,610.18		
	<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	10,848.65		
	<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	14,464.87		
	<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	11,738.33		
	<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	17,026.92		
	<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	22,702.56		
26 32 13 13-0006	EA 60 KW Diesel Generator Set, 3 Phase (Cummins DSFAA).....	41,779.92		1,652.82
	<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	4,610.18		
	<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	10,848.65		
	<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	14,464.87		
	<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	11,738.33		
	<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	17,026.92		
	<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	22,702.56		
26 32 13 13-0007	EA 80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE).....	49,073.21		1,936.98
	<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	4,610.18		
	<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	10,848.65		
	<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	14,464.87		
	<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	11,738.33		
	<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	17,026.92		
	<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	22,702.56		
26 32 13 13-0008	EA 100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA).....	52,744.86		2,250.14
	<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	6,992.67		
	<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	16,586.65		
	<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	22,115.53		
	<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	15,060.49		
	<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	18,105.81		
	<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	24,141.08		
26 32 13 13-0009	EA 125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB).....	53,973.23		2,667.70
	<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	6,992.67		
	<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	16,586.65		
	<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	22,115.53		
	<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	15,060.49		
	<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	18,105.81		
	<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	24,141.08		
26 32 13 13-0010	EA 150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC).....	59,659.30		2,940.27
	<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	6,992.67		
	<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	16,586.65		
	<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	22,115.53		
	<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	15,060.49		
	<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	18,105.81		
	<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	24,141.08		
26 32 13 13-0011	EA 175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB).....	62,677.42		3,282.43
	<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	6,992.67		
	<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	16,586.65		
	<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	22,115.53		
	<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	15,060.49		
	<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	18,105.81		
	<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	24,141.08		

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0012 EA 200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC).....	66,605.72	3,595.60
For Weather Resistant Steel Diesel Generator Enclosure, Add	6,992.67	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	16,586.65	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	22,115.53	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	15,060.49	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,105.81	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	24,141.08	
26 32 13 13-0013 EA 230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD).....	71,792.94	3,798.57
For Weather Resistant Steel Diesel Generator Enclosure, Add	6,992.67	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	16,586.65	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	22,115.53	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	15,060.49	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,105.81	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	24,141.08	
26 32 13 13-0014 EA 250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA).....	74,822.79	3,955.16
For Weather Resistant Steel Diesel Generator Enclosure, Add	45,349.20	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	50,214.73	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	66,952.97	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	55,001.77	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	61,381.07	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	81,841.43	
26 32 13 13-0015 EA 275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA).....	81,413.25	4,169.73
For Weather Resistant Steel Diesel Generator Enclosure, Add	45,349.20	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	50,214.73	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	66,952.97	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	55,001.77	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	61,381.07	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	81,841.43	
26 32 13 13-0016 EA 300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB).....	83,187.95	4,355.31
For Weather Resistant Steel Diesel Generator Enclosure, Add	45,349.20	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	50,214.73	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	66,952.97	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	55,001.77	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	61,381.07	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	81,841.43	
26 32 13 13-0017 EA 350 KW Diesel Generator Set, 3 Phase (Cummins DFEG).....	93,756.75	4,871.45
For Weather Resistant Steel Diesel Generator Enclosure, Add	45,349.20	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	50,214.73	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	66,952.97	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	55,001.77	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	61,381.07	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	81,841.43	
26 32 13 13-0018 EA 400 KW Diesel Generator Set, 3 Phase (Cummins DFEH).....	100,925.27	5,335.40
For Weather Resistant Steel Diesel Generator Enclosure, Add	45,349.20	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	50,214.73	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	66,952.97	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	55,001.77	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	61,381.07	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	81,841.43	
26 32 13 13-0019 EA 450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ).....	113,918.07	5,747.16
For Weather Resistant Steel Diesel Generator Enclosure, Add	45,349.20	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	50,214.73	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	66,952.97	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	55,001.77	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	61,381.07	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	81,841.43	
26 32 13 13-0020 EA 500 KW Diesel Generator Set, 3 Phase (Cummins DFEK).....	119,806.93	6,124.11
For Weather Resistant Steel Diesel Generator Enclosure, Add	45,349.20	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	50,214.73	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	66,952.97	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	55,001.77	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	61,381.07	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	81,841.43	
26 32 13 13-0021 EA 600 KW Diesel Generator Set, 3 Phase (Cummins DQCA).....	174,000.87	6,744.64
For Weather Resistant Steel Diesel Generator Enclosure, Add	92,640.09	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	111,560.32	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	148,747.09	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	108,962.80	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	129,966.09	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	173,288.12	
26 32 13 13-0022 EA 750 KW Diesel Generator Set, 3 Phase (Cummins DQCB).....	199,244.88	7,417.37
For Weather Resistant Steel Diesel Generator Enclosure, Add	92,640.09	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	111,560.32	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	148,747.09	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	108,962.80	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	129,966.09	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	173,288.12	
26 32 13 13-0023 EA 800 KW Diesel Generator Set, 3 Phase (Cummins DQCC).....	208,052.72	7,579.75
For Weather Resistant Steel Diesel Generator Enclosure, Add	92,640.09	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	111,560.32	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	148,747.09	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	108,962.80	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	129,966.09	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	173,288.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0024 EA 900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC).....	253,739.65	8,171.28
For Weather Resistant Steel Diesel Generator Enclosure, Add	92,640.09	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	111,560.32	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	148,747.09	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	108,962.80	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	129,966.09	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	173,288.12	
26 32 13 13-0025 EA 1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD).....	283,477.02	8,699.02
For Weather Resistant Steel Diesel Generator Enclosure, Add	92,640.09	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	111,560.32	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	148,747.09	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	108,962.80	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	129,966.09	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	173,288.12	

**26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)**

**26 32 13 19-0001 Natural Gas Or Propane Generator Sets (Cummins) (26 32 13 19)**

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0754 for loadbank rental, 01 22 23 00-0775 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0002 EA 20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA).....	12,873.72	777.11
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,193.03	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	10,848.65	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	14,464.87	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,541.36	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	7,534.55	
26 32 13 19-0003 EA 25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB).....	14,539.12	927.90
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,193.03	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	10,848.65	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	14,464.87	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,541.36	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	7,534.55	
26 32 13 19-0004 EA 29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC).....	16,770.27	1,032.28
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,193.03	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	10,848.65	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	14,464.87	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,541.36	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	7,534.55	
26 32 13 19-0005 EA 35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA).....	19,014.49	1,142.47
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,193.03	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	10,848.65	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	14,464.87	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	12,845.71	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	21,560.76	
26 32 13 19-0006 EA 40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB).....	21,330.24	1,252.66
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,193.03	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	10,848.65	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	14,464.87	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	12,845.71	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	21,560.76	
26 32 13 19-0007 EA 45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC).....	23,111.74	1,351.24
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,193.03	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	10,848.65	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	14,464.87	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	12,845.71	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	21,560.76	
26 32 13 19-0008 EA 60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE).....	25,299.19	1,652.82
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,193.03	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	10,848.65	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	14,464.87	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	12,845.71	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	21,560.76	
26 32 13 19-0009 EA 70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF).....	27,150.83	1,849.99
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,193.03	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	10,848.65	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	14,464.87	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	12,845.71	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	21,560.76	
26 32 13 19-0010 EA 85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG).....	35,571.44	1,977.58
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	7,642.06	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	16,586.65	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	22,115.53	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	15,060.49	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	21,560.76	
26 32 13 19-0011 EA 100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH).....	42,833.82	2,226.95
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	7,642.06	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	16,586.65	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	22,115.53	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	15,060.49	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	21,560.76	

**26 Electrical**

**26 30 Facility Electrical Power Generating and Storing Equipment**

**26 32 Packaged Generator Assemblies**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0012	EA		125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA).....	49,076.82	2,667.70
			<i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i>	7,642.06	
			<i>For Quiesite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i>	16,586.65	
			<i>For Quiesite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i>	22,115.53	
			<i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	15,060.49	
			<i>For Quiesite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	21,560.76	
26 32 13 19-0013	EA		150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB).....	58,291.17	2,940.27
			<i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i>	7,642.06	
			<i>For Quiesite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i>	16,586.65	
			<i>For Quiesite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i>	22,115.53	
			<i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	15,060.49	
			<i>For Quiesite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	21,560.76	
26 32 13 19-0014	EA		175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA) .....	94,084.18	7,820.88
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	40,782.03	
			<i>For Quiesite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	45,144.39	
			<i>For Quiesite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	60,192.52	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	44,590.15	
			<i>For Quiesite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	66,912.11	
26 32 13 19-0015	EA		205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB) .....	106,777.00	3,531.81
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	40,782.03	
			<i>For Quiesite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	45,144.39	
			<i>For Quiesite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	60,192.52	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	44,590.15	
			<i>For Quiesite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	66,912.11	
26 32 13 19-0016	EA		250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC) .....	114,832.22	3,955.16
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	40,782.03	
			<i>For Quiesite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	45,144.39	
			<i>For Quiesite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	60,192.52	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	44,590.15	
			<i>For Quiesite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	66,912.11	
26 32 13 19-0017	EA		300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA) .....	148,405.57	4,355.31
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	40,782.03	
			<i>For Quiesite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	45,144.39	
			<i>For Quiesite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	60,192.52	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	44,590.15	
			<i>For Quiesite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	66,912.11	
26 32 13 19-0018	EA		350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB) .....	159,311.18	4,871.45
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	40,782.03	
			<i>For Quiesite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	45,144.39	
			<i>For Quiesite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	60,192.52	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	44,590.15	
			<i>For Quiesite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	66,912.11	
26 32 13 19-0019	EA		450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA) .....	223,672.80	5,747.16
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	89,049.14	
			<i>For Quiesite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	94,614.04	
			<i>For Quiesite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	126,152.05	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	101,144.41	
			<i>For Quiesite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	142,952.12	
26 32 13 19-0020	EA		500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB) .....	285,961.79	6,124.11
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	89,049.14	
			<i>For Quiesite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	94,614.04	
			<i>For Quiesite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	126,152.05	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	101,144.41	
			<i>For Quiesite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	142,952.12	
26 32 13 19-0021	EA		550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC).....	319,926.18	6,454.68
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	89,049.14	
			<i>For Quiesite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	94,614.04	
			<i>For Quiesite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	126,152.05	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	101,144.41	
			<i>For Quiesite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	142,952.12	
26 32 13 19-0022	EA		600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA).....	364,325.70	6,744.64
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	89,049.14	
			<i>For Quiesite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	94,614.04	
			<i>For Quiesite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	126,152.05	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	101,144.41	
			<i>For Quiesite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	142,952.12	
26 32 13 19-0023	EA		650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLE).....	380,929.17	6,999.81
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	89,049.14	
			<i>For Quiesite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	94,614.04	
			<i>For Quiesite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	126,152.05	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	101,144.41	
			<i>For Quiesite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	142,952.12	
26 32 13 19-0024	EA		725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLE).....	402,915.27	7,481.16
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	89,049.14	
			<i>For Quiesite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	94,614.04	
			<i>For Quiesite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	126,152.05	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	101,144.41	
			<i>For Quiesite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	142,952.12	
26 32 13 19-0025			<b>Small Natural Gas Or Propane Air Cooled Generator Sets</b> <small>(26 32 13 19)</small>		
26 32 13 19-0026	EA		7.5 KW Natural Gas Or Propane Air Cooled Generator Set .....	4,324.40	483.70
			Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.		
26 32 13 19-0027	EA		10 KW Natural Gas Or Propane Air Cooled Generator Set .....	5,455.49	537.45
			Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.		





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0028	EA			14 KW Natural Gas Or Propane Air Cooled Generator Set ..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,260.30	574.80
<b>26 32 29 Rotary Converters (26 32)</b>						
<b>26 32 29 00-0001 60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output (26 32 29)</b>						
26 32 29 00-0002	EA			3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	9,065.04	208.63
26 32 29 00-0003	EA			5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	11,054.25	208.63
26 32 29 00-0004	EA			7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	14,662.33	208.63
26 32 29 00-0005	EA			10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	14,778.12	208.63
26 32 29 00-0006	EA			15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	16,396.57	260.78
26 32 29 00-0007	EA			20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	17,763.34	260.78
26 32 29 00-0008	EA			25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	18,603.83	260.78
26 32 29 00-0009	EA			40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	22,646.28	344.22
26 32 29 00-0010	EA			50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	25,180.15	344.22
<b>26 32 29 00-0011 60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output (26 32 29)</b>						
26 32 29 00-0012	EA			3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	10,505.13	208.63
26 32 29 00-0013	EA			5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	12,537.98	208.63
26 32 29 00-0014	EA			7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	14,349.00	208.63
26 32 29 00-0015	EA			10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	14,748.73	208.63
26 32 29 00-0016	EA			15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	16,698.98	260.78
26 32 29 00-0017	EA			20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	18,372.11	260.78
26 32 29 00-0018	EA			25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	18,980.87	260.78
26 32 29 00-0019	EA			40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	22,555.95	344.22
26 32 29 00-0020	EA			50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	23,934.50	344.22
<b>26 32 29 00-0021 460 Volt 3 Phase AC Motor Drive 250 Volt DC (26 32 29)</b>						
26 32 29 00-0022	EA			33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	25,652.82	4,059.54
26 32 29 00-0023	EA			40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	28,362.10	4,059.54
26 32 29 00-0024	EA			50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	32,213.63	5,799.35
26 32 29 00-0025	EA			65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	37,690.67	5,799.35
26 32 29 00-0026	EA			85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	42,861.83	5,799.35
26 32 29 00-0027	EA			100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	50,188.77	8,699.02
26 32 29 00-0028	EA			125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	60,673.27	8,699.02
<b>26 32 29 00-0029 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC (26 32 29)</b>						
26 32 29 00-0030	EA			170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	89,514.64	11,598.70
26 32 29 00-0031	EA			200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	97,504.07	11,598.70
26 32 29 00-0032	EA			240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	117,349.69	15,078.30
26 32 29 00-0033	EA			320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	133,334.27	18,325.95
26 32 29 00-0034	EA			400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	158,132.77	18,325.95
26 32 29 00-0035	EA			560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	224,502.82	27,372.93
26 32 29 00-0036	EA			640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	231,943.73	27,372.93
26 32 29 00-0037	EA			800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	267,316.06	31,896.41
<b>26 33 Battery Equipment (26 30)</b>						
<b>26 33 13 Batteries (26 33)</b>						
<b>26 33 13 00-0001 Standby Batteries (26 33 13)</b>						
26 33 13 00-0002	EA			12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery .....	1,110.25	26.13
26 33 13 00-0003	EA			12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket.....	1,199.91	26.13
26 33 13 00-0004	EA			725CCA, Group 31, 12 Volt Lead Calcium Standby Battery .....	267.99	26.13
26 33 13 00-0005	EA			810CCA, Group 24, 12 Volt Lead Calcium Standby Battery .....	244.27	26.13
26 33 13 00-0006	EA			1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery .....	413.46	26.13
26 33 13 00-0007	EA			1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery .....	479.02	26.13
<b>26 33 43 Battery Chargers (26 33)</b>						
<b>26 33 43 00-0001 Solid State Chargers, Single Phase (26 33 43)</b>						
Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.						
26 33 43 00-0002	EA			Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,052.64	595.57
26 33 43 00-0003	EA			Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,575.79	595.57
26 33 43 00-0004	EA			Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,938.49	595.57
26 33 43 00-0005	EA			Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	4,161.01	705.15
<b>26 33 53 Static Uninterruptible Power Supply (26 33)</b>						
<b>26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)</b>						
<b>26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53 00-0001)</b>						

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 33 Battery Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 33 53 00-0003</b> <b>120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)</b> <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0004 EA 0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120).....	1,022.57	103.27
Note: Includes 12 minutes of battery backup at full load.		
26 33 53 00-0005 EA 0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120).....	1,221.80	120.48
Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0006 EA 1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120).....	1,507.20	137.69
Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0007 EA 1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120).....	1,842.72	154.90
Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0008 EA 2 kVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120).....	2,367.63	172.11
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0009 EA 3 kVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120).....	3,821.29	206.54
Note: Includes 4 minutes of battery backup at full load.		
<b>26 33 53 00-0010</b> <b>208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)</b> <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011 EA 3 kVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208).....	3,750.50	206.54
Note: Includes 4 minutes of battery backup at full load.		
<b>26 33 53 00-0012</b> <b>120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)</b> <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013 EA 5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208).....	5,790.49	275.38
Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0014 EA 6 kVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208).....	6,331.35	309.81
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0015 EA 8 kVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208).....	9,476.89	378.65
Note: Includes 7 minutes of battery backup at full load.		
26 33 53 00-0016 EA 10 kVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208).....	10,896.34	413.07
Note: Includes 4-1/2 minutes of battery backup at full load.		
<b>26 33 53 00-0017</b> <b>230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)</b> <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018 EA 0.7 kVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230).....	1,221.80	120.48
Note: Includes 11 minutes of battery backup at full load.		
26 33 53 00-0019 EA 1 kVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230).....	1,507.20	137.69
Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0020 EA 1.5 kVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230).....	1,863.63	154.90
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0021 EA 2 kVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230).....	2,372.67	172.11
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0022 EA 3 kVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230).....	3,837.01	206.54
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0023 EA 5 kVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230).....	5,554.08	275.38
Note: Includes 9 minutes of battery backup at full load.		
26 33 53 00-0024 EA 6 kVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230).....	6,822.85	309.81
Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0025 EA 10 kVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230).....	10,558.40	413.07
Note: Includes 3 minutes of battery backup at full load.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 33 53 00-0026</b>	<b>Optional Accessories For Single Phase, Uninterruptible Power Supply Systems</b> <small>(26 33 53 00-0001)</small>	
26 33 53 00-0027 EA External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT).....	683.75	31.29
Note: Rack mount or tower configuration.		
26 33 53 00-0028 EA External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT).....	896.40	31.29
Note: Rack mount or tower configuration.		
26 33 53 00-0029 EA External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT).....	872.73	31.29
Note: Rack mount or tower configuration.		
26 33 53 00-0030 EA External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT).....	592.15	31.29
Note: Rack mount or tower configuration.		
26 33 53 00-0031 EA Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT).....	867.03	103.27
26 33 53 00-0032 EA Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT).....	971.34	137.69
<b>26 33 53 00-0033</b>	<b>Three Phase, Uninterruptible Power Supply Systems (UPS)</b> <small>(26 33 53)</small>	
<b>26 33 53 00-0034</b>	<b>208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery</b> <small>(26 33 53 00-0033)</small>	
Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035 EA 10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	38,627.66	413.07
26 33 53 00-0036 EA 15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	42,746.38	550.76
26 33 53 00-0037 EA 20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	47,767.90	688.46
26 33 53 00-0038 EA 30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	51,796.35	826.14
26 33 53 00-0039 EA 40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	62,324.95	963.84
<b>26 33 53 00-0040</b>	<b>208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery</b> <small>(26 33 53 00-0033)</small>	
Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041 EA 60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	84,501.52	1,642.90
26 33 53 00-0042 EA 80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	91,818.03	2,034.06
26 33 53 00-0043 EA 100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	101,528.02	2,373.08
26 33 53 00-0044 EA 120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	125,432.10	2,686.01
26 33 53 00-0045 EA 140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	130,176.69	2,998.94
26 33 53 00-0046 EA 160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	135,336.67	3,311.88
26 33 53 00-0047 EA 180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	141,580.03	3,624.81
26 33 53 00-0048 EA 200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	147,823.38	3,937.74
<b>26 33 53 00-0049</b>	<b>480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery</b> <small>(26 33 53 00-0033)</small>	
Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050 EA 50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	78,898.21	1,356.04
26 33 53 00-0051 EA 100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	102,069.70	2,383.51
26 33 53 00-0052 EA 150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	139,612.01	2,753.81
26 33 53 00-0053 EA 200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	164,509.16	3,025.02
26 33 53 00-0054 EA 250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	192,475.84	3,337.95
<b>26 33 53 00-0055</b>	<b>Optional Accessories For Three Phase, Uninterruptible Power Supply Systems</b> <small>(26 33 53 00-0033)</small>	
26 33 53 00-0056 EA Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems.....	607.95	52.15
26 33 53 00-0057 EA Network Interface Card For Three Phase Uninterruptible Power Supply Systems.....	981.04	52.15
26 33 53 00-0058 EA Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems.....	1,874.63	104.31
26 33 53 00-0059 EA Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems.....	5,819.39	417.24
26 33 53 00-0060 EA 12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	586.99	52.15

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 33 Battery Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0061 EA 12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	319.12	52.15
26 33 53 00-0062 EA 12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	358.21	52.15
26 33 53 00-0063 EA 12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	397.30	52.15
26 33 53 00-0064 EA 12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	467.66	52.15
26 33 53 00-0065 EA 12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	491.11	52.15
26 33 53 00-0066 EA 12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	612.28	52.15
26 33 53 00-0067 EA 12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	641.60	52.15
<b>26 33 53 00-0068 Other Uninterruptable Power Supply Equipment (26 33 53)</b>		
26 33 53 00-0069 EA Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	5,756.11	95.29
26 33 53 00-0070 EA Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	6,906.26	190.58
26 33 53 00-0071 EA 1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	28.70	5.72
26 33 53 00-0072 EA 2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	52.67	7.15
26 33 53 00-0073 EA 2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	100.65	7.15
26 33 53 00-0074 EA 3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	147.64	9.53
26 33 53 00-0075 EA 3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	210.97	9.53
26 33 53 00-0076 EA Uninterrupted Power Supply Remote Status Panel.....	3,932.92	95.29
26 33 53 00-0077 EA Uninterrupted Power Supply Remote Contact Board.....	1,294.41	71.47
<b>26 35 Power Filters and Conditioners (26 30)</b>		
<b>26 35 33 Power Factor Correction Equipment (26 35)</b>		
<b>26 35 33 16 Low-Voltage Power Factor Correction Equipment (26 35 33)</b>		
<b>26 35 33 16-0001 Power Factor Correction Capacitors (26 35 33 16)</b>		
26 35 33 16-0002 EA Power Factor Correction Capacitors, 2.0 KVAC.....	710.08	
26 35 33 16-0003 EA Power Factor Correction Capacitors, 3.0 KVAC.....	786.43	
26 35 33 16-0004 EA Power Factor Correction Capacitors, 4.0 KVAC.....	862.78	
26 35 33 16-0005 EA Power Factor Correction Capacitors, 5.0 KVAC.....	936.08	
26 35 33 16-0006 EA Power Factor Correction Capacitors, 7.5 KVAC.....	1,149.87	
26 35 33 16-0007 EA Power Factor Correction Capacitors, 10.0 KVAC.....	1,404.89	
26 35 33 16-0008 EA Power Factor Correction Capacitors, 15.0 KVAC.....	2,169.94	
26 35 33 16-0009 EA Power Factor Correction Capacitors, 20.0 KVAC.....	2,635.69	
26 35 33 16-0010 EA Power Factor Correction Capacitors, 25.0 KVAC.....	3,405.33	
26 35 33 16-0011 EA Power Factor Correction Capacitors, 30.0 KVAC.....	3,872.60	
26 35 33 16-0012 EA Power Factor Correction Capacitors, 50.0 KVAC.....	6,795.38	
26 35 33 16-0013 EA Power Factor Correction Capacitors, 75.0 KVAC.....	10,217.50	
26 35 33 16-0014 EA Power Factor Correction Capacitors, 100.0 KVAC.....	13,624.36	
26 35 33 16-0015 EA Power Factor Correction Capacitors, Fuse Kit.....	632.20	
<b>26 35 43 Static-Frequency Converters (26 35)</b>		
<b>26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure (26 35 43)</b>		
26 35 43 00-0002 EA 750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure.....	646.61	104.31
26 35 43 00-0003 EA 2 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,133.56	125.17
26 35 43 00-0004 EA 3 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,298.61	166.90
26 35 43 00-0005 EA 5 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,785.50	208.63
26 35 43 00-0006 EA 7 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,462.58	271.21
26 35 43 00-0007 EA 11 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,185.65	333.80
26 35 43 00-0008 EA 15 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,000.71	396.38
26 35 43 00-0009 EA 21 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,886.88	448.54
26 35 43 00-0010 EA 29 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	5,672.54	542.41
26 35 43 00-0011 EA 36 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	6,498.02	610.22
26 35 43 00-0012 EA 44 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	7,323.50	678.02
26 35 43 00-0013 EA 55 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	9,099.88	818.84
26 35 43 00-0014 EA 74 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	11,848.26	985.74
26 35 43 00-0015 EA 87 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	15,035.45	1,199.58
26 35 43 00-0016 EA 110 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	17,189.97	1,402.98
26 35 43 00-0017 EA 125 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	22,204.53	1,564.67
26 35 43 00-0018 EA 165 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	34,119.78	1,773.28
26 35 43 00-0019 EA 220 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	51,094.15	1,981.91
<b>26 35 53 Voltage Regulators (26 35)</b>		
<b>26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase (26 35 53)</b>		
Note: For diesel motor generator sets mounted in switchgear cabinet.		
26 35 53 00-0002 EA 50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	6,445.77	1,658.55
26 35 53 00-0003 EA 75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	7,308.86	2,086.22
26 35 53 00-0004 EA 100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	8,103.61	2,482.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**26 36 Transfer Switches** (26 30)

**26 36 13 Manual Transfer Switches** (26 36)

**26 36 13 00-0001 Fused Manual Transfer Switches** (26 36 13)

26 36 13 00-0002	EA	30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,285.63	182.55
26 36 13 00-0003	EA	60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,493.63	226.77

**26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure**

<small>(26 36 13)</small>				
26 36 13 00-0005	EA	40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	2,668.54	268.72
		<i>For NEMA 3R Enclosure, Add</i>	<i>838.64</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>789.30</i>	
26 36 13 00-0006	EA	70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	2,960.54	322.47
		<i>For NEMA 3R Enclosure, Add</i>	<i>838.64</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>789.30</i>	
26 36 13 00-0007	EA	125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	3,362.01	376.21
		<i>For NEMA 3R Enclosure, Add</i>	<i>838.64</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>789.30</i>	
26 36 13 00-0008	EA	150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	4,168.43	429.95
		<i>For NEMA 3R Enclosure, Add</i>	<i>986.63</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>789.30</i>	
26 36 13 00-0009	EA	225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225).....	5,151.78	483.70
		<i>For NEMA 3R Enclosure, Add</i>	<i>986.63</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>789.30</i>	
26 36 13 00-0010	EA	260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260).....	5,791.14	537.45
		<i>For NEMA 3R Enclosure, Add</i>	<i>986.63</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>789.30</i>	
26 36 13 00-0011	EA	300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	6,440.44	591.20
		<i>For NEMA 3R Enclosure, Add</i>	<i>1,164.22</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>986.63</i>	
26 36 13 00-0012	EA	400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	7,553.78	644.93
		<i>For NEMA 3R Enclosure, Add</i>	<i>1,164.22</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>986.63</i>	
26 36 13 00-0013	EA	600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600).....	9,982.90	806.17
		<i>For NEMA 3R Enclosure, Add</i>	<i>1,164.22</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>986.63</i>	
26 36 13 00-0014	EA	800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800).....	11,240.66	967.40
		<i>For NEMA 3R Enclosure, Add</i>	<i>1,430.60</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>1,381.28</i>	
26 36 13 00-0015	EA	1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000).....	15,055.52	1,391.84
		<i>For NEMA 3R Enclosure, Add</i>	<i>1,430.60</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>1,381.28</i>	

**26 36 23 Automatic Transfer Switches** (26 36)

**26 36 23 00-0001 Automatic Transfer Switch** (26 36 23)

**26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure** (26 36 23)

<small>00-0001</small>				
Note: Programmable, 120/240 volt single phase, 3 wire.				
26 36 23 00-0003	EA	100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	2,431.65	376.21
26 36 23 00-0004	EA	225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	3,303.71	483.70
26 36 23 00-0005	EA	400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	5,232.40	644.93
26 36 23 00-0006	EA	600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	8,472.35	806.17

**26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure** (26 36 23)

<small>00-0001</small>				
26 36 23 00-0008	EA	40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40).....	3,958.41	268.72
		<i>For NEMA 3R Enclosure, Add</i>	<i>838.64</i>	
		<i>For NEMA 4 Enclosure, Add</i>	<i>887.96</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>887.96</i>	
26 36 23 00-0009	EA	70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70).....	4,571.51	322.47
		<i>For NEMA 3R Enclosure, Add</i>	<i>838.64</i>	
		<i>For NEMA 4 Enclosure, Add</i>	<i>887.96</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>887.96</i>	
26 36 23 00-0010	EA	125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125).....	5,028.16	376.21
		<i>For NEMA 3R Enclosure, Add</i>	<i>838.64</i>	
		<i>For NEMA 4 Enclosure, Add</i>	<i>887.96</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>887.96</i>	
26 36 23 00-0011	EA	150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150).....	5,979.58	429.95
		<i>For NEMA 3R Enclosure, Add</i>	<i>986.63</i>	
		<i>For NEMA 4 Enclosure, Add</i>	<i>1,282.61</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>887.96</i>	
26 36 23 00-0012	EA	225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225).....	6,826.98	483.70
		<i>For NEMA 3R Enclosure, Add</i>	<i>986.63</i>	
		<i>For NEMA 4 Enclosure, Add</i>	<i>1,282.61</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>887.96</i>	
26 36 23 00-0013	EA	260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260).....	7,534.18	537.45
		<i>For NEMA 3R Enclosure, Add</i>	<i>986.63</i>	
		<i>For NEMA 4 Enclosure, Add</i>	<i>1,282.61</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>887.96</i>	

**26 Electrical**

**26 30 Facility Electrical Power Generating and Storing Equipment**

**26 36 Transfer Switches**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0014	EA		300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300).....	7,875.94	591.20
			<i>For NEMA 3R Enclosure, Add</i>	1,164.22	
			<i>For NEMA 4 Enclosure, Add</i>	1,381.28	
			<i>For NEMA 12 Enclosure, Add</i>	986.63	
26 36 23 00-0015	EA		400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400).....	8,904.24	644.93
			<i>For NEMA 3R Enclosure, Add</i>	1,164.22	
			<i>For NEMA 4 Enclosure, Add</i>	1,381.28	
			<i>For NEMA 12 Enclosure, Add</i>	986.63	
26 36 23 00-0016	EA		600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600).....	12,193.58	806.17
			<i>For NEMA 3R Enclosure, Add</i>	1,164.22	
			<i>For NEMA 4 Enclosure, Add</i>	1,381.28	
			<i>For NEMA 12 Enclosure, Add</i>	986.63	
26 36 23 00-0017	EA		800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800).....	13,682.00	967.40
			<i>For NEMA 3R Enclosure, Add</i>	1,430.60	
			<i>For NEMA 4 Enclosure, Add</i>	1,578.61	
			<i>For NEMA 12 Enclosure, Add</i>	1,381.28	
26 36 23 00-0018	EA		1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000).....	17,909.32	1,391.84
			<i>For NEMA 3R Enclosure, Add</i>	1,430.60	
			<i>For NEMA 4 Enclosure, Add</i>	1,578.61	
			<i>For NEMA 12 Enclosure, Add</i>	1,381.28	
26 36 23 00-0019	EA		1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200).....	23,199.33	1,507.84
			<i>For NEMA 3R Enclosure, Add</i>	3,157.20	
			<i>For NEMA 4 Enclosure, Add</i>	1,775.92	
			<i>For NEMA 12 Enclosure, Add</i>	1,479.94	
26 36 23 00-0020	EA		1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600).....	24,753.26	1,739.81
			<i>For NEMA 3R Enclosure, Add</i>	5,130.44	
			<i>For NEMA 4 Enclosure, Add</i>	6,314.39	
			<i>For NEMA 12 Enclosure, Add</i>	5,130.44	
26 36 23 00-0021	EA		2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000).....	28,299.70	1,971.78
			<i>For NEMA 3R Enclosure, Add</i>	5,130.44	
			<i>For NEMA 4 Enclosure, Add</i>	6,314.39	
			<i>For NEMA 12 Enclosure, Add</i>	5,130.44	
26 36 23 00-0022	EA		3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000).....	34,186.89	2,435.72
			<i>For NEMA 3R Enclosure, Add</i>	5,130.44	
26 36 23 00-0023	EA		4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000).....	59,141.92	2,899.67
			<i>For NEMA 3R Enclosure, Add</i>	24,113.04	
26 36 23 00-0024			<b>Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure</b> <small>(26 36 23 00-0001)</small>		
26 36 23 00-0025	EA		150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)....	19,765.44	2,042.29
			<i>For NEMA 3R Enclosure, Add</i>	1,726.60	
			<i>For NEMA 4 Enclosure, Add</i>	1,775.92	
			<i>For NEMA 12 Enclosure, Add</i>	937.30	
26 36 23 00-0026	EA		225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)....	20,633.67	2,149.78
			<i>For NEMA 3R Enclosure, Add</i>	1,726.60	
			<i>For NEMA 4 Enclosure, Add</i>	1,775.92	
			<i>For NEMA 12 Enclosure, Add</i>	937.30	
26 36 23 00-0027	EA		260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)....	21,630.22	2,257.28
			<i>For NEMA 3R Enclosure, Add</i>	1,726.60	
			<i>For NEMA 4 Enclosure, Add</i>	1,775.92	
			<i>For NEMA 12 Enclosure, Add</i>	937.30	
26 36 23 00-0028	EA		300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300)....	24,133.61	2,311.01
			<i>For NEMA 3R Enclosure, Add</i>	1,726.60	
			<i>For NEMA 4 Enclosure, Add</i>	1,775.92	
			<i>For NEMA 12 Enclosure, Add</i>	937.30	
26 36 23 00-0029	EA		400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400)....	27,842.15	2,364.76
			<i>For NEMA 3R Enclosure, Add</i>	1,726.60	
			<i>For NEMA 4 Enclosure, Add</i>	1,775.92	
			<i>For NEMA 12 Enclosure, Add</i>	937.30	
26 36 23 00-0030	EA		600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600)....	33,416.27	2,472.25
			<i>For NEMA 3R Enclosure, Add</i>	1,726.60	
			<i>For NEMA 4 Enclosure, Add</i>	1,775.92	
			<i>For NEMA 12 Enclosure, Add</i>	986.63	
26 36 23 00-0031	EA		800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800)....	36,832.84	2,579.74
			<i>For NEMA 3R Enclosure, Add</i>	1,775.92	
			<i>For NEMA 4 Enclosure, Add</i>	1,775.92	
			<i>For NEMA 12 Enclosure, Add</i>	1,085.29	
26 36 23 00-0032	EA		1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000).....	46,271.83	3,009.69
			<i>For NEMA 3R Enclosure, Add</i>	1,775.92	
			<i>For NEMA 4 Enclosure, Add</i>	1,775.92	
			<i>For NEMA 12 Enclosure, Add</i>	1,085.29	
26 36 23 00-0033	EA		1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200).....	60,846.44	3,479.61
			<i>For NEMA 3R Enclosure, Add</i>	7,892.98	
			<i>For NEMA 4 Enclosure, Add</i>	9,866.22	
			<i>For NEMA 12 Enclosure, Add</i>	7,892.98	
26 36 23 00-0034	EA		1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600).....	79,304.20	3,711.59
			<i>For NEMA 3R Enclosure, Add</i>	16,772.57	
			<i>For NEMA 4 Enclosure, Add</i>	16,772.57	
			<i>For NEMA 12 Enclosure, Add</i>	15,628.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0035 EA 2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000).....	90,032.28	4,059.54
<i>For NEMA 3R Enclosure, Add</i>	16,772.57	
<i>For NEMA 4 Enclosure, Add</i>	16,772.57	
<i>For NEMA 12 Enclosure, Add</i>	15,628.10	
26 36 23 00-0036 EA 3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	143,816.54	4,639.48
<i>For NEMA 3R Enclosure, Add</i>	20,719.06	
26 36 23 00-0037 EA 4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	155,254.72	5,219.41
<i>For NEMA 3R Enclosure, Add</i>	20,719.06	
<b>26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure</b> <small>(26 36 23 00-0001)</small>		
26 36 23 00-0039 EA 40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	6,447.68	268.72
<i>For NEMA 3R Enclosure, Add</i>	493.31	
<i>For NEMA 12 Enclosure, Add</i>	887.96	
26 36 23 00-0040 EA 70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	6,974.87	322.47
<i>For NEMA 3R Enclosure, Add</i>	493.31	
<i>For NEMA 12 Enclosure, Add</i>	887.96	
26 36 23 00-0041 EA 125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	7,501.17	376.21
<i>For NEMA 3R Enclosure, Add</i>	493.31	
<i>For NEMA 12 Enclosure, Add</i>	887.96	
26 36 23 00-0042 EA 150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	9,007.05	429.95
<i>For Four Pole Circuit Breaker, Add</i>	2,466.56	
<i>For NEMA 3R Enclosure, Add</i>	493.31	
<i>For NEMA 12 Enclosure, Add</i>	887.96	
26 36 23 00-0043 EA 225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	11,723.22	483.70
<i>For Four Pole Circuit Breaker, Add</i>	2,466.56	
<i>For NEMA 3R Enclosure, Add</i>	493.31	
<i>For NEMA 12 Enclosure, Add</i>	887.96	
26 36 23 00-0044 EA 250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	12,482.89	537.45
<i>For Four Pole Circuit Breaker, Add</i>	2,466.56	
<i>For NEMA 3R Enclosure, Add</i>	493.31	
<i>For NEMA 12 Enclosure, Add</i>	887.96	
26 36 23 00-0045 EA 300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	12,983.85	591.20
<i>For Four Pole Circuit Breaker, Add</i>	3,354.52	
<i>For NEMA 3R Enclosure, Add</i>	1,282.61	
<i>For NEMA 12 Enclosure, Add</i>	986.63	
26 36 23 00-0046 EA 400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	14,691.45	644.93
<i>For Four Pole Circuit Breaker, Add</i>	3,354.52	
<i>For NEMA 3R Enclosure, Add</i>	1,282.61	
<i>For NEMA 12 Enclosure, Add</i>	986.63	
26 36 23 00-0047 EA 600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	17,827.92	806.17
<i>For Four Pole Circuit Breaker, Add</i>	3,354.52	
<i>For NEMA 3R Enclosure, Add</i>	1,282.61	
<i>For NEMA 12 Enclosure, Add</i>	986.63	
26 36 23 00-0048 EA 800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	18,580.96	967.40
<i>For Four Pole Circuit Breaker, Add</i>	4,785.12	
<i>For NEMA 3R Enclosure, Add</i>	2,210.04	
<i>For NEMA 12 Enclosure, Add</i>	1,381.28	
26 36 23 00-0049 EA 1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	22,142.54	1,391.84
<i>For Four Pole Circuit Breaker, Add</i>	4,785.12	
<i>For NEMA 3R Enclosure, Add</i>	2,210.04	
<i>For NEMA 12 Enclosure, Add</i>	1,381.28	
<b>26 36 23 00-0050 Accessories</b> <small>(26 36 23)</small>		
26 36 23 00-0051 EA Auxiliary Contacts For Automatic Transfer Switch .....	228.90	
26 36 23 00-0052 EA Battery Charger For Automatic Transfer Switch .....	1,874.59	
26 36 23 00-0053 EA Elevator Relay Signal For Automatic Transfer Switch .....	680.77	
<b>26 40 Electrical And Cathodic Protection</b> <small>(26)</small>		
<b>26 43 Surge Protective Devices</b> <small>(26 40)</small>		
<b>26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits</b> <small>(26 43)</small>		
26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small>		
Note: Liebert LPL		
26 43 13 00-0002 EA 120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	217.75	26.08

**26 Electrical****26 40 Electrical And Cathodic Protection****26 43 Surge Protective Devices**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 43 13 00-0003	EA	208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor .....	234.55	26.08
26 43 13 00-0004	EA	240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	244.99	31.29
26 43 13 00-0005	EA	277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	202.53	20.86
26 43 13 00-0006	EA	480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	244.99	31.29
<b>26 43 13 00-0007</b>		<b>50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)</b>		
		Note: Liebert LPL		
26 43 13 00-0008	EA	120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	300.55	26.08
26 43 13 00-0009	EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	320.59	31.29
26 43 13 00-0010	EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor .....	310.15	26.08
26 43 13 00-0011	EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	320.59	31.29
<b>26 43 13 00-0012</b>		<b>100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)</b>		
		Note: Liebert LPL		
26 43 13 00-0013	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	362.95	26.08
26 43 13 00-0014	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	382.99	31.29
26 43 13 00-0015	EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor .....	338.13	20.86
26 43 13 00-0016	EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	382.99	31.29
<b>26 43 13 00-0017</b>		<b>100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13)</b>		
		Note: Liebert LPM		
26 43 13 00-0018	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	427.75	26.08
26 43 13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor .....	482.59	31.29
26 43 13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor .....	404.13	20.86
<b>26 43 13 00-0021</b>		<b>160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13)</b>		
		Note: Liebert LPM		
26 43 13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	752.59	31.29
26 43 13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor .....	742.15	26.08
26 43 13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor .....	752.59	31.29
<b>26 43 13 00-0025</b>		<b>250 kA, 500 Joule Transient Voltage Surge Suppression (26 43 13)</b>		
		Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	7,344.42	52.15
26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	8,986.02	52.15
<b>26 43 13 00-0028</b>		<b>Class 1310 Transient Voltage Surge Suppression (26 43 13)</b>		
		Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
<b>26 43 13 00-0029</b>		<b>NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0029)</b>		
		Note: Square D. EMA series.		
26 43 13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,515.60	135.61
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,878.44	156.46
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,660.39	182.55
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,525.76	208.63
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,133.26	286.86
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,667.60	135.61
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,045.42	156.46
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,918.37	182.55
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,860.80	208.63
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,650.26	286.86
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,667.60	135.61
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,045.42	156.46
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Electrical And Cathodic Protection</b>	<b>26 40</b>	
<b>Surge Protective Devices</b>	<b>26 43</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0042 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,918.32	182.55
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0043 EA 320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,860.80	208.63
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0044 EA 480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,650.26	286.86
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0045 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,819.63	135.61
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0046 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,214.55	156.46
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0047 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,178.47	182.55
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0048 EA 320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,198.05	208.63
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0049 EA 480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	12,169.37	286.86
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0050 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,996.24	135.61
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0051 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,390.14	156.46
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0052 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,450.35	182.55
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0053 EA 320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,551.28	208.63
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0054 EA 480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,978.27	286.86
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
<b>26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor</b> <sup>(26</sup>		
<small>43 13 00-0028)</small>		
Note: Square D EBA series.		
26 43 13 00-0056 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,744.94	135.61
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0057 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,315.45	156.46
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0058 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,853.32	182.55
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0059 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,831.64	135.61
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0060 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,443.90	156.46
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0061 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	5,021.37	182.55
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0062 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,831.64	135.61
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0063 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,443.90	156.46
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0064 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	5,021.37	182.55
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0065 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,941.90	135.61
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0066 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,581.98	156.46
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0067 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	5,236.52	182.55
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0068 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,057.51	135.61
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0069 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,728.62	156.46
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	

<b>26</b>	<b>Electrical</b>
<b>26 40</b>	<b>Electrical And Cathodic Protection</b>
<b>26 43</b>	<b>Surge Protective Devices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0070 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,462.37 265.68 203.04	182.55
<b>26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor</b> (26 43 13 00-0028) Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,527.13 265.68 203.04	135.61
26 43 13 00-0073 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,889.97 265.68 203.04	156.46
26 43 13 00-0074 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,671.92 265.68 203.04	182.55
26 43 13 00-0075 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,679.13 265.68 203.04	135.61
26 43 13 00-0076 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,056.95 265.68 203.04	156.46
26 43 13 00-0077 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,929.90 265.68 203.04	182.55
26 43 13 00-0078 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,679.13 265.68 203.04	135.61
26 43 13 00-0079 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,056.95 265.68 203.04	156.46
26 43 13 00-0080 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,929.85 265.68 203.04	182.55
26 43 13 00-0081 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,831.15 265.68 203.04	135.61
26 43 13 00-0082 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,226.08 265.68 203.04	156.46
26 43 13 00-0083 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,190.00 265.68 203.04	182.55
26 43 13 00-0084 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,007.77 265.68 203.04	135.61
26 43 13 00-0085 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,401.66 265.68 203.04	156.46
26 43 13 00-0086 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,461.88 265.68 203.04	182.55
<b>26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor</b> (26 43 13 00-0028) Note: Square D EBA series. Stainless steel.		
26 43 13 00-0088 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,756.47 265.68 203.04	135.61
26 43 13 00-0089 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,326.98 265.68 203.04	156.46
26 43 13 00-0090 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,864.85 265.68 203.04	182.55
26 43 13 00-0091 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,843.17 265.68 203.04	135.61
26 43 13 00-0092 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,455.43 265.68 203.04	156.46
26 43 13 00-0093 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,032.90 265.68 203.04	182.55
26 43 13 00-0094 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,843.17 265.68 203.04	135.61
26 43 13 00-0095 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,455.43 265.68 203.04	156.46
26 43 13 00-0096 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,032.90 265.68 203.04	182.55



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Electrical And Cathodic Protection</b>	<b>26 40</b>	
<b>Surge Protective Devices</b>	<b>26 43</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0097	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,953.43 265.68 203.04	135.61
26 43 13 00-0098	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,593.51 265.68 203.04	156.46
26 43 13 00-0099	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,248.05 265.68 203.04	182.55
26 43 13 00-0100	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,069.03 265.68 203.04	135.61
26 43 13 00-0101	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,740.15 265.68 203.04	156.46
26 43 13 00-0102	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,473.90 265.68 203.04	182.55

**26 43 23 Surge Protective Devices for Lightning Protection (26 43)**

**26 43 23 00-0001 Surge And Lightning Arrestors (26 43 23)**

**26 43 23 00-0002 Metal Top Intermediate Type IMX (26 43 23 00-0001)**

Note: For outdoor construction, single phase.

26 43 23 00-0003	EA		3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	972.41	246.10
26 43 23 00-0004	EA		4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,047.11	246.10
26 43 23 00-0005	EA		6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,047.11	246.10
26 43 23 00-0006	EA		7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,185.83	246.10
26 43 23 00-0007	EA		9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,185.83	246.10
26 43 23 00-0008	EA		10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,301.09	246.10
26 43 23 00-0009	EA		12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,301.09	246.10
26 43 23 00-0010	EA		15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,765.62	307.62
26 43 23 00-0011	EA		18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	1,825.38	307.62
26 43 23 00-0012	EA		21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	2,016.32	369.14
26 43 23 00-0013	EA		24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	2,169.99	369.14
26 43 23 00-0014	EA		27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase .....	2,556.29	369.14

**26 43 23 00-0015 Porcelain Top Intermediate Type IMX (26 43 23 00-0001)**

Note: For cubicle mounting, single phase.

26 43 23 00-0016	EA		3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	972.41	246.10
26 43 23 00-0017	EA		4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,047.11	246.10
26 43 23 00-0018	EA		6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,047.11	246.10
26 43 23 00-0019	EA		7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,185.83	246.10
26 43 23 00-0020	EA		9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,185.83	246.10
26 43 23 00-0021	EA		10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,301.09	246.10
26 43 23 00-0022	EA		12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,301.09	246.10
26 43 23 00-0023	EA		15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,765.62	307.62
26 43 23 00-0024	EA		18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	1,825.38	307.62
26 43 23 00-0025	EA		21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	2,016.32	369.14
26 43 23 00-0026	EA		24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	2,169.99	369.14
26 43 23 00-0027	EA		27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase .....	2,556.29	369.14

**26 43 23 00-0028 IMX Accessories (26 43 23 00-0001)**

26 43 23 00-0029	EA		1 Crossarm Bracket Reversible 3-27 KV IMX .....	818.74	246.10
26 43 23 00-0030	EA		Single Unit Horizontal Pole Mounted Bracket (IMX) .....	810.20	246.10
26 43 23 00-0031	EA		3 Unit Horizontal Pole Mounted Bracket (IMX) .....	746.26	246.10

**26 43 23 00-0032 Lightning Arrestor And Cutouts (26 43 23 00-0001)**

26 43 23 00-0033	EA		3 KV La Distribution Class, Lightning Arrestor .....	579.70	246.10
26 43 23 00-0034	EA		3 KV La Interior Class, Lightning Arrestor .....	1,029.26	246.10
26 43 23 00-0035	EA		3 KV La Station Class, Lightning Arrestor .....	972.41	246.10
26 43 23 00-0036	EA		9 KV La Distribution Class, Lightning Arrestor .....	626.65	246.10
26 43 23 00-0037	EA		9 KV La Interior Class, Lightning Arrestor .....	1,153.73	246.10
26 43 23 00-0038	EA		9 KV La Station Class, Lightning Arrestor .....	1,185.83	246.10
26 43 23 00-0039	EA		5 KV Enclosed Fused Cutout .....	699.64	246.10
26 43 23 00-0040	EA		15 KV Open Fused Cutout .....	771.04	307.62
26 43 23 00-0041	EA		18 KV La Distribution Class, Lightning Arrestor .....	601.95	246.10
26 43 23 00-0042	EA		18 KV La Interior Class, Lightning Arrestor .....	1,220.27	246.10

**26 50 Lighting (26)**

Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

**26 51 Interior Lighting (26 50)**

**26 51 13 Incandescent Interior Lighting (26 51)**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST    DEMOLITION UNIT COST

26 51 13 00-0001	<b>Recessed Fixtures</b> <small>(26 51 13)</small> Note: Housing and trim priced separately.		
26 51 13 00-0002	<b>Incandescent, Recessed Fixture Housings</b> <small>(26 51 13 00-0001)</small>		
26 51 13 00-0003	EA 4" Round, Incandescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	63.30 2.38	29.84
26 51 13 00-0004	EA 5" Round, Incandescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	63.30 2.38	29.84
26 51 13 00-0005	EA 6" Round, Incandescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	66.98 2.59	31.29
26 51 13 00-0006	EA 7" Round, Incandescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	70.76 2.80	32.65
26 51 13 00-0007	EA 8" Round, Incandescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	74.54 3.02	34.01
26 51 13 00-0008	EA 10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	76.69 2.90	36.09
26 51 13 00-0009	<b>Recessed Fixture Trim</b> <small>(26 51 13 00-0001)</small>		
26 51 13 00-0010	EA Circular, Recessed Fixture Trim.....	44.73	14.61
26 51 13 00-0011	EA Circular Clear Lens, Recessed Fixture Trim .....	48.92	14.61
26 51 13 00-0012	EA Open/Baffle, Recessed Fixture Trim.....	56.16	14.61
26 51 13 00-0013	EA Specular Reflector, Recessed Fixture Trim .....	60.00	14.61
26 51 13 00-0014	EA Eyeball, Recessed Fixture Trim .....	48.98	14.61
26 51 13 00-0015	EA 10" To 12" Square, Clear Lens, Recessed Fixture Trim .....	46.73	14.61
26 51 13 00-0016	EA 10" To 12" Square, Drop Dish, Recessed Fixture Trim.....	49.31	14.61
26 51 13 00-0017	<b>Wall Mounted Fixtures</b> <small>(26 51 13)</small>		
26 51 13 00-0018	<b>Wall Mounted Vanity Light Fixtures</b> <small>(26 51 13 00-0017)</small>		
26 51 13 00-0019	EA 1 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2706) .....	130.60	41.73
26 51 13 00-0020	EA 2 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2707) .....	165.64	41.73
26 51 13 00-0021	EA 3 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2708) .....	230.02	41.73
26 51 13 00-0022	EA 4 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2709) .....	283.35	41.73
26 51 13 00-0023	EA 5 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2713) .....	344.11	41.73
26 51 13 00-0024	EA 6 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2714) .....	419.37	41.73
26 51 13 00-0025	<b>Track Lighting</b> <small>(26 51 13)</small>		
26 51 13 00-0026	<b>Track Lighting Tracks</b> <small>(26 51 13 00-0025)</small>		
26 51 13 00-0027	LF 1 Circuit Track Lighting Track .....	22.52	6.89
26 51 13 00-0028	LF 2 Circuit Track Lighting Track .....	29.33	6.89
26 51 13 00-0029	LF 3 Circuit Track Lighting Track .....	35.13	6.89
26 51 13 00-0030	LF 4 Circuit Track Lighting Track .....	40.95	8.34
26 51 13 00-0031	<b>Incandescent Track Lighting Fixtures</b> <small>(26 51 13 00-0025)</small>		
26 51 13 00-0032	EA Incandescent Track Lighting Fixture, 120 Volt .....	57.11	17.42
26 51 13 00-0033	EA Par 20 Track Fixture, White Or Black Finish, 120 Volt .....	54.68	17.42
26 51 13 00-0034	EA Par 30 Track Fixture, White Or Black Finish, 120 Volt .....	76.77	17.42
26 51 13 00-0035	EA Par 38 Track Fixture, White Or Black Finish, 120 Volt .....	78.96	17.42
26 51 13 00-0036	EA PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	64.68	17.42
26 51 13 00-0037	EA PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	54.68	17.42
26 51 13 00-0038	EA PAR 30, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt..... Note: 120V.	63.63	17.42
26 51 13 00-0039	EA PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	81.15	17.42
26 51 13 00-0040	<b>Track Lighting Accessories</b> <small>(26 51 13 00-0025)</small>		
26 51 13 00-0041	<b>Pendant Mounting</b> <small>(26 51 13 00-0040)</small>		
26 51 13 00-0042	EA Track Lighting Pendant Mounting, Up to 12".....	24.19	
26 51 13 00-0043	EA Track Lighting Pendant Mounting, >12" To 24".....	31.12	
26 51 13 00-0044	EA Track Lighting Pendant Mounting, >24" To 36".....	37.93	
26 51 13 00-0045	<b>Wet Location, Dust Resistant, Vapor Tight Fixtures</b> <small>(26 51 13)</small>		
26 51 13 00-0046	<b>Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures</b> <small>(26 51 13 00-0045)</small>		
26 51 13 00-0047	EA 100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	119.67 5.10	41.73
26 51 13 00-0048	EA 200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	137.69 5.10	41.73



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 51 16 Fluorescent Interior Lighting <sup>(26 51)</sup></b>		
26 51 16 00-0001 Fluorescent Fixtures <sup>(26 51 16)</sup>		
26 51 16 00-0002 Surface Mounted, Wraparound Fluorescent Fixtures <sup>(26 51 16 00-0001)</sup>		
26 51 16 00-0003 6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures <sup>(26 51 16 00-0002)</sup>		
26 51 16 00-0004 EA 1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture .....	123.97	29.83
26 51 16 00-0005 EA 2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	139.42	29.83
26 51 16 00-0006 6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures <sup>(26 51 16 00-0002)</sup>		
26 51 16 00-0007 EA 1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	138.17	31.06
26 51 16 00-0008 EA 2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	154.51	31.06
26 51 16 00-0009 1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures <sup>(26 51 16 00-0002)</sup>		
26 51 16 00-0010 EA 2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	165.28	34.87
26 51 16 00-0011 EA 3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	194.18	34.87
26 51 16 00-0012 EA 4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	225.82	34.87
26 51 16 00-0013 2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures <sup>(26 51 16 00-0002)</sup>		
26 51 16 00-0014 EA 2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture .....	140.53	38.11
26 51 16 00-0015 EA 3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture .....	161.21	38.11
26 51 16 00-0016 2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures <sup>(26 51 16 00-0002)</sup>		
26 51 16 00-0017 EA 2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	210.42	44.40
26 51 16 00-0018 EA 3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	226.38	44.40
26 51 16 00-0019 EA 4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	255.25	44.40
26 51 16 00-0020 Surface Mounted, Box Type Fluorescent Fixtures <sup>(26 51 16 00-0001)</sup>		
Note: Includes prismatic lens.		
26 51 16 00-0021 1' x 4', Surface Mounted, Box Type Fluorescent Fixtures <sup>(26 51 16 00-0020)</sup>		
26 51 16 00-0022 EA 2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	164.45	34.59
26 51 16 00-0023 EA 3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	256.93	34.59
26 51 16 00-0024 EA 4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	291.82	34.59
26 51 16 00-0025 2' x 2', Surface Mounted, Box Type Fluorescent Fixtures <sup>(26 51 16 00-0020)</sup>		
26 51 16 00-0026 EA 2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	248.45	38.11
26 51 16 00-0027 EA 3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	271.47	38.11
26 51 16 00-0028 EA 4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	288.67	38.11
26 51 16 00-0029 2' x 4', Surface Mounted, Box Type Fluorescent Fixtures <sup>(26 51 16 00-0020)</sup>		
26 51 16 00-0030 EA 2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	253.85	44.40
26 51 16 00-0031 EA 3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	277.87	44.40
26 51 16 00-0032 EA 4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	291.87	44.40
26 51 16 00-0033 EA 6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	313.98	44.40
26 51 16 00-0034 4' x 4', Surface Mounted, Box Type Fluorescent Fixtures <sup>(26 51 16 00-0020)</sup>		
26 51 16 00-0035 EA 4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	489.40	57.18
26 51 16 00-0036 EA 6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	500.32	57.18
26 51 16 00-0037 EA 8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	567.29	57.18
26 51 16 00-0038 Recessed Fluorescent Fixtures <sup>(26 51 16 00-0001)</sup>		
26 51 16 00-0039 Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <sup>(26 51 16 00-0038)</sup>		
26 51 16 00-0040 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <sup>(26 51 16 00-0039)</sup>		
26 51 16 00-0041 EA 2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	168.99	29.83
For Drywall Or Plaster Ceilings, Add	20.15	
26 51 16 00-0042 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <sup>(26 51 16 00-0039)</sup>		
26 51 16 00-0043 EA 2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	212.03	34.59
For Drywall Or Plaster Ceilings, Add	23.58	
26 51 16 00-0044 EA 2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	366.19	34.59
For Drywall Or Plaster Ceilings, Add	23.58	
26 51 16 00-0045 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <sup>(26 51 16 00-0039)</sup>		

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 51</b>	<b>Interior Lighting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0046	EA		2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	217.06 25.73	38.11
26 51 16 00-0047	EA		3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	244.99 25.73	38.11
26 51 16 00-0048	EA		4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	250.30 25.74	38.11
26 51 16 00-0049	EA		2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	270.54 25.73	38.11
<b>26 51 16 00-0050</b>			<b>2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)</b>		
26 51 16 00-0051	EA		2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	215.44 30.02	44.40
26 51 16 00-0052	EA		3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	283.79 30.02	44.40
26 51 16 00-0053	EA		4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	289.25 30.02	44.40
26 51 16 00-0054	EA		6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	321.94 30.02	44.40
26 51 16 00-0055	EA		2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	284.69 30.02	44.40
26 51 16 00-0056	EA		3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	376.08 30.02	44.40
26 51 16 00-0057	EA		4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	390.82 30.02	44.40
<b>26 51 16 00-0058</b>			<b>Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0038)</b>		
<b>26 51 16 00-0059</b>			<b>1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)</b>		
26 51 16 00-0060	EA		1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	187.89 20.15	29.83
26 51 16 00-0061	EA		2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	193.18 20.15	29.83
26 51 16 00-0062	EA		3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	222.67 20.15	29.83
<b>26 51 16 00-0063</b>			<b>1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)</b>		
26 51 16 00-0064	EA		1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	212.09 23.58	34.59
26 51 16 00-0065	EA		2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	217.55 23.58	34.59
26 51 16 00-0066	EA		3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	242.89 23.58	34.59
<b>26 51 16 00-0067</b>			<b>2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)</b>		
26 51 16 00-0068	EA		2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	222.32 25.74	38.11
26 51 16 00-0069	EA		3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	227.62 25.74	38.11
26 51 16 00-0070	EA		4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	256.71 25.74	38.11
<b>26 51 16 00-0071</b>			<b>2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)</b>		
26 51 16 00-0072	EA		2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	215.44 30.02	44.40
26 51 16 00-0073	EA		3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	246.40 30.02	44.40
26 51 16 00-0074	EA		4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	275.95 30.02	44.40
26 51 16 00-0075	EA		6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	311.06 30.02	44.40
<b>26 51 16 00-0076</b>			<b>Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0038)</b>		
<b>26 51 16 00-0077</b>			<b>1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0076)</b>		
26 51 16 00-0078	EA		1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	363.80 23.58	34.59
26 51 16 00-0079	EA		2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	369.26 23.58	34.59
26 51 16 00-0080	EA		1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	430.29 23.58	34.59
26 51 16 00-0081	EA		2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	445.03 23.58	34.59
<b>26 51 16 00-0082</b>			<b>2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0076)</b>		



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0083 EA 2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	302.34 25.73	38.11
26 51 16 00-0084 EA 3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	335.13 25.73	38.11
26 51 16 00-0085 EA 2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	410.61 25.73	38.11
<b>26 51 16 00-0086 2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0076)</small>		
26 51 16 00-0087 EA 2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	337.60 30.02	44.40
26 51 16 00-0088 EA 3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	408.37 30.02	44.40
26 51 16 00-0089 EA 1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	430.92 30.02	44.40
26 51 16 00-0090 EA 2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	476.93 30.02	44.40
<b>26 51 16 00-0091 Volumetric, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0038)</small>		
<b>26 51 16 00-0092 1' x 4', Volumetric, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0091)</small>		
26 51 16 00-0093 EA 2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	289.80 23.58	34.59
26 51 16 00-0094 EA 2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	371.98 23.58	34.59
<b>26 51 16 00-0095 2' x 2', Volumetric, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0091)</small>		
26 51 16 00-0096 EA 2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	291.29 25.73	38.11
26 51 16 00-0097 EA 2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	328.04 25.73	38.11
<b>26 51 16 00-0098 2' x 4', Volumetric, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0091)</small>		
26 51 16 00-0099 EA 2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	323.53 30.02	44.40
26 51 16 00-0100 EA 2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	324.14 30.02	44.40
<b>26 51 16 00-0101 Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0038)</small>		
<b>26 51 16 00-0102 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0101)</small>		
26 51 16 00-0103 EA 2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	277.97 23.58	34.59
<b>26 51 16 00-0104 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0101)</small>		
26 51 16 00-0105 EA 2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	270.84 25.73	38.11
<b>26 51 16 00-0106 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0101)</small>		
26 51 16 00-0107 EA 2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	322.06 30.02	44.40
26 51 16 00-0108 EA 3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	561.63 30.02	44.40
26 51 16 00-0109 EA 4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	367.96 30.02	44.40
<b>26 51 16 00-0110 Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0038)</small>		
<b>26 51 16 00-0111 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0110)</small>		
26 51 16 00-0112 EA 2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	266.80 23.58	34.59
<b>26 51 16 00-0113 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0110)</small>		
26 51 16 00-0114 EA 2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	270.57 25.73	38.11

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0115			<b>2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0110)</small>		
26 51 16 00-0116	EA		2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	328.32 30.02	44.40
26 51 16 00-0117	EA		3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	335.96 30.02	44.40
26 51 16 00-0118	EA		4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	346.04 30.02	44.40
26 51 16 00-0119			<b>Striplight Fluorescent Fixtures</b> <small>(26 51 16 00-0001)</small>		
26 51 16 00-0120			<b>1 Lamp Cross Section, Striplight Fluorescent Fixtures</b> <small>(26 51 16 00-0119)</small>		
26 51 16 00-0121	EA		1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	130.31	28.58
26 51 16 00-0122	EA		2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	153.33	28.58
26 51 16 00-0123	EA		3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	154.26	31.73
26 51 16 00-0124	EA		4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	158.19	34.87
26 51 16 00-0125	EA		8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	191.52	41.31
26 51 16 00-0126			<b>2 Lamp Cross Section, Striplight Fluorescent Fixtures</b> <small>(26 51 16 00-0119)</small>		
26 51 16 00-0127	EA		2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture.....	158.55	31.73
26 51 16 00-0128	EA		3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture.....	165.33	34.87
26 51 16 00-0129	EA		4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture.....	168.42	38.11
26 51 16 00-0130			<b>3 Lamp Cross Section, Striplight Fluorescent Fixtures</b> <small>(26 51 16 00-0119)</small>		
26 51 16 00-0131	EA		2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture.....	215.85	31.73
26 51 16 00-0132	EA		3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture.....	213.97	34.87
26 51 16 00-0133	EA		4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture.....	216.22	38.11
26 51 16 00-0134			<b>Display Case Fluorescent Fixtures</b> <small>(26 51 16 00-0119)</small>		
26 51 16 00-0135	EA		1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W).....	103.79	31.29
26 51 16 00-0136	EA		1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W).....	126.25	31.29
26 51 16 00-0137	EA		1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W).....	136.36	36.51
26 51 16 00-0138	EA		1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W).....	138.49	36.51
26 51 16 00-0139			<b>Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0001)</small>		
26 51 16 00-0140			<b>1 Lamp Cross Section, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0139)</small>		
26 51 16 00-0141	EA		2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture.....	173.89	28.58
26 51 16 00-0142	EA		4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture.....	185.94	34.87
26 51 16 00-0143	EA		8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture.....	317.04	44.40
26 51 16 00-0144			<b>2 Lamp Cross Section, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0139)</small>		
26 51 16 00-0145	EA		2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture.....	183.95	31.73
26 51 16 00-0146	EA		4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture.....	196.18	38.11
26 51 16 00-0147	EA		8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture.....	327.96	44.40
26 51 16 00-0148			<b>3 Lamp Cross Section, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0139)</small>		
26 51 16 00-0149	EA		2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture.....	192.87	31.73
26 51 16 00-0150	EA		4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture.....	204.37	38.11
26 51 16 00-0151	EA		8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture.....	297.75	44.40
26 51 16 00-0152			<b>4 Lamp Cross Section, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0139)</small>		
26 51 16 00-0153	EA		4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture.....	265.34	38.11
26 51 16 00-0154	EA		8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture.....	381.24	44.40
26 51 16 00-0155			<b>Flanged Fluorescent Fixture</b> <small>(26 51 16 00-0001)</small> Note: For plaster or drywall application. With electronic ballast.		
26 51 16 00-0156	EA		2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture.....	261.10	57.18
26 51 16 00-0157	EA		3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture.....	302.84	57.18
26 51 16 00-0158	EA		4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture.....	308.30	57.18
26 51 16 00-0159			<b>Undercabinet Fluorescent Fixtures</b> <small>(26 51 16 00-0001)</small>		
26 51 16 00-0160	EA		1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture.....	93.20	25.73
26 51 16 00-0161	EA		1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture.....	109.68	31.44
26 51 16 00-0162	EA		2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	108.30	31.44
26 51 16 00-0163	EA		1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	127.96	34.30
26 51 16 00-0164	EA		2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	148.87	40.02





<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 51 16 00-0165</b> Surface Mounted, T5HO Fluorescent Fixture <small>(26 51 16 00-0001)</small> Note: For 8' fixture, use two (2) 4' fixtures		
26 51 16 00-0166 EA 1 T5HO Lamp, 60 W, 4' Length, Surface Mounted, Fluorescent Fixture.....	494.86	44.40
For Instant Quartz Restrike, Add	60.00	
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
For Gasketed/Wet Location, Add	57.75	
26 51 16 00-0167 EA 2 T5HO Lamps, 120 W, 4' Length, Surface Mounted, Fluorescent Fixture.....	397.97	44.40
For Instant Quartz Restrike, Add	60.00	
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
For Gasketed/Wet Location, Add	57.75	
26 51 16 00-0168 EA 3 T5HO Lamps, 182 W, 4' Length, Surface Mounted, Fluorescent Fixture.....	413.00	44.40
For Instant Quartz Restrike, Add	60.00	
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
For Gasketed/Wet Location, Add	57.75	
26 51 16 00-0169 EA 4 T5HO Lamps, 240 W, 4' Length, Surface Mounted, Fluorescent Fixture.....	475.91	44.40
For Instant Quartz Restrike, Add	60.00	
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
For Gasketed/Wet Location, Add	57.75	
26 51 16 00-0170 EA 6 T5HO Lamps, 358 W, 4' Length, Surface Mounted, Fluorescent Fixture.....	610.05	44.40
For Instant Quartz Restrike, Add	60.00	
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
For Gasketed/Wet Location, Add	57.75	
<b>26 51 16 00-0171</b> Corner Mounted, Fluorescent Fixtures <small>(26 51 16 00-0001)</small> Note: Includes acrylic drop dish diffuser.		
<b>26 51 16 00-0172</b> 2' Length, Corner Mounted, Fluorescent Fixtures <small>(26 51 16 00-0171)</small>		
26 51 16 00-0173 EA 1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture.....	160.54	28.58
26 51 16 00-0174 EA 2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture.....	179.31	28.58
<b>26 51 16 00-0175</b> 3' Length, Corner Mounted, Fluorescent Fixtures <small>(26 51 16 00-0171)</small>		
26 51 16 00-0176 EA 1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture.....	182.00	30.02
26 51 16 00-0177 EA 2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture.....	200.41	30.02
<b>26 51 16 00-0178</b> 4' Length, Corner Mounted, Fluorescent Fixtures <small>(26 51 16 00-0171)</small>		
26 51 16 00-0179 EA 1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture.....	179.46	31.44
26 51 16 00-0180 EA 2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture.....	197.66	31.44
<b>26 51 16 00-0181</b> Wall Bracket, Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
<b>26 51 16 00-0182</b> Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 16 00-0181)</small> Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
<b>26 51 16 00-0183</b> 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 16 00-0182)</small>		
26 51 16 00-0184 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	227.33	47.98
26 51 16 00-0185 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	231.85	47.98
<b>26 51 16 00-0186</b> 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 16 00-0182)</small>		
26 51 16 00-0187 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	299.93	47.98
26 51 16 00-0188 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	306.23	47.98
<b>26 51 16 00-0189</b> 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 16 00-0182)</small>		
26 51 16 00-0190 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	311.26	47.98
26 51 16 00-0191 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	315.78	47.98
<b>26 51 16 00-0192</b> Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 16 00-0181)</small> Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
<b>26 51 16 00-0193</b> 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 16 00-0192)</small>		
26 51 16 00-0194 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	614.26	47.98
26 51 16 00-0195 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	618.77	47.98
<b>26 51 16 00-0196</b> 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 16 00-0192)</small>		
26 51 16 00-0197 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	478.67	47.98
26 51 16 00-0198 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	484.97	47.98

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 51 16 00-0199	4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 16 00-0192)</small>		
26 51 16 00-0200	EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	555.50	47.98
26 51 16 00-0201	EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	560.02	47.98
26 51 16 00-0202	Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 16 00-0181)</small> Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0203	2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 16 00-0202)</small>		
26 51 16 00-0204	EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	216.91	47.98
26 51 16 00-0205	EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	221.42	47.98
26 51 16 00-0206	3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 16 00-0202)</small>		
26 51 16 00-0207	EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	218.70	47.98
26 51 16 00-0208	EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	225.00	47.98
26 51 16 00-0209	4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 16 00-0202)</small>		
26 51 16 00-0210	EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	208.92	47.98
26 51 16 00-0211	EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	213.43	47.98
26 51 16 00-0212	Low Occupancy, Industrial Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0213	EA 1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	269.64	34.87
26 51 16 00-0214	EA 2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	274.41	38.11
26 51 16 00-0215	Ceiling Mounted Fluorescent Fixtures <small>(26 51 16)</small>		
26 51 16 00-0216	Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures <small>(26 51 16 00-0215)</small>		
26 51 16 00-0217	Glass Globe, Compact Fluorescent/Incandescent Fixtures <small>(26 51 16 00-0216)</small>		
26 51 16 00-0218	EA 6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture.....	107.68	41.73
26 51 16 00-0219	EA 9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture.....	123.10	41.73
26 51 16 00-0220	Ceiling Mounted, Circline Fluorescent Fixtures <small>(26 51 16 00-0215)</small>		
26 51 16 00-0221	Exposed Lamps, Circline Fluorescent Fixtures <small>(26 51 16 00-0220)</small>		
26 51 16 00-0222	EA 8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture.....	97.92	41.73
26 51 16 00-0223	EA 12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture.....	107.25	41.73
26 51 16 00-0224	Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures <small>(26 51 16 00-0220)</small>		
26 51 16 00-0225	EA 11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	128.12	41.73
26 51 16 00-0226	EA 14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	170.57	41.73
26 51 16 00-0227	EA 19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	199.99	41.73
26 51 16 00-0228	EA 12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	141.87	41.73
26 51 16 00-0229	EA 15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	171.44	41.73
26 51 16 00-0230	EA 19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	199.99	41.73
26 51 16 00-0231	Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures <small>(26 51 16 00-0215)</small>		
26 51 16 00-0232	Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures <small>(26 51 16 00-0231)</small>		
26 51 16 00-0233	EA 11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	133.38	41.73
26 51 16 00-0234	EA 14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	160.47	41.73
26 51 16 00-0235	EA 19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	186.90	41.73
26 51 16 00-0236	EA 12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	109.63	41.73
26 51 16 00-0237	EA 15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	125.82	41.73
26 51 16 00-0238	EA 19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	156.51	41.73
26 51 16 00-0239	Pendant Mounted, Compact Fluorescent/Incandescent Downlights <small>(26 51 16 00-0215)</small>		
26 51 16 00-0240	Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights <small>(26 51 16 00-0239)</small>		
26 51 16 00-0241	EA 6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight.....	183.59	34.28
26 51 16 00-0242	Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle <small>(26 51 16 00-0239)</small>		
26 51 16 00-0243	EA 6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	207.06	34.28
26 51 16 00-0244	EA 8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	282.80	34.28



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 51 16 00-0245</b> <b>Pendant Mounted, Horizontal Indirect Fluorescent Fixtures</b> <small>(26 51 16 00-0215)</small>		
26 51 16 00-0246    EA    1 T5HO Lamp, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture ..... 276.05	276.05	34.28
26 51 16 00-0247    EA    2 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture ..... 292.94	292.94	34.28
26 51 16 00-0248    EA    3 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture ..... 351.61	351.61	34.28
26 51 16 00-0249    EA    2 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture ..... 367.00	367.00	34.28
26 51 16 00-0250    EA    4 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture ..... 438.76	438.76	34.28
26 51 16 00-0251    EA    6 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture ..... 523.82	523.82	34.28
<b>26 51 16 00-0252</b> <b>Finelite Fluorescent Fixtures</b> <small>(26 51 16 00-0215)</small>		
<b>26 51 16 00-0253</b> <b>Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10)</b> <small>(26 51 16 00-0252)</small>		
26 51 16 00-0254    EA    1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) ..... 471.68	471.68	48.60
For Dual Circuit, Add	119.60	
26 51 16 00-0255    EA    2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) ..... 468.91	468.91	48.60
For Dual Circuit, Add	118.77	
26 51 16 00-0256    EA    3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) ..... 507.28	507.28	48.60
For Dual Circuit, Add	130.28	
26 51 16 00-0257    EA    1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) ..... 570.45	570.45	48.60
For Dual Circuit, Add	149.23	
26 51 16 00-0258    EA    2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) ..... 625.32	625.32	48.60
For Dual Circuit, Add	165.69	
26 51 16 00-0259    EA    3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) ..... 770.70	770.70	48.60
For Dual Circuit, Add	209.30	
26 51 16 00-0260    EA    2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) ..... 676.70	676.70	50.69
For Dual Circuit, Add	135.36	
26 51 16 00-0261    EA    4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) ..... 695.85	695.85	50.69
For Dual Circuit, Add	139.67	
26 51 16 00-0262    EA    6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) ..... 772.60	772.60	50.69
For Dual Circuit, Add	156.94	
26 51 16 00-0263    EA    2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) ..... 742.60	742.60	50.69
For Dual Circuit, Add	150.19	
26 51 16 00-0264    EA    4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) ..... 934.61	934.61	50.69
For Dual Circuit, Add	193.39	
26 51 16 00-0265    EA    6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) ..... 1,101.94	1,101.94	50.69
For Dual Circuit, Add	231.04	
26 51 16 00-0266    EA    3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) ..... 898.20	898.20	52.79
For Dual Circuit, Add	123.15	
26 51 16 00-0267    EA    6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) ..... 931.03	931.03	52.79
For Dual Circuit, Add	128.08	
26 51 16 00-0268    EA    9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) ..... 1,029.70	1,029.70	52.79
For Dual Circuit, Add	142.88	
26 51 16 00-0269    EA    3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) ..... 1,038.18	1,038.18	52.79
For Dual Circuit, Add	144.15	
26 51 16 00-0270    EA    6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) ..... 1,285.06	1,285.06	52.79
For Dual Circuit, Add	181.18	
26 51 16 00-0271    EA    9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) ..... 1,540.17	1,540.17	52.79
For Dual Circuit, Add	219.45	
<b>26 51 16 00-0272</b> <b>Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O)</b> <small>(26 51 16 00-0252)</small>		
26 51 16 00-0273    EA    1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) ..... 325.78	325.78	48.60
For Dual Circuit, Add	75.83	
26 51 16 00-0274    EA    1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) ..... 352.96	352.96	48.60
For Dual Circuit, Add	83.98	
26 51 16 00-0275    EA    1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) ..... 351.57	351.57	48.60
For Dual Circuit, Add	83.57	
26 51 16 00-0276    EA    2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) ..... 465.75	465.75	50.69
For Dual Circuit, Add	87.90	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	16 00-0277	EA	2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	498.04	50.69
			<i>For Dual Circuit, Add</i>	95.16	
26 51	16 00-0278	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	495.25	50.69
			<i>For Dual Circuit, Add</i>	94.53	
26 51	16 00-0279	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	605.73	52.79
			<i>For Dual Circuit, Add</i>	79.28	
26 51	16 00-0280	EA	3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	687.27	52.79
			<i>For Dual Circuit, Add</i>	91.51	
26 51	16 00-0281	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	683.08	52.79
			<i>For Dual Circuit, Add</i>	90.88	
<b>26 51</b>	<b>16 00-0282</b>		<b>Fluorescent, Recessed Fixture Housings</b> <small>(26 51 16)</small>		
26 51	16 00-0283	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	92.60	29.84
			<i>For ICAT Housing, Add</i>	6.16	
26 51	16 00-0284	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	95.20	29.84
			<i>For ICAT Housing, Add</i>	6.49	
26 51	16 00-0285	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	99.25	31.19
			<i>For ICAT Housing, Add</i>	6.75	
26 51	16 00-0286	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	104.20	32.33
			<i>For ICAT Housing, Add</i>	7.12	
26 51	16 00-0287	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	108.61	34.01
			<i>For ICAT Housing, Add</i>	7.42	
26 51	16 00-0288	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing.....	112.92	36.09
			<i>For ICAT Housing, Add</i>	7.57	
<b>26 51</b>	<b>16 00-0289</b>		<b>Compact Fluorescent, Recessed Fixture Housings</b> <small>(26 51 16)</small>		
26 51	16 00-0290	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	103.78	29.84
			<i>For ICAT Housing, Add</i>	7.60	
26 51	16 00-0291	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	106.34	29.84
			<i>For ICAT Housing, Add</i>	7.93	
26 51	16 00-0292	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	110.48	31.29
			<i>For ICAT Housing, Add</i>	8.20	
26 51	16 00-0293	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	113.96	32.65
			<i>For ICAT Housing, Add</i>	8.38	
26 51	16 00-0294	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	117.84	34.01
			<i>For ICAT Housing, Add</i>	8.61	
26 51	16 00-0295	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	121.96	36.09
			<i>For ICAT Housing, Add</i>	8.74	
<b>26 51</b>	<b>16 00-0296</b>		<b>Fluorescent Track Lighting Fixtures</b> <small>(26 51 16)</small>		
26 51	16 00-0297	EA	2L 18W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	281.99	17.42
26 51	16 00-0298	EA	2L 39W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	290.75	17.42
26 51	16 00-0299	EA	2L 40W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	296.22	17.42
26 51	16 00-0300	EA	2L 50W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	190.34	17.42
26 51	16 00-0301	EA	2L, 55 Watt BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	318.51	17.42
<b>26 51</b>	<b>16 00-0302</b>		<b>Compact Fluorescent Track Lighting Fixtures</b> <small>(26 51 16)</small>		
26 51	16 00-0303	EA	Compact Fluorescent Track Lighting Fixture.....	65.54	17.42
<b>26 51</b>	<b>16 00-0304</b>		<b>Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures</b> <small>(26 51 16)</small>		
26 51	16 00-0305	EA	13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	128.97 6.02	41.73
26 51	16 00-0306	EA	22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	132.51 6.02	41.73
26 51	16 00-0307	EA	28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	141.27 6.02	41.73
<b>26 51</b>	<b>16 00-0308</b>		<b>Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures</b> <small>(26 51 16)</small>		
26 51	16 00-0309	EA	4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 16 00-0308)</small>		
26 51	16 00-0310	EA	4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) <small>(26 51 16 00-0309)</small> Note: Includes high impact acrylic molded lens.		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0311 EA 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	210.09	44.40
<i>For T5 Fixture Instead Of T8, Add</i>	16.42	
26 51 16 00-0312 EA 2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	219.97	44.40
<i>For T5 Fixture Instead Of T8, Add</i>	17.55	
26 51 16 00-0313 EA 3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	327.56	44.40
<i>For T5 Fixture Instead Of T8, Add</i>	29.87	
26 51 16 00-0314 EA 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	290.94	44.40
26 51 16 00-0315 EA 2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	453.15	44.40
<b>26 51 16 00-0316 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W) (26 51 16 00-0309)</b>		
Note: Includes high impact acrylic molded lens.		
26 51 16 00-0317 EA 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	333.28	44.40
26 51 16 00-0318 EA 2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	337.11	44.40
26 51 16 00-0319 EA 3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	495.34	44.40
26 51 16 00-0320 EA 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	409.14	44.40
26 51 16 00-0321 EA 2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	428.09	44.40
<b>26 51 16 00-0322 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 16 00-0308)</b>		
Note: Includes high impact acrylic molded lens.		
<b>26 51 16 00-0323 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) (26 51 16 00-0322)</b>		
Note: Includes high impact acrylic molded lens.		
26 51 16 00-0324 EA 2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	377.63	60.32
<i>For T5 Fixture Instead Of T8, Add</i>	32.87	
26 51 16 00-0325 EA 4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	393.72	60.32
<i>For T5 Fixture Instead Of T8, Add</i>	34.71	
<b>26 51 16 00-0326 High Bay Fluorescent Fixtures (26 51 16)</b>		
<b>26 51 16 00-0327 (T8) Fluorescent, High Bay Fixtures (26 51 16 00-0326)</b>		
<b>26 51 16 00-0328 (T8) Fluorescent, High Bay Fixtures (Lithonia) (26 51 16 00-0327)</b>		
Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0329 EA 2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	458.12	97.20
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0330 EA 3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	478.32	107.68
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0331 EA 4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	541.54	122.92
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0332 EA 6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	652.27	129.50
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0333 EA 8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	709.66	135.50
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0334 EA 4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	404.31	122.92
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0335 EA 6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	424.75	129.50
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0336 EA 8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	487.81	135.50
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
<b>26 51 16 00-0337 (T5HO) Fluorescent, High Bay Fixtures (26 51 16 00-0326)</b>		
<b>26 51 16 00-0338 (T5HO) Fluorescent, High Bay Fixtures (Lithonia) (26 51 16 00-0337)</b>		
Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0339 EA 2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	463.32	97.20
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0340 EA 3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	483.55	107.68
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0341	EA		4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	550.29	122.92
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0342	EA		6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	670.12	129.50
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0343	EA		4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) .....	427.98	122.92
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0344	EA		6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) .....	472.11	129.50
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0345	EA		8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) .....	553.58	135.50
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
<b>26 51 19 LED Interior Lighting (26 51)</b>					
<b>26 51 19 00-0001 LED Fixtures (26 51 19)</b>					
<b>26 51 19 00-0002 Undercabinet LED Fixtures (26 51 19 00-0001)</b>					
26 51 19 00-0003	EA		12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6) .....	146.59	25.73
			<i>For &gt;50 To 100, Deduct</i>	-4.74	
			<i>For &gt;100 To 250, Deduct</i>	-8.40	
			<i>For &gt;250 To 500, Deduct</i>	-14.66	
			<i>For &gt;500, Deduct</i>	-20.92	
26 51 19 00-0004	EA		18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6) .....	183.75	31.44
			<i>For &gt;50 To 100, Deduct</i>	-5.90	
			<i>For &gt;100 To 250, Deduct</i>	-10.50	
			<i>For &gt;250 To 500, Deduct</i>	-18.38	
			<i>For &gt;500, Deduct</i>	-26.25	
26 51 19 00-0005	EA		24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6) .....	193.72	31.44
			<i>For &gt;50 To 100, Deduct</i>	-6.15	
			<i>For &gt;100 To 250, Deduct</i>	-11.00	
			<i>For &gt;250 To 500, Deduct</i>	-19.37	
			<i>For &gt;500, Deduct</i>	-27.75	
26 51 19 00-0006	EA		9" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7002).....	132.71	25.73
			<i>For &gt;50 To 100, Deduct</i>	-4.39	
			<i>For &gt;100 To 250, Deduct</i>	-7.71	
			<i>For &gt;250 To 500, Deduct</i>	-13.27	
			<i>For &gt;500, Deduct</i>	-18.83	
26 51 19 00-0007	EA		12" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7012).....	147.55	25.73
			<i>For &gt;50 To 100, Deduct</i>	-4.76	
			<i>For &gt;100 To 250, Deduct</i>	-8.45	
			<i>For &gt;250 To 500, Deduct</i>	-14.76	
			<i>For &gt;500, Deduct</i>	-21.06	
26 51 19 00-0008	EA		18" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7005).....	170.12	25.73
			<i>For &gt;50 To 100, Deduct</i>	-5.33	
			<i>For &gt;100 To 250, Deduct</i>	-9.58	
			<i>For &gt;250 To 500, Deduct</i>	-17.01	
			<i>For &gt;500, Deduct</i>	-24.45	
26 51 19 00-0009	EA		24" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7013).....	191.98	25.73
			<i>For &gt;50 To 100, Deduct</i>	-5.87	
			<i>For &gt;100 To 250, Deduct</i>	-10.67	
			<i>For &gt;250 To 500, Deduct</i>	-19.20	
			<i>For &gt;500, Deduct</i>	-27.73	
26 51 19 00-0010	EA		24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30) .....	147.83	25.73
			<i>For &gt;50 To 100, Deduct</i>	-4.77	
			<i>For &gt;100 To 250, Deduct</i>	-8.46	
			<i>For &gt;250 To 500, Deduct</i>	-14.78	
			<i>For &gt;500, Deduct</i>	-21.10	
<b>26 51 19 00-0011 Surface Mount Linear/Striplight LED Fixtures (26 51 19 00-0001)</b>					
<b>26 51 19 00-0012 Striplight LED Fixtures (Lithonia ZL) (26 51 19 00-0011)</b>					
26 51 19 00-0013	EA		3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1).....	192.89	28.58
			<i>For &gt;50 To 100, Deduct</i>	-5.89	
			<i>For &gt;100 To 250, Deduct</i>	-10.72	
			<i>For &gt;250 To 500, Deduct</i>	-19.29	
			<i>For &gt;500, Deduct</i>	-27.86	
26 51 19 00-0014	EA		2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1).....	202.42	34.87
			<i>For &gt;50 To 100, Deduct</i>	-6.37	
			<i>For &gt;100 To 250, Deduct</i>	-11.43	
			<i>For &gt;250 To 500, Deduct</i>	-20.24	
			<i>For &gt;500, Deduct</i>	-29.05	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0015 EA 1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	224.18	28.58
For >50 To 100, Deduct	-6.68	
For >100 To 250, Deduct	-12.28	
For >250 To 500, Deduct	-22.42	
For >500, Deduct	-32.56	
26 51 19 00-0016 EA 2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	233.71	34.87
For >50 To 100, Deduct	-7.15	
For >100 To 250, Deduct	-13.00	
For >250 To 500, Deduct	-23.37	
For >500, Deduct	-33.75	
26 51 19 00-0017 EA 4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	292.85	34.87
For >50 To 100, Deduct	-8.63	
For >100 To 250, Deduct	-15.95	
For >250 To 500, Deduct	-29.29	
For >500, Deduct	-42.62	
<b>26 51 19 00-0018 Striplight LED Fixtures (Mobern) (26 51 19 00-0011)</b>		
26 51 19 00-0019 EA 1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30) .....	200.83	28.58
For >50 To 100, Deduct	-6.09	
For >100 To 250, Deduct	-11.11	
For >250 To 500, Deduct	-20.08	
For >500, Deduct	-29.05	
<b>26 51 19 00-0020 Striplight LED Fixtures (Eaton) (26 51 19 00-0011)</b>		
26 51 19 00-0021 EA 2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U) .....	255.61	34.87
For >50 To 100, Deduct	-7.70	
For >100 To 250, Deduct	-14.09	
For >250 To 500, Deduct	-25.56	
For >500, Deduct	-37.03	
26 51 19 00-0022 EA 2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U) .....	240.79	34.87
For >50 To 100, Deduct	-7.33	
For >100 To 250, Deduct	-13.35	
For >250 To 500, Deduct	-24.08	
For >500, Deduct	-34.81	
26 51 19 00-0023 EA 2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U) .....	255.61	34.87
For >50 To 100, Deduct	-7.70	
For >100 To 250, Deduct	-14.09	
For >250 To 500, Deduct	-25.56	
For >500, Deduct	-37.03	
<b>26 51 19 00-0024 Lay-In/Troffer LED Fixtures (26 51 19 00-0001)</b>		
<b>26 51 19 00-0025 Prismatic Lensed, Lay-In/Troffer LED Fixtures (26 51 19 00-0024)</b>		
<b>26 51 19 00-0026 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0025)</b>		
26 51 19 00-0027 EA 1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4) .....	546.27	34.59
For Drywall Or Plaster Ceilings With Frame Kit, Add	40.42	
For >50 To 100, Deduct	-14.97	
For >100 To 250, Deduct	-28.62	
For >250 To 500, Deduct	-54.63	
For >500, Deduct	-80.63	
26 51 19 00-0028 EA 2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2) .....	308.91	38.11
For Drywall Or Plaster Ceilings, Add	25.73	
For >50 To 100, Deduct	-9.15	
For >100 To 250, Deduct	-16.88	
For >250 To 500, Deduct	-30.89	
For >500, Deduct	-44.91	
26 51 19 00-0029 EA 2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4) .....	549.94	44.40
For Drywall Or Plaster Ceilings With Frame Kit, Add	44.17	
For >50 To 100, Deduct	-15.42	
For >100 To 250, Deduct	-29.16	
For >250 To 500, Deduct	-54.99	
For >500, Deduct	-80.82	
<b>26 51 19 00-0030 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) (26 51 19 00-0025)</b>		
26 51 19 00-0031 EA 1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4) .....	789.24	34.59
For >50 To 100, Deduct	-21.04	
For >100 To 250, Deduct	-40.77	
For >250 To 500, Deduct	-78.92	
For >500, Deduct	-117.08	
26 51 19 00-0032 EA 2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5) .....	552.78	38.11
For >50 To 100, Deduct	-15.25	
For >100 To 250, Deduct	-29.07	
For >250 To 500, Deduct	-55.28	
For >500, Deduct	-81.49	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0033	EA		2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4) .....	721.03	44.40
			<i>For &gt;50 To 100, Deduct</i>	-19.69	
			<i>For &gt;100 To 250, Deduct</i>	-37.72	
			<i>For &gt;250 To 500, Deduct</i>	-72.10	
			<i>For &gt;500, Deduct</i>	-106.49	
<b>26 51 19 00-0034</b>			<b>Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) <small>(26 51 19 00-0025)</small></b>		
26 51 19 00-0035	EA		2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E) .....	361.86	38.11
			<i>For &gt;50 To 100, Deduct</i>	-10.48	
			<i>For &gt;100 To 250, Deduct</i>	-19.52	
			<i>For &gt;250 To 500, Deduct</i>	-36.19	
			<i>For &gt;500, Deduct</i>	-52.85	
26 51 19 00-0036	EA		3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E) .....	401.18	38.11
			<i>For &gt;50 To 100, Deduct</i>	-11.46	
			<i>For &gt;100 To 250, Deduct</i>	-21.49	
			<i>For &gt;250 To 500, Deduct</i>	-40.12	
			<i>For &gt;500, Deduct</i>	-58.75	
26 51 19 00-0037	EA		3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40) .....	340.24	38.11
			<i>For &gt;50 To 100, Deduct</i>	-9.94	
			<i>For &gt;100 To 250, Deduct</i>	-18.44	
			<i>For &gt;250 To 500, Deduct</i>	-34.02	
			<i>For &gt;500, Deduct</i>	-49.61	
26 51 19 00-0038	EA		4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45) .....	340.24	38.11
			<i>For &gt;50 To 100, Deduct</i>	-9.94	
			<i>For &gt;100 To 250, Deduct</i>	-18.44	
			<i>For &gt;250 To 500, Deduct</i>	-34.02	
			<i>For &gt;500, Deduct</i>	-49.61	
26 51 19 00-0039	EA		4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50) .....	365.80	38.11
			<i>For &gt;50 To 100, Deduct</i>	-10.57	
			<i>For &gt;100 To 250, Deduct</i>	-19.72	
			<i>For &gt;250 To 500, Deduct</i>	-36.58	
			<i>For &gt;500, Deduct</i>	-53.44	
<b>26 51 19 00-0040</b>			<b>Volumetric, Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0024)</small></b>		
<b>26 51 19 00-0041</b>			<b>Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 19 00-0040)</small></b>		
26 51 19 00-0042	EA		1' x 4', 2,500 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4) .....	276.01	34.59
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.58	
			<i>For &gt;50 To 100, Deduct</i>	-8.21	
			<i>For &gt;100 To 250, Deduct</i>	-15.11	
			<i>For &gt;250 To 500, Deduct</i>	-27.60	
			<i>For &gt;500, Deduct</i>	-40.09	
26 51 19 00-0043	EA		2' x 2', 2,400 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) .....	247.91	38.11
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	26.69	
			<i>For &gt;50 To 100, Deduct</i>	-7.63	
			<i>For &gt;100 To 250, Deduct</i>	-13.83	
			<i>For &gt;250 To 500, Deduct</i>	-24.79	
			<i>For &gt;500, Deduct</i>	-35.76	
26 51 19 00-0044	EA		2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) .....	372.20	38.11
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	32.91	
			<i>For &gt;50 To 100, Deduct</i>	-10.73	
			<i>For &gt;100 To 250, Deduct</i>	-20.04	
			<i>For &gt;250 To 500, Deduct</i>	-37.22	
			<i>For &gt;500, Deduct</i>	-54.40	
26 51 19 00-0045	EA		2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) .....	252.11	38.11
			<i>For &gt;50 To 100, Deduct</i>	-7.73	
			<i>For &gt;100 To 250, Deduct</i>	-14.04	
			<i>For &gt;250 To 500, Deduct</i>	-25.21	
			<i>For &gt;500, Deduct</i>	-36.39	
26 51 19 00-0046	EA		2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4) .....	275.97	44.40
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	30.48	
			<i>For &gt;50 To 100, Deduct</i>	-8.57	
			<i>For &gt;100 To 250, Deduct</i>	-15.47	
			<i>For &gt;250 To 500, Deduct</i>	-27.60	
			<i>For &gt;500, Deduct</i>	-39.73	
26 51 19 00-0047	EA		2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4) .....	290.31	44.40
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	31.19	
			<i>For &gt;50 To 100, Deduct</i>	-8.93	
			<i>For &gt;100 To 250, Deduct</i>	-16.18	
			<i>For &gt;250 To 500, Deduct</i>	-29.03	
			<i>For &gt;500, Deduct</i>	-41.88	
26 51 19 00-0048	EA		2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4) .....	471.05	44.40
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	40.23	
			<i>For &gt;50 To 100, Deduct</i>	-13.44	
			<i>For &gt;100 To 250, Deduct</i>	-25.22	
			<i>For &gt;250 To 500, Deduct</i>	-47.11	
			<i>For &gt;500, Deduct</i>	-68.99	
<b>26 51 19 00-0049</b>			<b>Architectural, Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0024)</small></b>		
<b>26 51 19 00-0050</b>			<b>Architectural, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 19 00-0049)</small></b>		
			Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0051 EA 2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	349.09	44.40
<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	34.13	
<i>For &gt;50 To 100, Deduct</i>	-10.40	
<i>For &gt;100 To 250, Deduct</i>	-19.12	
<i>For &gt;250 To 500, Deduct</i>	-34.91	
<i>For &gt;500, Deduct</i>	-50.70	
26 51 19 00-0052 EA 4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	409.43	44.40
<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	37.15	
<i>For &gt;50 To 100, Deduct</i>	-11.90	
<i>For &gt;100 To 250, Deduct</i>	-22.14	
<i>For &gt;250 To 500, Deduct</i>	-40.94	
<i>For &gt;500, Deduct</i>	-59.75	
26 51 19 00-0053 EA 6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	463.74	44.40
<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	39.86	
<i>For &gt;50 To 100, Deduct</i>	-13.26	
<i>For &gt;100 To 250, Deduct</i>	-24.85	
<i>For &gt;250 To 500, Deduct</i>	-46.37	
<i>For &gt;500, Deduct</i>	-67.89	
<b>26 51 19 00-0054 Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series)</b> <small>(26 51 19 00-0049)</small>		
<i>Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.</i>		
26 51 19 00-0055 EA 1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) .....	382.88	44.40
<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.99	
<i>For Drywall Or Plaster Ceilings, Add</i>	120.81	
<i>For Surface Mount, Add</i>	204.10	
<i>For &gt;50 To 100, Deduct</i>	-11.24	
<i>For &gt;100 To 250, Deduct</i>	-20.81	
<i>For &gt;250 To 500, Deduct</i>	-38.29	
<i>For &gt;500, Deduct</i>	-55.76	
26 51 19 00-0056 EA 1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) .....	412.77	44.40
<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.99	
<i>For Drywall Or Plaster Ceilings, Add</i>	120.81	
<i>For Surface Mount, Add</i>	204.10	
<i>For &gt;50 To 100, Deduct</i>	-11.99	
<i>For &gt;100 To 250, Deduct</i>	-22.31	
<i>For &gt;250 To 500, Deduct</i>	-41.28	
<i>For &gt;500, Deduct</i>	-60.25	
26 51 19 00-0057 EA 1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) .....	412.77	44.40
<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.99	
<i>For Drywall Or Plaster Ceilings, Add</i>	120.81	
<i>For Surface Mount, Add</i>	204.10	
<i>For &gt;50 To 100, Deduct</i>	-11.99	
<i>For &gt;100 To 250, Deduct</i>	-22.31	
<i>For &gt;250 To 500, Deduct</i>	-41.28	
<i>For &gt;500, Deduct</i>	-60.25	
26 51 19 00-0058 EA 1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) .....	456.91	44.40
<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.99	
<i>For Drywall Or Plaster Ceilings, Add</i>	120.81	
<i>For Surface Mount, Add</i>	204.10	
<i>For &gt;50 To 100, Deduct</i>	-13.09	
<i>For &gt;100 To 250, Deduct</i>	-24.51	
<i>For &gt;250 To 500, Deduct</i>	-45.69	
<i>For &gt;500, Deduct</i>	-66.87	
26 51 19 00-0059 EA 2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) .....	356.44	38.11
<i>Note: CCT 30K to 50K</i>		
<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.99	
<i>For Drywall Or Plaster Ceilings, Add</i>	105.58	
<i>For Surface Mount, Add</i>	192.24	
<i>For &gt;50 To 100, Deduct</i>	-10.34	
<i>For &gt;100 To 250, Deduct</i>	-19.25	
<i>For &gt;250 To 500, Deduct</i>	-35.64	
<i>For &gt;500, Deduct</i>	-52.04	
26 51 19 00-0060 EA 2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) .....	336.34	38.11
<i>Note: CCT 30K to 50K</i>		
<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.99	
<i>For Drywall Or Plaster Ceilings, Add</i>	105.58	
<i>For Surface Mount, Add</i>	192.24	
<i>For &gt;50 To 100, Deduct</i>	-9.84	
<i>For &gt;100 To 250, Deduct</i>	-18.25	
<i>For &gt;250 To 500, Deduct</i>	-33.63	
<i>For &gt;500, Deduct</i>	-49.02	
26 51 19 00-0061 EA 2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) .....	399.46	44.40
<i>Note: CCT 30K to 50K</i>		
<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.99	
<i>For Drywall Or Plaster Ceilings, Add</i>	123.65	
<i>For Surface Mount, Add</i>	222.61	
<i>For &gt;50 To 100, Deduct</i>	-11.65	
<i>For &gt;100 To 250, Deduct</i>	-21.64	
<i>For &gt;250 To 500, Deduct</i>	-39.95	
<i>For &gt;500, Deduct</i>	-58.25	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0062	EA		2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) ..... 412.77	412.77	44.40
			Note: CCT 30K to 50K		
			For Expanded Size Junction Box For Through Wiring, Add	3.99	
			For Drywall Or Plaster Ceilings, Add	123.65	
			For Surface Mount, Add	222.61	
			For >50 To 100, Deduct	-11.99	
			For >100 To 250, Deduct	-22.31	
			For >250 To 500, Deduct	-41.28	
			For >500, Deduct	-60.25	
26 51 19 00-0063	EA		2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) ..... 412.77	412.77	44.40
			Note: CCT 30K to 50K		
			For Expanded Size Junction Box For Through Wiring, Add	3.99	
			For Drywall Or Plaster Ceilings, Add	123.65	
			For Surface Mount, Add	222.61	
			For >50 To 100, Deduct	-11.99	
			For >100 To 250, Deduct	-22.31	
			For >250 To 500, Deduct	-41.28	
			For >500, Deduct	-60.25	
26 51 19 00-0064	EA		2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™) ..... 525.24	525.24	44.40
			Note: CCT 30K to 50K		
			For Expanded Size Junction Box For Through Wiring, Add	3.99	
			For Drywall Or Plaster Ceilings, Add	123.65	
			For Surface Mount, Add	222.61	
			For >50 To 100, Deduct	-14.80	
			For >100 To 250, Deduct	-27.93	
			For >250 To 500, Deduct	-52.52	
			For >500, Deduct	-77.12	
26 51 19 00-0065	EA		2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) ..... 456.91	456.91	44.40
			Note: CCT 30K to 50K		
			For Expanded Size Junction Box For Through Wiring, Add	3.99	
			For Drywall Or Plaster Ceilings, Add	123.65	
			For Surface Mount, Add	222.61	
			For >50 To 100, Deduct	-13.09	
			For >100 To 250, Deduct	-24.51	
			For >250 To 500, Deduct	-45.69	
			For >500, Deduct	-66.87	
26 51 19 00-0066			<b>Architectural, Lay-In/Troffer LED Fixtures (Metalux®)</b> <small>(26 51 19 00-0049)</small>		
			Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0067	EA		2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC) ..... 250.51	250.51	38.11
			For >50 To 100, Deduct	-7.69	
			For >100 To 250, Deduct	-13.96	
			For >250 To 500, Deduct	-25.05	
			For >500, Deduct	-36.15	
26 51 19 00-0068	EA		2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC) ..... 332.99	332.99	44.40
			For >50 To 100, Deduct	-9.99	
			For >100 To 250, Deduct	-18.32	
			For >250 To 500, Deduct	-33.30	
			For >500, Deduct	-48.28	
26 51 19 00-0069			<b>Architectural, Lay-In/Troffer LED Fixtures (Finelite)</b> <small>(26 51 19 00-0049)</small>		
			Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0070	EA		2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2) ..... 362.39	362.39	38.11
			For >50 To 100, Deduct	-10.49	
			For >100 To 250, Deduct	-19.55	
			For >250 To 500, Deduct	-36.24	
			For >500, Deduct	-52.93	
26 51 19 00-0071	EA		2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2) ..... 492.55	492.55	44.78
			For >50 To 100, Deduct	-13.98	
			For >100 To 250, Deduct	-26.30	
			For >250 To 500, Deduct	-49.26	
			For >500, Deduct	-72.21	
26 51 19 00-0072			<b>Shadow Box Style, Lay-In/Troffer LED Fixtures</b> <small>(26 51 19 00-0024)</small>		
26 51 19 00-0073			<b>Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL)</b> <small>(26 51 19 00-0072)</small>		
26 51 19 00-0074	EA		2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2) ..... 579.60	579.60	38.11
			For Drywall Or Plaster Ceilings, Add	25.73	
			For >50 To 100, Deduct	-15.92	
			For >100 To 250, Deduct	-30.41	
			For >250 To 500, Deduct	-57.96	
			For >500, Deduct	-85.51	
26 51 19 00-0075	EA		2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4) ..... 792.06	792.06	44.40
			For Drywall Or Plaster Ceilings With Frame Kit, Add	56.28	
			For >50 To 100, Deduct	-21.47	
			For >100 To 250, Deduct	-41.27	
			For >250 To 500, Deduct	-79.21	
			For >500, Deduct	-117.14	
26 51 19 00-0076			<b>Panel Type, Lay-In/Troffer LED Fixtures</b> <small>(26 51 19 00-0024)</small>		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 51 19 00-0077 Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy)</b> <small>(26 51 19 00-0076)</small>		
26 51 19 00-0078 EA 1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34) .....	392.56	44.40
For >50 To 100, Deduct	-11.48	
For >100 To 250, Deduct	-21.30	
For >250 To 500, Deduct	-39.26	
For >500, Deduct	-57.22	
26 51 19 00-0079 EA 2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34) .....	408.17	44.40
For >50 To 100, Deduct	-11.87	
For >100 To 250, Deduct	-22.08	
For >250 To 500, Deduct	-40.82	
For >500, Deduct	-59.56	
26 51 19 00-0080 EA 2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40) .....	511.59	44.40
For >50 To 100, Deduct	-14.46	
For >100 To 250, Deduct	-27.25	
For >250 To 500, Deduct	-51.16	
For >500, Deduct	-75.07	
26 51 19 00-0081 EA 2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52) .....	511.59	44.40
For >50 To 100, Deduct	-14.46	
For >100 To 250, Deduct	-27.25	
For >250 To 500, Deduct	-51.16	
For >500, Deduct	-75.07	
<b>26 51 19 00-0082 Panel Type, Lay-In/Troffer LED Fixtures (Sylvania)</b> <small>(26 51 19 00-0076)</small>		
26 51 19 00-0083 EA 1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH).....	203.99	44.40
For Surface Mounting Kit (Sylvania SMK1T1A/14A/WH), Add	51.28	
For >50 To 100, Deduct	-6.77	
For >100 To 250, Deduct	-11.87	
For >250 To 500, Deduct	-20.40	
For >500, Deduct	-28.93	
26 51 19 00-0084 EA 2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH).....	210.68	44.40
For >50 To 100, Deduct	-6.93	
For >100 To 250, Deduct	-12.20	
For >250 To 500, Deduct	-21.07	
For >500, Deduct	-29.93	
26 51 19 00-0085 EA 2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH).....	213.74	44.40
For Surface Mounting Kit (Sylvania SMK1T1A/24A/WH)	64.10	
For >50 To 100, Deduct	-7.01	
For >100 To 250, Deduct	-12.35	
For >250 To 500, Deduct	-21.37	
For >500, Deduct	-30.39	
26 51 19 00-0086 EA 2' x 4', 3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMK1T1A/24A/WH).....	502.63	44.40
For >50 To 100, Deduct	-14.23	
For >100 To 250, Deduct	-26.80	
For >250 To 500, Deduct	-50.26	
For >500, Deduct	-73.73	
<b>26 51 19 00-0087 Surface Mount LED Fixtures</b> <small>(26 51 19 00-0001)</small>		
<b>26 51 19 00-0088 Surface Mount, Volumetric LED Fixtures (Lithonia STL)</b> <small>(26 51 19 00-0087)</small>		
26 51 19 00-0089 EA 2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2) .....	307.16	28.58
For >50 To 100, Deduct	-8.75	
For >100 To 250, Deduct	-16.43	
For >250 To 500, Deduct	-30.72	
For >500, Deduct	-45.00	
26 51 19 00-0090 EA 4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4) .....	305.07	34.87
For >50 To 100, Deduct	-8.94	
For >100 To 250, Deduct	-16.56	
For >250 To 500, Deduct	-30.51	
For >500, Deduct	-44.45	
26 51 19 00-0091 EA 4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4) .....	310.34	34.87
For >50 To 100, Deduct	-9.07	
For >100 To 250, Deduct	-16.83	
For >250 To 500, Deduct	-31.03	
For >500, Deduct	-45.24	
<b>26 51 19 00-0092 Surface Mount, Wraparound LED Fixtures (Lithonia LBL)</b> <small>(26 51 19 00-0087)</small>		
26 51 19 00-0093 EA 2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2).....	249.28	28.58
For >50 To 100, Deduct	-7.30	
For >100 To 250, Deduct	-13.54	
For >250 To 500, Deduct	-24.93	
For >500, Deduct	-36.32	
26 51 19 00-0094 EA 4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4).....	327.73	34.87
For >50 To 100, Deduct	-9.50	
For >100 To 250, Deduct	-17.70	
For >250 To 500, Deduct	-32.77	
For >500, Deduct	-47.85	
<b>26 51 19 00-0095 Surface Mount, Shadow Box Style LED Fixtures</b> <small>(26 51 19 00-0087)</small>		
<b>26 51 19 00-0096 Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX)</b> <small>(26 51 19 00-0095)</small>		

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0097	EA		2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2).....	745.45	38.11
			<i>For &gt;50 To 100, Deduct</i>	-20.07	
			<i>For &gt;100 To 250, Deduct</i>	-38.70	
			<i>For &gt;250 To 500, Deduct</i>	-74.55	
			<i>For &gt;500, Deduct</i>	-110.39	
26 51 19 00-0098	EA		2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4).....	957.91	44.40
			<i>For &gt;50 To 100, Deduct</i>	-25.62	
			<i>For &gt;100 To 250, Deduct</i>	-49.56	
			<i>For &gt;250 To 500, Deduct</i>	-95.79	
			<i>For &gt;500, Deduct</i>	-142.02	
<b>26 51 19 00-0099</b>			<b>Surface Mount, Low Profile Fixtures</b> <small>(26 51 19 00-0097)</small>		
26 51 19 00-0100	EA		6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90).....	94.55	26.13
			<i>For &gt;50 To 100, Deduct</i>	-3.67	
			<i>For &gt;100 To 250, Deduct</i>	-6.03	
			<i>For &gt;250 To 500, Deduct</i>	-9.46	
			<i>For &gt;500, Deduct</i>	-12.88	
26 51 19 00-0101	EA		6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569).....	76.18	26.13
			<i>For &gt;50 To 100, Deduct</i>	-3.21	
			<i>For &gt;100 To 250, Deduct</i>	-5.12	
			<i>For &gt;250 To 500, Deduct</i>	-7.62	
			<i>For &gt;500, Deduct</i>	-10.12	
26 51 19 00-0102	EA		13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329).....	133.10	26.13
			<i>For &gt;50 To 100, Deduct</i>	-4.63	
			<i>For &gt;100 To 250, Deduct</i>	-7.96	
			<i>For &gt;250 To 500, Deduct</i>	-13.31	
			<i>For &gt;500, Deduct</i>	-18.66	
26 51 19 00-0103	EA		15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330).....	162.48	26.13
			<i>For &gt;50 To 100, Deduct</i>	-5.37	
			<i>For &gt;100 To 250, Deduct</i>	-9.43	
			<i>For &gt;250 To 500, Deduct</i>	-16.25	
			<i>For &gt;500, Deduct</i>	-23.07	
26 51 19 00-0104			<b>Recessed LED Downlights</b> <small>(26 51 19 00-0001)</small>		
26 51 19 00-0105			<b>Recessed LED Downlights</b> <small>(26 51 19 00-0104)</small>		
26 51 19 00-0106			<b>Recessed LED Downlights (Lithonia)</b> <small>(26 51 19 00-0105)</small>		
			Note: Includes housing and trim.		
26 51 19 00-0107	EA		8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	348.82	45.90
			<i>For Dimming Driver And Sensor Switch nLight Dimming Relay, Add</i>	73.25	
			<i>For &gt;50 To 100, Deduct</i>	-10.44	
			<i>For &gt;100 To 250, Deduct</i>	-19.16	
			<i>For &gt;250 To 500, Deduct</i>	-34.88	
			<i>For &gt;500, Deduct</i>	-50.60	
26 51 19 00-0108	EA		8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	378.99	45.90
			<i>For Dimming Driver And Sensor Switch nLight Dimming Relay, Add</i>	73.25	
			<i>For &gt;50 To 100, Deduct</i>	-11.20	
			<i>For &gt;100 To 250, Deduct</i>	-20.67	
			<i>For &gt;250 To 500, Deduct</i>	-37.90	
			<i>For &gt;500, Deduct</i>	-55.13	
26 51 19 00-0109			<b>Recessed LED Downlights (Portfolio®)</b> <small>(26 51 19 00-0105)</small>		
			Note: Includes housing and trim.		
26 51 19 00-0110	EA		4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413).....	220.49	45.90
			<i>For &gt;50 To 100, Deduct</i>	-7.23	
			<i>For &gt;100 To 250, Deduct</i>	-12.75	
			<i>For &gt;250 To 500, Deduct</i>	-22.05	
			<i>For &gt;500, Deduct</i>	-31.35	
26 51 19 00-0111			<b>Recessed LED Downlights (Gotham® EVO®)</b> <small>(26 51 19 00-0105)</small>		
			Note: Includes housing and trim.		
26 51 19 00-0112	EA		6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED).....	265.29	45.90
			<i>For &gt;50 To 100, Deduct</i>	-8.35	
			<i>For &gt;100 To 250, Deduct</i>	-14.99	
			<i>For &gt;250 To 500, Deduct</i>	-26.53	
			<i>For &gt;500, Deduct</i>	-38.07	
26 51 19 00-0113	EA		6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED).....	273.63	45.90
			<i>For &gt;50 To 100, Deduct</i>	-8.56	
			<i>For &gt;100 To 250, Deduct</i>	-15.40	
			<i>For &gt;250 To 500, Deduct</i>	-27.36	
			<i>For &gt;500, Deduct</i>	-39.32	
26 51 19 00-0114	EA		6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED).....	307.84	45.90
			<i>For &gt;50 To 100, Deduct</i>	-9.42	
			<i>For &gt;100 To 250, Deduct</i>	-17.11	
			<i>For &gt;250 To 500, Deduct</i>	-30.78	
			<i>For &gt;500, Deduct</i>	-44.45	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0115 EA 6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED).....	311.18	45.90
<i>For &gt;50 To 100, Deduct</i>	-9.50	
<i>For &gt;100 To 250, Deduct</i>	-17.28	
<i>For &gt;250 To 500, Deduct</i>	-31.12	
<i>For &gt;500, Deduct</i>	-44.96	
26 51 19 00-0116 EA 6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED).....	340.38	45.90
<i>For &gt;50 To 100, Deduct</i>	-10.23	
<i>For &gt;100 To 250, Deduct</i>	-18.74	
<i>For &gt;250 To 500, Deduct</i>	-34.04	
<i>For &gt;500, Deduct</i>	-49.34	
<b>26 51 19 00-0117 Recessed LED Downlights (Lightolier) <small>(26 51 19 00-0105)</small></b>		
Note: Includes housing and trim.		
26 51 19 00-0118 EA 4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL).....	554.76	45.90
<i>For &gt;50 To 100, Deduct</i>	-15.59	
<i>For &gt;100 To 250, Deduct</i>	-29.46	
<i>For &gt;250 To 500, Deduct</i>	-55.48	
<i>For &gt;500, Deduct</i>	-81.49	
26 51 19 00-0119 EA 4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL).....	652.18	45.90
<i>For &gt;50 To 100, Deduct</i>	-18.03	
<i>For &gt;100 To 250, Deduct</i>	-34.33	
<i>For &gt;250 To 500, Deduct</i>	-65.22	
<i>For &gt;500, Deduct</i>	-96.11	
26 51 19 00-0120 EA 6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	700.79	45.90
<i>For &gt;50 To 100, Deduct</i>	-19.24	
<i>For &gt;100 To 250, Deduct</i>	-36.76	
<i>For &gt;250 To 500, Deduct</i>	-70.08	
<i>For &gt;500, Deduct</i>	-103.40	
26 51 19 00-0121 EA 6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	700.79	45.90
<i>For &gt;50 To 100, Deduct</i>	-19.24	
<i>For &gt;100 To 250, Deduct</i>	-36.76	
<i>For &gt;250 To 500, Deduct</i>	-70.08	
<i>For &gt;500, Deduct</i>	-103.40	
26 51 19 00-0122 EA 7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	725.20	45.90
<i>For &gt;50 To 100, Deduct</i>	-19.85	
<i>For &gt;100 To 250, Deduct</i>	-37.98	
<i>For &gt;250 To 500, Deduct</i>	-72.52	
<i>For &gt;500, Deduct</i>	-107.06	
26 51 19 00-0123 EA 7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	749.63	45.90
<i>For &gt;50 To 100, Deduct</i>	-20.46	
<i>For &gt;100 To 250, Deduct</i>	-39.20	
<i>For &gt;250 To 500, Deduct</i>	-74.96	
<i>For &gt;500, Deduct</i>	-110.72	
<b>26 51 19 00-0124 Recessed LED Downlights (Cooper) <small>(26 51 19 00-0105)</small></b>		
26 51 19 00-0125 EA 600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827).....	139.07	45.90
<i>For &gt;50 To 100, Deduct</i>	-5.20	
<i>For &gt;100 To 250, Deduct</i>	-8.67	
<i>For &gt;250 To 500, Deduct</i>	-13.91	
<i>For &gt;500, Deduct</i>	-19.14	
26 51 19 00-0126 EA 600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830).....	139.07	45.90
<i>For &gt;50 To 100, Deduct</i>	-5.20	
<i>For &gt;100 To 250, Deduct</i>	-8.67	
<i>For &gt;250 To 500, Deduct</i>	-13.91	
<i>For &gt;500, Deduct</i>	-19.14	
26 51 19 00-0127 EA 600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835).....	139.07	45.90
<i>For &gt;50 To 100, Deduct</i>	-5.20	
<i>For &gt;100 To 250, Deduct</i>	-8.67	
<i>For &gt;250 To 500, Deduct</i>	-13.91	
<i>For &gt;500, Deduct</i>	-19.14	
26 51 19 00-0128 EA 600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840).....	139.07	45.90
<i>For &gt;50 To 100, Deduct</i>	-5.20	
<i>For &gt;100 To 250, Deduct</i>	-8.67	
<i>For &gt;250 To 500, Deduct</i>	-13.91	
<i>For &gt;500, Deduct</i>	-19.14	
26 51 19 00-0129 EA 900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827).....	141.69	45.90
<i>For &gt;50 To 100, Deduct</i>	-5.26	
<i>For &gt;100 To 250, Deduct</i>	-8.81	
<i>For &gt;250 To 500, Deduct</i>	-14.17	
<i>For &gt;500, Deduct</i>	-19.53	
26 51 19 00-0130 EA 900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830).....	141.69	45.90
<i>For &gt;50 To 100, Deduct</i>	-5.26	
<i>For &gt;100 To 250, Deduct</i>	-8.81	
<i>For &gt;250 To 500, Deduct</i>	-14.17	
<i>For &gt;500, Deduct</i>	-19.53	
26 51 19 00-0131 EA 900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835).....	141.69	45.90
<i>For &gt;50 To 100, Deduct</i>	-5.26	
<i>For &gt;100 To 250, Deduct</i>	-8.81	
<i>For &gt;250 To 500, Deduct</i>	-14.17	
<i>For &gt;500, Deduct</i>	-19.53	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0132	EA	900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840).....	141.69	45.90
			<i>For &gt;50 To 100, Deduct</i>	-5.26	
			<i>For &gt;100 To 250, Deduct</i>	-8.81	
			<i>For &gt;250 To 500, Deduct</i>	-14.17	
			<i>For &gt;500, Deduct</i>	-19.53	
26 51	19 00-0133	EA	1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827).....	177.15	45.90
			<i>For &gt;50 To 100, Deduct</i>	-6.15	
			<i>For &gt;100 To 250, Deduct</i>	-10.58	
			<i>For &gt;250 To 500, Deduct</i>	-17.72	
			<i>For &gt;500, Deduct</i>	-24.85	
26 51	19 00-0134	EA	1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830).....	175.35	45.90
			<i>For &gt;50 To 100, Deduct</i>	-6.11	
			<i>For &gt;100 To 250, Deduct</i>	-10.49	
			<i>For &gt;250 To 500, Deduct</i>	-17.54	
			<i>For &gt;500, Deduct</i>	-24.58	
26 51	19 00-0135	EA	1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835).....	175.35	45.90
			<i>For &gt;50 To 100, Deduct</i>	-6.11	
			<i>For &gt;100 To 250, Deduct</i>	-10.49	
			<i>For &gt;250 To 500, Deduct</i>	-17.54	
			<i>For &gt;500, Deduct</i>	-24.58	
26 51	19 00-0136	EA	1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840).....	175.35	45.90
			<i>For &gt;50 To 100, Deduct</i>	-6.11	
			<i>For &gt;100 To 250, Deduct</i>	-10.49	
			<i>For &gt;250 To 500, Deduct</i>	-17.54	
			<i>For &gt;500, Deduct</i>	-24.58	
26 51	19 00-0137	EA	5" LED Trim, Polymer Dead-Front, Shallow White Baffle And Flange (Cooper Halo 591WB).....	85.00	14.61
			<i>For &gt;50 To 100, Deduct</i>	-2.67	
			<i>For &gt;100 To 250, Deduct</i>	-4.80	
			<i>For &gt;250 To 500, Deduct</i>	-8.50	
			<i>For &gt;500, Deduct</i>	-12.20	
26 51	19 00-0138	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC).....	52.55	14.61
			<i>For &gt;50 To 100, Deduct</i>	-1.86	
			<i>For &gt;100 To 250, Deduct</i>	-3.18	
			<i>For &gt;250 To 500, Deduct</i>	-5.26	
			<i>For &gt;500, Deduct</i>	-7.33	
26 51	19 00-0139	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H).....	66.52	14.61
			<i>For &gt;50 To 100, Deduct</i>	-2.21	
			<i>For &gt;100 To 250, Deduct</i>	-3.87	
			<i>For &gt;250 To 500, Deduct</i>	-6.65	
			<i>For &gt;500, Deduct</i>	-9.43	
26 51	19 00-0140	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W).....	55.36	14.61
			<i>For &gt;50 To 100, Deduct</i>	-1.93	
			<i>For &gt;100 To 250, Deduct</i>	-3.32	
			<i>For &gt;250 To 500, Deduct</i>	-5.54	
			<i>For &gt;500, Deduct</i>	-7.76	
26 51	19 00-0141	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB).....	43.95	14.61
			<i>For &gt;50 To 100, Deduct</i>	-1.65	
			<i>For &gt;100 To 250, Deduct</i>	-2.75	
			<i>For &gt;250 To 500, Deduct</i>	-4.40	
			<i>For &gt;500, Deduct</i>	-6.04	
26 51	19 00-0142	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB).....	54.86	14.61
			<i>For &gt;50 To 100, Deduct</i>	-1.92	
			<i>For &gt;100 To 250, Deduct</i>	-3.29	
			<i>For &gt;250 To 500, Deduct</i>	-5.49	
			<i>For &gt;500, Deduct</i>	-7.68	
26 51	19 00-0143	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB).....	61.50	14.61
			<i>For &gt;50 To 100, Deduct</i>	-2.09	
			<i>For &gt;100 To 250, Deduct</i>	-3.62	
			<i>For &gt;250 To 500, Deduct</i>	-6.15	
			<i>For &gt;500, Deduct</i>	-8.68	
26 51	19 00-0144	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB).....	67.43	14.61
			<i>For &gt;50 To 100, Deduct</i>	-2.23	
			<i>For &gt;100 To 250, Deduct</i>	-3.92	
			<i>For &gt;250 To 500, Deduct</i>	-6.74	
			<i>For &gt;500, Deduct</i>	-9.57	
26 51	19 00-0145	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB).....	78.99	14.61
			<i>For &gt;50 To 100, Deduct</i>	-2.52	
			<i>For &gt;100 To 250, Deduct</i>	-4.50	
			<i>For &gt;250 To 500, Deduct</i>	-7.90	
			<i>For &gt;500, Deduct</i>	-11.30	
26 51	19 00-0146	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB).....	79.36	14.61
			<i>For &gt;50 To 100, Deduct</i>	-2.53	
			<i>For &gt;100 To 250, Deduct</i>	-4.52	
			<i>For &gt;250 To 500, Deduct</i>	-7.94	
			<i>For &gt;500, Deduct</i>	-11.36	
26 51	19 00-0147	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB).....	77.70	14.61
			<i>For &gt;50 To 100, Deduct</i>	-2.49	
			<i>For &gt;100 To 250, Deduct</i>	-4.43	
			<i>For &gt;250 To 500, Deduct</i>	-7.77	
			<i>For &gt;500, Deduct</i>	-11.11	
26 51	19 00-0148	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW).....	96.67	14.61
			<i>For &gt;50 To 100, Deduct</i>	-2.96	
			<i>For &gt;100 To 250, Deduct</i>	-5.38	
			<i>For &gt;250 To 500, Deduct</i>	-9.67	
			<i>For &gt;500, Deduct</i>	-13.95	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0149	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB) .....	44.35	14.61
			<i>For &gt;50 To 100, Deduct</i>	-1.66	
			<i>For &gt;100 To 250, Deduct</i>	-2.77	
			<i>For &gt;250 To 500, Deduct</i>	-4.44	
			<i>For &gt;500, Deduct</i>	-6.10	
26 51	19 00-0150	EA	6" LED Trim, Polymer Dead-Front, White Shallow Baffle And Flange (Cooper Halo 691WB) .....	82.23	14.61
			<i>For &gt;50 To 100, Deduct</i>	-2.60	
			<i>For &gt;100 To 250, Deduct</i>	-4.66	
			<i>For &gt;250 To 500, Deduct</i>	-8.22	
			<i>For &gt;500, Deduct</i>	-11.79	
26 51	19 00-0151	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC) .....	69.46	14.61
			<i>For &gt;50 To 100, Deduct</i>	-2.28	
			<i>For &gt;100 To 250, Deduct</i>	-4.02	
			<i>For &gt;250 To 500, Deduct</i>	-6.95	
			<i>For &gt;500, Deduct</i>	-9.87	
26 51	19 00-0152	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H) .....	64.98	14.61
			<i>For &gt;50 To 100, Deduct</i>	-2.17	
			<i>For &gt;100 To 250, Deduct</i>	-3.80	
			<i>For &gt;250 To 500, Deduct</i>	-6.50	
			<i>For &gt;500, Deduct</i>	-9.20	
26 51	19 00-0153	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W) .....	57.59	14.61
			<i>For &gt;50 To 100, Deduct</i>	-1.99	
			<i>For &gt;100 To 250, Deduct</i>	-3.43	
			<i>For &gt;250 To 500, Deduct</i>	-5.76	
			<i>For &gt;500, Deduct</i>	-8.09	
26 51	19 00-0154	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB) .....	58.12	14.61
			<i>For &gt;50 To 100, Deduct</i>	-2.00	
			<i>For &gt;100 To 250, Deduct</i>	-3.45	
			<i>For &gt;250 To 500, Deduct</i>	-5.81	
			<i>For &gt;500, Deduct</i>	-8.17	
26 51	19 00-0155	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB) .....	62.86	14.61
			<i>For &gt;50 To 100, Deduct</i>	-2.12	
			<i>For &gt;100 To 250, Deduct</i>	-3.69	
			<i>For &gt;250 To 500, Deduct</i>	-6.29	
			<i>For &gt;500, Deduct</i>	-8.88	
26 51	19 00-0156	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB) .....	57.30	14.61
			<i>For &gt;50 To 100, Deduct</i>	-1.98	
			<i>For &gt;100 To 250, Deduct</i>	-3.41	
			<i>For &gt;250 To 500, Deduct</i>	-5.73	
			<i>For &gt;500, Deduct</i>	-8.05	
26 51	19 00-0157	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB) .....	72.42	14.61
			<i>For &gt;50 To 100, Deduct</i>	-2.36	
			<i>For &gt;100 To 250, Deduct</i>	-4.17	
			<i>For &gt;250 To 500, Deduct</i>	-7.24	
			<i>For &gt;500, Deduct</i>	-10.32	
26 51	19 00-0158	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB) .....	78.79	14.61
			<i>For &gt;50 To 100, Deduct</i>	-2.52	
			<i>For &gt;100 To 250, Deduct</i>	-4.49	
			<i>For &gt;250 To 500, Deduct</i>	-7.88	
			<i>For &gt;500, Deduct</i>	-11.27	
26 51	19 00-0159	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB) .....	99.99	14.61
			<i>For &gt;50 To 100, Deduct</i>	-3.05	
			<i>For &gt;100 To 250, Deduct</i>	-5.55	
			<i>For &gt;250 To 500, Deduct</i>	-10.00	
			<i>For &gt;500, Deduct</i>	-14.45	
26 51	19 00-0160	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB) .....	97.34	14.61
			<i>For &gt;50 To 100, Deduct</i>	-2.98	
			<i>For &gt;100 To 250, Deduct</i>	-5.41	
			<i>For &gt;250 To 500, Deduct</i>	-9.73	
			<i>For &gt;500, Deduct</i>	-14.05	
26 51	19 00-0161	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW) .....	98.51	14.61
			<i>For &gt;50 To 100, Deduct</i>	-3.01	
			<i>For &gt;100 To 250, Deduct</i>	-5.47	
			<i>For &gt;250 To 500, Deduct</i>	-9.85	
			<i>For &gt;500, Deduct</i>	-14.23	
26 51	19 00-0162	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB) .....	58.76	14.61
			<i>For &gt;50 To 100, Deduct</i>	-2.02	
			<i>For &gt;100 To 250, Deduct</i>	-3.49	
			<i>For &gt;250 To 500, Deduct</i>	-5.88	
			<i>For &gt;500, Deduct</i>	-8.27	
26 51	19 00-0163	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT) .....	52.64	31.29
			<i>For &gt;50 To 100, Deduct</i>	-2.49	
			<i>For &gt;100 To 250, Deduct</i>	-3.81	
			<i>For &gt;250 To 500, Deduct</i>	-5.26	
			<i>For &gt;500, Deduct</i>	-6.72	
26 51	19 00-0164	EA	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT) .....	57.83	31.29
			<i>For &gt;50 To 100, Deduct</i>	-2.62	
			<i>For &gt;100 To 250, Deduct</i>	-4.07	
			<i>For &gt;250 To 500, Deduct</i>	-5.78	
			<i>For &gt;500, Deduct</i>	-7.50	
26 51	19 00-0165	EA	6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T) .....	55.75	31.29
			<i>For &gt;50 To 100, Deduct</i>	-2.57	
			<i>For &gt;100 To 250, Deduct</i>	-3.96	
			<i>For &gt;250 To 500, Deduct</i>	-5.58	
			<i>For &gt;500, Deduct</i>	-7.19	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0166	EA	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP) .....	76.21	31.29
			<i>For &gt;50 To 100, Deduct</i>	-3.08	
			<i>For &gt;100 To 250, Deduct</i>	-4.98	
			<i>For &gt;250 To 500, Deduct</i>	-7.62	
			<i>For &gt;500, Deduct</i>	-10.26	
26 51	19 00-0167	EA	6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT) .....	73.81	31.29
			<i>For &gt;50 To 100, Deduct</i>	-3.02	
			<i>For &gt;100 To 250, Deduct</i>	-4.86	
			<i>For &gt;250 To 500, Deduct</i>	-7.38	
			<i>For &gt;500, Deduct</i>	-9.90	
26 51	19 00-0168	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT) .....	58.54	31.29
			<i>For &gt;50 To 100, Deduct</i>	-2.64	
			<i>For &gt;100 To 250, Deduct</i>	-4.10	
			<i>For &gt;250 To 500, Deduct</i>	-5.85	
			<i>For &gt;500, Deduct</i>	-7.61	
26 51	19 00-0169	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT) .....	62.03	31.29
			<i>For &gt;50 To 100, Deduct</i>	-2.72	
			<i>For &gt;100 To 250, Deduct</i>	-4.28	
			<i>For &gt;250 To 500, Deduct</i>	-6.20	
			<i>For &gt;500, Deduct</i>	-8.13	
26 51	19 00-0170	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT) .....	57.81	31.29
			<i>For &gt;50 To 100, Deduct</i>	-2.62	
			<i>For &gt;100 To 250, Deduct</i>	-4.06	
			<i>For &gt;250 To 500, Deduct</i>	-5.78	
			<i>For &gt;500, Deduct</i>	-7.50	
26 51	19 00-0171	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT) .....	61.64	31.29
			<i>For &gt;50 To 100, Deduct</i>	-2.71	
			<i>For &gt;100 To 250, Deduct</i>	-4.26	
			<i>For &gt;250 To 500, Deduct</i>	-6.16	
			<i>For &gt;500, Deduct</i>	-8.07	
26 51	19 00-0172	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB).....	58.45	31.29
			<i>For &gt;50 To 100, Deduct</i>	-2.63	
			<i>For &gt;100 To 250, Deduct</i>	-4.10	
			<i>For &gt;250 To 500, Deduct</i>	-5.85	
			<i>For &gt;500, Deduct</i>	-7.59	
26 51	19 00-0173	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB).....	58.09	31.29
			<i>For &gt;50 To 100, Deduct</i>	-2.63	
			<i>For &gt;100 To 250, Deduct</i>	-4.08	
			<i>For &gt;250 To 500, Deduct</i>	-5.81	
			<i>For &gt;500, Deduct</i>	-7.54	
26 51	19 00-0174	EA	6" Non-IC, New Construction Housing (Cooper Halo H7T) .....	60.85	31.29
			<i>For &gt;50 To 100, Deduct</i>	-2.69	
			<i>For &gt;100 To 250, Deduct</i>	-4.22	
			<i>For &gt;250 To 500, Deduct</i>	-6.09	
			<i>For &gt;500, Deduct</i>	-7.95	
26 51	19 00-0175	EA	6" Non-IC, Remodel Housing (Cooper Halo H7RT) .....	62.35	31.29
			<i>For &gt;50 To 100, Deduct</i>	-2.73	
			<i>For &gt;100 To 250, Deduct</i>	-4.29	
			<i>For &gt;250 To 500, Deduct</i>	-6.24	
			<i>For &gt;500, Deduct</i>	-8.18	
26 51	19 00-0176	EA	6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB) .....	62.82	31.29
			<i>For &gt;50 To 100, Deduct</i>	-2.74	
			<i>For &gt;100 To 250, Deduct</i>	-4.31	
			<i>For &gt;250 To 500, Deduct</i>	-6.28	
			<i>For &gt;500, Deduct</i>	-8.25	
26 51	19 00-0177	EA	6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP) .....	86.00	31.29
			<i>For &gt;50 To 100, Deduct</i>	-3.32	
			<i>For &gt;100 To 250, Deduct</i>	-5.47	
			<i>For &gt;250 To 500, Deduct</i>	-8.60	
			<i>For &gt;500, Deduct</i>	-11.73	
26 51	19 00-0178	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICAT).....	80.18	31.29
			<i>For &gt;50 To 100, Deduct</i>	-3.18	
			<i>For &gt;100 To 250, Deduct</i>	-5.18	
			<i>For &gt;250 To 500, Deduct</i>	-8.02	
			<i>For &gt;500, Deduct</i>	-10.85	
26 51	19 00-0179	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT).....	80.86	31.29
			<i>For &gt;50 To 100, Deduct</i>	-3.20	
			<i>For &gt;100 To 250, Deduct</i>	-5.22	
			<i>For &gt;250 To 500, Deduct</i>	-8.09	
			<i>For &gt;500, Deduct</i>	-10.96	
26 51	19 00-0180	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT) .....	84.75	31.29
			<i>For &gt;50 To 100, Deduct</i>	-3.29	
			<i>For &gt;100 To 250, Deduct</i>	-5.41	
			<i>For &gt;250 To 500, Deduct</i>	-8.48	
			<i>For &gt;500, Deduct</i>	-11.54	
26 51	19 00-0181	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700ART) .....	84.75	31.29
			<i>For &gt;50 To 100, Deduct</i>	-3.29	
			<i>For &gt;100 To 250, Deduct</i>	-5.41	
			<i>For &gt;250 To 500, Deduct</i>	-8.48	
			<i>For &gt;500, Deduct</i>	-11.54	
26 51	19 00-0182	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700) .....	84.75	31.29
			<i>For &gt;50 To 100, Deduct</i>	-3.29	
			<i>For &gt;100 To 250, Deduct</i>	-5.41	
			<i>For &gt;250 To 500, Deduct</i>	-8.48	
			<i>For &gt;500, Deduct</i>	-11.54	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0183 EA 6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R) .....	84.75	31.29
For >50 To 100, Deduct	-3.29	
For >100 To 250, Deduct	-5.41	
For >250 To 500, Deduct	-8.48	
For >500, Deduct	-11.54	
26 51 19 00-0184 EA 6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB) .....	84.75	31.29
For >50 To 100, Deduct	-3.29	
For >100 To 250, Deduct	-5.41	
For >250 To 500, Deduct	-8.48	
For >500, Deduct	-11.54	
26 51 19 00-0185 EA 6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB) .....	74.57	31.29
For >50 To 100, Deduct	-3.04	
For >100 To 250, Deduct	-4.90	
For >250 To 500, Deduct	-7.46	
For >500, Deduct	-10.01	
26 51 19 00-0186 EA 6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U) .....	74.57	31.29
For >50 To 100, Deduct	-3.04	
For >100 To 250, Deduct	-4.90	
For >250 To 500, Deduct	-7.46	
For >500, Deduct	-10.01	
26 51 19 00-0187 EA 6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT) .....	74.57	31.29
For >50 To 100, Deduct	-3.04	
For >100 To 250, Deduct	-4.90	
For >250 To 500, Deduct	-7.46	
For >500, Deduct	-10.01	
26 51 19 00-0188 EA 6" Non-IC, New Construction Housing (Cooper Halo ET700) .....	74.57	31.29
For >50 To 100, Deduct	-3.04	
For >100 To 250, Deduct	-4.90	
For >250 To 500, Deduct	-7.46	
For >500, Deduct	-10.01	
26 51 19 00-0189 EA 6" Non-IC, Remodel Housing (Cooper Halo ET700R) .....	74.57	31.29
For >50 To 100, Deduct	-3.04	
For >100 To 250, Deduct	-4.90	
For >250 To 500, Deduct	-7.46	
For >500, Deduct	-10.01	
26 51 19 00-0190 EA 6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT) .....	75.32	31.29
For >50 To 100, Deduct	-3.06	
For >100 To 250, Deduct	-4.94	
For >250 To 500, Deduct	-7.53	
For >500, Deduct	-10.12	
26 51 19 00-0191 EA 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT) .....	86.74	31.29
For >50 To 100, Deduct	-3.34	
For >100 To 250, Deduct	-5.51	
For >250 To 500, Deduct	-8.67	
For >500, Deduct	-11.84	
26 51 19 00-0192 EA 6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT) .....	75.32	31.29
For >50 To 100, Deduct	-3.06	
For >100 To 250, Deduct	-4.94	
For >250 To 500, Deduct	-7.53	
For >500, Deduct	-10.12	
26 51 19 00-0193 EA 6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT) .....	83.51	31.29
For >50 To 100, Deduct	-3.26	
For >100 To 250, Deduct	-5.35	
For >250 To 500, Deduct	-8.35	
For >500, Deduct	-11.35	
26 51 19 00-0194 EA 6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T) .....	70.68	31.29
For >50 To 100, Deduct	-2.94	
For >100 To 250, Deduct	-4.71	
For >250 To 500, Deduct	-7.07	
For >500, Deduct	-9.43	
26 51 19 00-0195 EA 6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT) .....	71.81	31.29
For >50 To 100, Deduct	-2.97	
For >100 To 250, Deduct	-4.76	
For >250 To 500, Deduct	-7.18	
For >500, Deduct	-9.60	
26 51 19 00-0196 EA 6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT) .....	79.80	31.29
For >50 To 100, Deduct	-3.17	
For >100 To 250, Deduct	-5.16	
For >250 To 500, Deduct	-7.98	
For >500, Deduct	-10.80	
26 51 19 00-0197 EA 6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700) .....	79.80	31.29
For >50 To 100, Deduct	-3.17	
For >100 To 250, Deduct	-5.16	
For >250 To 500, Deduct	-7.98	
For >500, Deduct	-10.80	
26 51 19 00-0198 EA 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R) .....	79.80	31.29
For >50 To 100, Deduct	-3.17	
For >100 To 250, Deduct	-5.16	
For >250 To 500, Deduct	-7.98	
For >500, Deduct	-10.80	
26 51 19 00-0199 EA 6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700) .....	79.80	31.29
For >50 To 100, Deduct	-3.17	
For >100 To 250, Deduct	-5.16	
For >250 To 500, Deduct	-7.98	
For >500, Deduct	-10.80	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0200	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R).....	79.80	31.29
			<i>For &gt;50 To 100, Deduct</i>	-3.17	
			<i>For &gt;100 To 250, Deduct</i>	-5.16	
			<i>For &gt;250 To 500, Deduct</i>	-7.98	
			<i>For &gt;500, Deduct</i>	-10.80	
26 51	19 00-0201	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK).....	67.19	14.61
			<i>For &gt;50 To 100, Deduct</i>	-2.23	
			<i>For &gt;100 To 250, Deduct</i>	-3.91	
			<i>For &gt;250 To 500, Deduct</i>	-6.72	
			<i>For &gt;500, Deduct</i>	-9.53	
26 51	19 00-0202	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK) .....	69.52	14.61
			<i>For &gt;50 To 100, Deduct</i>	-2.29	
			<i>For &gt;100 To 250, Deduct</i>	-4.02	
			<i>For &gt;250 To 500, Deduct</i>	-6.95	
			<i>For &gt;500, Deduct</i>	-9.88	
26 51	19 00-0203	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT) .....	65.63	31.29
			<i>For &gt;50 To 100, Deduct</i>	-2.81	
			<i>For &gt;100 To 250, Deduct</i>	-4.46	
			<i>For &gt;250 To 500, Deduct</i>	-6.56	
			<i>For &gt;500, Deduct</i>	-8.67	
26 51	19 00-0204	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT).....	65.91	31.29
			<i>For &gt;50 To 100, Deduct</i>	-2.82	
			<i>For &gt;100 To 250, Deduct</i>	-4.47	
			<i>For &gt;250 To 500, Deduct</i>	-6.59	
			<i>For &gt;500, Deduct</i>	-8.71	
26 51	19 00-0205	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT) .....	61.09	31.29
			<i>For &gt;50 To 100, Deduct</i>	-2.70	
			<i>For &gt;100 To 250, Deduct</i>	-4.23	
			<i>For &gt;250 To 500, Deduct</i>	-6.11	
			<i>For &gt;500, Deduct</i>	-7.99	
26 51	19 00-0206	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT) .....	63.46	31.29
			<i>For &gt;50 To 100, Deduct</i>	-2.76	
			<i>For &gt;100 To 250, Deduct</i>	-4.35	
			<i>For &gt;250 To 500, Deduct</i>	-6.35	
			<i>For &gt;500, Deduct</i>	-8.35	
26 51	19 00-0207	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T).....	62.68	31.29
			<i>For &gt;50 To 100, Deduct</i>	-2.74	
			<i>For &gt;100 To 250, Deduct</i>	-4.31	
			<i>For &gt;250 To 500, Deduct</i>	-6.27	
			<i>For &gt;500, Deduct</i>	-8.23	
26 51	19 00-0208	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT) .....	63.40	31.29
			<i>For &gt;50 To 100, Deduct</i>	-2.76	
			<i>For &gt;100 To 250, Deduct</i>	-4.34	
			<i>For &gt;250 To 500, Deduct</i>	-6.34	
			<i>For &gt;500, Deduct</i>	-8.34	
26 51	19 00-0209	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT) .....	73.56	31.29
			<i>For &gt;50 To 100, Deduct</i>	-3.01	
			<i>For &gt;100 To 250, Deduct</i>	-4.85	
			<i>For &gt;250 To 500, Deduct</i>	-7.36	
			<i>For &gt;500, Deduct</i>	-9.86	
26 51	19 00-0210	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT) .....	74.11	31.29
			<i>For &gt;50 To 100, Deduct</i>	-3.03	
			<i>For &gt;100 To 250, Deduct</i>	-4.88	
			<i>For &gt;250 To 500, Deduct</i>	-7.41	
			<i>For &gt;500, Deduct</i>	-9.94	
26 51	19 00-0211	EA	5" Non-IC, New Construction Housing (Cooper Halo ET500).....	76.84	31.29
			<i>For &gt;50 To 100, Deduct</i>	-3.09	
			<i>For &gt;100 To 250, Deduct</i>	-5.02	
			<i>For &gt;250 To 500, Deduct</i>	-7.68	
			<i>For &gt;500, Deduct</i>	-10.35	
26 51	19 00-0212	EA	5" Non-IC, Remodel Housing (Cooper Halo ET500R) .....	78.75	31.29
			<i>For &gt;50 To 100, Deduct</i>	-3.14	
			<i>For &gt;100 To 250, Deduct</i>	-5.11	
			<i>For &gt;250 To 500, Deduct</i>	-7.88	
			<i>For &gt;500, Deduct</i>	-10.64	
26 51	19 00-0213	EA	5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT).....	87.16	31.29
			<i>For &gt;50 To 100, Deduct</i>	-3.35	
			<i>For &gt;100 To 250, Deduct</i>	-5.53	
			<i>For &gt;250 To 500, Deduct</i>	-8.72	
			<i>For &gt;500, Deduct</i>	-11.90	
26 51	19 00-0214		<b>Recessed LED Downlights (Maxlite DLR)</b> <small>(26 51 19 00-0105)</small>		
26 51	19 00-0215	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410) .....	157.38	45.90
			<i>For &gt;50 To 100, Deduct</i>	-5.66	
			<i>For &gt;100 To 250, Deduct</i>	-9.59	
			<i>For &gt;250 To 500, Deduct</i>	-15.74	
			<i>For &gt;500, Deduct</i>	-21.89	
26 51	19 00-0216	EA	4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415) .....	159.65	45.90
			<i>For &gt;50 To 100, Deduct</i>	-5.71	
			<i>For &gt;100 To 250, Deduct</i>	-9.70	
			<i>For &gt;250 To 500, Deduct</i>	-15.97	
			<i>For &gt;500, Deduct</i>	-22.23	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0217	EA	4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420) .....	166.46	45.90
			<i>For &gt;50 To 100, Deduct</i>	-5.88	
			<i>For &gt;100 To 250, Deduct</i>	-10.04	
			<i>For &gt;250 To 500, Deduct</i>	-16.65	
			<i>For &gt;500, Deduct</i>	-23.25	
26 51	19 00-0218	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615) .....	152.83	45.90
			<i>For &gt;50 To 100, Deduct</i>	-5.54	
			<i>For &gt;100 To 250, Deduct</i>	-9.36	
			<i>For &gt;250 To 500, Deduct</i>	-15.28	
			<i>For &gt;500, Deduct</i>	-21.20	
26 51	19 00-0219	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620) .....	152.83	45.90
			<i>For &gt;50 To 100, Deduct</i>	-5.54	
			<i>For &gt;100 To 250, Deduct</i>	-9.36	
			<i>For &gt;250 To 500, Deduct</i>	-15.28	
			<i>For &gt;500, Deduct</i>	-21.20	
26 51	19 00-0220	EA	6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630) .....	152.83	45.90
			<i>For &gt;50 To 100, Deduct</i>	-5.54	
			<i>For &gt;100 To 250, Deduct</i>	-9.36	
			<i>For &gt;250 To 500, Deduct</i>	-15.28	
			<i>For &gt;500, Deduct</i>	-21.20	
26 51	19 00-0221	EA	8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810) .....	166.46	45.90
			<i>For &gt;50 To 100, Deduct</i>	-5.88	
			<i>For &gt;100 To 250, Deduct</i>	-10.04	
			<i>For &gt;250 To 500, Deduct</i>	-16.65	
			<i>For &gt;500, Deduct</i>	-23.25	
26 51	19 00-0222	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815) .....	168.73	45.90
			<i>For &gt;50 To 100, Deduct</i>	-5.94	
			<i>For &gt;100 To 250, Deduct</i>	-10.16	
			<i>For &gt;250 To 500, Deduct</i>	-16.87	
			<i>For &gt;500, Deduct</i>	-23.59	
26 51	19 00-0223	EA	8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820) .....	173.26	45.90
			<i>For &gt;50 To 100, Deduct</i>	-6.05	
			<i>For &gt;100 To 250, Deduct</i>	-10.38	
			<i>For &gt;250 To 500, Deduct</i>	-17.33	
			<i>For &gt;500, Deduct</i>	-24.27	
26 51	19 00-0224	EA	8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830) .....	186.88	45.90
			<i>For &gt;50 To 100, Deduct</i>	-6.39	
			<i>For &gt;100 To 250, Deduct</i>	-11.07	
			<i>For &gt;250 To 500, Deduct</i>	-18.69	
			<i>For &gt;500, Deduct</i>	-26.31	
26 51	19 00-0225	EA	8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850) .....	205.05	45.90
			<i>For &gt;50 To 100, Deduct</i>	-6.85	
			<i>For &gt;100 To 250, Deduct</i>	-11.97	
			<i>For &gt;250 To 500, Deduct</i>	-20.51	
			<i>For &gt;500, Deduct</i>	-29.04	
26 51	19 00-0226		<b>Recessed LED Downlight Retrofits And Trim (CREE®)</b> <small>(26 51 19 00-0104)</small>		
26 51	19 00-0227		<b>Recessed LED Downlight Retrofits (CREE®)</b> <small>(26 51 19 00-0226)</small>		
			Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.		
26 51	19 00-0228	EA	4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L) .....	88.05	
			<i>For &gt;50 To 100, Deduct</i>	-2.85	
			<i>For &gt;100 To 250, Deduct</i>	-5.05	
			<i>For &gt;250 To 500, Deduct</i>	-8.81	
			<i>For &gt;500, Deduct</i>	-12.56	
26 51	19 00-0229	EA	6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L) .....	78.00	
			<i>For &gt;50 To 100, Deduct</i>	-2.60	
			<i>For &gt;100 To 250, Deduct</i>	-4.55	
			<i>For &gt;250 To 500, Deduct</i>	-7.80	
			<i>For &gt;500, Deduct</i>	-11.05	
26 51	19 00-0230	EA	6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L) .....	98.10	
			<i>For &gt;50 To 100, Deduct</i>	-3.10	
			<i>For &gt;100 To 250, Deduct</i>	-5.56	
			<i>For &gt;250 To 500, Deduct</i>	-9.81	
			<i>For &gt;500, Deduct</i>	-14.06	
26 51	19 00-0231	EA	6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277) .....	109.82	
			<i>For &gt;50 To 100, Deduct</i>	-3.40	
			<i>For &gt;100 To 250, Deduct</i>	-6.14	
			<i>For &gt;250 To 500, Deduct</i>	-10.98	
			<i>For &gt;500, Deduct</i>	-15.82	
26 51	19 00-0232	EA	6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR) .....	119.87	
			<i>For &gt;50 To 100, Deduct</i>	-3.65	
			<i>For &gt;100 To 250, Deduct</i>	-6.65	
			<i>For &gt;250 To 500, Deduct</i>	-11.99	
			<i>For &gt;500, Deduct</i>	-17.33	
26 51	19 00-0233		<b>Recessed LED Downlight Retrofits Trim (CREE®)</b> <small>(26 51 19 00-0226)</small>		
			Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		
26 51	19 00-0234	EA	6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX) .....	32.39	7.30
			<i>For &gt;50 To 100, Deduct</i>	-1.20	
			<i>For &gt;100 To 250, Deduct</i>	-2.01	
			<i>For &gt;250 To 500, Deduct</i>	-3.24	
			<i>For &gt;500, Deduct</i>	-4.47	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0235	EA	6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP) .....	39.10	7.30
			<i>For &gt;50 To 100, Deduct</i>	-1.37	
			<i>For &gt;100 To 250, Deduct</i>	-2.35	
			<i>For &gt;250 To 500, Deduct</i>	-3.91	
			<i>For &gt;500, Deduct</i>	-5.47	
26 51	19 00-0236	EA	6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB).....	34.07	7.30
			<i>For &gt;50 To 100, Deduct</i>	-1.24	
			<i>For &gt;100 To 250, Deduct</i>	-2.09	
			<i>For &gt;250 To 500, Deduct</i>	-3.41	
			<i>For &gt;500, Deduct</i>	-4.72	
<b>26 51</b>	<b>19 00-0237</b>		<b>Recessed LED Downlight Fixture Housings (CREE®)</b> <small>(26 51 19 00-0226)</small>		
			Note: Excludes lamp and trim.		
26 51	19 00-0238	EA	6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6) .....	87.14	31.29
			<i>For &gt;50 To 100, Deduct</i>	-3.35	
			<i>For &gt;100 To 250, Deduct</i>	-5.53	
			<i>For &gt;250 To 500, Deduct</i>	-8.71	
			<i>For &gt;500, Deduct</i>	-11.90	
26 51	19 00-0239	EA	6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6).....	63.68	31.29
			<i>For &gt;50 To 100, Deduct</i>	-2.77	
			<i>For &gt;100 To 250, Deduct</i>	-4.36	
			<i>For &gt;250 To 500, Deduct</i>	-6.37	
			<i>For &gt;500, Deduct</i>	-8.38	
<b>26 51</b>	<b>19 00-0240</b>		<b>Can Retrofit Or Surface Mount, LED Downlights</b> <small>(26 51 19 00-0104)</small>		
26 51	19 00-0241	EA	6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6) .....	88.25	28.58
			<i>For &gt;50 To 100, Deduct</i>	-3.28	
			<i>For &gt;100 To 250, Deduct</i>	-5.48	
			<i>For &gt;250 To 500, Deduct</i>	-8.83	
			<i>For &gt;500, Deduct</i>	-12.17	
26 51	19 00-0242	EA	4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D).....	70.62	28.58
			<i>For &gt;50 To 100, Deduct</i>	-2.84	
			<i>For &gt;100 To 250, Deduct</i>	-4.60	
			<i>For &gt;250 To 500, Deduct</i>	-7.06	
			<i>For &gt;500, Deduct</i>	-9.52	
26 51	19 00-0243	EA	6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D).....	70.62	28.58
			<i>For &gt;50 To 100, Deduct</i>	-2.84	
			<i>For &gt;100 To 250, Deduct</i>	-4.60	
			<i>For &gt;250 To 500, Deduct</i>	-7.06	
			<i>For &gt;500, Deduct</i>	-9.52	
26 51	19 00-0244	EA	6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP) .....	123.92	28.58
			<i>For Recessed IC/Non-IC Rated Housing For New Construction, Add</i>	44.59	
			<i>For &gt;50 To 100, Deduct</i>	-4.17	
			<i>For &gt;100 To 250, Deduct</i>	-7.27	
			<i>For &gt;250 To 500, Deduct</i>	-12.39	
			<i>For &gt;500, Deduct</i>	-17.52	
26 51	19 00-0245	EA	4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840) .....	59.95	28.58
			<i>For &gt;50 To 100, Deduct</i>	-2.57	
			<i>For &gt;100 To 250, Deduct</i>	-4.07	
			<i>For &gt;250 To 500, Deduct</i>	-6.00	
			<i>For &gt;500, Deduct</i>	-7.92	
26 51	19 00-0246	EA	5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840).....	66.81	28.58
			<i>For &gt;50 To 100, Deduct</i>	-2.74	
			<i>For &gt;100 To 250, Deduct</i>	-4.41	
			<i>For &gt;250 To 500, Deduct</i>	-6.68	
			<i>For &gt;500, Deduct</i>	-8.95	
26 51	19 00-0247	EA	6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM) .....	847.05	28.58
			<i>For &gt;50 To 100, Deduct</i>	-22.25	
			<i>For &gt;100 To 250, Deduct</i>	-43.42	
			<i>For &gt;250 To 500, Deduct</i>	-84.71	
			<i>For &gt;500, Deduct</i>	-125.99	
<b>26 51</b>	<b>19 00-0248</b>		<b>Wall Mount LED Cylinder Downlight</b> <small>(26 51 19 00-0001)</small>		
26 51	19 00-0249	EA	9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9).....	348.25	44.40
			<i>For &gt;50 To 100, Deduct</i>	-10.37	
			<i>For &gt;100 To 250, Deduct</i>	-19.08	
			<i>For &gt;250 To 500, Deduct</i>	-34.83	
			<i>For &gt;500, Deduct</i>	-50.57	
<b>26 51</b>	<b>19 00-0250</b>		<b>Wall Sconce And Wall Wash LED Fixtures</b> <small>(26 51 19 00-0001)</small>		
<b>26 51</b>	<b>19 00-0251</b>		<b>LED Wall Sconce Fixtures (Hudson Valley Lighting)</b> <small>(26 51 19 00-0250)</small>		
26 51	19 00-0252	EA	2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN) .....	482.67	41.73
			<i>For &gt;50 To 100, Deduct</i>	-13.63	
			<i>For &gt;100 To 250, Deduct</i>	-25.70	
			<i>For &gt;250 To 500, Deduct</i>	-48.27	
			<i>For &gt;500, Deduct</i>	-70.84	
<b>26 51</b>	<b>19 00-0253</b>		<b>LED Wall Sconce Fixtures (Kichler)</b> <small>(26 51 19 00-0250)</small>		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0254	EA		6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED).....	265.99	41.73
			<i>For &gt;50 To 100, Deduct</i>	-8.21	
			<i>For &gt;100 To 250, Deduct</i>	-14.86	
			<i>For &gt;250 To 500, Deduct</i>	-26.60	
			<i>For &gt;500, Deduct</i>	-38.33	
<b>26 51 19 00-0255</b>			<b>LED Wall Sconce Fixtures (Metalux)</b> <small>(26 51 19 00-0250)</small>		
26 51 19 00-0256	EA		9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN).....	143.24	41.73
			<i>For &gt;50 To 100, Deduct</i>	-5.15	
			<i>For &gt;100 To 250, Deduct</i>	-8.73	
			<i>For &gt;250 To 500, Deduct</i>	-14.32	
			<i>For &gt;500, Deduct</i>	-19.92	
26 51 19 00-0257	EA		5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH) .....	133.16	41.73
			<i>For &gt;50 To 100, Deduct</i>	-4.89	
			<i>For &gt;100 To 250, Deduct</i>	-8.22	
			<i>For &gt;250 To 500, Deduct</i>	-13.32	
			<i>For &gt;500, Deduct</i>	-18.41	
<b>26 51 19 00-0258</b>			<b>Concealed Continuous LED Fixtures</b> <small>(26 51 19 00-0001)</small>		
<b>26 51 19 00-0259</b>			<b>Concealed Continuous LED Fixtures (Fraqtir™ S301)</b> <small>(26 51 19 00-0258)</small>		
26 51 19 00-0260	LF		Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301) .....	663.98	4.76
			<i>For &gt;50 To 100, Deduct</i>	-16.84	
			<i>For &gt;100 To 250, Deduct</i>	-33.44	
			<i>For &gt;250 To 500, Deduct</i>	-66.40	
			<i>For &gt;500, Deduct</i>	-99.36	
26 51 19 00-0261	LF		Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301).....	757.16	4.76
			<i>For &gt;50 To 100, Deduct</i>	-19.17	
			<i>For &gt;100 To 250, Deduct</i>	-38.10	
			<i>For &gt;250 To 500, Deduct</i>	-75.72	
			<i>For &gt;500, Deduct</i>	-113.34	
<b>26 51 19 00-0262</b>			<b>Low Bay LED Fixtures</b> <small>(26 51 19 00-0001)</small>		
<b>26 51 19 00-0263</b>			<b>LED Linear Low Bay Fixtures (PlanLED)</b> <small>(26 51 19 00-0262)</small>		
26 51 19 00-0264	EA		4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4) .....	331.17	57.18
			<i>For &gt;50 To 100, Deduct</i>	-10.66	
			<i>For &gt;100 To 250, Deduct</i>	-18.94	
			<i>For &gt;250 To 500, Deduct</i>	-33.12	
			<i>For &gt;500, Deduct</i>	-47.29	
26 51 19 00-0265	EA		4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A).....	453.05	57.18
			<i>For &gt;50 To 100, Deduct</i>	-13.71	
			<i>For &gt;100 To 250, Deduct</i>	-25.03	
			<i>For &gt;250 To 500, Deduct</i>	-45.31	
			<i>For &gt;500, Deduct</i>	-65.58	
26 51 19 00-0266	EA		8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A).....	757.96	71.47
			<i>For &gt;50 To 100, Deduct</i>	-21.93	
			<i>For &gt;100 To 250, Deduct</i>	-40.88	
			<i>For &gt;250 To 500, Deduct</i>	-75.80	
			<i>For &gt;500, Deduct</i>	-110.72	
<b>26 51 19 00-0267</b>			<b>LED Low Bay Fixtures (CREE®)</b> <small>(26 51 19 00-0262)</small>		
<b>26 51 19 00-0268</b>			<b>LED Low Bay Fixtures (CREE® LS)</b> <small>(26 51 19 00-0267)</small>		
			Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0269	EA		2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V) .....	261.85	57.18
			<i>For &gt;50 To 100, Deduct</i>	-8.93	
			<i>For &gt;100 To 250, Deduct</i>	-15.47	
			<i>For &gt;250 To 500, Deduct</i>	-26.19	
			<i>For &gt;500, Deduct</i>	-36.90	
26 51 19 00-0270	EA		2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V) .....	278.93	57.18
			<i>For &gt;50 To 100, Deduct</i>	-9.36	
			<i>For &gt;100 To 250, Deduct</i>	-16.33	
			<i>For &gt;250 To 500, Deduct</i>	-27.89	
			<i>For &gt;500, Deduct</i>	-39.46	
26 51 19 00-0271	EA		4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V) .....	268.97	57.18
			<i>For &gt;50 To 100, Deduct</i>	-9.11	
			<i>For &gt;100 To 250, Deduct</i>	-15.83	
			<i>For &gt;250 To 500, Deduct</i>	-26.90	
			<i>For &gt;500, Deduct</i>	-37.96	
26 51 19 00-0272	EA		4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V) .....	286.05	57.18
			<i>For &gt;50 To 100, Deduct</i>	-9.53	
			<i>For &gt;100 To 250, Deduct</i>	-16.68	
			<i>For &gt;250 To 500, Deduct</i>	-28.61	
			<i>For &gt;500, Deduct</i>	-40.53	
26 51 19 00-0273	EA		5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V) .....	298.86	57.18
			<i>For &gt;50 To 100, Deduct</i>	-9.85	
			<i>For &gt;100 To 250, Deduct</i>	-17.33	
			<i>For &gt;250 To 500, Deduct</i>	-29.89	
			<i>For &gt;500, Deduct</i>	-42.45	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0274	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V).....	315.95	57.18
			<i>For &gt;50 To 100, Deduct</i>	-10.28	
			<i>For &gt;100 To 250, Deduct</i>	-18.18	
			<i>For &gt;250 To 500, Deduct</i>	-31.60	
			<i>For &gt;500, Deduct</i>	-45.01	
26 51	19 00-0275	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V).....	418.06	71.47
			<i>For &gt;50 To 100, Deduct</i>	-13.43	
			<i>For &gt;100 To 250, Deduct</i>	-23.88	
			<i>For &gt;250 To 500, Deduct</i>	-41.81	
			<i>For &gt;500, Deduct</i>	-59.73	
26 51	19 00-0276	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V).....	449.38	71.47
			<i>For &gt;50 To 100, Deduct</i>	-14.21	
			<i>For &gt;100 To 250, Deduct</i>	-25.45	
			<i>For &gt;250 To 500, Deduct</i>	-44.94	
			<i>For &gt;500, Deduct</i>	-64.43	
26 51	19 00-0277	EA	10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V).....	514.87	71.47
			<i>For &gt;50 To 100, Deduct</i>	-15.85	
			<i>For &gt;100 To 250, Deduct</i>	-28.72	
			<i>For &gt;250 To 500, Deduct</i>	-51.49	
			<i>For &gt;500, Deduct</i>	-74.25	
26 51	19 00-0278	EA	10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V).....	531.95	71.47
			<i>For &gt;50 To 100, Deduct</i>	-16.28	
			<i>For &gt;100 To 250, Deduct</i>	-29.58	
			<i>For &gt;250 To 500, Deduct</i>	-53.20	
			<i>For &gt;500, Deduct</i>	-76.81	
<b>26 51 19 00-0279 LED Low Bay Fixtures (CREE® LN) <small>(26 51 19 00-0267)</small></b>					
Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.					
26 51	19 00-0280	EA	3,400 Lumens, 4' Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V) .....	577.89	57.18
			<i>For &gt;50 To 100, Deduct</i>	-16.83	
			<i>For &gt;100 To 250, Deduct</i>	-31.28	
			<i>For &gt;250 To 500, Deduct</i>	-57.79	
			<i>For &gt;500, Deduct</i>	-84.30	
26 51	19 00-0281	EA	3,400 Lumens, 4' Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA) .....	649.07	57.18
			<i>For &gt;50 To 100, Deduct</i>	-18.61	
			<i>For &gt;100 To 250, Deduct</i>	-34.84	
			<i>For &gt;250 To 500, Deduct</i>	-64.91	
			<i>For &gt;500, Deduct</i>	-94.98	
<b>26 51 19 00-0282 LED Linear Low Bay Fixtures (CREE® CS) <small>(26 51 19 00-0267)</small></b>					
Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.					
26 51	19 00-0283	EA	2,200 Lumens, 4' Length, LED Low Bay Fixture, 0-10V Dimming (Cree® CS14™) .....	426.90	57.18
			<i>For &gt;50 To 100, Deduct</i>	-13.05	
			<i>For &gt;100 To 250, Deduct</i>	-23.73	
			<i>For &gt;250 To 500, Deduct</i>	-42.69	
			<i>For &gt;500, Deduct</i>	-61.65	
26 51	19 00-0284	EA	3,800 Lumens, 4' Length, LED Low Bay Fixture, 0-10V Dimming (Cree® CS14™) .....	505.63	57.18
			<i>For &gt;50 To 100, Deduct</i>	-15.02	
			<i>For &gt;100 To 250, Deduct</i>	-27.66	
			<i>For &gt;250 To 500, Deduct</i>	-50.56	
			<i>For &gt;500, Deduct</i>	-73.46	
26 51	19 00-0285	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™).....	563.70	57.18
			<i>For &gt;50 To 100, Deduct</i>	-16.47	
			<i>For &gt;100 To 250, Deduct</i>	-30.57	
			<i>For &gt;250 To 500, Deduct</i>	-56.37	
			<i>For &gt;500, Deduct</i>	-82.17	
26 51	19 00-0286	EA	7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	699.72	71.47
			<i>For &gt;50 To 100, Deduct</i>	-20.47	
			<i>For &gt;100 To 250, Deduct</i>	-37.96	
			<i>For &gt;250 To 500, Deduct</i>	-69.97	
			<i>For &gt;500, Deduct</i>	-101.98	
26 51	19 00-0287	EA	8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	885.63	71.47
			<i>For &gt;50 To 100, Deduct</i>	-25.12	
			<i>For &gt;100 To 250, Deduct</i>	-47.26	
			<i>For &gt;250 To 500, Deduct</i>	-88.56	
			<i>For &gt;500, Deduct</i>	-129.87	
26 51	19 00-0288	EA	4,000 Lumens, 4' Length, High Efficacy, LED Low Bay Fixture, Smartcast Technology (Cree® CS14-40LHE™) .....	529.48	57.18
			<i>For &gt;50 To 100, Deduct</i>	-15.62	
			<i>For &gt;100 To 250, Deduct</i>	-28.86	
			<i>For &gt;250 To 500, Deduct</i>	-52.95	
			<i>For &gt;500, Deduct</i>	-77.04	
26 51	19 00-0289	EA	3,800 Lumens, 4' Length, High Efficacy, LED Low Bay Fixture, Smartcast Technology (Cree® CS14-38L™) .....	572.61	57.18
			<i>For &gt;50 To 100, Deduct</i>	-16.70	
			<i>For &gt;100 To 250, Deduct</i>	-31.01	
			<i>For &gt;250 To 500, Deduct</i>	-57.26	
			<i>For &gt;500, Deduct</i>	-83.51	
26 51	19 00-0290	EA	8,000 Lumens, 8' Length, High Efficacy, LED Low Bay Fixture, Smartcast Technology (Cree® CS18-80LHE™) .....	842.29	71.47
			<i>For &gt;50 To 100, Deduct</i>	-24.04	
			<i>For &gt;100 To 250, Deduct</i>	-45.09	
			<i>For &gt;250 To 500, Deduct</i>	-84.23	
			<i>For &gt;500, Deduct</i>	-123.37	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0291	EA	7,500 Lumens, 8' Length, High Efficacy, LED Low Bay Fixture, Smartcast Technology (Cree® CS18-75L™) .....	662.92	71.47
			<i>For &gt;50 To 100, Deduct</i>	-19.55	
			<i>For &gt;100 To 250, Deduct</i>	-36.12	
			<i>For &gt;250 To 500, Deduct</i>	-66.29	
			<i>For &gt;500, Deduct</i>	-96.46	
<b>26 51</b>	<b>19 00-0292</b>		<b>Accessories For LED Low Bay Fixtures (CREE®)</b> <small>(26 51 19 00-0267)</small>		
26 51	19 00-0293	EA	Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK) .....	51.26	15.68
			<i>For &gt;50 To 100, Deduct</i>	-1.93	
			<i>For &gt;100 To 250, Deduct</i>	-3.22	
			<i>For &gt;250 To 500, Deduct</i>	-5.13	
			<i>For &gt;500, Deduct</i>	-7.04	
26 51	19 00-0294	EA	Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK) .....	56.28	15.68
			<i>For &gt;50 To 100, Deduct</i>	-2.06	
			<i>For &gt;100 To 250, Deduct</i>	-3.47	
			<i>For &gt;250 To 500, Deduct</i>	-5.63	
			<i>For &gt;500, Deduct</i>	-7.79	
26 51	19 00-0295	EA	Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ) .....	42.87	15.68
			<i>For &gt;50 To 100, Deduct</i>	-1.73	
			<i>For &gt;100 To 250, Deduct</i>	-2.80	
			<i>For &gt;250 To 500, Deduct</i>	-4.29	
			<i>For &gt;500, Deduct</i>	-5.78	
26 51	19 00-0296	EA	Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ) .....	34.50	15.68
			<i>For &gt;50 To 100, Deduct</i>	-1.52	
			<i>For &gt;100 To 250, Deduct</i>	-2.38	
			<i>For &gt;250 To 500, Deduct</i>	-3.45	
			<i>For &gt;500, Deduct</i>	-4.52	
26 51	19 00-0297	EA	Solid Reflector, Pair (Cree® LS4-SR) .....	109.87	15.68
			<i>For &gt;50 To 100, Deduct</i>	-3.40	
			<i>For &gt;100 To 250, Deduct</i>	-6.15	
			<i>For &gt;250 To 500, Deduct</i>	-10.99	
			<i>For &gt;500, Deduct</i>	-15.83	
26 51	19 00-0298	EA	Solid Reflector, Pair (Cree® LS8-SR) .....	151.75	15.68
			<i>For &gt;50 To 100, Deduct</i>	-4.45	
			<i>For &gt;100 To 250, Deduct</i>	-8.24	
			<i>For &gt;250 To 500, Deduct</i>	-15.18	
			<i>For &gt;500, Deduct</i>	-22.11	
26 51	19 00-0299	EA	5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB) .....	56.28	15.68
			<i>For &gt;50 To 100, Deduct</i>	-2.06	
			<i>For &gt;100 To 250, Deduct</i>	-3.47	
			<i>For &gt;250 To 500, Deduct</i>	-5.63	
			<i>For &gt;500, Deduct</i>	-7.79	
26 51	19 00-0300	EA	5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB) .....	79.73	15.68
			<i>For &gt;50 To 100, Deduct</i>	-2.65	
			<i>For &gt;100 To 250, Deduct</i>	-4.64	
			<i>For &gt;250 To 500, Deduct</i>	-7.97	
			<i>For &gt;500, Deduct</i>	-11.31	
26 51	19 00-0301	EA	5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB) .....	62.97	15.68
			<i>For &gt;50 To 100, Deduct</i>	-2.23	
			<i>For &gt;100 To 250, Deduct</i>	-3.80	
			<i>For &gt;250 To 500, Deduct</i>	-6.30	
			<i>For &gt;500, Deduct</i>	-8.79	
26 51	19 00-0302	EA	5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB) .....	84.75	15.68
			<i>For &gt;50 To 100, Deduct</i>	-2.77	
			<i>For &gt;100 To 250, Deduct</i>	-4.89	
			<i>For &gt;250 To 500, Deduct</i>	-8.48	
			<i>For &gt;500, Deduct</i>	-12.06	
26 51	19 00-0303	EA	5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB) .....	89.78	15.68
			<i>For &gt;50 To 100, Deduct</i>	-2.90	
			<i>For &gt;100 To 250, Deduct</i>	-5.14	
			<i>For &gt;250 To 500, Deduct</i>	-8.98	
			<i>For &gt;500, Deduct</i>	-12.81	
26 51	19 00-0304	EA	5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB) .....	76.37	15.68
			<i>For &gt;50 To 100, Deduct</i>	-2.56	
			<i>For &gt;100 To 250, Deduct</i>	-4.47	
			<i>For &gt;250 To 500, Deduct</i>	-7.64	
			<i>For &gt;500, Deduct</i>	-10.80	
26 51	19 00-0305	EA	5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB) .....	114.89	15.68
			<i>For &gt;50 To 100, Deduct</i>	-3.53	
			<i>For &gt;100 To 250, Deduct</i>	-6.40	
			<i>For &gt;250 To 500, Deduct</i>	-11.49	
			<i>For &gt;500, Deduct</i>	-16.58	
26 51	19 00-0306	EA	Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC) .....	59.63	15.68
			<i>For &gt;50 To 100, Deduct</i>	-2.14	
			<i>For &gt;100 To 250, Deduct</i>	-3.63	
			<i>For &gt;250 To 500, Deduct</i>	-5.96	
			<i>For &gt;500, Deduct</i>	-8.29	
26 51	19 00-0307	EA	Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC) .....	73.02	15.68
			<i>For &gt;50 To 100, Deduct</i>	-2.48	
			<i>For &gt;100 To 250, Deduct</i>	-4.30	
			<i>For &gt;250 To 500, Deduct</i>	-7.30	
			<i>For &gt;500, Deduct</i>	-10.30	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0308	EA	Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC).....	56.28	15.68
			<i>For &gt;50 To 100, Deduct</i>	-2.06	
			<i>For &gt;100 To 250, Deduct</i>	-3.47	
			<i>For &gt;250 To 500, Deduct</i>	-5.63	
			<i>For &gt;500, Deduct</i>	-7.79	
26 51	19 00-0309	EA	Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W) .....	1,103.93	38.11
			<i>For &gt;50 To 100, Deduct</i>	-29.03	
			<i>For &gt;100 To 250, Deduct</i>	-56.63	
			<i>For &gt;250 To 500, Deduct</i>	-110.39	
			<i>For &gt;500, Deduct</i>	-164.16	
26 51	19 00-0310	EA	120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120).....	392.14	38.11
			<i>For &gt;50 To 100, Deduct</i>	-11.23	
			<i>For &gt;100 To 250, Deduct</i>	-21.04	
			<i>For &gt;250 To 500, Deduct</i>	-39.21	
			<i>For &gt;500, Deduct</i>	-57.39	
26 51	19 00-0311		<b>LED Linear Low Bay Fixtures (Lithonia MSL)</b> <small>(26 51 19 00-0262)</small> Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51	19 00-0312	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL).....	895.89	57.18
			<i>For &gt;50 To 100, Deduct</i>	-24.78	
			<i>For &gt;100 To 250, Deduct</i>	-47.18	
			<i>For &gt;250 To 500, Deduct</i>	-89.59	
			<i>For &gt;500, Deduct</i>	-132.00	
26 51	19 00-0313		<b>High Bay LED Fixtures</b> <small>(26 51 19 00-0001)</small>		
26 51	19 00-0314		<b>LED High Bay Fixtures (Columbia Lighting LWS)</b> <small>(26 51 19 00-0313)</small>		
26 51	19 00-0315	EA	16" x 24", 7,909 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-LW-W-EU).....	451.01	104.82
			<i>For &gt;50 To 100, Deduct</i>	-16.52	
			<i>For &gt;100 To 250, Deduct</i>	-27.79	
			<i>For &gt;250 To 500, Deduct</i>	-45.10	
			<i>For &gt;500, Deduct</i>	-62.41	
26 51	19 00-0316	EA	16" x 24", 8,526 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-LW-W-EU).....	451.01	104.82
			<i>For &gt;50 To 100, Deduct</i>	-16.52	
			<i>For &gt;100 To 250, Deduct</i>	-27.79	
			<i>For &gt;250 To 500, Deduct</i>	-45.10	
			<i>For &gt;500, Deduct</i>	-62.41	
26 51	19 00-0317	EA	16" x 24", 11,812 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-ML-W-EU) .....	508.94	104.82
			<i>For &gt;50 To 100, Deduct</i>	-17.96	
			<i>For &gt;100 To 250, Deduct</i>	-30.69	
			<i>For &gt;250 To 500, Deduct</i>	-50.89	
			<i>For &gt;500, Deduct</i>	-71.10	
26 51	19 00-0318	EA	16" x 24", 12,734 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-ML-W-EU) .....	508.94	104.82
			<i>For &gt;50 To 100, Deduct</i>	-17.96	
			<i>For &gt;100 To 250, Deduct</i>	-30.69	
			<i>For &gt;250 To 500, Deduct</i>	-50.89	
			<i>For &gt;500, Deduct</i>	-71.10	
26 51	19 00-0319	EA	16" x 24", 14,813 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-HL-W-EU).....	605.48	104.82
			<i>For &gt;50 To 100, Deduct</i>	-20.38	
			<i>For &gt;100 To 250, Deduct</i>	-35.52	
			<i>For &gt;250 To 500, Deduct</i>	-60.55	
			<i>For &gt;500, Deduct</i>	-85.58	
26 51	19 00-0320	EA	16" x 24", 15,968 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-HL-W-EU).....	605.48	104.82
			<i>For &gt;50 To 100, Deduct</i>	-20.38	
			<i>For &gt;100 To 250, Deduct</i>	-35.52	
			<i>For &gt;250 To 500, Deduct</i>	-60.55	
			<i>For &gt;500, Deduct</i>	-85.58	
26 51	19 00-0321	EA	16" x 24", 18,714 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-VL-W-EU).....	644.10	104.82
			<i>For &gt;50 To 100, Deduct</i>	-21.34	
			<i>For &gt;100 To 250, Deduct</i>	-37.45	
			<i>For &gt;250 To 500, Deduct</i>	-64.41	
			<i>For &gt;500, Deduct</i>	-91.37	
26 51	19 00-0322	EA	16" x 24", 19,511 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-VL-W-EU).....	644.10	104.82
			<i>For &gt;50 To 100, Deduct</i>	-21.34	
			<i>For &gt;100 To 250, Deduct</i>	-37.45	
			<i>For &gt;250 To 500, Deduct</i>	-64.41	
			<i>For &gt;500, Deduct</i>	-91.37	
26 51	19 00-0323	EA	16" x 24", 22,994 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-XL-W-EU).....	673.07	104.82
			<i>For &gt;50 To 100, Deduct</i>	-22.07	
			<i>For &gt;100 To 250, Deduct</i>	-38.89	
			<i>For &gt;250 To 500, Deduct</i>	-67.31	
			<i>For &gt;500, Deduct</i>	-95.72	
26 51	19 00-0324	EA	16" x 24", 24,787 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-XL-W-EU).....	673.07	104.82
			<i>For &gt;50 To 100, Deduct</i>	-22.07	
			<i>For &gt;100 To 250, Deduct</i>	-38.89	
			<i>For &gt;250 To 500, Deduct</i>	-67.31	
			<i>For &gt;500, Deduct</i>	-95.72	
26 51	19 00-0325		<b>LED High Bay Fixtures (Cree)</b> <small>(26 51 19 00-0313)</small>		
26 51	19 00-0326		<b>LED High Bay Fixtures (CREE®)</b> <small>(26 51 19 00-0325)</small>		





<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0327	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V) .....	692.24	104.82
			<i>For &gt;50 To 100, Deduct</i>	-22.55	
			<i>For &gt;100 To 250, Deduct</i>	-39.85	
			<i>For &gt;250 To 500, Deduct</i>	-69.22	
			<i>For &gt;500, Deduct</i>	-98.60	
26 51	19 00-0328	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML) .....	829.31	104.82
			<i>For &gt;50 To 100, Deduct</i>	-25.97	
			<i>For &gt;100 To 250, Deduct</i>	-46.71	
			<i>For &gt;250 To 500, Deduct</i>	-82.93	
			<i>For &gt;500, Deduct</i>	-119.16	
26 51	19 00-0329	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V) .....	762.33	104.82
			<i>For &gt;50 To 100, Deduct</i>	-24.30	
			<i>For &gt;100 To 250, Deduct</i>	-43.36	
			<i>For &gt;250 To 500, Deduct</i>	-76.23	
			<i>For &gt;500, Deduct</i>	-109.11	
26 51	19 00-0330	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML) .....	871.20	104.82
			<i>For &gt;50 To 100, Deduct</i>	-27.02	
			<i>For &gt;100 To 250, Deduct</i>	-48.80	
			<i>For &gt;250 To 500, Deduct</i>	-87.12	
			<i>For &gt;500, Deduct</i>	-125.44	
26 51	19 00-0331	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V) .....	716.44	104.82
			<i>For &gt;50 To 100, Deduct</i>	-23.15	
			<i>For &gt;100 To 250, Deduct</i>	-41.06	
			<i>For &gt;250 To 500, Deduct</i>	-71.64	
			<i>For &gt;500, Deduct</i>	-102.23	
26 51	19 00-0332	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML) .....	854.44	104.82
			<i>For &gt;50 To 100, Deduct</i>	-26.60	
			<i>For &gt;100 To 250, Deduct</i>	-47.96	
			<i>For &gt;250 To 500, Deduct</i>	-85.44	
			<i>For &gt;500, Deduct</i>	-122.93	
26 51	19 00-0333	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V) .....	787.45	104.82
			<i>For &gt;50 To 100, Deduct</i>	-24.93	
			<i>For &gt;100 To 250, Deduct</i>	-44.61	
			<i>For &gt;250 To 500, Deduct</i>	-78.75	
			<i>For &gt;500, Deduct</i>	-112.88	
26 51	19 00-0334	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML) .....	896.31	104.82
			<i>For &gt;50 To 100, Deduct</i>	-27.65	
			<i>For &gt;100 To 250, Deduct</i>	-50.06	
			<i>For &gt;250 To 500, Deduct</i>	-89.63	
			<i>For &gt;500, Deduct</i>	-129.21	
<b>26 51 19 00-0335 Accessories For LED High Bay Fixtures (CREE®) (26 51 19 00-0325)</b>					
26 51	19 00-0336	EA	15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P) .....	51.26	15.68
			<i>For &gt;50 To 100, Deduct</i>	-1.93	
			<i>For &gt;100 To 250, Deduct</i>	-3.22	
			<i>For &gt;250 To 500, Deduct</i>	-5.13	
			<i>For &gt;500, Deduct</i>	-7.04	
26 51	19 00-0337	EA	15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P) .....	51.26	15.68
			<i>For &gt;50 To 100, Deduct</i>	-1.93	
			<i>For &gt;100 To 250, Deduct</i>	-3.22	
			<i>For &gt;250 To 500, Deduct</i>	-5.13	
			<i>For &gt;500, Deduct</i>	-7.04	
26 51	19 00-0338	EA	16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N) .....	68.00	15.68
			<i>For &gt;50 To 100, Deduct</i>	-2.35	
			<i>For &gt;100 To 250, Deduct</i>	-4.05	
			<i>For &gt;250 To 500, Deduct</i>	-6.80	
			<i>For &gt;500, Deduct</i>	-9.55	
26 51	19 00-0339	EA	16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16) .....	101.49	15.68
			<i>For &gt;50 To 100, Deduct</i>	-3.19	
			<i>For &gt;100 To 250, Deduct</i>	-5.73	
			<i>For &gt;250 To 500, Deduct</i>	-10.15	
			<i>For &gt;500, Deduct</i>	-14.57	
26 51	19 00-0340	EA	16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16) .....	118.25	15.68
			<i>For &gt;50 To 100, Deduct</i>	-3.61	
			<i>For &gt;100 To 250, Deduct</i>	-6.57	
			<i>For &gt;250 To 500, Deduct</i>	-11.83	
			<i>For &gt;500, Deduct</i>	-17.08	
26 51	19 00-0341	EA	16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16) .....	68.00	15.68
			<i>For &gt;50 To 100, Deduct</i>	-2.35	
			<i>For &gt;100 To 250, Deduct</i>	-4.05	
			<i>For &gt;250 To 500, Deduct</i>	-6.80	
			<i>For &gt;500, Deduct</i>	-9.55	
26 51	19 00-0342	EA	16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16) .....	69.68	15.68
			<i>For &gt;50 To 100, Deduct</i>	-2.40	
			<i>For &gt;100 To 250, Deduct</i>	-4.14	
			<i>For &gt;250 To 500, Deduct</i>	-6.97	
			<i>For &gt;500, Deduct</i>	-9.80	
26 51	19 00-0343	EA	16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A) .....	51.26	15.68
			<i>For &gt;50 To 100, Deduct</i>	-1.93	
			<i>For &gt;100 To 250, Deduct</i>	-3.22	
			<i>For &gt;250 To 500, Deduct</i>	-5.13	
			<i>For &gt;500, Deduct</i>	-7.04	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0344	EA	16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP).....	54.60	15.68
			<i>For &gt;50 To 100, Deduct</i>	-2.02	
			<i>For &gt;100 To 250, Deduct</i>	-3.38	
			<i>For &gt;250 To 500, Deduct</i>	-5.46	
			<i>For &gt;500, Deduct</i>	-7.54	
26 51	19 00-0345	EA	5' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5) .....	36.18	15.68
			<i>For &gt;50 To 100, Deduct</i>	-1.56	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.62	
			<i>For &gt;500, Deduct</i>	-4.77	
26 51	19 00-0346	EA	10' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10) .....	37.86	15.68
			<i>For &gt;50 To 100, Deduct</i>	-1.60	
			<i>For &gt;100 To 250, Deduct</i>	-2.55	
			<i>For &gt;250 To 500, Deduct</i>	-3.79	
			<i>For &gt;500, Deduct</i>	-5.03	
<b>26 51</b>	<b>19 00-0347</b>		<b>LED High Bay Fixtures (DLE) (26 51 19 00-0313)</b>		
26 51	19 00-0348	EA	12,000 Lumens, 120 Watt, LED High Bay Fixture (DLE-12-ST/HV) .....	1,308.47	104.82
			<i>For &gt;50 To 100, Deduct</i>	-37.95	
			<i>For &gt;100 To 250, Deduct</i>	-70.66	
			<i>For &gt;250 To 500, Deduct</i>	-130.85	
			<i>For &gt;500, Deduct</i>	-191.03	
26 51	19 00-0349	EA	18,000 Lumens, 180 Watt, LED High Bay Fixture (DLE-18-ST/HV) .....	1,611.19	104.82
			<i>For &gt;50 To 100, Deduct</i>	-45.52	
			<i>For &gt;100 To 250, Deduct</i>	-85.80	
			<i>For &gt;250 To 500, Deduct</i>	-161.12	
			<i>For &gt;500, Deduct</i>	-236.44	
26 51	19 00-0350	EA	24,000 Lumens, 230 Watt, LED High Bay Fixture (DLE-24-ST/HV) .....	1,892.28	104.82
			<i>For &gt;50 To 100, Deduct</i>	-52.55	
			<i>For &gt;100 To 250, Deduct</i>	-99.86	
			<i>For &gt;250 To 500, Deduct</i>	-189.23	
			<i>For &gt;500, Deduct</i>	-278.60	
<b>26 51</b>	<b>19 00-0351</b>		<b>LED High Bay Fixtures (Everlast) (26 51 19 00-0313)</b>		
<b>26 51</b>	<b>19 00-0352</b>		<b>LED High Bay Fixtures (Everlast EL-LED-LG) (26 51 19 00-0351)</b>		
26 51	19 00-0353	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC).....	877.98	104.82
			<i>For &gt;50 To 100, Deduct</i>	-27.19	
			<i>For &gt;100 To 250, Deduct</i>	-49.14	
			<i>For &gt;250 To 500, Deduct</i>	-87.80	
			<i>For &gt;500, Deduct</i>	-126.46	
26 51	19 00-0354	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO).....	929.09	104.82
			<i>For &gt;50 To 100, Deduct</i>	-28.47	
			<i>For &gt;100 To 250, Deduct</i>	-51.70	
			<i>For &gt;250 To 500, Deduct</i>	-92.91	
			<i>For &gt;500, Deduct</i>	-134.12	
26 51	19 00-0355	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16) .....	826.87	104.82
			<i>For &gt;50 To 100, Deduct</i>	-25.91	
			<i>For &gt;100 To 250, Deduct</i>	-46.58	
			<i>For &gt;250 To 500, Deduct</i>	-82.69	
			<i>For &gt;500, Deduct</i>	-118.79	
26 51	19 00-0356	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22) .....	848.49	104.82
			<i>For &gt;50 To 100, Deduct</i>	-26.45	
			<i>For &gt;100 To 250, Deduct</i>	-47.67	
			<i>For &gt;250 To 500, Deduct</i>	-84.85	
			<i>For &gt;500, Deduct</i>	-122.03	
26 51	19 00-0357	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC).....	966.44	104.82
			<i>For &gt;50 To 100, Deduct</i>	-29.40	
			<i>For &gt;100 To 250, Deduct</i>	-53.56	
			<i>For &gt;250 To 500, Deduct</i>	-96.64	
			<i>For &gt;500, Deduct</i>	-139.73	
26 51	19 00-0358	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO).....	1,054.89	104.82
			<i>For &gt;50 To 100, Deduct</i>	-31.61	
			<i>For &gt;100 To 250, Deduct</i>	-57.99	
			<i>For &gt;250 To 500, Deduct</i>	-105.49	
			<i>For &gt;500, Deduct</i>	-152.99	
26 51	19 00-0359	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16) .....	919.26	104.82
			<i>For &gt;50 To 100, Deduct</i>	-28.22	
			<i>For &gt;100 To 250, Deduct</i>	-51.20	
			<i>For &gt;250 To 500, Deduct</i>	-91.93	
			<i>For &gt;500, Deduct</i>	-132.65	
26 51	19 00-0360	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22) .....	995.92	104.82
			<i>For &gt;50 To 100, Deduct</i>	-30.14	
			<i>For &gt;100 To 250, Deduct</i>	-55.04	
			<i>For &gt;250 To 500, Deduct</i>	-99.59	
			<i>For &gt;500, Deduct</i>	-144.15	
26 51	19 00-0361	EA	34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30) .....	1,457.86	104.82
			<i>For &gt;50 To 100, Deduct</i>	-41.69	
			<i>For &gt;100 To 250, Deduct</i>	-78.13	
			<i>For &gt;250 To 500, Deduct</i>	-145.79	
			<i>For &gt;500, Deduct</i>	-213.44	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0362 EA 43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30) .....	1,595.46	104.82
For >50 To 100, Deduct	-45.13	
For >100 To 250, Deduct	-85.01	
For >250 To 500, Deduct	-159.55	
For >500, Deduct	-234.08	
26 51 19 00-0363 EA 66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30) .....	1,988.60	104.82
For >50 To 100, Deduct	-54.96	
For >100 To 250, Deduct	-104.67	
For >250 To 500, Deduct	-198.86	
For >500, Deduct	-293.05	
<b>26 51 19 00-0364 LED High Bay Fixtures (Everlast EL-LED-CS) (26 51 19 00-0351)</b>		
26 51 19 00-0365 EA 5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS) .....	543.81	104.82
For >50 To 100, Deduct	-18.84	
For >100 To 250, Deduct	-32.43	
For >250 To 500, Deduct	-54.38	
For >500, Deduct	-76.33	
26 51 19 00-0366 EA 10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS) .....	809.18	104.82
For >50 To 100, Deduct	-25.47	
For >100 To 250, Deduct	-45.70	
For >250 To 500, Deduct	-80.92	
For >500, Deduct	-116.14	
26 51 19 00-0367 EA 15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS) .....	927.12	104.82
For >50 To 100, Deduct	-28.42	
For >100 To 250, Deduct	-51.60	
For >250 To 500, Deduct	-92.71	
For >500, Deduct	-133.83	
26 51 19 00-0368 EA 20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS) .....	1,064.72	104.82
For >50 To 100, Deduct	-31.86	
For >100 To 250, Deduct	-58.48	
For >250 To 500, Deduct	-106.47	
For >500, Deduct	-154.47	
26 51 19 00-0369 EA 30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS) .....	1,153.18	104.82
For >50 To 100, Deduct	-34.07	
For >100 To 250, Deduct	-62.90	
For >250 To 500, Deduct	-115.32	
For >500, Deduct	-167.74	
<b>26 51 19 00-0370 LED High Bay Fixtures (Everlast EL-LED-HB-LG) (26 51 19 00-0351)</b>		
26 51 19 00-0371 EA 10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG) .....	720.72	104.82
For >50 To 100, Deduct	-23.26	
For >100 To 250, Deduct	-41.28	
For >250 To 500, Deduct	-72.07	
For >500, Deduct	-102.87	
26 51 19 00-0372 EA 15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG) .....	769.87	104.82
For >50 To 100, Deduct	-24.49	
For >100 To 250, Deduct	-43.73	
For >250 To 500, Deduct	-76.99	
For >500, Deduct	-110.24	
26 51 19 00-0373 EA 20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG) .....	838.67	104.82
For >50 To 100, Deduct	-26.21	
For >100 To 250, Deduct	-47.17	
For >250 To 500, Deduct	-83.87	
For >500, Deduct	-120.56	
<b>26 51 19 00-0374 LED High Bay Fixtures (Everlast EL-LED-LHB) (26 51 19 00-0351)</b>		
26 51 19 00-0375 EA 13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB) .....	732.52	104.82
For >50 To 100, Deduct	-23.55	
For >100 To 250, Deduct	-41.87	
For >250 To 500, Deduct	-73.25	
For >500, Deduct	-104.64	
26 51 19 00-0376 EA 26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB) .....	907.47	104.82
For >50 To 100, Deduct	-27.93	
For >100 To 250, Deduct	-50.61	
For >250 To 500, Deduct	-90.75	
For >500, Deduct	-130.88	
26 51 19 00-0377 EA 39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB) .....	1,133.52	104.82
For >50 To 100, Deduct	-33.58	
For >100 To 250, Deduct	-61.92	
For >250 To 500, Deduct	-113.35	
For >500, Deduct	-164.79	
<b>26 51 19 00-0378 LED High Bay Fixtures (Lithonia IBL) (26 51 19 00-0313)</b>		
Note: Includes aluminum alloy chassis.		
26 51 19 00-0379 EA 9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L) .....	577.47	104.82
For >50 To 100, Deduct	-19.68	
For >100 To 250, Deduct	-34.11	
For >250 To 500, Deduct	-57.75	
For >500, Deduct	-81.38	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0380	EA		12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L) .....	625.74	104.82
			<i>For &gt;50 To 100, Deduct</i>	-20.88	
			<i>For &gt;100 To 250, Deduct</i>	-36.53	
			<i>For &gt;250 To 500, Deduct</i>	-62.57	
			<i>For &gt;500, Deduct</i>	-88.62	
26 51 19 00-0381	EA		18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L) .....	756.08	104.82
			<i>For &gt;50 To 100, Deduct</i>	-24.14	
			<i>For &gt;100 To 250, Deduct</i>	-43.05	
			<i>For &gt;250 To 500, Deduct</i>	-75.61	
			<i>For &gt;500, Deduct</i>	-108.17	
26 51 19 00-0382	EA		24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L) .....	808.22	104.82
			<i>For &gt;50 To 100, Deduct</i>	-25.45	
			<i>For &gt;100 To 250, Deduct</i>	-45.65	
			<i>For &gt;250 To 500, Deduct</i>	-80.82	
			<i>For &gt;500, Deduct</i>	-115.99	
<b>26 51 19 00-0383</b>			<b>LED High Bay Fixtures (Metalux SSLED)</b> <small>(26 51 19 00-0313)</small>		
26 51 19 00-0384	EA		12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U) .....	667.90	104.82
			<i>For &gt;50 To 100, Deduct</i>	-21.94	
			<i>For &gt;100 To 250, Deduct</i>	-38.64	
			<i>For &gt;250 To 500, Deduct</i>	-66.79	
			<i>For &gt;500, Deduct</i>	-94.94	
26 51 19 00-0385	EA		15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U) .....	685.90	104.82
			<i>For &gt;50 To 100, Deduct</i>	-22.39	
			<i>For &gt;100 To 250, Deduct</i>	-39.54	
			<i>For &gt;250 To 500, Deduct</i>	-68.59	
			<i>For &gt;500, Deduct</i>	-97.64	
26 51 19 00-0386	EA		18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U) .....	693.16	104.82
			<i>For &gt;50 To 100, Deduct</i>	-22.57	
			<i>For &gt;100 To 250, Deduct</i>	-39.90	
			<i>For &gt;250 To 500, Deduct</i>	-69.32	
			<i>For &gt;500, Deduct</i>	-98.73	
26 51 19 00-0387	EA		24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U) .....	762.19	104.82
			<i>For &gt;50 To 100, Deduct</i>	-24.30	
			<i>For &gt;100 To 250, Deduct</i>	-43.35	
			<i>For &gt;250 To 500, Deduct</i>	-76.22	
			<i>For &gt;500, Deduct</i>	-109.09	
26 51 19 00-0388	EA		30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U) .....	842.59	104.82
			<i>For &gt;50 To 100, Deduct</i>	-26.31	
			<i>For &gt;100 To 250, Deduct</i>	-47.37	
			<i>For &gt;250 To 500, Deduct</i>	-84.26	
			<i>For &gt;500, Deduct</i>	-121.15	
26 51 19 00-0389	EA		36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U) .....	872.77	104.82
			<i>For &gt;50 To 100, Deduct</i>	-27.06	
			<i>For &gt;100 To 250, Deduct</i>	-48.88	
			<i>For &gt;250 To 500, Deduct</i>	-87.28	
			<i>For &gt;500, Deduct</i>	-125.67	
<b>26 51 19 00-0390</b>			<b>LED High Bay Fixtures (Neptun LED)</b> <small>(26 51 19 00-0313)</small>		
26 51 19 00-0391	EA		2" Diameter, 13,100 Lumens, Bi-Level Dimming, LED High Bay Fixture With Motion Sensor (Neptun LED-19150) .....	929.22	104.82
			<i>For &gt;50 To 100, Deduct</i>	-28.47	
			<i>For &gt;100 To 250, Deduct</i>	-51.70	
			<i>For &gt;250 To 500, Deduct</i>	-92.92	
			<i>For &gt;500, Deduct</i>	-134.14	
<b>26 51 19 00-0392</b>			<b>LED High Bay Fixtures (PlanLED)</b> <small>(26 51 19 00-0313)</small>		
<b>26 51 19 00-0393</b>			<b>LED High Bay Fixtures (PlanLED LUNA)</b> <small>(26 51 19 00-0392)</small>		
			Note: Includes aluminum alloy chassis.		
26 51 19 00-0394	EA		7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70) .....	854.39	104.82
			<i>For &gt;50 To 100, Deduct</i>	-26.60	
			<i>For &gt;100 To 250, Deduct</i>	-47.96	
			<i>For &gt;250 To 500, Deduct</i>	-85.44	
			<i>For &gt;500, Deduct</i>	-122.92	
26 51 19 00-0395	EA		9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98) .....	964.47	104.82
			<i>For &gt;50 To 100, Deduct</i>	-29.35	
			<i>For &gt;100 To 250, Deduct</i>	-53.46	
			<i>For &gt;250 To 500, Deduct</i>	-96.45	
			<i>For &gt;500, Deduct</i>	-139.43	
26 51 19 00-0396	EA		13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130) .....	1,123.69	104.82
			<i>For &gt;50 To 100, Deduct</i>	-33.33	
			<i>For &gt;100 To 250, Deduct</i>	-61.43	
			<i>For &gt;250 To 500, Deduct</i>	-112.37	
			<i>For &gt;500, Deduct</i>	-163.31	
26 51 19 00-0397	EA		16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160) .....	1,278.98	104.82
			<i>For &gt;50 To 100, Deduct</i>	-37.22	
			<i>For &gt;100 To 250, Deduct</i>	-69.19	
			<i>For &gt;250 To 500, Deduct</i>	-127.90	
			<i>For &gt;500, Deduct</i>	-186.61	
<b>26 51 19 00-0398</b>			<b>LED High Bay Fixtures (PlanLED IBL)</b> <small>(26 51 19 00-0392)</small>		
			Note: Includes aluminum alloy chassis.		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0399 EA 13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W) .....	933.02	104.82
For 480 Volt, Add	55.16	
For >50 To 100, Deduct	-28.57	
For >100 To 250, Deduct	-51.89	
For >250 To 500, Deduct	-93.30	
For >500, Deduct	-134.71	
26 51 19 00-0400 EA 21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W) .....	1,316.33	104.82
For 480 Volt, Add	69.89	
For >50 To 100, Deduct	-38.15	
For >100 To 250, Deduct	-71.06	
For >250 To 500, Deduct	-131.63	
For >500, Deduct	-192.21	
26 51 19 00-0401 EA 42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W) .....	2,371.92	104.82
For 480 Volt, Add	110.89	
For >50 To 100, Deduct	-64.54	
For >100 To 250, Deduct	-123.84	
For >250 To 500, Deduct	-237.19	
For >500, Deduct	-350.55	
<b>26 51 19 00-0402 LED High Bay Fixtures (PlanLED SEGA) <small>(26 51 19 00-0392)</small></b>		
Note: Includes aluminum alloy chassis.		
26 51 19 00-0403 EA 10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080) .....	726.62	104.82
For 0 To 10 Volt Dimming, Add	84.95	
For >50 To 100, Deduct	-23.41	
For >100 To 250, Deduct	-41.57	
For >250 To 500, Deduct	-72.66	
For >500, Deduct	-103.75	
26 51 19 00-0404 EA 13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100) .....	779.69	104.82
For 0 To 10 Volt Dimming, Add	84.95	
For >50 To 100, Deduct	-24.73	
For >100 To 250, Deduct	-44.23	
For >250 To 500, Deduct	-77.97	
For >500, Deduct	-111.71	
26 51 19 00-0405 EA 16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130) .....	962.50	104.82
For 0 To 10 Volt Dimming, Add	84.95	
For >50 To 100, Deduct	-29.30	
For >100 To 250, Deduct	-53.37	
For >250 To 500, Deduct	-96.25	
For >500, Deduct	-139.13	
26 51 19 00-0406 EA 20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160) .....	1,094.21	104.82
For 0 To 10 Volt Dimming, Add	84.95	
For >50 To 100, Deduct	-32.60	
For >100 To 250, Deduct	-59.95	
For >250 To 500, Deduct	-109.42	
For >500, Deduct	-158.89	
26 51 19 00-0407 EA 50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400) .....	2,065.27	104.82
For >50 To 100, Deduct	-56.87	
For >100 To 250, Deduct	-108.50	
For >250 To 500, Deduct	-206.53	
For >500, Deduct	-304.55	
26 51 19 00-0408 EA 57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500) .....	2,238.25	104.82
For >50 To 100, Deduct	-61.20	
For >100 To 250, Deduct	-117.15	
For >250 To 500, Deduct	-223.83	
For >500, Deduct	-330.50	
26 51 19 00-0409 EA 80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640) .....	3,429.14	104.82
For >50 To 100, Deduct	-90.97	
For >100 To 250, Deduct	-176.70	
For >250 To 500, Deduct	-342.91	
For >500, Deduct	-509.13	
<b>26 51 19 00-0410 Wet/Hazardous Location, LED Fixtures <small>(26 51 19 00-0001)</small></b>		
<b>26 51 19 00-0411 Wet Location, LED Fixtures <small>(26 51 19 00-0410)</small></b>		
<b>26 51 19 00-0412 Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) <small>(26 51 19 00-0411)</small></b>		
Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0413 EA 3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L) .....	3,071.94	80.05
For Ceiling Mount, Add	27.47	
For Quick Clip Mounting Option, Add	40.38	
For Frosted Lens, Add	86.84	
For Warm White Color Rendering, Add	111.79	
For Stanchion Mount, Add	187.35	
For Wall Mount, Add	207.39	
For Polycarbonate Lens, Add	160.95	
For Teflon Coated Lens, Add	184.31	
For 480 Volt, Add	263.29	
For >50 To 100, Deduct	-80.13	
For >100 To 250, Deduct	-156.93	
For >250 To 500, Deduct	-307.19	
For >500, Deduct	-457.46	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 51 19 00-0414	EA	5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L)	3,127.88	85.76
		<i>For Ceiling Mount, Add</i>	27.47	
		<i>For Quick Clip Mounting Option, Add</i>	40.38	
		<i>For Frosted Lens, Add</i>	86.84	
		<i>For Warm White Color Rendering, Add</i>	111.79	
		<i>For Stanchion Mount, Add</i>	187.35	
		<i>For Wall Mount, Add</i>	207.39	
		<i>For Polycarbonate Lens, Add</i>	160.95	
		<i>For Teflon Coated Lens, Add</i>	184.31	
		<i>For 480 Volt, Add</i>	263.29	
		<i>For &gt;50 To 100, Deduct</i>	-81.77	
		<i>For &gt;100 To 250, Deduct</i>	-159.97	
		<i>For &gt;250 To 500, Deduct</i>	-312.79	
		<i>For &gt;500, Deduct</i>	-465.61	
26 51 19 00-0415	EA	7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L)	3,537.00	91.48
		<i>For Ceiling Mount, Add</i>	27.47	
		<i>For Quick Clip Mounting Option, Add</i>	40.38	
		<i>For Frosted Lens, Add</i>	86.84	
		<i>For Warm White Color Rendering, Add</i>	111.79	
		<i>For Stanchion Mount, Add</i>	187.35	
		<i>For Wall Mount, Add</i>	207.39	
		<i>For Polycarbonate Lens, Add</i>	160.95	
		<i>For Teflon Coated Lens, Add</i>	184.31	
		<i>For 480 Volt, Add</i>	263.29	
		<i>For &gt;50 To 100, Deduct</i>	-92.24	
		<i>For &gt;100 To 250, Deduct</i>	-180.66	
		<i>For &gt;250 To 500, Deduct</i>	-353.70	
		<i>For &gt;500, Deduct</i>	-526.74	
26 51 19 00-0416	EA	9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L)	4,270.23	97.20
		<i>For Ceiling Mount, Add</i>	27.47	
		<i>For Quick Clip Mounting Option, Add</i>	40.38	
		<i>For Frosted Lens, Add</i>	86.84	
		<i>For Warm White Color Rendering, Add</i>	111.79	
		<i>For Stanchion Mount, Add</i>	187.35	
		<i>For Wall Mount, Add</i>	207.39	
		<i>For Polycarbonate Lens, Add</i>	160.95	
		<i>For Teflon Coated Lens, Add</i>	184.31	
		<i>For 480 Volt, Add</i>	263.29	
		<i>For &gt;50 To 100, Deduct</i>	-110.81	
		<i>For &gt;100 To 250, Deduct</i>	-217.56	
		<i>For &gt;250 To 500, Deduct</i>	-427.02	
		<i>For &gt;500, Deduct</i>	-636.48	
26 51 19 00-0417	EA	11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	5,466.45	102.91
		<i>For Ceiling Mount, Add</i>	27.47	
		<i>For Quick Clip Mounting Option, Add</i>	40.38	
		<i>For Frosted Lens, Add</i>	86.84	
		<i>For Warm White Color Rendering, Add</i>	111.79	
		<i>For Stanchion Mount, Add</i>	187.35	
		<i>For Wall Mount, Add</i>	207.39	
		<i>For Polycarbonate Lens, Add</i>	160.95	
		<i>For Teflon Coated Lens, Add</i>	184.31	
		<i>For 480 Volt, Add</i>	263.29	
		<i>For &gt;50 To 100, Deduct</i>	-140.95	
		<i>For &gt;100 To 250, Deduct</i>	-277.61	
		<i>For &gt;250 To 500, Deduct</i>	-546.65	
		<i>For &gt;500, Deduct</i>	-815.68	
26 51 19 00-0418	EA	13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	7,221.16	105.77
		<i>For Ceiling Mount, Add</i>	27.47	
		<i>For Quick Clip Mounting Option, Add</i>	40.38	
		<i>For Frosted Lens, Add</i>	86.84	
		<i>For Warm White Color Rendering, Add</i>	111.79	
		<i>For Stanchion Mount, Add</i>	187.35	
		<i>For Wall Mount, Add</i>	207.39	
		<i>For Polycarbonate Lens, Add</i>	160.95	
		<i>For Teflon Coated Lens, Add</i>	184.31	
		<i>For 480 Volt, Add</i>	263.29	
		<i>For &gt;50 To 100, Deduct</i>	-184.94	
		<i>For &gt;100 To 250, Deduct</i>	-365.47	
		<i>For &gt;250 To 500, Deduct</i>	-722.12	
		<i>For &gt;500, Deduct</i>	-1,078.77	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0419	EA	18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L).....	8,376.71	108.63
			<i>For Ceiling Mount, Add</i>	27.47	
			<i>For Quick Clip Mounting Option, Add</i>	40.38	
			<i>For Frosted Lens, Add</i>	86.84	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For Stanchion Mount, Add</i>	187.35	
			<i>For Wall Mount, Add</i>	207.39	
			<i>For Polycarbonate Lens, Add</i>	160.95	
			<i>For Teflon Coated Lens, Add</i>	184.31	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For &gt;50 To 100, Deduct</i>	-213.94	
			<i>For &gt;100 To 250, Deduct</i>	-423.36	
			<i>For &gt;250 To 500, Deduct</i>	-837.67	
			<i>For &gt;500, Deduct</i>	-1,251.98	
26 51	19 00-0420		<b>Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM)</b> <small>(26 51 19 00-0411)</small>		
			Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51	19 00-0421	EA	5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L).....	2,755.79	85.76
			<i>For Bolt-On Visor, Add</i>	149.51	
			<i>For Bolt-On Wire Guard, Add</i>	307.52	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For &gt;50 To 100, Deduct</i>	-72.47	
			<i>For &gt;100 To 250, Deduct</i>	-141.36	
			<i>For &gt;250 To 500, Deduct</i>	-275.58	
			<i>For &gt;500, Deduct</i>	-409.80	
26 51	19 00-0422	EA	7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L).....	4,100.79	91.48
			<i>For Bolt-On Visor, Add</i>	149.51	
			<i>For Bolt-On Wire Guard, Add</i>	307.52	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For &gt;50 To 100, Deduct</i>	-106.33	
			<i>For &gt;100 To 250, Deduct</i>	-208.85	
			<i>For &gt;250 To 500, Deduct</i>	-410.08	
			<i>For &gt;500, Deduct</i>	-611.31	
26 51	19 00-0423	EA	9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L).....	4,525.38	97.20
			<i>For Bolt-On Visor, Add</i>	149.51	
			<i>For Bolt-On Wire Guard, Add</i>	307.52	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For &gt;50 To 100, Deduct</i>	-117.18	
			<i>For &gt;100 To 250, Deduct</i>	-230.32	
			<i>For &gt;250 To 500, Deduct</i>	-452.54	
			<i>For &gt;500, Deduct</i>	-674.76	
26 51	19 00-0424	EA	11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L).....	5,204.32	102.91
			<i>For Bolt-On Visor, Add</i>	149.51	
			<i>For Bolt-On Wire Guard, Add</i>	307.52	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For &gt;50 To 100, Deduct</i>	-134.40	
			<i>For &gt;100 To 250, Deduct</i>	-264.50	
			<i>For &gt;250 To 500, Deduct</i>	-520.43	
			<i>For &gt;500, Deduct</i>	-776.36	
26 51	19 00-0425		<b>Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L)</b> <small>(26 51 19 00-0411)</small>		
			Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51	19 00-0426	EA	1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC).....	1,891.19	80.05
			<i>For 12/24 Volt DC Driver, Add</i>	42.49	
			<i>For Frosted Lens, Add</i>	86.84	
			<i>For 55 Degree Ambient Suitability (AC Only), Add</i>	57.85	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For Ceiling Mount, Add</i>	132.02	
			<i>For Wall Mount, Add</i>	191.46	
			<i>For Teflon Coated Lens, Add</i>	184.31	
			<i>For Wall Mount With Junction Box, Add</i>	278.13	
			<i>For &gt;50 To 100, Deduct</i>	-50.61	
			<i>For &gt;100 To 250, Deduct</i>	-97.89	
			<i>For &gt;250 To 500, Deduct</i>	-189.12	
			<i>For &gt;500, Deduct</i>	-280.34	
26 51	19 00-0427		<b>Vaportight, LED Fixtures</b> <small>(26 51 19 00-0410)</small>		
26 51	19 00-0428		<b>General Distribution, Vaportight, LED Fixtures (Metalux)</b> <small>(26 51 19 00-0427)</small>		

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0429	EA	2'	2,000 Lumens, 16 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-G-UNV-L850-CD1-U).....	302.39	45.74
			<i>For &gt;50 To 100, Deduct</i>	-9.47	
			<i>For &gt;100 To 250, Deduct</i>	-17.03	
			<i>For &gt;250 To 500, Deduct</i>	-30.24	
			<i>For &gt;500, Deduct</i>	-43.45	
26 51 19 00-0430	EA	2'	3,000 Lumens, 24 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-G-UNV-L850-CD1-U).....	315.93	45.74
			<i>For &gt;50 To 100, Deduct</i>	-9.80	
			<i>For &gt;100 To 250, Deduct</i>	-17.70	
			<i>For &gt;250 To 500, Deduct</i>	-31.59	
			<i>For &gt;500, Deduct</i>	-45.48	
26 51 19 00-0431	EA	2'	4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-G-UNV-L850-CD1-U).....	343.04	45.74
			<i>For &gt;50 To 100, Deduct</i>	-10.48	
			<i>For &gt;100 To 250, Deduct</i>	-19.06	
			<i>For &gt;250 To 500, Deduct</i>	-34.30	
			<i>For &gt;500, Deduct</i>	-49.55	
26 51 19 00-0432	EA	4'	4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-G-UNV-L850-CD1-U).....	302.80	57.18
			<i>For &gt;50 To 100, Deduct</i>	-9.95	
			<i>For &gt;100 To 250, Deduct</i>	-17.52	
			<i>For &gt;250 To 500, Deduct</i>	-30.28	
			<i>For &gt;500, Deduct</i>	-43.04	
26 51 19 00-0433	EA	4'	6,000 Lumens, 51 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-G-UNV-L850-CD1-U).....	341.67	57.18
			<i>For &gt;50 To 100, Deduct</i>	-10.92	
			<i>For &gt;100 To 250, Deduct</i>	-19.47	
			<i>For &gt;250 To 500, Deduct</i>	-34.17	
			<i>For &gt;500, Deduct</i>	-48.87	
26 51 19 00-0434	EA	4'	8,000 Lumens, 67 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-G-UNV-L850-CD1-U).....	484.04	57.18
			<i>For &gt;50 To 100, Deduct</i>	-14.48	
			<i>For &gt;100 To 250, Deduct</i>	-26.58	
			<i>For &gt;250 To 500, Deduct</i>	-48.40	
			<i>For &gt;500, Deduct</i>	-70.22	
<b>26 51 19 00-0435</b>			<b>Wide Distribution, Vaportight, LED Fixtures (Metalux) <small>(26 51 19 00-0427)</small></b>		
26 51 19 00-0436	EA	2'	2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-W-UNV-L850-CD1-U).....	329.49	45.74
			<i>For &gt;50 To 100, Deduct</i>	-10.14	
			<i>For &gt;100 To 250, Deduct</i>	-18.38	
			<i>For &gt;250 To 500, Deduct</i>	-32.95	
			<i>For &gt;500, Deduct</i>	-47.52	
26 51 19 00-0437	EA	2'	3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-W-UNV-L850-CD1-U).....	343.04	45.74
			<i>For &gt;50 To 100, Deduct</i>	-10.48	
			<i>For &gt;100 To 250, Deduct</i>	-19.06	
			<i>For &gt;250 To 500, Deduct</i>	-34.30	
			<i>For &gt;500, Deduct</i>	-49.55	
26 51 19 00-0438	EA	2'	4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-W-UNV-L850-CD1-U).....	370.14	45.74
			<i>For &gt;50 To 100, Deduct</i>	-11.16	
			<i>For &gt;100 To 250, Deduct</i>	-20.41	
			<i>For &gt;250 To 500, Deduct</i>	-37.01	
			<i>For &gt;500, Deduct</i>	-53.62	
26 51 19 00-0439	EA	4'	4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-W-UNV-L850-CD1-U).....	429.85	57.18
			<i>For &gt;50 To 100, Deduct</i>	-13.13	
			<i>For &gt;100 To 250, Deduct</i>	-23.87	
			<i>For &gt;250 To 500, Deduct</i>	-42.99	
			<i>For &gt;500, Deduct</i>	-62.10	
26 51 19 00-0440	EA	4'	6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-W-UNV-L850-CD1-U).....	484.04	57.18
			<i>For &gt;50 To 100, Deduct</i>	-14.48	
			<i>For &gt;100 To 250, Deduct</i>	-26.58	
			<i>For &gt;250 To 500, Deduct</i>	-48.40	
			<i>For &gt;500, Deduct</i>	-70.22	
26 51 19 00-0441	EA	4'	8,000 Lumens, 70 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-W-UNV-L850-CD1-U).....	538.25	57.18
			<i>For &gt;50 To 100, Deduct</i>	-15.84	
			<i>For &gt;100 To 250, Deduct</i>	-29.29	
			<i>For &gt;250 To 500, Deduct</i>	-53.83	
			<i>For &gt;500, Deduct</i>	-78.36	
<b>26 51 19 00-0442</b>			<b>Parking Garage Distribution, Vaportight, LED Fixtures (Metalux) <small>(26 51 19 00-0427)</small></b>		
26 51 19 00-0443	EA	2'	2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-P-UNV-L850-CD1-U).....	329.49	45.74
			<i>For &gt;50 To 100, Deduct</i>	-10.14	
			<i>For &gt;100 To 250, Deduct</i>	-18.38	
			<i>For &gt;250 To 500, Deduct</i>	-32.95	
			<i>For &gt;500, Deduct</i>	-47.52	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 51 19 00-0444	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-P-UNV-L850-CD1-U).....	344.07		45.74
		<i>For &gt;50 To 100, Deduct</i>	-10.51		
		<i>For &gt;100 To 250, Deduct</i>	-19.11		
		<i>For &gt;250 To 500, Deduct</i>	-34.41		
		<i>For &gt;500, Deduct</i>	-49.70		
26 51 19 00-0445	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-P-UNV-L850-CD1-U).....	370.14		45.74
		<i>For &gt;50 To 100, Deduct</i>	-11.16		
		<i>For &gt;100 To 250, Deduct</i>	-20.41		
		<i>For &gt;250 To 500, Deduct</i>	-37.01		
		<i>For &gt;500, Deduct</i>	-53.62		
26 51 19 00-0446	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-P-UNV-L850-CD1-U).....	429.85		57.18
		<i>For &gt;50 To 100, Deduct</i>	-13.13		
		<i>For &gt;100 To 250, Deduct</i>	-23.87		
		<i>For &gt;250 To 500, Deduct</i>	-42.99		
		<i>For &gt;500, Deduct</i>	-62.10		
26 51 19 00-0447	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-P-UNV-L850-CD1-U).....	484.04		57.18
		<i>For &gt;50 To 100, Deduct</i>	-14.48		
		<i>For &gt;100 To 250, Deduct</i>	-26.58		
		<i>For &gt;250 To 500, Deduct</i>	-48.40		
		<i>For &gt;500, Deduct</i>	-70.22		
26 51 19 00-0448	EA	4', 8,000 Lumens, 69 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-P-UNV-L850-CD1-U).....	538.25		57.18
		<i>For &gt;50 To 100, Deduct</i>	-15.84		
		<i>For &gt;100 To 250, Deduct</i>	-29.29		
		<i>For &gt;250 To 500, Deduct</i>	-53.83		
		<i>For &gt;500, Deduct</i>	-78.36		
26 51 19 00-0449	<b>Ceiling Mounted LED Fixtures</b> <small>(26 51 19 00-0001)</small>				
26 51 19 00-0450	<b>Ceiling Mounted, LED Drum Fixtures (Enertron)</b> <small>(26 51 19 00-0449)</small>				
26 51 19 00-0451	EA	11" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30).....	122.20		38.11
		<i>For &gt;50 To 100, Deduct</i>	-4.48		
		<i>For &gt;100 To 250, Deduct</i>	-7.54		
		<i>For &gt;250 To 500, Deduct</i>	-12.22		
		<i>For &gt;500, Deduct</i>	-16.90		
26 51 19 00-0452	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30).....	128.66		38.11
		<i>For &gt;50 To 100, Deduct</i>	-4.65		
		<i>For &gt;100 To 250, Deduct</i>	-7.86		
		<i>For &gt;250 To 500, Deduct</i>	-12.87		
		<i>For &gt;500, Deduct</i>	-17.87		
26 51 19 00-0453	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30).....	135.11		38.11
		<i>For &gt;50 To 100, Deduct</i>	-4.81		
		<i>For &gt;100 To 250, Deduct</i>	-8.19		
		<i>For &gt;250 To 500, Deduct</i>	-13.51		
		<i>For &gt;500, Deduct</i>	-18.84		
26 51 19 00-0454	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30).....	141.57		38.11
		<i>For &gt;50 To 100, Deduct</i>	-4.97		
		<i>For &gt;100 To 250, Deduct</i>	-8.51		
		<i>For &gt;250 To 500, Deduct</i>	-14.16		
		<i>For &gt;500, Deduct</i>	-19.81		
26 51 19 00-0455	EA	14" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30).....	134.61		41.92
		<i>For &gt;50 To 100, Deduct</i>	-4.94		
		<i>For &gt;100 To 250, Deduct</i>	-8.30		
		<i>For &gt;250 To 500, Deduct</i>	-13.46		
		<i>For &gt;500, Deduct</i>	-18.62		
26 51 19 00-0456	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30).....	141.06		41.92
		<i>For &gt;50 To 100, Deduct</i>	-5.10		
		<i>For &gt;100 To 250, Deduct</i>	-8.63		
		<i>For &gt;250 To 500, Deduct</i>	-14.11		
		<i>For &gt;500, Deduct</i>	-19.59		
26 51 19 00-0457	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30).....	147.52		41.92
		<i>For &gt;50 To 100, Deduct</i>	-5.26		
		<i>For &gt;100 To 250, Deduct</i>	-8.95		
		<i>For &gt;250 To 500, Deduct</i>	-14.75		
		<i>For &gt;500, Deduct</i>	-20.56		
26 51 19 00-0458	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30).....	153.98		41.92
		<i>For &gt;50 To 100, Deduct</i>	-5.42		
		<i>For &gt;100 To 250, Deduct</i>	-9.27		
		<i>For &gt;250 To 500, Deduct</i>	-15.40		
		<i>For &gt;500, Deduct</i>	-21.52		
26 51 19 00-0459	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30).....	166.89		41.92
		<i>For &gt;50 To 100, Deduct</i>	-5.74		
		<i>For &gt;100 To 250, Deduct</i>	-9.92		
		<i>For &gt;250 To 500, Deduct</i>	-16.69		
		<i>For &gt;500, Deduct</i>	-23.46		
26 51 19 00-0460	EA	11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35).....	122.20		38.11
		<i>For &gt;50 To 100, Deduct</i>	-4.48		
		<i>For &gt;100 To 250, Deduct</i>	-7.54		
		<i>For &gt;250 To 500, Deduct</i>	-12.22		
		<i>For &gt;500, Deduct</i>	-16.90		

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0461	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	128.66 -4.65 -7.86 -12.87 -17.87	38.11
26 51	19 00-0462	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	135.11 -4.81 -8.19 -13.51 -18.84	38.11
26 51	19 00-0463	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	141.57 -4.97 -8.51 -14.16 -19.81	38.11
26 51	19 00-0464	EA	14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	134.61 -4.94 -8.30 -13.46 -18.62	41.92
26 51	19 00-0465	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	141.06 -5.10 -8.63 -14.11 -19.59	41.92
26 51	19 00-0466	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	147.52 -5.26 -8.95 -14.75 -20.56	41.92
26 51	19 00-0467	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	153.98 -5.42 -9.27 -15.40 -21.52	41.92
26 51	19 00-0468	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	166.89 -5.74 -9.92 -16.69 -23.46	41.92
26 51	19 00-0469	EA	11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	122.20 -4.48 -7.54 -12.22 -16.90	38.11
26 51	19 00-0470	EA	11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	128.66 -4.65 -7.86 -12.87 -17.87	38.11
26 51	19 00-0471	EA	11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	135.11 -4.81 -8.19 -13.51 -18.84	38.11
26 51	19 00-0472	EA	11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	141.57 -4.97 -8.51 -14.16 -19.81	38.11
26 51	19 00-0473	EA	14" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	134.61 -4.94 -8.30 -13.46 -18.62	41.92
26 51	19 00-0474	EA	14" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	141.06 -5.10 -8.63 -14.11 -19.59	41.92
26 51	19 00-0475	EA	14" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	147.52 -5.26 -8.95 -14.75 -20.56	41.92
26 51	19 00-0476	EA	14" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	153.98 -5.42 -9.27 -15.40 -21.52	41.92
26 51	19 00-0477	EA	14" Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	166.89 -5.74 -9.92 -16.69 -23.46	41.92



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0478	EA	11" Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50) .....	122.20	38.11
			<i>For &gt;50 To 100, Deduct</i>	-4.48	
			<i>For &gt;100 To 250, Deduct</i>	-7.54	
			<i>For &gt;250 To 500, Deduct</i>	-12.22	
			<i>For &gt;500, Deduct</i>	-16.90	
26 51	19 00-0479	EA	11" Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50) .....	128.66	38.11
			<i>For &gt;50 To 100, Deduct</i>	-4.65	
			<i>For &gt;100 To 250, Deduct</i>	-7.86	
			<i>For &gt;250 To 500, Deduct</i>	-12.87	
			<i>For &gt;500, Deduct</i>	-17.87	
26 51	19 00-0480	EA	11" Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50) .....	135.11	38.11
			<i>For &gt;50 To 100, Deduct</i>	-4.81	
			<i>For &gt;100 To 250, Deduct</i>	-8.19	
			<i>For &gt;250 To 500, Deduct</i>	-13.51	
			<i>For &gt;500, Deduct</i>	-18.84	
26 51	19 00-0481	EA	11" Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50) .....	141.57	38.11
			<i>For &gt;50 To 100, Deduct</i>	-4.97	
			<i>For &gt;100 To 250, Deduct</i>	-8.51	
			<i>For &gt;250 To 500, Deduct</i>	-14.16	
			<i>For &gt;500, Deduct</i>	-19.81	
26 51	19 00-0482	EA	14" Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40) .....	134.61	41.92
			<i>For &gt;50 To 100, Deduct</i>	-4.94	
			<i>For &gt;100 To 250, Deduct</i>	-8.30	
			<i>For &gt;250 To 500, Deduct</i>	-13.46	
			<i>For &gt;500, Deduct</i>	-18.62	
26 51	19 00-0483	EA	14" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40) .....	141.06	41.92
			<i>For &gt;50 To 100, Deduct</i>	-5.10	
			<i>For &gt;100 To 250, Deduct</i>	-8.63	
			<i>For &gt;250 To 500, Deduct</i>	-14.11	
			<i>For &gt;500, Deduct</i>	-19.59	
26 51	19 00-0484	EA	14" Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40) .....	147.52	41.92
			<i>For &gt;50 To 100, Deduct</i>	-5.26	
			<i>For &gt;100 To 250, Deduct</i>	-8.95	
			<i>For &gt;250 To 500, Deduct</i>	-14.75	
			<i>For &gt;500, Deduct</i>	-20.56	
26 51	19 00-0485	EA	14" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40) .....	153.98	41.92
			<i>For &gt;50 To 100, Deduct</i>	-5.42	
			<i>For &gt;100 To 250, Deduct</i>	-9.27	
			<i>For &gt;250 To 500, Deduct</i>	-15.40	
			<i>For &gt;500, Deduct</i>	-21.52	
26 51	19 00-0486	EA	14" Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40) .....	166.89	41.92
			<i>For &gt;50 To 100, Deduct</i>	-5.74	
			<i>For &gt;100 To 250, Deduct</i>	-9.92	
			<i>For &gt;250 To 500, Deduct</i>	-16.69	
			<i>For &gt;500, Deduct</i>	-23.46	
26 51	19 00-0487	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30) .....	171.36	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.00	
			<i>For &gt;100 To 250, Deduct</i>	-10.28	
			<i>For &gt;250 To 500, Deduct</i>	-17.14	
			<i>For &gt;500, Deduct</i>	-23.99	
26 51	19 00-0488	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30) .....	186.03	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.37	
			<i>For &gt;100 To 250, Deduct</i>	-11.02	
			<i>For &gt;250 To 500, Deduct</i>	-18.60	
			<i>For &gt;500, Deduct</i>	-26.19	
26 51	19 00-0489	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30) .....	182.45	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.28	
			<i>For &gt;100 To 250, Deduct</i>	-10.84	
			<i>For &gt;250 To 500, Deduct</i>	-18.25	
			<i>For &gt;500, Deduct</i>	-25.65	
26 51	19 00-0490	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30) .....	182.40	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.28	
			<i>For &gt;100 To 250, Deduct</i>	-10.84	
			<i>For &gt;250 To 500, Deduct</i>	-18.24	
			<i>For &gt;500, Deduct</i>	-25.64	
26 51	19 00-0491	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30) .....	198.94	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.69	
			<i>For &gt;100 To 250, Deduct</i>	-11.66	
			<i>For &gt;250 To 500, Deduct</i>	-19.89	
			<i>For &gt;500, Deduct</i>	-28.13	
26 51	19 00-0492	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30) .....	193.60	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.56	
			<i>For &gt;100 To 250, Deduct</i>	-11.40	
			<i>For &gt;250 To 500, Deduct</i>	-19.36	
			<i>For &gt;500, Deduct</i>	-27.32	
26 51	19 00-0493	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30) .....	215.96	45.26
			<i>For &gt;50 To 100, Deduct</i>	-7.11	
			<i>For &gt;100 To 250, Deduct</i>	-12.51	
			<i>For &gt;250 To 500, Deduct</i>	-21.60	
			<i>For &gt;500, Deduct</i>	-30.68	
26 51	19 00-0494	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30) .....	208.68	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.93	
			<i>For &gt;100 To 250, Deduct</i>	-12.15	
			<i>For &gt;250 To 500, Deduct</i>	-20.87	
			<i>For &gt;500, Deduct</i>	-29.59	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0495	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30).....	208.74	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.93	
			<i>For &gt;100 To 250, Deduct</i>	-12.15	
			<i>For &gt;250 To 500, Deduct</i>	-20.87	
			<i>For &gt;500, Deduct</i>	-29.60	
26 51	19 00-0496	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35).....	171.36	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.00	
			<i>For &gt;100 To 250, Deduct</i>	-10.28	
			<i>For &gt;250 To 500, Deduct</i>	-17.14	
			<i>For &gt;500, Deduct</i>	-23.99	
26 51	19 00-0497	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35).....	186.03	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.37	
			<i>For &gt;100 To 250, Deduct</i>	-11.02	
			<i>For &gt;250 To 500, Deduct</i>	-18.60	
			<i>For &gt;500, Deduct</i>	-26.19	
26 51	19 00-0498	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	182.45	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.28	
			<i>For &gt;100 To 250, Deduct</i>	-10.84	
			<i>For &gt;250 To 500, Deduct</i>	-18.25	
			<i>For &gt;500, Deduct</i>	-25.65	
26 51	19 00-0499	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35).....	182.40	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.28	
			<i>For &gt;100 To 250, Deduct</i>	-10.84	
			<i>For &gt;250 To 500, Deduct</i>	-18.24	
			<i>For &gt;500, Deduct</i>	-25.64	
26 51	19 00-0500	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	198.94	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.69	
			<i>For &gt;100 To 250, Deduct</i>	-11.66	
			<i>For &gt;250 To 500, Deduct</i>	-19.89	
			<i>For &gt;500, Deduct</i>	-28.13	
26 51	19 00-0501	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	193.60	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.56	
			<i>For &gt;100 To 250, Deduct</i>	-11.40	
			<i>For &gt;250 To 500, Deduct</i>	-19.36	
			<i>For &gt;500, Deduct</i>	-27.32	
26 51	19 00-0502	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	215.96	45.26
			<i>For &gt;50 To 100, Deduct</i>	-7.11	
			<i>For &gt;100 To 250, Deduct</i>	-12.51	
			<i>For &gt;250 To 500, Deduct</i>	-21.60	
			<i>For &gt;500, Deduct</i>	-30.68	
26 51	19 00-0503	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35).....	208.68	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.93	
			<i>For &gt;100 To 250, Deduct</i>	-12.15	
			<i>For &gt;250 To 500, Deduct</i>	-20.87	
			<i>For &gt;500, Deduct</i>	-29.59	
26 51	19 00-0504	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35).....	208.74	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.93	
			<i>For &gt;100 To 250, Deduct</i>	-12.15	
			<i>For &gt;250 To 500, Deduct</i>	-20.87	
			<i>For &gt;500, Deduct</i>	-29.60	
26 51	19 00-0505	EA	19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40).....	171.36	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.00	
			<i>For &gt;100 To 250, Deduct</i>	-10.28	
			<i>For &gt;250 To 500, Deduct</i>	-17.14	
			<i>For &gt;500, Deduct</i>	-23.99	
26 51	19 00-0506	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	186.03	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.37	
			<i>For &gt;100 To 250, Deduct</i>	-11.02	
			<i>For &gt;250 To 500, Deduct</i>	-18.60	
			<i>For &gt;500, Deduct</i>	-26.19	
26 51	19 00-0507	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	182.45	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.28	
			<i>For &gt;100 To 250, Deduct</i>	-10.84	
			<i>For &gt;250 To 500, Deduct</i>	-18.25	
			<i>For &gt;500, Deduct</i>	-25.65	
26 51	19 00-0508	EA	19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40).....	182.40	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.28	
			<i>For &gt;100 To 250, Deduct</i>	-10.84	
			<i>For &gt;250 To 500, Deduct</i>	-18.24	
			<i>For &gt;500, Deduct</i>	-25.64	
26 51	19 00-0509	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	198.94	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.69	
			<i>For &gt;100 To 250, Deduct</i>	-11.66	
			<i>For &gt;250 To 500, Deduct</i>	-19.89	
			<i>For &gt;500, Deduct</i>	-28.13	
26 51	19 00-0510	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	193.60	45.26
			<i>For &gt;50 To 100, Deduct</i>	-6.56	
			<i>For &gt;100 To 250, Deduct</i>	-11.40	
			<i>For &gt;250 To 500, Deduct</i>	-19.36	
			<i>For &gt;500, Deduct</i>	-27.32	
26 51	19 00-0511	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	215.96	45.26
			<i>For &gt;50 To 100, Deduct</i>	-7.11	
			<i>For &gt;100 To 250, Deduct</i>	-12.51	
			<i>For &gt;250 To 500, Deduct</i>	-21.60	
			<i>For &gt;500, Deduct</i>	-30.68	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0512	EA	19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40)	208.68	45.26	
		<i>For &gt;50 To 100, Deduct</i>	-6.93		
		<i>For &gt;100 To 250, Deduct</i>	-12.15		
		<i>For &gt;250 To 500, Deduct</i>	-20.87		
		<i>For &gt;500, Deduct</i>	-29.59		
26 51 19 00-0513	EA	19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40)	208.74	45.26	
		<i>For &gt;50 To 100, Deduct</i>	-6.93		
		<i>For &gt;100 To 250, Deduct</i>	-12.15		
		<i>For &gt;250 To 500, Deduct</i>	-20.87		
		<i>For &gt;500, Deduct</i>	-29.60		
26 51 19 00-0514	EA	19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50)	171.36	45.26	
		<i>For &gt;50 To 100, Deduct</i>	-6.00		
		<i>For &gt;100 To 250, Deduct</i>	-10.28		
		<i>For &gt;250 To 500, Deduct</i>	-17.14		
		<i>For &gt;500, Deduct</i>	-23.99		
26 51 19 00-0515	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	186.03	45.26	
		<i>For &gt;50 To 100, Deduct</i>	-6.37		
		<i>For &gt;100 To 250, Deduct</i>	-11.02		
		<i>For &gt;250 To 500, Deduct</i>	-18.60		
		<i>For &gt;500, Deduct</i>	-26.19		
26 51 19 00-0516	EA	19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50)	182.45	45.26	
		<i>For &gt;50 To 100, Deduct</i>	-6.28		
		<i>For &gt;100 To 250, Deduct</i>	-10.84		
		<i>For &gt;250 To 500, Deduct</i>	-18.25		
		<i>For &gt;500, Deduct</i>	-25.65		
26 51 19 00-0517	EA	19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50)	182.40	45.26	
		<i>For &gt;50 To 100, Deduct</i>	-6.28		
		<i>For &gt;100 To 250, Deduct</i>	-10.84		
		<i>For &gt;250 To 500, Deduct</i>	-18.24		
		<i>For &gt;500, Deduct</i>	-25.64		
26 51 19 00-0518	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	198.94	45.26	
		<i>For &gt;50 To 100, Deduct</i>	-6.69		
		<i>For &gt;100 To 250, Deduct</i>	-11.66		
		<i>For &gt;250 To 500, Deduct</i>	-19.89		
		<i>For &gt;500, Deduct</i>	-28.13		
26 51 19 00-0519	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	193.60	45.26	
		<i>For &gt;50 To 100, Deduct</i>	-6.56		
		<i>For &gt;100 To 250, Deduct</i>	-11.40		
		<i>For &gt;250 To 500, Deduct</i>	-19.36		
		<i>For &gt;500, Deduct</i>	-27.32		
26 51 19 00-0520	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	215.96	45.26	
		<i>For &gt;50 To 100, Deduct</i>	-7.11		
		<i>For &gt;100 To 250, Deduct</i>	-12.51		
		<i>For &gt;250 To 500, Deduct</i>	-21.60		
		<i>For &gt;500, Deduct</i>	-30.68		
26 51 19 00-0521	EA	19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50)	208.68	45.26	
		<i>For &gt;50 To 100, Deduct</i>	-6.93		
		<i>For &gt;100 To 250, Deduct</i>	-12.15		
		<i>For &gt;250 To 500, Deduct</i>	-20.87		
		<i>For &gt;500, Deduct</i>	-29.59		
26 51 19 00-0522	EA	19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50)	208.74	45.26	
		<i>For &gt;50 To 100, Deduct</i>	-6.93		
		<i>For &gt;100 To 250, Deduct</i>	-12.15		
		<i>For &gt;250 To 500, Deduct</i>	-20.87		
		<i>For &gt;500, Deduct</i>	-29.60		
<b>26 51 19 00-0523</b>		<b>Ceiling Mounted, LED Mushroom Fixtures (Mobern)</b> <small>(26 51 19 00-0449)</small>			
26 51 19 00-0524	EA	14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30)	170.44	41.92	
		<i>For &gt;50 To 100, Deduct</i>	-5.83		
		<i>For &gt;100 To 250, Deduct</i>	-10.09		
		<i>For &gt;250 To 500, Deduct</i>	-17.04		
		<i>For &gt;500, Deduct</i>	-23.99		
<b>26 51 19 00-0525</b>		<b>Ceiling Mounted, LED Fixtures (Sylvania)</b> <small>(26 51 19 00-0449)</small>			
26 51 19 00-0526	EA	12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D)	648.31	45.26	
		<i>For &gt;50 To 100, Deduct</i>	-17.92		
		<i>For &gt;100 To 250, Deduct</i>	-34.13		
		<i>For &gt;250 To 500, Deduct</i>	-64.83		
		<i>For &gt;500, Deduct</i>	-95.53		
26 51 19 00-0527	EA	2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMKIT1A/24A/WH)	246.90	38.11	
		<i>For &gt;50 To 100, Deduct</i>	-7.60		
		<i>For &gt;100 To 250, Deduct</i>	-13.77		
		<i>For &gt;250 To 500, Deduct</i>	-24.69		
		<i>For &gt;500, Deduct</i>	-35.61		
26 51 19 00-0528	EA	2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMKIT1A/24A/WH)	307.73	44.40	
		<i>For &gt;50 To 100, Deduct</i>	-9.36		
		<i>For &gt;100 To 250, Deduct</i>	-17.05		
		<i>For &gt;250 To 500, Deduct</i>	-30.77		
		<i>For &gt;500, Deduct</i>	-44.49		

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0529	EA 2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMK11A/24A/WH).....	311.41	44.40
	For >50 To 100, Deduct	-9.45	
	For >100 To 250, Deduct	-17.24	
	For >250 To 500, Deduct	-31.14	
	For >500, Deduct	-45.04	
26 51 19 00-0530	Refrigeration/Display LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0531	Refrigeration/Display LED Fixtures (Lithonia) (26 51 19 00-0530) Note: Fixtures exclude driver.		
26 51 19 00-0532	EA 5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM) .....	262.44	44.40
	For >50 To 100, Deduct	-8.23	
	For >100 To 250, Deduct	-14.79	
	For >250 To 500, Deduct	-26.24	
	For >500, Deduct	-37.70	
26 51 19 00-0533	EA 5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC) .....	339.94	78.61
	For >50 To 100, Deduct	-11.48	
	For >100 To 250, Deduct	-19.97	
	For >250 To 500, Deduct	-33.99	
	For >500, Deduct	-48.01	
26 51 19 00-0534	EA Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL) .....	313.49	62.90
	For >50 To 100, Deduct	-10.22	
	For >100 To 250, Deduct	-18.06	
	For >250 To 500, Deduct	-31.35	
	For >500, Deduct	-44.64	
26 51 19 00-0535	Pendant Mount, LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0536	Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting) (26 51 19 00- 0535)		
26 51 19 00-0537	EA 2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S) .....	2,391.71	97.20
	For >50 To 100, Deduct	-63.84	
	For >100 To 250, Deduct	-123.64	
	For >250 To 500, Deduct	-239.17	
	For >500, Deduct	-354.71	
26 51 19 00-0538	EA 4,333 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S) .....	3,620.27	102.91
	For >50 To 100, Deduct	-94.80	
	For >100 To 250, Deduct	-185.30	
	For >250 To 500, Deduct	-362.03	
	For >500, Deduct	-538.75	
26 51 19 00-0539	EA 4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S) .....	4,627.67	108.63
	For >50 To 100, Deduct	-120.22	
	For >100 To 250, Deduct	-235.91	
	For >250 To 500, Deduct	-462.77	
	For >500, Deduct	-689.62	
26 51 19 00-0540	EA 5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S) .....	5,856.23	114.35
	For >50 To 100, Deduct	-151.17	
	For >100 To 250, Deduct	-297.58	
	For >250 To 500, Deduct	-585.62	
	For >500, Deduct	-873.67	
26 51 19 00-0541	EA 2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S) .....	2,537.92	97.20
	For >50 To 100, Deduct	-67.50	
	For >100 To 250, Deduct	-130.95	
	For >250 To 500, Deduct	-253.79	
	For >500, Deduct	-376.64	
26 51 19 00-0542	EA 3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S) .....	3,814.00	102.91
	For >50 To 100, Deduct	-99.64	
	For >100 To 250, Deduct	-194.99	
	For >250 To 500, Deduct	-381.40	
	For >500, Deduct	-567.81	
26 51 19 00-0543	EA 4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S) .....	4,823.23	108.63
	For >50 To 100, Deduct	-125.11	
	For >100 To 250, Deduct	-245.69	
	For >250 To 500, Deduct	-482.32	
	For >500, Deduct	-718.96	
26 51 19 00-0544	EA 5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S) .....	6,075.55	114.35
	For >50 To 100, Deduct	-156.65	
	For >100 To 250, Deduct	-308.54	
	For >250 To 500, Deduct	-607.56	
	For >500, Deduct	-906.57	
26 51 19 00-0545	Pendant Mount, LED Commercial Fixtures (DMF) (26 51 19 00-0535)		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0546 EA 3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED) .....	923.21	57.18
For >50 To 100, Deduct	-25.46	
For >100 To 250, Deduct	-48.54	
For >250 To 500, Deduct	-92.32	
For >500, Deduct	-136.10	
<b>26 51 19 00-0547 LED Track Lighting Fixtures (26 51 19)</b>		
26 51 19 00-0548 EA 19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™) .....	188.69	17.42
For >50 To 100, Deduct	-5.37	
For >100 To 250, Deduct	-10.09	
For >250 To 500, Deduct	-18.87	
For >500, Deduct	-27.65	
26 51 19 00-0549 EA 18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED).....	330.31	17.42
For >50 To 100, Deduct	-8.91	
For >100 To 250, Deduct	-17.17	
For >250 To 500, Deduct	-33.03	
For >500, Deduct	-48.89	
26 51 19 00-0550 EA 24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33) .....	194.07	17.42
For >50 To 100, Deduct	-5.50	
For >100 To 250, Deduct	-10.36	
For >250 To 500, Deduct	-19.41	
For >500, Deduct	-28.46	
<b>26 51 23 HID Interior Lighting (26 51)</b>		
<b>26 51 23 00-0001 Large Interior Area Fixtures (26 51 23)</b>		
<b>26 51 23 00-0002 Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0001)</b>		
Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
<b>26 51 23 00-0003 High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0002)</b>		
26 51 23 00-0004 EA 150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture .....	331.46	111.20
For Instant Quartz Restrike, Add	60.00	
For Wire Guard, Add	40.50	
26 51 23 00-0005 EA 250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture .....	346.10	118.08
For Instant Quartz Restrike, Add	60.00	
For Wire Guard, Add	40.50	
26 51 23 00-0006 EA 400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture .....	366.76	134.77
For Instant Quartz Restrike, Add	60.00	
For Wire Guard, Add	40.50	
<b>26 51 23 00-0007 Metal Halide, Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0002)</b>		
26 51 23 00-0008 EA 150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture .....	340.39	111.20
For Instant Quartz Restrike, Add	60.00	
For Wire Guard, Add	40.50	
26 51 23 00-0009 EA 250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture .....	349.42	118.08
For Instant Quartz Restrike, Add	60.00	
For Wire Guard, Add	40.50	
26 51 23 00-0010 EA 400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture .....	379.61	134.77
For Instant Quartz Restrike, Add	60.00	
For Wire Guard, Add	40.50	
<b>26 51 23 00-0011 Low Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001)</b>		
Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		
<b>26 51 23 00-0012 High Pressure Sodium, Low Bay Fixtures (26 51 23 00-0011)</b>		
26 51 23 00-0013 EA 150 Watt High Pressure Sodium, Low Bay Fixture .....	379.07	101.58
For Instant Quartz Restrike, Add	60.00	
For Enclosed And Gasketed, Add	75.47	
For Glass Or Acrylic Reflector, Add	90.00	
For Wire Guard, Add	40.50	
26 51 23 00-0014 EA 250 Watt High Pressure Sodium, Low Bay Fixture .....	389.96	107.87
For Instant Quartz Restrike, Add	60.00	
For Enclosed And Gasketed, Add	75.47	
For Glass Or Acrylic Reflector, Add	90.00	
For Wire Guard, Add	40.50	
26 51 23 00-0015 EA 400 Watt High Pressure Sodium, Low Bay Fixture .....	413.92	123.11
For Instant Quartz Restrike, Add	60.00	
For Enclosed And Gasketed, Add	75.47	
For Glass Or Acrylic Reflector, Add	90.00	
For Wire Guard, Add	40.50	
<b>26 51 23 00-0016 Metal Halide, Low Bay Fixtures (26 51 23 00-0011)</b>		
26 51 23 00-0017 EA 175 Watt Metal Halide, Low Bay Fixture .....	378.52	101.58
For Instant Quartz Restrike, Add	60.00	
For Enclosed And Gasketed, Add	75.47	
For Glass Or Acrylic Reflector, Add	90.00	
For Wire Guard, Add	40.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0018 EA 250 Watt Metal Halide, Low Bay Fixture .....	388.65	107.87
For Instant Quartz Restrike, Add	60.00	
For Enclosed And Gasketed, Add	75.47	
For Glass Or Acrylic Reflector, Add	90.00	
For Wire Guard, Add	40.50	
26 51 23 00-0019 EA 400 Watt Metal Halide, Low Bay Fixture .....	422.79	123.11
For Instant Quartz Restrike, Add	60.00	
For Enclosed And Gasketed, Add	75.47	
For Glass Or Acrylic Reflector, Add	90.00	
For Wire Guard, Add	40.50	
<b>26 51 23 00-0020 High Bay Fixtures, Large Interior Area Fixtures</b> (26 51 23 00-0001)		
Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
<b>26 51 23 00-0021 High Pressure Sodium, High Bay Fixtures</b> (26 51 23 00-0020)		
Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0022 EA 250 Watt High Pressure Sodium, High Bay Fixture .....	350.45	107.87
For Instant Quartz Restrike, Add	60.00	
For Ballast Safety Chain, Add	12.13	
For Security Chain, Add	19.34	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Glass Or Acrylic Reflector, Add	90.00	
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Optical Safety Chain, Add	7.47	
26 51 23 00-0023 EA 400 Watt High Pressure Sodium, High Bay Fixture .....	378.58	123.11
For Instant Quartz Restrike, Add	60.00	
For Ballast Safety Chain, Add	12.13	
For Security Chain, Add	19.34	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Glass Or Acrylic Reflector, Add	90.00	
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Optical Safety Chain, Add	7.47	
26 51 23 00-0024 EA 1,000 Watt High Pressure Sodium, High Bay Fixture .....	555.83	129.50
For Instant Quartz Restrike, Add	60.00	
For Ballast Safety Chain, Add	12.13	
For Security Chain, Add	19.34	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Glass Or Acrylic Reflector, Add	90.00	
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Optical Safety Chain, Add	7.47	
<b>26 51 23 00-0025 Metal Halide, High Bay Fixtures</b> (26 51 23 00-0020)		
Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0026 EA 250 Watt Metal Halide, High Bay Fixture .....	330.59	107.87
For Instant Quartz Restrike, Add	60.00	
For Ballast Safety Chain, Add	12.13	
For Security Chain, Add	19.34	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Glass Or Acrylic Reflector, Add	90.00	
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Optical Safety Chain, Add	7.47	
26 51 23 00-0027 EA 400 Watt Metal Halide, High Bay Fixture .....	364.58	123.11
For Instant Quartz Restrike, Add	60.00	
For Ballast Safety Chain, Add	12.13	
For Security Chain, Add	19.34	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Glass Or Acrylic Reflector, Add	90.00	
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Optical Safety Chain, Add	7.47	
26 51 23 00-0028 EA 1,000 Watt Metal Halide, High Bay Fixture .....	472.26	129.50
For Instant Quartz Restrike, Add	60.00	
For Ballast Safety Chain, Add	12.13	
For Security Chain, Add	19.34	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Glass Or Acrylic Reflector, Add	90.00	
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Optical Safety Chain, Add	7.47	
<b>26 51 23 00-0029 Induction, High Bay Fixtures</b> (26 51 23 00-0020)		
<b>26 51 23 00-0030 Induction, High Bay Fixtures (Everlast®)</b> (26 51 23 00-0029)		
Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51 23 00-0031 EA 100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	446.79	94.34
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0032 EA 120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	479.56	97.48
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0033 EA 150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	488.19	100.63
For Impact Resistant Silicon Lens, Add	20.00	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0034 EA 200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	532.54	103.78
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0035 EA 250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	546.00	106.92
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0036 EA 100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	480.58	94.34
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0037 EA 120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	513.35	97.48
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0038 EA 150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	521.98	100.63
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0039 EA 200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	566.33	103.78
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0040 EA 250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	579.79	106.92
For Impact Resistant Silicon Lens, Add	20.00	
<b>26 51 23 00-0041 Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0001)</b>		
Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
<b>26 51 23 00-0042 High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0041)</b>		
26 51 23 00-0043 EA 100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	298.61	72.29
For Instant Quartz Restrike, Add	60.00	
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0044 EA 150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	612.84	72.29
For Instant Quartz Restrike, Add	60.00	
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0045 EA 250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	705.08	72.29
For Instant Quartz Restrike, Add	60.00	
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0046 EA 400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	945.26	72.29
For Instant Quartz Restrike, Add	60.00	
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
<b>26 51 23 00-0047 Metal Halide, Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0041)</b>		
26 51 23 00-0048 EA 100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	281.94	72.29
For Instant Quartz Restrike, Add	60.00	
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0049 EA 175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	296.72	80.22
For Instant Quartz Restrike, Add	60.00	
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0050 EA 250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	315.76	86.89
For Instant Quartz Restrike, Add	60.00	
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0051 EA 400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	353.32	103.48
For Instant Quartz Restrike, Add	60.00	
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
<b>26 51 23 00-0052 High Pressure Sodium, Recessed Fixture Housings (26 51 23)</b>		
26 51 23 00-0053 EA 4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	107.47	30.04
For ICAT Housing, Add	8.08	
26 51 23 00-0054 EA 5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	111.65	30.04
For ICAT Housing, Add	8.62	
26 51 23 00-0055 EA 6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	117.21	31.29
For ICAT Housing, Add	9.06	
26 51 23 00-0056 EA 7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	121.58	32.65
For ICAT Housing, Add	9.36	
26 51 23 00-0057 EA 8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	125.91	34.01
For ICAT Housing, Add	9.65	
26 51 23 00-0058 EA 10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	130.15	36.09
For ICAT Housing, Add	9.79	
<b>26 51 23 00-0059 Metal Halide Track Lighting Fixtures (26 51 23)</b>		
26 51 23 00-0060 EA Metal Halide Track Lighting Fixture .....	68.94	17.42
<b>26 51 23 00-0061 Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 23)</b>		
26 51 23 00-0062 EA 75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	159.80	41.73
For Wall Mounted, Add	6.30	
26 51 23 00-0063 EA 100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	164.77	41.73
For Wall Mounted, Add	6.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0064 EA 150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	174.87	41.73
For Wall Mounted, Add	6.30	
26 51 23 00-0065 EA 175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	190.05	41.73
For Wall Mounted, Add	6.30	
<b>26 51 23 00-0066 High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 23)</b>		
26 51 23 00-0067 EA 70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	147.96	41.73
For Wall Mounted, Add	6.67	
26 51 23 00-0068 EA 100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	154.14	41.73
For Wall Mounted, Add	6.67	
26 51 23 00-0069 EA 150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	178.01	41.73
For Wall Mounted, Add	6.67	
<b>26 51 33 Interior Lighting Accessories (26 51)</b>		
<b>26 51 33 00-0001 Accessories And Modifiers For Fixtures (26 51 33)</b>		
<b>26 51 33 00-0002 Lens Modifications (26 51 33 00-0001)</b>		
26 51 33 00-0003 EA For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	34.88	
26 51 33 00-0004 EA For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	43.09	
26 51 33 00-0005 EA For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	45.14	
26 51 33 00-0006 EA For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	49.25	
26 51 33 00-0007 EA For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	59.51	
26 51 33 00-0008 EA For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	14.36	
26 51 33 00-0009 EA For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	20.52	
26 51 33 00-0010 EA For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	22.57	
26 51 33 00-0011 EA For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	26.68	
<b>26 51 33 00-0012 Pendant Mounting Modifications (26 51 33 00-0001)</b>		
Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 33 00-0013 EA For Pendant Mounting Up to 1'-6" Long Section.....	15.60	
Note: Per pendant.		
26 51 33 00-0014 EA For Pendant Mounting 2' Long Section.....	18.06	
Note: Per pendant.		
26 51 33 00-0015 EA For Pendant Mounting 3' Long Section.....	23.11	
Note: Per pendant.		
26 51 33 00-0016 EA For Pendant Mounting 4' Long Section.....	27.29	
Note: Per pendant.		
26 51 33 00-0017 EA For Pendant Mounting 6' Long Section.....	34.47	
Note: Per pendant.		
26 51 33 00-0018 EA For Pendant Mounting 8' Long Section.....	46.79	
Note: Per pendant.		
<b>26 51 33 00-0019 Fluorescent Light Accessories (26 51 33 00-0001)</b>		
26 51 33 00-0020 EA Blank Metal Light Box Plate .....	17.18	
26 51 33 00-0021 EA Factory Installed Fixture Mounted Occupancy Sensor.....	157.99	
<b>26 51 33 00-0022 Wire Guards (26 51 33 00-0001)</b>		
26 51 33 00-0023 EA Wire Guard for 6" x 2' Fixture.....	65.31	5.22
26 51 33 00-0024 EA Wire Guard for 6" x 4' Fixture.....	91.33	8.36
26 51 33 00-0025 EA Wire Guard for 1" x 2' Fixture.....	72.93	5.75
26 51 33 00-0026 EA Wire Guard for 1" x 4' Fixture.....	103.35	8.88
26 51 33 00-0027 EA Wire Guard for 2" x 2' Fixture.....	89.35	6.27
26 51 33 00-0028 EA Wire Guard for 2" x 4' Fixture.....	121.94	9.40
<b>26 51 33 00-0029 Lighting Accessories (26 51 33)</b>		
<b>26 51 33 00-0030 Modular Flexible Wiring Systems (26 51 33 00-0029)</b>		
26 51 33 00-0031 EA 10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10) .....	93.50	5.63
26 51 33 00-0032 EA 15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15) .....	111.77	5.63
26 51 33 00-0033 EA 20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20) .....	135.63	5.63
26 51 33 00-0034 EA 15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15) .....	111.77	5.63
26 51 33 00-0035 EA 3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E) .....	90.48	5.63
26 51 33 00-0036 EA 13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13) .....	138.54	5.63
26 51 33 00-0037 EA 3' Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M) .....	74.14	5.63
26 51 33 00-0038 EA 3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E).....	84.77	5.63
26 51 33 00-0039 EA 7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07).....	112.28	5.63
26 51 33 00-0040 EA 7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07) .....	112.28	5.63
26 51 33 00-0041 EA 7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07).....	114.28	5.63
26 51 33 00-0042 EA 7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07) .....	113.54	5.63
26 51 33 00-0043 EA 7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07).....	113.54	5.63
26 51 33 00-0044 EA 15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15).....	131.43	5.63



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 33 00-0045 EA 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D).....	57.01	5.63
26 51 33 00-0046 EA 3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E).....	52.83	5.63
26 51 33 00-0047 EA 3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E).....	54.29	5.63
26 51 33 00-0048 EA 3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E).....	69.77	5.63
26 51 33 00-0049 EA 15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15).....	93.50	5.63
26 51 33 00-0050 EA 15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15).....	96.02	5.63
26 51 33 00-0051 EA Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E).....	73.61	5.63
26 51 33 00-0052 EA 3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E).....	52.83	5.63
26 51 33 00-0053 EA Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning.....	46.94	
<b>26 51 33 00-0054 Additional Lighting Wire Whips (26 51 33)</b>		
26 51 33 00-0055 LF For Each Additional LF Of Interior Lighting Wire Whip, Add.....	1.71	
Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.		
<b>26 51 33 00-0056 Removal And Reinstallation Of Light Fixtures (26 51 33)</b>		
Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.		
26 51 33 00-0057 EA Removal And Reinstallation Of Lay-In Fluorescent Light Fixture.....	111.02	
26 51 33 00-0058 EA Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture.....	126.87	
<b>26 52 Safety Lighting (26 50)</b>		
<b>26 52 13 Emergency and Exit Lighting (26 52)</b>		
<b>26 52 13 13 Emergency Lighting (26 52 13)</b>		
<b>26 52 13 13-0001 Commercial Emergency Lights (26 52 13 13)</b>		
<b>26 52 13 13-0002 Polycarbonate Housing, Commercial Emergency Lights (26 52 13 13-0001)</b>		
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0003 EA 3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED).....	224.30	26.08
26 52 13 13-0004 EA 10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2).....	151.95	26.08
For Self-Diagnostics, Add 87.50		
For Halogen Lamps, Add 27.55		
26 52 13 13-0005 EA 18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618).....	246.63	26.08
For Self-Diagnostics, Add 87.50		
For Halogen Lamps, Add 27.55		
26 52 13 13-0006 EA 27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627).....	289.50	26.08
For Self-Diagnostics, Add 87.50		
For Halogen Lamps, Add 27.55		
26 52 13 13-0007 EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654).....	436.81	26.08
For Self-Diagnostics, Add 87.50		
For Halogen Lamps, Add 27.55		
26 52 13 13-0008 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254).....	496.61	26.08
For Self-Diagnostics, Add 87.50		
For Halogen Lamps, Add 27.55		
26 52 13 13-0009 EA 72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272).....	729.58	26.08
For Self-Diagnostics, Add 87.50		
For Halogen Lamps, Add 27.55		
<b>26 52 13 13-0010 Remote Heads For Commercial Emergency Lights (26 52 13 13-0001)</b>		
Note: For use with fixtures that have remote capability.		
26 52 13 13-0011 EA 6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606).....	152.58	15.65
26 52 13 13-0012 EA 6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606).....	153.65	15.65
26 52 13 13-0013 EA 8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806).....	157.27	15.65
26 52 13 13-0014 EA 12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212).....	156.69	15.65
26 52 13 13-0015 EA 12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212).....	134.48	15.65
26 52 13 13-0016 EA 12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	90.39	15.65
<b>26 52 13 13-0017 Industrial Emergency Lights (26 52 13 13)</b>		
<b>26 52 13 13-0018 Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0017)</b>		
<b>26 52 13 13-0019 Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0018)</b>		
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0020 EA 16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16).....	404.27	26.08
For Wireguard, Add 211.86		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0021 EA 24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24) .....	337.37	26.08
<i>For Wireguard, Add</i>	211.86	
26 52 13 13-0022 EA 36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36) .....	532.90	26.08
<i>For Wireguard, Add</i>	211.86	
26 52 13 13-0023 EA 50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50).....	566.64	26.08
<i>For Wireguard, Add</i>	211.86	
26 52 13 13-0024 EA 125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	814.11	26.08
<i>For Wireguard, Add</i>	225.65	
26 52 13 13-0025 EA 275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	1,287.52	26.08
<i>For Wireguard, Add</i>	225.65	
<b>26 52 13 13-0026 Remote Heads For Painted Steel Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0018)</small>		
Note: For use with fixtures that have remote capability.		
26 52 13 13-0027 EA 8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	115.80	15.65
<i>For Wireguard, Add</i>	170.98	
26 52 13 13-0028 EA 12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	120.01	15.65
<i>For Wireguard, Add</i>	170.98	
26 52 13 13-0029 EA 8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812).....	116.39	15.65
<i>For Wireguard, Add</i>	170.98	
26 52 13 13-0030 EA 12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	117.07	15.65
<i>For Wireguard, Add</i>	170.98	
26 52 13 13-0031 EA 12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	120.01	15.65
<i>For Wireguard, Add</i>	170.98	
26 52 13 13-0032 EA 12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	141.33	15.65
<i>For Wireguard, Add</i>	170.98	
<b>26 52 13 13-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0017)</small>		
<b>26 52 13 13-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0033)</small>		
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0035 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618) .....	398.89	26.08
<i>For Wireguard, Add</i>	205.99	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0036 EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	434.59	26.08
<i>For Wireguard, Add</i>	205.99	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0037 EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	424.81	26.08
<i>For Wireguard, Add</i>	205.99	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0038 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	449.76	26.08
<i>For Wireguard, Add</i>	205.99	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0039 EA 100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	765.69	26.08
<i>For Wireguard, Add</i>	205.99	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0040 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618) .....	598.92	26.08
<i>For Wireguard, Add</i>	205.99	
<i>For Self-Diagnostics, Add</i>	61.50	
26 52 13 13-0041 EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	672.28	26.08
<i>For Wireguard, Add</i>	205.99	
<i>For Self-Diagnostics, Add</i>	61.50	
26 52 13 13-0042 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	709.45	26.08
<i>For Wireguard, Add</i>	205.99	
<i>For Self-Diagnostics, Add</i>	61.50	
<b>26 52 13 13-0043 Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0033)</small>		
Note: For use with fixtures that have remote capability.		
26 52 13 13-0044 EA 9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906).....	99.66	15.65



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Safety Lighting	26 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0045	EA		12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	108.17	15.65
26 52 13 13-0046	EA		9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	99.76	15.65
26 52 13 13-0047	EA		12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	106.02	15.65
26 52 13 13-0048	EA		12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	89.94	15.65
<b>26 52 13 13-0049</b>			<b>Outdoor Emergency Lights</b> (26 52 13 13)		
<b>26 52 13 13-0050</b>			<b>Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights</b> (26 52 13 13-0049) Note: Includes nickel-cadmium batteries.		
26 52 13 13-0051	EA		10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	634.62	26.08
26 52 13 13-0052	EA		10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	759.33	26.08
<b>26 52 13 13-0053</b>			<b>Recessed Emergency Lights</b> (26 52 13 13)		
26 52 13 13-0054	EA		10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG).....	693.07	26.08
			For Wire Guard, Add	60.00	
26 52 13 13-0055	EA		16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	534.90	52.15
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			For Wireguard, Add	225.65	
26 52 13 13-0056	EA		50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	776.60	52.15
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			For Wireguard, Add	225.65	
<b>26 52 13 13-0057</b>			<b>Square Wraparound Emergency Lights</b> (26 52 13 13)		
26 52 13 13-0058	EA		10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ).....	311.85	26.08
<b>26 52 13 16</b>			<b>Exit Signs</b> (26 52 13) Note: Excludes pendants.		
<b>26 52 13 16-0001</b>			<b>LED Exit Signs</b> (26 52 13 16) Note: Includes red LED lamps.		
26 52 13 16-0002	EA		Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6).....	175.17	38.13
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-6.29	
			For >100 To 250, Deduct	-10.67	
			For >250 To 500, Deduct	-17.52	
			For >500, Deduct	-24.37	
26 52 13 16-0003	EA		Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6).....	175.17	38.13
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-6.29	
			For >100 To 250, Deduct	-10.67	
			For >250 To 500, Deduct	-17.52	
			For >500, Deduct	-24.37	
26 52 13 16-0004	EA		Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N-M6).....	249.16	38.13
			For Green LED Lamps, Add	15.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-8.14	
			For >100 To 250, Deduct	-14.36	
			For >250 To 500, Deduct	-24.92	
			For >500, Deduct	-35.47	
26 52 13 16-0005	EA		Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN).....	249.16	38.13
			For Green LED Lamps, Add	15.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-8.14	
			For >100 To 250, Deduct	-14.36	
			For >250 To 500, Deduct	-24.92	
			For >500, Deduct	-35.47	
26 52 13 16-0006	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R).....	275.60	38.13
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-8.80	
			For >100 To 250, Deduct	-15.69	
			For >250 To 500, Deduct	-27.56	
			For >500, Deduct	-39.43	
26 52 13 16-0007	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R).....	314.17	38.13
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-9.76	
			For >100 To 250, Deduct	-17.62	
			For >250 To 500, Deduct	-31.42	
			For >500, Deduct	-45.22	

**26 Electrical****26 50 Lighting****26 52 Safety Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0008 EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N).....	259.48	38.13
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
For >50 To 100, Deduct	-8.39	
For >100 To 250, Deduct	-14.88	
For >250 To 500, Deduct	-25.95	
For >500, Deduct	-37.02	
26 52 13 16-0009 EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N) .....	287.48	38.13
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
For >50 To 100, Deduct	-9.09	
For >100 To 250, Deduct	-16.28	
For >250 To 500, Deduct	-28.75	
For >500, Deduct	-41.22	
26 52 13 16-0010 EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4) .....	329.24	38.13
Note: Includes two circular side mounted krypton emergency lights.		
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-10.84	
For >100 To 250, Deduct	-19.07	
For >250 To 500, Deduct	-32.92	
For >500, Deduct	-46.78	
26 52 13 16-0011 EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6) .....	287.38	38.13
Note: Includes two circular side mounted LED emergency lights.		
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-9.79	
For >100 To 250, Deduct	-16.98	
For >250 To 500, Deduct	-28.74	
For >500, Deduct	-40.50	
26 52 13 16-0012 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH).....	416.58	38.13
Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-13.02	
For >100 To 250, Deduct	-23.44	
For >250 To 500, Deduct	-41.66	
For >500, Deduct	-59.88	
26 52 13 16-0013 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM).....	436.91	38.13
Note: Includes two circular side mounted PAR 36 emergency lights.		
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-13.53	
For >100 To 250, Deduct	-24.45	
For >250 To 500, Deduct	-43.69	
For >500, Deduct	-62.93	
26 52 13 16-0014 EA Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R).....	112.89	38.13
For >50 To 100, Deduct	-4.73	
For >100 To 250, Deduct	-7.55	
For >250 To 500, Deduct	-11.29	
For >500, Deduct	-15.03	
26 52 13 16-0015 EA 120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R) .....	113.36	38.13
For >50 To 100, Deduct	-4.74	
For >100 To 250, Deduct	-7.57	
For >250 To 500, Deduct	-11.34	
For >500, Deduct	-15.10	
26 52 13 16-0016 EA Single Face, LED Exit Sign (Lithonia EXG LED M6).....	107.45	38.18
For >50 To 100, Deduct	-4.59	
For >100 To 250, Deduct	-7.28	
For >250 To 500, Deduct	-10.75	
For >500, Deduct	-14.21	
26 52 13 16-0017 EA Single Face, LED Exit Sign Emergency Light Combo With 2 Lamp Heads (Lithonia ECC G) .....	137.86	38.18
For >50 To 100, Deduct	-5.35	
For >100 To 250, Deduct	-8.80	
For >250 To 500, Deduct	-13.79	
For >500, Deduct	-18.77	
<b>26 52 13 16-0018 Edge-Lit LED Exit Signs</b> <small>(26 52 13 16)</small>		
Note: Includes red LED lamps.		
26 52 13 16-0019 EA Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6) .....	222.92	38.13
For Green LED Lamps, Add	40.00	
For >50 To 100, Deduct	-7.48	
For >100 To 250, Deduct	-13.05	
For >250 To 500, Deduct	-22.29	
For >500, Deduct	-31.53	
26 52 13 16-0020 EA Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6) .....	225.25	38.13
For Green LED Lamps, Add	40.00	
For >50 To 100, Deduct	-7.54	
For >100 To 250, Deduct	-13.17	
For >250 To 500, Deduct	-22.53	
For >500, Deduct	-31.88	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Safety Lighting	26 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0021	EA		Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6) .....	241.00	38.13
			For Green LED Lamps, Add	40.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-7.93	
			For >100 To 250, Deduct	-13.96	
			For >250 To 500, Deduct	-24.10	
			For >500, Deduct	-34.24	
26 52 13 16-0022	EA		Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6).....	288.08	38.13
			For Green LED Lamps, Add	40.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-9.11	
			For >100 To 250, Deduct	-16.31	
			For >250 To 500, Deduct	-28.81	
			For >500, Deduct	-41.31	
<b>26 52 13 16-0023</b>			<b>Self-Luminous Tritium Exit Signs</b> <small>(26 52 13 16)</small>		
			Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 52 13 16-0024	EA		10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R).....	534.02	38.13
			For >50 To 100, Deduct	-15.26	
			For >100 To 250, Deduct	-28.61	
			For >250 To 500, Deduct	-53.40	
			For >500, Deduct	-78.20	
26 52 13 16-0025	EA		10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R).....	991.29	38.13
			For >50 To 100, Deduct	-26.69	
			For >100 To 250, Deduct	-51.47	
			For >250 To 500, Deduct	-99.13	
			For >500, Deduct	-146.79	
26 52 13 16-0026	EA		20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R).....	638.19	38.13
			For >50 To 100, Deduct	-17.86	
			For >100 To 250, Deduct	-33.82	
			For >250 To 500, Deduct	-63.82	
			For >500, Deduct	-93.82	
26 52 13 16-0027	EA		20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R).....	1,074.92	38.13
			For >50 To 100, Deduct	-28.78	
			For >100 To 250, Deduct	-55.65	
			For >250 To 500, Deduct	-107.49	
			For >500, Deduct	-159.33	
26 52 13 16-0028	EA		10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R).....	585.86	38.13
			For >50 To 100, Deduct	-16.55	
			For >100 To 250, Deduct	-31.20	
			For >250 To 500, Deduct	-58.59	
			For >500, Deduct	-85.97	
26 52 13 16-0029	EA		10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R) .....	1,074.92	38.13
			For >50 To 100, Deduct	-28.78	
			For >100 To 250, Deduct	-55.65	
			For >250 To 500, Deduct	-107.49	
			For >500, Deduct	-159.33	
26 52 13 16-0030	EA		20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R).....	721.33	38.13
			For >50 To 100, Deduct	-19.94	
			For >100 To 250, Deduct	-37.97	
			For >250 To 500, Deduct	-72.13	
			For >500, Deduct	-106.29	
26 52 13 16-0031	EA		20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R) .....	1,337.06	38.13
			For >50 To 100, Deduct	-35.33	
			For >100 To 250, Deduct	-68.76	
			For >250 To 500, Deduct	-133.71	
			For >500, Deduct	-198.65	
<b>26 52 13 16-0032</b>			<b>Vandal-Resistant LED Exit Signs</b> <small>(26 52 13 16)</small>		
			Note: Includes red LED lamps.		
26 52 13 16-0033	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277) .....	503.21	38.13
			For >50 To 100, Deduct	-14.49	
			For >100 To 250, Deduct	-27.07	
			For >250 To 500, Deduct	-50.32	
			For >500, Deduct	-73.58	
26 52 13 16-0034	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N) .....	786.38	38.13
			For >50 To 100, Deduct	-21.57	
			For >100 To 250, Deduct	-41.23	
			For >250 To 500, Deduct	-78.64	
			For >500, Deduct	-116.05	
26 52 13 16-0035	EA		Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X).....	959.99	38.13
			For >50 To 100, Deduct	-25.91	
			For >100 To 250, Deduct	-49.91	
			For >250 To 500, Deduct	-96.00	
			For >500, Deduct	-142.09	
<b>26 52 13 16-0036</b>			<b>Removal And Reinstallation Of Exit Light Fixture</b> <small>(26 52 13 16)</small>		

**26 Electrical****26 50 Lighting****26 52 Safety Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0037	EA		Removal And Reinstall Of Exit Light Fixtures ..... Note: Includes storage and cleaning.	78.23	
			For >50 To 100, Deduct	-3.91	
			For >100 To 250, Deduct	-5.87	
			For >250 To 500, Deduct	-7.82	
			For >500, Deduct	-9.78	
<b>26 52 13 16-0038</b>			<b>Exit Sign Accessories</b> <small>(26 52 13 16)</small>		
26 52 13 16-0039	EA		Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1).....	118.69	10.45
			For >50 To 100, Deduct	-3.49	
			For >100 To 250, Deduct	-6.46	
			For >250 To 500, Deduct	-11.87	
			For >500, Deduct	-17.28	
26 52 13 16-0040	EA		Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1) .....	68.08	10.45
			For >50 To 100, Deduct	-2.22	
			For >100 To 250, Deduct	-3.93	
			For >250 To 500, Deduct	-6.81	
			For >500, Deduct	-9.69	
26 52 13 16-0041	EA		Wire Guard For Combination Exit Sign And Emergency Light (Best Lighting Products WG-3) .....	111.07	8.36
			For >50 To 100, Deduct	-3.19	
			For >100 To 250, Deduct	-5.97	
			For >250 To 500, Deduct	-11.11	
			For >500, Deduct	-16.24	
26 52 13 16-0042	EA		Removal And Replacement Of Battery For Exit Signs..... Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity	117.96	
			For >50 To 100, Deduct	-3.60	
			For >100 To 250, Deduct	-6.55	
			For >250 To 500, Deduct	-11.80	
			For >500, Deduct	-17.04	
<b>26 54</b>			<b>Classified Location Lighting</b> <small>(26 50)</small>		
<b>26 54 19</b>			<b>LED Classified Location Lighting</b> <small>(26 54)</small>		
26 54 19 00-0001			Class I Division 2, Hazardous Location, LED Fixtures <small>(26 54 19)</small>		
26 54 19 00-0002			Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) <small>(26 54 19 00-0001)</small>		
			Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0003	EA		5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L).....	3,783.28	85.76
			For Bolt-On Visor, Add	149.51	
			For Bolt-On Wire Guard, Add	307.52	
			For 480 Volt, Add	263.29	
			For Warm White Color Rendering, Add	111.79	
			For >50 To 100, Deduct	-98.16	
			For >100 To 250, Deduct	-192.74	
			For >250 To 500, Deduct	-378.33	
			For >500, Deduct	-563.92	
26 54 19 00-0004	EA		7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L).....	4,654.06	91.48
			For Bolt-On Visor, Add	149.51	
			For Bolt-On Wire Guard, Add	307.52	
			For 480 Volt, Add	263.29	
			For Warm White Color Rendering, Add	111.79	
			For >50 To 100, Deduct	-120.16	
			For >100 To 250, Deduct	-236.51	
			For >250 To 500, Deduct	-465.41	
			For >500, Deduct	-694.30	
26 54 19 00-0005	EA		9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L).....	5,266.53	97.20
			For Bolt-On Visor, Add	149.51	
			For Bolt-On Wire Guard, Add	307.52	
			For 480 Volt, Add	263.29	
			For Warm White Color Rendering, Add	111.79	
			For >50 To 100, Deduct	-135.71	
			For >100 To 250, Deduct	-267.38	
			For >250 To 500, Deduct	-526.65	
			For >500, Deduct	-785.93	
26 54 19 00-0006	EA		11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L).....	5,896.18	102.91
			For Bolt-On Visor, Add	149.51	
			For Bolt-On Wire Guard, Add	307.52	
			For 480 Volt, Add	263.29	
			For Warm White Color Rendering, Add	111.79	
			For >50 To 100, Deduct	-151.69	
			For >100 To 250, Deduct	-299.10	
			For >250 To 500, Deduct	-589.62	
			For >500, Deduct	-880.14	





<b>Electrical</b>	<b>26</b>	
<b>Lighting</b>	<b>26 50</b>	<b>26</b>
Classified Location Lighting	26 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0007 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) <small>(26 54 19 00-0001)</small> Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0008 EA 1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) .....	2,193.46	80.05
For 12/24 Volt DC Driver, Add	42.49	
For Frosted Lens, Add	86.84	
For Warm White Color Temperature LEDs, Add	111.79	
For 55 Degree Ambient Suitability (AC Only) Option, Add	57.85	
For Stanchion Mount, Add	358.23	
For Ceiling Mount, Add	143.65	
For Wall Mount, Add	209.69	
For Teflon Coated Lens, Add	184.31	
For Wall Mount With Junction Box, Add	306.17	
For >50 To 100, Deduct	-58.17	
For >100 To 250, Deduct	-113.01	
For >250 To 500, Deduct	-219.35	
For >500, Deduct	-325.68	
26 54 19 00-0009 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) <small>(26 54 19 00-0001)</small> Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0010 EA 3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L) .....	3,555.70	80.05
For Ceiling Mount, Add	27.49	
For Quick Clip Mounting Option, Add	40.38	
For Frosted Lens, Add	86.84	
For Warm White Color Rendering, Add	111.79	
For Polycarbonate Lens, Add	160.95	
For 480 Volt, Add	263.29	
For >50 To 100, Deduct	-92.23	
For >100 To 250, Deduct	-181.12	
For >250 To 500, Deduct	-355.57	
For >500, Deduct	-530.02	
26 54 19 00-0011 EA 3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L) .....	3,943.57	85.76
For Ceiling Mount, Add	27.49	
For Quick Clip Mounting Option, Add	40.38	
For Frosted Lens, Add	86.84	
For Warm White Color Rendering, Add	111.79	
For Polycarbonate Lens, Add	160.95	
For 480 Volt, Add	263.29	
For >50 To 100, Deduct	-102.16	
For >100 To 250, Deduct	-200.75	
For >250 To 500, Deduct	-394.36	
For >500, Deduct	-587.96	
26 54 19 00-0012 EA 6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L) .....	4,426.38	91.48
For Ceiling Mount, Add	27.49	
For Quick Clip Mounting Option, Add	40.38	
For Frosted Lens, Add	86.84	
For Warm White Color Rendering, Add	111.79	
For Polycarbonate Lens, Add	160.95	
For 480 Volt, Add	263.29	
For >50 To 100, Deduct	-114.47	
For >100 To 250, Deduct	-225.13	
For >250 To 500, Deduct	-442.64	
For >500, Deduct	-660.15	
26 54 19 00-0013 EA 6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L) .....	5,799.65	97.20
For Ceiling Mount, Add	27.49	
For Quick Clip Mounting Option, Add	40.38	
For Frosted Lens, Add	86.84	
For Warm White Color Rendering, Add	111.79	
For Polycarbonate Lens, Add	160.95	
For 480 Volt, Add	263.29	
For >50 To 100, Deduct	-149.04	
For >100 To 250, Deduct	-294.03	
For >250 To 500, Deduct	-579.97	
For >500, Deduct	-865.90	
26 54 19 00-0014 EA 9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L) .....	6,667.26	102.91
For Ceiling Mount, Add	27.49	
For Quick Clip Mounting Option, Add	40.38	
For Frosted Lens, Add	86.84	
For Warm White Color Rendering, Add	111.79	
For Polycarbonate Lens, Add	160.95	
For 480 Volt, Add	263.29	
For >50 To 100, Deduct	-170.97	
For >100 To 250, Deduct	-337.65	
For >250 To 500, Deduct	-666.73	
For >500, Deduct	-995.80	

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 54</b>	<b>Classified Location Lighting</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 54 19 00-0015	Class I Division 1, Explosion Proof, LED Fixtures <small>(26 54 19)</small>		
26 54 19 00-0016	Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) <small>(26 54 19 00-0015)</small>		
	Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0017	EA 5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L).....	5,083.89	85.76
	For Wall Mount, Deduct	-19.76	
	For Warm Color Temperature LEDs, Add	106.47	
	For Stainless Steel Guard, Add	191.10	
	For Ceiling Mount, Add	230.53	
	For Stanchion Mount, Add	268.30	
	For Yoke Mount, Add	670.76	
	For >50 To 100, Deduct	-130.67	
	For >100 To 250, Deduct	-257.77	
	For >250 To 500, Deduct	-508.39	
	For >500, Deduct	-759.01	
26 54 19 00-0018	EA 6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L).....	6,195.47	91.48
	For Wall Mount, Deduct	-19.76	
	For Warm Color Temperature LEDs, Add	106.47	
	For Stainless Steel Guard, Add	191.10	
	For Ceiling Mount, Add	230.53	
	For Stanchion Mount, Add	268.30	
	For Yoke Mount, Add	670.76	
	For >50 To 100, Deduct	-158.70	
	For >100 To 250, Deduct	-313.59	
	For >250 To 500, Deduct	-619.55	
	For >500, Deduct	-925.51	
26 54 19 00-0019	EA 9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L).....	7,206.99	97.20
	For Wall Mount, Deduct	-19.76	
	For Warm Color Temperature LEDs, Add	106.47	
	For Stainless Steel Guard, Add	191.10	
	For Ceiling Mount, Add	230.53	
	For Stanchion Mount, Add	268.30	
	For Yoke Mount, Add	670.76	
	For >50 To 100, Deduct	-184.22	
	For >100 To 250, Deduct	-364.40	
	For >250 To 500, Deduct	-720.70	
	For >500, Deduct	-1,077.00	
26 54 19 00-0020	EA 10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L).....	8,237.20	102.91
	For Wall Mount, Deduct	-19.76	
	For Warm Color Temperature LEDs, Add	106.47	
	For Stainless Steel Guard, Add	191.10	
	For Ceiling Mount, Add	230.53	
	For Stanchion Mount, Add	268.30	
	For Yoke Mount, Add	670.76	
	For >50 To 100, Deduct	-210.22	
	For >100 To 250, Deduct	-416.15	
	For >250 To 500, Deduct	-823.72	
	For >500, Deduct	-1,231.29	
26 54 19 00-0021	EA 13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L).....	9,555.88	99.10
	For Wall Mount, Deduct	-19.76	
	For Warm Color Temperature LEDs, Add	106.47	
	For Stainless Steel Guard, Add	191.10	
	For Ceiling Mount, Add	230.53	
	For Stanchion Mount, Add	268.30	
	For Yoke Mount, Add	670.76	
	For >50 To 100, Deduct	-243.42	
	For >100 To 250, Deduct	-482.32	
	For >250 To 500, Deduct	-955.59	
	For >500, Deduct	-1,428.86	
26 55	Special Purpose Lighting <small>(26 50)</small>		
26 55 13	Landscape Lighting <small>(26 55)</small>		
26 55 13 00-0001	Bollards <small>(26 55 13)</small> Note: Excludes concrete base.		
26 55 13 00-0002	Aluminum Architectural Bollards <small>(26 55 13 00-0001)</small>		
26 55 13 00-0003	High Pressure Sodium, Aluminum Architectural Bollards <small>(26 55 13 00-0002)</small>		
26 55 13 00-0004	Square, High Pressure Sodium, Aluminum Architectural Bollards <small>(26 55 13 00-0003)</small>		
26 55 13 00-0005	EA 24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,454.33	88.67
26 55 13 00-0006	EA 30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,464.76	93.88
26 55 13 00-0007	EA 36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,475.19	99.09
26 55 13 00-0008	EA 42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,362.32	104.31
26 55 13 00-0009	EA 24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,454.33	88.67





MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>26 55 13 00-0079</b>	<b>Round, Compact Fluorescent, Aluminum Architectural Bollards</b> <small>(26 55 13 00-0065)</small>		
26 55 13 00-0080	EA 24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,391.99	88.67
26 55 13 00-0081	EA 30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,402.42	93.88
26 55 13 00-0082	EA 36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,412.85	99.09
26 55 13 00-0083	EA 42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,302.21	104.31
26 55 13 00-0084	EA 24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,391.99	88.67
26 55 13 00-0085	EA 30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,402.42	93.88
26 55 13 00-0086	EA 36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,412.85	99.09
26 55 13 00-0087	EA 42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,302.21	104.31
26 55 13 00-0088	EA 24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,391.99	88.67
26 55 13 00-0089	EA 30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,402.42	93.88
26 55 13 00-0090	EA 36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,412.85	99.09
26 55 13 00-0091	EA 42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,302.21	104.31
<b>26 55 13 00-0092</b>	<b>LED, Aluminum Architectural Bollards</b> <small>(26 55 13 00-0002)</small>		
<b>26 55 13 00-0093</b>	<b>Square, LED, Aluminum Architectural Bollards</b> <small>(26 55 13 00-0092)</small>		
26 55 13 00-0094	EA 24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard.....	1,738.11	88.67
26 55 13 00-0095	EA 30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard.....	1,748.54	93.88
26 55 13 00-0096	EA 36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard.....	1,758.97	99.09
26 55 13 00-0097	EA 42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard.....	1,648.81	104.31
26 55 13 00-0098	EA 24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard.....	2,127.23	88.67
26 55 13 00-0099	EA 30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard.....	2,137.66	93.88
26 55 13 00-0100	EA 36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard.....	2,148.09	99.09
26 55 13 00-0101	EA 42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard.....	2,035.99	104.31
<b>26 55 13 00-0102</b>	<b>Round, LED, Aluminum Architectural Bollards</b> <small>(26 55 13 00-0092)</small>		
26 55 13 00-0103	EA 24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,680.07	88.67
26 55 13 00-0104	EA 30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,690.50	93.88
26 55 13 00-0105	EA 36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,700.93	99.09
26 55 13 00-0106	EA 42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,588.83	104.31
26 55 13 00-0107	EA 24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	2,069.19	88.67
26 55 13 00-0108	EA 30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	2,079.62	93.88
26 55 13 00-0109	EA 36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	2,090.05	99.09
26 55 13 00-0110	EA 42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	1,978.64	104.31
<b>26 55 13 00-0111</b>	<b>Reinforced Concrete Bollards</b> <small>(26 55 13 00-0001)</small>		
26 55 13 00-0112	EA 48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard.....	1,397.66	260.78
26 55 13 00-0113	EA 58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard.....	2,482.79	347.67
<b>26 55 13 00-0114</b>	<b>Low Voltage</b> <small>(26 55 13)</small>		
26 55 13 00-0115	EA Low Voltage Recessed Uplight.....	646.80	189.85
26 55 13 00-0116	EA Low Voltage Walkway.....	449.46	104.31
26 55 13 00-0117	EA Low Voltage Malibu - 5 Light Set.....	453.67	139.26
26 55 13 00-0118	EA Low Voltage Mushroom 24" Pier.....	388.16	104.31
<b>26 55 13 00-0119</b>	<b>Recessed, Adjustable</b> <small>(26 55 13)</small>		
26 55 13 00-0120	EA 150 Watt Incandescent Recessed, Adjustable.....	741.00	166.90
26 55 13 00-0121	EA 300 Watt Incandescent Recessed, Adjustable.....	806.68	166.90
<b>26 55 13 00-0122</b>	<b>Recessed, Uplight</b> <small>(26 55 13)</small>		
26 55 13 00-0123	EA 50 Watt Incandescent Recessed Uplight.....	666.56	166.90
26 55 13 00-0124	EA 150 Watt Incandescent Recessed Uplight.....	679.70	166.90
26 55 13 00-0125	EA 300 Watt Incandescent Recessed Uplight.....	719.10	166.90
26 55 13 00-0126	EA 500 Watt Quartz Recessed Uplight.....	714.72	166.90
26 55 13 00-0127	EA 5 Watt, LED Recessed Uplight.....	1,044.11	166.90
26 55 13 00-0128	EA 15 Watt, LED Recessed Uplight.....	1,152.52	166.90
<b>26 55 13 00-0129</b>	<b>Recessed Wall Light</b> <small>(26 55 13)</small>		
26 55 13 00-0130	EA 100 Watt Incandescent Recessed Wall Light.....	348.75	104.31
26 55 13 00-0131	EA 100 Watt Fluorescent Recessed Wall Light.....	335.61	104.31
26 55 13 00-0132	EA 100 Watt High Intensity Discharge (HID) Recessed Wall Light.....	536.86	139.26
<b>26 55 13 00-0133</b>	<b>Step Lights</b> <small>(26 55 13)</small>		
26 55 13 00-0134	EA Incandescent Step Light.....	285.07	83.44
26 55 13 00-0135	EA Fluorescent Step Light.....	328.91	83.44
26 55 13 00-0136	EA 5 Watt, LED Step Light.....	575.24	83.44
26 55 13 00-0137	EA 15 Watt, LED Step Light.....	690.87	83.44
<b>26 55 13 00-0138</b>	<b>Tree Lights, Surface Adjustable</b> <small>(26 55 13)</small>		



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0139 EA 50 Watt Incandescent Tree Lights .....	593.78	139.26
26 55 13 00-0140 EA 100 Watt Incandescent Tree Lights .....	606.92	139.26
26 55 13 00-0141 EA 150 Watt Incandescent Tree Lights .....	767.53	208.63
<b>26 55 16 Walkway Lighting (26 55)</b>		
<b>26 55 16 00-0001 Incandescent Walkway (26 55 16)</b>		
26 55 16 00-0002 EA Post Top 300 Watt Incandescent Walkway Fixture.....	366.83	97.01
<b>26 55 16 00-0003 Metal Halide Walkway (26 55 16)</b>		
26 55 16 00-0004 EA Post Top 100 Watt Metal Halide Walkway Fixture .....	563.97	152.50
26 55 16 00-0005 EA Post Top 150-175 Watt Metal Halide Walkway Fixture.....	597.59	158.04
26 55 16 00-0006 EA Post Top 250 Watt Metal Halide Walkway Fixture .....	645.07	164.08
26 55 16 00-0007 EA Post Top 400 Watt Metal Halide Walkway Fixture .....	690.63	177.33
26 55 16 00-0008 EA Round Luminaries 100 Watt Metal Halide Walkway Fixture .....	614.88	164.08
26 55 16 00-0009 EA Round Luminaries 150-175 Watt Metal Halide Walkway Fixture .....	622.05	152.50
26 55 16 00-0010 EA Round Luminaries 250 Watt Metal Halide Walkway Fixture .....	633.84	158.04
26 55 16 00-0011 EA Spherical 100 Watt Metal Halide Walkway Fixture .....	504.18	108.69
26 55 16 00-0012 EA Spherical 150-175 Watt Metal Halide Walkway Fixture .....	534.38	108.69
26 55 16 00-0013 EA Spherical 250 Watt Metal Halide Walkway Fixture .....	564.58	108.69
26 55 16 00-0014 EA Spherical 400 Watt Metal Halide Walkway Fixture .....	637.41	122.35
26 55 16 00-0015 EA Low Walkway 100 Watt Metal Halide Walkway Fixture .....	482.20	97.63
<b>26 55 16 00-0016 High Pressure Sodium Walkway (26 55 16)</b>		
26 55 16 00-0017 EA Post Top 100 Watt High Pressure Sodium Walkway Fixture .....	507.32	152.50
26 55 16 00-0018 EA Post Top 150-175 Watt High Pressure Sodium Walkway Fixture .....	536.01	158.04
26 55 16 00-0019 EA Post Top 250 Watt High Pressure Sodium Walkway Fixture .....	575.72	164.08
26 55 16 00-0020 EA Post Top 400 Watt High Pressure Sodium Walkway Fixture .....	617.17	177.33
26 55 16 00-0021 EA Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture .....	552.13	164.08
26 55 16 00-0022 EA Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture .....	552.70	152.50
26 55 16 00-0023 EA Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture .....	564.33	158.04
26 55 16 00-0024 EA Spherical 100 Watt High Pressure Sodium Walkway Fixture .....	441.43	108.69
26 55 16 00-0025 EA Spherical 175 150-Watt High Pressure Sodium Walkway Fixture .....	465.02	108.69
26 55 16 00-0026 EA Spherical 250 Watt High Pressure Sodium Walkway Fixture .....	488.61	108.69
26 55 16 00-0027 EA Spherical 400 Watt High Pressure Sodium Walkway Fixture .....	551.54	122.35
26 55 16 00-0028 EA Low Walkway 100 Watt High Pressure Sodium Walkway Fixture.....	400.55	97.63
<b>26 55 16 00-0029 Walkway, Adjustable (26 55 16)</b>		
26 55 16 00-0030 EA 2' Fluorescent Adjustable Walkway Fixture .....	531.79	139.26
26 55 16 00-0031 EA 4' Fluorescent Adjustable Walkway Fixture .....	546.69	139.26
26 55 16 00-0032 EA 8' Fluorescent Adjustable Walkway Fixture .....	943.64	208.63
26 55 16 00-0033 EA 50 Watt Incandescent Adjustable Walkway Fixture .....	447.00	104.31
26 55 16 00-0034 EA 150 Watt Incandescent Adjustable Walkway Fixture .....	466.86	104.31
<b>26 55 16 00-0035 LED Walkway (26 55 16)</b>		
<b>26 55 16 00-0036 LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) (26 55 16 00-0035)</b>		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 16 00-0037 EA 13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) .....	762.63	80.05
For Multi-Level Drive Currents, Add	199.30	
26 55 16 00-0038 EA 18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) .....	786.83	80.05
For Multi-Level Drive Currents, Add	199.30	
26 55 16 00-0039 EA 36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) .....	829.54	80.05
For Multi-Level Drive Currents, Add	199.30	
26 55 16 00-0040 EA 42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) .....	862.28	80.05
For Multi-Level Drive Currents, Add	199.30	
26 55 16 00-0041 EA 96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) .....	992.94	102.91
For Multi-Level Drive Currents, Add	199.30	
<b>26 55 16 00-0042 Wall Mounted Walkway Lighting (26 55 16 00-0035)</b>		
26 55 16 00-0043 EA Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492).....	4,116.18	
Note: Type Fixture 17 as Post		
<b>26 55 16 00-0044 Pole Mounted Walkway Lighting (26 55 16 00-0035)</b>		
26 55 16 00-0045 EA 43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27).....	3,809.47	
26 55 16 00-0046 EA 12' Tapered and Fluted Post (Herwig BRA Series, BRAJ-12) .....	3,739.85	
Note: Washers and nuts included		
<b>26 55 29 Underwater Lighting (26 55)</b>		
<b>26 55 29 00-0001 Underwater Lights (26 55 29)</b>		
26 55 29 00-0002 EA 150 Watt, 120 Volt Underwater Lights .....	475.90	69.37

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 29 00-0003 EA 300 Watt, 120 Volt Underwater Lights .....	528.44	69.37
26 55 29 00-0004 EA 1,000 Watt, 120 Volt Underwater Lights .....	1,281.41	104.31
26 55 29 00-0005 EA 50 Watt, 12 Volt Underwater Lights .....	497.79	69.37
26 55 29 00-0006 EA 300 Watt, 12 Volt Underwater Lights .....	559.09	69.37
26 55 29 00-0007 SET Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent .....	1,429.21	156.46
<b>26 55 53 Security Lighting (26 55)</b>		
<b>26 55 53 11 Security Flood Lighting (26 55 53)</b>		
26 55 53 11-0001 General Electric Powerflood® Flood Lights (26 55 53 11)		
26 55 53 11-0002 MPF (Small Size) Series GE Flood Lights (26 55 53 11-0001) Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003 High Pressure Sodium MPF Series GE Flood Lights (26 55 53 11-0002)		
26 55 53 11-0004 EA 70 Watt High Pressure Sodium MPF Series GE Flood Light .....	345.03	92.29
26 55 53 11-0005 EA 100 Watt High Pressure Sodium MPF Series GE Flood Light .....	348.23	92.29
26 55 53 11-0006 EA 150 Watt High Pressure Sodium MPF Series GE Flood Light .....	353.58	92.29
26 55 53 11-0007 Metal Halide MPF Series GE Flood Lights (26 55 53 11-0002)		
26 55 53 11-0008 EA 70 Watt Metal Halide MPF Series GE Flood Light .....	472.32	92.29
26 55 53 11-0009 P-154 (Small Size) Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0010 High Pressure Sodium P-154 Series GE Flood Lights (26 55 53 11-0009)		
26 55 53 11-0011 EA 70 Watt High Pressure Sodium P-154 Series GE Flood Light .....	707.14	123.05
26 55 53 11-0012 EA 100 Watt High Pressure Sodium P-154 Series GE Flood Light .....	711.42	123.05
26 55 53 11-0013 EA 150 Watt High Pressure Sodium P-154 Series GE Flood Light .....	718.91	123.05
26 55 53 11-0014 EA 250 Watt High Pressure Sodium P-154 Series GE Flood Light .....	803.41	123.05
26 55 53 11-0015 EA 400 Watt High Pressure Sodium P-154 Series GE Flood Light .....	828.02	123.05
26 55 53 11-0016 Metal Halide P-154 Series GE Flood Lights (26 55 53 11-0009)		
26 55 53 11-0017 EA 175 Watt Metal Halide P-154 Series GE Flood Light .....	699.65	123.05
26 55 53 11-0018 EA 250 Watt Metal Halide P-154 Series GE Flood Light .....	737.09	123.05
26 55 53 11-0019 EA 400 Watt Metal Halide P-154 Series GE Flood Light .....	756.35	123.05
26 55 53 11-0020 PF-154 (Medium Size) Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021 High Pressure Sodium PF-154 Series GE Flood Lights (26 55 53 11-0020)		
26 55 53 11-0022 EA 70 Watt High Pressure Sodium PF-154 Series GE Flood Light .....	719.72	138.43
26 55 53 11-0023 EA 100 Watt High Pressure Sodium PF-154 Series GE Flood Light .....	725.06	138.43
26 55 53 11-0024 EA 150 Watt High Pressure Sodium PF-154 Series GE Flood Light .....	733.62	138.43
26 55 53 11-0025 EA 250 Watt High Pressure Sodium PF-154 Series GE Flood Light .....	817.06	138.43
26 55 53 11-0026 EA 400 Watt High Pressure Sodium PF-154 Series GE Flood Light .....	840.59	138.43
26 55 53 11-0027 Metal Halide PF-154 GE Flood Lights (26 55 53 11-0020)		
26 55 53 11-0028 EA 175 Watt Metal Halide PF-154 Series GE Flood Light .....	713.30	138.43
26 55 53 11-0029 EA 250 Watt Metal Halide PF-154 Series GE Flood Light .....	749.67	138.43
26 55 53 11-0030 EA 400 Watt Metal Halide PF-154 Series GE Flood Light .....	768.92	138.43
26 55 53 11-0031 PF-400 (Medium Size) Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0032 High Pressure Sodium PF-400 Series GE Flood Lights (26 55 53 11-0031)		
26 55 53 11-0033 EA 150 Watt High Pressure Sodium PF-400 Series GE Flood Light .....	972.16	138.43
26 55 53 11-0034 EA 200 Watt High Pressure Sodium PF-400 Series GE Flood Light .....	1,047.04	138.43
26 55 53 11-0035 EA 250 Watt High Pressure Sodium PF-400 Series GE Flood Light .....	1,041.70	138.43
26 55 53 11-0036 EA 400 Watt High Pressure Sodium PF-400 Series GE Flood Light .....	1,068.44	138.43
26 55 53 11-0037 Metal Halide PF-400 GE Flood Lights (26 55 53 11-0031)		
26 55 53 11-0038 EA 175 Watt Metal Halide PF-400 Series GE Flood Light .....	999.98	138.43
26 55 53 11-0039 EA 250 Watt Metal Halide PF-400 Series GE Flood Light .....	1,022.44	138.43
26 55 53 11-0040 EA 400 Watt Metal Halide PF-400 Series GE Flood Light .....	1,045.97	138.43



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Special Purpose Lighting</b>	<b>26 55</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0041 PF-1000 (Large Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small> Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0042 High Pressure Sodium PF-154 Series GE Flood Lights <small>(26 55 53 11-0041)</small>		
26 55 53 11-0043 EA 750 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	1,322.77	153.81
26 55 53 11-0044 EA 1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	1,322.77	153.81
26 55 53 11-0045 Metal Halide PF-1000 Series GE Flood Lights <small>(26 55 53 11-0041)</small>		
26 55 53 11-0046 EA 1,000 Watt Metal Halide PF-1000 Series GE Flood Light.....	1,260.72	153.81
26 55 53 11-0047 HLU/VLU (Medium Size) FRP Series GE Flood Lights <small>(26 55 53 11-0001)</small> Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0048 High Pressure Sodium HLU/VLU FRP Series GE Flood Lights <small>(26 55 53 11-0047)</small>		
26 55 53 11-0049 EA 250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light .....	1,074.86	138.43
26 55 53 11-0050 EA 400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light .....	1,095.18	138.43
26 55 53 11-0051 Metal Halide HLU/VLU Series GE Flood Lights <small>(26 55 53 11-0047)</small>		
26 55 53 11-0052 EA 400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light .....	1,086.62	138.43
26 55 53 11-0053 Accessories For Powerflood GE Flood Lights <small>(26 55 53 11-0001)</small>		
26 55 53 11-0054 EA Wireguard For Powerflood GE Flood Light .....	184.54	30.76
26 55 53 11-0055 EA Polycarbonate Vandal Shield For Powerflood GE Flood Light.....	105.38	30.76
26 55 53 11-0056 EA Top Visor For Powerflood Flood Light .....	154.58	30.76
26 55 53 11-0057 EA Top And Two Side Visors For Powerflood GE Flood Light .....	117.14	30.76
26 55 53 11-0058 EA Pipe Wall Mounting Bracket For Powerflood GE Flood Light.....	293.68	92.29
26 55 53 11-0059 EA Multiple Mounting Channel For Powerflood GE Flood Light .....	128.91	30.76
26 55 53 11-0060 EA Wall Or Flat Surface Bracket For Powerflood GE Flood Light .....	213.45	92.29
26 55 53 11-0061 EA Steel Angle Bracket For Powerflood GE Flood Light .....	223.08	92.29
26 55 53 11-0062 EA Cross Arm Adaptor For Powerflood GE Flood Light .....	95.75	30.76
26 55 53 11-0063 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light .....	92.54	30.76
26 55 53 11-0064 Lithonia Contour Series Flood Lights <small>(26 55 53 11)</small>		
26 55 53 11-0065 TFM (Small Size) Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 55 53 11-0066 High Pressure Sodium TFM Series Lithonia Flood Lights <small>(26 55 53 11-0065)</small>		
26 55 53 11-0067 EA 70 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	650.19	123.05
26 55 53 11-0068 EA 100 Watt High Pressure Sodium TFM Series Lithonia Flood Light .....	711.95	123.05
26 55 53 11-0069 EA 150 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	772.44	123.05
26 55 53 11-0070 Metal Halide TFM Series Lithonia Flood Lights <small>(26 55 53 11-0065)</small>		
26 55 53 11-0071 EA 50 Watt Metal Halide TFM Series Lithonia Flood Light.....	847.91	123.05
26 55 53 11-0072 EA 70 Watt Metal Halide TFM Series Lithonia Flood Light.....	833.04	123.05
26 55 53 11-0073 EA 100 Watt Metal Halide TFM Series Lithonia Flood Light.....	809.08	123.05
26 55 53 11-0074 EA 175 Watt Metal Halide TFM Series Lithonia Flood Light.....	807.31	123.05
26 55 53 11-0075 Compact Fluorescent TFM Series Lithonia Flood Lights <small>(26 55 53 11-0065)</small>		
26 55 53 11-0076 EA 42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	841.75	123.05
26 55 53 11-0077 TFL (Medium Size) Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small> Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0078 High Pressure Sodium TFL Series Lithonia Flood Lights <small>(26 55 53 11-0077)</small>		
26 55 53 11-0079 EA 250 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	1,002.80	138.43
26 55 53 11-0080 EA 400 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	1,023.40	138.43
26 55 53 11-0081 Metal Halide TFL Series Lithonia Flood Lights <small>(26 55 53 11-0077)</small>		
26 55 53 11-0082 EA 175 Watt Metal Halide TFL Series Lithonia Flood Light.....	956.50	138.43
26 55 53 11-0083 EA 250 Watt Metal Halide TFL Series Lithonia Flood Light.....	956.50	138.43
26 55 53 11-0084 EA 400 Watt Metal Halide TFL Series Lithonia Flood Light.....	988.81	138.43

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 55 53 11-0085</b>	<b>TFR (Low Profile) Series Lithonia Flood Lights</b> (26 55 53 11-0064)	
Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
<b>26 55 53 11-0086</b>	<b>High Pressure Sodium TFR Lithonia Flood Lights</b> (26 55 53 11-0085)	
26 55 53 11-0087 EA	150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light .....	961.77 123.05
26 55 53 11-0088 EA	250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light .....	992.60 123.05
26 55 53 11-0089 EA	400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light .....	1,018.36 123.05
<b>26 55 53 11-0090</b>	<b>Metal Halide TFR Lithonia Flood Lights</b> (26 55 53 11-0085)	
26 55 53 11-0091 EA	250 Watt Metal Halide TFR Series Lithonia Flood Light .....	951.46 123.05
26 55 53 11-0092 EA	400 Watt Metal Halide TFR Series Lithonia Flood Light .....	982.33 123.05
<b>26 55 53 11-0093</b>	<b>TFA (Large Size) Series Lithonia Flood Lights</b> (26 55 53 11-0064)	
Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
<b>26 55 53 11-0094</b>	<b>High Pressure Sodium TFA Series Lithonia Flood Lights</b> (26 55 53 11-0093)	
26 55 53 11-0095 EA	1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	1,877.68 153.81
<b>26 55 53 11-0096</b>	<b>Metal Halide TFA Series Lithonia Flood Lights</b> (26 55 53 11-0093)	
26 55 53 11-0097 EA	400 Watt Metal Halide TFA Series Lithonia Flood Light.....	1,440.11 153.81
26 55 53 11-0098 EA	1,000 Watt Metal Halide TFA Series Lithonia Flood Light.....	1,594.53 153.81
<b>26 55 53 11-0099</b>	<b>Accessories For Contour Series Lithonia Flood Lights</b> (26 55 53 11-0064)	
26 55 53 11-0100 EA	Wireguard For Contour Series Lithonia Flood Light .....	158.58 30.76
26 55 53 11-0101 EA	Vandal Guard For Contour Series Lithonia Flood Light .....	310.16 30.76
26 55 53 11-0102 EA	Upper Visor For Contour Series Lithonia Flood Light.....	129.98 30.76
26 55 53 11-0103 EA	Full Visor For Contour Series Lithonia Flood Light.....	176.30 30.76
26 55 53 11-0104 EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light.....	390.44 92.29
26 55 53 11-0105 EA	Radius Wall Bracket For Contour Series Lithonia Flood Light .....	308.48 92.29
26 55 53 11-0106 EA	Steel Angle Bracket For Contour Series Lithonia Flood Light .....	308.48 92.29
26 55 53 11-0107 EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe .....	341.17 92.29
26 55 53 11-0108 EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light .....	151.55 30.76
26 55 53 11-0109 EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light .....	120.14 30.76
<b>26 55 53 11-0110</b>	<b>Eaton Flood Lights</b> (26 55 53 11)	
26 55 53 11-0111 EA	6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB) .....	1,031.64 123.05
For NEMA Photocontrol Option (Eaton OA/RA1016), Add		55.43
For >50 To 100, Deduct		-31.94
For >100 To 250, Deduct		-57.73
For >250 To 500, Deduct		-103.16
For >500, Deduct		-148.59
26 55 53 11-0112 EA	16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016) .....	1,280.88 133.56
For >50 To 100, Deduct		-38.70
For >100 To 250, Deduct		-70.72
For >250 To 500, Deduct		-128.09
For >500, Deduct		-185.45
<b>26 55 53 11-0113</b>	<b>Ruud Flood Lights</b> (26 55 53 11)	
<b>26 55 53 11-0114</b>	<b>NS (Micro) Series Ruud Flood Lights</b> (26 55 53 11-0113)	
Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
<b>26 55 53 11-0115</b>	<b>High Pressure Sodium NS Series Ruud Flood Lights</b> (26 55 53 11-0114)	
26 55 53 11-0116 EA	35 Watt High Pressure Sodium NS Series Ruud Flood Light .....	426.32 92.29
26 55 53 11-0117 EA	50 Watt High Pressure Sodium NS Series Ruud Flood Light .....	426.32 92.29
26 55 53 11-0118 EA	70 Watt High Pressure Sodium NS Series Ruud Flood Light .....	426.32 92.29
26 55 53 11-0119 EA	100 Watt High Pressure Sodium NS Series Ruud Flood Light .....	426.32 92.29
26 55 53 11-0120 EA	150 Watt High Pressure Sodium NS Series Ruud Flood Light .....	426.32 92.29
<b>26 55 53 11-0121</b>	<b>Metal Halide NS Series Ruud Flood Lights</b> (26 55 53 11-0114)	
26 55 53 11-0122 EA	50 Watt Metal Halide NS Series Ruud Flood Light .....	486.23 92.29
26 55 53 11-0123 EA	70 Watt Metal Halide NS Series Ruud Flood Light .....	486.23 92.29
26 55 53 11-0124 EA	100 Watt Metal Halide NS Series Ruud Flood Light .....	486.23 92.29
<b>26 55 53 11-0125</b>	<b>Compact Fluorescent NS Series Ruud Flood Lights</b> (26 55 53 11-0114)	
26 55 53 11-0126 EA	13 Watt Compact Fluorescent NS Series Ruud Flood Light .....	364.28 92.29
26 55 53 11-0127 EA	26 Watt Compact Fluorescent NS Series Ruud Flood Light .....	379.26 92.29
26 55 53 11-0128 EA	32 Watt Compact Fluorescent NS Series Ruud Flood Light .....	383.53 92.29
26 55 53 11-0129 EA	42 Watt Compact Fluorescent NS Series Ruud Flood Light .....	387.81 92.29





<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0130 NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small> Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 55 53 11-0131 High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights <small>(26 55 53 11-0130)</small>		
26 55 53 11-0132 EA 150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light .....	657.67	138.43
26 55 53 11-0137 EA 250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light .....	696.18	138.43
26 55 53 11-0134 EA 400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light .....	717.58	138.43
26 55 53 11-0135 Metal Halide NSF/NSW/NSC Series Ruud Flood Lights <small>(26 55 53 11-0130)</small>		
26 55 53 11-0136 EA 175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light .....	649.12	138.43
26 55 53 11-0137 EA 250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light .....	653.39	138.43
26 55 53 11-0138 EA 400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light .....	666.23	138.43
26 55 53 11-0139 Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights <small>(26 55 53 11-0130)</small>		
26 55 53 11-0140 EA 70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light .....	634.14	138.43
26 55 53 11-0141 FS (Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small> Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0142 High Pressure Sodium FS Series Ruud Flood Lights <small>(26 55 53 11-0141)</small>		
26 55 53 11-0143 EA 250 Watt High Pressure Sodium FS Series Ruud Flood Light.....	771.06	138.43
26 55 53 11-0144 EA 400 Watt High Pressure Sodium FS Series Ruud Flood Light.....	775.34	138.43
26 55 53 11-0145 EA 1,000 Watt High Pressure Sodium FS Series Ruud Flood Light.....	1,323.84	153.81
26 55 53 11-0146 Metal Halide FS Series Ruud Flood Lights <small>(26 55 53 11-0141)</small>		
26 55 53 11-0147 EA 175 Watt Metal Halide FS Series Ruud Flood Light.....	771.06	138.43
26 55 53 11-0148 EA 250 Watt Metal Halide FS Series Ruud Flood Light.....	775.34	138.43
26 55 53 11-0149 EA 400 Watt Metal Halide FS Series Ruud Flood Light.....	788.18	138.43
26 55 53 11-0150 EA 1,000 Watt Metal Halide FS Series Ruud Flood Light.....	1,182.63	153.81
26 55 53 11-0151 MFS (Mini Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small> Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0152 High Pressure Sodium MFS Series Ruud Flood Lights <small>(26 55 53 11-0151)</small>		
26 55 53 11-0153 EA 35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	603.38	123.05
26 55 53 11-0154 EA 50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	648.31	123.05
26 55 53 11-0155 EA 70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	648.31	123.05
26 55 53 11-0156 EA 100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	648.31	123.05
26 55 53 11-0157 EA 150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	648.31	123.05
26 55 53 11-0158 Metal Halide MFS Series Ruud Flood Lights <small>(26 55 53 11-0151)</small>		
26 55 53 11-0159 EA 50 Watt Metal Halide MFS Series Ruud Flood Light.....	663.28	123.05
26 55 53 11-0160 EA 70 Watt Metal Halide MFS Series Ruud Flood Light.....	663.28	123.05
26 55 53 11-0161 EA 100 Watt Metal Halide MFS Series Ruud Flood Light.....	663.28	123.05
26 55 53 11-0162 EA 175 Watt Metal Halide MFS Series Ruud Flood Light.....	639.75	123.05
26 55 53 11-0163 MCF/MPM/MPN (Mini Cutoff, Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small> Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0164 High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights <small>(26 55 53 11-0163)</small>		
26 55 53 11-0165 EA 35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	656.86	123.05
26 55 53 11-0166 EA 50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	701.79	123.05
26 55 53 11-0167 EA 70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	701.79	123.05
26 55 53 11-0168 EA 100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	701.79	123.05
26 55 53 11-0169 EA 150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	701.79	123.05
26 55 53 11-0170 Metal Halide MCF/MPM/MPN Series Ruud Flood Lights <small>(26 55 53 11-0163)</small>		
26 55 53 11-0171 EA 50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	716.77	123.05
26 55 53 11-0172 EA 70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	716.77	123.05
26 55 53 11-0173 EA 100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	716.77	123.05
26 55 53 11-0174 EA 175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	693.23	123.05
26 55 53 11-0175 CF (Cutoff Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small> Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 55 53 11-0176 High Pressure Sodium CF Series Ruud Flood Lights</b> <small>(26 55 53 11-0175)</small>		
26 55 53 11-0177 EA 250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	871.61	138.43
26 55 53 11-0178 EA 400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	893.01	138.43
26 55 53 11-0179 EA 1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	1,377.32	153.81
<b>26 55 53 11-0180 Metal Halide CF Series Ruud Flood Lights</b> <small>(26 55 53 11-0175)</small>		
26 55 53 11-0181 EA 175 Watt Metal Halide CF Series Ruud Flood Light.....	824.55	138.43
26 55 53 11-0182 EA 250 Watt Metal Halide CF Series Ruud Flood Light.....	828.83	138.43
26 55 53 11-0183 EA 400 Watt Metal Halide CF Series Ruud Flood Light.....	841.66	138.43
26 55 53 11-0184 EA 1,000 Watt Metal Halide CF Series Ruud Flood Light.....	1,236.12	153.81
<b>26 55 53 11-0185 CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small>		
Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
<b>26 55 53 11-0186 High Pressure Sodium CN Series Ruud Flood Lights</b> <small>(26 55 53 11-0185)</small>		
26 55 53 11-0187 EA 400 High Pressure Sodium CN Series Ruud Flood Light.....	1,129.15	153.81
26 55 53 11-0188 EA 1,000 High Pressure Sodium CN Series Ruud Flood Light.....	1,351.65	153.81
<b>26 55 53 11-0189 Metal Halide CN Series Ruud Flood Lights</b> <small>(26 55 53 11-0185)</small>		
26 55 53 11-0190 EA 400 Watt Metal Halide CN Series Ruud Flood Light.....	1,077.80	153.81
26 55 53 11-0191 EA 1,000 Watt Metal Halide CN Series Ruud Flood Light.....	1,210.45	153.81
<b>26 55 53 11-0192 PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights</b>		
<small>(26 55 53 11-0113)</small>		
Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
<b>26 55 53 11-0193 High Pressure Sodium PM/PN Series Ruud Flood Lights</b> <small>(26 55 53 11-0192)</small>		
26 55 53 11-0194 EA 250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	901.56	138.43
26 55 53 11-0195 EA 400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	922.96	138.43
<b>26 55 53 11-0196 Metal Halide PM/PN Series Ruud Flood Lights</b> <small>(26 55 53 11-0192)</small>		
26 55 53 11-0197 EA 175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	854.50	138.43
26 55 53 11-0198 EA 250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	858.78	138.43
26 55 53 11-0199 EA 400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	871.61	138.43
26 55 53 11-0200 EA 1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	1,266.07	153.81
<b>26 55 53 11-0201 Accessories For Ruud Flood Lighting</b> <small>(26 55 53 11-0113)</small>		
26 55 53 11-0202 EA Wireguard For Ruud Flood Light.....	93.61	30.76
26 55 53 11-0203 EA Deep Baffle (Full Visor) For Ruud Flood Light.....	151.37	30.76
26 55 53 11-0204 EA Glare Guard (Upper Visor) For Ruud Flood Light.....	108.59	30.76
26 55 53 11-0205 EA Vandal Shield For Ruud Flood Light.....	129.98	30.76
26 55 53 11-0206 EA Pipe Mounting Bracket For Ruud Flood Light.....	257.31	92.29
26 55 53 11-0207 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	80.77	30.76
<b>26 55 53 11-0208 Lumark Flood Lights</b> <small>(26 55 53 11)</small>		
<b>26 55 53 11-0209 QZ Wedge Series Quartz Lumark Flood Lights</b> <small>(26 55 53 11-0208)</small>		
Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210 EA 500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	228.32	92.29
<b>26 55 53 11-0211 LQL Series Quartz Lumark Flood Lights</b> <small>(26 55 53 11-0208)</small>		
Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212 EA 1,500 Watt LQL Series Quartz Lumark Flood Light.....	291.43	92.29
<b>26 55 53 11-0213 Kim Lighting</b> <small>(26 55 53 11)</small>		
<b>26 55 53 11-0214 MicroFlood® Series Kim Lighting Flood Lights</b> <small>(26 55 53 11-0213)</small>		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
<b>26 55 53 11-0215 LED MicroFlood® Series Kim Lighting Flood Lights</b> <small>(26 55 53 11-0214)</small>		
26 55 53 11-0216 EA 5 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	494.40	36.58
For >50 To 100, Deduct	-14.19	
For >100 To 250, Deduct	-26.55	
For >250 To 500, Deduct	-49.44	
For >500, Deduct	-72.33	
26 55 53 11-0217 EA 15 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	613.14	36.58
For >50 To 100, Deduct	-17.16	
For >100 To 250, Deduct	-32.49	
For >250 To 500, Deduct	-61.31	
For >500, Deduct	-90.14	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Special Purpose Lighting</b>	<b>26 55</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0218 <b>Scarab® Series Kim Lighting Flood Lights</b> <small>(26 55 53 11-0213)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0219 <b>LED Scarab® Series Kim Lighting Accent Flood Lights</b> <small>(26 55 53 11-0218)</small> Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220 EA 6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light.....	758.99	36.58
For >50 To 100, Deduct	-20.80	
For >100 To 250, Deduct	-39.78	
For >250 To 500, Deduct	-75.90	
For >500, Deduct	-112.02	
26 55 53 11-0221 <b>CREE® BetaLED® Flood Lights</b> <small>(26 55 53 11)</small>		
26 55 53 11-0222 <b>Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304)</b> <small>(26 55 53 11-0221)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223 EA 40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	998.69	109.28
For >50 To 100, Deduct	-30.43	
For >100 To 250, Deduct	-55.40	
For >250 To 500, Deduct	-99.87	
For >500, Deduct	-144.34	
26 55 53 11-0224 EA 60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,093.40	115.34
For >50 To 100, Deduct	-33.10	
For >100 To 250, Deduct	-60.44	
For >250 To 500, Deduct	-109.34	
For >500, Deduct	-158.24	
26 55 53 11-0225 <b>Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG)</b> <small>(26 55 53 11-0221)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226 EA 20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	868.38	103.20
For 480 Volt, Add	99.79	
For >50 To 100, Deduct	-26.87	
For >100 To 250, Deduct	-48.58	
For >250 To 500, Deduct	-86.84	
For >500, Deduct	-125.10	
26 55 53 11-0227 EA 40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,089.80	109.28
For 480 Volt, Add	99.79	
For >50 To 100, Deduct	-32.71	
For >100 To 250, Deduct	-59.95	
For >250 To 500, Deduct	-108.98	
For >500, Deduct	-158.01	
26 55 53 11-0228 EA 60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,311.20	115.34
For 480 Volt, Add	99.79	
For >50 To 100, Deduct	-38.55	
For >100 To 250, Deduct	-71.33	
For >250 To 500, Deduct	-131.12	
For >500, Deduct	-190.91	
26 55 53 11-0229 EA 80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,616.60	121.42
For 480 Volt, Add	99.79	
For >50 To 100, Deduct	-46.49	
For >100 To 250, Deduct	-86.90	
For >250 To 500, Deduct	-161.66	
For >500, Deduct	-236.42	
26 55 53 11-0230 EA 100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,838.01	127.49
For 480 Volt, Add	99.79	
For >50 To 100, Deduct	-52.32	
For >100 To 250, Deduct	-98.28	
For >250 To 500, Deduct	-183.80	
For >500, Deduct	-269.33	
26 55 53 11-0231 EA 120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,059.42	133.56
For 480 Volt, Add	99.79	
For >50 To 100, Deduct	-58.16	
For >100 To 250, Deduct	-109.65	
For >250 To 500, Deduct	-205.94	
For >500, Deduct	-302.24	
26 55 53 11-0232 EA 140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,347.75	139.63
For 480 Volt, Add	99.79	
For >50 To 100, Deduct	-65.68	
For >100 To 250, Deduct	-124.37	
For >250 To 500, Deduct	-234.78	
For >500, Deduct	-345.18	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0233	EA		160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,569.15	145.70
			<i>For 480 Volt, Add</i>	99.79	
			<i>For &gt;50 To 100, Deduct</i>	-71.51	
			<i>For &gt;100 To 250, Deduct</i>	-135.74	
			<i>For &gt;250 To 500, Deduct</i>	-256.92	
			<i>For &gt;500, Deduct</i>	-378.09	
26 55 53 11-0234			<b>Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO)</b> <small>(26 55 53 11-0221)</small>		
			Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0235	EA		120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	1,975.43	133.56
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Bird Spikes, Add</i>	39.81	
			<i>For 5,000K Color Temperature, Add</i>	41.98	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For 1,000mA Driver, Add</i>	141.04	
			<i>For &gt;50 To 100, Deduct</i>	-56.06	
			<i>For &gt;100 To 250, Deduct</i>	-105.45	
			<i>For &gt;250 To 500, Deduct</i>	-197.54	
			<i>For &gt;500, Deduct</i>	-289.64	
26 55 53 11-0236	EA		240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	3,340.73	163.91
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For 5,000K Color Temperature, Add</i>	41.98	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For Bird Spikes, Add</i>	58.71	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For 1,000mA Driver, Add</i>	141.04	
			<i>For 480 Volt, Add</i>	151.10	
			<i>For &gt;50 To 100, Deduct</i>	-91.71	
			<i>For &gt;100 To 250, Deduct</i>	-175.23	
			<i>For &gt;250 To 500, Deduct</i>	-334.07	
			<i>For &gt;500, Deduct</i>	-492.91	
26 55 53 11-0237			<b>Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™)</b> <small>(26 55 53 11-0221)</small>		
			Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0238	EA		112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL).....	1,166.23	133.56
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	30.98	
			<i>For Rotated Optics, Back Light Shield, Add</i>	30.98	
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For &gt;50 To 100, Deduct</i>	-35.83	
			<i>For &gt;100 To 250, Deduct</i>	-64.99	
			<i>For &gt;250 To 500, Deduct</i>	-116.62	
			<i>For &gt;500, Deduct</i>	-168.26	
26 55 53 11-0239	EA		168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL).....	1,245.57	133.56
			Note: Type III, IV or V medium optics only.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	30.98	
			<i>For Rotated Optics, Back Light Shield, Add</i>	30.98	
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For Type II Medium Or Type V Short Optics, Add</i>	495.54	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For &gt;50 To 100, Deduct</i>	-37.82	
			<i>For &gt;100 To 250, Deduct</i>	-68.96	
			<i>For &gt;250 To 500, Deduct</i>	-124.56	
			<i>For &gt;500, Deduct</i>	-180.16	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Special Purpose Lighting</b>	<b>26 55</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0240 EA 223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL) .....	1,597.16	163.91
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Field Adjustable Output, Add	25.19	
For Front Facing Optics, Back Light Shield, Add	37.54	
For Rotated Optics, Back Light Shield, Add	37.54	
For Fuse, Add	50.37	
For 0 To 10 Volt Dimming, Add	50.37	
For Multi-Level, Add	109.13	
For >50 To 100, Deduct	-48.12	
For >100 To 250, Deduct	-88.05	
For >250 To 500, Deduct	-159.72	
For >500, Deduct	-231.38	
<b>26 55 53 11-0241 PlanLED Flood Lights (26 55 53 11)</b>		
<b>26 55 53 11-0242 Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) (26 55 53 11-0241)</b>		
26 55 53 11-0243 EA 6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050) .....	601.87	109.28
For >50 To 100, Deduct	-20.51	
For >100 To 250, Deduct	-35.56	
For >250 To 500, Deduct	-60.19	
For >500, Deduct	-84.82	
26 55 53 11-0244 EA 9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075) .....	722.13	115.34
For >50 To 100, Deduct	-23.82	
For >100 To 250, Deduct	-41.87	
For >250 To 500, Deduct	-72.21	
For >500, Deduct	-102.55	
26 55 53 11-0245 EA 12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100) .....	834.69	124.45
For >50 To 100, Deduct	-27.09	
For >100 To 250, Deduct	-47.96	
For >250 To 500, Deduct	-83.47	
For >500, Deduct	-118.98	
<b>26 55 53 11-0246 Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) (26 55 53 11-0241)</b>		
26 55 53 11-0247 EA 21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200) .....	1,694.59	242.84
For 0 To 10 Volt Dimming, Add	84.95	
For >50 To 100, Deduct	-54.51	
For >100 To 250, Deduct	-96.87	
For >250 To 500, Deduct	-169.46	
For >500, Deduct	-242.05	
26 55 53 11-0248 EA 42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400) .....	2,647.96	242.84
For 0 To 10 Volt Dimming, Add	84.95	
For >50 To 100, Deduct	-78.34	
For >100 To 250, Deduct	-144.54	
For >250 To 500, Deduct	-264.80	
For >500, Deduct	-385.05	
26 55 53 11-0249 EA 84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800) .....	4,700.15	242.84
For 0 To 10 Volt Dimming, Add	84.95	
For >50 To 100, Deduct	-129.65	
For >100 To 250, Deduct	-247.15	
For >250 To 500, Deduct	-470.02	
For >500, Deduct	-692.88	
<b>26 55 53 11-0250 Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) (26 55 53 11-0241)</b>		
26 55 53 11-0251 EA 26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200) .....	1,508.87	157.85
For 0 To 10 Volt Dimming, Add	84.95	
For 480 Volt, Add	127.77	
For >50 To 100, Deduct	-45.61	
For >100 To 250, Deduct	-83.34	
For >250 To 500, Deduct	-150.89	
For >500, Deduct	-218.44	
26 55 53 11-0252 EA 39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300) .....	1,937.74	163.91
For 0 To 10 Volt Dimming, Add	84.95	
For 480 Volt, Add	103.25	
For >50 To 100, Deduct	-56.64	
For >100 To 250, Deduct	-105.08	
For >250 To 500, Deduct	-193.77	
For >500, Deduct	-282.47	
26 55 53 11-0253 EA 52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400) .....	2,478.67	169.99
For 0 To 10 Volt Dimming, Add	84.95	
For 480 Volt, Add	83.75	
For >50 To 100, Deduct	-70.47	
For >100 To 250, Deduct	-132.43	
For >250 To 500, Deduct	-247.87	
For >500, Deduct	-363.30	

**26 55 53 12 Security Hazardous Location Flood Lights (26 55 53)**

Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.

<b>26</b>	<b>26 Electrical</b>
	<b>26 50 Lighting</b>
	<b>26 55 Special Purpose Lighting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 12-0001 Lithonia Hazardous Location Flood Lights <small>(26 55 53 12)</small>		
26 55 53 12-0002 HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0003 High Pressure Sodium HFR Series Hazardous Location Flood Lights <small>(26 55 53 12-0002)</small>		
26 55 53 12-0004 EA 150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	952.77	123.05
26 55 53 12-0005 EA 250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	1,019.09	123.05
26 55 53 12-0006 EA 400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	954.90	123.05
26 55 53 12-0007 Metal Halide HFR Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0002)</small>		
26 55 53 12-0008 EA 250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	1,012.01	123.05
26 55 53 12-0009 EA 400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	980.58	123.05
26 55 53 12-0010 HFM (Medium Base) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0011 High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0010)</small>		
26 55 53 12-0012 EA 100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	907.17	123.05
26 55 53 12-0013 EA 150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	946.75	123.05
26 55 53 12-0014 Metal Halide HFM Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0010)</small>		
26 55 53 12-0015 EA 175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	800.20	123.05
26 55 53 12-0016 HFA (Large) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0017 High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0016)</small>		
26 55 53 12-0018 EA 250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	1,285.33	153.81
26 55 53 12-0019 EA 400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	1,304.58	153.81
26 55 53 12-0020 Metal Halide HFA Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0016)</small>		
26 55 53 12-0021 EA 250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	1,278.91	153.81
26 55 53 12-0022 EA 400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	1,304.58	153.81
26 55 53 12-0023 HFL (Medium) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0024 High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0023)</small>		
26 55 53 12-0025 EA 400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	950.77	138.43
26 55 53 12-0026 Metal Halide HFL Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0023)</small>		
26 55 53 12-0027 EA 400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	1,025.65	138.43
26 55 53 12-0028 Accessories For Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small> See CSI section 26 55 53 11-0099 for accessories.		
<b>26 55 53 13 Security High Performance Flood Lights <small>(26 55 53)</small></b> Note: For airport aprons and parking areas.		
26 55 53 13-0001 Lithonia High Performance Flood Lights <small>(26 55 53 13)</small>		
26 55 53 13-0002 170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0001)</small> Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 55 53 13-0003 High Pressure Sodium 170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small>		
26 55 53 13-0004 EA 250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light .....	2,228.28	184.57
26 55 53 13-0005 EA 400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light .....	2,403.71	184.57
26 55 53 13-0006 EA 750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light .....	2,412.27	184.57
26 55 53 13-0007 EA 1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light .....	2,679.69	184.57



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 55 53 13-0008</b> Metal Halide 170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small>		
26 55 53 13-0009 EA 320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light.....	2,568.44	184.57
26 55 53 13-0010 EA 350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light.....	2,449.81	184.57
26 55 53 13-0011 EA 400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light.....	2,337.39	184.57
26 55 53 13-0012 EA 1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light.....	2,448.64	184.57
<b>26 55 53 13-0013</b> Accessories For Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small> See CSI section 26 55 53 11-0099 for accessories.		
<b>26 55 61</b> Theatrical Lighting <small>(26 55)</small>		
<b>26 55 61 00-0001</b> Stage Lighting <small>(26 55 61)</small>		
26 55 61 00-0002 EA Ellipsoidal Spotlight, Two 6" x 9" Lenses.....	581.76	126.73
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.		
26 55 61 00-0003 EA Ellipsoidal Spotlight, Two 6" x 12" Lenses.....	581.76	126.73
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.		
26 55 61 00-0004 EA Ellipsoidal Spotlight, Two 6" x 16" Lenses.....	581.76	126.73
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.		
26 55 61 00-0005 EA Ellipsoidal Spotlight, 15-30 Degree Zoom (Strand #11411).....	1,188.01	126.73
26 55 61 00-0006 EA 14" Scoop Floodlight Altman #SC14.....	601.00	126.73
26 55 61 00-0007 EA 6" Diameter Fresnel Spotlight, Spherical Specular Alzak.....	404.84	126.73
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.		
26 55 61 00-0008 EA 8" Diameter Fresnel Spotlight, Spherical Specular Alzak.....	677.09	126.73
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.		
26 55 61 00-0009 EA 6" Diameter, 1000 Watt Fresnel Spotlight (Strand #12081).....	1,056.10	126.73
26 55 61 00-0010 EA Follow Spotlight With Steel Chassis And Lightweight.....	2,075.69	126.73
Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.		
26 55 61 00-0011 EA Follow Spotlight With Steel Chassis And Lightweight.....	2,504.21	126.73
Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.		
26 55 61 00-0012 EA 1000 Watt Follow Spotlight With Stand Altman 1000Q.....	3,352.58	126.73
26 55 61 00-0013 EA PAR 64 Can Lighting With 20 Gauge Sheet Steel.....	337.91	126.73
Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.		
26 55 61 00-0014 LF 300 Watt Borderlight Sections.....	218.45	21.15
Note: With continuous 5-3/4" x 6-3/4" housing, supported by wired on 3 or 4 circuits. Altman R40.		
26 55 61 00-0015 EA Dimmer Rack, Strand # CD80 SV.....	13,485.11	190.58
26 55 61 00-0016 EA Control Modules, 12x2.4W Twist Lock Out Strand # CD-80, 73210.....	7,612.72	95.29
26 55 61 00-0017 EA Control Modules, 12x2.4W Stage Pin Out Strand # CD-80, 73211.....	7,134.51	95.29
26 55 61 00-0018 EA Control Modules, 12x2.4W Terminal Strip Out Strand # CD-80, 73214.....	7,733.55	95.29
26 55 61 00-0019 EA Control Modules, 6x6 W Terminal Strip Out Strand # CD-80, 73224.....	7,707.66	95.29
26 55 61 00-0020 EA Dimmer Modules, 2x2.4 W Dimmer Module Strand # CD-80, 3-081060010 Or 73214.....	958.80	47.64
26 55 61 00-0021 EA Entrance Station Strand # 63021.....	826.89	47.64
26 55 61 00-0022 EA Stage Manager Panel Strand # 63030.....	1,702.07	95.29
26 55 61 00-0023 EA Control Console, Mantrix MX 24 Strand # 64125.....	6,126.87	190.58
26 55 61 00-0024 EA 6' Long Borderlight Sections.....	1,210.89	126.73
Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.		
26 55 61 00-0025 EA 1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S).....	2,702.63	126.73
<b>26 55 68</b> Athletic Field Lighting <small>(26 55)</small>		
<b>26 55 68 00-0001</b> Sports Lighting System <small>(26 55 68)</small> Note: Musco.		
<b>26 55 68 00-0002</b> Round Steel Tapered Poles <small>(26 55 68 00-0001)</small> Note: With Internal wiring harness.		
26 55 68 00-0003 EA 20' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	3,748.75	590.63
26 55 68 00-0004 EA 25' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	4,510.34	713.68
26 55 68 00-0005 EA 30' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	5,089.02	775.20
26 55 68 00-0006 EA 35' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	5,572.91	805.97
26 55 68 00-0007 EA 40' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	7,024.61	836.73
26 55 68 00-0008 EA 45' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	8,050.12	1,021.30
26 55 68 00-0009 EA 50' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	8,653.77	1,082.83
26 55 68 00-0010 EA 55' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	9,830.19	1,230.48
26 55 68 00-0011 EA 60' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	11,163.10	1,384.29
26 55 68 00-0012 EA 65' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	12,249.31	1,478.84
26 55 68 00-0013 EA 70' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	13,350.22	1,652.82
26 55 68 00-0014 EA 75' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	14,541.16	1,855.79
26 55 68 00-0015 EA 80' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	16,272.29	2,232.75
<b>26 55 68 00-0016</b> Steel Pole Brackets <small>(26 55 68 00-0001)</small>		
26 55 68 00-0017 EA Two Light Bracket.....	600.29	61.52

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			26 55 68 00-0018 EA Three Light Bracket.....	754.36	86.13
			26 55 68 00-0019 EA Four Light Bracket.....	1,090.92	104.59
			26 55 68 00-0020 EA Five Light Bracket.....	1,241.46	123.05
			26 55 68 00-0021 EA Six Light Bracket.....	1,507.08	141.50
			26 55 68 00-0022 EA Seven Light Bracket.....	1,725.74	159.96
			26 55 68 00-0023 EA Eight Light Bracket.....	1,973.86	184.57
			26 55 68 00-0024 EA Nine Light Bracket.....	2,230.88	203.03
<b>26 55 68 00-0025</b>			<b>Light Fixtures</b> (26 55 68 00-0001)		
	EA		120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug.....	1,321.64	
			For 1,500 Watt Metal Halide Lamp, Add	14.04	
<b>26 55 68 00-0027</b>			<b>Electrical Component Enclosure</b> (26 55 68 00-0001)		
			Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.		
	EA		Electrical Component Enclosure For 2 Lights, Pole Mounted.....	928.97	67.80
	EA		Electrical Component Enclosure For 3 Lights, Pole Mounted.....	1,393.38	104.31
	EA		Electrical Component Enclosure For 4 Lights, Pole Mounted.....	1,599.28	130.38
	EA		Electrical Component Enclosure For 5 Lights, Pole Mounted.....	2,069.20	146.04
	EA		Electrical Component Enclosure For 6 Lights, Pole Mounted.....	2,328.00	156.46
<b>26 55 68 00-0033</b>			<b>Accessories</b> (26 55 68 00-0001)		
	EA		Time Delay Kit (Musco®).....	913.19	209.02
	EA		Remote Switch Box Push Button (Musco®).....	1,903.52	209.02
	EA		Push Button Strobe Kit (Musco®).....	2,299.65	209.02
	EA		Additional Control-Link Unit (Musco®).....	11,157.39	627.06
	EA		Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®).....	1,198.96	104.31
	EA		Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®).....	1,407.57	208.63
<b>26 55 70</b>			<b>Healthcare Lighting</b> (26 55)		
<b>26 55 70 00-0001</b>			<b>Surgical Lighting Fixtures</b> (26 55 70)		
	EA		Surgical Lighting Fixture, 120 Volt, Max Va 126, 100 Volt Halogen.....	5,424.55	
	EA		Install Owner Furnished Surgical Lights.....	611.73	
<b>26 55 70 00-0004</b>			<b>Patient Care Fluorescent Fixtures</b> (26 55 70)		
<b>26 55 70 00-0005</b>			<b>Ambient And Exam Combination, Patient Care Fluorescent Fixtures (Cooper Fail-Safe)</b> (26 55 70 00-0004)		
			Note: Includes ambient and exam lights, 20 gauge steel housing with powder coated finish, acrylic diffuser and electronic ballast.		
	EA		2' x 2', 3 T8 Ambient Lamps, 2 T8 Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MAE).....	1,349.79	47.98
	EA		2' x 4', 3 T8 Ambient Lamps, 2 T8 Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MAE).....	1,490.86	47.98
	EA		2' x 4', 2 Biax Ambient Lamps, 4 Biax Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MPR2).....	1,210.89	47.98
<b>26 55 70 00-0009</b>			<b>Reading, Ambient And Exam Combination, Patient Care Fluorescent Fixtures (Cooper Fail-Safe)</b> (26 55 70 00-0004)		
			Note: Includes reading, ambient and exam lights, 20 gauge steel housing with powder coated finish, acrylic diffuser and electronic ballast.		
	EA		2' x 4', 1 Biax Reading Lamp, 2 Biax Ambient Lamps, 3 Biax Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MPR).....	1,339.14	47.98
<b>26 55 70 00-0011</b>			<b>Multi-Function Patient Care Fluorescent Fixtures (Day-Brite MPC)</b> (26 55 70 00-0004)		
			Note: Includes reading, ambient, exam and nurses light, steel housing with baked enamel finish, acrylic diffuser and electronic ballasts.		
	EA		2' x 4', 6 40W T5 Lamps, Multi-Function Patient Care Fluorescent Fixture (Day-Brite MPC).....	2,036.38	47.98
<b>26 56</b>			<b>Exterior Lighting</b> (26 50)		
<b>26 56 13</b>			<b>Lighting Poles and Standards</b> (26 56)		
<b>26 56 13 00-0001</b>			<b>Poles And Standards</b> (26 56 13)		
			See CSI section 26 05 46 00-0001 for additional pole.		
<b>26 56 13 00-0002</b>			<b>Roadway Light Poles</b> (26 56 13 00-0001)		
			Note: Excludes lighting fixtures.		
<b>26 56 13 00-0003</b>			<b>Steel Roadway Light Poles</b> (26 56 13 00-0002)		
			Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
<b>26 56 13 00-0004</b>			<b>Round Tapered, Steel Roadway Light Poles</b> (26 56 13 00-0003)		
<b>26 56 13 00-0005</b>			<b>Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms</b> (26 56 13 00-0004)		





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 56 13 00-0006 Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm</b> <i>(26 56 13 00-0005)</i>		
26 56 13 00-0007 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	2,595.68	369.14
For Galvanized Finish, Add	55.72	
For >10 To 20, Deduct	-64.89	
For >20 To 40, Deduct	-129.78	
For >40, Deduct	-213.13	
26 56 13 00-0008 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	2,600.26	369.14
For Galvanized Finish, Add	55.86	
For >10 To 20, Deduct	-65.01	
For >20 To 40, Deduct	-130.01	
For >40, Deduct	-213.48	
26 56 13 00-0009 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	2,873.56	492.19
For Galvanized Finish, Add	56.68	
For >10 To 20, Deduct	-71.84	
For >20 To 40, Deduct	-143.68	
For >40, Deduct	-240.13	
26 56 13 00-0010 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	2,928.76	492.19
For Galvanized Finish, Add	58.33	
For >10 To 20, Deduct	-73.22	
For >20 To 40, Deduct	-146.44	
For >40, Deduct	-244.27	
26 56 13 00-0011 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	2,983.96	492.19
For Galvanized Finish, Add	59.99	
For >10 To 20, Deduct	-74.60	
For >20 To 40, Deduct	-149.20	
For >40, Deduct	-248.41	
26 56 13 00-0012 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,118.64	553.72
For Galvanized Finish, Add	60.34	
For >10 To 20, Deduct	-77.97	
For >20 To 40, Deduct	-155.93	
For >40, Deduct	-261.58	
26 56 13 00-0013 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,144.81	553.72
For Galvanized Finish, Add	61.12	
For >10 To 20, Deduct	-78.62	
For >20 To 40, Deduct	-157.24	
For >40, Deduct	-263.55	
26 56 13 00-0014 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,149.79	553.72
For Galvanized Finish, Add	61.27	
For >10 To 20, Deduct	-78.74	
For >20 To 40, Deduct	-157.49	
For >40, Deduct	-263.92	
26 56 13 00-0015 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,304.25	584.48
For Galvanized Finish, Add	64.06	
For >10 To 20, Deduct	-82.61	
For >20 To 40, Deduct	-165.21	
For >40, Deduct	-277.04	
26 56 13 00-0016 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,324.02	584.48
For Galvanized Finish, Add	64.65	
For >10 To 20, Deduct	-83.10	
For >20 To 40, Deduct	-166.20	
For >40, Deduct	-278.53	
26 56 13 00-0017 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,345.61	584.48
For Galvanized Finish, Add	65.30	
For >10 To 20, Deduct	-83.64	
For >20 To 40, Deduct	-167.28	
For >40, Deduct	-280.14	
26 56 13 00-0018 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,793.86	615.24
For Galvanized Finish, Add	76.90	
For >10 To 20, Deduct	-94.85	
For >20 To 40, Deduct	-189.69	
For >40, Deduct	-315.30	
26 56 13 00-0019 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,800.89	615.24
For Galvanized Finish, Add	77.11	
For >10 To 20, Deduct	-95.02	
For >20 To 40, Deduct	-190.04	
For >40, Deduct	-315.83	
26 56 13 00-0020 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,807.85	615.24
For Galvanized Finish, Add	77.32	
For >10 To 20, Deduct	-95.20	
For >20 To 40, Deduct	-190.39	
For >40, Deduct	-316.35	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 13 00-0021		Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms <small>(26 56 13 00-0005)</small>	
26 56 13 00-0022	EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,219.73	430.67
	For Galvanized Finish, Add	70.75	
	For >10 To 20, Deduct	-80.49	
	For >20 To 40, Deduct	-160.99	
	For >40, Deduct	-263.01	
26 56 13 00-0023	EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,279.99	446.05
	For Galvanized Finish, Add	71.64	
	For >10 To 20, Deduct	-82.00	
	For >20 To 40, Deduct	-164.00	
	For >40, Deduct	-268.30	
26 56 13 00-0024	EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,332.97	461.43
	For Galvanized Finish, Add	72.30	
	For >10 To 20, Deduct	-83.32	
	For >20 To 40, Deduct	-166.65	
	For >40, Deduct	-273.04	
26 56 13 00-0025	EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,274.59	553.72
	For Galvanized Finish, Add	65.01	
	For >10 To 20, Deduct	-81.86	
	For >20 To 40, Deduct	-163.73	
	For >40, Deduct	-273.28	
26 56 13 00-0026	EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,317.06	569.10
	For Galvanized Finish, Add	65.37	
	For >10 To 20, Deduct	-82.93	
	For >20 To 40, Deduct	-165.85	
	For >40, Deduct	-277.23	
26 56 13 00-0027	EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,352.57	584.48
	For Galvanized Finish, Add	65.51	
	For >10 To 20, Deduct	-83.81	
	For >20 To 40, Deduct	-167.63	
	For >40, Deduct	-280.67	
26 56 13 00-0028	EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,542.21	615.24
	For Galvanized Finish, Add	69.35	
	For >10 To 20, Deduct	-88.56	
	For >20 To 40, Deduct	-177.11	
	For >40, Deduct	-296.43	
26 56 13 00-0029	EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,580.09	630.62
	For Galvanized Finish, Add	69.57	
	For >10 To 20, Deduct	-89.50	
	For >20 To 40, Deduct	-179.00	
	For >40, Deduct	-300.04	
26 56 13 00-0030	EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,615.35	646.00
	For Galvanized Finish, Add	69.70	
	For >10 To 20, Deduct	-90.38	
	For >20 To 40, Deduct	-180.77	
	For >40, Deduct	-303.45	
26 56 13 00-0031	EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,755.18	646.00
	For Galvanized Finish, Add	73.90	
	For >10 To 20, Deduct	-93.88	
	For >20 To 40, Deduct	-187.76	
	For >40, Deduct	-313.94	
26 56 13 00-0032	EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,816.55	661.38
	For Galvanized Finish, Add	74.81	
	For >10 To 20, Deduct	-95.41	
	For >20 To 40, Deduct	-190.83	
	For >40, Deduct	-319.31	
26 56 13 00-0033	EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,876.34	676.76
	For Galvanized Finish, Add	75.68	
	For >10 To 20, Deduct	-96.91	
	For >20 To 40, Deduct	-193.82	
	For >40, Deduct	-324.56	
26 56 13 00-0034	EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,217.59	676.76
	For Galvanized Finish, Add	85.92	
	For >10 To 20, Deduct	-105.44	
	For >20 To 40, Deduct	-210.88	
	For >40, Deduct	-350.16	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0035 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,252.93	692.15
For Galvanized Finish, Add	86.06	
For >10 To 20, Deduct	-106.32	
For >20 To 40, Deduct	-212.65	
For >40, Deduct	-353.58	
26 56 13 00-0036 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,288.44	707.53
For Galvanized Finish, Add	86.20	
For >10 To 20, Deduct	-107.21	
For >20 To 40, Deduct	-214.42	
For >40, Deduct	-357.01	
<b>26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms</b> <small>(26 56 13 00-0005)</small>		
26 56 13 00-0038 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	3,831.18	615.24
For Galvanized Finish, Add	78.02	
For >10 To 20, Deduct	-95.78	
For >20 To 40, Deduct	-191.56	
For >40, Deduct	-318.10	
26 56 13 00-0039 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	3,897.37	646.00
For Galvanized Finish, Add	78.16	
For >10 To 20, Deduct	-97.43	
For >20 To 40, Deduct	-194.87	
For >40, Deduct	-324.60	
26 56 13 00-0040 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	3,970.53	676.76
For Galvanized Finish, Add	78.51	
For >10 To 20, Deduct	-99.26	
For >20 To 40, Deduct	-198.53	
For >40, Deduct	-331.63	
26 56 13 00-0041 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,070.80	676.76
For Galvanized Finish, Add	81.52	
For >10 To 20, Deduct	-101.77	
For >20 To 40, Deduct	-203.54	
For >40, Deduct	-339.15	
26 56 13 00-0042 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,139.21	707.53
For Galvanized Finish, Add	81.72	
For >10 To 20, Deduct	-103.48	
For >20 To 40, Deduct	-206.96	
For >40, Deduct	-345.82	
26 56 13 00-0043 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,205.40	738.29
For Galvanized Finish, Add	81.86	
For >10 To 20, Deduct	-105.14	
For >20 To 40, Deduct	-210.27	
For >40, Deduct	-352.32	
26 56 13 00-0044 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,323.24	707.53
For Galvanized Finish, Add	87.25	
For >10 To 20, Deduct	-108.08	
For >20 To 40, Deduct	-216.16	
For >40, Deduct	-359.62	
26 56 13 00-0045 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,389.43	738.29
For Galvanized Finish, Add	87.39	
For >10 To 20, Deduct	-109.74	
For >20 To 40, Deduct	-219.47	
For >40, Deduct	-366.12	
26 56 13 00-0046 EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,455.62	769.05
For Galvanized Finish, Add	87.53	
For >10 To 20, Deduct	-111.39	
For >20 To 40, Deduct	-222.78	
For >40, Deduct	-372.62	
26 56 13 00-0047 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,641.32	738.29
For Galvanized Finish, Add	94.94	
For >10 To 20, Deduct	-116.03	
For >20 To 40, Deduct	-232.07	
For >40, Deduct	-385.01	
26 56 13 00-0048 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,707.27	769.05
For Galvanized Finish, Add	95.08	
For >10 To 20, Deduct	-117.68	
For >20 To 40, Deduct	-235.36	
For >40, Deduct	-391.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0049	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,778.12	799.81
			<i>For Galvanized Finish, Add</i>	95.36	
			<i>For &gt;10 To 20, Deduct</i>	-119.45	
			<i>For &gt;20 To 40, Deduct</i>	-238.91	
			<i>For &gt;40, Deduct</i>	-398.35	
<b>26 56 13 00-0050</b>			<b>Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms</b> <small>(26 56 13 00-0005)</small>		
26 56 13 00-0051	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,257.21	676.76
			<i>For Galvanized Finish, Add</i>	87.11	
			<i>For &gt;10 To 20, Deduct</i>	-106.43	
			<i>For &gt;20 To 40, Deduct</i>	-212.86	
			<i>For &gt;40, Deduct</i>	-353.13	
26 56 13 00-0052	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,356.45	722.91
			<i>For Galvanized Finish, Add</i>	87.32	
			<i>For &gt;10 To 20, Deduct</i>	-108.91	
			<i>For &gt;20 To 40, Deduct</i>	-217.82	
			<i>For &gt;40, Deduct</i>	-362.88	
26 56 13 00-0053	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	4,453.32	769.05
			<i>For Galvanized Finish, Add</i>	87.46	
			<i>For &gt;10 To 20, Deduct</i>	-111.33	
			<i>For &gt;20 To 40, Deduct</i>	-222.67	
			<i>For &gt;40, Deduct</i>	-372.45	
26 56 13 00-0054	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,525.38	738.29
			<i>For Galvanized Finish, Add</i>	91.46	
			<i>For &gt;10 To 20, Deduct</i>	-113.13	
			<i>For &gt;20 To 40, Deduct</i>	-226.27	
			<i>For &gt;40, Deduct</i>	-376.32	
26 56 13 00-0055	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,622.56	784.43
			<i>For Galvanized Finish, Add</i>	91.61	
			<i>For &gt;10 To 20, Deduct</i>	-115.56	
			<i>For &gt;20 To 40, Deduct</i>	-231.13	
			<i>For &gt;40, Deduct</i>	-385.91	
26 56 13 00-0056	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	4,692.87	830.57
			<i>For Galvanized Finish, Add</i>	90.95	
			<i>For &gt;10 To 20, Deduct</i>	-117.32	
			<i>For &gt;20 To 40, Deduct</i>	-234.64	
			<i>For &gt;40, Deduct</i>	-393.49	
26 56 13 00-0057	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,851.75	769.05
			<i>For Galvanized Finish, Add</i>	99.41	
			<i>For &gt;10 To 20, Deduct</i>	-121.29	
			<i>For &gt;20 To 40, Deduct</i>	-242.59	
			<i>For &gt;40, Deduct</i>	-402.33	
26 56 13 00-0058	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,980.42	815.19
			<i>For Galvanized Finish, Add</i>	100.50	
			<i>For &gt;10 To 20, Deduct</i>	-124.51	
			<i>For &gt;20 To 40, Deduct</i>	-249.02	
			<i>For &gt;40, Deduct</i>	-414.29	
26 56 13 00-0059	EA		35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,048.11	861.34
			<i>For Galvanized Finish, Add</i>	99.76	
			<i>For &gt;10 To 20, Deduct</i>	-126.20	
			<i>For &gt;20 To 40, Deduct</i>	-262.41	
			<i>For &gt;40, Deduct</i>	-421.68	
26 56 13 00-0060	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,064.80	799.81
			<i>For Galvanized Finish, Add</i>	103.96	
			<i>For &gt;10 To 20, Deduct</i>	-126.62	
			<i>For &gt;20 To 40, Deduct</i>	-263.24	
			<i>For &gt;40, Deduct</i>	-419.85	
26 56 13 00-0061	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,161.68	845.96
			<i>For Galvanized Finish, Add</i>	104.09	
			<i>For &gt;10 To 20, Deduct</i>	-129.04	
			<i>For &gt;20 To 40, Deduct</i>	-268.08	
			<i>For &gt;40, Deduct</i>	-429.42	
26 56 13 00-0062	EA		40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,260.93	892.10
			<i>For Galvanized Finish, Add</i>	104.30	
			<i>For &gt;10 To 20, Deduct</i>	-131.52	
			<i>For &gt;20 To 40, Deduct</i>	-263.05	
			<i>For &gt;40, Deduct</i>	-439.17	
<b>26 56 13 00-0063</b>			<b>Round Tapered, Steel Roadway Light Poles With Davit Style Arm</b> <small>(26 56 13 00-0004)</small>		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 56 13 00-0064</b> Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm <sup>(26 56</sup>		
<sup>13 00-0063)</sup>		
26 56 13 00-0065 EA 25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm,		
Anchor Base.....	3,044.38	492.19
For Galvanized Finish, Add	61.80	
For >10 To 20, Deduct	-76.11	
For >20 To 40, Deduct	-152.22	
For >40, Deduct	-252.94	
26 56 13 00-0066 EA 30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm,		
Anchor Base.....	3,443.52	553.72
For Galvanized Finish, Add	70.08	
For >10 To 20, Deduct	-86.09	
For >20 To 40, Deduct	-172.18	
For >40, Deduct	-285.95	
26 56 13 00-0067 EA 35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm,		
Anchor Base.....	3,543.48	584.48
For Galvanized Finish, Add	71.24	
For >10 To 20, Deduct	-88.59	
For >20 To 40, Deduct	-177.17	
For >40, Deduct	-294.99	
26 56 13 00-0068 EA 40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm,		
Anchor Base.....	4,194.66	615.24
For Galvanized Finish, Add	88.93	
For >10 To 20, Deduct	-104.87	
For >20 To 40, Deduct	-209.73	
For >40, Deduct	-345.36	
<b>26 56 13 00-0069</b> Round Tapered, Steel Roadway Light Poles With Truss Style Arms <sup>(26 56 13 00-</sup>		
<sup>0004)</sup>		
<b>26 56 13 00-0070</b> Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm <sup>(26</sup>		
<sup>56 13 00-0069)</sup>		
26 56 13 00-0071 EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm,		
Anchor Base.....	3,869.00	492.19
For Galvanized Finish, Add	86.54	
For >10 To 20, Deduct	-96.73	
For >20 To 40, Deduct	-193.45	
For >40, Deduct	-314.78	
26 56 13 00-0072 EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm,		
Anchor Base.....	3,904.35	492.19
For Galvanized Finish, Add	87.60	
For >10 To 20, Deduct	-97.61	
For >20 To 40, Deduct	-195.22	
For >40, Deduct	-317.44	
26 56 13 00-0073 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm,		
Anchor Base.....	3,920.48	492.19
For Galvanized Finish, Add	88.08	
For >10 To 20, Deduct	-98.01	
For >20 To 40, Deduct	-196.02	
For >40, Deduct	-318.65	
26 56 13 00-0074 EA 30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm,		
Anchor Base.....	4,027.40	553.72
For Galvanized Finish, Add	87.60	
For >10 To 20, Deduct	-100.69	
For >20 To 40, Deduct	-201.37	
For >40, Deduct	-329.74	
26 56 13 00-0075 EA 30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm,		
Anchor Base.....	4,033.57	553.72
For Galvanized Finish, Add	87.78	
For >10 To 20, Deduct	-100.84	
For >20 To 40, Deduct	-201.68	
For >40, Deduct	-330.20	
26 56 13 00-0076 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm,		
Anchor Base.....	4,097.31	553.72
For Galvanized Finish, Add	89.70	
For >10 To 20, Deduct	-102.43	
For >20 To 40, Deduct	-204.87	
For >40, Deduct	-334.98	
26 56 13 00-0077 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm,		
Anchor Base.....	4,109.89	584.48
For Galvanized Finish, Add	88.23	
For >10 To 20, Deduct	-102.75	
For >20 To 40, Deduct	-205.49	
For >40, Deduct	-337.47	
26 56 13 00-0078 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm,		
Anchor Base.....	4,147.21	584.48
For Galvanized Finish, Add	89.35	
For >10 To 20, Deduct	-103.68	
For >20 To 40, Deduct	-207.36	
For >40, Deduct	-340.26	
26 56 13 00-0079 EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm,		
Anchor Base.....	4,342.95	584.48
For Galvanized Finish, Add	95.22	
For >10 To 20, Deduct	-108.57	
For >20 To 40, Deduct	-217.15	
For >40, Deduct	-354.95	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0080		<b>Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms</b> <small>(26 56 13 00-0080)</small>		
	26 56 13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,055.57	615.24
			For Galvanized Finish, Add.....	114.75	
			For >10 To 20, Deduct.....	-126.39	
			For >20 To 40, Deduct.....	-252.78	
			For >40, Deduct.....	-409.93	
	26 56 13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,150.94	646.00
			For Galvanized Finish, Add.....	115.77	
			For >10 To 20, Deduct.....	-128.77	
			For >20 To 40, Deduct.....	-257.55	
			For >40, Deduct.....	-418.62	
	26 56 13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,345.34	676.76
			For Galvanized Finish, Add.....	119.75	
			For >10 To 20, Deduct.....	-133.63	
			For >20 To 40, Deduct.....	-267.27	
			For >40, Deduct.....	-434.74	
	26 56 13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,159.01	676.76
			For Galvanized Finish, Add.....	114.16	
			For >10 To 20, Deduct.....	-128.98	
			For >20 To 40, Deduct.....	-257.95	
			For >40, Deduct.....	-420.76	
	26 56 13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,395.39	707.53
			For Galvanized Finish, Add.....	119.41	
			For >10 To 20, Deduct.....	-134.88	
			For >20 To 40, Deduct.....	-269.77	
			For >40, Deduct.....	-440.03	
	26 56 13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,542.96	738.29
			For Galvanized Finish, Add.....	121.99	
			For >10 To 20, Deduct.....	-138.57	
			For >20 To 40, Deduct.....	-277.15	
			For >40, Deduct.....	-452.64	
	26 56 13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,318.20	707.53
			For Galvanized Finish, Add.....	117.09	
			For >10 To 20, Deduct.....	-132.96	
			For >20 To 40, Deduct.....	-265.91	
			For >40, Deduct.....	-434.24	
	26 56 13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,629.16	738.29
			For Galvanized Finish, Add.....	124.58	
			For >10 To 20, Deduct.....	-140.73	
			For >20 To 40, Deduct.....	-281.46	
			For >40, Deduct.....	-459.10	
	26 56 13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,818.80	769.05
			For Galvanized Finish, Add.....	128.42	
			For >10 To 20, Deduct.....	-145.47	
			For >20 To 40, Deduct.....	-290.94	
			For >40, Deduct.....	-474.86	
26 56	13 00-0090		<b>Aluminum Roadway Light Poles</b> <small>(26 56 13 00-0090)</small>		
			Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56	13 00-0091		<b>Round Tapered, Aluminum Roadway Light Poles</b> <small>(26 56 13 00-0091)</small>		
26 56	13 00-0092		<b>Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms</b> <small>(26 56 13 00-0092)</small>		
26 56	13 00-0093		<b>Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm</b> <small>(26 56 13 00-0093)</small>		
	26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	2,260.34	369.14
			For >10 To 20, Deduct.....	-56.51	
			For >20 To 40, Deduct.....	-113.02	
			For >40, Deduct.....	-187.98	
	26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	2,278.77	369.14
			For >10 To 20, Deduct.....	-56.97	
			For >20 To 40, Deduct.....	-113.94	
			For >40, Deduct.....	-189.37	
	26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	2,784.55	492.19
			For >10 To 20, Deduct.....	-69.61	
			For >20 To 40, Deduct.....	-139.23	
			For >40, Deduct.....	-233.45	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0097	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	2,819.36	492.19
			<i>For &gt;10 To 20, Deduct</i>	-70.48	
			<i>For &gt;20 To 40, Deduct</i>	-140.97	
			<i>For &gt;40, Deduct</i>	-236.06	
26 56 13 00-0098	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	2,851.38	492.19
			<i>For &gt;10 To 20, Deduct</i>	-71.28	
			<i>For &gt;20 To 40, Deduct</i>	-142.57	
			<i>For &gt;40, Deduct</i>	-238.46	
26 56 13 00-0099	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,192.44	553.72
			<i>For &gt;10 To 20, Deduct</i>	-79.81	
			<i>For &gt;20 To 40, Deduct</i>	-159.62	
			<i>For &gt;40, Deduct</i>	-267.12	
26 56 13 00-0100	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,221.81	553.72
			<i>For &gt;10 To 20, Deduct</i>	-80.55	
			<i>For &gt;20 To 40, Deduct</i>	-161.09	
			<i>For &gt;40, Deduct</i>	-269.32	
26 56 13 00-0101	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,254.66	553.72
			<i>For &gt;10 To 20, Deduct</i>	-81.37	
			<i>For &gt;20 To 40, Deduct</i>	-162.73	
			<i>For &gt;40, Deduct</i>	-271.79	
26 56 13 00-0102	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,718.68	584.48
			<i>For &gt;10 To 20, Deduct</i>	-92.97	
			<i>For &gt;20 To 40, Deduct</i>	-185.93	
			<i>For &gt;40, Deduct</i>	-308.13	
26 56 13 00-0103	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,747.98	584.48
			<i>For &gt;10 To 20, Deduct</i>	-93.70	
			<i>For &gt;20 To 40, Deduct</i>	-187.40	
			<i>For &gt;40, Deduct</i>	-310.32	
26 56 13 00-0104	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,772.52	584.48
			<i>For &gt;10 To 20, Deduct</i>	-94.31	
			<i>For &gt;20 To 40, Deduct</i>	-188.63	
			<i>For &gt;40, Deduct</i>	-312.16	
<b>26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms</b>					
<i>(26 56 13 00-0092)</i>					
26 56 13 00-0106	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	2,592.56	430.67
			<i>For &gt;10 To 20, Deduct</i>	-64.81	
			<i>For &gt;20 To 40, Deduct</i>	-129.63	
			<i>For &gt;40, Deduct</i>	-215.98	
26 56 13 00-0107	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	2,773.12	430.67
			<i>For &gt;10 To 20, Deduct</i>	-69.33	
			<i>For &gt;20 To 40, Deduct</i>	-138.66	
			<i>For &gt;40, Deduct</i>	-229.52	
26 56 13 00-0108	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	2,869.83	461.43
			<i>For &gt;10 To 20, Deduct</i>	-71.75	
			<i>For &gt;20 To 40, Deduct</i>	-143.49	
			<i>For &gt;40, Deduct</i>	-238.31	
26 56 13 00-0109	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,106.88	553.72
			<i>For &gt;10 To 20, Deduct</i>	-77.67	
			<i>For &gt;20 To 40, Deduct</i>	-155.34	
			<i>For &gt;40, Deduct</i>	-260.70	
26 56 13 00-0110	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,252.57	569.10
			<i>For &gt;10 To 20, Deduct</i>	-81.31	
			<i>For &gt;20 To 40, Deduct</i>	-162.63	
			<i>For &gt;40, Deduct</i>	-272.40	
26 56 13 00-0111	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,460.42	584.48
			<i>For &gt;10 To 20, Deduct</i>	-86.51	
			<i>For &gt;20 To 40, Deduct</i>	-173.02	
			<i>For &gt;40, Deduct</i>	-288.76	
26 56 13 00-0112	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,578.05	615.24
			<i>For &gt;10 To 20, Deduct</i>	-89.45	
			<i>For &gt;20 To 40, Deduct</i>	-178.90	
			<i>For &gt;40, Deduct</i>	-299.12	
26 56 13 00-0113	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,715.43	630.62
			<i>For &gt;10 To 20, Deduct</i>	-92.89	
			<i>For &gt;20 To 40, Deduct</i>	-185.77	
			<i>For &gt;40, Deduct</i>	-310.19	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,881.97	646.00
			<i>For &gt;10 To 20, Deduct</i>	-97.05	
			<i>For &gt;20 To 40, Deduct</i>	-194.10	
			<i>For &gt;40, Deduct</i>	-323.45	
26 56	13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,041.68	646.00
			<i>For &gt;10 To 20, Deduct</i>	-101.04	
			<i>For &gt;20 To 40, Deduct</i>	-202.08	
			<i>For &gt;40, Deduct</i>	-335.43	
26 56	13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,404.86	661.38
			<i>For &gt;10 To 20, Deduct</i>	-110.12	
			<i>For &gt;20 To 40, Deduct</i>	-220.24	
			<i>For &gt;40, Deduct</i>	-363.43	
26 56	13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,826.40	676.76
			<i>For &gt;10 To 20, Deduct</i>	-120.66	
			<i>For &gt;20 To 40, Deduct</i>	-241.32	
			<i>For &gt;40, Deduct</i>	-395.82	
<b>26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms</b> <small>(26 56 13 00-0092)</small>					
26 56	13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,006.26	492.19
			<i>For &gt;10 To 20, Deduct</i>	-75.16	
			<i>For &gt;20 To 40, Deduct</i>	-150.31	
			<i>For &gt;40, Deduct</i>	-250.08	
26 56	13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,213.83	522.95
			<i>For &gt;10 To 20, Deduct</i>	-80.35	
			<i>For &gt;20 To 40, Deduct</i>	-160.69	
			<i>For &gt;40, Deduct</i>	-267.19	
26 56	13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,661.19	615.24
			<i>For &gt;10 To 20, Deduct</i>	-91.53	
			<i>For &gt;20 To 40, Deduct</i>	-183.06	
			<i>For &gt;40, Deduct</i>	-305.35	
26 56	13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,819.29	646.00
			<i>For &gt;10 To 20, Deduct</i>	-95.48	
			<i>For &gt;20 To 40, Deduct</i>	-190.96	
			<i>For &gt;40, Deduct</i>	-318.75	
26 56	13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,999.90	676.76
			<i>For &gt;10 To 20, Deduct</i>	-100.00	
			<i>For &gt;20 To 40, Deduct</i>	-200.00	
			<i>For &gt;40, Deduct</i>	-333.83	
26 56	13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,144.56	707.53
			<i>For &gt;10 To 20, Deduct</i>	-103.61	
			<i>For &gt;20 To 40, Deduct</i>	-207.23	
			<i>For &gt;40, Deduct</i>	-346.22	
26 56	13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,317.49	707.53
			<i>For &gt;10 To 20, Deduct</i>	-107.94	
			<i>For &gt;20 To 40, Deduct</i>	-215.87	
			<i>For &gt;40, Deduct</i>	-359.19	
26 56	13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,685.91	738.29
			<i>For &gt;10 To 20, Deduct</i>	-117.15	
			<i>For &gt;20 To 40, Deduct</i>	-234.30	
			<i>For &gt;40, Deduct</i>	-388.36	
26 56	13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	10,521.34	769.05
			<i>For &gt;10 To 20, Deduct</i>	-263.03	
			<i>For &gt;20 To 40, Deduct</i>	-526.07	
			<i>For &gt;40, Deduct</i>	-827.55	
<b>26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms</b> <small>(26 56 13 00-0092)</small>					
26 56	13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,128.85	553.72
			<i>For &gt;10 To 20, Deduct</i>	-78.22	
			<i>For &gt;20 To 40, Deduct</i>	-156.44	
			<i>For &gt;40, Deduct</i>	-262.35	
26 56	13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,239.41	553.72
			<i>For &gt;10 To 20, Deduct</i>	-80.99	
			<i>For &gt;20 To 40, Deduct</i>	-161.97	
			<i>For &gt;40, Deduct</i>	-270.64	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0131	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,006.78	676.76
			<i>For &gt;10 To 20, Deduct</i>	-100.17	
			<i>For &gt;20 To 40, Deduct</i>	-200.34	
			<i>For &gt;40, Deduct</i>	-334.35	
26 56 13 00-0132	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,334.73	722.91
			<i>For &gt;10 To 20, Deduct</i>	-108.37	
			<i>For &gt;20 To 40, Deduct</i>	-216.74	
			<i>For &gt;40, Deduct</i>	-361.25	
26 56 13 00-0133	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,516.08	738.29
			<i>For &gt;10 To 20, Deduct</i>	-112.90	
			<i>For &gt;20 To 40, Deduct</i>	-225.80	
			<i>For &gt;40, Deduct</i>	-375.62	
26 56 13 00-0134	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,819.57	784.43
			<i>For &gt;10 To 20, Deduct</i>	-120.49	
			<i>For &gt;20 To 40, Deduct</i>	-240.98	
			<i>For &gt;40, Deduct</i>	-400.69	
26 56 13 00-0135	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,752.86	769.05
			<i>For &gt;10 To 20, Deduct</i>	-118.82	
			<i>For &gt;20 To 40, Deduct</i>	-237.64	
			<i>For &gt;40, Deduct</i>	-394.92	
26 56 13 00-0136	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,386.36	815.19
			<i>For &gt;10 To 20, Deduct</i>	-134.66	
			<i>For &gt;20 To 40, Deduct</i>	-269.32	
			<i>For &gt;40, Deduct</i>	-444.74	
26 56 13 00-0137	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,948.18	861.34
			<i>For &gt;10 To 20, Deduct</i>	-148.70	
			<i>For &gt;20 To 40, Deduct</i>	-297.41	
			<i>For &gt;40, Deduct</i>	-489.18	
26 56 13 00-0138			Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms <sup>(26 56 13 00-0091)</sup>		
26 56 13 00-0139			Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm <sup>(26 56 13 00-0138)</sup>		
26 56 13 00-0140	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	3,296.08	492.19
			<i>For &gt;10 To 20, Deduct</i>	-82.40	
			<i>For &gt;20 To 40, Deduct</i>	-164.80	
			<i>For &gt;40, Deduct</i>	-271.82	
26 56 13 00-0141	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	3,320.70	492.19
			<i>For &gt;10 To 20, Deduct</i>	-83.02	
			<i>For &gt;20 To 40, Deduct</i>	-166.04	
			<i>For &gt;40, Deduct</i>	-273.66	
26 56 13 00-0142	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	3,383.60	492.19
			<i>For &gt;10 To 20, Deduct</i>	-84.59	
			<i>For &gt;20 To 40, Deduct</i>	-169.18	
			<i>For &gt;40, Deduct</i>	-278.38	
26 56 13 00-0143	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	3,477.99	492.19
			<i>For &gt;10 To 20, Deduct</i>	-86.95	
			<i>For &gt;20 To 40, Deduct</i>	-173.90	
			<i>For &gt;40, Deduct</i>	-285.46	
26 56 13 00-0144	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	3,710.99	553.72
			<i>For &gt;10 To 20, Deduct</i>	-92.77	
			<i>For &gt;20 To 40, Deduct</i>	-185.55	
			<i>For &gt;40, Deduct</i>	-306.01	
26 56 13 00-0145	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	3,766.49	553.72
			<i>For &gt;10 To 20, Deduct</i>	-94.16	
			<i>For &gt;20 To 40, Deduct</i>	-188.32	
			<i>For &gt;40, Deduct</i>	-310.17	
26 56 13 00-0146	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	3,825.69	553.72
			<i>For &gt;10 To 20, Deduct</i>	-95.64	
			<i>For &gt;20 To 40, Deduct</i>	-191.28	
			<i>For &gt;40, Deduct</i>	-314.61	
26 56 13 00-0147	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,182.80	553.72
			<i>For &gt;10 To 20, Deduct</i>	-104.57	
			<i>For &gt;20 To 40, Deduct</i>	-209.14	
			<i>For &gt;40, Deduct</i>	-341.40	
26 56 13 00-0148	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,026.47	584.48
			<i>For &gt;10 To 20, Deduct</i>	-100.66	
			<i>For &gt;20 To 40, Deduct</i>	-201.32	
			<i>For &gt;40, Deduct</i>	-331.21	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0149	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,484.69	584.48
			<i>For &gt;10 To 20, Deduct</i>	-112.12	
			<i>For &gt;20 To 40, Deduct</i>	-224.23	
			<i>For &gt;40, Deduct</i>	-365.58	
26 56 13 00-0150	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,529.32	584.48
			<i>For &gt;10 To 20, Deduct</i>	-113.23	
			<i>For &gt;20 To 40, Deduct</i>	-226.47	
			<i>For &gt;40, Deduct</i>	-368.92	
26 56 13 00-0151	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,812.64	584.48
			<i>For &gt;10 To 20, Deduct</i>	-120.32	
			<i>For &gt;20 To 40, Deduct</i>	-240.63	
			<i>For &gt;40, Deduct</i>	-390.17	
26 56 13 00-0152	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,071.05	584.48
			<i>For &gt;10 To 20, Deduct</i>	-126.78	
			<i>For &gt;20 To 40, Deduct</i>	-253.55	
			<i>For &gt;40, Deduct</i>	-409.55	
<b>26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms</b> <small>(26 56 13 00-0138)</small>					
26 56 13 00-0154	EA		25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	4,269.98	615.24
			<i>For &gt;10 To 20, Deduct</i>	-106.75	
			<i>For &gt;20 To 40, Deduct</i>	-213.50	
			<i>For &gt;40, Deduct</i>	-351.01	
26 56 13 00-0155	EA		25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	4,394.40	646.00
			<i>For &gt;10 To 20, Deduct</i>	-109.86	
			<i>For &gt;20 To 40, Deduct</i>	-219.72	
			<i>For &gt;40, Deduct</i>	-361.88	
26 56 13 00-0156	EA		25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	4,496.41	676.76
			<i>For &gt;10 To 20, Deduct</i>	-112.41	
			<i>For &gt;20 To 40, Deduct</i>	-224.82	
			<i>For &gt;40, Deduct</i>	-371.07	
26 56 13 00-0157	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	4,604.24	676.76
			<i>For &gt;10 To 20, Deduct</i>	-115.11	
			<i>For &gt;20 To 40, Deduct</i>	-230.21	
			<i>For &gt;40, Deduct</i>	-379.16	
26 56 13 00-0158	EA		30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	4,993.64	707.53
			<i>For &gt;10 To 20, Deduct</i>	-124.84	
			<i>For &gt;20 To 40, Deduct</i>	-249.68	
			<i>For &gt;40, Deduct</i>	-409.90	
26 56 13 00-0159	EA		30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,702.09	738.29
			<i>For &gt;10 To 20, Deduct</i>	-142.55	
			<i>For &gt;20 To 40, Deduct</i>	-285.10	
			<i>For &gt;40, Deduct</i>	-464.57	
26 56 13 00-0160	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,512.49	707.53
			<i>For &gt;10 To 20, Deduct</i>	-137.81	
			<i>For &gt;20 To 40, Deduct</i>	-275.62	
			<i>For &gt;40, Deduct</i>	-448.81	
26 56 13 00-0161	EA		35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,626.73	738.29
			<i>For &gt;10 To 20, Deduct</i>	-140.67	
			<i>For &gt;20 To 40, Deduct</i>	-281.34	
			<i>For &gt;40, Deduct</i>	-458.92	
26 56 13 00-0162	EA		35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,794.53	769.05
			<i>For &gt;10 To 20, Deduct</i>	-169.86	
			<i>For &gt;20 To 40, Deduct</i>	-339.73	
			<i>For &gt;40, Deduct</i>	-548.04	
<b>26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm</b> <small>(26 56 13 00-0091)</small>					
<b>26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm</b> <small>(26 56 13 00-0163)</small>					
26 56 13 00-0165	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	2,690.62	369.14
			<i>For &gt;10 To 20, Deduct</i>	-67.27	
			<i>For &gt;20 To 40, Deduct</i>	-134.53	
			<i>For &gt;40, Deduct</i>	-220.25	
26 56 13 00-0166	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	2,760.17	369.14
			<i>For &gt;10 To 20, Deduct</i>	-69.00	
			<i>For &gt;20 To 40, Deduct</i>	-138.01	
			<i>For &gt;40, Deduct</i>	-225.47	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base .....	2,829.87	369.14
			For >10 To 20, Deduct	-70.75	
			For >20 To 40, Deduct	-141.49	
			For >40, Deduct	-230.70	
26 56	13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base .....	3,221.09	492.19
			For >10 To 20, Deduct	-80.53	
			For >20 To 40, Deduct	-161.05	
			For >40, Deduct	-266.19	
26 56	13 00-0169	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base .....	3,274.10	492.19
			For >10 To 20, Deduct	-81.85	
			For >20 To 40, Deduct	-163.71	
			For >40, Deduct	-270.17	
26 56	13 00-0170	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base .....	3,332.02	492.19
			For >10 To 20, Deduct	-83.30	
			For >20 To 40, Deduct	-166.60	
			For >40, Deduct	-274.51	
26 56	13 00-0171	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base .....	3,634.72	553.72
			For >10 To 20, Deduct	-90.87	
			For >20 To 40, Deduct	-181.74	
			For >40, Deduct	-300.29	
26 56	13 00-0172	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base .....	3,706.68	553.72
			For >10 To 20, Deduct	-92.67	
			For >20 To 40, Deduct	-185.33	
			For >40, Deduct	-305.69	
26 56	13 00-0173	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base .....	3,717.48	553.72
			For >10 To 20, Deduct	-92.94	
			For >20 To 40, Deduct	-185.87	
			For >40, Deduct	-306.50	
26 56	13 00-0174	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base .....	3,952.32	584.48
			For >10 To 20, Deduct	-98.81	
			For >20 To 40, Deduct	-197.62	
			For >40, Deduct	-325.65	
26 56	13 00-0175	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base .....	3,983.88	584.48
			For >10 To 20, Deduct	-99.60	
			For >20 To 40, Deduct	-199.19	
			For >40, Deduct	-328.02	
26 56	13 00-0176	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base .....	4,057.88	584.48
			For >10 To 20, Deduct	-101.45	
			For >20 To 40, Deduct	-202.89	
			For >40, Deduct	-333.57	
26 56	13 00-0177		<b>Area Light Poles</b> (26 56 13 00-0001) Note: Excludes lighting fixtures.		
26 56	13 00-0178		<b>Steel Area Light Poles</b> (26 56 13 00-0177) Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56	13 00-0179		<b>Round Straight, Steel Area Light Poles</b> (26 56 13 00-0178)		
26 56	13 00-0180		<b>Round Straight, Steel Area Light Poles, Anchor Base</b> (26 56 13 00-0179)		
26 56	13 00-0181	EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,201.48	215.33
			For Galvanized Finish, Add	23.12	
			For >10 To 20, Deduct	-41.60	
			For >20 To 40, Deduct	-75.49	
			For >40, Deduct	-158.69	
26 56	13 00-0182	EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,305.71	246.10
			For Galvanized Finish, Add	24.41	
			For >10 To 20, Deduct	-44.85	
			For >20 To 40, Deduct	-81.56	
			For >40, Deduct	-171.25	
26 56	13 00-0183	EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,459.05	276.86
			For Galvanized Finish, Add	27.16	
			For >10 To 20, Deduct	-50.06	
			For >20 To 40, Deduct	-91.06	
			For >40, Deduct	-191.17	
26 56	13 00-0184	EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,616.65	307.62
			For Galvanized Finish, Add	30.04	
			For >10 To 20, Deduct	-55.44	
			For >20 To 40, Deduct	-100.86	
			For >40, Deduct	-211.74	
26 56	13 00-0185	EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,720.88	338.38
			For Galvanized Finish, Add	31.32	
			For >10 To 20, Deduct	-58.68	
			For >20 To 40, Deduct	-106.93	
			For >40, Deduct	-224.29	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0186	EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,814.44	369.14
			<i>For Galvanized Finish, Add</i>	32.28	
			<i>For &gt;10 To 20, Deduct</i>	-61.50	
			<i>For &gt;20 To 40, Deduct</i>	-112.25	
			<i>For &gt;40, Deduct</i>	-235.25	
26 56	13 00-0187	EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,257.00	215.33
			<i>For Galvanized Finish, Add</i>	24.79	
			<i>For &gt;10 To 20, Deduct</i>	-43.82	
			<i>For &gt;20 To 40, Deduct</i>	-79.38	
			<i>For &gt;40, Deduct</i>	-167.02	
26 56	13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,363.36	246.10
			<i>For Galvanized Finish, Add</i>	26.14	
			<i>For &gt;10 To 20, Deduct</i>	-47.15	
			<i>For &gt;20 To 40, Deduct</i>	-85.59	
			<i>For &gt;40, Deduct</i>	-179.89	
26 56	13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,574.35	276.86
			<i>For Galvanized Finish, Add</i>	30.62	
			<i>For &gt;10 To 20, Deduct</i>	-54.67	
			<i>For &gt;20 To 40, Deduct</i>	-99.13	
			<i>For &gt;40, Deduct</i>	-208.47	
26 56	13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,691.39	307.62
			<i>For Galvanized Finish, Add</i>	32.28	
			<i>For &gt;10 To 20, Deduct</i>	-58.43	
			<i>For &gt;20 To 40, Deduct</i>	-106.09	
			<i>For &gt;40, Deduct</i>	-222.95	
26 56	13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,802.02	338.38
			<i>For Galvanized Finish, Add</i>	33.76	
			<i>For &gt;10 To 20, Deduct</i>	-61.93	
			<i>For &gt;20 To 40, Deduct</i>	-112.61	
			<i>For &gt;40, Deduct</i>	-236.47	
26 56	13 00-0192	EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,891.30	369.14
			<i>For Galvanized Finish, Add</i>	34.59	
			<i>For &gt;10 To 20, Deduct</i>	-64.58	
			<i>For &gt;20 To 40, Deduct</i>	-117.63	
			<i>For &gt;40, Deduct</i>	-246.78	
26 56	13 00-0193	EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,216.40	492.19
			<i>For Galvanized Finish, Add</i>	36.96	
			<i>For &gt;10 To 20, Deduct</i>	-73.89	
			<i>For &gt;20 To 40, Deduct</i>	-135.46	
			<i>For &gt;40, Deduct</i>	-283.24	
26 56	13 00-0194	EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,257.00	215.33
			<i>For Galvanized Finish, Add</i>	24.79	
			<i>For &gt;10 To 20, Deduct</i>	-43.82	
			<i>For &gt;20 To 40, Deduct</i>	-79.38	
			<i>For &gt;40, Deduct</i>	-167.02	
26 56	13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,369.76	246.10
			<i>For Galvanized Finish, Add</i>	26.33	
			<i>For &gt;10 To 20, Deduct</i>	-47.41	
			<i>For &gt;20 To 40, Deduct</i>	-86.04	
			<i>For &gt;40, Deduct</i>	-180.85	
26 56	13 00-0196	EA	14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,608.51	276.86
			<i>For Galvanized Finish, Add</i>	31.64	
			<i>For &gt;10 To 20, Deduct</i>	-56.03	
			<i>For &gt;20 To 40, Deduct</i>	-101.52	
			<i>For &gt;40, Deduct</i>	-213.59	
26 56	13 00-0197	EA	16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,697.79	307.62
			<i>For Galvanized Finish, Add</i>	32.48	
			<i>For &gt;10 To 20, Deduct</i>	-58.68	
			<i>For &gt;20 To 40, Deduct</i>	-106.54	
			<i>For &gt;40, Deduct</i>	-223.91	
26 56	13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,802.02	338.38
			<i>For Galvanized Finish, Add</i>	33.76	
			<i>For &gt;10 To 20, Deduct</i>	-61.93	
			<i>For &gt;20 To 40, Deduct</i>	-112.61	
			<i>For &gt;40, Deduct</i>	-236.47	
26 56	13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,891.30	369.14
			<i>For Galvanized Finish, Add</i>	34.59	
			<i>For &gt;10 To 20, Deduct</i>	-64.58	
			<i>For &gt;20 To 40, Deduct</i>	-117.63	
			<i>For &gt;40, Deduct</i>	-246.78	
26 56	13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,276.18	492.19
			<i>For Galvanized Finish, Add</i>	38.75	
			<i>For &gt;10 To 20, Deduct</i>	-76.28	
			<i>For &gt;20 To 40, Deduct</i>	-139.65	
			<i>For &gt;40, Deduct</i>	-292.21	
26 56	13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,510.26	553.72
			<i>For Galvanized Finish, Add</i>	42.08	
			<i>For &gt;10 To 20, Deduct</i>	-83.80	
			<i>For &gt;20 To 40, Deduct</i>	-153.57	
			<i>For &gt;40, Deduct</i>	-321.17	
26 56	13 00-0202	EA	20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,027.96	369.14
			<i>For Galvanized Finish, Add</i>	38.69	
			<i>For &gt;10 To 20, Deduct</i>	-70.04	
			<i>For &gt;20 To 40, Deduct</i>	-127.19	
			<i>For &gt;40, Deduct</i>	-267.28	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0203 EA 25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,303.94	492.19
For Galvanized Finish, Add	39.59	
For >10 To 20, Deduct	-77.39	
For >20 To 40, Deduct	-141.59	
For >40, Deduct	-296.37	
26 56 13 00-0204 EA 30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,563.64	553.72
For Galvanized Finish, Add	43.69	
For >10 To 20, Deduct	-85.93	
For >20 To 40, Deduct	-157.31	
For >40, Deduct	-329.17	
<b>26 56 13 00-0205 Round Tapered, Steel Area Light Poles (26 56 13 00-0178)</b>		
<b>26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base (26 56 13 00-0205)</b>		
26 56 13 00-0207 EA 20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	2,510.51	369.14
For Galvanized Finish, Add	53.17	
For >10 To 20, Deduct	-89.35	
For >20 To 40, Deduct	-160.97	
For >40, Deduct	-339.66	
26 56 13 00-0208 EA 20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	2,576.71	369.14
For Galvanized Finish, Add	55.15	
For >10 To 20, Deduct	-91.99	
For >20 To 40, Deduct	-165.60	
For >40, Deduct	-349.59	
26 56 13 00-0209 EA 25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	2,967.99	492.19
For Galvanized Finish, Add	59.51	
For >10 To 20, Deduct	-103.95	
For >20 To 40, Deduct	-188.07	
For >40, Deduct	-395.98	
26 56 13 00-0210 EA 25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	3,104.64	492.19
For Galvanized Finish, Add	63.61	
For >10 To 20, Deduct	-109.42	
For >20 To 40, Deduct	-197.64	
For >40, Deduct	-416.48	
26 56 13 00-0211 EA 30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	3,304.56	553.72
For Galvanized Finish, Add	65.91	
For >10 To 20, Deduct	-115.57	
For >20 To 40, Deduct	-209.17	
For >40, Deduct	-440.31	
26 56 13 00-0212 EA 30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	3,533.03	553.72
For Galvanized Finish, Add	72.77	
For >10 To 20, Deduct	-124.71	
For >20 To 40, Deduct	-225.16	
For >40, Deduct	-474.58	
26 56 13 00-0213 EA 35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	3,641.53	584.48
For Galvanized Finish, Add	74.18	
For >10 To 20, Deduct	-128.13	
For >20 To 40, Deduct	-231.53	
For >40, Deduct	-487.78	
26 56 13 00-0214 EA 35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	3,782.46	584.48
For Galvanized Finish, Add	78.41	
For >10 To 20, Deduct	-133.76	
For >20 To 40, Deduct	-241.39	
For >40, Deduct	-508.92	
26 56 13 00-0215 EA 35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	4,119.82	584.48
For Galvanized Finish, Add	88.53	
For >10 To 20, Deduct	-147.26	
For >20 To 40, Deduct	-265.01	
For >40, Deduct	-559.53	
26 56 13 00-0216 EA 39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	4,155.72	615.24
For Galvanized Finish, Add	87.76	
For >10 To 20, Deduct	-147.77	
For >20 To 40, Deduct	-266.29	
For >40, Deduct	-561.83	
26 56 13 00-0217 EA 39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	4,215.50	615.24
For Galvanized Finish, Add	89.55	
For >10 To 20, Deduct	-150.16	
For >20 To 40, Deduct	-270.48	
For >40, Deduct	-570.80	
26 56 13 00-0218 EA 45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	5,735.52	799.81
For Galvanized Finish, Add	124.08	
For >10 To 20, Deduct	-205.43	
For >20 To 40, Deduct	-369.49	
For >40, Deduct	-780.35	
26 56 13 00-0219 EA 50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	5,968.81	922.86
For Galvanized Finish, Add	123.69	
For >10 To 20, Deduct	-211.07	
For >20 To 40, Deduct	-380.90	
For >40, Deduct	-803.04	
26 56 13 00-0220 EA 25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	4,031.32	492.19
For Galvanized Finish, Add	91.41	
For >10 To 20, Deduct	-146.49	
For >20 To 40, Deduct	-262.50	
For >40, Deduct	-555.48	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0221	EA		30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,577.15	553.72
			<i>For Galvanized Finish, Add</i>	104.09	
			<i>For &gt;10 To 20, Deduct</i>	-166.47	
			<i>For &gt;20 To 40, Deduct</i>	-298.25	
			<i>For &gt;40, Deduct</i>	-631.20	
26 56 13 00-0222	EA		39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	5,306.60	615.24
			<i>For Galvanized Finish, Add</i>	122.28	
			<i>For &gt;10 To 20, Deduct</i>	-193.81	
			<i>For &gt;20 To 40, Deduct</i>	-346.85	
			<i>For &gt;40, Deduct</i>	-734.47	
26 56 13 00-0223	EA		45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	6,401.71	799.81
			<i>For Galvanized Finish, Add</i>	144.06	
			<i>For &gt;10 To 20, Deduct</i>	-232.07	
			<i>For &gt;20 To 40, Deduct</i>	-416.13	
			<i>For &gt;40, Deduct</i>	-880.28	
26 56 13 00-0224	EA		50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	7,472.00	922.86
			<i>For Galvanized Finish, Add</i>	168.79	
			<i>For &gt;10 To 20, Deduct</i>	-271.19	
			<i>For &gt;20 To 40, Deduct</i>	-486.13	
			<i>For &gt;40, Deduct</i>	-1,028.51	
26 56 13 00-0225	EA		50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	8,341.03	922.86
			<i>For Galvanized Finish, Add</i>	194.86	
			<i>For &gt;10 To 20, Deduct</i>	-305.96	
			<i>For &gt;20 To 40, Deduct</i>	-546.96	
			<i>For &gt;40, Deduct</i>	-1,158.87	
26 56 13 00-0226	EA		50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	11,244.91	922.86
			<i>For Galvanized Finish, Add</i>	281.98	
			<i>For &gt;10 To 20, Deduct</i>	-422.11	
			<i>For &gt;20 To 40, Deduct</i>	-750.23	
			<i>For &gt;40, Deduct</i>	-1,594.45	
26 56 13 00-0227	EA		50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	12,654.15	922.86
			<i>For Galvanized Finish, Add</i>	324.25	
			<i>For &gt;10 To 20, Deduct</i>	-478.48	
			<i>For &gt;20 To 40, Deduct</i>	-848.88	
			<i>For &gt;40, Deduct</i>	-1,805.84	
26 56 13 00-0228			Square Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0229			Square Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0228)</small>		
26 56 13 00-0230	EA		10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,184.40	215.33
			<i>For Galvanized Finish, Add</i>	22.61	
			<i>For &gt;10 To 20, Deduct</i>	-40.92	
			<i>For &gt;20 To 40, Deduct</i>	-74.29	
			<i>For &gt;40, Deduct</i>	-156.13	
26 56 13 00-0231	EA		12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,245.92	246.10
			<i>For Galvanized Finish, Add</i>	22.61	
			<i>For &gt;10 To 20, Deduct</i>	-42.45	
			<i>For &gt;20 To 40, Deduct</i>	-77.37	
			<i>For &gt;40, Deduct</i>	-162.28	
26 56 13 00-0232	EA		14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,343.75	276.86
			<i>For Galvanized Finish, Add</i>	23.70	
			<i>For &gt;10 To 20, Deduct</i>	-45.44	
			<i>For &gt;20 To 40, Deduct</i>	-82.99	
			<i>For &gt;40, Deduct</i>	-173.88	
26 56 13 00-0233	EA		15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,425.75	292.24
			<i>For Galvanized Finish, Add</i>	25.24	
			<i>For &gt;10 To 20, Deduct</i>	-48.26	
			<i>For &gt;20 To 40, Deduct</i>	-88.11	
			<i>For &gt;40, Deduct</i>	-184.64	
26 56 13 00-0234	EA		16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,456.51	307.62
			<i>For Galvanized Finish, Add</i>	25.24	
			<i>For &gt;10 To 20, Deduct</i>	-49.03	
			<i>For &gt;20 To 40, Deduct</i>	-89.65	
			<i>For &gt;40, Deduct</i>	-187.71	
26 56 13 00-0235	EA		18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,541.52	338.38
			<i>For Galvanized Finish, Add</i>	25.94	
			<i>For &gt;10 To 20, Deduct</i>	-51.51	
			<i>For &gt;20 To 40, Deduct</i>	-94.37	
			<i>For &gt;40, Deduct</i>	-197.39	
26 56 13 00-0236	EA		20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,622.27	369.14
			<i>For Galvanized Finish, Add</i>	26.52	
			<i>For &gt;10 To 20, Deduct</i>	-53.82	
			<i>For &gt;20 To 40, Deduct</i>	-98.79	
			<i>For &gt;40, Deduct</i>	-206.43	
26 56 13 00-0237	EA		25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,996.47	492.19
			<i>For Galvanized Finish, Add</i>	30.36	
			<i>For &gt;10 To 20, Deduct</i>	-65.09	
			<i>For &gt;20 To 40, Deduct</i>	-120.07	
			<i>For &gt;40, Deduct</i>	-250.25	
26 56 13 00-0238	EA		20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,910.52	369.14
			<i>For Galvanized Finish, Add</i>	35.17	
			<i>For &gt;10 To 20, Deduct</i>	-65.35	
			<i>For &gt;20 To 40, Deduct</i>	-118.97	
			<i>For &gt;40, Deduct</i>	-249.66	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0239 EA 25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,393.62 42.28 -80.98 -147.87 -309.82	492.19
26 56 13 00-0240 EA 30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,749.41 49.26 -93.36 -170.31 -357.04	553.72
26 56 13 00-0241 EA 20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,831.52 32.80 -62.19 -113.44 -237.81	369.14
26 56 13 00-0242 EA 25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,239.88 37.67 -74.83 -137.10 -286.76	492.19
26 56 13 00-0243 EA 30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,617.02 45.29 -88.07 -161.04 -337.18	553.72
26 56 13 00-0244 EA 20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,102.69 40.93 -73.03 -132.42 -278.49	369.14
26 56 13 00-0245 EA 25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,585.79 48.04 -88.67 -161.32 -338.65	492.19
26 56 13 00-0246 EA 30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,930.90 54.70 -100.62 -183.01 -384.26	553.72
26 56 13 00-0247 EA 35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,257.20 62.65 -112.75 -204.62 -430.13	584.48
26 56 13 00-0248 EA 30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,351.54 67.32 -117.45 -212.46 -447.36	553.72
26 56 13 00-0249 EA 35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,679.97 75.33 -129.66 -234.22 -493.55	584.48
26 56 13 00-0250 EA 40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,893.09 79.88 -137.27 -247.91 -522.44	615.24
<b>26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles</b> <small>(26 56 13 00-0178)</small>		
<b>26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0251)</small>		
26 56 13 00-0253 EA 20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,278.91 106.22 -160.08 -284.76 -604.92	369.14
26 56 13 00-0254 EA 25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,765.74 113.44 -175.86 -313.91 -665.64	492.19
26 56 13 00-0255 EA 30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	6,687.49 167.40 -250.89 -445.98 -947.75	553.72
26 56 13 00-0256 EA 20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,365.22 108.81 -163.53 -290.80 -617.87	369.14

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0257	EA		25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	5,267.65	492.19
			<i>For Galvanized Finish, Add</i>	128.50	
			<i>For &gt;10 To 20, Deduct</i>	-195.94	
			<i>For &gt;20 To 40, Deduct</i>	-349.05	
			<i>For &gt;40, Deduct</i>	-740.93	
26 56 13 00-0258	EA		30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	7,434.68	553.72
			<i>For Galvanized Finish, Add</i>	189.82	
			<i>For &gt;10 To 20, Deduct</i>	-280.78	
			<i>For &gt;20 To 40, Deduct</i>	-498.28	
			<i>For &gt;40, Deduct</i>	-1,059.83	
26 56 13 00-0259	EA		35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	8,538.64	584.48
			<i>For Galvanized Finish, Add</i>	221.09	
			<i>For &gt;10 To 20, Deduct</i>	-324.01	
			<i>For &gt;20 To 40, Deduct</i>	-574.33	
			<i>For &gt;40, Deduct</i>	-1,222.35	
26 56 13 00-0260	EA		39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	10,046.84	615.24
			<i>For Galvanized Finish, Add</i>	264.49	
			<i>For &gt;10 To 20, Deduct</i>	-383.42	
			<i>For &gt;20 To 40, Deduct</i>	-678.67	
			<i>For &gt;40, Deduct</i>	-1,445.50	
26 56 13 00-0261	EA		20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	4,142.65	369.14
			<i>For Galvanized Finish, Add</i>	102.13	
			<i>For &gt;10 To 20, Deduct</i>	-154.63	
			<i>For &gt;20 To 40, Deduct</i>	-275.22	
			<i>For &gt;40, Deduct</i>	-584.48	
26 56 13 00-0262	EA		25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	4,547.72	492.19
			<i>For Galvanized Finish, Add</i>	106.90	
			<i>For &gt;10 To 20, Deduct</i>	-167.14	
			<i>For &gt;20 To 40, Deduct</i>	-298.65	
			<i>For &gt;40, Deduct</i>	-632.94	
26 56 13 00-0263	EA		30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	6,303.68	553.72
			<i>For Galvanized Finish, Add</i>	155.89	
			<i>For &gt;10 To 20, Deduct</i>	-235.54	
			<i>For &gt;20 To 40, Deduct</i>	-419.11	
			<i>For &gt;40, Deduct</i>	-890.18	
26 56 13 00-0264	EA		20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	4,299.35	369.14
			<i>For Galvanized Finish, Add</i>	106.83	
			<i>For &gt;10 To 20, Deduct</i>	-160.90	
			<i>For &gt;20 To 40, Deduct</i>	-286.19	
			<i>For &gt;40, Deduct</i>	-607.99	
26 56 13 00-0265	EA		25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	5,063.25	492.19
			<i>For Galvanized Finish, Add</i>	122.37	
			<i>For &gt;10 To 20, Deduct</i>	-187.76	
			<i>For &gt;20 To 40, Deduct</i>	-334.74	
			<i>For &gt;40, Deduct</i>	-710.27	
26 56 13 00-0266	EA		30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base .....	7,150.79	553.72
			<i>For Galvanized Finish, Add</i>	181.30	
			<i>For &gt;10 To 20, Deduct</i>	-269.42	
			<i>For &gt;20 To 40, Deduct</i>	-478.41	
			<i>For &gt;40, Deduct</i>	-1,017.25	
26 56 13 00-0267	EA		20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	4,540.09	369.14
			<i>For Galvanized Finish, Add</i>	114.05	
			<i>For &gt;10 To 20, Deduct</i>	-170.53	
			<i>For &gt;20 To 40, Deduct</i>	-303.04	
			<i>For &gt;40, Deduct</i>	-644.10	
26 56 13 00-0268	EA		25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	5,497.03	492.19
			<i>For Galvanized Finish, Add</i>	135.38	
			<i>For &gt;10 To 20, Deduct</i>	-205.12	
			<i>For &gt;20 To 40, Deduct</i>	-365.10	
			<i>For &gt;40, Deduct</i>	-775.34	
26 56 13 00-0269	EA		30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	7,661.79	553.72
			<i>For Galvanized Finish, Add</i>	196.63	
			<i>For &gt;10 To 20, Deduct</i>	-289.86	
			<i>For &gt;20 To 40, Deduct</i>	-514.18	
			<i>For &gt;40, Deduct</i>	-1,093.90	
26 56 13 00-0270	EA		35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	8,815.71	584.48
			<i>For Galvanized Finish, Add</i>	229.40	
			<i>For &gt;10 To 20, Deduct</i>	-335.09	
			<i>For &gt;20 To 40, Deduct</i>	-593.72	
			<i>For &gt;40, Deduct</i>	-1,263.91	
26 56 13 00-0271	EA		39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	10,194.46	615.24
			<i>For Galvanized Finish, Add</i>	268.92	
			<i>For &gt;10 To 20, Deduct</i>	-389.32	
			<i>For &gt;20 To 40, Deduct</i>	-689.00	
			<i>For &gt;40, Deduct</i>	-1,467.65	
26 56 13 00-0272			Square Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0273			Square Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0272)</small>		
26 56 13 00-0274	EA		20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,230.08	369.14
			<i>For Galvanized Finish, Add</i>	74.75	
			<i>For &gt;10 To 20, Deduct</i>	-118.13	
			<i>For &gt;20 To 40, Deduct</i>	-211.34	
			<i>For &gt;40, Deduct</i>	-447.60	





<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0275	EA		25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,916.02	492.19
			<i>For Galvanized Finish, Add</i>	87.95	
			<i>For &gt;10 To 20, Deduct</i>	-141.88	
			<i>For &gt;20 To 40, Deduct</i>	-254.43	
			<i>For &gt;40, Deduct</i>	-538.18	
26 56 13 00-0276	EA		30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,357.22	553.72
			<i>For Galvanized Finish, Add</i>	97.49	
			<i>For &gt;10 To 20, Deduct</i>	-157.68	
			<i>For &gt;20 To 40, Deduct</i>	-282.86	
			<i>For &gt;40, Deduct</i>	-598.21	
26 56 13 00-0277	EA		35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,839.39	584.48
			<i>For Galvanized Finish, Add</i>	110.11	
			<i>For &gt;10 To 20, Deduct</i>	-176.04	
			<i>For &gt;20 To 40, Deduct</i>	-315.38	
			<i>For &gt;40, Deduct</i>	-667.46	
26 56 13 00-0278	EA		39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,101.62	615.24
			<i>For Galvanized Finish, Add</i>	116.13	
			<i>For &gt;10 To 20, Deduct</i>	-185.61	
			<i>For &gt;20 To 40, Deduct</i>	-332.50	
			<i>For &gt;40, Deduct</i>	-703.72	
26 56 13 00-0279	EA		20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	4,188.79	369.14
			<i>For Galvanized Finish, Add</i>	103.52	
			<i>For &gt;10 To 20, Deduct</i>	-156.48	
			<i>For &gt;20 To 40, Deduct</i>	-278.45	
			<i>For &gt;40, Deduct</i>	-591.40	
26 56 13 00-0280	EA		25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	4,667.62	492.19
			<i>For Galvanized Finish, Add</i>	110.50	
			<i>For &gt;10 To 20, Deduct</i>	-171.94	
			<i>For &gt;20 To 40, Deduct</i>	-307.05	
			<i>For &gt;40, Deduct</i>	-650.92	
26 56 13 00-0281	EA		30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	4,972.16	553.72
			<i>For Galvanized Finish, Add</i>	115.94	
			<i>For &gt;10 To 20, Deduct</i>	-182.27	
			<i>For &gt;20 To 40, Deduct</i>	-325.90	
			<i>For &gt;40, Deduct</i>	-690.45	
26 56 13 00-0282	EA		30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	5,535.86	553.72
			<i>For Galvanized Finish, Add</i>	132.85	
			<i>For &gt;10 To 20, Deduct</i>	-204.82	
			<i>For &gt;20 To 40, Deduct</i>	-365.36	
			<i>For &gt;40, Deduct</i>	-775.01	
26 56 13 00-0283	EA		35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	6,003.08	584.48
			<i>For Galvanized Finish, Add</i>	145.02	
			<i>For &gt;10 To 20, Deduct</i>	-222.59	
			<i>For &gt;20 To 40, Deduct</i>	-396.84	
			<i>For &gt;40, Deduct</i>	-842.01	
26 56 13 00-0284	EA		35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	6,701.29	584.48
			<i>For Galvanized Finish, Add</i>	165.97	
			<i>For &gt;10 To 20, Deduct</i>	-250.52	
			<i>For &gt;20 To 40, Deduct</i>	-445.71	
			<i>For &gt;40, Deduct</i>	-946.75	
26 56 13 00-0285	EA		39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	6,096.62	615.24
			<i>For Galvanized Finish, Add</i>	145.98	
			<i>For &gt;10 To 20, Deduct</i>	-225.41	
			<i>For &gt;20 To 40, Deduct</i>	-402.15	
			<i>For &gt;40, Deduct</i>	-852.97	
26 56 13 00-0286	EA		39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	7,815.47	615.24
			<i>For Galvanized Finish, Add</i>	197.55	
			<i>For &gt;10 To 20, Deduct</i>	-294.16	
			<i>For &gt;20 To 40, Deduct</i>	-522.47	
			<i>For &gt;40, Deduct</i>	-1,110.80	
26 56 13 00-0287	EA		45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	7,189.60	799.81
			<i>For Galvanized Finish, Add</i>	167.70	
			<i>For &gt;10 To 20, Deduct</i>	-263.59	
			<i>For &gt;20 To 40, Deduct</i>	-471.28	
			<i>For &gt;40, Deduct</i>	-998.46	
26 56 13 00-0288	EA		45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	8,361.83	799.81
			<i>For Galvanized Finish, Add</i>	202.87	
			<i>For &gt;10 To 20, Deduct</i>	-310.48	
			<i>For &gt;20 To 40, Deduct</i>	-553.34	
			<i>For &gt;40, Deduct</i>	-1,174.29	
26 56 13 00-0289	EA		50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	8,667.72	922.86
			<i>For Galvanized Finish, Add</i>	204.66	
			<i>For &gt;10 To 20, Deduct</i>	-319.02	
			<i>For &gt;20 To 40, Deduct</i>	-569.83	
			<i>For &gt;40, Deduct</i>	-1,207.87	

<b>26 56 13 00-0290</b>	<b>Factory Accessories For Steel Area Light Poles</b> <small>(26 56 13 00-0178)</small>
26 56 13 00-0291	EA 1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles..... 75.70
26 56 13 00-0292	EA Extra Handhole For Steel Area Light Poles ..... 112.58
26 56 13 00-0293	EA Vibration Dampener For Steel Area Light Poles ..... 114.52

**26 56 13 00-0294** **Aluminum Area Light Poles** (26 56 13 00-0177)  
 Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0295	Round Straight, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0296	Round Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0295)</small>		
26 56 13 00-0297	EA 8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....	706.59	184.57
	For Bronze Or Satin Anodized Finish, Add	33.75	
	For Black Anodized Finish, Add	67.49	
	For >10 To 20, Deduct	-22.73	
	For >20 To 40, Deduct	-42.08	
	For >40, Deduct	-87.53	
26 56 13 00-0298	EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....	785.43	215.33
	For Bronze Or Satin Anodized Finish, Add	35.48	
	For Black Anodized Finish, Add	70.95	
	For >10 To 20, Deduct	-24.96	
	For >20 To 40, Deduct	-46.37	
	For >40, Deduct	-96.28	
26 56 13 00-0299	EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....	868.58	246.10
	For Bronze Or Satin Anodized Finish, Add	37.64	
	For Black Anodized Finish, Add	75.28	
	For >10 To 20, Deduct	-27.36	
	For >20 To 40, Deduct	-50.96	
	For >40, Deduct	-105.68	
26 56 13 00-0300	EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....	952.60	276.86
	For Bronze Or Satin Anodized Finish, Add	39.89	
	For Black Anodized Finish, Add	79.78	
	For >10 To 20, Deduct	-29.80	
	For >20 To 40, Deduct	-55.61	
	For >40, Deduct	-115.20	
26 56 13 00-0301	EA 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....	998.07	292.24
	For Bronze Or Satin Anodized Finish, Add	41.36	
	For Black Anodized Finish, Add	82.72	
	For >10 To 20, Deduct	-31.16	
	For >20 To 40, Deduct	-58.18	
	For >40, Deduct	-120.49	
26 56 13 00-0302	EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,042.68	307.62
	For Bronze Or Satin Anodized Finish, Add	42.74	
	For Black Anodized Finish, Add	85.49	
	For >10 To 20, Deduct	-32.48	
	For >20 To 40, Deduct	-60.68	
	For >40, Deduct	-125.64	
26 56 13 00-0303	EA 16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,094.59	307.62
	For Bronze Or Satin Anodized Finish, Add	47.94	
	For Black Anodized Finish, Add	95.87	
	For >10 To 20, Deduct	-34.56	
	For >20 To 40, Deduct	-64.32	
	For >40, Deduct	-133.43	
26 56 13 00-0304	EA 18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,188.99	338.38
	For Bronze Or Satin Anodized Finish, Add	51.22	
	For Black Anodized Finish, Add	102.45	
	For >10 To 20, Deduct	-37.41	
	For >20 To 40, Deduct	-69.69	
	For >40, Deduct	-144.51	
26 56 13 00-0305	EA 20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,278.21	369.14
	For Bronze Or Satin Anodized Finish, Add	53.99	
	For Black Anodized Finish, Add	107.98	
	For >10 To 20, Deduct	-40.05	
	For >20 To 40, Deduct	-74.71	
	For >40, Deduct	-154.82	
26 56 13 00-0306	EA 15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,189.30	292.24
	For Bronze Or Satin Anodized Finish, Add	60.48	
	For Black Anodized Finish, Add	120.96	
	For >10 To 20, Deduct	-38.80	
	For >20 To 40, Deduct	-71.56	
	For >40, Deduct	-149.17	
26 56 13 00-0307	EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,469.43	369.14
	For Bronze Or Satin Anodized Finish, Add	73.11	
	For Black Anodized Finish, Add	146.23	
	For >10 To 20, Deduct	-47.70	
	For >20 To 40, Deduct	-88.09	
	For >40, Deduct	-183.50	
26 56 13 00-0308	EA 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,566.34	369.14
	For Bronze Or Satin Anodized Finish, Add	82.81	
	For Black Anodized Finish, Add	165.61	
	For >10 To 20, Deduct	-51.58	
	For >20 To 40, Deduct	-94.88	
	For >40, Deduct	-198.04	
26 56 13 00-0309	EA 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,903.29	492.19
	For Bronze Or Satin Anodized Finish, Add	91.89	
	For Black Anodized Finish, Add	183.78	
	For >10 To 20, Deduct	-61.37	
	For >20 To 40, Deduct	-113.54	
	For >40, Deduct	-236.27	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0310	EA		30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,198.52 109.11 218.22 -71.33 -131.75 -274.41	553.72
26 56 13 00-0311	EA		20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,337.92 59.96 119.93 -42.44 -78.89 -163.77	369.14
26 56 13 00-0312	EA		20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,558.56 82.03 164.05 -51.27 -94.33 -196.87	369.14
26 56 13 00-0313	EA		25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,889.44 90.51 181.01 -60.81 -112.57 -234.20	492.19
26 56 13 00-0314	EA		25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,014.90 103.05 206.10 -65.83 -121.36 -253.02	492.19
26 56 13 00-0315	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,340.43 123.30 246.60 -77.01 -141.68 -295.69	553.72
<b>26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base</b> <small>(26 56 13 00-0295)</small>					
26 56 13 00-0317	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	794.85 63.86 -26.26 -48.26 -100.77	184.57
26 56 13 00-0318	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	890.99 69.05 -29.18 -53.76 -112.12	215.33
26 56 13 00-0319	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	983.66 73.72 -31.96 -59.01 -122.94	246.10
26 56 13 00-0320	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,059.90 75.93 -34.09 -63.12 -131.30	276.86
26 56 13 00-0321	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,146.51 79.69 -36.63 -67.95 -141.21	307.62
26 56 13 00-0322	EA		10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	909.16 71.77 -29.91 -55.03 -114.84	215.33
26 56 13 00-0323	EA		12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,000.10 76.19 -32.62 -60.16 -125.41	246.10
26 56 13 00-0324	EA		14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,093.64 80.99 -35.44 -65.48 -136.36	276.86
26 56 13 00-0325	EA		16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,186.31 85.66 -38.22 -70.74 -147.18	307.62

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0326	EA	18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,283.31 90.98 -41.18 -76.30 -158.66	338.38
26 56	13 00-0327	EA	20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,375.12 95.52 -43.93 -81.49 -169.35	369.14
26 56	13 00-0328	EA	12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,033.84 81.25 -33.97 -62.53 -130.47	246.10
26 56	13 00-0329	EA	14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,133.44 86.96 -37.03 -68.27 -142.33	276.86
26 56	13 00-0330	EA	16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,232.17 92.54 -40.06 -73.95 -154.06	307.62
26 56	13 00-0331	EA	18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,332.63 98.38 -43.15 -79.75 -166.06	338.38
26 56	13 00-0332	EA	16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,280.62 99.81 -42.00 -77.34 -161.33	307.62
26 56	13 00-0333	EA	20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,488.47 112.53 -48.46 -89.43 -186.36	369.14
26 56	13 00-0334	EA	12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,065.86 86.05 -35.25 -64.77 -135.27	246.10
26 56	13 00-0335	EA	14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,174.98 93.19 -38.69 -71.17 -148.56	276.86
26 56	13 00-0336	EA	16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,275.43 99.03 -41.79 -76.98 -160.55	307.62
26 56	13 00-0337	EA	18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,381.08 105.65 -45.09 -83.14 -173.32	338.38
26 56	13 00-0338	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,484.14 111.88 -48.29 -89.12 -185.71	369.14
26 56	13 00-0339	EA	16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,338.60 108.50 -44.32 -81.40 -170.03	307.62
26 56	13 00-0340	EA	18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,452.03 116.29 -47.93 -88.11 -183.97	338.38
26 56	13 00-0341	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,510.97 115.90 -49.36 -91.00 -189.73	369.14

26 56 13 00-0342 Round Straight, Aluminum Area Light Poles, Direct Burial (26 56 13 00-02 95)  
 Note: Includes rubberized undercoating on embedded portion.



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0343	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial .....	626.04	153.81
			<i>For Bronze Or Satin Anodized Finish, Add</i>	31.84	
			<i>For Black Anodized Finish, Add</i>	63.68	
			<i>For &gt;10 To 20, Deduct</i>	-20.43	
			<i>For &gt;20 To 40, Deduct</i>	-37.67	
			<i>For &gt;40, Deduct</i>	-78.53	
26 56 13 00-0344	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial .....	673.24	169.19
			<i>For Bronze Or Satin Anodized Finish, Add</i>	33.49	
			<i>For Black Anodized Finish, Add</i>	66.97	
			<i>For &gt;10 To 20, Deduct</i>	-21.85	
			<i>For &gt;20 To 40, Deduct</i>	-40.36	
			<i>For &gt;40, Deduct</i>	-84.07	
26 56 13 00-0345	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial .....	742.93	184.57
			<i>For Bronze Or Satin Anodized Finish, Add</i>	37.38	
			<i>For Black Anodized Finish, Add</i>	74.76	
			<i>For &gt;10 To 20, Deduct</i>	-24.18	
			<i>For &gt;20 To 40, Deduct</i>	-44.62	
			<i>For &gt;40, Deduct</i>	-92.98	
26 56 13 00-0346	EA		15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial .....	762.83	184.57
			<i>For Bronze Or Satin Anodized Finish, Add</i>	39.37	
			<i>For Black Anodized Finish, Add</i>	78.74	
			<i>For &gt;10 To 20, Deduct</i>	-24.98	
			<i>For &gt;20 To 40, Deduct</i>	-46.02	
			<i>For &gt;40, Deduct</i>	-95.97	
26 56 13 00-0347	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial .....	787.93	184.57
			<i>For Bronze Or Satin Anodized Finish, Add</i>	41.88	
			<i>For Black Anodized Finish, Add</i>	83.76	
			<i>For &gt;10 To 20, Deduct</i>	-25.98	
			<i>For &gt;20 To 40, Deduct</i>	-47.77	
			<i>For &gt;40, Deduct</i>	-99.73	
26 56 13 00-0348	EA		18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial .....	894.84	199.95
			<i>For Bronze Or Satin Anodized Finish, Add</i>	49.49	
			<i>For Black Anodized Finish, Add</i>	98.99	
			<i>For &gt;10 To 20, Deduct</i>	-29.79	
			<i>For &gt;20 To 40, Deduct</i>	-54.64	
			<i>For &gt;40, Deduct</i>	-114.23	
26 56 13 00-0349	EA		20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial .....	957.61	215.33
			<i>For Bronze Or Satin Anodized Finish, Add</i>	52.69	
			<i>For Black Anodized Finish, Add</i>	105.39	
			<i>For &gt;10 To 20, Deduct</i>	-31.84	
			<i>For &gt;20 To 40, Deduct</i>	-58.42	
			<i>For &gt;40, Deduct</i>	-122.11	
26 56 13 00-0350	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial .....	1,091.73	215.33
			<i>For Bronze Or Satin Anodized Finish, Add</i>	66.11	
			<i>For Black Anodized Finish, Add</i>	132.21	
			<i>For &gt;10 To 20, Deduct</i>	-37.21	
			<i>For &gt;20 To 40, Deduct</i>	-67.81	
			<i>For &gt;40, Deduct</i>	-142.23	
26 56 13 00-0351	EA		25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial .....	1,325.44	246.10
			<i>For Bronze Or Satin Anodized Finish, Add</i>	83.33	
			<i>For Black Anodized Finish, Add</i>	166.65	
			<i>For &gt;10 To 20, Deduct</i>	-45.63	
			<i>For &gt;20 To 40, Deduct</i>	-82.94	
			<i>For &gt;40, Deduct</i>	-174.21	
26 56 13 00-0352	EA		30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial .....	1,502.91	276.86
			<i>For Bronze Or Satin Anodized Finish, Add</i>	94.92	
			<i>For Black Anodized Finish, Add</i>	189.84	
			<i>For &gt;10 To 20, Deduct</i>	-51.81	
			<i>For &gt;20 To 40, Deduct</i>	-94.13	
			<i>For &gt;40, Deduct</i>	-197.75	
26 56 13 00-0353	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial .....	1,661.25	276.86
			<i>For Bronze Or Satin Anodized Finish, Add</i>	110.75	
			<i>For Black Anodized Finish, Add</i>	221.51	
			<i>For &gt;10 To 20, Deduct</i>	-58.14	
			<i>For &gt;20 To 40, Deduct</i>	-105.21	
			<i>For &gt;40, Deduct</i>	-221.50	
26 56 13 00-0354			Round Tapered, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0355			Round Tapered, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0354)</small>		
26 56 13 00-0356	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	614.01	184.57
			<i>For Bronze Or Satin Anodized Finish, Add</i>	24.49	
			<i>For Black Anodized Finish, Add</i>	48.97	
			<i>For &gt;10 To 20, Deduct</i>	-19.02	
			<i>For &gt;20 To 40, Deduct</i>	-35.60	
			<i>For &gt;40, Deduct</i>	-73.64	
26 56 13 00-0357	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	695.44	215.33
			<i>For Bronze Or Satin Anodized Finish, Add</i>	26.48	
			<i>For Black Anodized Finish, Add</i>	52.95	
			<i>For &gt;10 To 20, Deduct</i>	-21.36	
			<i>For &gt;20 To 40, Deduct</i>	-40.07	
			<i>For &gt;40, Deduct</i>	-82.78	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0358	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	776.86	246.10
			<i>For Bronze Or Satin Anodized Finish, Add</i>	28.47	
			<i>For Black Anodized Finish, Add</i>	56.93	
			<i>For &gt;10 To 20, Deduct</i>	-23.69	
			<i>For &gt;20 To 40, Deduct</i>	-44.54	
			<i>For &gt;40, Deduct</i>	-91.92	
26 56 13 00-0359	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	866.08	276.86
			<i>For Bronze Or Satin Anodized Finish, Add</i>	31.24	
			<i>For Black Anodized Finish, Add</i>	62.47	
			<i>For &gt;10 To 20, Deduct</i>	-26.34	
			<i>For &gt;20 To 40, Deduct</i>	-49.55	
			<i>For &gt;40, Deduct</i>	-102.23	
26 56 13 00-0360	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	954.42	307.62
			<i>For Bronze Or Satin Anodized Finish, Add</i>	33.92	
			<i>For Black Anodized Finish, Add</i>	67.84	
			<i>For &gt;10 To 20, Deduct</i>	-28.95	
			<i>For &gt;20 To 40, Deduct</i>	-54.50	
			<i>For &gt;40, Deduct</i>	-112.40	
26 56 13 00-0361	EA		10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	717.94	215.33
			<i>For Bronze Or Satin Anodized Finish, Add</i>	28.73	
			<i>For Black Anodized Finish, Add</i>	57.45	
			<i>For &gt;10 To 20, Deduct</i>	-22.26	
			<i>For &gt;20 To 40, Deduct</i>	-41.64	
			<i>For &gt;40, Deduct</i>	-86.16	
26 56 13 00-0362	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	812.34	246.10
			<i>For Bronze Or Satin Anodized Finish, Add</i>	32.02	
			<i>For Black Anodized Finish, Add</i>	64.03	
			<i>For &gt;10 To 20, Deduct</i>	-25.11	
			<i>For &gt;20 To 40, Deduct</i>	-47.02	
			<i>For &gt;40, Deduct</i>	-97.24	
26 56 13 00-0363	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	904.15	276.86
			<i>For Bronze Or Satin Anodized Finish, Add</i>	35.04	
			<i>For Black Anodized Finish, Add</i>	70.09	
			<i>For &gt;10 To 20, Deduct</i>	-27.86	
			<i>For &gt;20 To 40, Deduct</i>	-52.22	
			<i>For &gt;40, Deduct</i>	-107.94	
26 56 13 00-0364	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,081.70	338.38
			<i>For Bronze Or Satin Anodized Finish, Add</i>	40.49	
			<i>For Black Anodized Finish, Add</i>	80.99	
			<i>For &gt;10 To 20, Deduct</i>	-33.12	
			<i>For &gt;20 To 40, Deduct</i>	-62.18	
			<i>For &gt;40, Deduct</i>	-128.42	
26 56 13 00-0365	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,164.86	369.14
			<i>For Bronze Or Satin Anodized Finish, Add</i>	42.66	
			<i>For Black Anodized Finish, Add</i>	85.31	
			<i>For &gt;10 To 20, Deduct</i>	-35.52	
			<i>For &gt;20 To 40, Deduct</i>	-66.77	
			<i>For &gt;40, Deduct</i>	-137.81	
26 56 13 00-0366	EA		12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	844.35	246.10
			<i>For Bronze Or Satin Anodized Finish, Add</i>	35.22	
			<i>For Black Anodized Finish, Add</i>	70.43	
			<i>For &gt;10 To 20, Deduct</i>	-26.39	
			<i>For &gt;20 To 40, Deduct</i>	-49.26	
			<i>For &gt;40, Deduct</i>	-102.04	
26 56 13 00-0367	EA		14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	941.36	276.86
			<i>For Bronze Or Satin Anodized Finish, Add</i>	38.76	
			<i>For Black Anodized Finish, Add</i>	77.53	
			<i>For &gt;10 To 20, Deduct</i>	-29.35	
			<i>For &gt;20 To 40, Deduct</i>	-54.82	
			<i>For &gt;40, Deduct</i>	-113.52	
26 56 13 00-0368	EA		16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,044.41	307.62
			<i>For Bronze Or Satin Anodized Finish, Add</i>	42.92	
			<i>For Black Anodized Finish, Add</i>	85.83	
			<i>For &gt;10 To 20, Deduct</i>	-32.55	
			<i>For &gt;20 To 40, Deduct</i>	-60.80	
			<i>For &gt;40, Deduct</i>	-125.90	
26 56 13 00-0369	EA		18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,131.89	338.38
			<i>For Bronze Or Satin Anodized Finish, Add</i>	45.51	
			<i>For Black Anodized Finish, Add</i>	91.03	
			<i>For &gt;10 To 20, Deduct</i>	-35.12	
			<i>For &gt;20 To 40, Deduct</i>	-65.70	
			<i>For &gt;40, Deduct</i>	-135.95	
26 56 13 00-0370	EA		20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,231.49	369.14
			<i>For Bronze Or Satin Anodized Finish, Add</i>	49.32	
			<i>For Black Anodized Finish, Add</i>	98.64	
			<i>For &gt;10 To 20, Deduct</i>	-38.19	
			<i>For &gt;20 To 40, Deduct</i>	-71.44	
			<i>For &gt;40, Deduct</i>	-147.81	
26 56 13 00-0371	EA		16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,129.20	307.62
			<i>For Bronze Or Satin Anodized Finish, Add</i>	51.40	
			<i>For Black Anodized Finish, Add</i>	102.79	
			<i>For &gt;10 To 20, Deduct</i>	-35.94	
			<i>For &gt;20 To 40, Deduct</i>	-66.74	
			<i>For &gt;40, Deduct</i>	-138.62	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0372	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,240.04 56.33 112.66 -39.45 -73.27 -152.17	338.38
26 56	13 00-0373	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,315.42 57.71 115.43 -41.54 -77.31 -160.40	369.14
26 56	13 00-0374	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,515.48 65.41 130.83 -47.70 -88.86 -184.26	430.67
26 56	13 00-0375	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,720.72 73.63 147.27 -54.06 -100.76 -208.89	492.19
26 56	13 00-0376	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,324.84 64.81 129.62 -42.84 -79.20 -164.89	338.38
26 56	13 00-0377	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,418.38 68.01 136.02 -45.66 -84.52 -175.84	369.14
26 56	13 00-0378	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,596.81 73.55 147.09 -50.95 -94.55 -196.45	430.67
26 56	13 00-0379	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,783.02 79.86 159.73 -56.56 -105.12 -218.23	492.19
26 56	13 00-0380	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,914.63 86.87 173.74 -60.90 -113.11 -234.90	522.95
26 56	13 00-0381	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,047.97 94.05 188.11 -65.31 -121.21 -251.82	553.72
26 56	13 00-0382	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,677.28 81.59 163.19 -54.17 -100.18 -208.53	430.67
26 56	13 00-0383	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,836.66 85.23 170.46 -58.70 -108.88 -226.28	492.19
26 56	13 00-0384	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,972.60 92.67 185.34 -63.22 -117.16 -243.59	522.95
26 56	13 00-0385	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,137.95 103.05 206.10 -68.91 -127.51 -265.32	553.72

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0386	EA 33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,207.65	569.10
	<i>For Bronze Or Satin Anodized Finish, Add</i>	106.95	
	<i>For Black Anodized Finish, Add</i>	213.89	
	<i>For &gt;10 To 20, Deduct</i>	-71.23	
	<i>For &gt;20 To 40, Deduct</i>	-131.77	
	<i>For &gt;40, Deduct</i>	-274.24	
26 56 13 00-0387	EA 35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,343.12	584.48
	<i>For Bronze Or Satin Anodized Finish, Add</i>	117.42	
	<i>For Black Anodized Finish, Add</i>	234.83	
	<i>For &gt;10 To 20, Deduct</i>	-76.19	
	<i>For &gt;20 To 40, Deduct</i>	-140.64	
	<i>For &gt;40, Deduct</i>	-293.02	
26 56 13 00-0388	EA 12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	879.83	246.10
	<i>For Bronze Or Satin Anodized Finish, Add</i>	38.76	
	<i>For Black Anodized Finish, Add</i>	77.53	
	<i>For &gt;10 To 20, Deduct</i>	-27.81	
	<i>For &gt;20 To 40, Deduct</i>	-51.74	
	<i>For &gt;40, Deduct</i>	-107.37	
26 56 13 00-0389	EA 14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	982.89	276.86
	<i>For Bronze Or Satin Anodized Finish, Add</i>	42.92	
	<i>For Black Anodized Finish, Add</i>	85.83	
	<i>For &gt;10 To 20, Deduct</i>	-31.01	
	<i>For &gt;20 To 40, Deduct</i>	-57.73	
	<i>For &gt;40, Deduct</i>	-119.75	
26 56 13 00-0390	EA 16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,089.40	307.62
	<i>For Bronze Or Satin Anodized Finish, Add</i>	47.42	
	<i>For Black Anodized Finish, Add</i>	94.83	
	<i>For &gt;10 To 20, Deduct</i>	-34.35	
	<i>For &gt;20 To 40, Deduct</i>	-63.95	
	<i>For &gt;40, Deduct</i>	-132.65	
26 56 13 00-0391	EA 18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,186.40	338.38
	<i>For Bronze Or Satin Anodized Finish, Add</i>	50.96	
	<i>For Black Anodized Finish, Add</i>	101.93	
	<i>For &gt;10 To 20, Deduct</i>	-37.30	
	<i>For &gt;20 To 40, Deduct</i>	-69.51	
	<i>For &gt;40, Deduct</i>	-144.12	
26 56 13 00-0392	EA 20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,282.54	369.14
	<i>For Bronze Or Satin Anodized Finish, Add</i>	54.43	
	<i>For Black Anodized Finish, Add</i>	108.85	
	<i>For &gt;10 To 20, Deduct</i>	-40.23	
	<i>For &gt;20 To 40, Deduct</i>	-75.01	
	<i>For &gt;40, Deduct</i>	-155.47	
26 56 13 00-0393	EA 16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,183.72	307.62
	<i>For Bronze Or Satin Anodized Finish, Add</i>	56.85	
	<i>For Black Anodized Finish, Add</i>	113.70	
	<i>For &gt;10 To 20, Deduct</i>	-38.12	
	<i>For &gt;20 To 40, Deduct</i>	-70.56	
	<i>For &gt;40, Deduct</i>	-146.80	
26 56 13 00-0394	EA 18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,297.15	338.38
	<i>For Bronze Or Satin Anodized Finish, Add</i>	62.04	
	<i>For Black Anodized Finish, Add</i>	124.08	
	<i>For &gt;10 To 20, Deduct</i>	-41.73	
	<i>For &gt;20 To 40, Deduct</i>	-77.27	
	<i>For &gt;40, Deduct</i>	-160.73	
26 56 13 00-0395	EA 20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,383.77	369.14
	<i>For Bronze Or Satin Anodized Finish, Add</i>	64.55	
	<i>For Black Anodized Finish, Add</i>	129.10	
	<i>For &gt;10 To 20, Deduct</i>	-44.28	
	<i>For &gt;20 To 40, Deduct</i>	-82.10	
	<i>For &gt;40, Deduct</i>	-170.65	
26 56 13 00-0396	EA 23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,579.51	430.67
	<i>For Bronze Or Satin Anodized Finish, Add</i>	71.82	
	<i>For Black Anodized Finish, Add</i>	143.63	
	<i>For &gt;10 To 20, Deduct</i>	-50.26	
	<i>For &gt;20 To 40, Deduct</i>	-93.34	
	<i>For &gt;40, Deduct</i>	-193.86	
26 56 13 00-0397	EA 25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,780.42	492.19
	<i>For Bronze Or Satin Anodized Finish, Add</i>	79.60	
	<i>For Black Anodized Finish, Add</i>	159.21	
	<i>For &gt;10 To 20, Deduct</i>	-56.45	
	<i>For &gt;20 To 40, Deduct</i>	-104.94	
	<i>For &gt;40, Deduct</i>	-217.84	
26 56 13 00-0398	EA 23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,775.05	430.67
	<i>For Bronze Or Satin Anodized Finish, Add</i>	91.37	
	<i>For Black Anodized Finish, Add</i>	182.74	
	<i>For &gt;10 To 20, Deduct</i>	-58.08	
	<i>For &gt;20 To 40, Deduct</i>	-107.03	
	<i>For &gt;40, Deduct</i>	-223.19	
26 56 13 00-0399	EA 25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,966.45	492.19
	<i>For Bronze Or Satin Anodized Finish, Add</i>	98.21	
	<i>For Black Anodized Finish, Add</i>	196.41	
	<i>For &gt;10 To 20, Deduct</i>	-63.89	
	<i>For &gt;20 To 40, Deduct</i>	-117.96	
	<i>For &gt;40, Deduct</i>	-245.75	





<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0400	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,112.78 106.69 213.37 -68.82 -126.98 -264.62	522.95
26 56	13 00-0401	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,244.38 113.70 227.39 -73.16 -134.96 -281.29	553.72
26 56	13 00-0402	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,359.07 122.09 244.18 -77.29 -142.37 -296.95	569.10
26 56	13 00-0403	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,459.93 129.10 258.19 -80.86 -148.82 -310.54	584.48
26 56	13 00-0404	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,546.93 134.72 269.44 -83.88 -154.29 -322.05	599.86
26 56	13 00-0405	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,698.83 146.84 293.67 -89.50 -164.31 -343.30	615.24
26 56	13 00-0406	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,486.57 144.07 288.13 -83.77 -153.14 -320.69	522.95
26 56	13 00-0407	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,677.01 156.96 313.92 -90.47 -165.24 -346.18	553.72
26 56	13 00-0408	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,809.01 167.08 334.16 -95.29 -173.87 -364.44	569.10
26 56	13 00-0409	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,910.73 174.18 348.35 -98.89 -180.37 -378.16	584.48
26 56	13 00-0410	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,970.04 177.03 354.06 -100.81 -183.91 -385.52	599.86
26 56	13 00-0411	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,136.65 190.62 381.23 -107.01 -194.96 -408.97	615.24
26 56	13 00-0412	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,368.03 132.21 264.42 -79.03 -144.84 -302.91	522.95
26 56	13 00-0413	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,542.90 143.55 287.09 -85.10 -155.85 -326.06	553.72

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0414	EA		33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,612.59	569.10
			<i>For Bronze Or Satin Anodized Finish, Add</i>	147.44	
			<i>For Black Anodized Finish, Add</i>	294.88	
			<i>For &gt;10 To 20, Deduct</i>	-87.43	
			<i>For &gt;20 To 40, Deduct</i>	-160.12	
			<i>For &gt;40, Deduct</i>	-334.98	
26 56 13 00-0415	EA		35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,781.80	584.48
			<i>For Bronze Or Satin Anodized Finish, Add</i>	161.28	
			<i>For Black Anodized Finish, Add</i>	322.57	
			<i>For &gt;10 To 20, Deduct</i>	-93.74	
			<i>For &gt;20 To 40, Deduct</i>	-171.35	
			<i>For &gt;40, Deduct</i>	-358.82	
26 56 13 00-0416	EA		37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,867.94	599.86
			<i>For Bronze Or Satin Anodized Finish, Add</i>	166.82	
			<i>For Black Anodized Finish, Add</i>	333.64	
			<i>For &gt;10 To 20, Deduct</i>	-96.72	
			<i>For &gt;20 To 40, Deduct</i>	-176.76	
			<i>For &gt;40, Deduct</i>	-370.21	
26 56 13 00-0417	EA		39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,035.41	615.24
			<i>For Bronze Or Satin Anodized Finish, Add</i>	180.49	
			<i>For Black Anodized Finish, Add</i>	360.99	
			<i>For &gt;10 To 20, Deduct</i>	-102.96	
			<i>For &gt;20 To 40, Deduct</i>	-187.87	
			<i>For &gt;40, Deduct</i>	-393.79	
26 56 13 00-0418	EA		28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,909.68	522.95
			<i>For Bronze Or Satin Anodized Finish, Add</i>	186.38	
			<i>For Black Anodized Finish, Add</i>	372.75	
			<i>For &gt;10 To 20, Deduct</i>	-100.70	
			<i>For &gt;20 To 40, Deduct</i>	-182.76	
			<i>For &gt;40, Deduct</i>	-384.16	
26 56 13 00-0419	EA		30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,076.76	553.72
			<i>For Bronze Or Satin Anodized Finish, Add</i>	196.93	
			<i>For Black Anodized Finish, Add</i>	393.87	
			<i>For &gt;10 To 20, Deduct</i>	-106.46	
			<i>For &gt;20 To 40, Deduct</i>	-193.22	
			<i>For &gt;40, Deduct</i>	-406.14	
26 56 13 00-0420	EA		33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,210.49	569.10
			<i>For Bronze Or Satin Anodized Finish, Add</i>	207.23	
			<i>For Black Anodized Finish, Add</i>	414.46	
			<i>For &gt;10 To 20, Deduct</i>	-111.35	
			<i>For &gt;20 To 40, Deduct</i>	-201.97	
			<i>For &gt;40, Deduct</i>	-424.66	
26 56 13 00-0421	EA		35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,414.31	584.48
			<i>For Bronze Or Satin Anodized Finish, Add</i>	224.54	
			<i>For Black Anodized Finish, Add</i>	449.07	
			<i>For &gt;10 To 20, Deduct</i>	-119.04	
			<i>For &gt;20 To 40, Deduct</i>	-215.62	
			<i>For &gt;40, Deduct</i>	-453.70	
26 56 13 00-0422	EA		37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,464.11	599.86
			<i>For Bronze Or Satin Anodized Finish, Add</i>	226.44	
			<i>For Black Anodized Finish, Add</i>	452.88	
			<i>For &gt;10 To 20, Deduct</i>	-120.57	
			<i>For &gt;20 To 40, Deduct</i>	-218.49	
			<i>For &gt;40, Deduct</i>	-459.63	
26 56 13 00-0423	EA		39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,667.05	615.24
			<i>For Bronze Or Satin Anodized Finish, Add</i>	243.66	
			<i>For Black Anodized Finish, Add</i>	487.31	
			<i>For &gt;10 To 20, Deduct</i>	-128.22	
			<i>For &gt;20 To 40, Deduct</i>	-232.08	
			<i>For &gt;40, Deduct</i>	-488.53	
26 56 13 00-0424	EA		48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	4,682.91	922.86
			<i>For Bronze Or Satin Anodized Finish, Add</i>	283.72	
			<i>For Black Anodized Finish, Add</i>	567.44	
			<i>For &gt;10 To 20, Deduct</i>	-159.63	
			<i>For &gt;20 To 40, Deduct</i>	-290.89	
			<i>For &gt;40, Deduct</i>	-610.15	
26 56 13 00-0425	EA		50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	4,790.20	922.86
			<i>For Bronze Or Satin Anodized Finish, Add</i>	294.45	
			<i>For Black Anodized Finish, Add</i>	588.90	
			<i>For &gt;10 To 20, Deduct</i>	-163.92	
			<i>For &gt;20 To 40, Deduct</i>	-298.40	
			<i>For &gt;40, Deduct</i>	-626.24	
26 56 13 00-0426			<b>Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base</b> <small>(26 56 13 00-0354)</small>		
26 56 13 00-0427	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	800.04	184.57
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	64.64	
			<i>For &gt;10 To 20, Deduct</i>	-26.46	
			<i>For &gt;20 To 40, Deduct</i>	-48.62	
			<i>For &gt;40, Deduct</i>	-101.55	
26 56 13 00-0428	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	879.74	215.33
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	67.36	
			<i>For &gt;10 To 20, Deduct</i>	-28.73	
			<i>For &gt;20 To 40, Deduct</i>	-52.97	
			<i>For &gt;40, Deduct</i>	-110.43	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0429 EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	960.30 70.22 -31.03 -57.38 -119.44	246.10
26 56 13 00-0430 EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,042.59 73.33 -33.40 -61.91 -128.70	276.86
26 56 13 00-0431 EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,124.01 76.32 -35.73 -66.38 -137.84	307.62
26 56 13 00-0432 EA 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	890.12 68.92 -29.14 -53.70 -111.98	215.33
26 56 13 00-0433 EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	972.41 72.03 -31.51 -58.22 -121.25	246.10
26 56 13 00-0434 EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,056.44 75.41 -33.95 -62.88 -130.78	276.86
26 56 13 00-0435 EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,139.59 78.65 -36.36 -67.47 -140.18	307.62
26 56 13 00-0436 EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,233.99 83.58 -39.21 -72.84 -151.26	338.38
26 56 13 00-0437 EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,320.61 87.35 -41.75 -77.68 -161.18	369.14
26 56 13 00-0438 EA 12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,006.15 77.09 -32.86 -60.59 -126.31	246.10
26 56 13 00-0439 EA 14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,094.51 81.12 -35.47 -65.54 -136.49	276.86
26 56 13 00-0440 EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,193.23 86.70 -38.50 -71.22 -148.22	307.62
26 56 13 00-0441 EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,283.31 90.98 -41.18 -76.30 -158.66	338.38
26 56 13 00-0442 EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,384.64 96.95 -44.31 -82.16 -170.78	369.14
26 56 13 00-0443 EA 16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,242.55 94.10 -40.47 -74.67 -155.62	307.62
26 56 13 00-0444 EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,349.93 100.98 -43.85 -80.96 -168.65	338.38
26 56 13 00-0445 EA 20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,438.29 105.00 -46.46 -85.91 -178.83	369.14

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0446	EA		12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,032.98 81.12 -33.94 -62.46 -130.34	246.10
26 56 13 00-0447	EA		14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,135.17 87.22 -37.10 -68.39 -142.59	276.86
26 56 13 00-0448	EA		16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,242.55 94.10 -40.47 -74.67 -155.62	307.62
26 56 13 00-0449	EA		18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,339.55 99.42 -43.43 -80.23 -167.09	338.38
26 56 13 00-0450	EA		20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,442.61 105.65 -46.63 -86.22 -179.48	369.14
26 56 13 00-0451	EA		16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,298.80 102.53 -42.72 -78.61 -164.06	307.62
26 56 13 00-0452	EA		18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,413.10 110.45 -46.37 -85.38 -178.13	338.38
26 56 13 00-0453	EA		20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,505.78 115.12 -49.16 -90.64 -188.95	369.14
<b>26 56 13 00-0454</b>			<b>Round Tapered, Aluminum Area Light Poles, Direct Burial</b> <small>(26 56 13 00-0354)</small>		
			Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0455	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	563.74 25.61 51.22 -17.94 -33.31 -69.18	153.81
26 56 13 00-0456	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	587.96 28.03 56.07 -18.90 -35.00 -72.81	153.81
26 56 13 00-0457	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	638.63 30.03 60.05 -20.47 -37.94 -78.88	169.19
26 56 13 00-0458	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	683.23 31.41 62.82 -21.79 -40.44 -84.03	184.57
26 56 13 00-0459	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	714.38 34.52 69.05 -23.04 -42.62 -88.70	184.57
26 56 13 00-0460	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	661.99 32.36 64.72 -21.40 -39.57 -82.38	169.19
26 56 13 00-0461	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	716.97 34.78 69.57 -23.14 -42.81 -89.09	184.57



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0462 EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	734.28	184.57
For Bronze Or Satin Anodized Finish, Add	36.51	
For Black Anodized Finish, Add	73.03	
For >10 To 20, Deduct	-23.83	
For >20 To 40, Deduct	-44.02	
For >40, Deduct	-91.69	
26 56 13 00-0463 EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	792.74	199.95
For Bronze Or Satin Anodized Finish, Add	39.28	
For Black Anodized Finish, Add	78.57	
For >10 To 20, Deduct	-25.71	
For >20 To 40, Deduct	-47.49	
For >40, Deduct	-98.92	
26 56 13 00-0464 EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	847.73	215.33
For Bronze Or Satin Anodized Finish, Add	41.71	
For Black Anodized Finish, Add	83.41	
For >10 To 20, Deduct	-27.45	
For >20 To 40, Deduct	-50.73	
For >40, Deduct	-105.63	
26 56 13 00-0465 EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	784.46	184.57
For Bronze Or Satin Anodized Finish, Add	41.53	
For Black Anodized Finish, Add	83.06	
For >10 To 20, Deduct	-25.84	
For >20 To 40, Deduct	-47.53	
For >40, Deduct	-99.21	
26 56 13 00-0466 EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	848.11	199.95
For Bronze Or Satin Anodized Finish, Add	44.82	
For Black Anodized Finish, Add	89.64	
For >10 To 20, Deduct	-27.93	
For >20 To 40, Deduct	-51.37	
For >40, Deduct	-107.22	
26 56 13 00-0467 EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	907.43	215.33
For Bronze Or Satin Anodized Finish, Add	47.68	
For Black Anodized Finish, Add	95.35	
For >10 To 20, Deduct	-29.84	
For >20 To 40, Deduct	-54.91	
For >40, Deduct	-114.58	
26 56 13 00-0468 EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	919.07	199.95
For Bronze Or Satin Anodized Finish, Add	51.92	
For Black Anodized Finish, Add	103.83	
For >10 To 20, Deduct	-30.76	
For >20 To 40, Deduct	-56.34	
For >40, Deduct	-117.87	
26 56 13 00-0469 EA 25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	1,173.15	246.10
For Bronze Or Satin Anodized Finish, Add	68.10	
For Black Anodized Finish, Add	136.19	
For >10 To 20, Deduct	-39.54	
For >20 To 40, Deduct	-72.28	
For >40, Deduct	-151.36	
26 56 13 00-0470 EA 25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	1,270.92	246.10
For Bronze Or Satin Anodized Finish, Add	77.87	
For Black Anodized Finish, Add	155.75	
For >10 To 20, Deduct	-43.45	
For >20 To 40, Deduct	-79.12	
For >40, Deduct	-166.03	
26 56 13 00-0471 EA 30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	1,416.38	276.86
For Bronze Or Satin Anodized Finish, Add	86.27	
For Black Anodized Finish, Add	172.53	
For >10 To 20, Deduct	-48.35	
For >20 To 40, Deduct	-88.07	
For >40, Deduct	-184.77	
26 56 13 00-0472 EA 30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	1,522.81	276.86
For Bronze Or Satin Anodized Finish, Add	96.91	
For Black Anodized Finish, Add	193.82	
For >10 To 20, Deduct	-52.61	
For >20 To 40, Deduct	-95.52	
For >40, Deduct	-200.74	
<b>26 56 13 00-0473 Square Straight, Aluminum Area Light Poles</b> <small>(26 56 13 00-0294)</small>		
<b>26 56 13 00-0474 Square Straight, Aluminum Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0473)</small>		
26 56 13 00-0475 EA 8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base .....	726.49	184.57
For Bronze Or Satin Anodized Finish, Add	35.74	
For Black Anodized Finish, Add	71.47	
For >10 To 20, Deduct	-23.52	
For >20 To 40, Deduct	-43.47	
For >40, Deduct	-90.52	
26 56 13 00-0476 EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base .....	806.19	215.33
For Bronze Or Satin Anodized Finish, Add	37.55	
For Black Anodized Finish, Add	75.10	
For >10 To 20, Deduct	-25.79	
For >20 To 40, Deduct	-47.82	
For >40, Deduct	-99.40	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0477	EA		12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base .....	892.81	246.10
			<i>For Bronze Or Satin Anodized Finish, Add</i>	40.06	
			<i>For Black Anodized Finish, Add</i>	80.12	
			<i>For &gt;10 To 20, Deduct</i>	-28.33	
			<i>For &gt;20 To 40, Deduct</i>	-52.65	
			<i>For &gt;40, Deduct</i>	-109.31	
26 56 13 00-0478	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base .....	978.56	276.86
			<i>For Bronze Or Satin Anodized Finish, Add</i>	42.48	
			<i>For Black Anodized Finish, Add</i>	84.97	
			<i>For &gt;10 To 20, Deduct</i>	-30.84	
			<i>For &gt;20 To 40, Deduct</i>	-57.42	
			<i>For &gt;40, Deduct</i>	-119.10	
26 56 13 00-0479	EA		15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,024.90	292.24
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.04	
			<i>For Black Anodized Finish, Add</i>	88.08	
			<i>For &gt;10 To 20, Deduct</i>	-32.23	
			<i>For &gt;20 To 40, Deduct</i>	-60.05	
			<i>For &gt;40, Deduct</i>	-124.51	
26 56 13 00-0480	EA		16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,071.23	307.62
			<i>For Bronze Or Satin Anodized Finish, Add</i>	45.60	
			<i>For Black Anodized Finish, Add</i>	91.20	
			<i>For &gt;10 To 20, Deduct</i>	-33.62	
			<i>For &gt;20 To 40, Deduct</i>	-62.68	
			<i>For &gt;40, Deduct</i>	-129.92	
26 56 13 00-0481	EA		18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,162.17	338.38
			<i>For Bronze Or Satin Anodized Finish, Add</i>	48.54	
			<i>For Black Anodized Finish, Add</i>	97.08	
			<i>For &gt;10 To 20, Deduct</i>	-36.34	
			<i>For &gt;20 To 40, Deduct</i>	-67.82	
			<i>For &gt;40, Deduct</i>	-140.49	
26 56 13 00-0482	EA		20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,260.91	369.14
			<i>For Bronze Or Satin Anodized Finish, Add</i>	52.26	
			<i>For Black Anodized Finish, Add</i>	104.52	
			<i>For &gt;10 To 20, Deduct</i>	-39.36	
			<i>For &gt;20 To 40, Deduct</i>	-73.50	
			<i>For &gt;40, Deduct</i>	-152.22	
26 56 13 00-0483	EA		16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,130.94	307.62
			<i>For Bronze Or Satin Anodized Finish, Add</i>	51.57	
			<i>For Black Anodized Finish, Add</i>	103.14	
			<i>For &gt;10 To 20, Deduct</i>	-36.01	
			<i>For &gt;20 To 40, Deduct</i>	-66.86	
			<i>For &gt;40, Deduct</i>	-138.88	
26 56 13 00-0484	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,223.60	338.38
			<i>For Bronze Or Satin Anodized Finish, Add</i>	54.68	
			<i>For Black Anodized Finish, Add</i>	109.37	
			<i>For &gt;10 To 20, Deduct</i>	-38.79	
			<i>For &gt;20 To 40, Deduct</i>	-72.12	
			<i>For &gt;40, Deduct</i>	-149.70	
26 56 13 00-0485	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,327.53	369.14
			<i>For Bronze Or Satin Anodized Finish, Add</i>	58.92	
			<i>For Black Anodized Finish, Add</i>	117.85	
			<i>For &gt;10 To 20, Deduct</i>	-42.03	
			<i>For &gt;20 To 40, Deduct</i>	-78.16	
			<i>For &gt;40, Deduct</i>	-162.22	
26 56 13 00-0486	EA		15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,284.48	292.24
			<i>For Bronze Or Satin Anodized Finish, Add</i>	70.00	
			<i>For Black Anodized Finish, Add</i>	140.00	
			<i>For &gt;10 To 20, Deduct</i>	-42.61	
			<i>For &gt;20 To 40, Deduct</i>	-78.22	
			<i>For &gt;40, Deduct</i>	-163.45	
26 56 13 00-0487	EA		20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,575.86	369.14
			<i>For Bronze Or Satin Anodized Finish, Add</i>	83.76	
			<i>For Black Anodized Finish, Add</i>	167.51	
			<i>For &gt;10 To 20, Deduct</i>	-51.96	
			<i>For &gt;20 To 40, Deduct</i>	-95.54	
			<i>For &gt;40, Deduct</i>	-199.46	
26 56 13 00-0488	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,930.11	492.19
			<i>For Bronze Or Satin Anodized Finish, Add</i>	94.57	
			<i>For Black Anodized Finish, Add</i>	189.15	
			<i>For &gt;10 To 20, Deduct</i>	-62.44	
			<i>For &gt;20 To 40, Deduct</i>	-115.42	
			<i>For &gt;40, Deduct</i>	-240.30	
26 56 13 00-0489	EA		20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,381.18	369.14
			<i>For Bronze Or Satin Anodized Finish, Add</i>	64.29	
			<i>For Black Anodized Finish, Add</i>	128.58	
			<i>For &gt;10 To 20, Deduct</i>	-44.17	
			<i>For &gt;20 To 40, Deduct</i>	-81.92	
			<i>For &gt;40, Deduct</i>	-170.26	
26 56 13 00-0490	EA		20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,680.56	369.14
			<i>For Bronze Or Satin Anodized Finish, Add</i>	94.23	
			<i>For Black Anodized Finish, Add</i>	188.45	
			<i>For &gt;10 To 20, Deduct</i>	-56.15	
			<i>For &gt;20 To 40, Deduct</i>	-102.87	
			<i>For &gt;40, Deduct</i>	-215.17	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0491 EA 25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base .....	2,025.29	492.19
For Bronze Or Satin Anodized Finish, Add	104.09	
For Black Anodized Finish, Add	208.18	
For >10 To 20, Deduct	-66.25	
For >20 To 40, Deduct	-122.08	
For >40, Deduct	-254.57	
26 56 13 00-0492 EA 20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base .....	1,844.96	369.14
For Bronze Or Satin Anodized Finish, Add	110.67	
For Black Anodized Finish, Add	221.33	
For >10 To 20, Deduct	-62.72	
For >20 To 40, Deduct	-114.38	
For >40, Deduct	-239.83	
26 56 13 00-0493 EA 25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base .....	2,239.87	492.19
For Bronze Or Satin Anodized Finish, Add	125.55	
For Black Anodized Finish, Add	251.10	
For >10 To 20, Deduct	-74.83	
For >20 To 40, Deduct	-137.10	
For >40, Deduct	-286.76	
26 56 13 00-0494 EA 30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base .....	2,586.16	553.72
For Bronze Or Satin Anodized Finish, Add	147.87	
For Black Anodized Finish, Add	295.75	
For >10 To 20, Deduct	-86.83	
For >20 To 40, Deduct	-158.88	
For >40, Deduct	-332.55	
<b>26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0473)</b>		
Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0496 EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial .....	648.53	153.81
For Bronze Or Satin Anodized Finish, Add	34.09	
For Black Anodized Finish, Add	68.18	
For >10 To 20, Deduct	-21.33	
For >20 To 40, Deduct	-39.24	
For >40, Deduct	-81.90	
26 56 13 00-0497 EA 12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial .....	723.42	169.19
For Bronze Or Satin Anodized Finish, Add	38.50	
For Black Anodized Finish, Add	77.01	
For >10 To 20, Deduct	-23.86	
For >20 To 40, Deduct	-43.87	
For >40, Deduct	-91.59	
26 56 13 00-0498 EA 14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial .....	772.35	184.57
For Bronze Or Satin Anodized Finish, Add	40.32	
For Black Anodized Finish, Add	80.64	
For >10 To 20, Deduct	-25.36	
For >20 To 40, Deduct	-46.68	
For >40, Deduct	-97.40	
26 56 13 00-0499 EA 15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial .....	793.98	184.57
For Bronze Or Satin Anodized Finish, Add	42.48	
For Black Anodized Finish, Add	84.97	
For >10 To 20, Deduct	-26.22	
For >20 To 40, Deduct	-48.20	
For >40, Deduct	-100.64	
26 56 13 00-0500 EA 16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial .....	820.81	184.57
For Bronze Or Satin Anodized Finish, Add	45.17	
For Black Anodized Finish, Add	90.33	
For >10 To 20, Deduct	-27.30	
For >20 To 40, Deduct	-50.07	
For >40, Deduct	-104.66	
26 56 13 00-0501 EA 18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial .....	943.29	199.95
For Bronze Or Satin Anodized Finish, Add	54.34	
For Black Anodized Finish, Add	108.68	
For >10 To 20, Deduct	-31.73	
For >20 To 40, Deduct	-58.03	
For >40, Deduct	-121.50	
26 56 13 00-0502 EA 20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial .....	1,011.26	215.33
For Bronze Or Satin Anodized Finish, Add	58.06	
For Black Anodized Finish, Add	116.12	
For >10 To 20, Deduct	-33.99	
For >20 To 40, Deduct	-62.17	
For >40, Deduct	-130.16	
26 56 13 00-0503 EA 20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial .....	1,147.11	215.33
For Bronze Or Satin Anodized Finish, Add	71.64	
For Black Anodized Finish, Add	143.29	
For >10 To 20, Deduct	-39.42	
For >20 To 40, Deduct	-71.68	
For >40, Deduct	-150.53	
26 56 13 00-0504 EA 25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial .....	1,317.65	246.10
For Bronze Or Satin Anodized Finish, Add	82.55	
For Black Anodized Finish, Add	165.09	
For >10 To 20, Deduct	-45.32	
For >20 To 40, Deduct	-82.39	
For >40, Deduct	-173.04	

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 56</b>	<b>Exterior Lighting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0505 EA 25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial .....	1,621.35	246.10
For Bronze Or Satin Anodized Finish, Add	112.92	
For Black Anodized Finish, Add	225.83	
For >10 To 20, Deduct	-57.47	
For >20 To 40, Deduct	-103.65	
For >40, Deduct	-218.59	
<b>26 56 13 00-0506 Factory Accessories For Aluminum Area Light Poles (26 56 13 00-0294)</b>		
26 56 13 00-0507 EA 1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles .....	75.70	
26 56 13 00-0508 EA Extra Handhole For Aluminum Area Light Poles.....	32.25	
26 56 13 00-0509 EA Vibration Dampener For Aluminum Area Light Poles.....	114.52	
<b>26 56 13 00-0510 Fiberglass Area Light Poles (26 56 13 00-0177)</b>		
Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
<b>26 56 13 00-0511 Round Tapered, Fiberglass Area Light Poles (26 56 13 00-0510)</b>		
<b>26 56 13 00-0512 Round Tapered, Fiberglass Area Light Poles, Anchor Base (26 56 13 00-0511)</b>		
26 56 13 00-0513 EA 10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,428.94	215.33
For >10 To 20, Deduct	-50.70	
For >20 To 40, Deduct	-91.41	
For >40, Deduct	-192.81	
26 56 13 00-0514 EA 12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,549.88	246.10
For >10 To 20, Deduct	-54.61	
For >20 To 40, Deduct	-98.65	
For >40, Deduct	-207.87	
26 56 13 00-0515 EA 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,672.53	276.86
For >10 To 20, Deduct	-58.60	
For >20 To 40, Deduct	-106.00	
For >40, Deduct	-223.19	
26 56 13 00-0516 EA 16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,793.47	307.62
For >10 To 20, Deduct	-62.51	
For >20 To 40, Deduct	-113.24	
For >40, Deduct	-238.26	
26 56 13 00-0517 EA 18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,944.97	338.38
For >10 To 20, Deduct	-67.65	
For >20 To 40, Deduct	-122.61	
For >40, Deduct	-257.91	
26 56 13 00-0518 EA 20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,069.32	369.14
For >10 To 20, Deduct	-71.70	
For >20 To 40, Deduct	-130.09	
For >40, Deduct	-273.48	
26 56 13 00-0519 EA 22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,253.49	430.67
For >10 To 20, Deduct	-77.22	
For >20 To 40, Deduct	-140.52	
For >40, Deduct	-294.96	
26 56 13 00-0520 EA 24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,435.95	492.19
For >10 To 20, Deduct	-82.67	
For >20 To 40, Deduct	-150.83	
For >40, Deduct	-316.17	
26 56 13 00-0521 EA 26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,573.46	492.19
For >10 To 20, Deduct	-88.17	
For >20 To 40, Deduct	-160.45	
For >40, Deduct	-336.80	
26 56 13 00-0522 EA 28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,755.53	522.95
For >10 To 20, Deduct	-94.53	
For >20 To 40, Deduct	-171.97	
For >40, Deduct	-361.03	
26 56 13 00-0523 EA 30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,937.59	553.72
For >10 To 20, Deduct	-100.89	
For >20 To 40, Deduct	-183.48	
For >40, Deduct	-385.27	
26 56 13 00-0524 EA 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,585.13	215.33
For >10 To 20, Deduct	-56.95	
For >20 To 40, Deduct	-102.35	
For >40, Deduct	-216.24	
26 56 13 00-0525 EA 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,675.51	246.10
For >10 To 20, Deduct	-59.64	
For >20 To 40, Deduct	-107.44	
For >40, Deduct	-226.72	
26 56 13 00-0526 EA 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,767.60	276.86
For >10 To 20, Deduct	-62.40	
For >20 To 40, Deduct	-112.66	
For >40, Deduct	-237.45	
26 56 13 00-0527 EA 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,863.08	307.62
For >10 To 20, Deduct	-65.29	
For >20 To 40, Deduct	-118.11	
For >40, Deduct	-248.70	
26 56 13 00-0528 EA 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,967.04	338.38
For >10 To 20, Deduct	-68.53	
For >20 To 40, Deduct	-124.16	
For >40, Deduct	-261.22	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0529	EA		20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,069.32	369.14
			<i>For &gt;10 To 20, Deduct</i>	-71.70	
			<i>For &gt;20 To 40, Deduct</i>	-130.09	
			<i>For &gt;40, Deduct</i>	-273.48	
26 56 13 00-0530	EA		22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,233.11	430.67
			<i>For &gt;10 To 20, Deduct</i>	-76.40	
			<i>For &gt;20 To 40, Deduct</i>	-139.09	
			<i>For &gt;40, Deduct</i>	-291.90	
26 56 13 00-0531	EA		24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,435.95	492.19
			<i>For &gt;10 To 20, Deduct</i>	-82.67	
			<i>For &gt;20 To 40, Deduct</i>	-150.83	
			<i>For &gt;40, Deduct</i>	-316.17	
26 56 13 00-0532	EA		26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,493.67	492.19
			<i>For &gt;10 To 20, Deduct</i>	-84.98	
			<i>For &gt;20 To 40, Deduct</i>	-154.87	
			<i>For &gt;40, Deduct</i>	-324.83	
26 56 13 00-0533	EA		28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,614.62	522.95
			<i>For &gt;10 To 20, Deduct</i>	-88.90	
			<i>For &gt;20 To 40, Deduct</i>	-162.11	
			<i>For &gt;40, Deduct</i>	-339.90	
26 56 13 00-0534	EA		30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,735.56	553.72
			<i>For &gt;10 To 20, Deduct</i>	-92.81	
			<i>For &gt;20 To 40, Deduct</i>	-169.34	
			<i>For &gt;40, Deduct</i>	-354.96	
26 56 13 00-0535	EA		10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,814.33	215.33
			<i>For &gt;10 To 20, Deduct</i>	-66.11	
			<i>For &gt;20 To 40, Deduct</i>	-118.39	
			<i>For &gt;40, Deduct</i>	-250.62	
26 56 13 00-0536	EA		12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,928.48	246.10
			<i>For &gt;10 To 20, Deduct</i>	-69.76	
			<i>For &gt;20 To 40, Deduct</i>	-125.15	
			<i>For &gt;40, Deduct</i>	-264.66	
26 56 13 00-0537	EA		14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,042.64	276.86
			<i>For &gt;10 To 20, Deduct</i>	-73.40	
			<i>For &gt;20 To 40, Deduct</i>	-131.91	
			<i>For &gt;40, Deduct</i>	-278.71	
26 56 13 00-0538	EA		16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,158.49	307.62
			<i>For &gt;10 To 20, Deduct</i>	-77.11	
			<i>For &gt;20 To 40, Deduct</i>	-138.79	
			<i>For &gt;40, Deduct</i>	-293.01	
26 56 13 00-0539	EA		18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,281.12	338.38
			<i>For &gt;10 To 20, Deduct</i>	-81.09	
			<i>For &gt;20 To 40, Deduct</i>	-146.14	
			<i>For &gt;40, Deduct</i>	-308.33	
26 56 13 00-0540	EA		20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,413.96	369.14
			<i>For &gt;10 To 20, Deduct</i>	-85.48	
			<i>For &gt;20 To 40, Deduct</i>	-154.21	
			<i>For &gt;40, Deduct</i>	-325.18	
26 56 13 00-0541	EA		22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,623.59	430.67
			<i>For &gt;10 To 20, Deduct</i>	-92.02	
			<i>For &gt;20 To 40, Deduct</i>	-166.42	
			<i>For &gt;40, Deduct</i>	-350.47	
26 56 13 00-0542	EA		24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,834.92	492.19
			<i>For &gt;10 To 20, Deduct</i>	-98.63	
			<i>For &gt;20 To 40, Deduct</i>	-178.76	
			<i>For &gt;40, Deduct</i>	-376.02	
26 56 13 00-0543	EA		26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,923.20	492.19
			<i>For &gt;10 To 20, Deduct</i>	-102.16	
			<i>For &gt;20 To 40, Deduct</i>	-184.94	
			<i>For &gt;40, Deduct</i>	-389.26	
26 56 13 00-0544	EA		28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,123.94	522.95
			<i>For &gt;10 To 20, Deduct</i>	-109.27	
			<i>For &gt;20 To 40, Deduct</i>	-197.76	
			<i>For &gt;40, Deduct</i>	-416.30	
26 56 13 00-0545	EA		30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,285.63	553.72
			<i>For &gt;10 To 20, Deduct</i>	-114.81	
			<i>For &gt;20 To 40, Deduct</i>	-207.85	
			<i>For &gt;40, Deduct</i>	-437.47	
26 56 13 00-0546	EA		32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,416.56	569.10
			<i>For &gt;10 To 20, Deduct</i>	-119.59	
			<i>For &gt;20 To 40, Deduct</i>	-216.40	
			<i>For &gt;40, Deduct</i>	-455.57	
26 56 13 00-0547	EA		34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,547.49	584.48
			<i>For &gt;10 To 20, Deduct</i>	-124.37	
			<i>For &gt;20 To 40, Deduct</i>	-224.95	
			<i>For &gt;40, Deduct</i>	-473.68	
<b>26 56 13 00-0548</b>			<b>Round Tapered, Fiberglass Area Light Poles, Direct Burial</b> <small>(26 56 13 00-0511)</small>		
26 56 13 00-0549	EA		10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	878.06	153.81
			<i>For &gt;10 To 20, Deduct</i>	-30.51	
			<i>For &gt;20 To 40, Deduct</i>	-55.31	
			<i>For &gt;40, Deduct</i>	-116.33	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0550	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	941.08	169.19
			<i>For &gt;10 To 20, Deduct</i>	-32.57	
			<i>For &gt;20 To 40, Deduct</i>	-59.11	
			<i>For &gt;40, Deduct</i>	-124.24	
26 56	13 00-0551	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,002.40	184.57
			<i>For &gt;10 To 20, Deduct</i>	-34.56	
			<i>For &gt;20 To 40, Deduct</i>	-62.79	
			<i>For &gt;40, Deduct</i>	-131.90	
26 56	13 00-0552	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,031.26	184.57
			<i>For &gt;10 To 20, Deduct</i>	-35.71	
			<i>For &gt;20 To 40, Deduct</i>	-64.81	
			<i>For &gt;40, Deduct</i>	-136.23	
26 56	13 00-0553	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,109.57	199.95
			<i>For &gt;10 To 20, Deduct</i>	-38.38	
			<i>For &gt;20 To 40, Deduct</i>	-69.67	
			<i>For &gt;40, Deduct</i>	-146.44	
26 56	13 00-0554	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,174.28	215.33
			<i>For &gt;10 To 20, Deduct</i>	-40.51	
			<i>For &gt;20 To 40, Deduct</i>	-73.59	
			<i>For &gt;40, Deduct</i>	-154.61	
26 56	13 00-0555	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,244.09	230.72
			<i>For &gt;10 To 20, Deduct</i>	-42.84	
			<i>For &gt;20 To 40, Deduct</i>	-77.86	
			<i>For &gt;40, Deduct</i>	-163.54	
26 56	13 00-0556	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,322.38	246.10
			<i>For &gt;10 To 20, Deduct</i>	-45.51	
			<i>For &gt;20 To 40, Deduct</i>	-82.72	
			<i>For &gt;40, Deduct</i>	-173.75	
26 56	13 00-0557	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,485.37	246.10
			<i>For &gt;10 To 20, Deduct</i>	-52.03	
			<i>For &gt;20 To 40, Deduct</i>	-94.13	
			<i>For &gt;40, Deduct</i>	-198.20	
26 56	13 00-0558	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,679.11	261.48
			<i>For &gt;10 To 20, Deduct</i>	-59.32	
			<i>For &gt;20 To 40, Deduct</i>	-107.08	
			<i>For &gt;40, Deduct</i>	-225.72	
26 56	13 00-0559	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,872.86	276.86
			<i>For &gt;10 To 20, Deduct</i>	-66.61	
			<i>For &gt;20 To 40, Deduct</i>	-120.03	
			<i>For &gt;40, Deduct</i>	-253.24	
26 56	13 00-0560	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,034.25	153.81
			<i>For &gt;10 To 20, Deduct</i>	-36.76	
			<i>For &gt;20 To 40, Deduct</i>	-66.25	
			<i>For &gt;40, Deduct</i>	-139.76	
26 56	13 00-0561	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,105.76	169.19
			<i>For &gt;10 To 20, Deduct</i>	-39.15	
			<i>For &gt;20 To 40, Deduct</i>	-70.64	
			<i>For &gt;40, Deduct</i>	-148.95	
26 56	13 00-0562	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,177.26	184.57
			<i>For &gt;10 To 20, Deduct</i>	-41.55	
			<i>For &gt;20 To 40, Deduct</i>	-75.03	
			<i>For &gt;40, Deduct</i>	-158.13	
26 56	13 00-0563	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,219.71	184.57
			<i>For &gt;10 To 20, Deduct</i>	-43.25	
			<i>For &gt;20 To 40, Deduct</i>	-78.00	
			<i>For &gt;40, Deduct</i>	-164.50	
26 56	13 00-0564	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,291.22	199.95
			<i>For &gt;10 To 20, Deduct</i>	-45.65	
			<i>For &gt;20 To 40, Deduct</i>	-82.39	
			<i>For &gt;40, Deduct</i>	-173.69	
26 56	13 00-0565	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,362.73	215.33
			<i>For &gt;10 To 20, Deduct</i>	-48.05	
			<i>For &gt;20 To 40, Deduct</i>	-86.78	
			<i>For &gt;40, Deduct</i>	-182.88	
26 56	13 00-0566	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,434.23	230.72
			<i>For &gt;10 To 20, Deduct</i>	-50.45	
			<i>For &gt;20 To 40, Deduct</i>	-91.17	
			<i>For &gt;40, Deduct</i>	-192.06	
26 56	13 00-0567	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,544.79	246.10
			<i>For &gt;10 To 20, Deduct</i>	-54.41	
			<i>For &gt;20 To 40, Deduct</i>	-98.29	
			<i>For &gt;40, Deduct</i>	-207.11	
26 56	13 00-0568	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,702.68	246.10
			<i>For &gt;10 To 20, Deduct</i>	-60.72	
			<i>For &gt;20 To 40, Deduct</i>	-109.34	
			<i>For &gt;40, Deduct</i>	-230.79	
26 56	13 00-0569	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,893.03	261.48
			<i>For &gt;10 To 20, Deduct</i>	-67.88	
			<i>For &gt;20 To 40, Deduct</i>	-122.05	
			<i>For &gt;40, Deduct</i>	-257.81	
26 56	13 00-0570	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	2,081.69	276.86
			<i>For &gt;10 To 20, Deduct</i>	-74.96	
			<i>For &gt;20 To 40, Deduct</i>	-134.64	
			<i>For &gt;40, Deduct</i>	-284.57	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0571 EA 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,171.77	153.81
For >10 To 20, Deduct	-42.26	
For >20 To 40, Deduct	-75.87	
For >40, Deduct	-160.38	
26 56 13 00-0572 EA 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,233.09	169.19
For >10 To 20, Deduct	-44.25	
For >20 To 40, Deduct	-79.55	
For >40, Deduct	-168.04	
26 56 13 00-0573 EA 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,292.71	184.57
For >10 To 20, Deduct	-46.17	
For >20 To 40, Deduct	-83.11	
For >40, Deduct	-175.45	
26 56 13 00-0574 EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,321.57	184.57
For >10 To 20, Deduct	-47.33	
For >20 To 40, Deduct	-85.13	
For >40, Deduct	-179.78	
26 56 13 00-0575 EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,381.20	199.95
For >10 To 20, Deduct	-49.25	
For >20 To 40, Deduct	-88.69	
For >40, Deduct	-187.18	
26 56 13 00-0576 EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,442.52	215.33
For >10 To 20, Deduct	-51.24	
For >20 To 40, Deduct	-92.36	
For >40, Deduct	-194.84	
26 56 13 00-0577 EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,561.57	230.72
For >10 To 20, Deduct	-55.54	
For >20 To 40, Deduct	-100.08	
For >40, Deduct	-211.16	
26 56 13 00-0578 EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,700.98	246.10
For >10 To 20, Deduct	-60.66	
For >20 To 40, Deduct	-109.22	
For >40, Deduct	-230.54	
26 56 13 00-0579 EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,799.45	246.10
For >10 To 20, Deduct	-64.60	
For >20 To 40, Deduct	-116.12	
For >40, Deduct	-245.31	
26 56 13 00-0580 EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,930.38	261.48
For >10 To 20, Deduct	-69.37	
For >20 To 40, Deduct	-124.67	
For >40, Deduct	-263.41	
26 56 13 00-0581 EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	2,061.31	276.86
For >10 To 20, Deduct	-74.15	
For >20 To 40, Deduct	-133.22	
For >40, Deduct	-281.51	
<b>26 56 13 00-0582 Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0510)</b>		
26 56 13 00-0583 EA Open Or Capped Top For Fiberglass Area Light Poles.....	60.19	
26 56 13 00-0584 EA Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	60.19	
26 56 13 00-0585 EA Smooth Shaft Finish For Fiberglass Area Light Poles.....	114.21	
26 56 13 00-0586 EA Vibration Dampener For Fiberglass Area Light Poles.....	151.25	
<b>26 56 13 00-0587 Concrete Area Light Poles (26 56 13 00-0177)</b>		
<b>26 56 13 00-0588 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0587)</b>		
26 56 13 00-0589 EA 28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,999.67	522.95
26 56 13 00-0590 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,108.88	553.72
26 56 13 00-0591 EA 33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,186.22	569.10
26 56 13 00-0592 EA 36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,687.00	584.48
26 56 13 00-0593 EA 38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,976.21	615.24
26 56 13 00-0594 EA 43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,693.49	799.81
26 56 13 00-0595 EA 47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	4,431.47	984.38
26 56 13 00-0596 EA 27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	4,186.03	522.95
Note: Polished brown with acrylic coating finish.		
26 56 13 00-0597 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	4,818.50	553.72
Note: Polished brown with acrylic coating finish.		
26 56 13 00-0598 EA Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'.....	635.88	184.57
26 56 13 00-0599 EA 13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design.....	2,505.93	369.02
26 56 13 00-0600 EA Pole Base Cover For All Octagon Poles.....	246.14	75.30
26 56 13 00-0601 EA Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze.....	505.38	150.61
<b>26 56 13 00-0602 Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)</b>		
Note: Round or square.		
26 56 13 00-0603 EA 13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,067.69	246.10
26 56 13 00-0604 EA 16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,343.97	307.62
26 56 13 00-0605 EA 18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,595.78	369.14
26 56 13 00-0606 EA 30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,626.90	553.72
26 56 13 00-0607 EA 35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,168.62	584.48
26 56 13 00-0608 EA 40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,753.71	615.24
26 56 13 00-0609 EA 45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	5,532.73	799.81

**26 Electrical**  
**26 50 Lighting**  
 26 56 Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 56 13 00-0610 Round Tapered, Spun Concrete Area Light Poles, Direct Burial</b> (26 56 13 00-0587)		
26 56 13 00-0611 EA 60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	17,159.50	1,384.29
26 56 13 00-0612 EA 70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	20,373.99	1,652.82
26 56 13 00-0613 EA 80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	24,159.73	2,232.75
<b>26 56 13 00-0614 Treated Wood Area Light Poles</b> (26 56 13 00-0177) See CSI section 26 05 46 00-0001 for wood poles.		
<b>26 56 13 00-0615 Cast Iron Decorative Light Posts</b> (26 56 13 00-0177)		
<b>26 56 13 00-0616 Round Tapered, Cast Iron Decorative Light Post, Anchor Base</b> (26 56 13 00-0615) Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0617 EA 10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	1,632.93	153.81
26 56 13 00-0618 EA 12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	1,714.88	177.18
26 56 13 00-0619 EA 14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	1,863.24	184.57
26 56 13 00-0620 EA 16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	2,294.77	215.33
26 56 13 00-0621 EA 18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	2,688.69	233.79
26 56 13 00-0622 EA 20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	3,102.09	252.25
<b>26 56 13 00-0623 Landscape Light Poles</b> (26 56 13 00-0001) Note: Excludes lighting fixtures.		
<b>26 56 13 00-0624 Aluminum Landscape Light Poles</b> (26 56 13 00-0623) Note: Includes painted finish.		
<b>26 56 13 00-0625 Round Straight, Aluminum Landscape Light Poles</b> (26 56 13 00-0624)		
<b>26 56 13 00-0626 Round Straight, Aluminum Landscape Light Poles, Anchor Base</b> (26 56 13 00-0625)		
26 56 13 00-0627 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	446.14	184.57
26 56 13 00-0628 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	735.88	246.10
<b>26 56 13 00-0629 Round Straight, Aluminum Landscape Light Poles, Direct Burial</b> (26 56 13 00-0625)		
26 56 13 00-0630 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	409.90	184.57
26 56 13 00-0631 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	699.64	246.10
<b>26 56 13 00-0632 Steel Landscape Light Poles</b> (26 56 13 00-0623) Note: Includes painted finish.		
<b>26 56 13 00-0633 Round Straight, Steel Landscape Light Poles</b> (26 56 13 00-0632)		
<b>26 56 13 00-0634 Round Straight, Steel Landscape Light Poles, Anchor Base</b> (26 56 13 00-0633)		
26 56 13 00-0635 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base.....	498.38	184.57
<b>26 56 13 00-0636 Round Straight, Steel Landscape Light Poles, Direct Burial</b> (26 56 13 00-0633)		
26 56 13 00-0637 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial.....	469.43	184.57
<b>26 56 13 00-0638 Light Pole Brackets And Arms</b> (26 56 13 00-0001)		
<b>26 56 13 00-0639 Light Pole Brackets</b> (26 56 13 00-0638)		
<b>26 56 13 00-0640 Bullhorn Style, Pole Top Area Light Brackets</b> (26 56 13 00-0639)		
<b>26 56 13 00-0641 Round Bullhorn Style, Pole Top Area Light Brackets</b> (26 56 13 00-0640)		
<b>26 56 13 00-0642 Steel, Round Bullhorn Style, Pole Top Area Light Brackets</b> (26 56 13 00-0641) Note: Includes powdercoat finish.		
26 56 13 00-0643 EA Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	592.13	36.92
For Galvanized Finish, Add	51.83	
26 56 13 00-0644 EA Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	748.51	36.92
For Galvanized Finish, Add	67.47	
26 56 13 00-0645 EA Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	796.24	36.92
For Galvanized Finish, Add	72.24	
26 56 13 00-0646 EA Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	1,090.88	36.92
For Galvanized Finish, Add	101.71	
26 56 13 00-0647 EA Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	1,136.77	36.92
For Galvanized Finish, Add	106.29	
<b>26 56 13 00-0648 Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets</b> (26 56 13 00-0641) Note: Includes satin brushed or painted finish.		
26 56 13 00-0649 EA Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket .....	214.87	36.92
For Bronze Or Satin Anodized Finish, Add	14.10	
For Black Anodized Finish, Add	28.21	
26 56 13 00-0650 EA Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	259.86	36.92
For Bronze Or Satin Anodized Finish, Add	18.60	
For Black Anodized Finish, Add	37.21	
26 56 13 00-0651 EA Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	271.97	36.92
For Bronze Or Satin Anodized Finish, Add	19.81	
For Black Anodized Finish, Add	39.63	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0652 EA Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	314.37	36.92
<i>For Bronze Or Satin Anodized Finish, Add</i>	24.05	
<i>For Black Anodized Finish, Add</i>	48.11	
26 56 13 00-0653 EA Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	323.02	36.92
<i>For Bronze Or Satin Anodized Finish, Add</i>	24.92	
<i>For Black Anodized Finish, Add</i>	49.84	
<b>26 56 13 00-0654 Square Bullhorn Style, Pole Top Area Light Brackets</b> <small>(26 56 13 00-0640)</small>		
<b>26 56 13 00-0655 Steel, Square Bullhorn Style, Pole Top Area Light Brackets</b> <small>(26 56 13 00-0654)</small>		
Note: Includes powdercoat finish.		
26 56 13 00-0656 EA Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	636.78	36.92
<i>For Galvanized Finish, Add</i>	56.30	
26 56 13 00-0657 EA Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket .....	786.57	36.92
<i>For Galvanized Finish, Add</i>	71.27	
26 56 13 00-0658 EA Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket .....	962.49	36.92
<i>For Galvanized Finish, Add</i>	88.87	
26 56 13 00-0659 EA Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket .....	1,139.24	36.92
<i>For Galvanized Finish, Add</i>	106.54	
<b>26 56 13 00-0660 Wood Pole Clamp On Style, Pole Top Area Light Brackets</b> <small>(26 56 13 00-0639)</small>		
<b>26 56 13 00-0661 Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets</b> <small>(26 56 13 00-0660)</small>		
Note: Includes powdercoat finish.		
26 56 13 00-0662 EA One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket .....	602.46	61.52
26 56 13 00-0663 EA Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	909.04	61.52
26 56 13 00-0664 EA Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket .....	1,271.79	61.52
26 56 13 00-0665 EA Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket .....	1,391.13	61.52
<b>26 56 13 00-0666 Light Pole Arms</b> <small>(26 56 13 00-0638)</small>		
<b>26 56 13 00-0667 Wood Pole Streetlight Arms</b> <small>(26 56 13 00-0666)</small>		
<b>26 56 13 00-0668 Steel, Wood Pole Streetlight Arms</b> <small>(26 56 13 00-0667)</small>		
26 56 13 00-0669 EA 1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	349.83	55.37
26 56 13 00-0670 EA 1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	370.16	61.52
26 56 13 00-0671 EA 1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	429.11	76.91
26 56 13 00-0672 EA 2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	517.07	61.52
26 56 13 00-0673 EA 2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	575.61	76.91
26 56 13 00-0674 EA 2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	698.76	92.29
<b>26 56 13 00-0675 Aluminum, Wood Pole Streetlight Arms</b> <small>(26 56 13 00-0667)</small>		
26 56 13 00-0676 EA 1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	219.94	61.52
26 56 13 00-0677 EA 2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	269.63	61.52
26 56 13 00-0678 EA 2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	359.42	76.91
26 56 13 00-0679 EA 2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	469.81	92.29
<b>26 56 13 00-0680 Area Light Arms</b> <small>(26 56 13 00-0666)</small>		
<b>26 56 13 00-0681 Steel Area Light Arms</b> <small>(26 56 13 00-0680)</small>		
26 56 13 00-0682 EA Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	669.66	61.52
26 56 13 00-0683 EA Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,051.37	67.68
26 56 13 00-0684 EA Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,168.29	73.83
26 56 13 00-0685 EA Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,387.71	79.98
26 56 13 00-0686 EA Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	798.64	76.91
26 56 13 00-0687 EA Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,141.91	83.06
<b>26 56 13 00-0688 Aluminum Area Light Arms</b> <small>(26 56 13 00-0680)</small>		
26 56 13 00-0689 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	264.09	61.52
26 56 13 00-0690 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	326.00	76.91
26 56 13 00-0691 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	389.64	92.29
26 56 13 00-0692 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	262.36	61.52
26 56 13 00-0693 EA Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	368.11	67.68
26 56 13 00-0694 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	322.54	76.91
26 56 13 00-0695 EA Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	449.06	83.06
26 56 13 00-0696 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	391.37	92.29
26 56 13 00-0697 EA Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	544.71	98.44
<b>26 56 13 00-0698 Removal And Reinstallation Of Lighting Pole</b> <small>(26 56 13 00-0001)</small>		
26 56 13 00-0699 EA Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms .....	2,030.29	
<b>26 56 13 00-0700 High Mast Lighting</b> <small>(26 56 13 00-0001)</small>		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>26 56 13 00-0701</b>	<b>High Mast Lighting Assemblies</b> <small>(26 56 13 00-0700)</small>		
	Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole.		
26 56 13 00-0702	EA 60' High Mast Lighting Assembly .....	52,708.42	1,834.68
26 56 13 00-0703	EA 70' High Mast Lighting Assembly .....	55,679.11	1,921.56
26 56 13 00-0704	EA 80' High Mast Lighting Assembly .....	58,677.10	2,047.06
26 56 13 00-0705	EA 90' High Mast Lighting Assembly .....	61,700.59	2,211.18
26 56 13 00-0706	EA 100' High Mast Lighting Assembly .....	64,736.87	2,413.84
26 56 13 00-0707	EA 110' High Mast Lighting Assembly .....	68,643.79	2,655.41
26 56 13 00-0708	EA 120' High Mast Lighting Assembly .....	71,794.09	2,896.77
26 56 13 00-0709	EA 130' High Mast Lighting Assembly .....	74,700.64	3,138.14
26 56 13 00-0710	EA 140' High Mast Lighting Assembly .....	77,850.94	3,379.63
26 56 13 00-0711	EA 150' High Mast Lighting Assembly .....	81,690.99	3,620.99
<b>26 56 13 00-0712</b>	<b>High Mast Light Poles</b> <small>(26 56 13 00-0700)</small>		
26 56 13 00-0713	EA 60' High Mast Light Poles .....	19,920.30	1,101.88
26 56 13 00-0714	EA 70' High Mast Light Poles .....	22,864.90	1,154.07
26 56 13 00-0715	EA 80' High Mast Light Poles .....	25,825.20	1,229.46
26 56 13 00-0716	EA 90' High Mast Light Poles .....	28,799.38	1,328.05
26 56 13 00-0717	EA 100' High Mast Light Poles .....	31,789.27	1,449.83
26 56 13 00-0718	EA 110' High Mast Light Poles .....	34,794.86	1,594.82
26 56 13 00-0719	EA 120' High Mast Light Poles .....	37,060.16	1,739.81
26 56 13 00-0720	EA 130' High Mast Light Poles .....	37,195.10	3,224.44
26 56 13 00-0721	EA 140' High Mast Light Poles .....	41,345.18	2,029.77
26 56 13 00-0722	EA 150' High Mast Light Poles .....	43,856.04	2,174.75
<b>26 56 13 00-0723</b>	<b>High Mast Lighting Accessories</b> <small>(26 56 13 00-0700)</small>		
26 56 13 00-0724	EA Bottom Latching System For High Mast Lighting .....	920.42	
26 56 13 00-0725	EA Top Latching System For High Mast Lighting .....	2,619.19	
26 56 13 00-0726	EA Centering Springs For High Mast Lighting .....	1,983.79	
26 56 13 00-0727	EA Electric Power Cord For High Mast Lighting .....	830.21	
26 56 13 00-0728	EA Aircraft Warning Lights For High Mast Lighting .....	1,540.50	
26 56 13 00-0729	EA Internal Motorized Hoist For High Mast Lighting .....	17,079.98	
26 56 13 00-0730	EA Portable Hoist Motor With Step Down Transformer For High Mast Lighting .....	17,169.08	
<b>26 56 13 00-0731</b>	<b>Concrete Bases</b> <small>(26 56 13 00-0001)</small>		
<b>26 56 13 00-0732</b>	<b>Concrete Bases, Cast In Place</b> <small>(26 56 13 00-0731)</small>		
	Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0733	EA Cast In Place Concrete Base For Poles Minimum Charge .....	330.16	
	Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
26 56 13 00-0734	VLF 1-1/2' Diameter Concrete Base For Poles .....	48.24	
26 56 13 00-0735	VLF 2' Diameter Concrete Base For Poles .....	72.08	
26 56 13 00-0736	VLF 2-1/2' Diameter Concrete Base For Poles .....	101.26	
26 56 13 00-0737	VLF 3' Diameter Concrete Base For Poles .....	136.79	
26 56 13 00-0738	VLF 3-1/2' Diameter Concrete Base For Poles .....	182.49	
26 56 13 00-0739	VLF 4' Diameter Concrete Base For Poles .....	230.99	
26 56 13 00-0740	VLF 5' Diameter Concrete Base For Poles .....	338.36	
26 56 13 00-0741	VLF 6' Diameter Concrete Base For Poles .....	467.68	
<b>26 56 17</b>	<b>Fluorescent Exterior Lighting</b> <small>(26 56)</small>		
<b>26 56 17 00-0001</b>	<b>High Abuse Fixtures</b> <small>(26 56 17)</small>		
26 56 17 00-0002	EA 2 Lamp, 32 Watt, 4', Fluorescent Fixture Ceiling/Wall Mount Kenall #SH8-48-2-32-EB .....	338.12	71.47
<b>26 56 18</b>	<b>Incandescent Exterior Lighting</b> <small>(26 56)</small>		
<b>26 56 18 00-0001</b>	<b>Exterior Globe</b> <small>(26 56 18)</small>		
<b>26 56 18 00-0002</b>	<b>Incandescent, Exterior Globe</b> <small>(26 56 18 00-0001)</small>		
26 56 18 00-0003	EA 100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture .....	52.69	19.06
26 56 18 00-0004	EA 150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture .....	81.74	19.06
26 56 18 00-0005	EA 100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture .....	62.22	19.06
26 56 18 00-0006	EA 150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture .....	85.41	19.06
<b>26 56 18 00-0007</b>	<b>Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures</b> <small>(26 56 18)</small>		
	Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 18 00-0008	EA 7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	202.54	76.23
26 56 18 00-0009	EA 9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	212.11	81.00
26 56 18 00-0010	EA 13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	231.07	85.76
26 56 18 00-0011	EA 75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	233.92	95.29



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 18 00-0012	EA		100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	264.01	109.58
26 56 18 00-0013	EA		1 - 13 Watt Lamp, Fluorescent, Vandal Resistant, Surface Mounted, Exterior Area Fixture (Fail-Safe FSP Series).....	222.92	85.76
26 56 18 00-0014	EA		2 - 13 Watt Lamps, Fluorescent, Vandal Resistant, Surface Mounted, Exterior Area Fixture (Fail-Safe FSP Series).....	227.76	85.76
26 56 18 00-0015	EA		1 - 26 Watt Lamp, Fluorescent, Vandal Resistant, Surface Mounted, Exterior Area Fixture (Fail-Safe FSP Series).....	224.05	85.76
26 56 18 00-0016	EA		2 - 26 Watt Lamps, Fluorescent, Vandal Resistant, Surface Mounted, Exterior Area Fixture (Fail-Safe FSP Series).....	230.01	85.76
<b>26 56 19</b>			<b>LED Exterior Lighting</b> <small>(26 56)</small>		
26 56 19 00-0001			LED, Roadway Lighting <small>(26 56 19)</small>		
26 56 19 00-0002			LED Roadway Lighting (Philips Lumec) <small>(26 56 19 00-0001)</small>		
26 56 19 00-0003			Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) <small>(26 56 19 00-0002)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0004	EA		49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series).....	1,480.32	146.00
			For >50 To 100, Deduct	-74.02	
			For >100 To 250, Deduct	-111.02	
			For >250 To 500, Deduct	-177.74	
			For >500 To 1000, Deduct	-244.46	
			For >1000, Deduct	-311.17	
26 56 19 00-0005	EA		98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series).....	2,327.44	149.95
			For >50 To 100, Deduct	-116.37	
			For >100 To 250, Deduct	-174.56	
			For >250 To 500, Deduct	-283.43	
			For >500 To 1000, Deduct	-392.31	
			For >1000, Deduct	-501.18	
26 56 19 00-0006			Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series) <small>(26 56 19 00-0002)</small>		
			Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0007	EA		48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series).....	1,067.81	146.00
			For >50 To 100, Deduct	-53.39	
			For >100 To 250, Deduct	-80.09	
			For >250 To 500, Deduct	-126.18	
			For >500 To 1000, Deduct	-172.27	
			For >1000, Deduct	-218.36	
26 56 19 00-0008	EA		48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	1,067.81	146.00
			For >50 To 100, Deduct	-53.39	
			For >100 To 250, Deduct	-80.09	
			For >250 To 500, Deduct	-126.18	
			For >500 To 1000, Deduct	-172.27	
			For >1000, Deduct	-218.36	
26 56 19 00-0009	EA		48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	1,067.81	146.00
			For >50 To 100, Deduct	-53.39	
			For >100 To 250, Deduct	-80.09	
			For >250 To 500, Deduct	-126.18	
			For >500 To 1000, Deduct	-172.27	
			For >1000, Deduct	-218.36	
26 56 19 00-0010			LED Roadway Lighting (Lithonia) <small>(26 56 19 00-0001)</small>		
26 56 19 00-0011			Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) <small>(26 56 19 00-0010)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0012	EA		30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	2,165.96	138.12
			For >50 To 100, Deduct	-108.30	
			For >100 To 250, Deduct	-162.45	
			For >250 To 500, Deduct	-263.84	
			For >500 To 1000, Deduct	-365.23	
			For >1000, Deduct	-466.62	
26 56 19 00-0013	EA		60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	3,599.41	142.06
			For >50 To 100, Deduct	-179.97	
			For >100 To 250, Deduct	-269.96	
			For >250 To 500, Deduct	-442.82	
			For >500 To 1000, Deduct	-615.69	
			For >1000, Deduct	-788.56	
26 56 19 00-0014			LED Roadway Lighting (CREE® BetaLED®) <small>(26 56 19 00-0001)</small>		
26 56 19 00-0015			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) <small>(26 56 19 00-0014)</small>		
			Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 56</b>	<b>Exterior Lighting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0016 EA 20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	755.20	134.17
For >50 To 100, Deduct	-37.76	
For >100 To 250, Deduct	-56.64	
For >250 To 500, Deduct	-87.69	
For >500 To 1000, Deduct	-118.74	
For >1000, Deduct	-149.80	
26 56 19 00-0017 EA 30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	845.67	138.12
For >50 To 100, Deduct	-42.28	
For >100 To 250, Deduct	-63.43	
For >250 To 500, Deduct	-98.80	
For >500 To 1000, Deduct	-134.18	
For >1000, Deduct	-169.56	
26 56 19 00-0018 EA 40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	954.63	142.06
For >50 To 100, Deduct	-47.73	
For >100 To 250, Deduct	-71.60	
For >250 To 500, Deduct	-112.23	
For >500 To 1000, Deduct	-152.85	
For >1000, Deduct	-193.48	
26 56 19 00-0019 EA 50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,046.51	146.00
For >50 To 100, Deduct	-52.33	
For >100 To 250, Deduct	-78.49	
For >250 To 500, Deduct	-123.51	
For >500 To 1000, Deduct	-168.54	
For >1000, Deduct	-213.56	
26 56 19 00-0020 EA 60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,138.40	149.95
For >50 To 100, Deduct	-56.92	
For >100 To 250, Deduct	-85.38	
For >250 To 500, Deduct	-134.80	
For >500 To 1000, Deduct	-184.22	
For >1000, Deduct	-233.65	
26 56 19 00-0021 EA 70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,355.55	153.90
For >50 To 100, Deduct	-67.78	
For >100 To 250, Deduct	-101.67	
For >250 To 500, Deduct	-161.75	
For >500 To 1000, Deduct	-221.83	
For >1000, Deduct	-281.91	
26 56 19 00-0022 EA 80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,447.44	157.85
For >50 To 100, Deduct	-72.37	
For >100 To 250, Deduct	-108.56	
For >250 To 500, Deduct	-173.04	
For >500 To 1000, Deduct	-237.52	
For >1000, Deduct	-302.00	
26 56 19 00-0023 EA 90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,537.90	161.79
For >50 To 100, Deduct	-76.90	
For >100 To 250, Deduct	-115.34	
For >250 To 500, Deduct	-184.15	
For >500 To 1000, Deduct	-252.95	
For >1000, Deduct	-321.76	
26 56 19 00-0024 EA 100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,713.79	165.73
For >50 To 100, Deduct	-85.69	
For >100 To 250, Deduct	-128.53	
For >250 To 500, Deduct	-205.94	
For >500 To 1000, Deduct	-283.34	
For >1000, Deduct	-360.74	
26 56 19 00-0025 EA 110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,805.66	169.69
For >50 To 100, Deduct	-90.28	
For >100 To 250, Deduct	-135.42	
For >250 To 500, Deduct	-217.22	
For >500 To 1000, Deduct	-299.02	
For >1000, Deduct	-380.82	
26 56 19 00-0026 EA 120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,897.55	173.63
For >50 To 100, Deduct	-94.88	
For >100 To 250, Deduct	-142.32	
For >250 To 500, Deduct	-228.51	
For >500 To 1000, Deduct	-314.71	
For >1000, Deduct	-400.90	

**26 56 19 00-0027 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG)** (26 56 19 00-0014)

Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0028 EA 40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,474.24	142.06
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-73.71	
For >100 To 250, Deduct	-110.57	
For >250 To 500, Deduct	-177.18	
For >500 To 1000, Deduct	-243.79	
For >1000, Deduct	-310.40	
26 56 19 00-0029 EA 60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,699.30	149.95
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-84.97	
For >100 To 250, Deduct	-127.45	
For >250 To 500, Deduct	-204.91	
For >500 To 1000, Deduct	-282.38	
For >1000, Deduct	-359.85	
26 56 19 00-0030 EA 80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,924.35	157.85
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-96.22	
For >100 To 250, Deduct	-144.33	
For >250 To 500, Deduct	-232.65	
For >500 To 1000, Deduct	-320.98	
For >1000, Deduct	-409.30	
26 56 19 00-0031 EA 100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,149.40	165.73
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-107.47	
For >100 To 250, Deduct	-161.21	
For >250 To 500, Deduct	-260.39	
For >500 To 1000, Deduct	-359.57	
For >1000, Deduct	-458.75	
26 56 19 00-0032 EA 120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,818.61	173.63
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-140.93	
For >100 To 250, Deduct	-211.40	
For >250 To 500, Deduct	-343.64	
For >500 To 1000, Deduct	-475.89	
For >1000, Deduct	-608.14	
26 56 19 00-0033 EA 140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,043.66	181.52
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-152.18	
For >100 To 250, Deduct	-228.27	
For >250 To 500, Deduct	-371.38	
For >500 To 1000, Deduct	-514.49	
For >1000, Deduct	-657.60	
26 56 19 00-0034 EA 160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,268.71	189.42
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-163.44	
For >100 To 250, Deduct	-245.15	
For >250 To 500, Deduct	-399.12	
For >500 To 1000, Deduct	-553.08	
For >1000, Deduct	-707.05	
<b>26 56 19 00-0035 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE®</b>		
<b>BetaLED® XSP)</b> <small>(26 56 19 00-0014)</small>		
Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0036 EA 4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	634.95	142.06
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Backlight Control Shield, Add	30.08	
For Field Adjustable Output, Add	25.19	
For Bird Spikes, Add	45.94	
For Field Adjustable Output And Utility Label, Add	33.58	
For Fuse, Add	50.37	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	50.37	
For 480 Volt, Add	75.56	
For Multi-Level, Add	109.13	
For >50 To 100, Deduct	-31.75	
For >100 To 250, Deduct	-47.62	
For >250 To 500, Deduct	-72.27	
For >500 To 1000, Deduct	-96.91	
For >1000, Deduct	-121.55	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0037	EA		5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	634.95	142.06
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Backlight Control Shield, Add</i>	30.08	
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Bird Spikes, Add</i>	45.94	
			<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
			<i>For Fuse, Add</i>	50.37	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For &gt;50 To 100, Deduct</i>	-31.75	
			<i>For &gt;100 To 250, Deduct</i>	-47.62	
			<i>For &gt;250 To 500, Deduct</i>	-72.27	
			<i>For &gt;500 To 1000, Deduct</i>	-96.91	
			<i>For &gt;1000, Deduct</i>	-121.55	
26 56 19 00-0038	EA		8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	698.41	142.06
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Backlight Control Shield, Add</i>	30.08	
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Bird Spikes, Add</i>	45.94	
			<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For &gt;50 To 100, Deduct</i>	-34.92	
			<i>For &gt;100 To 250, Deduct</i>	-52.38	
			<i>For &gt;250 To 500, Deduct</i>	-80.20	
			<i>For &gt;500 To 1000, Deduct</i>	-108.02	
			<i>For &gt;1000, Deduct</i>	-135.83	
26 56 19 00-0039	EA		8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	698.41	142.06
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Backlight Control Shield, Add</i>	30.08	
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Bird Spikes, Add</i>	45.94	
			<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For &gt;50 To 100, Deduct</i>	-34.92	
			<i>For &gt;100 To 250, Deduct</i>	-52.38	
			<i>For &gt;250 To 500, Deduct</i>	-80.20	
			<i>For &gt;500 To 1000, Deduct</i>	-108.02	
			<i>For &gt;1000, Deduct</i>	-135.83	
26 56 19 00-0040	EA		9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	811.23	142.06
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Backlight Control Shield, Add</i>	42.41	
			<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
			<i>For Fuse, Add</i>	50.37	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
			<i>For Bird Spikes, Add</i>	74.16	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For &gt;50 To 100, Deduct</i>	-40.56	
			<i>For &gt;100 To 250, Deduct</i>	-60.84	
			<i>For &gt;250 To 500, Deduct</i>	-94.30	
			<i>For &gt;500 To 1000, Deduct</i>	-127.76	
			<i>For &gt;1000, Deduct</i>	-161.22	
26 56 19 00-0041	EA		10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	811.23	142.06
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Backlight Control Shield, Add</i>	42.41	
			<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
			<i>For Fuse, Add</i>	50.37	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
			<i>For Bird Spikes, Add</i>	74.16	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For &gt;50 To 100, Deduct</i>	-40.56	
			<i>For &gt;100 To 250, Deduct</i>	-60.84	
			<i>For &gt;250 To 500, Deduct</i>	-94.30	
			<i>For &gt;500 To 1000, Deduct</i>	-127.76	
			<i>For &gt;1000, Deduct</i>	-161.22	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0042 EA 13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	917.02	142.06
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Field Adjustable Output, Add	25.19	
For Backlight Control Shield, Add	42.41	
For Field Adjustable Output And Utility Label, Add	33.58	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	50.37	
For Bird Spikes, Add	74.16	
For 480 Volt, Add	75.56	
For >50 To 100, Deduct	-45.85	
For >100 To 250, Deduct	-68.78	
For >250 To 500, Deduct	-107.52	
For >500 To 1000, Deduct	-146.27	
For >1000, Deduct	-185.02	
26 56 19 00-0043 EA 14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	917.02	142.06
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Field Adjustable Output, Add	25.19	
For Backlight Control Shield, Add	42.41	
For Field Adjustable Output And Utility Label, Add	33.58	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	50.37	
For Bird Spikes, Add	74.16	
For 480 Volt, Add	75.56	
For >50 To 100, Deduct	-45.85	
For >100 To 250, Deduct	-68.78	
For >250 To 500, Deduct	-107.52	
For >500 To 1000, Deduct	-146.27	
For >1000, Deduct	-185.02	
26 56 19 00-0044 EA 2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	522.12	142.06
For Utility Label, Add	8.39	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	25.19	
For 0 To 10 Volt Dimming, Add	50.37	
For >50 To 100, Deduct	-26.11	
For >100 To 250, Deduct	-39.16	
For >250 To 500, Deduct	-58.16	
For >500 To 1000, Deduct	-77.17	
For >1000, Deduct	-96.17	
26 56 19 00-0045 EA 2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	522.12	142.06
For Utility Label, Add	8.39	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	25.19	
For 0 To 10 Volt Dimming, Add	50.37	
For >50 To 100, Deduct	-26.11	
For >100 To 250, Deduct	-39.16	
For >250 To 500, Deduct	-58.16	
For >500 To 1000, Deduct	-77.17	
For >1000, Deduct	-96.17	
26 56 19 00-0046 EA 3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	548.57	142.06
For Utility Label, Add	8.39	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	25.19	
For 0 To 10 Volt Dimming, Add	50.37	
For >50 To 100, Deduct	-27.43	
For >100 To 250, Deduct	-41.14	
For >250 To 500, Deduct	-61.47	
For >500 To 1000, Deduct	-81.79	
For >1000, Deduct	-102.12	
26 56 19 00-0047 EA 4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	548.57	142.06
For Utility Label, Add	8.39	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	25.19	
For 0 To 10 Volt Dimming, Add	50.37	
For >50 To 100, Deduct	-27.43	
For >100 To 250, Deduct	-41.14	
For >250 To 500, Deduct	-61.47	
For >500 To 1000, Deduct	-81.79	
For >1000, Deduct	-102.12	
26 56 19 00-0048 EA 4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	557.38	142.06
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Field Adjustable Output, Add	25.19	
For Field Adjustable Output And Utility Label, Add	33.58	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	50.37	
For 0 To 10 Volt Dimming, Add	50.37	
For >50 To 100, Deduct	-27.87	
For >100 To 250, Deduct	-41.80	
For >250 To 500, Deduct	-62.57	
For >500 To 1000, Deduct	-83.34	
For >1000, Deduct	-104.10	

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 56</b>	<b>Exterior Lighting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0049	EA		4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	557.38	142.06
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For &gt;50 To 100, Deduct</i>	-27.87	
			<i>For &gt;100 To 250, Deduct</i>	-41.80	
			<i>For &gt;250 To 500, Deduct</i>	-62.57	
			<i>For &gt;500 To 1000, Deduct</i>	-83.34	
			<i>For &gt;1000, Deduct</i>	-104.10	
26 56 19 00-0050			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)</b>		
			<small>(26 56 19 00-0014)</small> Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.		
26 56 19 00-0051	EA		3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N).....	539.75	142.06
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Backlight Control Shield, Add</i>	56.19	
			<i>For Bird Spikes, Add</i>	74.65	
			<i>For &gt;50 To 100, Deduct</i>	-26.99	
			<i>For &gt;100 To 250, Deduct</i>	-40.48	
			<i>For &gt;250 To 500, Deduct</i>	-60.37	
			<i>For &gt;500 To 1000, Deduct</i>	-80.25	
			<i>For &gt;1000, Deduct</i>	-100.13	
26 56 19 00-0052	EA		3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N).....	539.75	142.06
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Backlight Control Shield, Add</i>	56.19	
			<i>For Bird Spikes, Add</i>	74.65	
			<i>For &gt;50 To 100, Deduct</i>	-26.99	
			<i>For &gt;100 To 250, Deduct</i>	-40.48	
			<i>For &gt;250 To 500, Deduct</i>	-60.37	
			<i>For &gt;500 To 1000, Deduct</i>	-80.25	
			<i>For &gt;1000, Deduct</i>	-100.13	
26 56 19 00-0053	EA		5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N).....	557.38	142.06
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Backlight Control Shield, Add</i>	56.19	
			<i>For Bird Spikes, Add</i>	74.65	
			<i>For &gt;50 To 100, Deduct</i>	-27.87	
			<i>For &gt;100 To 250, Deduct</i>	-41.80	
			<i>For &gt;250 To 500, Deduct</i>	-62.57	
			<i>For &gt;500 To 1000, Deduct</i>	-83.34	
			<i>For &gt;1000, Deduct</i>	-104.10	
26 56 19 00-0054	EA		5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N).....	557.38	142.06
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Backlight Control Shield, Add</i>	56.19	
			<i>For Bird Spikes, Add</i>	74.65	
			<i>For &gt;50 To 100, Deduct</i>	-27.87	
			<i>For &gt;100 To 250, Deduct</i>	-41.80	
			<i>For &gt;250 To 500, Deduct</i>	-62.57	
			<i>For &gt;500 To 1000, Deduct</i>	-83.34	
			<i>For &gt;1000, Deduct</i>	-104.10	
26 56 19 00-0055			<b>LED Roadway Lighting (Cooper Lighting)</b> <small>(26 56 19 00-0001)</small>		
26 56 19 00-0056			<b>Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™)</b> <small>(26 56 19 00-0055)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0057	EA		1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	933.96	142.06
			<i>For &gt;50 To 100, Deduct</i>	-46.70	
			<i>For &gt;100 To 250, Deduct</i>	-70.05	
			<i>For &gt;250 To 500, Deduct</i>	-109.64	
			<i>For &gt;500 To 1000, Deduct</i>	-149.24	
			<i>For &gt;1000, Deduct</i>	-188.83	
26 56 19 00-0058	EA		2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,273.21	157.85
			<i>For &gt;50 To 100, Deduct</i>	-63.66	
			<i>For &gt;100 To 250, Deduct</i>	-95.49	
			<i>For &gt;250 To 500, Deduct</i>	-151.26	
			<i>For &gt;500 To 1000, Deduct</i>	-207.03	
			<i>For &gt;1000, Deduct</i>	-262.80	
26 56 19 00-0059	EA		3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,363.13	181.52
			<i>For &gt;50 To 100, Deduct</i>	-68.16	
			<i>For &gt;100 To 250, Deduct</i>	-102.23	
			<i>For &gt;250 To 500, Deduct</i>	-161.32	
			<i>For &gt;500 To 1000, Deduct</i>	-220.40	
			<i>For &gt;1000, Deduct</i>	-279.48	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0060 EA 4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	2,043.54	197.30
For >50 To 100, Deduct	-102.18	
For >100 To 250, Deduct	-153.27	
For >250 To 500, Deduct	-245.58	
For >500 To 1000, Deduct	-337.89	
For >1000, Deduct	-430.20	
26 56 19 00-0061 EA 6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	2,687.41	224.62
For >50 To 100, Deduct	-134.37	
For >100 To 250, Deduct	-201.56	
For >250 To 500, Deduct	-324.70	
For >500 To 1000, Deduct	-447.83	
For >1000, Deduct	-570.97	
<b>26 56 19 00-0062 LED Roadway Lighting (PlanLED) (26 56 19 00-0001)</b>		
<b>26 56 19 00-0063 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) (26 56 19 00-0062)</b>		
Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0064 EA 8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W) .....	1,129.35	138.12
For >50 To 100, Deduct	-56.47	
For >100 To 250, Deduct	-84.70	
For >250 To 500, Deduct	-134.26	
For >500 To 1000, Deduct	-183.82	
For >1000, Deduct	-233.39	
26 56 19 00-0065 EA 11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W) .....	1,230.67	139.63
For >50 To 100, Deduct	-61.53	
For >100 To 250, Deduct	-92.30	
For >250 To 500, Deduct	-146.85	
For >500 To 1000, Deduct	-201.40	
For >1000, Deduct	-255.96	
26 56 19 00-0066 EA 15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W) .....	1,310.22	142.06
For >50 To 100, Deduct	-65.51	
For >100 To 250, Deduct	-98.27	
For >250 To 500, Deduct	-156.67	
For >500 To 1000, Deduct	-215.08	
For >1000, Deduct	-273.49	
<b>26 56 19 00-0067 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) (26 56 19 00-0062)</b>		
Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0068 EA 7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060) .....	735.42	134.77
For >50 To 100, Deduct	-36.77	
For >100 To 250, Deduct	-55.16	
For >250 To 500, Deduct	-85.19	
For >500 To 1000, Deduct	-115.22	
For >1000, Deduct	-145.25	
26 56 19 00-0069 EA 10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080) .....	789.42	137.21
For >50 To 100, Deduct	-39.47	
For >100 To 250, Deduct	-59.21	
For >250 To 500, Deduct	-91.82	
For >500 To 1000, Deduct	-124.43	
For >1000, Deduct	-157.04	
26 56 19 00-0070 EA 12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100) .....	874.88	139.63
For >50 To 100, Deduct	-43.74	
For >100 To 250, Deduct	-65.62	
For >250 To 500, Deduct	-102.38	
For >500 To 1000, Deduct	-139.14	
For >1000, Deduct	-175.90	
<b>26 56 19 00-0071 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) (26 56 19 00-0062)</b>		
Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0072 EA 13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100) .....	931.88	139.63
For 0 To 10 Volt Dimming, Add	84.95	
For 480 Volt, Add	84.95	
For >50 To 100, Deduct	-46.59	
For >100 To 250, Deduct	-69.89	
For >250 To 500, Deduct	-109.50	
For >500 To 1000, Deduct	-149.12	
For >1000, Deduct	-188.73	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0073	EA		16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130).....	1,036.52	140.85
			<i>For 0 To 10 Volt Dimming, Add</i>	84.95	
			<i>For 480 Volt, Add</i>	25.66	
			<i>For &gt;50 To 100, Deduct</i>	-51.83	
			<i>For &gt;100 To 250, Deduct</i>	-77.74	
			<i>For &gt;250 To 500, Deduct</i>	-122.52	
			<i>For &gt;500 To 1000, Deduct</i>	-167.31	
			<i>For &gt;1000, Deduct</i>	-212.09	
26 56 19 00-0074	EA		19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150).....	1,117.58	142.06
			<i>For 0 To 10 Volt Dimming, Add</i>	84.95	
			<i>For 480 Volt, Add</i>	106.13	
			<i>For &gt;50 To 100, Deduct</i>	-55.88	
			<i>For &gt;100 To 250, Deduct</i>	-83.82	
			<i>For &gt;250 To 500, Deduct</i>	-132.59	
			<i>For &gt;500 To 1000, Deduct</i>	-181.37	
			<i>For &gt;1000, Deduct</i>	-230.15	
26 56 19 00-0075			<b>LED Roadway Lighting (General Electric) <small>(26 56 19 00-0001)</small></b>		
26 56 19 00-0076			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric)</b> <small>(26 56 19 00-0075)</small> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		
26 56 19 00-0077	EA		2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY) .....	555.42	134.17
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;50 To 100, Deduct</i>	-27.77	
			<i>For &gt;100 To 250, Deduct</i>	-41.66	
			<i>For &gt;250 To 500, Deduct</i>	-62.72	
			<i>For &gt;500 To 1000, Deduct</i>	-83.78	
			<i>For &gt;1000, Deduct</i>	-104.84	
26 56 19 00-0078	EA		3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY) .....	559.07	135.99
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;50 To 100, Deduct</i>	-27.95	
			<i>For &gt;100 To 250, Deduct</i>	-41.93	
			<i>For &gt;250 To 500, Deduct</i>	-63.08	
			<i>For &gt;500 To 1000, Deduct</i>	-84.24	
			<i>For &gt;1000, Deduct</i>	-105.39	
26 56 19 00-0079	EA		4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY) .....	583.18	138.12
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;50 To 100, Deduct</i>	-29.16	
			<i>For &gt;100 To 250, Deduct</i>	-43.74	
			<i>For &gt;250 To 500, Deduct</i>	-65.99	
			<i>For &gt;500 To 1000, Deduct</i>	-88.25	
			<i>For &gt;1000, Deduct</i>	-110.50	
26 56 19 00-0080	EA		5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY) .....	607.89	139.63
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;50 To 100, Deduct</i>	-30.39	
			<i>For &gt;100 To 250, Deduct</i>	-45.59	
			<i>For &gt;250 To 500, Deduct</i>	-69.00	
			<i>For &gt;500 To 1000, Deduct</i>	-92.42	
			<i>For &gt;1000, Deduct</i>	-115.83	
26 56 19 00-0081	EA		7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY) .....	673.53	142.67
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;50 To 100, Deduct</i>	-33.68	
			<i>For &gt;100 To 250, Deduct</i>	-50.51	
			<i>For &gt;250 To 500, Deduct</i>	-77.06	
			<i>For &gt;500 To 1000, Deduct</i>	-103.60	
			<i>For &gt;1000, Deduct</i>	-130.14	
26 56 19 00-0082	EA		8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY) .....	708.46	143.88
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;50 To 100, Deduct</i>	-35.42	
			<i>For &gt;100 To 250, Deduct</i>	-53.13	
			<i>For &gt;250 To 500, Deduct</i>	-81.36	
			<i>For &gt;500 To 1000, Deduct</i>	-109.59	
			<i>For &gt;1000, Deduct</i>	-137.82	
26 56 19 00-0083	EA		9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY) .....	774.11	146.00
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;50 To 100, Deduct</i>	-38.71	
			<i>For &gt;100 To 250, Deduct</i>	-58.06	
			<i>For &gt;250 To 500, Deduct</i>	-89.46	
			<i>For &gt;500 To 1000, Deduct</i>	-120.87	
			<i>For &gt;1000, Deduct</i>	-152.27	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0084	EA		13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY).....	913.81	149.95
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;50 To 100, Deduct</i>	-45.69	
			<i>For &gt;100 To 250, Deduct</i>	-68.54	
			<i>For &gt;250 To 500, Deduct</i>	-106.73	
			<i>For &gt;500 To 1000, Deduct</i>	-144.92	
			<i>For &gt;1000, Deduct</i>	-183.11	
26 56 19 00-0085	EA		19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY).....	1,074.04	157.85
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;50 To 100, Deduct</i>	-53.70	
			<i>For &gt;100 To 250, Deduct</i>	-80.55	
			<i>For &gt;250 To 500, Deduct</i>	-126.36	
			<i>For &gt;500 To 1000, Deduct</i>	-172.17	
			<i>For &gt;1000, Deduct</i>	-217.98	
26 56 19 00-0086			<b>LED Roadway Lighting (Acuity AEL Autobahn)</b> (26 56 19 00-0001)		
26 56 19 00-0087			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn)</b> (26 56 19 00-0086)		
			Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0088	EA		4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70).....	1,094.00	138.12
			<i>For &gt;50 To 100, Deduct</i>	-54.70	
			<i>For &gt;100 To 250, Deduct</i>	-82.05	
			<i>For &gt;250 To 500, Deduct</i>	-129.84	
			<i>For &gt;500 To 1000, Deduct</i>	-177.64	
			<i>For &gt;1000, Deduct</i>	-225.43	
26 56 19 00-0089	EA		6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70).....	1,364.13	142.06
			<i>For &gt;50 To 100, Deduct</i>	-68.21	
			<i>For &gt;100 To 250, Deduct</i>	-102.31	
			<i>For &gt;250 To 500, Deduct</i>	-163.41	
			<i>For &gt;500 To 1000, Deduct</i>	-224.52	
			<i>For &gt;1000, Deduct</i>	-285.62	
26 56 19 00-0090	EA		9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70).....	1,912.16	146.00
			<i>For &gt;50 To 100, Deduct</i>	-95.61	
			<i>For &gt;100 To 250, Deduct</i>	-143.41	
			<i>For &gt;250 To 500, Deduct</i>	-231.72	
			<i>For &gt;500 To 1000, Deduct</i>	-320.03	
			<i>For &gt;1000, Deduct</i>	-408.34	
26 56 19 00-0091	EA		13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70).....	2,463.69	151.77
			<i>For &gt;50 To 100, Deduct</i>	-123.18	
			<i>For &gt;100 To 250, Deduct</i>	-184.78	
			<i>For &gt;250 To 500, Deduct</i>	-300.37	
			<i>For &gt;500 To 1000, Deduct</i>	-415.97	
			<i>For &gt;1000, Deduct</i>	-531.56	
26 56 19 00-0092	EA		17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70).....	3,002.97	156.02
			<i>For &gt;50 To 100, Deduct</i>	-150.15	
			<i>For &gt;100 To 250, Deduct</i>	-225.22	
			<i>For &gt;250 To 500, Deduct</i>	-367.57	
			<i>For &gt;500 To 1000, Deduct</i>	-509.92	
			<i>For &gt;1000, Deduct</i>	-652.26	
26 56 19 00-0093			<b>LED Roadway Lighting (Leotek)</b> (26 56 19 00-0001)		
26 56 19 00-0094			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek)</b> (26 56 19 00-0093)		
			Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0095	EA		Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL).....	568.20	138.12
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.03	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	27.08	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	48.46	
			<i>For &gt;50 To 100, Deduct</i>	-28.41	
			<i>For &gt;100 To 250, Deduct</i>	-42.62	
			<i>For &gt;250 To 500, Deduct</i>	-64.12	
			<i>For &gt;500 To 1000, Deduct</i>	-85.62	
			<i>For &gt;1000, Deduct</i>	-107.13	
26 56 19 00-0096	EA		Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL).....	580.71	139.63
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.03	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	27.08	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	48.46	
			<i>For &gt;50 To 100, Deduct</i>	-29.04	
			<i>For &gt;100 To 250, Deduct</i>	-43.55	
			<i>For &gt;250 To 500, Deduct</i>	-65.61	
			<i>For &gt;500 To 1000, Deduct</i>	-87.66	
			<i>For &gt;1000, Deduct</i>	-109.71	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0097	EA		Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL).....	620.45	140.54
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.03	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	27.08	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	48.46	
			<i>For &gt;50 To 100, Deduct</i>	-31.02	
			<i>For &gt;100 To 250, Deduct</i>	-46.53	
			<i>For &gt;250 To 500, Deduct</i>	-70.53	
			<i>For &gt;500 To 1000, Deduct</i>	-94.52	
			<i>For &gt;1000, Deduct</i>	-118.52	
26 56 19 00-0098	EA		Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL).....	722.37	146.00
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.03	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	27.08	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	48.46	
			<i>For &gt;50 To 100, Deduct</i>	-36.12	
			<i>For &gt;100 To 250, Deduct</i>	-54.18	
			<i>For &gt;250 To 500, Deduct</i>	-83.00	
			<i>For &gt;500 To 1000, Deduct</i>	-111.81	
			<i>For &gt;1000, Deduct</i>	-140.63	
26 56 19 00-0099	EA		Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL).....	847.82	149.95
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.03	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	27.08	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	48.46	
			<i>For &gt;50 To 100, Deduct</i>	-42.39	
			<i>For &gt;100 To 250, Deduct</i>	-63.59	
			<i>For &gt;250 To 500, Deduct</i>	-98.48	
			<i>For &gt;500 To 1000, Deduct</i>	-133.37	
			<i>For &gt;1000, Deduct</i>	-168.27	
26 56 19 00-0100	EA		Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL).....	852.67	152.38
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.03	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	27.08	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	48.46	
			<i>For &gt;50 To 100, Deduct</i>	-42.63	
			<i>For &gt;100 To 250, Deduct</i>	-63.95	
			<i>For &gt;250 To 500, Deduct</i>	-98.96	
			<i>For &gt;500 To 1000, Deduct</i>	-133.98	
			<i>For &gt;1000, Deduct</i>	-168.99	
26 56 19 00-0101	EA		Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL).....	1,049.01	154.81
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.03	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	27.08	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	48.46	
			<i>For &gt;50 To 100, Deduct</i>	-52.45	
			<i>For &gt;100 To 250, Deduct</i>	-78.68	
			<i>For &gt;250 To 500, Deduct</i>	-123.39	
			<i>For &gt;500 To 1000, Deduct</i>	-168.10	
			<i>For &gt;1000, Deduct</i>	-212.81	
26 56 19 00-0102	EA		Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL).....	1,100.58	157.85
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.03	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	27.08	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	48.46	
			<i>For &gt;50 To 100, Deduct</i>	-55.03	
			<i>For &gt;100 To 250, Deduct</i>	-82.54	
			<i>For &gt;250 To 500, Deduct</i>	-129.68	
			<i>For &gt;500 To 1000, Deduct</i>	-176.82	
			<i>For &gt;1000, Deduct</i>	-223.95	
26 56 19 00-0103	EA		Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL).....	1,230.57	160.27
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.03	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	27.08	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	48.46	
			<i>For &gt;50 To 100, Deduct</i>	-61.53	
			<i>For &gt;100 To 250, Deduct</i>	-92.29	
			<i>For &gt;250 To 500, Deduct</i>	-145.81	
			<i>For &gt;500 To 1000, Deduct</i>	-199.32	
			<i>For &gt;1000, Deduct</i>	-252.84	





<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0104 EA Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL).....	1,320.74	162.70
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.03	
For ANSI 7-wire Photocontrol Receptacle, Add	27.08	
For Ripley Long-Life Twist Lock Photocontrol, Add	48.46	
For >50 To 100, Deduct	-66.04	
For >100 To 250, Deduct	-99.06	
For >250 To 500, Deduct	-156.96	
For >500 To 1000, Deduct	-214.86	
For >1000, Deduct	-272.76	
26 56 19 00-0105 EA Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL).....	660.34	139.63
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.03	
For ANSI 7-wire Photocontrol Receptacle, Add	27.08	
For Ripley Long-Life Twist Lock Photocontrol, Add	48.46	
For >50 To 100, Deduct	-33.02	
For >100 To 250, Deduct	-49.53	
For >250 To 500, Deduct	-75.56	
For >500 To 1000, Deduct	-101.60	
For >1000, Deduct	-127.63	
26 56 19 00-0106 EA Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL).....	726.39	143.27
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.03	
For ANSI 7-wire Photocontrol Receptacle, Add	27.08	
For Ripley Long-Life Twist Lock Photocontrol, Add	48.46	
For >50 To 100, Deduct	-36.32	
For >100 To 250, Deduct	-54.48	
For >250 To 500, Deduct	-83.64	
For >500 To 1000, Deduct	-112.79	
For >1000, Deduct	-141.95	
26 56 19 00-0107 EA Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL).....	784.94	146.00
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.03	
For ANSI 7-wire Photocontrol Receptacle, Add	27.08	
For Ripley Long-Life Twist Lock Photocontrol, Add	48.46	
For >50 To 100, Deduct	-39.25	
For >100 To 250, Deduct	-58.87	
For >250 To 500, Deduct	-90.82	
For >500 To 1000, Deduct	-122.76	
For >1000, Deduct	-154.71	
26 56 19 00-0108 EA Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL).....	835.22	149.35
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.03	
For ANSI 7-wire Photocontrol Receptacle, Add	27.08	
For Ripley Long-Life Twist Lock Photocontrol, Add	48.46	
For >50 To 100, Deduct	-41.76	
For >100 To 250, Deduct	-62.64	
For >250 To 500, Deduct	-96.94	
For >500 To 1000, Deduct	-131.23	
For >1000, Deduct	-165.52	
26 56 19 00-0109 EA Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL).....	886.95	150.56
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.03	
For ANSI 7-wire Photocontrol Receptacle, Add	27.08	
For Ripley Long-Life Twist Lock Photocontrol, Add	48.46	
For >50 To 100, Deduct	-44.35	
For >100 To 250, Deduct	-66.52	
For >250 To 500, Deduct	-103.34	
For >500 To 1000, Deduct	-140.16	
For >1000, Deduct	-176.98	
26 56 19 00-0110 EA Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL).....	1,059.03	156.02
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.03	
For ANSI 7-wire Photocontrol Receptacle, Add	27.08	
For Ripley Long-Life Twist Lock Photocontrol, Add	48.46	
For >50 To 100, Deduct	-52.95	
For >100 To 250, Deduct	-79.43	
For >250 To 500, Deduct	-124.58	
For >500 To 1000, Deduct	-169.73	
For >1000, Deduct	-214.88	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 56	19 00-0111	EA Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL)	1,199.69	159.06
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	9.03	
		For ANSI 7-wire Photocontrol Receptacle, Add	27.08	
		For Ripley Long-Life Twist Lock Photocontrol, Add	48.46	
		For >50 To 100, Deduct	-59.98	
		For >100 To 250, Deduct	-89.98	
		For >250 To 500, Deduct	-142.01	
		For >500 To 1000, Deduct	-194.04	
		For >1000, Deduct	-246.07	
26 56	19 00-0112	EA Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL)	1,276.75	159.67
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	9.03	
		For ANSI 7-wire Photocontrol Receptacle, Add	27.08	
		For Ripley Long-Life Twist Lock Photocontrol, Add	48.46	
		For >50 To 100, Deduct	-63.84	
		For >100 To 250, Deduct	-95.76	
		For >250 To 500, Deduct	-151.61	
		For >500 To 1000, Deduct	-207.46	
		For >1000, Deduct	-263.32	
26 56	19 00-0113	EA Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL)	1,350.55	161.49
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	9.03	
		For ANSI 7-wire Photocontrol Receptacle, Add	27.08	
		For Ripley Long-Life Twist Lock Photocontrol, Add	48.46	
		For >50 To 100, Deduct	-67.53	
		For >100 To 250, Deduct	-101.29	
		For >250 To 500, Deduct	-160.74	
		For >500 To 1000, Deduct	-220.20	
		For >1000, Deduct	-279.65	
26 56	19 00-0114	EA Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP)	708.58	152.38
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	9.03	
		For ANSI 7-wire Photocontrol Receptacle, Add	27.08	
		For Ripley Long-Life Twist Lock Photocontrol, Add	48.46	
		For >50 To 100, Deduct	-35.43	
		For >100 To 250, Deduct	-53.14	
		For >250 To 500, Deduct	-80.95	
		For >500 To 1000, Deduct	-108.76	
		For >1000, Deduct	-136.57	
26 56	19 00-0115	EA Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP)	768.49	153.90
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	9.03	
		For ANSI 7-wire Photocontrol Receptacle, Add	27.08	
		For Ripley Long-Life Twist Lock Photocontrol, Add	48.46	
		For >50 To 100, Deduct	-38.42	
		For >100 To 250, Deduct	-57.64	
		For >250 To 500, Deduct	-88.37	
		For >500 To 1000, Deduct	-119.10	
		For >1000, Deduct	-149.83	
26 56	19 00-0116	EA Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL)	542.18	139.33
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	9.03	
		For ANSI 7-wire Photocontrol Receptacle, Add	27.08	
		For Ripley Long-Life Twist Lock Photocontrol, Add	48.46	
		For >50 To 100, Deduct	-27.11	
		For >100 To 250, Deduct	-40.66	
		For >250 To 500, Deduct	-60.81	
		For >500 To 1000, Deduct	-80.95	
		For >1000, Deduct	-101.09	
26 56	19 00-0117	EA Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL)	552.20	140.54
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	9.03	
		For ANSI 7-wire Photocontrol Receptacle, Add	27.08	
		For Ripley Long-Life Twist Lock Photocontrol, Add	48.46	
		For >50 To 100, Deduct	-27.61	
		For >100 To 250, Deduct	-41.42	
		For >250 To 500, Deduct	-62.00	
		For >500 To 1000, Deduct	-82.58	
		For >1000, Deduct	-103.16	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	19 00-0118	EA	Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL).....	601.27	143.27
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.03	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	27.08	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	48.46	
			<i>For &gt;50 To 100, Deduct</i>	-30.06	
			<i>For &gt;100 To 250, Deduct</i>	-45.10	
			<i>For &gt;250 To 500, Deduct</i>	-68.00	
			<i>For &gt;500 To 1000, Deduct</i>	-90.89	
			<i>For &gt;1000, Deduct</i>	-113.79	
26 56	19 00-0119	EA	Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL).....	933.36	154.81
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.03	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	27.08	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	48.46	
			<i>For &gt;50 To 100, Deduct</i>	-46.67	
			<i>For &gt;100 To 250, Deduct</i>	-70.00	
			<i>For &gt;250 To 500, Deduct</i>	-108.93	
			<i>For &gt;500 To 1000, Deduct</i>	-147.86	
			<i>For &gt;1000, Deduct</i>	-186.78	
26 56	19 00-0120	EA	Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL).....	1,223.66	159.67
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.03	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	27.08	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	48.46	
			<i>For &gt;50 To 100, Deduct</i>	-61.18	
			<i>For &gt;100 To 250, Deduct</i>	-91.77	
			<i>For &gt;250 To 500, Deduct</i>	-144.97	
			<i>For &gt;500 To 1000, Deduct</i>	-198.17	
			<i>For &gt;1000, Deduct</i>	-251.37	
26 56	19 00-0121	EA	Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL).....	1,088.38	160.27
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.03	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	27.08	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	48.46	
			<i>For &gt;50 To 100, Deduct</i>	-54.42	
			<i>For &gt;100 To 250, Deduct</i>	-81.63	
			<i>For &gt;250 To 500, Deduct</i>	-128.03	
			<i>For &gt;500 To 1000, Deduct</i>	-174.44	
			<i>For &gt;1000, Deduct</i>	-220.84	
26 56	19 00-0122	EA	Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY).....	520.05	139.63
			<i>For Twist Lock Shorting Cap, Add</i>	9.03	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	27.08	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	48.46	
			<i>For &gt;50 To 100, Deduct</i>	-26.00	
			<i>For &gt;100 To 250, Deduct</i>	-39.00	
			<i>For &gt;250 To 500, Deduct</i>	-58.02	
			<i>For &gt;500 To 1000, Deduct</i>	-77.05	
			<i>For &gt;1000, Deduct</i>	-96.07	
26 56	19 00-0123		LED, Area Fixtures <small>(26 56 19)</small>		
26 56	19 00-0124		Pole Mount, LED Area Fixtures <small>(26 56 19 00-0123)</small>		
26 56	19 00-0125		Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) <small>(26 56 19 00-0124)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56	19 00-0126	EA	20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,465.71	103.20
			<i>For &gt;50 To 100, Deduct</i>	-123.29	
			<i>For &gt;100 To 250, Deduct</i>	-184.93	
			<i>For &gt;250 To 500, Deduct</i>	-303.05	
			<i>For &gt;500 To 1000, Deduct</i>	-421.18	
			<i>For &gt;1000, Deduct</i>	-539.30	
26 56	19 00-0127	EA	40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,658.61	109.28
			<i>For &gt;50 To 100, Deduct</i>	-132.93	
			<i>For &gt;100 To 250, Deduct</i>	-199.40	
			<i>For &gt;250 To 500, Deduct</i>	-326.86	
			<i>For &gt;500 To 1000, Deduct</i>	-454.33	
			<i>For &gt;1000, Deduct</i>	-581.80	
26 56	19 00-0128	EA	80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,863.63	121.42
			<i>For &gt;50 To 100, Deduct</i>	-143.18	
			<i>For &gt;100 To 250, Deduct</i>	-214.77	
			<i>For &gt;250 To 500, Deduct</i>	-351.88	
			<i>For &gt;500 To 1000, Deduct</i>	-488.99	
			<i>For &gt;1000, Deduct</i>	-626.10	
26 56	19 00-0129	EA	100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,875.77	127.49
			<i>For &gt;50 To 100, Deduct</i>	-143.79	
			<i>For &gt;100 To 250, Deduct</i>	-215.68	
			<i>For &gt;250 To 500, Deduct</i>	-353.10	
			<i>For &gt;500 To 1000, Deduct</i>	-490.51	
			<i>For &gt;1000, Deduct</i>	-627.92	

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 56</b>	<b>Exterior Lighting</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 19 00-0130	<b>Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG)</b> <small>(26 56 19 00-0124)</small> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 19 00-0131	EA 40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	1,089.80	109.28
	For Backlight Shielding, Add	19.93	
	For Type II Medium Optic, Add	34.86	
	For 480 Volt, Add	99.79	
	For Multi-Level Drive Currents, Add	199.30	
	For >50 To 100, Deduct	-54.49	
	For >100 To 250, Deduct	-81.74	
	For >250 To 500, Deduct	-130.76	
	For >500 To 1000, Deduct	-179.79	
	For >1000, Deduct	-228.81	
26 56 19 00-0132	EA 60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	1,311.20	115.34
	For Backlight Shielding, Add	19.93	
	For Type II Medium Optic, Add	35.47	
	For 480 Volt, Add	99.79	
	For Multi-Level Drive Currents, Add	199.30	
	For >50 To 100, Deduct	-65.56	
	For >100 To 250, Deduct	-98.34	
	For >250 To 500, Deduct	-158.13	
	For >500 To 1000, Deduct	-217.93	
	For >1000, Deduct	-277.72	
26 56 19 00-0133	EA 80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	1,616.60	121.42
	For Backlight Shielding, Add	19.93	
	For Type II Medium Optic, Add	36.07	
	For 480 Volt, Add	99.79	
	For Multi-Level Drive Currents, Add	199.30	
	For >50 To 100, Deduct	-80.83	
	For >100 To 250, Deduct	-121.25	
	For >250 To 500, Deduct	-196.00	
	For >500 To 1000, Deduct	-270.76	
	For >1000, Deduct	-345.52	
26 56 19 00-0134	EA 100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	1,838.01	127.49
	For Backlight Shielding, Add	19.93	
	For Type II Medium Optic, Add	36.68	
	For 480 Volt, Add	99.79	
	For Multi-Level Drive Currents, Add	199.30	
	For >50 To 100, Deduct	-91.90	
	For >100 To 250, Deduct	-137.85	
	For >250 To 500, Deduct	-223.38	
	For >500 To 1000, Deduct	-308.90	
	For >1000, Deduct	-394.43	
26 56 19 00-0135	EA 120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	2,059.42	133.56
	For Backlight Shielding, Add	19.93	
	For Type II Medium Optic, Add	37.29	
	For 480 Volt, Add	99.79	
	For Multi-Level Drive Currents, Add	199.30	
	For >50 To 100, Deduct	-102.97	
	For >100 To 250, Deduct	-154.46	
	For >250 To 500, Deduct	-250.75	
	For >500 To 1000, Deduct	-347.04	
	For >1000, Deduct	-443.34	
26 56 19 00-0136	EA 140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	2,347.75	139.63
	For Backlight Shielding, Add	19.93	
	For Type II Medium Optic, Add	37.89	
	For 480 Volt, Add	99.79	
	For Multi-Level Drive Currents, Add	199.30	
	For >50 To 100, Deduct	-117.39	
	For >100 To 250, Deduct	-176.08	
	For >250 To 500, Deduct	-286.49	
	For >500 To 1000, Deduct	-396.89	
	For >1000, Deduct	-507.30	
26 56 19 00-0137	EA 160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	2,569.15	145.70
	For Backlight Shielding, Add	19.93	
	For Type II Medium Optic, Add	38.50	
	For 480 Volt, Add	99.79	
	For Multi-Level Drive Currents, Add	199.30	
	For >50 To 100, Deduct	-128.46	
	For >100 To 250, Deduct	-192.69	
	For >250 To 500, Deduct	-313.86	
	For >500 To 1000, Deduct	-435.03	
	For >1000, Deduct	-556.20	

26 56 19 00-0138	<b>Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO)</b> <small>(26 56 19 00-0124)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
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<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0139	EA		120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	1,904.90	133.56
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Bird Spikes, Add</i>	39.81	
			<i>For 5,000K Color Temperature, Add</i>	41.98	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For 1,000mA Driver, Add</i>	141.05	
			<i>For &gt;50 To 100, Deduct</i>	-95.25	
			<i>For &gt;100 To 250, Deduct</i>	-142.87	
			<i>For &gt;250 To 500, Deduct</i>	-231.43	
			<i>For &gt;500 To 1000, Deduct</i>	-320.00	
			<i>For &gt;1000, Deduct</i>	-408.57	
26 56 19 00-0140	EA		240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	3,199.70	163.91
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For 5,000K Color Temperature, Add</i>	41.98	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For Bird Spikes, Add</i>	58.71	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For 1,000mA Driver, Add</i>	141.04	
			<i>For 480 Volt, Add</i>	151.10	
			<i>For &gt;50 To 100, Deduct</i>	-159.99	
			<i>For &gt;100 To 250, Deduct</i>	-239.98	
			<i>For &gt;250 To 500, Deduct</i>	-391.77	
			<i>For &gt;500 To 1000, Deduct</i>	-543.56	
			<i>For &gt;1000, Deduct</i>	-695.35	
26 56 19 00-0141			Wall Mount, LED Area Fixtures <small>(26 56 19 00-0123)</small>		
26 56 19 00-0142			Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) <small>(26 56 19 00-0141)</small> Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0143	EA		20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED) .....	1,075.79	103.20
			<i>For &gt;50 To 100, Deduct</i>	-53.79	
			<i>For &gt;100 To 250, Deduct</i>	-80.68	
			<i>For &gt;250 To 500, Deduct</i>	-129.31	
			<i>For &gt;500 To 1000, Deduct</i>	-177.94	
			<i>For &gt;1000, Deduct</i>	-226.57	
26 56 19 00-0144	EA		30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED) .....	1,100.08	115.34
			<i>For &gt;50 To 100, Deduct</i>	-55.00	
			<i>For &gt;100 To 250, Deduct</i>	-82.51	
			<i>For &gt;250 To 500, Deduct</i>	-131.74	
			<i>For &gt;500 To 1000, Deduct</i>	-180.98	
			<i>For &gt;1000, Deduct</i>	-230.22	
26 56 19 00-0145			Surface Mount, LED Parking Structure Fixtures <small>(26 56 19 00-0123)</small>		
26 56 19 00-0146			Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) <small>(26 56 19 00-0145)</small> Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0147	EA		40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG) .....	964.52	109.28
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-48.23	
			<i>For &gt;100 To 250, Deduct</i>	-72.34	
			<i>For &gt;250 To 500, Deduct</i>	-115.10	
			<i>For &gt;500 To 1000, Deduct</i>	-157.86	
			<i>For &gt;1000, Deduct</i>	-200.63	
26 56 19 00-0148	EA		60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG) .....	1,185.93	115.34
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-59.30	
			<i>For &gt;100 To 250, Deduct</i>	-88.94	
			<i>For &gt;250 To 500, Deduct</i>	-142.47	
			<i>For &gt;500 To 1000, Deduct</i>	-196.00	
			<i>For &gt;1000, Deduct</i>	-249.53	
26 56 19 00-0149	EA		80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG) .....	1,407.34	121.42
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-70.37	
			<i>For &gt;100 To 250, Deduct</i>	-105.55	
			<i>For &gt;250 To 500, Deduct</i>	-169.85	
			<i>For &gt;500 To 1000, Deduct</i>	-234.14	
			<i>For &gt;1000, Deduct</i>	-298.44	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0150	EA		100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,628.74	127.49
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-81.44	
			<i>For &gt;100 To 250, Deduct</i>	-122.16	
			<i>For &gt;250 To 500, Deduct</i>	-197.22	
			<i>For &gt;500 To 1000, Deduct</i>	-272.28	
			<i>For &gt;1000, Deduct</i>	-347.34	
<b>26 56 19 00-0151</b>			<b>Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304)</b> <small>(26 56 19 00-0145)</small>		
			Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0152	EA		40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	930.36	109.28
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-46.52	
			<i>For &gt;100 To 250, Deduct</i>	-69.78	
			<i>For &gt;250 To 500, Deduct</i>	-110.83	
			<i>For &gt;500 To 1000, Deduct</i>	-151.89	
			<i>For &gt;1000, Deduct</i>	-192.94	
26 56 19 00-0153	EA		60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	1,026.49	115.34
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-51.32	
			<i>For &gt;100 To 250, Deduct</i>	-76.99	
			<i>For &gt;250 To 500, Deduct</i>	-122.54	
			<i>For &gt;500 To 1000, Deduct</i>	-168.10	
			<i>For &gt;1000, Deduct</i>	-213.66	
<b>26 56 19 00-0154</b>			<b>Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG)</b> <small>(26 56 19 00-0145)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0155	EA		3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADMSMA40KUL).....	920.32	109.28
			<i>For &gt;50 To 100, Deduct</i>	-46.02	
			<i>For &gt;100 To 250, Deduct</i>	-69.02	
			<i>For &gt;250 To 500, Deduct</i>	-109.58	
			<i>For &gt;500 To 1000, Deduct</i>	-150.13	
			<i>For &gt;1000, Deduct</i>	-190.68	
<b>26 56 19 00-0156</b>			<b>Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG)</b> <small>(26 56 19 00-0145)</small>		
			Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 19 00-0157	EA		70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,840.15	115.34
			<i>For &gt;50 To 100, Deduct</i>	-92.01	
			<i>For &gt;100 To 250, Deduct</i>	-138.01	
			<i>For &gt;250 To 500, Deduct</i>	-224.25	
			<i>For &gt;500 To 1000, Deduct</i>	-310.49	
			<i>For &gt;1000, Deduct</i>	-396.73	
26 56 19 00-0158	EA		110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,864.43	127.49
			<i>For &gt;50 To 100, Deduct</i>	-93.22	
			<i>For &gt;100 To 250, Deduct</i>	-139.83	
			<i>For &gt;250 To 500, Deduct</i>	-226.68	
			<i>For &gt;500 To 1000, Deduct</i>	-313.53	
			<i>For &gt;1000, Deduct</i>	-400.37	
<b>26 56 19 00-0159</b>			<b>Surface Mount, LED Canopy Fixtures</b> <small>(26 56 19 00-0123)</small>		
<b>26 56 19 00-0160</b>			<b>Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG)</b> <small>(26 56 19 00-0159)</small>		
			Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0161	EA		40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,115.42	109.28
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-55.77	
			<i>For &gt;100 To 250, Deduct</i>	-83.66	
			<i>For &gt;250 To 500, Deduct</i>	-133.96	
			<i>For &gt;500 To 1000, Deduct</i>	-184.27	
			<i>For &gt;1000, Deduct</i>	-234.58	
26 56 19 00-0162	EA		60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,336.83	115.34
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For &gt;50 To 100, Deduct</i>	-66.84	
			<i>For &gt;100 To 250, Deduct</i>	-100.26	
			<i>For &gt;250 To 500, Deduct</i>	-161.34	
			<i>For &gt;500 To 1000, Deduct</i>	-222.41	
			<i>For &gt;1000, Deduct</i>	-283.48	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0163 EA 80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) ..... 1,558.24		121.42
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-77.91	
For >100 To 250, Deduct	-116.87	
For >250 To 500, Deduct	-188.71	
For >500 To 1000, Deduct	-260.55	
For >1000, Deduct	-332.39	
26 56 19 00-0164 EA 100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) ..... 1,779.64		127.49
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-88.98	
For >100 To 250, Deduct	-133.47	
For >250 To 500, Deduct	-216.08	
For >500 To 1000, Deduct	-298.69	
For >1000, Deduct	-381.30	
26 56 19 00-0165 EA 120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) ..... 2,001.05		133.56
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-100.05	
For >100 To 250, Deduct	-150.08	
For >250 To 500, Deduct	-243.45	
For >500 To 1000, Deduct	-336.83	
For >1000, Deduct	-430.20	
26 56 19 00-0166 EA 140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) ..... 2,306.46		139.63
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-115.32	
For >100 To 250, Deduct	-172.98	
For >250 To 500, Deduct	-281.33	
For >500 To 1000, Deduct	-389.67	
For >1000, Deduct	-498.01	
26 56 19 00-0167 EA 160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) ..... 2,527.87		145.70
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-126.39	
For >100 To 250, Deduct	-189.59	
For >250 To 500, Deduct	-308.70	
For >500 To 1000, Deduct	-427.81	
For >1000, Deduct	-546.92	
26 56 19 00-0168 EA 200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) ..... 2,970.69		157.85
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-148.53	
For >100 To 250, Deduct	-222.80	
For >250 To 500, Deduct	-363.44	
For >500 To 1000, Deduct	-504.09	
For >1000, Deduct	-644.73	
26 56 19 00-0169 EA 240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) ..... 3,401.36		163.91
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-170.07	
For >100 To 250, Deduct	-255.10	
For >250 To 500, Deduct	-416.97	
For >500 To 1000, Deduct	-578.85	
For >1000, Deduct	-740.72	
<b>26 56 19 00-0170 Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250)</b> <small>(26 56 19 00-0159)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0171 EA 8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250) ..... 779.53		121.42
For >50 To 100, Deduct	-38.98	
For >100 To 250, Deduct	-58.46	
For >250 To 500, Deduct	-91.37	
For >500 To 1000, Deduct	-124.28	
For >1000, Deduct	-157.18	
<b>26 56 19 00-0172 Recessed Mount, LED Soffit Fixtures</b> <small>(26 56 19 00-0123)</small>		
<b>26 56 19 00-0173 Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304)</b> <small>(26 56 19 00-0172)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0174 EA 40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304) ..... 947.44		109.28
For >50 To 100, Deduct	-47.37	
For >100 To 250, Deduct	-71.06	
For >250 To 500, Deduct	-112.97	
For >500 To 1000, Deduct	-154.87	
For >1000, Deduct	-196.78	
26 56 19 00-0175 EA 60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304) ..... 1,043.57		115.34
For >50 To 100, Deduct	-52.18	
For >100 To 250, Deduct	-78.27	
For >250 To 500, Deduct	-124.68	
For >500 To 1000, Deduct	-171.09	
For >1000, Deduct	-217.50	
<b>26 56 19 00-0176 Surface Mount, LED Area Fixtures</b> <small>(26 56 19 00-0123)</small>		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 19 00-0177	<b>Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG)</b> <small>(26 56 19 00-0176)</small>		
	Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 19 00-0178	EA 50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) .....	614.13	109.28
	For >50 To 100, Deduct	-30.71	
	For >100 To 250, Deduct	-46.06	
	For >250 To 500, Deduct	-71.30	
	For >500 To 1000, Deduct	-96.54	
	For >1000, Deduct	-121.79	
26 56 19 00-0179	EA 50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) .....	1,338.26	109.28
	For >50 To 100, Deduct	-66.91	
	For >100 To 250, Deduct	-100.37	
	For >250 To 500, Deduct	-161.82	
	For >500 To 1000, Deduct	-223.27	
	For >1000, Deduct	-284.72	
26 56 19 00-0180	EA 68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) .....	1,109.25	121.42
	For >50 To 100, Deduct	-55.46	
	For >100 To 250, Deduct	-83.19	
	For >250 To 500, Deduct	-132.59	
	For >500 To 1000, Deduct	-181.98	
	For >1000, Deduct	-231.37	
26 56 19 00-0181	EA 68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) .....	1,376.61	121.42
	For >50 To 100, Deduct	-68.83	
	For >100 To 250, Deduct	-103.25	
	For >250 To 500, Deduct	-166.01	
	For >500 To 1000, Deduct	-228.76	
	For >1000, Deduct	-291.52	
26 56 19 00-0182	<b>Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®)</b> <small>(26 56 19 00-0176)</small>		
	Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0183	EA 13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A) .....	196.02	37.56
	For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
	For >50 To 100, Deduct	-9.80	
	For >100 To 250, Deduct	-14.70	
	For >250 To 500, Deduct	-22.94	
	For >500 To 1000, Deduct	-31.17	
	For >1000, Deduct	-39.41	
26 56 19 00-0184	EA 20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A) .....	224.32	37.56
	For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
	For >50 To 100, Deduct	-11.22	
	For >100 To 250, Deduct	-16.82	
	For >250 To 500, Deduct	-26.48	
	For >500 To 1000, Deduct	-36.13	
	For >1000, Deduct	-45.78	
26 56 19 00-0185	EA 30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A) .....	278.23	37.56
	For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
	For >50 To 100, Deduct	-13.91	
	For >100 To 250, Deduct	-20.87	
	For >250 To 500, Deduct	-33.21	
	For >500 To 1000, Deduct	-45.56	
	For >1000, Deduct	-57.91	
26 56 19 00-0186	<b>Surface Mount, LED Multi-Purpose Area Fixture (Designplan LED VIM)</b> <small>(26 56 19 00-0176)</small>		
	Note: Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and black, white or silver powder coat finish. Excludes sensors.		
26 56 19 00-0187	EA 20 Watt, Surface Mount, LED Multi-Purpose Area Fixture With Integral Battery Backup (Designplan LED VIM) .....	2,648.83	37.56
	For >50 To 100, Deduct	-132.44	
	For >100 To 250, Deduct	-198.66	
	For >250 To 500, Deduct	-329.54	
	For >500 To 1000, Deduct	-460.42	
	For >1000, Deduct	-591.29	
26 56 19 00-0188	<b>Surface Mount, LED Facade Fixtures</b> <small>(26 56 19 00-0123)</small>		
26 56 19 00-0189	<b>Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™)</b> <small>(26 56 19 00-0188)</small>		
26 56 19 00-0190	EA 12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™) .....	697.71	43.83
	For >50 To 100, Deduct	-34.89	
	For >100 To 250, Deduct	-52.33	
	For >250 To 500, Deduct	-85.55	
	For >500 To 1000, Deduct	-118.76	
	For >1000, Deduct	-151.98	
26 56 19 00-0191	EA 24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™) .....	1,143.26	40.02
	For >50 To 100, Deduct	-57.16	
	For >100 To 250, Deduct	-85.74	
	For >250 To 500, Deduct	-141.48	
	For >500 To 1000, Deduct	-197.21	
	For >1000, Deduct	-252.95	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0192 EA 36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,463.19	33.35
For >50 To 100, Deduct	-73.16	
For >100 To 250, Deduct	-109.74	
For >250 To 500, Deduct	-181.71	
For >500 To 1000, Deduct	-253.68	
For >1000, Deduct	-325.64	
26 56 19 00-0193 EA 48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,783.12	26.68
For >50 To 100, Deduct	-89.16	
For >100 To 250, Deduct	-133.73	
For >250 To 500, Deduct	-221.94	
For >500 To 1000, Deduct	-310.14	
For >1000, Deduct	-398.34	
<b>26 56 19 00-0194 Post Top, LED Area Fixtures (26 56 19 00-0123)</b>		
<b>26 56 19 00-0195 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) (26 56 19 00-0194)</b>		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0196 EA 1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1).....	1,953.26	166.95
For >50 To 100, Deduct	-97.66	
For >100 To 250, Deduct	-146.49	
For >250 To 500, Deduct	-235.81	
For >500 To 1000, Deduct	-325.13	
For >1000, Deduct	-414.44	
26 56 19 00-0197 EA 3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2).....	2,159.88	166.95
For >50 To 100, Deduct	-107.99	
For >100 To 250, Deduct	-161.99	
For >250 To 500, Deduct	-261.64	
For >500 To 1000, Deduct	-361.28	
For >1000, Deduct	-460.93	
26 56 19 00-0198 EA 77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3).....	2,323.21	166.95
For >50 To 100, Deduct	-116.16	
For >100 To 250, Deduct	-174.24	
For >250 To 500, Deduct	-282.05	
For >500 To 1000, Deduct	-389.87	
For >1000, Deduct	-497.68	
<b>26 56 19 00-0199 Post Top, LED Area Fixtures (General Electric EPAS) (26 56 19 00-0194)</b>		
Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0200 EA 3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3).....	2,307.51	166.95
For >50 To 100, Deduct	-115.38	
For >100 To 250, Deduct	-173.06	
For >250 To 500, Deduct	-280.09	
For >500 To 1000, Deduct	-387.12	
For >1000, Deduct	-494.15	
26 56 19 00-0201 EA 6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3).....	2,360.60	166.95
For >50 To 100, Deduct	-118.03	
For >100 To 250, Deduct	-177.05	
For >250 To 500, Deduct	-286.73	
For >500 To 1000, Deduct	-396.41	
For >1000, Deduct	-506.09	
<b>26 56 19 00-0202 Post Top, LED Area Fixtures (General Electric EPTC) (26 56 19 00-0194)</b>		
Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0203 EA 3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3).....	1,588.79	166.95
For >50 To 100, Deduct	-79.44	
For >100 To 250, Deduct	-119.16	
For >250 To 500, Deduct	-190.25	
For >500 To 1000, Deduct	-261.34	
For >1000, Deduct	-332.44	
26 56 19 00-0204 EA 6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3).....	1,668.24	166.95
For >50 To 100, Deduct	-83.41	
For >100 To 250, Deduct	-125.12	
For >250 To 500, Deduct	-200.18	
For >500 To 1000, Deduct	-275.25	
For >1000, Deduct	-350.31	
<b>26 56 19 00-0205 Post Top, LED Area Fixtures (General Electric EPST) (26 56 19 00-0194)</b>		
Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0206 EA 3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3).....	1,227.67	166.95
For >50 To 100, Deduct	-61.38	
For >100 To 250, Deduct	-92.08	
For >250 To 500, Deduct	-145.11	
For >500 To 1000, Deduct	-198.15	
For >1000, Deduct	-251.18	

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 56</b>	<b>Exterior Lighting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0207	EA		6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3) .....	1,307.12	166.95
			<i>For &gt;50 To 100, Deduct</i>	-65.36	
			<i>For &gt;100 To 250, Deduct</i>	-98.03	
			<i>For &gt;250 To 500, Deduct</i>	-155.04	
			<i>For &gt;500 To 1000, Deduct</i>	-212.05	
			<i>For &gt;1000, Deduct</i>	-269.06	
26 56 19 00-0208			<b>Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR)</b> <small>(26 56 19 00-0194)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes Type V Medium optic. Excludes sensors.		
26 56 19 00-0209	EA		13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR) .....	2,503.45	166.95
			<i>For &gt;50 To 100, Deduct</i>	-125.17	
			<i>For &gt;100 To 250, Deduct</i>	-187.76	
			<i>For &gt;250 To 500, Deduct</i>	-304.58	
			<i>For &gt;500 To 1000, Deduct</i>	-421.41	
			<i>For &gt;1000, Deduct</i>	-538.23	
26 56 19 00-0210			<b>LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA)</b> <small>(26 56 19 00-0194)</small>		
			Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0388 for disposal of hazardous lamps.		
26 56 19 00-0211	EA		LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAH53) .....	702.21	91.06
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For &gt;50 To 100, Deduct</i>	-35.11	
			<i>For &gt;100 To 250, Deduct</i>	-52.67	
			<i>For &gt;250 To 500, Deduct</i>	-83.22	
			<i>For &gt;500 To 1000, Deduct</i>	-113.78	
			<i>For &gt;1000, Deduct</i>	-144.34	
26 56 19 00-0212			<b>LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)</b> <small>(26 56 19 00-0194)</small>		
			Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0388 for disposal of hazardous lamps.		
26 56 19 00-0213	EA		LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) .....	437.35	19.43
			<i>For Backlight Control Shield, Add</i>	33.86	
			<i>For &gt;50 To 100, Deduct</i>	-21.87	
			<i>For &gt;100 To 250, Deduct</i>	-32.80	
			<i>For &gt;250 To 500, Deduct</i>	-52.73	
			<i>For &gt;500 To 1000, Deduct</i>	-72.65	
			<i>For &gt;1000, Deduct</i>	-92.58	
26 56 19 00-0214			<b>Surface Mount, LED Strip Fixtures (Sylvania)</b> <small>(26 56 19 00-0123)</small>		
26 56 19 00-0215	EA		4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D) .....	481.78	34.87
			<i>For &gt;50 To 100, Deduct</i>	-24.09	
			<i>For &gt;100 To 250, Deduct</i>	-36.13	
			<i>For &gt;250 To 500, Deduct</i>	-58.91	
			<i>For &gt;500 To 1000, Deduct</i>	-81.69	
			<i>For &gt;1000, Deduct</i>	-104.47	
26 56 19 00-0216			<b>LED, Wall Packs</b> <small>(26 56 19)</small>		
26 56 19 00-0217			<b>Full Cutoff, LED Wall Packs</b> <small>(26 56 19 00-0216)</small>		
26 56 19 00-0218			<b>Full Cutoff, LED Wall Packs (Lithonia)</b> <small>(26 56 19 00-0217)</small>		
26 56 19 00-0219	EA		30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED) .....	924.04	106.24
			<i>For &gt;50 To 100, Deduct</i>	-46.20	
			<i>For &gt;100 To 250, Deduct</i>	-69.30	
			<i>For &gt;250 To 500, Deduct</i>	-110.19	
			<i>For &gt;500 To 1000, Deduct</i>	-151.08	
			<i>For &gt;1000, Deduct</i>	-191.97	
26 56 19 00-0220	EA		30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED) .....	1,001.27	106.24
			<i>For &gt;50 To 100, Deduct</i>	-50.06	
			<i>For &gt;100 To 250, Deduct</i>	-75.10	
			<i>For &gt;250 To 500, Deduct</i>	-119.85	
			<i>For &gt;500 To 1000, Deduct</i>	-164.60	
			<i>For &gt;1000, Deduct</i>	-209.35	
26 56 19 00-0221			<b>Full Cutoff, LED Wall Packs (CREE® BetaLED®)</b> <small>(26 56 19 00-0217)</small>		
26 56 19 00-0222			<b>Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG)</b> <small>(26 56 19 00-0221)</small>		
			Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		



<b>Electrical</b>	<b>26</b>	
<b>Lighting</b>	<b>26 50</b>	<b>26</b>
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0223	EA		20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) ..... Note: Includes 350mA or 525mA driver.	814.62	103.20
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Bird Spikes, Add</i>	42.05	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For &gt;50 To 100, Deduct</i>	-40.73	
			<i>For &gt;100 To 250, Deduct</i>	-61.10	
			<i>For &gt;250 To 500, Deduct</i>	-96.67	
			<i>For &gt;500 To 1000, Deduct</i>	-132.24	
			<i>For &gt;1000, Deduct</i>	-167.81	
26 56 19 00-0224	EA		40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) ..... Note: Includes 350mA or 525mA driver.	1,047.15	109.28
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Bird Spikes, Add</i>	42.66	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For &gt;50 To 100, Deduct</i>	-52.36	
			<i>For &gt;100 To 250, Deduct</i>	-78.54	
			<i>For &gt;250 To 500, Deduct</i>	-125.43	
			<i>For &gt;500 To 1000, Deduct</i>	-172.32	
			<i>For &gt;1000, Deduct</i>	-219.22	
26 56 19 00-0225	EA		60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) ..... Note: Includes 350mA or 525mA driver.	1,173.12	115.34
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Bird Spikes, Add</i>	43.27	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For &gt;50 To 100, Deduct</i>	-58.66	
			<i>For &gt;100 To 250, Deduct</i>	-87.98	
			<i>For &gt;250 To 500, Deduct</i>	-140.87	
			<i>For &gt;500 To 1000, Deduct</i>	-193.76	
			<i>For &gt;1000, Deduct</i>	-246.65	
26 56 19 00-0226	EA		80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) ..... Note: Includes 350mA or 525mA driver.	1,512.17	121.42
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Bird Spikes, Add</i>	43.87	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For &gt;50 To 100, Deduct</i>	-75.61	
			<i>For &gt;100 To 250, Deduct</i>	-113.41	
			<i>For &gt;250 To 500, Deduct</i>	-182.95	
			<i>For &gt;500 To 1000, Deduct</i>	-252.49	
			<i>For &gt;1000, Deduct</i>	-322.03	
26 56 19 00-0227	EA		100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) ..... Note: Includes 350mA or 525mA driver.	1,744.68	127.49
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Bird Spikes, Add</i>	44.48	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For &gt;50 To 100, Deduct</i>	-87.23	
			<i>For &gt;100 To 250, Deduct</i>	-130.85	
			<i>For &gt;250 To 500, Deduct</i>	-211.71	
			<i>For &gt;500 To 1000, Deduct</i>	-292.57	
			<i>For &gt;1000, Deduct</i>	-373.43	
26 56 19 00-0228	EA		120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) ..... Note: Includes 350mA or 525mA driver.	1,977.19	133.56
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Bird Spikes, Add</i>	45.09	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For &gt;50 To 100, Deduct</i>	-98.86	
			<i>For &gt;100 To 250, Deduct</i>	-148.29	
			<i>For &gt;250 To 500, Deduct</i>	-240.47	
			<i>For &gt;500 To 1000, Deduct</i>	-332.65	
			<i>For &gt;1000, Deduct</i>	-424.83	

26 56 19 00-0229 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) (26 56 19 00-0221)  
 Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	19 00-0230	EA	25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	487.38	103.20
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For Multi-Level, Add</i>	50.37	
			<i>For &gt;50 To 100, Deduct</i>	-24.37	
			<i>For &gt;100 To 250, Deduct</i>	-36.55	
			<i>For &gt;250 To 500, Deduct</i>	-55.76	
			<i>For &gt;500 To 1000, Deduct</i>	-74.97	
			<i>For &gt;1000, Deduct</i>	-94.18	
26 56	19 00-0231	EA	42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	565.09	109.28
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For Multi-Level, Add</i>	50.37	
			<i>For &gt;50 To 100, Deduct</i>	-28.25	
			<i>For &gt;100 To 250, Deduct</i>	-42.38	
			<i>For &gt;250 To 500, Deduct</i>	-65.17	
			<i>For &gt;500 To 1000, Deduct</i>	-87.96	
			<i>For &gt;1000, Deduct</i>	-110.75	
26 56	19 00-0232		<b>Open Face LED Wall Pack</b> <small>(26 56 19 00-0216)</small>		
			Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56	19 00-0233	EA	3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS).....	668.55	104.31
			<i>For &gt;50 To 100, Deduct</i>	-33.43	
			<i>For &gt;100 To 250, Deduct</i>	-50.14	
			<i>For &gt;250 To 500, Deduct</i>	-75.75	
			<i>For &gt;500 To 1000, Deduct</i>	-101.35	
			<i>For &gt;1000, Deduct</i>	-126.95	
26 56	19 00-0234	EA	5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS).....	721.16	104.31
			<i>For &gt;50 To 100, Deduct</i>	-36.06	
			<i>For &gt;100 To 250, Deduct</i>	-54.09	
			<i>For &gt;250 To 500, Deduct</i>	-82.32	
			<i>For &gt;500 To 1000, Deduct</i>	-110.56	
			<i>For &gt;1000, Deduct</i>	-138.79	
26 56	19 00-0235	EA	7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS).....	748.72	104.31
			<i>For &gt;50 To 100, Deduct</i>	-37.44	
			<i>For &gt;100 To 250, Deduct</i>	-56.15	
			<i>For &gt;250 To 500, Deduct</i>	-85.77	
			<i>For &gt;500 To 1000, Deduct</i>	-115.38	
			<i>For &gt;1000, Deduct</i>	-144.99	
26 56	19 00-0236	EA	11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS).....	771.06	104.31
			<i>For &gt;50 To 100, Deduct</i>	-38.55	
			<i>For &gt;100 To 250, Deduct</i>	-57.83	
			<i>For &gt;250 To 500, Deduct</i>	-88.56	
			<i>For &gt;500 To 1000, Deduct</i>	-119.29	
			<i>For &gt;1000, Deduct</i>	-150.02	
26 56	19 00-0237	EA	16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS).....	938.67	104.31
			<i>For &gt;50 To 100, Deduct</i>	-46.93	
			<i>For &gt;100 To 250, Deduct</i>	-70.40	
			<i>For &gt;250 To 500, Deduct</i>	-109.51	
			<i>For &gt;500 To 1000, Deduct</i>	-148.62	
			<i>For &gt;1000, Deduct</i>	-187.73	
26 56	19 00-0238		<b>Wall Pack Accessories</b> <small>(26 56 19 00-0216)</small>		
26 56	19 00-0239	EA	Photocell For Wall Pack.....	124.47	26.08
26 56	19 00-0240	EA	Wire Guard For Mini And Small Wall Pack .....	139.59	26.08
26 56	19 00-0241	EA	Wire Guard For Medium And Large Wall Pack .....	202.81	26.08
26 56	19 00-0242	EA	Clear Polycarbonate Vandal Guard For Wall Packs .....	294.05	26.08
26 56	19 00-0243	EA	Full Cutoff Visor For Wall Pack.....	135.47	26.08
26 56	19 00-0244		<b>Wall Pack LED Fixtures (Jarvis WMFT)</b> <small>(26 56 19 00-0216)</small>		
26 56	19 00-0245	EA	3,200 Lumens, 25 Watt, 1 LED, Wall Mounted Security Fixture (Jarvis Corp WMFT-100).....	312.71	76.23
			<i>For &gt;50 To 100, Deduct</i>	-15.64	
			<i>For &gt;100 To 250, Deduct</i>	-23.45	
			<i>For &gt;250 To 500, Deduct</i>	-35.28	
			<i>For &gt;500 To 1000, Deduct</i>	-47.10	
			<i>For &gt;1000, Deduct</i>	-58.92	
26 56	19 00-0246	EA	6,451 Lumens, 52 Watt, 2 LEDs, Wall Mounted Security Fixture (Jarvis Corp WMFT-250) .....	348.34	76.23
			<i>For &gt;50 To 100, Deduct</i>	-17.42	
			<i>For &gt;100 To 250, Deduct</i>	-26.13	
			<i>For &gt;250 To 500, Deduct</i>	-39.73	
			<i>For &gt;500 To 1000, Deduct</i>	-53.34	
			<i>For &gt;1000, Deduct</i>	-66.94	
26 56	19 00-0247	EA	9,503 Lumens, 77 Watt, 3 LEDs, Wall Mounted Security Fixture (Jarvis Corp WMFT-350) .....	401.79	76.23
			<i>For &gt;50 To 100, Deduct</i>	-20.09	
			<i>For &gt;100 To 250, Deduct</i>	-30.13	
			<i>For &gt;250 To 500, Deduct</i>	-46.41	
			<i>For &gt;500 To 1000, Deduct</i>	-62.69	
			<i>For &gt;1000, Deduct</i>	-78.97	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0248	EA		5,235 Lumens, 54 Watt, 2 LEDs, Wall Mounted Security Fixture (Jarvis Corp WMFT-250-HV).....	375.06	76.23
			<i>For &gt;50 To 100, Deduct</i>	-18.75	
			<i>For &gt;100 To 250, Deduct</i>	-28.13	
			<i>For &gt;250 To 500, Deduct</i>	-43.07	
			<i>For &gt;500 To 1000, Deduct</i>	-58.01	
			<i>For &gt;1000, Deduct</i>	-72.95	
<b>26 56 19 00-0249</b>			<b>LED, Wall Sconce</b> <small>(26 56 19)</small>		
26 56 19 00-0250	EA		25", 2000 Lumens, 20 Watt, 4000K CCT, Aluminum, LED Luminous Wall Sconce.....	1,461.09	41.81
			<i>For &gt;50 To 100, Deduct</i>	-73.05	
			<i>For &gt;100 To 250, Deduct</i>	-109.58	
			<i>For &gt;250 To 500, Deduct</i>	-181.07	
			<i>For &gt;500 To 1000, Deduct</i>	-252.56	
			<i>For &gt;1000, Deduct</i>	-324.04	
26 56 19 00-0251	EA		37", 3000 Lumens, 29 Watt, 4000K CCT, Aluminum, LED Luminous Wall Sconce.....	1,729.56	41.81
			<i>For &gt;50 To 100, Deduct</i>	-86.48	
			<i>For &gt;100 To 250, Deduct</i>	-129.72	
			<i>For &gt;250 To 500, Deduct</i>	-214.63	
			<i>For &gt;500 To 1000, Deduct</i>	-299.54	
			<i>For &gt;1000, Deduct</i>	-384.45	
26 56 19 00-0252	EA		9 Watt, LED Mini Wall Sconce (Lithonia WSTM LED) .....	1,149.35	106.24
			<i>For &gt;50 To 100, Deduct</i>	-57.47	
			<i>For &gt;100 To 250, Deduct</i>	-86.20	
			<i>For &gt;250 To 500, Deduct</i>	-138.36	
			<i>For &gt;500 To 1000, Deduct</i>	-190.51	
			<i>For &gt;1000, Deduct</i>	-242.67	
26 56 19 00-0253	EA		17 Watt, LED Mini Wall Sconce (Lithonia WSTM LED) .....	1,271.52	106.24
			<i>For &gt;50 To 100, Deduct</i>	-63.58	
			<i>For &gt;100 To 250, Deduct</i>	-95.36	
			<i>For &gt;250 To 500, Deduct</i>	-153.63	
			<i>For &gt;500 To 1000, Deduct</i>	-211.89	
			<i>For &gt;1000, Deduct</i>	-270.16	
26 56 19 00-0254	EA		LED Exterior Sconce (EATON TRE15LD420W350 PLBKUNVED) .....	699.12	76.23
			<i>For &gt;50 To 100, Deduct</i>	-34.96	
			<i>For &gt;100 To 250, Deduct</i>	-52.43	
			<i>For &gt;250 To 500, Deduct</i>	-83.58	
			<i>For &gt;500 To 1000, Deduct</i>	-114.72	
			<i>For &gt;1000, Deduct</i>	-145.87	
26 56 19 00-0255	EA		Half Face Surface Mount, 10-1/2" Round, Outdoor LED Sconce (Hubbell WF21 S 9L4KUV WH).....	421.53	41.81
			<i>For &gt;50 To 100, Deduct</i>	-21.08	
			<i>For &gt;100 To 250, Deduct</i>	-31.61	
			<i>For &gt;250 To 500, Deduct</i>	-51.12	
			<i>For &gt;500 To 1000, Deduct</i>	-70.63	
			<i>For &gt;1000, Deduct</i>	-90.14	
<b>26 56 21</b>			<b>HID Exterior Lighting</b> <small>(26 56)</small>		
26 56 21 00-0001			<b>High Mast Fixtures</b> <small>(26 56 21)</small>		
26 56 21 00-0002			<b>Metal Halide, High Mast Fixtures</b> <small>(26 56 21 00-0001)</small>		
26 56 21 00-0003	EA		400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,713.32	150.47
26 56 21 00-0004	EA		400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	1,830.85	150.47
26 56 21 00-0005	EA		750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,815.69	171.90
26 56 21 00-0006	EA		750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	1,886.21	171.90
26 56 21 00-0007	EA		1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,908.25	214.86
26 56 21 00-0008	EA		1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	1,978.77	214.86
26 56 21 00-0009			<b>High Pressure Sodium, High Mast Fixtures</b> <small>(26 56 21 00-0001)</small>		
26 56 21 00-0010	EA		400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,769.10	150.47
26 56 21 00-0011	EA		400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	1,839.61	150.47
26 56 21 00-0012	EA		600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux.....	2,143.25	159.06
26 56 21 00-0013	EA		750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux.....	2,195.69	171.90
26 56 21 00-0014	EA		1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux.....	2,323.50	214.86
26 56 21 00-0015			<b>Metal Halide, Area Fixtures</b> <small>(26 56 21)</small>		
26 56 21 00-0016			<b>Metal Halide, Pole Mount, Area Fixtures</b> <small>(26 56 21 00-0015)</small>		
			Note: Includes pulse start ballast.		
26 56 21 00-0017	EA		150 Watt, Metal Halide Area Fixture, Pole Mount.....	1,056.12	153.81
26 56 21 00-0018	EA		175 Watt, Metal Halide Area Fixture, Pole Mount.....	1,158.91	169.19
26 56 21 00-0019	EA		250 Watt, Metal Halide Area Fixture, Pole Mount.....	1,282.05	184.57
26 56 21 00-0020	EA		400 Watt, Metal Halide Area Fixture, Pole Mount.....	1,352.72	215.33
26 56 21 00-0021			<b>HID, Pole Mounted</b> <small>(26 56 21)</small>		
26 56 21 00-0022			<b>Metal Halide, Pole Mounted</b> <small>(26 56 21 00-0021)</small>		
26 56 21 00-0023	EA		175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture.....	602.02	245.35
26 56 21 00-0024	EA		250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture.....	675.74	266.32
26 56 21 00-0025	EA		400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture.....	785.50	286.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0026 EA 1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	1,001.40	335.76
<b>26 56 21 00-0027 High Pressure Sodium, Pole Mounted</b> <small>(26 56 21 00-0021)</small>		
26 56 21 00-0028 EA 100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	733.61	286.49
26 56 21 00-0029 EA 150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	755.47	286.49
26 56 21 00-0030 EA 175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	790.34	286.49
26 56 21 00-0031 EA 250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	882.74	286.49
26 56 21 00-0032 EA 400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	1,018.67	286.49
26 56 21 00-0033 EA 1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	968.62	286.49
<b>26 56 21 00-0034 Low Pressure Sodium, Pole Mounted</b> <small>(26 56 21 00-0021)</small>		
26 56 21 00-0035 EA 135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed .....	620.70	155.85
26 56 21 00-0036 EA 135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed .....	682.23	229.19
26 56 21 00-0037 EA 180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed .....	801.29	229.19
<b>26 56 21 00-0038 High Pressure Sodium, Area Fixtures</b> <small>(26 56 21)</small>		
<b>26 56 21 00-0039 Pole Mount, High Pressure Sodium Area Fixtures</b> <small>(26 56 21 00-0038)</small>		
26 56 21 00-0040 EA 100 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	878.14	123.05
26 56 21 00-0041 EA 150 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	952.55	153.81
26 56 21 00-0042 EA 250 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	1,030.41	184.57
26 56 21 00-0043 EA 400 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	1,083.05	215.33
<b>26 56 21 00-0044 Surface Mounted, Rectangular Exterior Area Fixture</b> <small>(26 56 21)</small>		
<b>26 56 21 00-0045 Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture</b> <small>(26 56 21 00-0044)</small>		
26 56 21 00-0046 EA 175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	568.16	229.19
26 56 21 00-0047 EA 250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	644.43	257.84
26 56 21 00-0048 EA 400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	768.27	286.49
26 56 21 00-0049 EA 1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	985.37	335.76
<b>26 56 21 00-0050 High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture</b> <small>(26 56 21 00-0044)</small>		
26 56 21 00-0051 EA 70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	541.81	195.96
26 56 21 00-0052 EA 100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	587.74	208.57
26 56 21 00-0053 EA 150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	632.31	220.03
26 56 21 00-0054 EA 175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	653.63	229.19
26 56 21 00-0055 EA 250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	724.31	257.84
26 56 21 00-0056 EA 400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	780.77	286.49
26 56 21 00-0057 EA 1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	1,082.92	335.76
<b>26 56 21 00-0058 Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures</b> <small>(26 56 21)</small>		
<b>26 56 21 00-0059 High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures</b> <small>(26 56 21 00-0058)</small>		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0060 EA 35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	548.81	154.70
26 56 21 00-0061 EA 50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	574.45	171.90
26 56 21 00-0062 EA 70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	620.01	195.96
26 56 21 00-0063 EA 100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	640.34	208.57
26 56 21 00-0064 EA 150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	660.53	220.03
26 56 21 00-0065 EA 175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	691.06	229.19
26 56 21 00-0066 EA 250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	754.95	257.84
26 56 21 00-0067 EA 400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	897.99	286.49
<b>26 56 21 00-0068 Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures</b> <small>(26 56 21 00-0058)</small>		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0069 EA 50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	607.28	171.90
26 56 21 00-0070 EA 70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	647.22	195.96
26 56 21 00-0071 EA 100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	673.60	208.57
26 56 21 00-0072 EA 150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	702.89	220.03
26 56 21 00-0073 EA 175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	717.80	229.19
26 56 21 00-0074 EA 250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	782.62	257.84
26 56 21 00-0075 EA 400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	974.04	286.49
<b>26 56 21 00-0076 Wall Packs</b> <small>(26 56 21)</small>		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 56 21 00-0077</b>	<b>Non Cutoff, Polycarbonate Lens, Mini Wall Packs</b> <small>(26 56 21 00-0076)</small> Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 21 00-0078	EA 13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack .....	326.44	52.15
26 56 21 00-0079	EA 50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack .....	351.41	52.15
26 56 21 00-0080	EA 35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	351.41	52.15
26 56 21 00-0081	EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	472.48	52.15
<b>26 56 21 00-0082</b>	<b>Semi Cutoff, Polycarbonate Lens, Mini Wall Packs</b> <small>(26 56 21 00-0076)</small> Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 21 00-0083	EA 42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	667.91	52.15
26 56 21 00-0084	EA 50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	676.89	52.15
26 56 21 00-0085	EA 70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	684.66	52.15
26 56 21 00-0086	EA 100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	670.49	52.15
26 56 21 00-0087	EA 70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	612.23	52.15
26 56 21 00-0088	EA 100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	580.22	52.15
<b>26 56 21 00-0089</b>	<b>Cutoff, Polycarbonate Lens, Mini Wall Packs</b> <small>(26 56 21 00-0076)</small> Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 21 00-0090	EA 50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	704.77	52.15
26 56 21 00-0091	EA 70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	712.96	52.15
26 56 21 00-0092	EA 100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	698.81	52.15
26 56 21 00-0093	EA 70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	710.20	52.15
26 56 21 00-0094	EA 100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	710.20	52.15
<b>26 56 21 00-0095</b>	<b>Non Cutoff, Borosilicate Glass Lens, Small Wall Packs</b> <small>(26 56 21 00-0076)</small> Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0096	EA 70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	662.80	69.47
26 56 21 00-0097	EA 100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	662.80	69.47
26 56 21 00-0098	EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	618.95	69.47
26 56 21 00-0099	EA 70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	635.76	69.47
26 56 21 00-0100	EA 100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	635.76	69.47
26 56 21 00-0101	EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	587.14	69.47
<b>26 56 21 00-0102</b>	<b>Cutoff, Borosilicate Glass Lens, Small Wall Packs</b> <small>(26 56 21 00-0076)</small> Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0103	EA 70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	688.78	69.47
26 56 21 00-0104	EA 100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	688.78	69.47
26 56 21 00-0105	EA 175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	688.78	69.47
26 56 21 00-0106	EA 70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	662.99	69.47
26 56 21 00-0107	EA 100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	662.99	69.47
26 56 21 00-0108	EA 150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	662.99	69.47
<b>26 56 21 00-0109</b>	<b>Full Cutoff, Tempered Glass Lens, Small Wall Packs</b> <small>(26 56 21 00-0076)</small> Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 21 00-0110	EA 175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack .....	898.67	69.47
<b>26 56 21 00-0111</b>	<b>Full Cutoff, Tempered Glass Lens, Half Cylinder Sconce/Wall Packs</b> <b>(Philips Gardco)</b> <small>(26 56 21 00-0076)</small>		
26 56 21 00-0112	EA 100 Watt Ceramic Metal Halide, Full Cutoff, Tempered Glass Lens, Half Cylinder Sconce/Wall Pack (Philips Gardco 104FT).....	1,483.20	69.47
26 56 21 00-0113	EA 42 Watt Compact Fluorescent, Full Cutoff, Tempered Glass Lens, Emergency Half Cylinder Sconce/Wall Pack (Philips Gardco 104EMMT) .....	1,400.61	69.47
<b>26 56 21 00-0114</b>	<b>Cutoff, Borosilicate Glass Lens, Medium Wall Packs</b> <small>(26 56 21 00-0076)</small> Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 21 00-0115	EA 250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack .....	835.60	86.06
	Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 21 00-0116	EA 400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack .....	895.05	86.06
	Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 21 00-0117	EA 250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack .....	965.93	86.06
	Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 21 00-0118	EA 400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack .....	985.43	86.06
	Note: 9-1/4" x 17-7/8" x 12-1/2".		
<b>26 56 21 00-0119</b>	<b>Cutoff, Tempered Glass Lens, Medium Wall Packs</b> <small>(26 56 21 00-0076)</small> Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 21 00-0120	EA 250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack .....	912.07	86.06
26 56 21 00-0121	EA 400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack .....	978.86	86.06
<b>26 56 21 00-0122</b>	<b>Non Cutoff, Polycarbonate Lens, Large Wall Packs</b> <small>(26 56 21 00-0076)</small> Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 21 00-0123	EA 100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	831.69	104.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0124 EA 175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack .....	760.95	104.31
26 56 21 00-0125 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack .....	815.32	104.31
26 56 21 00-0126 EA 100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack .....	820.73	104.31
26 56 21 00-0127 EA 150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack .....	826.41	104.31
<b>26 56 21 00-0128 Non Cutoff, Borosilicate Glass Lens, Large Wall Packs</b> (26 56 21 00-0076) Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 21 00-0129 EA 70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	831.71	104.31
26 56 21 00-0130 EA 250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	855.32	104.31
26 56 21 00-0131 EA 400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	926.06	104.31
26 56 21 00-0132 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	878.90	104.31
26 56 21 00-0133 EA 250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	902.51	104.31
26 56 21 00-0134 EA 400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	949.63	104.31
<b>26 56 21 00-0135 Semi Cutoff, Induction Wall Packs</b> (26 56 21 00-0076)		
<b>26 56 21 00-0136 Semi Cutoff, Induction Wall Packs (Everlast®)</b> (26 56 21 00-0135) Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0137 EA 70 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70) .....	1,110.15	103.20
26 56 21 00-0138 EA 80 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80) .....	1,132.37	109.28
26 56 21 00-0139 EA 100 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100) .....	1,154.58	115.34
26 56 21 00-0140 EA 120 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120) .....	1,287.55	121.42
<b>26 56 21 00-0141 Non Cutoff, Polycarbonate Lens, Small Wall Packs</b> (26 56 21 00-0076)		
26 56 21 00-0142 EA 15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPK1N/015UNV740/NC/BZ/P) .....	337.61	52.15
<b>26 56 21 00-0143 Induction, Roadway Lighting</b> (26 56 21)		
<b>26 56 21 00-0144 Induction Roadway Lighting (US Lighting Tech)</b> (26 56 21 00-0143) Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.		
26 56 21 00-0145 EA 40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	610.46	182.13
26 56 21 00-0146 EA 70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	670.87	188.20
26 56 21 00-0147 EA 100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	695.16	200.34
26 56 21 00-0148 EA 150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	719.44	212.48
26 56 21 00-0149 EA 200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	842.61	218.56
26 56 21 00-0150 EA 250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	858.61	224.62
26 56 21 00-0151 EA 40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) .....	569.91	182.13
26 56 21 00-0152 EA 70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) .....	636.11	188.20
26 56 21 00-0153 EA 100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) .....	660.40	200.34
26 56 21 00-0154 EA 150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) .....	684.68	212.48
<b>26 56 21 00-0155 Induction, Area Fixtures</b> (26 56 21)		
<b>26 56 21 00-0156 Post Top, Induction Area Fixtures</b> (26 56 21 00-0155)		
<b>26 56 21 00-0157 Post Top, Induction Area Fixtures (US Lighting Tech)</b> (26 56 21 00-0156) Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 21 00-0158 EA 40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) .....	682.44	166.95
26 56 21 00-0159 EA 70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) .....	738.43	166.95
26 56 21 00-0160 EA 100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) .....	738.43	166.95
26 56 21 00-0161 EA 150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) .....	738.43	166.95
<b>26 56 21 00-0162 Surface Mount, Induction Parking Structure Fixtures</b> (26 56 21 00-0155)		
<b>26 56 21 00-0163 Surface Mount, Induction Parking Structure Fixtures (Everlast®)</b> (26 56 21 00-0162)		
26 56 21 00-0164 EA 40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	619.00	151.77
26 56 21 00-0165 EA 55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	657.89	154.81
26 56 21 00-0166 EA 70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	667.83	157.85
26 56 21 00-0167 EA 80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	677.76	160.88
26 56 21 00-0168 EA 100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	687.69	163.91
26 56 21 00-0169 EA 120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	701.48	166.95
26 56 21 00-0170 EA 70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	723.82	157.85
26 56 21 00-0171 EA 80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	733.76	160.88
26 56 21 00-0172 EA 100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	743.69	163.91
26 56 21 00-0173 EA 120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	773.89	166.95
<b>26 56 21 00-0174 Pole Mount, Induction Area Fixtures</b> (26 56 21 00-0155)		
<b>26 56 21 00-0175 Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED)</b> (26 56 21 00-0174) Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		





<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0176 EA 70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70).....	1,160.50	103.20
26 56 21 00-0177 EA 80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80).....	1,192.78	109.28
26 56 21 00-0178 EA 100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100).....	1,225.06	115.34

**END OF SECTION 26**

26	<b>26</b>	<b>Electrical</b>
	26 50	Lighting
	26 56	Exterior Lighting



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

### 27 01 Operation and Maintenance of Communications Systems <sup>(27)</sup>

#### 27 01 10 Operation and Maintenance of Structured Cabling and Enclosures <sup>(27 01)</sup>

27 01 10 00-0001 HR Testing Of Existing Data Communication Cabling ..... 103.54

### 27 05 Common Work Results for Communications <sup>(27)</sup>

#### 27 05 26 Grounding and Bonding for Communications Systems <sup>(27 05)</sup>

See CSI section 26 05 26 00-0000 for grounding.

27 05 26 00-0001	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00).....	951.19	106.81
		Note: Excludes terminations.		
27 05 26 00-0002	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00).....	1,212.57	142.45
		Note: Excludes terminations.		
27 05 26 00-0003	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00).....	1,924.82	213.61
		Note: Excludes terminations.		
27 05 26 00-0004	EA	Lucent 3B1-EW, Gas Tube Protector Unit.....	11.49	1.57
27 05 26 00-0005	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK).....	71.31	28.22
27 05 26 00-0006	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar.....	180.74	28.22
27 05 26 00-0007	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar.....	348.09	28.22
27 05 26 00-0008	EA	#6 AWG, Cable Runway Ground Strap.....	69.41	5.22
27 05 26 00-0009	EA	1/4" Screw Size, #6 AWG Compression Lug.....	23.55	5.22
27 05 26 00-0010	EA	3/8" Screw Size, #6 AWG Compression Lug.....	25.17	5.22
27 05 26 00-0011	EA	Two Mounting Hole, Ground Terminal Block.....	28.16	5.22

#### 27 05 29 Hangers and Supports for Communications Systems <sup>(27 05)</sup>

See CSI section 26 05 29 00-0000 for hangers and supports.

##### 27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29)</sup>

##### 27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29 00-0001)</sup>

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12).....	8.48	2.61
		<i>For &gt;50 To 100, Deduct</i>	-0.34	
		<i>For &gt;100 To 250, Deduct</i>	-0.69	
		<i>For &gt;250 To 500, Deduct</i>	-1.29	
		<i>For &gt;500, Deduct</i>	-1.89	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.41	
		<i>For Work In Restricted Working Space, Add</i>	1.57	
		<i>For Painted Powder Coated Finish, Add</i>	0.66	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21).....	8.99	2.61
		<i>For &gt;50 To 100, Deduct</i>	-0.36	
		<i>For &gt;100 To 250, Deduct</i>	-0.71	
		<i>For &gt;250 To 500, Deduct</i>	-1.33	
		<i>For &gt;500, Deduct</i>	-1.94	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.41	
		<i>For Work In Restricted Working Space, Add</i>	1.57	
		<i>For Painted Powder Coated Finish, Add</i>	2.32	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	8.27	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32).....	9.77	2.61
		<i>For &gt;50 To 100, Deduct</i>	-0.37	
		<i>For &gt;100 To 250, Deduct</i>	-0.75	
		<i>For &gt;250 To 500, Deduct</i>	-1.39	
		<i>For &gt;500, Deduct</i>	-2.02	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.41	
		<i>For Work In Restricted Working Space, Add</i>	1.57	
		<i>For Painted Powder Coated Finish, Add</i>	2.85	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	10.28	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64).....	16.54	2.61
		<i>For &gt;50 To 100, Deduct</i>	-0.54	
		<i>For &gt;100 To 250, Deduct</i>	-1.09	
		<i>For &gt;250 To 500, Deduct</i>	-1.89	
		<i>For &gt;500, Deduct</i>	-2.70	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.41	
		<i>For Work In Restricted Working Space, Add</i>	1.57	
		<i>For Painted Powder Coated Finish, Add</i>	1.52	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	9.11	

**27 Communications****27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 05 29 00-0007	<b>Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)</b> (27 05 29 00-0001) Note: Includes screw.		
27 05 29 00-0008	EA 3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB) .....	9.67	2.61
	For >50 To 100, Deduct	-0.37	
	For >100 To 250, Deduct	-0.74	
	For >250 To 500, Deduct	-1.38	
	For >500, Deduct	-2.01	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.41	
	For Work In Restricted Working Space, Add	1.57	
27 05 29 00-0009	EA 1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB) .....	12.71	2.61
	For >50 To 100, Deduct	-0.45	
	For >100 To 250, Deduct	-0.90	
	For >250 To 500, Deduct	-1.61	
	For >500, Deduct	-2.32	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.41	
	For Work In Restricted Working Space, Add	1.57	
27 05 29 00-0010	EA 2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB) .....	14.20	2.61
	For >50 To 100, Deduct	-0.49	
	For >100 To 250, Deduct	-0.97	
	For >250 To 500, Deduct	-1.72	
	For >500, Deduct	-2.46	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.41	
	For Work In Restricted Working Space, Add	1.57	
27 05 29 00-0011	EA 4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB) .....	19.50	2.61
	For >50 To 100, Deduct	-0.62	
	For >100 To 250, Deduct	-1.24	
	For >250 To 500, Deduct	-2.12	
	For >500, Deduct	-2.99	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.41	
	For Work In Restricted Working Space, Add	1.57	
27 05 29 00-0012	<b>Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)</b> (27 05 29 00-0001) Note: Excludes strut.		
27 05 29 00-0013	EA 3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4) .....	10.23	2.61
	For >50 To 100, Deduct	-0.39	
	For >100 To 250, Deduct	-0.77	
	For >250 To 500, Deduct	-1.42	
	For >500, Deduct	-2.07	
	For Work In Restricted Working Space, Add	1.57	
27 05 29 00-0014	EA 1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4) .....	12.26	2.61
	For >50 To 100, Deduct	-0.44	
	For >100 To 250, Deduct	-0.87	
	For >250 To 500, Deduct	-1.57	
	For >500, Deduct	-2.27	
	For Work In Restricted Working Space, Add	1.57	
27 05 29 00-0015	EA 2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4) .....	13.32	2.61
	For >50 To 100, Deduct	-0.46	
	For >100 To 250, Deduct	-0.93	
	For >250 To 500, Deduct	-1.65	
	For >500, Deduct	-2.38	
	For Work In Restricted Working Space, Add	1.57	
27 05 29 00-0016	EA 4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4) .....	18.33	2.61
	For >50 To 100, Deduct	-0.59	
	For >100 To 250, Deduct	-1.18	
	For >250 To 500, Deduct	-2.03	
	For >500, Deduct	-2.88	
	For Work In Restricted Working Space, Add	1.57	
27 05 29 00-0017	<b>T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)</b> (27 05 29 00-0001) Note: Excludes T-Bar.		
27 05 29 00-0018	EA 3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28) .....	12.46	2.61
	For >50 To 100, Deduct	-0.44	
	For >100 To 250, Deduct	-0.88	
	For >250 To 500, Deduct	-1.59	
	For >500, Deduct	-2.29	
	For Work In Restricted Working Space, Add	1.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0019 EA 1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28).....	15.89	2.61
<i>For &gt;50 To 100, Deduct</i>	-0.53	
<i>For &gt;100 To 250, Deduct</i>	-1.06	
<i>For &gt;250 To 500, Deduct</i>	-1.84	
<i>For &gt;500, Deduct</i>	-2.63	
<i>For Work In Restricted Working Space, Add</i>	1.57	
27 05 29 00-0020 EA 2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28) .....	16.79	2.61
<i>For &gt;50 To 100, Deduct</i>	-0.55	
<i>For &gt;100 To 250, Deduct</i>	-1.10	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.72	
<i>For Work In Restricted Working Space, Add</i>	1.57	
<b>27 05 29 00-0021 Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small></b>		
Note: Excludes threaded rod. See CSI section 26 05 29 00-0372 for threaded rod.		
27 05 29 00-0022 EA 3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6).....	9.96	2.61
<i>For &gt;50 To 100, Deduct</i>	-0.38	
<i>For &gt;100 To 250, Deduct</i>	-0.76	
<i>For &gt;250 To 500, Deduct</i>	-1.40	
<i>For &gt;500, Deduct</i>	-2.04	
<i>For Work In Restricted Working Space, Add</i>	1.57	
27 05 29 00-0023 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6) .....	10.43	2.61
<i>For &gt;50 To 100, Deduct</i>	-0.39	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-1.43	
<i>For &gt;500, Deduct</i>	-2.09	
<i>For Work In Restricted Working Space, Add</i>	1.57	
27 05 29 00-0024 EA 2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6).....	12.81	2.61
<i>For &gt;50 To 100, Deduct</i>	-0.45	
<i>For &gt;100 To 250, Deduct</i>	-0.90	
<i>For &gt;250 To 500, Deduct</i>	-1.61	
<i>For &gt;500, Deduct</i>	-2.33	
<i>For Work In Restricted Working Space, Add</i>	1.57	
<b>27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small></b>		
Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0372 for threaded rod, nuts and washers.		
27 05 29 00-0026 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB).....	12.54	2.61
<i>For &gt;50 To 100, Deduct</i>	-0.44	
<i>For &gt;100 To 250, Deduct</i>	-0.89	
<i>For &gt;250 To 500, Deduct</i>	-1.59	
<i>For &gt;500, Deduct</i>	-2.30	
<i>For Work In Restricted Working Space, Add</i>	1.57	
27 05 29 00-0027 EA 2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB).....	13.65	2.61
<i>For &gt;50 To 100, Deduct</i>	-0.47	
<i>For &gt;100 To 250, Deduct</i>	-0.94	
<i>For &gt;250 To 500, Deduct</i>	-1.68	
<i>For &gt;500, Deduct</i>	-2.41	
<i>For Work In Restricted Working Space, Add</i>	1.57	
27 05 29 00-0028 EA 4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB).....	19.19	2.61
<i>For &gt;50 To 100, Deduct</i>	-0.61	
<i>For &gt;100 To 250, Deduct</i>	-1.22	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.96	
<i>For Work In Restricted Working Space, Add</i>	1.57	
<b>27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small></b>		
27 05 29 00-0030 EA 3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A).....	12.38	2.61
<i>For &gt;50 To 100, Deduct</i>	-0.44	
<i>For &gt;100 To 250, Deduct</i>	-0.88	
<i>For &gt;250 To 500, Deduct</i>	-1.58	
<i>For &gt;500, Deduct</i>	-2.28	
<i>For Work In Restricted Working Space, Add</i>	1.57	
27 05 29 00-0031 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A).....	14.37	2.61
<i>For &gt;50 To 100, Deduct</i>	-0.49	
<i>For &gt;100 To 250, Deduct</i>	-0.98	
<i>For &gt;250 To 500, Deduct</i>	-1.73	
<i>For &gt;500, Deduct</i>	-2.48	
<i>For Work In Restricted Working Space, Add</i>	1.57	

**27 Communications****27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0032 EA 2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A) .....	15.42	2.61
For >50 To 100, Deduct	-0.52	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.59	
For Work In Restricted Working Space, Add	1.57	
27 05 29 00-0033 EA 4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A) .....	21.20	2.61
For >50 To 100, Deduct	-0.66	
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-2.24	
For >500, Deduct	-3.16	
For Work In Restricted Working Space, Add	1.57	
<b>27 05 29 00-0034 Adjustable Cable Supports (Caddy® CableCat CAT425) (27 05 29)</b>		
27 05 29 00-0035 EA Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	35.85	3.44
For >50 To 100, Deduct	-1.16	
For >100 To 250, Deduct	-2.31	
For >250 To 500, Deduct	-3.99	
For >500, Deduct	-5.67	
For Installation On Concrete (Includes Drilling And Fastener), Add	2.71	
For Work In Restricted Working Space, Add	3.13	
27 05 29 00-0036 EA Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	36.59	3.44
For >50 To 100, Deduct	-1.18	
For >100 To 250, Deduct	-2.35	
For >250 To 500, Deduct	-4.05	
For >500, Deduct	-5.75	
For Work In Restricted Working Space, Add	3.13	
27 05 29 00-0037 EA Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	40.46	3.44
For >50 To 100, Deduct	-1.27	
For >100 To 250, Deduct	-2.54	
For >250 To 500, Deduct	-4.34	
For >500, Deduct	-6.13	
For Work In Restricted Working Space, Add	3.13	
27 05 29 00-0038 EA >1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	35.72	3.44
For >50 To 100, Deduct	-1.15	
For >100 To 250, Deduct	-2.31	
For >250 To 500, Deduct	-3.98	
For >500, Deduct	-5.66	
For Work In Restricted Working Space, Add	3.13	
27 05 29 00-0039 EA Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	37.52	3.44
For >50 To 100, Deduct	-1.20	
For >100 To 250, Deduct	-2.40	
For >250 To 500, Deduct	-4.12	
For >500, Deduct	-5.84	
For Work In Restricted Working Space, Add	3.13	
27 05 29 00-0040 EA >1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	39.29	3.44
For >50 To 100, Deduct	-1.24	
For >100 To 250, Deduct	-2.49	
For >250 To 500, Deduct	-4.25	
For >500, Deduct	-6.02	
For Work In Restricted Working Space, Add	3.13	
27 05 29 00-0041 EA Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	36.91	3.44
For >50 To 100, Deduct	-1.18	
For >100 To 250, Deduct	-2.37	
For >250 To 500, Deduct	-4.07	
For >500, Deduct	-5.78	
For Work In Restricted Working Space, Add	3.13	

**27 05 33 Conduits and Backboxes for Communications Systems (27 05)**

See CSI section 26 05 33 00-0000 for conduit and boxes.

**27 05 36 Cable Trays for Communications Systems (27 05)**

See CSI section 26 05 36 00-0000 for cable trays.

**27 05 39 Surface Raceways for Communications Systems (27 05)**

See CSI section 26 05 33 00-0000 for surface raceways.

**27 05 43 Underground Ducts and Raceways for Communications Systems (27 05)**

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

**27 05 46 Utility Poles for Communications Systems (27 05)**

See CSI section 26 05 46 00-0000 for utility poles.

**27 05 53 Identification for Communications Systems (27 05)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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See CSI section 26 05 53 00-0000 for identification.

## 27 10 Structured Cabling <sup>(27)</sup>

Note: Includes testing.

### 27 11 Communications Equipment Room Fittings <sup>(27 10)</sup>

#### 27 11 16 Communications Cabinets, Racks, Frames, and Enclosures <sup>(27 11)</sup>

<b>27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards <sup>(27 11 16)</sup></b>			
27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Backboard.....	109.25
		<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	43.47
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Backboard.....	218.50
		<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	86.94

#### 27 11 16 00-0004 Terminal Cabinets <sup>(27 11 16)</sup>

27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	345.09	78.23
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	441.58	86.06
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	508.09	99.09
27 11 16 00-0008	EA	18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard.....	527.66	101.70
27 11 16 00-0009	EA	24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard.....	654.17	104.31
27 11 16 00-0010	EA	26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard.....	815.10	117.35
27 11 16 00-0011	EA	24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	836.82	114.74
27 11 16 00-0012	EA	30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,068.39	163.46
27 11 16 00-0013	EA	36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,140.80	179.62
27 11 16 00-0014	EA	42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,390.18	189.74
27 11 16 00-0015	EA	30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,148.32	156.46
27 11 16 00-0016	EA	36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,241.77	169.51
27 11 16 00-0017	EA	48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,545.49	217.28
27 11 16 00-0018	EA	54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,851.09	271.63
27 11 16 00-0019	EA	48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard.....	2,116.45	268.60
27 11 16 00-0020	EA	60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard.....	2,422.95	326.81

#### 27 11 16 00-0021 Equipment Racks And Cable Managers <sup>(27 11 16)</sup>

#### 27 11 16 00-0022 Equipment Racks <sup>(27 11 16 00-0021)</sup>

Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.

#### 27 11 16 00-0023 Standard Equipment Racks <sup>(27 11 16 00-0022)</sup>

#### 27 11 16 00-0024 19" Width, Standard Equipment Racks <sup>(27 11 16 00-0023)</sup>

27 11 16 00-0025	EA	84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03).....	520.42	166.90
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	9.33	
27 11 16 00-0026	EA	96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15).....	722.93	177.33
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	18.41	
27 11 16 00-0027	EA	108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08).....	780.99	187.76
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.27	

#### 27 11 16 00-0028 Universal Equipment Racks <sup>(27 11 16 00-0022)</sup>

#### 27 11 16 00-0029 Universal Equipment Racks <sup>(27 11 16 00-0028)</sup>

#### 27 11 16 00-0030 19" Width, EIA Universal Equipment Racks <sup>(27 11 16 00-0029)</sup>

27 11 16 00-0031	EA	36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31).....	677.99	146.04
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	19.30	
27 11 16 00-0032	EA	48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20).....	741.02	148.64
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.19	
27 11 16 00-0033	EA	60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19).....	740.03	151.25
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.88	
27 11 16 00-0034	EA	66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00).....	759.05	153.86
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.57	
27 11 16 00-0035	EA	72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01).....	777.86	156.46
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.25	
27 11 16 00-0036	EA	78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02).....	798.24	159.08
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.00	
27 11 16 00-0037	EA	84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03).....	679.76	161.69
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	17.82	
27 11 16 00-0038	EA	90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05).....	837.84	164.29
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.46	
27 11 16 00-0039	EA	96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15).....	867.54	166.90
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.69	
27 11 16 00-0040	EA	102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17).....	893.47	169.51
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.72	
27 11 16 00-0041	EA	108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08).....	899.72	172.11
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.78	

#### 27 11 16 00-0042 23" Width, Universal Equipment Racks <sup>(27 11 16 00-0029)</sup>

27 11 16 00-0043	EA	36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31).....	717.59	146.04
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.28	

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 11</b>	<b>Communications Equipment Room Fittings</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0044	EA		48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20).....	742.49	148.64
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.26	
27 11 16 00-0045	EA		60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19).....	764.42	151.25
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.10	
27 11 16 00-0046	EA		66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00).....	805.43	153.86
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.89	
27 11 16 00-0047	EA		72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01).....	825.61	156.46
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.63	
27 11 16 00-0048	EA		78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02).....	847.57	159.08
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.47	
27 11 16 00-0049	EA		84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03).....	729.66	161.69
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.32	
27 11 16 00-0050	EA		90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05).....	890.19	164.29
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	28.08	
27 11 16 00-0051	EA		96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15).....	922.37	166.90
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.43	
27 11 16 00-0052	EA		102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17).....	950.46	169.51
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	30.57	
27 11 16 00-0053	EA		108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08).....	956.81	172.11
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	30.63	
<b>27 11 16 00-0054</b>			<b>35" Width, Universal Equipment Racks (27 11 16 00-0029)</b>		
27 11 16 00-0055	EA		72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01).....	892.74	156.46
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	28.99	
27 11 16 00-0056	EA		84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03).....	940.17	161.69
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	30.84	
<b>27 11 16 00-0057</b>			<b>UL Listed Universal Equipment Racks (27 11 16 00-0028)</b>		
			Note: UL listed as a communications circuit accessory.		
<b>27 11 16 00-0058</b>			<b>19" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)</b>		
27 11 16 00-0059	EA		36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31) .....	716.59	146.04
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.23	
27 11 16 00-0060	EA		48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20) .....	774.80	148.64
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.88	
27 11 16 00-0061	EA		60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19) .....	786.68	151.25
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.21	
27 11 16 00-0062	EA		66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00) .....	804.22	153.86
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.83	
27 11 16 00-0063	EA		72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01) .....	824.35	156.46
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.57	
27 11 16 00-0064	EA		78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02) .....	846.25	159.08
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.41	
27 11 16 00-0065	EA		84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03) .....	867.28	161.69
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.20	
27 11 16 00-0066	EA		90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05) .....	888.79	164.29
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	28.01	
27 11 16 00-0067	EA		96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15) .....	920.93	166.90
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.36	
27 11 16 00-0068	EA		102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17) .....	948.95	169.51
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	30.50	
27 11 16 00-0069	EA		108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08) .....	955.23	172.11
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	30.55	
<b>27 11 16 00-0070</b>			<b>23" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)</b>		
27 11 16 00-0071	EA		36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31) .....	760.19	146.04
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.41	
27 11 16 00-0072	EA		48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20) .....	833.93	148.64
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.83	
27 11 16 00-0073	EA		60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19) .....	844.56	151.25
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.10	
27 11 16 00-0074	EA		66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00) .....	855.20	153.86
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.37	
27 11 16 00-0075	EA		72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01) .....	876.87	156.46
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	28.20	
27 11 16 00-0076	EA		78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02) .....	900.52	159.08
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.12	
27 11 16 00-0077	EA		84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03) .....	923.15	161.69
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.99	
27 11 16 00-0078	EA		90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05) .....	946.33	164.29
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	30.89	
27 11 16 00-0079	EA		96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15) .....	981.22	166.90
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	32.37	
27 11 16 00-0080	EA		102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17) .....	1,011.61	169.51
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	33.63	
27 11 16 00-0081	EA		108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08) .....	1,018.16	172.11
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	33.70	
<b>27 11 16 00-0082</b>			<b>4-Post Equipment Racks And Server Frames (27 11 16 00-0022)</b>		





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 11 16 00-0083</b>				<b>4-Post Equipment Racks</b> (27 11 16 00-0082)		
	EA			19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03).....	1,449.00	260.78
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	<i>46.37</i>	
	EA			19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15).....	1,582.41	271.21
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	<i>52.00</i>	
	EA			19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08).....	1,708.25	281.64
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	<i>57.25</i>	
<b>27 11 16 00-0087</b>				<b>4-Post Server Frame</b> (27 11 16 00-0082)		
	EA			19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03).....	1,489.80	260.78
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	<i>48.41</i>	
<b>27 11 16 00-0089</b>				<b>Cable Managers</b> (27 11 16 00-0021)		
<b>27 11 16 00-0090</b>				<b>Horizontal Cable Managers</b> (27 11 16 00-0089)		
<b>27 11 16 00-0091</b>				<b>Single-Sided, Horizontal Cable Managers</b> (27 11 16 00-0090)		
	EA			1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719) .....	83.98	10.43
	EA			1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723) .....	93.55	10.43
	EA			1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701) .....	70.06	10.43
	EA			2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719) .....	85.42	10.43
	EA			2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723) .....	100.24	10.43
	EA			2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702) .....	77.62	10.43
	EA			3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719) .....	115.28	10.43
	EA			3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723) .....	131.27	10.43
	EA			3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703) .....	92.76	10.43
<b>27 11 16 00-0101</b>				<b>Double-Sided, Horizontal Cable Managers</b> (27 11 16 00-0090)		
	EA			1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719) .....	104.38	10.43
	EA			1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723) .....	117.00	10.43
	EA			2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719) .....	109.85	10.43
	EA			2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723) .....	127.92	10.43
	EA			3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719) .....	142.25	10.43
	EA			3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723) .....	159.33	10.43
<b>27 11 16 00-0108</b>				<b>Vertical Cable Managers</b> (27 11 16 00-0089)		
<b>27 11 16 00-0109</b>				<b>Single-Sided, Vertical Cable Managers</b> (27 11 16 00-0108)		
	EA			3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701).....	188.34	15.65
	EA			6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701).....	285.92	15.65
	EA			10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701).....	428.64	15.65
	EA			12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701).....	485.41	15.65
	EA			3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703).....	201.58	15.65
	EA			6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703).....	286.73	15.65
	EA			10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703).....	466.48	15.65
	EA			12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703).....	523.25	15.65
	EA			3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715).....	228.07	15.65
	EA			6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715).....	315.11	15.65
	EA			10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715).....	523.25	15.65
	EA			12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715).....	580.01	15.65
<b>27 11 16 00-0122</b>				<b>Double-Sided, Vertical Cable Managers</b> (27 11 16 00-0108)		
	EA			3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701).....	273.49	15.65
	EA			6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701).....	322.68	15.65
	EA			10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701).....	523.25	15.65
	EA			12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701).....	617.86	15.65
	EA			3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703).....	296.19	15.65
	EA			6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703).....	345.39	15.65
	EA			10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703).....	561.09	15.65
	EA			12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703).....	655.70	15.65
	EA			3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715).....	326.47	15.65
	EA			6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715).....	375.66	15.65
	EA			10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715).....	617.86	15.65
	EA			12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715).....	712.46	15.65
<b>27 11 16 00-0135</b>				<b>Accessories For Vertical Cable Managers</b> (27 11 16 00-0108)		
	EA			Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716) .....	115.47	10.43
	EA			Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717) .....	123.04	10.43
	EA			Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718) .....	130.60	10.43
	EA			Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726) .....	119.25	10.43
	EA			Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727) .....	130.60	10.43
	EA			Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728).....	141.96	10.43
	EA			Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746) .....	134.39	10.43
	EA			Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747) .....	145.74	10.43

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 11</b>	<b>Communications Equipment Room Fittings</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0144 EA Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748) .....	157.09	10.43
27 11 16 00-0145 EA Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756) .....	141.96	10.43
27 11 16 00-0146 EA Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757) .....	157.09	10.43
27 11 16 00-0147 EA Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758) .....	168.45	10.43
27 11 16 00-0148 EA Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001) .....	96.55	10.43
27 11 16 00-0149 EA Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701) .....	111.68	10.43
27 11 16 00-0150 EA Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001) .....	116.79	10.43
27 11 16 00-0151 EA Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001) .....	73.84	10.43

### 27 11 19 Communications Termination Blocks and Patch Panels <sup>(27 11)</sup>

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 26 05 53 00-0020 for labeling.

#### 27 11 19 00-0001 Computer Network Components <sup>(27 11 19)</sup>

#### 27 11 19 00-0002 Ethernet Patch Panels <sup>(27 11 19 00-0001)</sup>

27 11 19 00-0003 EA 12 Port, Category 5E Patch Panel .....	272.06	52.15
27 11 19 00-0004 EA 24 Port, Category 5E Patch Panel .....	415.19	52.15
27 11 19 00-0005 EA 32 Port, Category 5E Patch Panel .....	550.62	52.15
27 11 19 00-0006 EA 48 Port, Category 5E Patch Panel .....	676.82	52.15
27 11 19 00-0007 EA 64 Port, Category 5E Patch Panel .....	750.89	65.20
27 11 19 00-0008 EA 96 Port, Category 5E Patch Panel .....	1,258.38	78.23
27 11 19 00-0009 EA 12 Port, Category 6 Patch Panel .....	340.86	52.15
27 11 19 00-0010 EA 24 Port, Category 6 Patch Panel .....	424.42	52.15
27 11 19 00-0011 EA 48 Port, Category 6 Patch Panel .....	744.53	52.15
27 11 19 00-0012 EA 96 Port, Category 6 Patch Panel .....	1,387.66	78.23
27 11 19 00-0013 EA 16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP) .....	704.77	78.23
27 11 19 00-0014 EA 16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP) .....	739.56	78.23
27 11 19 00-0015 EA 12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-LEGRAND OR-PMP61289) .....	285.52	52.15
27 11 19 00-0016 EA 12 Port, Category 6 Patch Panel With Rear Cable Management Bar .....	388.59	52.15
27 11 19 00-0017 EA 24 Port, Category 6 Patch Panel With Rear Cable Management Bar .....	472.15	52.15
27 11 19 00-0018 EA 48 Port, Category 6 Patch Panel With Rear Cable Management Bar .....	792.27	52.15
27 11 19 00-0019 EA 96 Port, Category 6 Patch Panel With Rear Cable Management Bar .....	1,435.39	78.23
27 11 19 00-0020 EA Terminate One End Of A 4 Pair Cable To Category "X" Specifications .....	36.95	
<i>For &gt;5 To 10 Cables, Deduct</i>	-6.65	
<i>For &gt;10 Cables, Deduct</i>	-14.78	
27 11 19 00-0021 EA Terminate One End Of A Twisted Pair Of Wires .....	10.16	
<i>Note: Per each pair</i>		
<i>For &gt;20 To 40 Pairs, Deduct</i>	-1.63	
<i>For &gt;40 Pairs, Deduct</i>	-3.86	

#### 27 11 19 00-0022 Fiber Optic Cable Patch Panels And Enclosures <sup>(27 11 19 00-0001)</sup>

#### 27 11 19 00-0023 Fiber Optic Cable Connector Housings <sup>(27 11 19 00-0022)</sup>

#### 27 11 19 00-0024 Wall Mount, Fiber Optic Cable Connector Housings <sup>(27 11 19 00-0023)</sup>

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.

27 11 19 00-0025 EA 1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing .....	149.71	23.47
27 11 19 00-0026 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing .....	229.69	23.47
27 11 19 00-0027 EA 4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing .....	348.03	23.47
27 11 19 00-0028 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing .....	511.10	39.12
27 11 19 00-0029 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing .....	721.78	39.12

#### 27 11 19 00-0030 Rack Mount, Fiber Optic Cable Connector Housings <sup>(27 11 19 00-0023)</sup>

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.

27 11 19 00-0031 EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing .....	532.71	39.12
27 11 19 00-0032 EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing .....	613.02	39.12
27 11 19 00-0033 EA 6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing .....	662.16	39.12
27 11 19 00-0034 EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing .....	780.88	39.12

#### 27 11 19 00-0035 Rack Mount, Fiber Optic Cable Pretium® Connector Housings <sup>(27 11 19 00-0023)</sup>

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.

27 11 19 00-0036 EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing .....	670.37	39.12
<i>For Splice Tray Bracket, Add</i>	74.36	
27 11 19 00-0037 EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing .....	789.85	39.12
<i>For Splice Tray Bracket, Add</i>	81.32	
27 11 19 00-0038 EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing .....	991.22	39.12
<i>For Splice Tray Bracket, Add</i>	296.27	

#### 27 11 19 00-0039 Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings <sup>(27 11 19 00-0023)</sup>

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.

27 11 19 00-0040 EA 8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing .....	858.39	39.12
27 11 19 00-0041 EA 12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing .....	1,104.94	39.12
27 11 19 00-0042 EA 24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing .....	1,254.40	39.12



<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Equipment Room Fittings</b>	<b>27 11</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0043 EA 48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	1,635.58	39.12
<b>27 11 19 00-0044 Wall Mount, Fiber Optic Cable Industrial Connector Housings</b> <small>(27 11 19 00-0023)</small>		
<small>Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.</small>		
27 11 19 00-0045 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	773.66	23.47
27 11 19 00-0046 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	1,065.68	39.12
27 11 19 00-0047 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	1,119.63	39.12
<b>27 11 19 00-0048 Wall Mount, Fiber Optic Cable Environmental Connector Housings</b> <small>(27 11 19 00-0023)</small>		
<small>Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.</small>		
27 11 19 00-0049 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing .....	810.94	23.47
27 11 19 00-0050 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing .....	1,065.03	39.12
27 11 19 00-0051 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing .....	1,255.88	39.12
<b>27 11 19 00-0052 Fiber Optic Cable Connector Panels</b> <small>(27 11 19 00-0022)</small>		
<b>27 11 19 00-0053 SC Simplex, Fiber Optic Cable Connector Panels</b> <small>(27 11 19 00-0052)</small>		
27 11 19 00-0054 EA 6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	105.14	5.21
27 11 19 00-0055 EA 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel .....	114.40	5.21
27 11 19 00-0056 EA 8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	128.77	5.21
27 11 19 00-0057 EA 8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	141.11	5.21
27 11 19 00-0058 EA 12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	176.07	5.21
27 11 19 00-0059 EA 12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel .....	194.53	5.21
<b>27 11 19 00-0060 SC Duplex, Fiber Optic Cable Connector Panels</b> <small>(27 11 19 00-0052)</small>		
27 11 19 00-0061 EA 6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel .....	101.05	5.21
27 11 19 00-0062 EA 6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel .....	103.22	5.21
27 11 19 00-0063 EA 8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel .....	123.35	5.21
27 11 19 00-0064 EA 8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel .....	126.24	5.21
27 11 19 00-0065 EA 12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel .....	167.93	5.21
27 11 19 00-0066 EA 12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	172.23	5.21
<b>27 11 19 00-0067 LC Duplex, Fiber Optic Cable Connector Panels</b> <small>(27 11 19 00-0052)</small>		
27 11 19 00-0068 EA 6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	109.40	5.21
27 11 19 00-0069 EA 6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	120.31	5.21
27 11 19 00-0070 EA 8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	134.44	5.21
27 11 19 00-0071 EA 8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	149.00	5.21
27 11 19 00-0072 EA 12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	184.59	5.21
27 11 19 00-0073 EA 12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	206.39	5.21
27 11 19 00-0074 EA 16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	234.72	5.21
27 11 19 00-0075 EA 16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	263.77	5.21
27 11 19 00-0076 EA 24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	334.96	5.21
27 11 19 00-0077 EA 24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	345.08	5.21
<b>27 11 19 00-0078 ST Simplex, Fiber Optic Cable Connector Panels</b> <small>(27 11 19 00-0052)</small>		
27 11 19 00-0079 EA 6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel .....	86.80	5.21
27 11 19 00-0080 EA 6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel .....	93.81	5.21
27 11 19 00-0081 EA 8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel .....	104.34	5.21
27 11 19 00-0082 EA 8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel .....	113.68	5.21
27 11 19 00-0083 EA 12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel .....	139.38	5.21
27 11 19 00-0084 EA 12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	153.41	5.21
<b>27 11 19 00-0085 MT-RJ, Fiber Optic Cable Connector Panels</b> <small>(27 11 19 00-0052)</small>		
27 11 19 00-0086 EA 12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel.....	108.75	5.21
27 11 19 00-0087 EA 12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel .....	164.45	5.21
<b>27 11 19 00-0088 Fiber Optic Cable Pretium Edge® Modules</b> <small>(27 11 19 00-0052)</small>		
27 11 19 00-0089 EA 12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module .....	963.55	5.21
27 11 19 00-0090 EA 12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	966.91	5.21
<b>27 11 19 00-0091 Fiber Optic Cable Splice Housings</b> <small>(27 11 19 00-0022)</small>		
<b>27 11 19 00-0092 Wall Mount, Fiber Optic Cable Splice Housings</b> <small>(27 11 19 00-0091)</small>		
<small>Note: Includes mounting hardware. Excludes splice trays.</small>		
27 11 19 00-0093 EA 12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door.....	352.60	52.15
<b>27 11 19 00-0094 Rack Mount, Fiber Optic Cable Splice Housings</b> <small>(27 11 19 00-0091)</small>		
<small>Note: Includes mounting hardware. Excludes splice trays.</small>		
27 11 19 00-0095 EA 12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing .....	553.85	39.12

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 11</b>	<b>Communications Equipment Room Fittings</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0096 EA 22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing .....	562.58	39.12
<b>27 11 19 00-0097 Fiber Optic Cable Splice Trays (27 11 19 00-0091)</b>		
27 11 19 00-0098 EA Fiber Optic Cable Splice Tray .....	102.06	13.04
<b>27 11 19 00-0099 Fiber Optic Cable Jumper Management Panels (27 11 19 00-0022)</b>		
Note: Includes mounting hardware.		
27 11 19 00-0100 EA Rack Mount, Fiber Optic Cable Jumper Management Panel .....	189.24	39.12
<b>27 11 19 00-0101 Miscellaneous Accessories (27 11 19 00-0001)</b>		
27 11 19 00-0102 EA Wall Mount Bracket For 12 Or 24 Port Patch Panel .....	71.11	
27 11 19 00-0103 EA Wall Mount Bracket For 32 Or 48 Port Patch Panel .....	95.85	
27 11 19 00-0104 EA Wall Mount Bracket For 64 Or 72 Port Patch Panel .....	103.88	
27 11 19 00-0105 EA Wall Mount Bracket For 96 Port Patch Panel .....	115.43	
27 11 19 00-0106 EA Lightning Protection Plus Stainless Steel Modules, Siemon .....	481.69	52.15
<b>27 11 19 00-0107 Telephone Components (27 11 19)</b>		
<b>27 11 19 00-0108 Terminal Blocks With Wide Range Of 22-8 AWG (27 11 19 00-0107)</b>		
27 11 19 00-0109 EA Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG .....	31.74	10.45
27 11 19 00-0110 EA Terminal Block, Fuse Holder 600 Volt, 6.3 Amperes With Wire Range 22-8 AWG .....	62.70	10.45
27 11 19 00-0111 EA Terminal Block, Fuse Holder 600 Volt, 10 Amperes With Wire Range 22-8 AWG .....	50.03	10.45
27 11 19 00-0112 EA Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG .....	24.10	10.45
27 11 19 00-0113 EA Flat Terminal Block Connection With Wire Range 22-8 AWG .....	17.06	7.31
27 11 19 00-0114 EA Ground Terminal Block With Wire Range 22-8 AWG .....	33.08	10.45
27 11 19 00-0115 EA Terminal Block, Solderless Box With Lug 600 Volt, 60 Amperes With Wire Range 22-8 AWG .....	24.10	10.45
27 11 19 00-0116 EA Terminal Block, Mini Box Lug 300 Volt, 30 Amperes With Wire Range 22-8 AWG .....	16.86	7.31
27 11 19 00-0117 EA Flat Terminal Block Connection 300 Volt, 20 Amperes With Wire Range 22-8 AWG .....	16.72	7.31
27 11 19 00-0118 EA Self Lifting Terminal Block, 300 Volt, 40 Amperes, Wire Connection With Wire Range 22-12 AWG .....	17.34	7.31
<b>27 11 19 00-0119 Terminal Block Mounting Channel (27 11 19 00-0107)</b>		
27 11 19 00-0120 EA Terminal Block Mounting Channel, .5 M Galvanized Steel .....	16.85	5.22
27 11 19 00-0121 EA Terminal Block Mounting Channel, 1 M Galvanized Steel .....	22.02	5.22
27 11 19 00-0122 EA Terminal Block Mounting Channel, 2 M Galvanized Steel .....	31.14	5.22
27 11 19 00-0123 EA Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc .....	21.74	6.27
27 11 19 00-0124 EA Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc .....	30.36	6.27
27 11 19 00-0125 EA Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc .....	44.65	6.27
<b>27 11 19 00-0126 Outlet Termination Hardware (27 11 19 00-0107)</b>		
27 11 19 00-0127 EA Telephone Outlet Blocks .....	33.63	5.22
27 11 19 00-0128 EA Phone Outlet Block For Floor Box .....	88.49	39.64
Note: Excludes box.		
27 11 19 00-0129 EA Fiber Optic "SC" Type Modular Bulkhead .....	80.51	23.47
27 11 19 00-0130 EA Fiber Optic "ST" Type Modular Bulkhead .....	80.51	23.47
27 11 19 00-0131 EA Type "F" Coaxial Connector Male .....	46.67	15.65
27 11 19 00-0132 EA Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector .....	123.48	26.08
27 11 19 00-0133 EA Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector .....	123.48	26.08
27 11 19 00-0134 EA Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector .....	150.06	26.08
27 11 19 00-0135 EA Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector .....	150.06	26.08
27 11 19 00-0136 EA Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector .....	136.07	26.08
27 11 19 00-0137 EA Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5 .....	1,200.66	130.38
27 11 19 00-0138 EA Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V .....	57.42	10.43
Note: Excludes cable terminations.		
27 11 19 00-0139 EA 5-Pair, Connecting Block .....	3.39	1.04
27 11 19 00-0140 EA 4-Pair, Connecting Block .....	3.69	1.04
27 11 19 00-0141 EA Plastic Label Holder, Transparent .....	13.68	2.61
27 11 19 00-0142 EA Marked Label, White, 5-Pair .....	3.65	
27 11 19 00-0143 EA Marked Label, Blue, 4-Pair .....	3.65	
<b>27 11 19 00-0144 Terminations in Manhole or Junction Box (27 11 19 00-0107)</b>		
27 11 19 00-0145 EA 25 Pair Cable Termination In Manhole Or Junction Box .....	166.90	
27 11 19 00-0146 EA 50 Pair Cable Termination In Manhole Or Junction Box .....	333.80	
27 11 19 00-0147 EA 100 Pair Cable Termination In Manhole Or Junction Box .....	667.59	
27 11 19 00-0148 EA 150 Pair Cable Termination In Manhole Or Junction Box .....	1,001.38	
27 11 19 00-0149 EA 200 Pair Cable Termination In Manhole Or Junction Box .....	1,171.42	
27 11 19 00-0150 EA 300 Pair Cable Termination In Manhole Or Junction Box .....	1,756.60	
27 11 19 00-0151 EA 400 Pair Cable Termination In Manhole Or Junction Box .....	2,209.30	
27 11 19 00-0152 EA 500 Pair Cable Termination In Manhole Or Junction Box .....	2,762.15	
27 11 19 00-0153 EA 750 Pair Cable Termination In Manhole Or Junction Box .....	4,143.21	
27 11 19 00-0154 EA 1,000 Pair Cable Termination In Manhole Or Junction Box .....	5,024.62	
27 11 19 00-0155 EA 1,200 Pair Cable Termination In Manhole Or Junction Box .....	5,726.72	



<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Equipment Room Fittings</b>	<b>27 11</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**27 11 23 Communications Cable Management and Ladder Rack (27 11)**

<b>27 11 23 00-001 Equipment Supports (27 11 23)</b>		
27 11 23 00-002 EA 110 Jumper Trough (Commscope 107831133) .....	31.47	5.21
27 11 23 00-003 LF Velcro CMP .....	2.56	1.04
27 11 23 00-004 EA 12" x 5'-11" Tubular Runway .....	110.99	25.03
27 11 23 00-005 EA 12" x 9'-11" Tubular Runway .....	191.24	41.73
27 11 23 00-006 EA Shelf Bracket Support For Tubular Runway.....	35.08	7.82
27 11 23 00-007 EA Straight Clamp Hardware For Tubular Runway .....	14.45	5.21
27 11 23 00-008 EA Corner Clamp Hardware For Tubular Runway.....	15.44	5.21
27 11 23 00-009 EA 90 Degree Edge Clamp Hardware For Tubular Runway .....	36.22	9.38
27 11 23 00-010 EA Wall Angle Assembly Hardware For 12" Wide Tubular Runway .....	78.40	15.65
27 11 23 00-011 EA J-Bolt Hardware For Tubular Runway.....	6.91	2.30
27 11 23 00-012 EA T Bracket Hardware For Tubular Runway.....	39.54	13.04

**27 13 Communications Backbone Cabling (27 10)**

**27 13 13 Communications Copper Backbone Cabling (27 13)**

**27 13 13 13 Communications Copper Cable Splicing and Terminations (27 13 13)**

<b>27 13 13 13-0001 Building Entrance Terminals (27 13 13 13)</b>		
27 13 13 13-0002 EA 25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,631.07	228.69
27 13 13 13-0003 EA 50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,237.11	381.16
27 13 13 13-0004 EA 100 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	3,227.53	610.34

**27 13 13 13-0005 Modular Plugs For Copper Communications Cable (27 13 13 13)**

27 13 13 13-0006 EA Modular Plug For Non-Shielded Copper Communications Cable .....	25.05	
Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.		
For >5 To 10, Deduct	-3.12	
For >10, Deduct	-6.24	
27 13 13 13-0007 EA Modular Plug For Shielded Copper Communications Cable.....	28.55	
Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.		
For >5 To 10, Deduct	-3.51	
For >10, Deduct	-7.02	

**27 13 13 13-0008 Testing And Certification Of Copper Communications Cable (27 13 13 13)**

Note: Use for existing systems.		
27 13 13 13-0009 EA Test 1-Pair Of A Copper Communications Cable For Continuity .....	5.21	
For >25-Pair, Deduct	-2.08	
27 13 13 13-0010 EA Certify 1-Pair Of A Copper Communications Cable .....	7.82	
For >25-Pair, Deduct	-3.12	
27 13 13 13-0011 EA Certify And Document 1-Pair Of A Copper Communications Cable .....	12.52	
For >25-Pair, Deduct	-5.00	
27 13 13 13-0012 EA Test 4-Pair Category 5-7 Telecommunications Cable For Continuity .....	20.86	
For >25-Pair, Deduct	-8.32	
27 13 13 13-0013 EA Certify 4-Pair Category 5-7 Telecommunications Cable .....	31.29	
For >25-Pair, Deduct	-12.48	
27 13 13 13-0014 EA Certify And Document 4-Pair Category 5-7 Telecommunications Cable .....	50.07	
For >25-Pair, Deduct	-19.98	

**27 13 13 13-0015 Communications Termination Blocks (27 13 13 13)**

27 13 13 13-0016 EA 100-Pair, 110 Block With Legs.....	54.92	13.04
27 13 13 13-0017 EA 300-Pair, 110 Block With Legs.....	96.85	13.04
27 13 13 13-0018 EA Clear Label Holder For 110 Wiring Block.....	11.25	5.21
27 13 13 13-0019 EA 4-Pair, 110C Connecting Block.....	6.48	2.61
27 13 13 13-0020 EA 5-Pair, 110C Connecting Block.....	6.63	2.61
27 13 13 13-0021 EA 100-Pair, 110 Jack Panel System.....	320.26	15.65
Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 13 13 13-0022 EA 300-Pair, 110 Jack Panel System.....	608.25	15.65
Note: Includes twelve 8-pin modular jacks and mounting legs.		

**27 13 23 Communications Optical Fiber Backbone Cabling (27 13)**

**27 13 23 13 Communications Optical Fiber Splicing and Terminations (27 13 23)**

<b>27 13 23 13-0001 Fiber Optic Cable Connectors (27 13 23 13)</b>		
27 13 23 13-0002 EA ST Connector For Multimode Fiber Optic Cable .....	30.85	
27 13 23 13-0003 EA ST Connector For Singlemode Fiber Optic Cable.....	35.82	
27 13 23 13-0004 EA SC Connector For Multimode Fiber Optic Cable.....	34.53	
27 13 23 13-0005 EA SC Connector For Singlemode Fiber Optic Cable .....	40.87	
27 13 23 13-0006 EA LC Connector For Multimode Fiber Optic Cable .....	47.38	
27 13 23 13-0007 EA LC Connector For Singlemode Fiber Optic Cable.....	48.86	
27 13 23 13-0008 EA Duplex LC Connector For Multimode Fiber Optic Cable.....	68.68	
27 13 23 13-0009 EA Duplex LC Connector For Singlemode Fiber Optic Cable .....	71.63	
27 13 23 13-0010 EA MT-RJ Connector For Multimode Fiber Optic Cable.....	71.75	

<b>27</b>	<b>27</b>	<b>Communications</b>
	<b>27 10</b>	<b>Structured Cabling</b>
	<b>27 13</b>	<b>Communications Backbone Cabling</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 13 23 13-0011	Fiber Optic Cable Fan Out Kits <small>(27 13 23 13)</small>		
27 13 23 13-0012	Buffer Tube Fan Out Kits For Fiber Optic Cable <small>(27 13 23 13-0011)</small>		
27 13 23 13-0013	EA 6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	231.59	
27 13 23 13-0014	EA 12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	235.97	
27 13 23 13-0015	EA 6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	273.01	
27 13 23 13-0016	EA 12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	300.78	
27 13 23 13-0017	Spider Fan Out Kits For Fiber Optic Cable <small>(27 13 23 13-0011)</small>		
	Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 13 23 13-0018	EA 6-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	285.61	
27 13 23 13-0019	EA 12-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	315.04	
27 13 23 13-0020	EA 18-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	457.82	
27 13 23 13-0021	EA 24-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	591.56	
27 13 23 13-0022	Fiber Optic Cable Splice Closures <small>(27 13 23 13)</small>		
	Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 13 23 13-0023	EA Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	892.43	104.31
27 13 23 13-0024	EA Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	1,101.04	208.63
27 13 23 13-0025	EA Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	1,101.04	208.63
27 13 23 13-0026	EA Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	1,511.15	104.31
27 13 23 13-0027	EA Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	1,719.76	208.63
27 13 23 13-0028	EA Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	1,719.76	208.63
27 13 23 13-0029	EA Splice Tray For Fiber Optic Cable Splice Closure.....	60.55	13.04
	Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		
27 13 23 13-0030	Fiber Optic Cable Testing <small>(27 13 23 13)</small>		
	Note: Price based on testing one wavelength.		
27 13 23 13-0031	Fiber Optic Cable Testing Using An OTDR <small>(27 13 23 13-0030)</small>		
	Note: Testing using an optical time domain reflectometer.		
27 13 23 13-0032	EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test.....	20.86	
	For >12 To 48 Strands, Deduct	-1.56	
	For >48 Strands, Deduct	-2.09	
27 13 23 13-0033	EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test.....	31.29	
	For >12 To 48 Strands, Deduct	-2.35	
	For >48 Strands, Deduct	-3.13	
27 13 23 13-0034	EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation.....	52.15	
	For >12 To 48 Strands, Deduct	-3.91	
	For >48 Strands, Deduct	-5.22	
27 13 23 13-0035	EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation.....	78.23	
	For >12 To 48 Strands, Deduct	-5.87	
	For >48 Strands, Deduct	-7.82	
27 13 23 13-0036	Fiber Optic Cable Testing Using A Power Meter <small>(27 13 23 13-0030)</small>		
27 13 23 13-0037	EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test.....	20.86	
	For >12 To 48 Strands, Deduct	-1.56	
	For >48 Strands, Deduct	-2.09	
27 13 23 13-0038	EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test.....	31.29	
	For >12 To 48 Strands, Deduct	-2.35	
	For >48 Strands, Deduct	-3.13	
27 13 23 13-0039	Fiber Optic Cable Light Source/Continuity Testing <small>(27 13 23 13-0030)</small>		
27 13 23 13-0040	EA Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test.....	20.86	
	For >12 To 48 Strands, Deduct	-1.56	
	For >48 Strands, Deduct	-2.09	
27 13 23 13-0041	Fiber Optic Cable Splicing <small>(27 13 23 13)</small>		
27 13 23 13-0042	EA Single Strand, Fusion Splice Of Fiber Optic Cable.....	31.29	
27 13 23 13-0043	EA 12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable.....	104.31	
27 13 23 13-0044	Other Fiber Optic Cable Splicing <small>(27 13 23 13)</small>		
27 13 23 13-0045	EA Fiber Optic Finger Splice.....	36.03	19.61
27 13 23 13-0046	EA Fiber Optic Splice Box - Manholes.....	5,603.18	

## 27 15 Communications Horizontal Cabling (27 10)

### 27 15 01 Communications Horizontal Cabling Applications (27 15)



<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 15 01 13 Video Surveillance Communications Conductors and Cables</b> <small>(27 15 01)</small> Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.		
<b>27 15 01 15 Access Control Communications Conductors and Cables</b> <small>(27 15 01)</small> Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.		
<b>27 15 01 16 Voice Communications Horizontal Cabling</b> <small>(27 15 01)</small> Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.		
<b>27 15 01 17 Intrusion Detection Communications Conductors and Cables</b> <small>(27 15 01)</small> Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables, 27 15 01 19-0000 for Type FPLP Cable.		
<b>27 15 01 19 Fire Alarm Communications Conductors and Cables</b> <small>(27 15 01)</small> Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 01 19-0001 Fire Alarm/Life Safety Cable <small>(27 15 01 19)</small>		
27 15 01 19-0002 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable <small>(27 15 01 19-0001)</small>		
27 15 01 19-0003 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <small>(27 15 01 19-0002)</small>		
27 15 01 19-0004 MLF 1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,760.78	709.73
27 15 01 19-0005 MLF 2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	2,186.73	735.39
27 15 01 19-0006 MLF 1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	2,008.25	806.74
27 15 01 19-0007 MLF 2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	2,689.44	835.54
27 15 01 19-0008 MLF 1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	2,311.51	903.13
27 15 01 19-0009 MLF 2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	3,283.26	935.67
27 15 01 19-0010 MLF 1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	2,983.41	1,032.68
27 15 01 19-0011 MLF 2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	4,495.65	1,069.50
<b>27 15 01 19-0012 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed</b> <small>(27 15 01 19-0002)</small>		
27 15 01 19-0013 MLF 1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	2,943.67	1,419.68
27 15 01 19-0014 MLF 2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	3,412.39	1,470.79
27 15 01 19-0015 MLF 1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	3,352.82	1,613.69
27 15 01 19-0016 MLF 2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	4,081.98	1,671.06
27 15 01 19-0017 MLF 1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	3,816.72	1,806.67
27 15 01 19-0018 MLF 2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	4,842.70	1,871.35
27 15 01 19-0019 MLF 1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	4,704.55	2,065.36
27 15 01 19-0020 MLF 2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	6,278.33	2,139.43
<b>27 15 01 19-0021 Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit</b> <small>(27 15 01 19-0001)</small>		
27 15 01 19-0022 MLF 2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,093.71	580.80
27 15 01 19-0023 MLF 4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,187.53	601.45
27 15 01 19-0024 MLF 2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,329.99	709.73
27 15 01 19-0025 MLF 3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,424.60	722.57
27 15 01 19-0026 MLF 4 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,481.18	735.39

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0027 MLF 6 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,666.38	761.05
27 15 01 19-0028 MLF 8 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,934.12	786.71
27 15 01 19-0029 MLF 2 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,555.50	806.74
27 15 01 19-0030 MLF 4 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,762.25	835.54
27 15 01 19-0031 MLF 2 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,807.51	903.13
27 15 01 19-0032 MLF 4 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,132.69	935.67
27 15 01 19-0033 MLF 2 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,218.40	1,032.68
27 15 01 19-0034 MLF 4 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,745.62	1,069.50
<b>27 15 01 19-0035 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable</b> <small>(27 15 01 19-0001)</small>		
<b>27 15 01 19-0036 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit</b> <small>(27 15 01 19-0035)</small>		
27 15 01 19-0037 MLF 2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,083.82	580.80
27 15 01 19-0038 MLF 2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,323.56	709.73
27 15 01 19-0039 MLF 3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,486.72	722.57
27 15 01 19-0040 MLF 4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,498.38	735.39
27 15 01 19-0041 MLF 6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,756.15	761.05
27 15 01 19-0042 MLF 2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,545.79	806.74
27 15 01 19-0043 MLF 4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,784.04	835.54
27 15 01 19-0044 MLF 2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,763.79	903.13
27 15 01 19-0045 MLF 4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,306.42	935.67
27 15 01 19-0046 MLF 2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,204.11	1,032.68
27 15 01 19-0047 MLF 4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,009.36	1,069.50
<b>27 15 01 19-0048 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed</b> <small>(27 15 01 19-0035)</small>		
27 15 01 19-0049 MLF 2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,051.82	1,162.02
27 15 01 19-0050 MLF 2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,506.45	1,419.68
27 15 01 19-0051 MLF 3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,690.48	1,444.71
27 15 01 19-0052 MLF 4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,724.04	1,470.79
27 15 01 19-0053 MLF 6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,024.57	1,521.90
27 15 01 19-0054 MLF 2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,890.36	1,613.69
27 15 01 19-0055 MLF 4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,176.58	1,671.06
27 15 01 19-0056 MLF 2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,269.00	1,806.67
27 15 01 19-0057 MLF 4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,865.86	1,871.35
27 15 01 19-0058 MLF 2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,925.25	2,065.36
27 15 01 19-0059 MLF 4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,792.04	2,139.43
<b>27 15 01 19-0060 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable</b> <small>(27 15 01 19-0001)</small>		
<b>27 15 01 19-0061 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit</b> <small>(27 15 01 19-0060)</small>		
27 15 01 19-0062 MLF 2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,124.54	580.80
27 15 01 19-0063 MLF 2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,352.64	709.73





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0064 MLF 3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,594.67	722.57
27 15 01 19-0065 MLF 4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,528.14	735.39
27 15 01 19-0066 MLF 6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,786.58	761.05
27 15 01 19-0067 MLF 2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,612.63	806.74
27 15 01 19-0068 MLF 4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,814.95	835.54
27 15 01 19-0069 MLF 2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,907.95	903.13
27 15 01 19-0070 MLF 4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,234.14	935.67
27 15 01 19-0071 MLF 2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,310.79	1,032.68
27 15 01 19-0072 MLF 4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,789.90	1,069.50
<b>27 15 01 19-0073 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed</b> <small>(27 15 01 19-0060)</small>		
27 15 01 19-0074 MLF 2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,092.54	1,162.02
27 15 01 19-0075 MLF 2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,535.53	1,419.68
27 15 01 19-0076 MLF 3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,798.43	1,444.71
27 15 01 19-0077 MLF 4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,753.80	1,470.79
27 15 01 19-0078 MLF 6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,055.00	1,521.90
27 15 01 19-0079 MLF 2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,957.20	1,613.69
27 15 01 19-0080 MLF 4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,207.49	1,671.06
27 15 01 19-0081 MLF 2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,413.16	1,806.67
27 15 01 19-0082 MLF 4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,793.58	1,871.35
27 15 01 19-0083 MLF 2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,031.93	2,065.36
27 15 01 19-0084 MLF 4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,572.58	2,139.43
<b>27 15 01 19-0085 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable</b> <small>(27 15 01 19-0001)</small>		
<b>27 15 01 19-0086 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit</b> <small>(27 15 01 19-0085)</small>		
27 15 01 19-0087 MLF 2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,097.27	580.80
27 15 01 19-0088 MLF 2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,387.32	709.73
27 15 01 19-0089 MLF 3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,509.79	722.57
27 15 01 19-0090 MLF 4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,612.36	735.39
27 15 01 19-0091 MLF 6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,837.41	761.05
27 15 01 19-0092 MLF 2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,603.82	806.74
27 15 01 19-0093 MLF 4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,913.25	835.54
27 15 01 19-0094 MLF 2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,889.91	903.13
27 15 01 19-0095 MLF 4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,451.42	935.67
27 15 01 19-0096 MLF 2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,288.11	1,032.68
<b>27 15 01 19-0097 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed</b> <small>(27 15 01 19-0085)</small>		
27 15 01 19-0098 MLF 2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,065.27	1,162.02
27 15 01 19-0099 MLF 2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,570.21	1,419.68
27 15 01 19-0100 MLF 3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,713.55	1,444.71
27 15 01 19-0101 MLF 4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,838.02	1,470.79

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0102 MLF 6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	3,105.83	1,521.90
27 15 01 19-0103 MLF 2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	2,948.39	1,613.69
27 15 01 19-0104 MLF 4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	3,305.79	1,671.06
27 15 01 19-0105 MLF 2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	3,395.12	1,806.67
27 15 01 19-0106 MLF 4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	4,010.86	1,871.35
27 15 01 19-0107 MLF 2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	4,009.25	2,065.36
<b>27 15 13 Communications Copper Horizontal Cabling (27 15)</b>		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 13 00-0001 Solid Conductor Low Voltage Cable (27 15 13)		
27 15 13 00-0002 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0001)		
27 15 13 00-0003 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)		
27 15 13 00-0004 MLF 1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,056.93	943.37
For #10 AWG, Add .....	474.37	
For Work In Restricted Working Space, Add .....	471.73	
27 15 13 00-0005 MLF 2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,522.44	976.73
For #10 AWG, Add .....	620.72	
For Work In Restricted Working Space, Add .....	488.51	
27 15 13 00-0006 MLF 3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,930.21	1,011.03
For #10 AWG, Add .....	747.97	
For Work In Restricted Working Space, Add .....	505.37	
27 15 13 00-0007 MLF 4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,362.05	1,045.33
For #10 AWG, Add .....	882.92	
For Work In Restricted Working Space, Add .....	522.83	
27 15 13 00-0008 MLF 5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,831.14	1,115.85
For #10 AWG, Add .....	1,022.44	
For Work In Restricted Working Space, Add .....	558.09	
27 15 13 00-0009 MLF 6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	4,258.79	1,185.42
For #10 AWG, Add .....	1,148.49	
For Work In Restricted Working Space, Add .....	592.86	
27 15 13 00-0010 MLF 8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	4,614.01	1,326.44
For #10 AWG, Add .....	1,235.28	
For Work In Restricted Working Space, Add .....	663.10	
27 15 13 00-0011 MLF 12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	6,118.66	1,748.58
For #10 AWG, Add .....	1,640.37	
For Work In Restricted Working Space, Add .....	874.12	
27 15 13 00-0012 MLF 24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	9,110.23	2,582.38
For #10 AWG, Add .....	2,447.00	
For Work In Restricted Working Space, Add .....	1,290.86	
27 15 13 00-0013 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)		
27 15 13 00-0014 MLF 1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,837.98	825.22
For Work In Restricted Working Space, Add .....	412.52	
27 15 13 00-0015 MLF 2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,278.85	854.75
For Work In Restricted Working Space, Add .....	427.38	
27 15 13 00-0016 MLF 3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,664.31	884.30
For Work In Restricted Working Space, Add .....	442.25	
27 15 13 00-0017 MLF 4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,071.84	914.79
For Work In Restricted Working Space, Add .....	457.40	
27 15 13 00-0018 MLF 5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,510.64	976.73
For Work In Restricted Working Space, Add .....	488.27	
27 15 13 00-0019 MLF 6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,909.50	1,037.71
For Work In Restricted Working Space, Add .....	518.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0020 MLF 8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,231.04	1,160.65
<i>For Work In Restricted Working Space, Add</i>	580.32	
27 15 13 00-0021 MLF 12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,611.21	1,529.41
<i>For Work In Restricted Working Space, Add</i>	764.71	
27 15 13 00-0022 MLF 24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,359.17	2,259.34
<i>For Work In Restricted Working Space, Add</i>	1,129.76	
 <b>27 15 13 00-0023 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)</b>		
27 15 13 00-0024 MLF 1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,635.94	736.59
<i>For Work In Restricted Working Space, Add</i>	368.49	
27 15 13 00-0025 MLF 2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,926.27	763.28
<i>For Work In Restricted Working Space, Add</i>	381.64	
27 15 13 00-0026 MLF 3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,364.01	789.96
<i>For Work In Restricted Working Space, Add</i>	394.79	
27 15 13 00-0027 MLF 4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,724.17	816.64
<i>For Work In Restricted Working Space, Add</i>	408.51	
27 15 13 00-0028 MLF 5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,111.42	871.91
<i>For Work In Restricted Working Space, Add</i>	435.95	
27 15 13 00-0029 MLF 6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,464.25	926.22
<i>For Work In Restricted Working Space, Add</i>	463.12	
27 15 13 00-0030 MLF 7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,606.67	981.50
<i>For Work In Restricted Working Space, Add</i>	490.56	
27 15 13 00-0031 MLF 8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,750.04	1,036.76
<i>For Work In Restricted Working Space, Add</i>	518.29	
27 15 13 00-0032 MLF 9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,196.70	1,102.51
<i>For Work In Restricted Working Space, Add</i>	551.16	
27 15 13 00-0033 MLF 12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,972.59	1,365.52
<i>For Work In Restricted Working Space, Add</i>	682.81	
27 15 13 00-0034 MLF 24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,407.18	2,017.30
<i>For Work In Restricted Working Space, Add</i>	1,008.70	
 <b>27 15 13 00-0035 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)</b>		
27 15 13 00-0036 MLF 1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,368.44	648.93
<i>For Work In Restricted Working Space, Add</i>	324.18	
27 15 13 00-0037 MLF 2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,650.82	671.80
<i>For Work In Restricted Working Space, Add</i>	335.90	
27 15 13 00-0038 MLF 3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,898.75	694.67
<i>For Work In Restricted Working Space, Add</i>	347.62	
27 15 13 00-0039 MLF 4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,159.83	718.49
<i>For Work In Restricted Working Space, Add</i>	359.34	
27 15 13 00-0040 MLF 5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,449.67	767.09
<i>For Work In Restricted Working Space, Add</i>	383.64	
27 15 13 00-0041 MLF 6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,714.92	814.73
<i>For Work In Restricted Working Space, Add</i>	407.66	
27 15 13 00-0042 MLF 8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,947.91	911.93
<i>For Work In Restricted Working Space, Add</i>	455.97	
27 15 13 00-0043 MLF 12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,907.03	1,201.62
<i>For Work In Restricted Working Space, Add</i>	600.90	
27 15 13 00-0044 MLF 24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,814.80	1,775.27
<i>For Work In Restricted Working Space, Add</i>	887.63	
 <b>27 15 13 00-0045 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)</b>		
27 15 13 00-0046 MLF 1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,203.65	589.85
<i>For Work In Restricted Working Space, Add</i>	294.74	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0047 MLF 2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,427.10 305.31	610.81
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0048 MLF 3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,621.65 315.89	632.26
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0049 MLF 4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,826.43 326.75	653.69
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0050 MLF 5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,061.86 348.62	697.53
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0051 MLF 6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,277.07 370.49	741.36
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0052 MLF 8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,495.09 414.52	829.03
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0053 MLF 12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,284.21 546.30	1,092.99
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0054 MLF 24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,884.86 807.02	1,614.22
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0055 MLF 25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,196.40 826.17	1,652.34
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0056 MLF 36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,199.46 961.96	1,923.92
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0057 MLF 40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,652.33 1,029.71	2,059.23
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0058 MLF 50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,935.57 1,286.71	2,573.81
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0059 MLF 100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	10,807.11 1,694.07	3,388.54
<i>For Work In Restricted Working Space, Add</i>		
<b>27 15 13 00-0060 #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)</b>		
27 15 13 00-0061 MLF 1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,000.02 265.29	530.77
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0062 MLF 2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,074.09 274.72	549.82
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0063 MLF 3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,165.37 284.44	568.89
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0064 MLF 4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,264.75 294.16	587.95
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0065 MLF 5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,410.89 313.89	627.96
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0066 MLF 6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,558.95 332.75	665.13
<i>For Work In Restricted Working Space, Add</i>		
<b>27 15 13 00-0067 Triad (27 15 13 00-0002)</b>		
27 15 13 00-0068 MLF 1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit.....	2,338.61	789.96
27 15 13 00-0069 MLF 4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	3,050.77	1,092.99
27 15 13 00-0070 MLF 8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	4,761.23	1,614.22
27 15 13 00-0071 MLF 12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	5,924.97	1,923.92
27 15 13 00-0072 MLF 24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	9,692.39	2,980.70
27 15 13 00-0073 MLF 36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	11,148.48	3,388.54
<b>27 15 13 00-0074 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0001)</b>		
<b>27 15 13 00-0075 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)</b>		
27 15 13 00-0076 MLF 1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,629.36 788.86	1,886.76
<i>For #10 AWG, Add</i>		
<i>For Work In Restricted Working Space, Add</i>	943.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0077 MLF 2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	4,150.80	1,953.46
For #10 AWG, Add	946.39	
For Work In Restricted Working Space, Add	977.02	
27 15 13 00-0078 MLF 3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	4,614.78	2,022.07
For #10 AWG, Add	1,084.89	
For Work In Restricted Working Space, Add	1,010.75	
27 15 13 00-0079 MLF 4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	5,104.83	2,090.68
For #10 AWG, Add	1,231.48	
For Work In Restricted Working Space, Add	1,045.66	
27 15 13 00-0080 MLF 5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	5,691.45	2,231.71
For #10 AWG, Add	1,394.50	
For Work In Restricted Working Space, Add	1,116.18	
27 15 13 00-0081 MLF 6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	6,235.00	2,370.84
For #10 AWG, Add	1,543.74	
For Work In Restricted Working Space, Add	1,185.73	
27 15 13 00-0082 MLF 8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	6,824.34	2,652.89
For #10 AWG, Add	1,677.35	
For Work In Restricted Working Space, Add	1,326.20	
27 15 13 00-0083 MLF 12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	9,032.40	3,497.17
For #10 AWG, Add	2,223.12	
For Work In Restricted Working Space, Add	1,748.24	
27 15 13 00-0084 MLF 24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	13,413.08	5,164.75
For #10 AWG, Add	3,307.57	
For Work In Restricted Working Space, Add	2,581.71	
<b>27 15 13 00-0085 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0074)</small>		
27 15 13 00-0086 MLF 1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	3,213.02	1,650.43
For Work In Restricted Working Space, Add	825.03	
27 15 13 00-0087 MLF 2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	3,703.45	1,709.52
For Work In Restricted Working Space, Add	854.76	
27 15 13 00-0088 MLF 3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	4,138.45	1,768.60
For Work In Restricted Working Space, Add	884.49	
27 15 13 00-0089 MLF 4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	4,596.49	1,829.58
For Work In Restricted Working Space, Add	914.79	
27 15 13 00-0090 MLF 5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	5,138.21	1,953.46
For Work In Restricted Working Space, Add	976.54	
27 15 13 00-0091 MLF 6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	5,638.07	2,075.43
For Work In Restricted Working Space, Add	1,037.14	
27 15 13 00-0092 MLF 8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	6,165.44	2,321.28
For Work In Restricted Working Space, Add	1,160.64	
27 15 13 00-0093 MLF 12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	8,160.23	3,058.83
For Work In Restricted Working Space, Add	1,529.41	
27 15 13 00-0094 MLF 24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	12,125.07	4,518.69
For Work In Restricted Working Space, Add	2,259.53	
<b>27 15 13 00-0095 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0074)</small>		
27 15 13 00-0096 MLF 1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	2,864.24	1,473.20
For Work In Restricted Working Space, Add	736.98	
27 15 13 00-0097 MLF 2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	3,198.40	1,526.56
For Work In Restricted Working Space, Add	763.28	
27 15 13 00-0098 MLF 3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	3,679.98	1,579.92
For Work In Restricted Working Space, Add	789.58	
27 15 13 00-0099 MLF 4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	4,085.87	1,633.28
For Work In Restricted Working Space, Add	817.02	
27 15 13 00-0100 MLF 5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	4,564.61	1,743.82
For Work In Restricted Working Space, Add	871.91	
27 15 13 00-0101 MLF 6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
Exposed .....	5,007.95	1,852.45
For Work In Restricted Working Space, Add	926.23	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0102	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	5,241.85	1,962.99
		<i>For Work In Restricted Working Space, Add</i>		981.11	
27 15 13 00-0103	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	5,477.66	2,073.53
		<i>For Work In Restricted Working Space, Add</i>		1,036.57	
27 15 13 00-0104	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	6,033.90	2,205.03
		<i>For Work In Restricted Working Space, Add</i>		1,102.32	
27 15 13 00-0105	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	7,248.60	2,731.03
		<i>For Work In Restricted Working Space, Add</i>		1,365.61	
27 15 13 00-0106	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	10,769.52	4,034.61
		<i>For Work In Restricted Working Space, Add</i>		2,017.40	
<b>27 15 13 00-0107</b>		<b>#18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> (27 15 13 00-0074)			
27 15 13 00-0108	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	2,449.03	1,297.86
		<i>For Work In Restricted Working Space, Add</i>		648.36	
27 15 13 00-0109	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	2,770.49	1,343.60
		<i>For Work In Restricted Working Space, Add</i>		671.80	
27 15 13 00-0110	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	3,057.49	1,389.34
		<i>For Work In Restricted Working Space, Add</i>		695.24	
27 15 13 00-0111	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	3,357.63	1,436.98
		<i>For Work In Restricted Working Space, Add</i>		718.68	
27 15 13 00-0112	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	3,728.47	1,534.18
		<i>For Work In Restricted Working Space, Add</i>		767.28	
27 15 13 00-0113	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	4,073.76	1,629.47
		<i>For Work In Restricted Working Space, Add</i>		815.31	
27 15 13 00-0114	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	4,467.79	1,823.86
		<i>For Work In Restricted Working Space, Add</i>		911.93	
27 15 13 00-0115	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	5,910.04	2,403.23
		<i>For Work In Restricted Working Space, Add</i>		1,201.81	
27 15 13 00-0116	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	8,773.57	3,550.53
		<i>For Work In Restricted Working Space, Add</i>		1,775.26	
<b>27 15 13 00-0117</b>		<b>#20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> (27 15 13 00-0074)			
27 15 13 00-0118	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	2,186.10	1,179.70
		<i>For Work In Restricted Working Space, Add</i>		589.47	
27 15 13 00-0119	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	2,444.81	1,221.63
		<i>For Work In Restricted Working Space, Add</i>		610.62	
27 15 13 00-0120	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	2,674.62	1,264.51
		<i>For Work In Restricted Working Space, Add</i>		631.78	
27 15 13 00-0121	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	2,915.61	1,307.39
		<i>For Work In Restricted Working Space, Add</i>		653.51	
27 15 13 00-0122	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	3,223.93	1,395.06
		<i>For Work In Restricted Working Space, Add</i>		697.24	
27 15 13 00-0123	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	3,512.05	1,482.73
		<i>For Work In Restricted Working Space, Add</i>		740.98	
27 15 13 00-0124	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	3,876.80	1,658.05
		<i>For Work In Restricted Working Space, Add</i>		829.03	
27 15 13 00-0125	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	5,105.22	2,185.97
		<i>For Work In Restricted Working Space, Add</i>		1,092.60	
27 15 13 00-0126	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	7,574.91	3,228.45
		<i>For Work In Restricted Working Space, Add</i>		1,614.03	
27 15 13 00-0127	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	7,950.28	3,304.68
		<i>For Work In Restricted Working Space, Add</i>		1,652.33	
27 15 13 00-0128	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed.....	9,406.01	3,847.84
		<i>For Work In Restricted Working Space, Add</i>		1,923.93	



<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Horizontal Cabling</b>	<b>27 15</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0129 MLF 40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,084.69 2,059.42	4,118.46
27 15 13 00-0130 MLF 50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	12,224.58 2,573.41	5,147.60
27 15 13 00-0131 MLF 100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	16,453.99 3,388.13	6,777.07
<b>27 15 13 00-0132 #22 AWG, Shielded, Low Voltage Cable, Installed Exposed (27 15 13 00-0074)</b>		
27 15 13 00-0133 MLF 1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,884.32 530.58	1,061.54
27 15 13 00-0134 MLF 2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,989.84 549.45	1,099.66
27 15 13 00-0135 MLF 3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,113.52 568.89	1,137.77
27 15 13 00-0136 MLF 4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,245.29 588.32	1,175.89
27 15 13 00-0137 MLF 5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,457.19 627.78	1,255.93
27 15 13 00-0138 MLF 6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,668.14 665.51	1,330.26
<b>27 15 13 00-0139 Triad, Installed Exposed (27 15 13 00-0074)</b>		
27 15 13 00-0140 MLF 1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	2,338.61	789.96
27 15 13 00-0141 MLF 4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	3,050.77	1,092.99
27 15 13 00-0142 MLF 8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	4,761.23	1,614.22
27 15 13 00-0143 MLF 12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	5,924.97	1,923.92
27 15 13 00-0144 MLF 24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	9,692.39	2,980.70
27 15 13 00-0145 MLF 36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	11,148.48	3,388.54
<b>27 15 13 00-0146 Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0001)</b>		
<b>27 15 13 00-0147 #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)</b>		
27 15 13 00-0148 MLF 1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,610.22 412.52	825.22
27 15 13 00-0149 MLF 2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,858.57 427.38	854.75
27 15 13 00-0150 MLF 3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,078.77 442.25	884.30
27 15 13 00-0151 MLF 4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,310.65 457.40	914.79
27 15 13 00-0152 MLF 5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,582.29 487.70	975.78
27 15 13 00-0153 MLF 6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,835.57 518.29	1,036.76
27 15 13 00-0154 MLF 8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,101.12 580.32	1,160.65
27 15 13 00-0155 MLF 12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	4,104.66 764.71	1,529.41
27 15 13 00-0156 MLF 24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	6,099.34 1,129.76	2,259.34
<b>27 15 13 00-0157 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)</b>		
27 15 13 00-0158 MLF 1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,435.38 368.49	736.59
27 15 13 00-0159 MLF 2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,654.29 381.64	763.28

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0160 MLF 3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,848.38	789.96
<i>For Work In Restricted Working Space, Add</i>	394.79	
27 15 13 00-0161 MLF 4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,053.86	816.64
<i>For Work In Restricted Working Space, Add</i>	408.51	
27 15 13 00-0162 MLF 5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,294.65	870.96
<i>For Work In Restricted Working Space, Add</i>	435.67	
27 15 13 00-0163 MLF 6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,519.37	926.22
<i>For Work In Restricted Working Space, Add</i>	463.12	
27 15 13 00-0164 MLF 7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,636.73	981.50
<i>For Work In Restricted Working Space, Add</i>	490.56	
27 15 13 00-0165 MLF 8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,821.45	1,036.76
<i>For Work In Restricted Working Space, Add</i>	518.29	
27 15 13 00-0166 MLF 9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,113.25	1,102.51
<i>For Work In Restricted Working Space, Add</i>	551.13	
27 15 13 00-0167 MLF 12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,645.91	1,365.52
<i>For Work In Restricted Working Space, Add</i>	682.81	
27 15 13 00-0168 MLF 24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,417.64	2,017.30
<i>For Work In Restricted Working Space, Add</i>	1,008.84	
<b>27 15 13 00-0169 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)</b>		
27 15 13 00-0170 MLF 1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,253.44	647.97
<i>For Work In Restricted Working Space, Add</i>	324.18	
27 15 13 00-0171 MLF 2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,429.58	671.80
<i>For Work In Restricted Working Space, Add</i>	335.90	
27 15 13 00-0172 MLF 3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,540.17	695.62
<i>For Work In Restricted Working Space, Add</i>	347.62	
27 15 13 00-0173 MLF 4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,686.53	718.49
<i>For Work In Restricted Working Space, Add</i>	359.34	
27 15 13 00-0174 MLF 5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,862.88	767.09
<i>For Work In Restricted Working Space, Add</i>	383.64	
27 15 13 00-0175 MLF 6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,038.29	815.69
<i>For Work In Restricted Working Space, Add</i>	407.66	
27 15 13 00-0176 MLF 8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,449.65	911.93
<i>For Work In Restricted Working Space, Add</i>	455.97	
27 15 13 00-0177 MLF 12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,182.39	1,201.62
<i>For Work In Restricted Working Space, Add</i>	600.90	
27 15 13 00-0178 MLF 24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,246.89	1,775.27
<i>For Work In Restricted Working Space, Add</i>	887.63	
<b>27 15 13 00-0179 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)</b>		
27 15 13 00-0180 MLF 1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,104.45	589.85
<i>For Work In Restricted Working Space, Add</i>	294.74	
27 15 13 00-0181 MLF 2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,225.68	610.81
<i>For Work In Restricted Working Space, Add</i>	305.31	
27 15 13 00-0182 MLF 3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,447.63	695.62
<i>For Work In Restricted Working Space, Add</i>	347.62	
27 15 13 00-0183 MLF 4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,593.30	731.26
<i>For Work In Restricted Working Space, Add</i>	365.63	
27 15 13 00-0184 MLF 5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,735.91	767.09
<i>For Work In Restricted Working Space, Add</i>	383.64	
27 15 13 00-0185 MLF 6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,888.26	815.69
<i>For Work In Restricted Working Space, Add</i>	407.66	
27 15 13 00-0186 MLF 8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,078.83	907.74
<i>For Work In Restricted Working Space, Add</i>	453.97	





<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Horizontal Cabling</b>	<b>27 15</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0187 MLF 12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,564.33 546.30	1,092.99
27 15 13 00-0188 MLF 24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,805.04 807.02	1,614.22
27 15 13 00-0189 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,994.72 826.17	1,652.34
27 15 13 00-0190 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	4,726.99 961.96	1,923.92
27 15 13 00-0191 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	5,068.15 1,029.71	2,059.23
27 15 13 00-0192 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	6,141.52 1,286.71	2,573.81
27 15 13 00-0193 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	8,268.36 1,694.07	3,388.54
<b>27 15 13 00-0194 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)</b>		
27 15 13 00-0195 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	965.19 265.29	530.77
27 15 13 00-0196 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,026.43 274.72	549.82
27 15 13 00-0197 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,105.52 284.44	568.89
27 15 13 00-0198 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,191.53 294.16	587.95
27 15 13 00-0199 MLF 5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,307.43 313.89	627.96
27 15 13 00-0200 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,431.32 332.75	665.13
<b>27 15 13 00-0201 Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0001)</b>		
<b>27 15 13 00-0202 #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)</b>		
27 15 13 00-0203 MLF 1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,985.26 825.03	1,650.43
27 15 13 00-0204 MLF 2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,283.17 854.76	1,709.52
27 15 13 00-0205 MLF 3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,552.91 884.49	1,768.60
27 15 13 00-0206 MLF 4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,835.30 914.79	1,829.58
27 15 13 00-0207 MLF 5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,207.95 975.40	1,951.55
27 15 13 00-0208 MLF 6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,563.19 1,036.57	2,073.53
27 15 13 00-0209 MLF 8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,035.52 1,160.64	2,321.28
27 15 13 00-0210 MLF 12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,653.68 1,529.41	3,058.83
27 15 13 00-0211 MLF 24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,865.24 2,259.53	4,518.69
<b>27 15 13 00-0212 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)</b>		
27 15 13 00-0213 MLF 1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,663.68 736.98	1,473.20

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0214 MLF 2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	2,926.42	1,526.56
<i>For Work In Restricted Working Space, Add</i> .....	763.28	
27 15 13 00-0215 MLF 3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	3,164.35	1,579.92
<i>For Work In Restricted Working Space, Add</i> .....	789.58	
27 15 13 00-0216 MLF 4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	3,415.56	1,633.28
<i>For Work In Restricted Working Space, Add</i> .....	817.02	
27 15 13 00-0217 MLF 5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	3,746.87	1,741.91
<i>For Work In Restricted Working Space, Add</i> .....	871.34	
27 15 13 00-0218 MLF 6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	4,063.07	1,852.45
<i>For Work In Restricted Working Space, Add</i> .....	926.23	
27 15 13 00-0219 MLF 7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	4,271.91	1,962.99
<i>For Work In Restricted Working Space, Add</i> .....	981.11	
27 15 13 00-0220 MLF 8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	4,549.07	2,073.53
<i>For Work In Restricted Working Space, Add</i> .....	1,036.57	
27 15 13 00-0221 MLF 9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	4,950.35	2,205.03
<i>For Work In Restricted Working Space, Add</i> .....	1,102.26	
27 15 13 00-0222 MLF 12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	5,921.92	2,731.03
<i>For Work In Restricted Working Space, Add</i> .....	1,365.61	
27 15 13 00-0223 MLF 24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	8,780.44	4,034.61
<i>For Work In Restricted Working Space, Add</i> .....	2,017.68	
<b>27 15 13 00-0224 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0201)</small>		
27 15 13 00-0225 MLF 1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	2,334.03	1,295.95
<i>For Work In Restricted Working Space, Add</i> .....	648.36	
27 15 13 00-0226 MLF 2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	2,549.25	1,343.60
<i>For Work In Restricted Working Space, Add</i> .....	671.80	
27 15 13 00-0227 MLF 3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	2,698.91	1,391.25
<i>For Work In Restricted Working Space, Add</i> .....	695.24	
27 15 13 00-0228 MLF 4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	2,884.33	1,436.98
<i>For Work In Restricted Working Space, Add</i> .....	718.68	
27 15 13 00-0229 MLF 5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	3,141.68	1,534.18
<i>For Work In Restricted Working Space, Add</i> .....	767.28	
27 15 13 00-0230 MLF 6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	3,397.13	1,631.37
<i>For Work In Restricted Working Space, Add</i> .....	815.31	
27 15 13 00-0231 MLF 8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	3,969.53	1,823.86
<i>For Work In Restricted Working Space, Add</i> .....	911.93	
27 15 13 00-0232 MLF 12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	5,185.40	2,403.23
<i>For Work In Restricted Working Space, Add</i> .....	1,201.81	
27 15 13 00-0233 MLF 24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	7,205.66	3,550.53
<i>For Work In Restricted Working Space, Add</i> .....	1,775.26	
<b>27 15 13 00-0234 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0201)</small>		
27 15 13 00-0235 MLF 1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	2,086.90	1,179.70
<i>For Work In Restricted Working Space, Add</i> .....	589.47	
27 15 13 00-0236 MLF 2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	2,243.39	1,221.63
<i>For Work In Restricted Working Space, Add</i> .....	610.62	
27 15 13 00-0237 MLF 3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	2,606.37	1,391.25
<i>For Work In Restricted Working Space, Add</i> .....	695.24	
27 15 13 00-0238 MLF 4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	2,812.06	1,462.53
<i>For Work In Restricted Working Space, Add</i> .....	731.26	
27 15 13 00-0239 MLF 5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	3,014.71	1,534.18
<i>For Work In Restricted Working Space, Add</i> .....	767.28	
27 15 13 00-0240 MLF 6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	3,247.10	1,631.37
<i>For Work In Restricted Working Space, Add</i> .....	815.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0241 MLF 8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,592.04	1,815.48
For Work In Restricted Working Space, Add	907.93	
27 15 13 00-0242 MLF 12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,385.34	2,185.97
For Work In Restricted Working Space, Add	1,092.60	
27 15 13 00-0243 MLF 24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,495.09	3,228.45
For Work In Restricted Working Space, Add	1,614.03	
27 15 13 00-0244 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,748.60	3,304.68
For Work In Restricted Working Space, Add	1,652.33	
27 15 13 00-0245 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,933.54	3,847.84
For Work In Restricted Working Space, Add	1,923.93	
27 15 13 00-0246 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,500.51	4,118.46
For Work In Restricted Working Space, Add	2,059.42	
27 15 13 00-0247 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,430.53	5,147.60
For Work In Restricted Working Space, Add	2,573.41	
27 15 13 00-0248 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	13,915.24	6,777.07
For Work In Restricted Working Space, Add	3,388.13	
<b>27 15 13 00-0249 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0201)</small>		
27 15 13 00-0250 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,849.49	1,061.54
For Work In Restricted Working Space, Add	530.58	
27 15 13 00-0251 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,942.18	1,099.66
For Work In Restricted Working Space, Add	549.45	
27 15 13 00-0252 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,053.67	1,137.77
For Work In Restricted Working Space, Add	568.89	
27 15 13 00-0253 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,172.07	1,175.89
For Work In Restricted Working Space, Add	588.32	
27 15 13 00-0254 MLF 5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,353.73	1,255.93
For Work In Restricted Working Space, Add	627.78	
27 15 13 00-0255 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,540.51	1,330.26
For Work In Restricted Working Space, Add	665.51	
<b>27 15 13 00-0256 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench</b> <small>(27 15 13 00-0001)</small>		
Note: Excludes excavation.		
27 15 13 00-0257 MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,795.54	
27 15 13 00-0258 MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,233.63	
27 15 13 00-0259 MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,617.51	
27 15 13 00-0260 MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,024.18	
27 15 13 00-0261 MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,459.32	
27 15 13 00-0262 MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,855.61	
<b>27 15 13 00-0263 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)</b> <small>(27 15 13 00-0001)</small>		
27 15 13 00-0264 MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	1,897.87	534.82
27 15 13 00-0265 MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,391.69	572.98
27 15 13 00-0266 MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,133.64	724.36
27 15 13 00-0267 MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,795.12	837.81
27 15 13 00-0268 MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	6,195.07	954.93
27 15 13 00-0269 MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	7,480.89	1,219.99
<b>27 15 13 00-0270 Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0001)</small>		
27 15 13 00-0271 MLF 1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,435.04	736.59
27 15 13 00-0272 MLF 2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,759.68	763.28
27 15 13 00-0273 MLF 3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,986.83	789.96
27 15 13 00-0274 MLF 4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,105.71	816.64
27 15 13 00-0275 MLF 5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,550.17	870.96

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0276 MLF 6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,762.59	926.22
27 15 13 00-0277 MLF 8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,482.80	1,036.76
27 15 13 00-0278 MLF 12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,310.58	1,365.52
27 15 13 00-0279 MLF 24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,556.25	2,017.30
27 15 13 00-0280 MLF 1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,237.31	647.97
27 15 13 00-0281 MLF 2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,503.57	671.80
27 15 13 00-0282 MLF 3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,723.03	695.62
27 15 13 00-0283 MLF 4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,829.38	718.49
27 15 13 00-0284 MLF 5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,208.72	767.09
27 15 13 00-0285 MLF 6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,489.89	815.69
27 15 13 00-0286 MLF 8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,814.25	911.93
27 15 13 00-0287 MLF 12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,631.50	1,201.62
27 15 13 00-0288 MLF 24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,831.52	1,775.27
27 15 13 00-0289 MLF 1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,089.71	589.85
27 15 13 00-0290 MLF 2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,257.57	610.81
27 15 13 00-0291 MLF 3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,420.14	631.77
27 15 13 00-0292 MLF 4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,521.14	653.69
27 15 13 00-0293 MLF 5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,659.32	697.53
27 15 13 00-0294 MLF 6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,815.99	741.36
27 15 13 00-0295 MLF 8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,034.06	829.03
27 15 13 00-0296 MLF 12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,815.60	1,092.99
27 15 13 00-0297 MLF 24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,287.73	1,614.22
27 15 13 00-0298 MLF 25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,531.76	1,652.34
27 15 13 00-0299 MLF 36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,357.57	1,923.92
27 15 13 00-0300 MLF 40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,776.31	2,059.23
27 15 13 00-0301 MLF 50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,943.48	2,573.81
27 15 13 00-0302 MLF 100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,403.22	3,388.54
27 15 13 00-0303 MLF 250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	18,248.05	6,241.54
27 15 13 00-0304 MLF 500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	27,767.45	8,259.80
27 15 13 00-0305 MLF 750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	37,308.27	10,408.60
27 15 13 00-0306 MLF 1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	52,616.29	14,277.41
27 15 13 00-0307 MLF 1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,051.07	589.85
27 15 13 00-0308 MLF 2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,171.14	610.81
27 15 13 00-0309 MLF 3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,287.85	631.77
27 15 13 00-0310 MLF 4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,365.49	653.69
27 15 13 00-0311 MLF 5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,480.32	697.53
27 15 13 00-0312 MLF 6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,606.63	741.36
27 15 13 00-0313 MLF 8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,799.00	829.03
27 15 13 00-0314 MLF 12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,457.23	1,092.99
27 15 13 00-0315 MLF 24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,712.05	1,614.22
27 15 13 00-0316 MLF 25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,891.16	1,652.34
27 15 13 00-0317 MLF 36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,600.18	1,923.92



<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Horizontal Cabling</b>	<b>27 15</b>

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0318	MLF	40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,931.73	2,059.23
27 15 13 00-0319	MLF	50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,987.01	2,573.81
27 15 13 00-0320	MLF	100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,049.74	3,388.54
27 15 13 00-0321	MLF	250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	15,383.72	6,241.54
27 15 13 00-0322	MLF	500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	22,710.43	8,259.80
27 15 13 00-0323	MLF	750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	30,100.04	10,408.60
27 15 13 00-0324	MLF	1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	42,209.88	14,277.41
<b>27 15 13 00-0325</b>		<b>Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0001)</small>		
27 15 13 00-0326	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,509.19	736.59
27 15 13 00-0327	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,775.82	763.28
27 15 13 00-0328	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,935.89	789.96
27 15 13 00-0329	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,155.03	816.64
27 15 13 00-0330	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,402.44	870.96
27 15 13 00-0331	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,647.96	926.22
27 15 13 00-0332	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,238.69	1,036.76
27 15 13 00-0333	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,194.38	1,365.52
27 15 13 00-0334	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,268.70	2,017.30
27 15 13 00-0335	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,319.37	647.97
27 15 13 00-0336	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,547.80	671.80
27 15 13 00-0337	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,685.67	695.62
27 15 13 00-0338	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,872.96	718.49
27 15 13 00-0339	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,085.68	767.09
27 15 13 00-0340	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,297.46	815.69
27 15 13 00-0341	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,804.30	911.93
27 15 13 00-0342	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,633.23	1,201.62
27 15 13 00-0343	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,428.78	1,775.27
27 15 13 00-0344	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,150.99	589.85
27 15 13 00-0345	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,347.04	610.81
27 15 13 00-0346	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,481.11	631.77
27 15 13 00-0347	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,733.10	653.69
27 15 13 00-0348	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,941.33	697.53
27 15 13 00-0349	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,363.22	741.36
27 15 13 00-0350	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,640.94	829.03
27 15 13 00-0351	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,312.70	1,092.99
27 15 13 00-0352	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,014.77	1,614.22
27 15 13 00-0353	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,339.43	1,652.34
27 15 13 00-0354	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,374.97	1,923.92
27 15 13 00-0355	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,841.15	2,059.23
27 15 13 00-0356	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,149.37	2,573.81
27 15 13 00-0357	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	11,109.69	3,388.54
27 15 13 00-0358	MLF	250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	21,859.94	6,241.54

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0359 MLF 500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	34,144.09	8,259.80
27 15 13 00-0360 MLF 750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	46,396.49	10,408.60
27 15 13 00-0361 MLF 1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	65,737.03	14,276.45
27 15 13 00-0362 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,090.26	589.85
27 15 13 00-0363 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,228.37	610.81
27 15 13 00-0364 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,326.85	631.77
27 15 13 00-0365 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,501.08	653.69
27 15 13 00-0366 MLF 5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit.....	1,660.72	697.53
27 15 13 00-0367 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,956.69	741.36
27 15 13 00-0368 MLF 8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,187.22	829.03
27 15 13 00-0369 MLF 12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,775.21	1,092.99
27 15 13 00-0370 MLF 24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,177.12	1,614.22
27 15 13 00-0371 MLF 25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,407.80	1,652.34
27 15 13 00-0372 MLF 36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,233.30	1,923.92
27 15 13 00-0373 MLF 40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,612.89	2,059.23
27 15 13 00-0374 MLF 50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,758.40	2,573.81
27 15 13 00-0375 MLF 100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,141.32	3,388.54
27 15 13 00-0376 MLF 250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	17,693.98	6,241.54
27 15 13 00-0377 MLF 500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	26,789.39	8,259.80
27 15 13 00-0378 MLF 750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	35,913.88	10,408.60
27 15 13 00-0379 MLF 1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	50,603.78	14,277.41
<b>27 15 13 00-0380 Copper Telecommunications Cable (27 15 13)</b>		
<b>27 15 13 00-0381 Indoor Telecommunications Cable (27 15 13 00-0380)</b>		
Note: Shielded twisted pair cables (STP) includes a metallic foil wrap. Un-shielded twisted pair cables (UTP) excludes any shielding.		
<b>27 15 13 00-0382 Category 3, Indoor Telecommunications Cable (27 15 13 00-0381)</b>		
Note: Un-shielded twisted pair cables (UTP).		
<b>27 15 13 00-0383 Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0382)</b>		
<b>27 15 13 00-0384 24 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0383)</b>		
<b>27 15 13 00-0385 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0384)</b>		
27 15 13 00-0386 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	829.78	438.11
27 15 13 00-0387 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	872.28	438.11
27 15 13 00-0388 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	887.30	438.11
27 15 13 00-0389 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,076.19	500.70
27 15 13 00-0390 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,389.08	500.70
27 15 13 00-0391 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,885.90	500.70
27 15 13 00-0392 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	3,033.85	625.87
27 15 13 00-0393 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	5,507.21	1,001.38
27 15 13 00-0394 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	7,492.85	1,126.56
27 15 13 00-0395 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	9,993.77	1,251.74
27 15 13 00-0396 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	14,629.52	1,752.43
27 15 13 00-0397 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	19,195.48	2,165.50
27 15 13 00-0398 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	30,484.16	3,004.16
27 15 13 00-0399 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	49,337.38	6,008.32
27 15 13 00-0400 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	66,944.39	9,012.48
<b>27 15 13 00-0401 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0384)</b>		
27 15 13 00-0402 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,559.95	876.21
For Work In Restricted Working Space, Add	438.11	
27 15 13 00-0403 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,602.45	876.21
For Work In Restricted Working Space, Add	438.11	
27 15 13 00-0404 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,617.47	876.21
For Work In Restricted Working Space, Add	438.11	



<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Horizontal Cabling</b>	<b>27 15</b>

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0405 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,702.05 438.11	876.21
27 15 13 00-0406 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,014.94 438.11	876.21
27 15 13 00-0407 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,720.39 500.69	1,001.38
27 15 13 00-0408 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,076.96 625.87	1,251.74
27 15 13 00-0409 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,341.70 751.04	1,502.08
27 15 13 00-0410 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,431.65 844.92	1,689.84
27 15 13 00-0411 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,036.89 938.80	1,877.60
27 15 13 00-0412 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	16,089.87 1,314.32	2,628.64
27 15 13 00-0413 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	21,010.50 1,627.25	3,254.51
27 15 13 00-0414 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	32,987.63 2,253.12	4,506.24
27 15 13 00-0415 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	54,344.31 4,506.24	9,012.48
27 15 13 00-0416 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	74,454.80 6,759.36	13,518.72
<b>27 15 13 00-0417 22 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0383)</b>		
<b>27 15 13 00-0418 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0417)</b>		
27 15 13 00-0419 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,123.34	500.70
27 15 13 00-0420 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	4,676.37	625.87
27 15 13 00-0421 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	8,569.03	1,001.38
27 15 13 00-0422 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	15,326.86	1,251.74
27 15 13 00-0423 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	22,560.63	1,752.43
27 15 13 00-0424 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	29,410.58	2,165.50
27 15 13 00-0425 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	43,647.83	3,004.16
<b>27 15 13 00-0426 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0417)</b>		
27 15 13 00-0427 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,957.83 500.69	1,001.38
27 15 13 00-0428 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,719.48 625.87	1,251.74
27 15 13 00-0429 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,403.52 751.04	1,502.08
27 15 13 00-0430 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	16,369.98 938.80	1,877.60
27 15 13 00-0431 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	24,020.98 1,314.32	2,628.64
27 15 13 00-0432 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	31,225.60 1,627.25	3,254.51
27 15 13 00-0433 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	46,151.30 2,253.12	4,506.24
<b>27 15 13 00-0434 Category 3, Indoor Telecommunications Plenum Cable (27 15 13 00-0382)</b>		
<b>27 15 13 00-0435 24 AWG, Category 3, Indoor Telecommunications Plenum Cable (27 15 13 00-0434)</b>		
<b>27 15 13 00-0436 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit (27 15 13 00-0435)</b>		
27 15 13 00-0437 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	864.15	438.11
27 15 13 00-0438 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	906.49	438.11
27 15 13 00-0439 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	938.15	438.11
27 15 13 00-0440 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,133.28	500.70
27 15 13 00-0441 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,474.35	500.70
27 15 13 00-0442 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	2,398.89	500.70
27 15 13 00-0443 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,078.26	625.87
27 15 13 00-0444 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	7,695.53	1,001.38
27 15 13 00-0445 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	13,422.99	1,251.74
27 15 13 00-0446 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	20,140.78	1,752.43
<b>27 15 13 00-0447 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed (27 15 13 00-0435)</b>		
27 15 13 00-0448 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,594.32 438.11	876.21
27 15 13 00-0449 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,636.66 438.11	876.21

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 15</b>	<b>Communications Horizontal Cabling</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0450 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,668.32 438.11	876.21
27 15 13 00-0451 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,759.14 438.11	876.21
27 15 13 00-0452 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,100.21 438.11	876.21
27 15 13 00-0453 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,233.38 500.69	1,001.38
27 15 13 00-0454 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,121.37 625.87	1,251.74
27 15 13 00-0455 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,530.02 751.04	1,502.08
27 15 13 00-0456 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	14,466.11 938.80	1,877.60
27 15 13 00-0457 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	21,601.13 1,314.32	2,628.64
<b>27 15 13 00-0458 Category 5E, Indoor Telecommunications Cable</b> <small>(27 15 13 00-0381)</small>		
<b>27 15 13 00-0459 Category 5E, Indoor Telecommunications Riser Cable</b> <small>(27 15 13 00-0458)</small>		
<b>27 15 13 00-0460 Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit</b> <small>(27 15 13 00-0459)</small>		
27 15 13 00-0461 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	963.58	438.11
27 15 13 00-0462 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,018.25	438.11
27 15 13 00-0463 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,123.60	500.70
27 15 13 00-0464 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,178.26	500.70
<b>27 15 13 00-0465 Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed</b> <small>(27 15 13 00-0459)</small>		
27 15 13 00-0466 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,693.75 438.11	876.21
27 15 13 00-0467 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,748.42 438.11	876.21
27 15 13 00-0468 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,958.09 500.69	1,001.38
27 15 13 00-0469 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,012.75 500.69	1,001.38
<b>27 15 13 00-0470 Category 5E, Indoor Telecommunications Plenum Cable</b> <small>(27 15 13 00-0458)</small>		
<b>27 15 13 00-0471 Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit</b> <small>(27 15 13 00-0470)</small>		
27 15 13 00-0472 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,164.62	438.11
27 15 13 00-0473 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,696.09	500.70
<b>27 15 13 00-0474 Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed</b> <small>(27 15 13 00-0470)</small>		
27 15 13 00-0475 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,894.79 438.11	876.21
27 15 13 00-0476 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,530.58 500.69	1,001.38
<b>27 15 13 00-0477 Category 6, Indoor Telecommunications Cable</b> <small>(27 15 13 00-0381)</small>		
<b>27 15 13 00-0478 Category 6, Indoor Telecommunications Riser Cable</b> <small>(27 15 13 00-0477)</small>		
<b>27 15 13 00-0479 Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit</b> <small>(27 15 13 00-0478)</small>		
27 15 13 00-0480 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,432.63	438.11
27 15 13 00-0481 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,511.17	438.11
<b>27 15 13 00-0482 Category 6, Indoor Telecommunications Riser Cable, Installed Exposed</b> <small>(27 15 13 00-0478)</small>		
27 15 13 00-0483 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,162.80 438.11	876.21
27 15 13 00-0484 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,241.34 438.11	876.21
<b>27 15 13 00-0485 Category 6, Indoor Telecommunications Plenum Cable</b> <small>(27 15 13 00-0477)</small>		
<b>27 15 13 00-0486 Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit</b> <small>(27 15 13 00-0485)</small>		
27 15 13 00-0487 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	2,159.32	438.11
<b>27 15 13 00-0488 Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed</b> <small>(27 15 13 00-0485)</small>		





<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Horizontal Cabling</b>	<b>27 15</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0489 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,889.49 438.11	876.21
27 15 13 00-0490 Category 6a, Indoor Telecommunications Cable <small>(27 15 13 00-0381)</small>		
27 15 13 00-0491 Category 6a, Indoor Telecommunications Riser Cable <small>(27 15 13 00-0490)</small>		
27 15 13 00-0492 Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 15 13 00-0491)</small>		
27 15 13 00-0493 MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,558.12	438.11
27 15 13 00-0494 Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 15 13 00-0491)</small>		
27 15 13 00-0495 MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,288.29 438.11	876.21
27 15 13 00-0496 Category 6a, Indoor Telecommunications Plenum Cable <small>(27 15 13 00-0490)</small>		
27 15 13 00-0497 Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0496)</small>		
27 15 13 00-0498 MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	2,530.76	438.11
27 15 13 00-0499 Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0496)</small>		
27 15 13 00-0500 MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,260.93 438.11	876.21
27 15 13 00-0501 Category 7, Indoor Telecommunications Cable <small>(27 15 13 00-0381)</small>		
27 15 13 00-0502 Category 7, Indoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0501)</small>		
27 15 13 00-0503 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit.....	4,026.25	500.70
27 15 13 00-0504 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	8,625.76	500.70
27 15 13 00-0505 Category 7, Indoor Telecommunications Cable, Installed Exposed <small>(27 15 13 00-0501)</small>		
27 15 13 00-0506 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,860.74 500.69	1,001.38
27 15 13 00-0507 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,460.25 500.69	1,001.38
27 15 13 00-0508 Outdoor Telecommunications Cable <small>(27 15 13 00-0380)</small> Note: Cable buried in trench excludes excavation.		
27 15 13 00-0509 PE-89 Outdoor Telecommunications Cable <small>(27 15 13 00-0508)</small> Note: Includes foam-skin polyolefin insulated conductors.		
27 15 13 00-0510 24 AWG, PE-89 Outdoor Telecommunications Cable <small>(27 15 13 00-0509)</small>		
27 15 13 00-0511 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0510)</small>		
27 15 13 00-0512 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	1,485.47	500.70
27 15 13 00-0513 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	1,760.81	876.21
27 15 13 00-0514 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,458.26	563.28
27 15 13 00-0515 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	3,692.54	625.87
27 15 13 00-0516 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	5,232.90	876.21
27 15 13 00-0517 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	6,567.26	1,001.38
27 15 13 00-0518 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	11,172.41	1,126.56
27 15 13 00-0519 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	16,418.78	1,627.25
27 15 13 00-0520 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	21,750.72	2,127.95
27 15 13 00-0521 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	29,537.68	2,878.98
27 15 13 00-0522 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	46,859.83	5,757.97
27 15 13 00-0523 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	64,161.62	8,511.78
27 15 13 00-0524 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench <small>(27 15 13 00-0510)</small>		
27 15 13 00-0525 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,329.00	
27 15 13 00-0526 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,604.34	
27 15 13 00-0527 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,249.64	
27 15 13 00-0528 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,483.92	
27 15 13 00-0529 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,919.98	
27 15 13 00-0530 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	6,045.71	
27 15 13 00-0531 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	10,963.79	
27 15 13 00-0532 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	15,792.91	
27 15 13 00-0533 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	20,446.83	
27 15 13 00-0534 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	27,242.84	
27 15 13 00-0535 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	40,601.15	
27 15 13 00-0536 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	54,982.23	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0537	22		22 AWG, PE-89 Outdoor Telecommunications Cable (27 15 13 00-0509)		
27 15 13 00-0538	22		22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0537)		
27 15 13 00-0539	MLF		6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	1,660.51	500.70
27 15 13 00-0540	MLF		12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	2,087.84	500.70
27 15 13 00-0541	MLF		25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	3,127.67	563.28
27 15 13 00-0542	MLF		50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	4,884.02	625.87
27 15 13 00-0543	MLF		75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	7,094.85	876.21
27 15 13 00-0544	MLF		100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	9,098.54	1,001.38
27 15 13 00-0545	MLF		200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	16,055.61	1,126.56
27 15 13 00-0546	MLF		300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	23,383.20	1,627.25
27 15 13 00-0547	MLF		400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	31,139.36	2,127.95
27 15 13 00-0548	MLF		600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	45,933.21	2,878.98
27 15 13 00-0549	MLF		900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	67,566.02	5,757.97
27 15 13 00-0550	MLF		1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	95,139.98	8,511.78
27 15 13 00-0551	22		22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0537)		
27 15 13 00-0552	MLF		6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	1,504.04	
27 15 13 00-0553	MLF		12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	1,931.37	
27 15 13 00-0554	MLF		25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	2,919.05	
27 15 13 00-0555	MLF		50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	4,675.40	
27 15 13 00-0556	MLF		75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	6,781.93	
27 15 13 00-0557	MLF		100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	8,785.60	
27 15 13 00-0558	MLF		200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	15,846.99	
27 15 13 00-0559	MLF		300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	22,757.33	
27 15 13 00-0560	MLF		400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	29,835.47	
27 15 13 00-0561	MLF		600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	43,638.37	
27 15 13 00-0562	MLF		900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	61,307.34	
27 15 13 00-0563	MLF		1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	85,960.59	
27 15 13 00-0564	19		19 AWG, PE-89 Outdoor Telecommunications Cable (27 15 13 00-0509)		
27 15 13 00-0565	19		19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0564)		
27 15 13 00-0566	MLF		25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	5,191.34	563.28
27 15 13 00-0567	MLF		50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	8,917.82	625.87
27 15 13 00-0568	MLF		75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	14,270.25	876.21
27 15 13 00-0569	MLF		100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	17,088.34	1,001.38
27 15 13 00-0570	19		19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0564)		
27 15 13 00-0571	MLF		25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	4,982.72	
27 15 13 00-0572	MLF		50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	8,709.20	
27 15 13 00-0573	MLF		75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	13,957.33	
27 15 13 00-0574	MLF		100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	16,775.40	
27 15 13 00-0575	PE-39		PE-39 Outdoor Telecommunications Cable (27 15 13 00-0509) Note: Includes solid polyolefin insulated conductors.		
27 15 13 00-0576	24		24 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0575)		
27 15 13 00-0577	24		24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0576)		
27 15 13 00-0578	MLF		6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	2,135.94	876.21
27 15 13 00-0579	MLF		12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	2,472.79	876.21
27 15 13 00-0580	MLF		25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	3,152.38	876.21
27 15 13 00-0581	MLF		50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	4,376.18	876.21
27 15 13 00-0582	MLF		100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	6,858.24	876.21
27 15 13 00-0583	MLF		200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	12,315.00	1,126.56
27 15 13 00-0584	MLF		300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	17,977.32	1,627.25
27 15 13 00-0585	MLF		400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	23,649.78	2,127.95
27 15 13 00-0586	MLF		600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	32,310.46	2,878.98
27 15 13 00-0587	MLF		900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	50,445.72	5,757.97
27 15 13 00-0588	MLF		1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	73,461.96	8,511.78
27 15 13 00-0589	24		24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0576)		
27 15 13 00-0590	MLF		6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	1,823.02	
27 15 13 00-0591	MLF		12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	2,159.87	
27 15 13 00-0592	MLF		25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	2,839.46	
27 15 13 00-0593	MLF		50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	4,063.26	
27 15 13 00-0594	MLF		100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	6,545.32	
27 15 13 00-0595	MLF		200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	12,106.38	
27 15 13 00-0596	MLF		300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	17,351.45	
27 15 13 00-0597	MLF		400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	22,345.89	
27 15 13 00-0598	MLF		600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	30,015.62	



<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0599 MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	44,187.04	
27 15 13 00-0600 MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	64,282.57	
<b>27 15 13 00-0601 22 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0575)</b>		
<b>27 15 13 00-0602 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0601)</b>		
27 15 13 00-0603 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	2,330.68	876.21
27 15 13 00-0604 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	2,825.67	876.21
27 15 13 00-0605 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	3,879.04	876.21
27 15 13 00-0606 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	5,816.86	876.21
27 15 13 00-0607 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	9,860.84	876.21
27 15 13 00-0608 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	18,093.43	1,126.56
27 15 13 00-0609 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	26,507.01	1,627.25
27 15 13 00-0610 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	33,966.27	2,127.95
27 15 13 00-0611 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	47,426.49	2,878.98
27 15 13 00-0612 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	74,922.07	5,757.97
<b>27 15 13 00-0613 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0601)</b>		
27 15 13 00-0614 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	2,017.76	
27 15 13 00-0615 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	2,512.75	
27 15 13 00-0616 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	3,566.12	
27 15 13 00-0617 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	5,503.94	
27 15 13 00-0618 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	9,547.92	
27 15 13 00-0619 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	17,884.81	
27 15 13 00-0620 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	25,881.14	
27 15 13 00-0621 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	32,662.38	
27 15 13 00-0622 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	45,131.65	
27 15 13 00-0623 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	68,663.39	
<b>27 15 13 00-0624 19 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0575)</b>		
<b>27 15 13 00-0625 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0624)</b>		
27 15 13 00-0626 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	6,212.49	876.21
27 15 13 00-0627 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	10,142.65	876.21
27 15 13 00-0628 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	18,292.40	876.21
<b>27 15 13 00-0629 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0624)</b>		
27 15 13 00-0630 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	5,899.57	
27 15 13 00-0631 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	9,829.73	
27 15 13 00-0632 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	17,979.48	
<b>27 15 13 00-0633 (Aerial) Outdoor Telecommunications Cable (27 15 13 00-0508)</b>		
Note: Includes support wire.		
<b>27 15 13 00-0634 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 15 13 00-0633)</b>		
27 15 13 00-0635 MLF 6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	6,550.58	1,833.53
27 15 13 00-0636 MLF 12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	6,830.86	1,833.53
27 15 13 00-0637 MLF 25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	7,526.74	1,833.53
27 15 13 00-0638 MLF 50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	8,815.14	1,833.53
27 15 13 00-0639 MLF 100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	11,303.66	1,833.53
27 15 13 00-0640 MLF 200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	16,694.22	2,016.88
27 15 13 00-0641 MLF 300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	22,115.55	2,200.23
<b>27 15 13 00-0642 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 15 13 00-0633)</b>		
27 15 13 00-0643 MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	6,885.90	1,833.53
27 15 13 00-0644 MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	7,300.00	1,833.53
27 15 13 00-0645 MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	8,297.39	1,833.53
27 15 13 00-0646 MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	10,267.82	1,833.53
27 15 13 00-0647 MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	14,757.02	1,833.53
27 15 13 00-0648 MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	22,781.00	2,016.88
<b>27 15 13 00-0649 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 15 13 00-0633)</b>		
27 15 13 00-0650 MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	7,329.23	1,833.53
27 15 13 00-0651 MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	8,265.69	1,833.53
27 15 13 00-0652 MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	10,106.92	1,833.53
27 15 13 00-0653 MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	13,789.40	1,833.53
27 15 13 00-0654 MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	21,341.48	1,833.53
<b>27 15 13 00-0655 Category 5E, Outdoor Telecommunications Cable (27 15 13 00-0508)</b>		

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 15</b>	<b>Communications Horizontal Cabling</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0656 Category 5E, Outdoor Telecommunications Cable <small>(27 15 13 00-0655)</small>		
27 15 13 00-0657 Category 5E, Outdoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0656)</small>		
27 15 13 00-0658 MLF 4-Pair 24 AWG, Ultra II Enhanced Category 5E, Flooded Outdoor Telecommunications Cable, Installed In Conduit.....	2,035.23	1,001.38
27 15 13 00-0659 Category 5E, Outdoor Telecommunications Cable, Buried In Trench <small>(27 15 13 00-0656)</small>		
27 15 13 00-0660 MLF 4-Pair 24 AWG, Ultra II Enhanced Category 5E, Flooded Outdoor Telecommunications Cable, Buried In Trench.....	1,722.31	
27 15 13 00-0661 Category 6, Outdoor Telecommunications Cable <small>(27 15 13 00-0608)</small>		
27 15 13 00-0662 Category 6, Outdoor Telecommunications Cable <small>(27 15 13 00-0661)</small>		
27 15 13 00-0663 Category 6, Outdoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0662)</small>		
27 15 13 00-0664 MLF 4-Pair 24 AWG, UltraMedia Category 6, Flooded Outdoor Telecommunications Cable, Installed In Conduit.....	2,325.80	1,001.38
27 15 13 00-0665 Category 6, Outdoor Telecommunications Cable, Buried In Trench <small>(27 15 13 00-0662)</small>		
27 15 13 00-0666 MLF 4-Pair 24 AWG, UltraMedia Category 6, Flooded Outdoor Telecommunications Cable, Buried In Trench.....	2,012.88	
27 15 13 00-0667 Sound System Cables <small>(27 15 13)</small> Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 15 13 00-0668 Speaker/Communications And Control Cable, Installed Exposed <small>(27 15 13 00-0667)</small>		
27 15 13 00-0669 Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed <small>(27 15 13 00-0668)</small>		
27 15 13 00-0670 MLF 2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,654.53	667.04
<i>For Work In Restricted Working Space, Add</i> .....	400.22	
27 15 13 00-0671 MLF 2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,546.44	667.04
<i>For Work In Restricted Working Space, Add</i> .....	400.22	
27 15 13 00-0672 MLF 2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,463.07	667.04
<i>For Work In Restricted Working Space, Add</i> .....	400.22	
27 15 13 00-0673 MLF 4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,554.24	667.04
<i>For Work In Restricted Working Space, Add</i> .....	400.22	
27 15 13 00-0674 MLF 4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,847.28	667.04
<i>For Work In Restricted Working Space, Add</i> .....	400.22	
27 15 13 00-0675 MLF 6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,139.34	667.04
<i>For Work In Restricted Working Space, Add</i> .....	400.22	
27 15 13 00-0676 MLF 4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,848.51	667.04
<i>For Work In Restricted Working Space, Add</i> .....	400.22	
27 15 13 00-0677 MLF 4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,707.80	667.04
<i>For Work In Restricted Working Space, Add</i> .....	400.22	
27 15 13 00-0678 Plenum Rated Speaker/Communications And Control Cable, Installed Exposed <small>(27 15 13 00-0668)</small>		
27 15 13 00-0679 MLF 2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,699.19	667.04
<i>For Work In Restricted Working Space, Add</i> .....	400.22	
27 15 13 00-0680 MLF 2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,574.85	667.04
<i>For Work In Restricted Working Space, Add</i> .....	400.22	
27 15 13 00-0681 MLF 2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,504.47	667.04
<i>For Work In Restricted Working Space, Add</i> .....	400.22	
27 15 13 00-0682 MLF 4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,621.90	667.04
<i>For Work In Restricted Working Space, Add</i> .....	400.22	
27 15 13 00-0683 MLF 8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,870.01	667.04
<i>For Work In Restricted Working Space, Add</i> .....	400.22	
27 15 13 00-0684 MLF 2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,842.64	667.04
<i>For Work In Restricted Working Space, Add</i> .....	400.22	
27 15 13 00-0685 MLF 2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,670.65	667.04
<i>For Work In Restricted Working Space, Add</i> .....	400.22	
27 15 13 00-0686 MLF 4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,963.00	667.04
<i>For Work In Restricted Working Space, Add</i> .....	400.22	



<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Horizontal Cabling</b>	<b>27 15</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0687 MLF 6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	2,254.55	667.04
<i>For Work In Restricted Working Space, Add</i> .....	400.22	
27 15 13 00-0688 MLF 2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,539.76	667.04
<i>For Work In Restricted Working Space, Add</i> .....	400.22	
27 15 13 00-0689 MLF 2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,597.85	667.04
<i>For Work In Restricted Working Space, Add</i> .....	400.22	
<b>27 15 13 00-0690 Speaker/Communications And Control Cable, Installed In Conduit (27 15 13 00-0687)</b>		
<b>27 15 13 00-0691 Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit (27 15 13 00-0690)</b>		
27 15 13 00-0692 MLF 2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	987.50	333.51
27 15 13 00-0693 MLF 2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	879.41	333.51
27 15 13 00-0694 MLF 2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	796.04	333.51
27 15 13 00-0695 MLF 4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	887.21	333.51
27 15 13 00-0696 MLF 4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,180.25	333.51
27 15 13 00-0697 MLF 6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,472.31	333.51
27 15 13 00-0698 MLF 4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit.....	1,181.48	333.51
27 15 13 00-0699 MLF 4 Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit.....	1,040.77	333.51
<b>27 15 13 00-0700 Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit (27 15 13 00-0690)</b>		
27 15 13 00-0701 MLF 2 Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,032.16	333.51
27 15 13 00-0702 MLF 2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	907.82	333.51
27 15 13 00-0703 MLF 2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	837.44	333.51
27 15 13 00-0704 MLF 4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	954.87	333.51
27 15 13 00-0705 MLF 8 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,202.98	333.51
27 15 13 00-0706 MLF 2 Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,175.61	333.51
27 15 13 00-0707 MLF 2 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,003.62	333.51
27 15 13 00-0708 MLF 4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,295.97	333.51
27 15 13 00-0709 MLF 6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,587.52	333.51
27 15 13 00-0710 MLF 2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	930.82	333.51
27 15 13 00-0711 MLF 2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	872.73	333.51
<b>27 15 23 Communications Optical Fiber Horizontal Cabling (27 15)</b>		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
<b>27 15 23 00-0001 Indoor Fiber Optic Cable (27 15 23)</b>		
Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.		
<b>27 15 23 00-0002 Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0001)</b>		
Note: Excludes conduit or innerduct.		
<b>27 15 23 00-0003 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0002)</b>		
<b>27 15 23 00-0004 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0003)</b>		
<b>27 15 23 00-0005 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)</b>		
27 15 23 00-0006 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	939.01	375.52
27 15 23 00-0007 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,033.38	375.52
27 15 23 00-0008 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,064.89	375.52
27 15 23 00-0009 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,177.11	375.52
<i>For Aluminum Armored Cable, Add</i> .....	1,228.66	
<i>For Steel Armored Cable, Add</i> .....	3,123.02	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0010 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,209.28	375.52
27 15 23 00-0011 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,403.76	375.52
<i>For Aluminum Armored Cable, Add</i>	1,350.79	
<i>For Steel Armored Cable, Add</i>	3,412.91	
27 15 23 00-0012 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,449.38	438.11
27 15 23 00-0013 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,488.24	438.11
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,782.88	
<i>For Steel Armored Cable, Add</i>	5,773.15	
27 15 23 00-0014 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,277.79	438.11
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,879.49	
<i>For Steel Armored Cable, Add</i>	5,970.79	
27 15 23 00-0015 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,430.92	438.11
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,971.96	
<i>For Steel Armored Cable, Add</i>	6,243.21	
27 15 23 00-0016 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,396.58	438.11
27 15 23 00-0017 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,653.38	438.11
27 15 23 00-0018 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,004.15	438.11
27 15 23 00-0019 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,430.49	500.70
27 15 23 00-0020 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,272.49	500.70
<b>27 15 23 00-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)</b>		
27 15 23 00-0022 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	966.19	375.52
27 15 23 00-0023 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,136.11	375.52
27 15 23 00-0024 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,439.07	375.52
27 15 23 00-0025 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,757.97	375.52
<i>For Aluminum Armored Cable, Add</i>	795.86	
<i>For Steel Armored Cable, Add</i>	1,090.93	
27 15 23 00-0026 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,060.92	375.52
27 15 23 00-0027 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,682.77	375.52
<i>For Aluminum Armored Cable, Add</i>	669.26	
<i>For Steel Armored Cable, Add</i>	1,053.72	
27 15 23 00-0028 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,946.54	438.11
27 15 23 00-0029 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,194.78	438.11
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,024.86	
<i>For Steel Armored Cable, Add</i>	1,024.86	
27 15 23 00-0030 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,427.08	438.11
27 15 23 00-0031 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,659.38	438.11
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,828.89	
27 15 23 00-0032 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,891.68	438.11
27 15 23 00-0033 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,123.98	438.11
27 15 23 00-0034 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,604.52	438.11
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	7,876.83	
27 15 23 00-0035 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	23,173.43	500.70
27 15 23 00-0036 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	27,638.03	500.70
<b>27 15 23 00-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)</b>		
27 15 23 00-0038 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	983.20	375.52
27 15 23 00-0039 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,161.62	375.52
27 15 23 00-0040 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,479.72	375.52
27 15 23 00-0041 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,814.57	375.52
27 15 23 00-0042 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,132.67	375.52
27 15 23 00-0043 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,785.62	375.52
27 15 23 00-0044 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,057.35	438.11
27 15 23 00-0045 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,418.01	438.11
27 15 23 00-0046 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,761.92	438.11



<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0047 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	10,105.84	438.11
27 15 23 00-0048 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	12,449.76	438.11
27 15 23 00-0049 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	14,793.67	438.11
27 15 23 00-0050 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	19,498.24	438.11
27 15 23 00-0051 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	24,290.38	500.70
27 15 23 00-0052 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	28,978.21	500.70
<b>27 15 23 00-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0003)</small>		
<b>27 15 23 00-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0053)</small>		
27 15 23 00-0055 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,813.68	375.52
27 15 23 00-0056 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,165.63	375.52
27 15 23 00-0057 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,939.93	375.52
27 15 23 00-0058 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,309.44	375.52
27 15 23 00-0059 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,826.86	375.52
27 15 23 00-0060 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	6,141.36	438.11
27 15 23 00-0061 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,763.26	438.11
27 15 23 00-0062 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	10,980.62	438.11
27 15 23 00-0063 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	13,488.25	438.11
<b>27 15 23 00-0064 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0053)</small>		
27 15 23 00-0065 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,353.18	375.52
27 15 23 00-0066 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,897.79	375.52
27 15 23 00-0067 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,795.74	375.52
27 15 23 00-0068 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,130.33	375.52
27 15 23 00-0069 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,684.55	375.52
27 15 23 00-0070 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,627.99	438.11
27 15 23 00-0071 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	9,628.10	438.11
27 15 23 00-0072 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	10,995.57	438.11
27 15 23 00-0073 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	16,866.52	438.11
<b>27 15 23 00-0074 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0053)</small>		
27 15 23 00-0075 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,439.54	375.52
27 15 23 00-0076 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,011.39	375.52
27 15 23 00-0077 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,954.23	375.52
27 15 23 00-0078 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,355.56	375.52
27 15 23 00-0079 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,937.48	375.52
27 15 23 00-0080 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,972.88	438.11
27 15 23 00-0081 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	10,072.99	438.11
27 15 23 00-0082 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	11,508.84	438.11
27 15 23 00-0083 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	17,673.34	438.11
<b>27 15 23 00-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0002)</small>		
<b>27 15 23 00-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0084)</small>		
<b>27 15 23 00-0086 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0085)</small>		
27 15 23 00-0087 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	994.27	375.52
27 15 23 00-0088 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	999.83	375.52
27 15 23 00-0089 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,291.68	375.52

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0090 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit ..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i>	1,325.83 875.86 5,287.11	375.52
27 15 23 00-0091 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,497.74	375.52
27 15 23 00-0092 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit ..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i>	1,529.91 891.26 5,651.38	375.52
27 15 23 00-0093 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,677.38	438.11
27 15 23 00-0094 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit ..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i>	4,782.58 1,102.58 5,452.20	438.11
27 15 23 00-0095 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,707.92	438.11
27 15 23 00-0096 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit ..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i>	7,913.98 1,690.49 6,490.98	438.11
27 15 23 00-0097 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	9,590.94	438.11
27 15 23 00-0098 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	11,381.40	438.11
27 15 23 00-0099 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	15,102.33	438.11
<b>27 15 23 00-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0085)</small>		
27 15 23 00-0101 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	964.36	375.52
27 15 23 00-0102 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,399.72	375.52
27 15 23 00-0103 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,873.78	375.52
27 15 23 00-0104 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit ..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i>	2,357.35 199.28 559.61	375.52
27 15 23 00-0105 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,820.70	375.52
27 15 23 00-0106 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit ..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i>	3,223.28 104.19 513.21	375.52
27 15 23 00-0107 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,119.97	438.11
27 15 23 00-0108 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit ..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i>	7,558.54 2,028.51 4,731.08	438.11
27 15 23 00-0109 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	10,972.72	438.11
27 15 23 00-0110 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit ..... <i>For Aluminum Armored Cable With Sub-Units, Add</i>	14,386.90 6,023.59	438.11
27 15 23 00-0111 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	17,801.08	438.11
27 15 23 00-0112 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	21,215.26	438.11
27 15 23 00-0113 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit ..... <i>For Aluminum Armored Cable With Sub-Units, Add</i>	28,068.01 12,047.18	438.11
<b>27 15 23 00-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0085)</small>		
27 15 23 00-0115 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	981.28	375.52
27 15 23 00-0116 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,438.41	375.52
27 15 23 00-0117 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,936.17	375.52
27 15 23 00-0118 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,443.92	375.52
27 15 23 00-0119 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,930.44	375.52
27 15 23 00-0120 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,353.15	375.52
27 15 23 00-0121 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,289.46	438.11
27 15 23 00-0122 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,899.96	438.11
27 15 23 00-0123 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	11,484.85	438.11
27 15 23 00-0124 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	15,069.74	438.11
27 15 23 00-0125 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	18,654.62	438.11
27 15 23 00-0126 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	22,239.51	438.11





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0127 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	29,434.90	438.11
<b>27 15 23 00-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0084)</small>		
<b>27 15 23 00-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0128)</small>		
27 15 23 00-0130 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,890.04	375.52
27 15 23 00-0131 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,318.26	375.52
27 15 23 00-0132 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,347.70	375.52
27 15 23 00-0133 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,356.59	375.52
27 15 23 00-0134 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,966.76	375.52
27 15 23 00-0135 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,951.17	438.11
27 15 23 00-0136 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,385.15	438.11
27 15 23 00-0137 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	17,418.33	438.11
27 15 23 00-0138 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	21,753.15	438.11
<b>27 15 23 00-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0128)</small>		
27 15 23 00-0140 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,000.14	375.52
27 15 23 00-0141 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	6,277.56	375.52
27 15 23 00-0142 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	8,557.69	375.52
27 15 23 00-0143 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	9,719.78	375.52
27 15 23 00-0144 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	11,522.54	375.52
27 15 23 00-0145 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	15,801.35	438.11
27 15 23 00-0146 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	18,589.78	438.11
27 15 23 00-0147 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	20,525.82	438.11
27 15 23 00-0148 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	32,921.02	438.11
<b>27 15 23 00-0149 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0128)</small>		
27 15 23 00-0150 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,218.86	375.52
27 15 23 00-0151 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	6,560.14	375.52
27 15 23 00-0152 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	8,954.28	375.52
27 15 23 00-0153 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	10,174.48	375.52
27 15 23 00-0154 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	12,067.38	375.52
27 15 23 00-0155 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	16,554.90	438.11
27 15 23 00-0156 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	19,482.76	438.11
27 15 23 00-0157 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	21,515.60	438.11
27 15 23 00-0158 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	34,530.56	438.11
<b>27 15 23 00-0159 Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0001)</small>		
Note: For non-conduit installations such as cable trays, surface runways, etc.		
<b>27 15 23 00-0160 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0159)</small>		
<b>27 15 23 00-0161 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0160)</small>		
<b>27 15 23 00-0162 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0161)</small>		
27 15 23 00-0163 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,147.63	500.70
For Work In Restricted Working Space, Add		250.35
27 15 23 00-0164 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,242.00	500.70
For Work In Restricted Working Space, Add		250.35
27 15 23 00-0165 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,273.51	500.70
For Work In Restricted Working Space, Add		250.35

## 27 Communications

## 27 10 Structured Cabling

## 27 15 Communications Horizontal Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0166 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,385.73	500.70
For Aluminum Armored Cable, Add	1,228.66	
For Steel Armored Cable, Add	3,123.02	
For Work In Restricted Working Space, Add	250.35	
27 15 23 00-0167 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,417.90	500.70
For Work In Restricted Working Space, Add	250.35	
27 15 23 00-0168 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,612.38	500.70
For Aluminum Armored Cable, Add	1,350.79	
For Steel Armored Cable, Add	3,412.91	
For Work In Restricted Working Space, Add	250.35	
27 15 23 00-0169 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,658.00	563.28
For Work In Restricted Working Space, Add	281.64	
27 15 23 00-0170 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,696.86	563.28
For Aluminum Armored Cable With Sub-Units, Add	1,782.88	
For Steel Armored Cable, Add	5,773.15	
For Work In Restricted Working Space, Add	281.64	
27 15 23 00-0171 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	4,486.41	563.28
For Aluminum Armored Cable With Sub-Units, Add	1,879.49	
For Steel Armored Cable, Add	5,970.79	
For Work In Restricted Working Space, Add	281.64	
27 15 23 00-0172 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	4,639.54	563.28
For Aluminum Armored Cable With Sub-Units, Add	1,971.96	
For Steel Armored Cable, Add	6,243.21	
For Work In Restricted Working Space, Add	281.64	
27 15 23 00-0173 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	5,605.20	563.28
For Work In Restricted Working Space, Add	281.64	
27 15 23 00-0174 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	5,862.00	563.28
For Work In Restricted Working Space, Add	281.64	
27 15 23 00-0175 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	7,212.77	563.28
For Work In Restricted Working Space, Add	281.64	
27 15 23 00-0176 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	9,639.11	625.87
For Work In Restricted Working Space, Add	312.93	
27 15 23 00-0177 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	11,481.11	625.87
For Work In Restricted Working Space, Add	312.93	
<b>27 15 23 00-0178 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0161)</b>		
27 15 23 00-0179 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,174.81	500.70
For Work In Restricted Working Space, Add	250.35	
27 15 23 00-0180 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,344.73	500.70
For Work In Restricted Working Space, Add	250.35	
27 15 23 00-0181 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,647.69	500.70
For Work In Restricted Working Space, Add	250.35	
27 15 23 00-0182 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,966.59	500.70
For Aluminum Armored Cable, Add	795.86	
For Steel Armored Cable, Add	1,090.93	
For Work In Restricted Working Space, Add	250.35	
27 15 23 00-0183 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,269.54	500.70
For Work In Restricted Working Space, Add	250.35	
27 15 23 00-0184 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,891.39	500.70
For Aluminum Armored Cable, Add	669.26	
For Steel Armored Cable, Add	1,053.72	
For Work In Restricted Working Space, Add	250.35	
27 15 23 00-0185 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,155.16	563.28
For Work In Restricted Working Space, Add	281.64	
27 15 23 00-0186 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	5,403.40	563.28
For Aluminum Armored Cable With Sub-Units, Add	1,024.86	
For Steel Armored Cable, Add	1,024.86	
For Work In Restricted Working Space, Add	281.64	
27 15 23 00-0187 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	7,635.70	563.28
For Work In Restricted Working Space, Add	281.64	
27 15 23 00-0188 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	9,868.00	563.28
For Aluminum Armored Cable With Sub-Units, Add	1,828.89	
For Work In Restricted Working Space, Add	281.64	
27 15 23 00-0189 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	12,100.30	563.28
For Work In Restricted Working Space, Add	281.64	
27 15 23 00-0190 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	14,332.60	563.28
For Work In Restricted Working Space, Add	281.64	
27 15 23 00-0191 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	18,813.14	563.28
For Aluminum Armored Cable With Sub-Units, Add	7,876.83	
For Work In Restricted Working Space, Add	281.64	
27 15 23 00-0192 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	23,382.05	625.87
For Work In Restricted Working Space, Add	312.93	
27 15 23 00-0193 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	27,846.65	625.87
For Work In Restricted Working Space, Add	312.93	

**27 15 23 00-0194 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0161)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0195 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,191.82	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0196 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,370.24	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0197 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,688.34	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0198 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,023.19	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0199 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,341.29	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0200 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,994.24	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0201 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,265.97	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0202 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	5,626.63	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0203 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	7,970.54	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0204 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	10,314.46	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0205 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	12,658.38	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0206 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	15,002.29	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0207 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	19,706.86	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0208 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	24,499.00	625.87
<i>For Work In Restricted Working Space, Add</i>	312.93	
27 15 23 00-0209 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	29,186.83	625.87
<i>For Work In Restricted Working Space, Add</i>	312.93	
<b>27 15 23 00-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0160)</small>		
<b>27 15 23 00-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0210)</small>		
27 15 23 00-0212 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,022.30	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0213 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,374.25	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0214 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,148.55	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0215 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,518.06	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0216 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	6,035.48	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0217 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	6,349.98	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0218 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	7,971.88	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0219 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	11,189.24	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0220 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	13,696.87	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
<b>27 15 23 00-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0210)</small>		
27 15 23 00-0222 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,561.80	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0223 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,106.41	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0224 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	4,004.36	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0225 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	5,338.95	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0226 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	5,893.17	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 15</b>	<b>Communications Horizontal Cabling</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0227 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,836.61 281.64	563.28
27 15 23 00-0228 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,836.72 281.64	563.28
27 15 23 00-0229 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	11,204.19 281.64	563.28
27 15 23 00-0230 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	17,075.14 281.64	563.28
<b>27 15 23 00-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0210)</small>		
27 15 23 00-0232 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,648.16 250.35	500.70
27 15 23 00-0233 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,220.01 250.35	500.70
27 15 23 00-0234 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,162.85 250.35	500.70
27 15 23 00-0235 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,564.18 250.35	500.70
27 15 23 00-0236 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,146.10 250.35	500.70
27 15 23 00-0237 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,181.50 281.64	563.28
27 15 23 00-0238 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	10,281.61 281.64	563.28
27 15 23 00-0239 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	11,717.46 281.64	563.28
27 15 23 00-0240 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	17,881.96 281.64	563.28
27 15 23 00-0241 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0159)</small>		
27 15 23 00-0242 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0241)</small>		
27 15 23 00-0243 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0242)</small>		
27 15 23 00-0244 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,202.89 250.35	500.70
27 15 23 00-0245 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,208.45 250.35	500.70
27 15 23 00-0246 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,500.30 250.35	500.70
27 15 23 00-0247 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,534.45 875.86 5,287.11 250.35	500.70
27 15 23 00-0248 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,706.36 250.35	500.70
27 15 23 00-0249 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,738.53 891.26 5,651.38 250.35	500.70
27 15 23 00-0250 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,886.00 281.64	563.28
27 15 23 00-0251 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,991.20 1,102.58 5,452.20 281.64	563.28
27 15 23 00-0252 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,916.54 281.64	563.28
27 15 23 00-0253 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,122.60 1,690.49 6,490.98 281.64	563.28
27 15 23 00-0254 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,799.56 281.64	563.28
27 15 23 00-0255 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	11,590.02 281.64	563.28
27 15 23 00-0256 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	15,310.95 281.64	563.28
27 15 23 00-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0242)</small>		



<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Horizontal Cabling</b>	<b>27 15</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0258 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,172.98	500.70
<i>For Work In Restricted Working Space, Add</i> Exposed .....	250.35	
27 15 23 00-0259 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,608.34	500.70
<i>For Work In Restricted Working Space, Add</i> Exposed .....	250.35	
27 15 23 00-0260 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,082.40	500.70
<i>For Work In Restricted Working Space, Add</i> Exposed .....	250.35	
27 15 23 00-0261 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,565.97	500.70
<i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i> Exposed .....	199.28 559.61 250.35	
27 15 23 00-0262 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,029.32	500.70
<i>For Work In Restricted Working Space, Add</i> Exposed .....	250.35	
27 15 23 00-0263 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,431.90	500.70
<i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i> Exposed .....	104.19 513.21 250.35	
27 15 23 00-0264 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	4,328.59	563.28
<i>For Work In Restricted Working Space, Add</i> Exposed .....	281.64	
27 15 23 00-0265 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	7,767.16	563.28
<i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i> Exposed .....	2,028.51 4,731.08 281.64	
27 15 23 00-0266 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	11,181.34	563.28
<i>For Work In Restricted Working Space, Add</i> Exposed .....	281.64	
27 15 23 00-0267 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	14,595.52	563.28
<i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i> Exposed .....	6,023.59 281.64	
27 15 23 00-0268 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	18,009.70	563.28
<i>For Work In Restricted Working Space, Add</i> Exposed .....	281.64	
27 15 23 00-0269 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	21,423.88	563.28
<i>For Work In Restricted Working Space, Add</i> <i>For Work In Restricted Working Space, Add</i> Exposed .....	281.64 281.64	
27 15 23 00-0270 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	28,276.63	563.28
<i>For Work In Restricted Working Space, Add</i> <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i> Exposed .....	281.64 12,047.18 281.64	
<b>27 15 23 00-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0242)</small>		
27 15 23 00-0272 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,189.90	500.70
<i>For Work In Restricted Working Space, Add</i> Exposed .....	250.35	
27 15 23 00-0273 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,647.03	500.70
<i>For Work In Restricted Working Space, Add</i> Exposed .....	250.35	
27 15 23 00-0274 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,144.79	500.70
<i>For Work In Restricted Working Space, Add</i> Exposed .....	250.35	
27 15 23 00-0275 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,652.54	500.70
<i>For Work In Restricted Working Space, Add</i> Exposed .....	250.35	
27 15 23 00-0276 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,139.06	500.70
<i>For Work In Restricted Working Space, Add</i> Exposed .....	250.35	
27 15 23 00-0277 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,561.77	500.70
<i>For Work In Restricted Working Space, Add</i> Exposed .....	250.35	
27 15 23 00-0278 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	4,498.08	563.28
<i>For Work In Restricted Working Space, Add</i> Exposed .....	281.64	
27 15 23 00-0279 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	8,108.58	563.28
<i>For Work In Restricted Working Space, Add</i> Exposed .....	281.64	
27 15 23 00-0280 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	11,693.47	563.28
<i>For Work In Restricted Working Space, Add</i> Exposed .....	281.64	
27 15 23 00-0281 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	15,278.36	563.28
<i>For Work In Restricted Working Space, Add</i> Exposed .....	281.64	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0282 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	18,863.24	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0283 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	22,448.13	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0284 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	29,643.52	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
<b>27 15 23 00-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0241)</small>		
<b>27 15 23 00-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0285)</small>		
27 15 23 00-0287 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,098.66	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0288 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,526.88	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0289 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,556.32	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0290 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,565.21	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0291 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,175.38	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0292 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,159.79	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0293 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	14,593.77	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0294 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	17,626.95	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0295 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	21,961.77	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
<b>27 15 23 00-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0285)</small>		
27 15 23 00-0297 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,208.76	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0298 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,486.18	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0299 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,766.31	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0300 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,928.40	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0301 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	11,731.16	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0302 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,009.97	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0303 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	18,798.40	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0304 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	20,734.44	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0305 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	33,129.64	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
<b>27 15 23 00-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0285)</small>		
27 15 23 00-0307 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,427.48	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0308 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,768.76	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0309 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,162.90	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0310 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,383.10	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0311 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,276.00	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0312 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,763.52	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	



<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Horizontal Cabling</b>	<b>27 15</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0313 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	19,691.38 281.64	563.28
27 15 23 00-0314 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	21,724.22 281.64	563.28
27 15 23 00-0315 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	34,739.18 281.64	563.28
<b>27 15 23 00-0316 Hybrid, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0001)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
<b>27 15 23 00-0317 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0316)</small>		
27 15 23 00-0318 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	1,392.83	375.52
27 15 23 00-0319 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	2,430.11	375.52
27 15 23 00-0320 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	5,728.34	438.11
27 15 23 00-0321 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	9,099.26	438.11
<b>27 15 23 00-0322 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0316)</small>		
27 15 23 00-0323 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	1,679.79	375.52
27 15 23 00-0324 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	2,470.49	375.52
27 15 23 00-0325 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	6,821.45	438.11
27 15 23 00-0326 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	11,853.76	438.11
<b>27 15 23 00-0327 Hybrid, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0001)</small> Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
<b>27 15 23 00-0328 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0327)</small>		
27 15 23 00-0329 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,601.45 250.35	500.70
27 15 23 00-0330 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,638.73 250.35	500.70
27 15 23 00-0331 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	5,936.96 281.64	563.28
27 15 23 00-0332 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	9,307.88 281.64	563.28
<b>27 15 23 00-0333 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0327)</small>		
27 15 23 00-0334 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,888.41 250.35	500.70
27 15 23 00-0335 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,679.11 250.35	500.70
27 15 23 00-0336 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	7,030.07 281.64	563.28
27 15 23 00-0337 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	12,062.38 281.64	563.28
<b>27 15 23 00-0338 Outdoor Fiber Optic Cable</b> <small>(27 15 23)</small> Note: Cable buried in trench excludes excavation.		
<b>27 15 23 00-0339 Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0338)</small> Note: Excludes conduit or innerduct.		
<b>27 15 23 00-0340 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0339)</small>		
<b>27 15 23 00-0341 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0340)</small>		

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0342 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,813.75 274.52	751.04
27 15 23 00-0343 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,847.92 276.79	751.04
27 15 23 00-0344 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,882.15 278.99	751.04
27 15 23 00-0345 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,916.35 281.67	751.04
27 15 23 00-0346 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,984.30 254.87	751.04
27 15 23 00-0347 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,123.31 283.96	751.04
27 15 23 00-0348 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,194.77 223.55	751.04
27 15 23 00-0349 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,216.81 261.29	751.04
27 15 23 00-0350 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,625.76 287.46	751.04
27 15 23 00-0351 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,851.22 287.44	751.04
27 15 23 00-0352 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,143.74 339.73	751.04
27 15 23 00-0353 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,658.72 326.17	751.04
27 15 23 00-0354 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,221.40 396.07	751.04
27 15 23 00-0355 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,810.30 265.13	751.04
<b>27 15 23 00-0356 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0340)</small>		
27 15 23 00-0357 MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,229.58 94.66	751.04
27 15 23 00-0358 MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,285.07 135.42	751.04
27 15 23 00-0359 MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,401.36 197.88	751.04
27 15 23 00-0360 MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,559.93 80.56	751.04
27 15 23 00-0361 MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,626.00 110.74	751.04
27 15 23 00-0362 MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,850.63 147.36	751.04
27 15 23 00-0363 MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,326.34 139.15	751.04
27 15 23 00-0364 MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,026.68 277.56	751.04
27 15 23 00-0365 MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,806.31 199.18	751.04
27 15 23 00-0366 MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,348.08 331.16	751.04
27 15 23 00-0367 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,048.42 840.82	751.04
27 15 23 00-0368 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,673.74 480.50	751.04
27 15 23 00-0369 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,285.85 587.14	751.04
27 15 23 00-0370 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,897.96 707.53	751.04
<b>27 15 23 00-0371 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0340)</small>		
27 15 23 00-0372 MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,576.61 117.40	751.04
27 15 23 00-0373 MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,689.47 125.89	751.04
27 15 23 00-0374 MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,802.17 134.18	751.04
27 15 23 00-0375 MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,941.38 152.76	751.04
27 15 23 00-0376 MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,140.76 159.30	751.04
27 15 23 00-0377 MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,493.26 169.77	751.04
27 15 23 00-0378 MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,827.17 195.24	751.04
27 15 23 00-0379 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,466.22 216.96	751.04
27 15 23 00-0380 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,213.69 249.46	751.04





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0381 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,904.07 268.43	751.04
27 15 23 00-0382 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,632.74 303.82	751.04
27 15 23 00-0383 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,106.49 341.60	751.04
27 15 23 00-0384 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,603.90 387.68	751.04
27 15 23 00-0385 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,124.42 356.11	751.04
<b>27 15 23 00-0386 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0389)</small>		
<b>27 15 23 00-0387 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0386)</small>		
27 15 23 00-0388 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,009.47 216.94	751.04
27 15 23 00-0389 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,076.11 311.37	751.04
27 15 23 00-0390 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,096.11 298.40	751.04
27 15 23 00-0391 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,175.95 248.41	751.04
27 15 23 00-0392 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,200.86 296.89	751.04
27 15 23 00-0393 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,312.74 281.58	751.04
27 15 23 00-0394 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,413.06 284.92	751.04
27 15 23 00-0395 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,573.09 361.31	751.04
27 15 23 00-0396 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,798.55 366.03	751.04
27 15 23 00-0397 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,023.14 379.21	751.04
27 15 23 00-0398 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,327.62 326.18	751.04
27 15 23 00-0399 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,820.14 425.39	751.04
27 15 23 00-0400 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,464.48 418.87	751.04
27 15 23 00-0401 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,991.76 334.59	751.04
<b>27 15 23 00-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0386)</small>		
27 15 23 00-0403 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,234.14 307.00	751.04
27 15 23 00-0404 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,467.46 171.92	751.04
27 15 23 00-0405 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,774.46 36.84	751.04
27 15 23 00-0406 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,921.82 61.40	751.04
27 15 23 00-0407 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,069.18 61.40	751.04
27 15 23 00-0408 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,413.02 73.68	751.04
27 15 23 00-0409 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,720.02 282.44	751.04
27 15 23 00-0410 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,383.14 552.60	751.04
27 15 23 00-0411 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,046.26 921.00	751.04
27 15 23 00-0412 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,598.86 1,013.10	751.04
27 15 23 00-0413 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,323.38 1,289.40	751.04
27 15 23 00-0414 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,833.82 1,903.40	751.04
27 15 23 00-0415 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,595.18 1,436.76	751.04
27 15 23 00-0416 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,547.70 3,499.80	751.04
<b>27 15 23 00-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0386)</small>		
27 15 23 00-0418 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,652.82 147.36	751.04

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0419 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,763.34 159.29	751.04
27 15 23 00-0420 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,873.68 171.22	751.04
27 15 23 00-0421 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,984.20 183.13	751.04
27 15 23 00-0422 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,270.49 196.97	751.04
27 15 23 00-0423 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,551.22 230.82	751.04
27 15 23 00-0424 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,895.22 250.71	751.04
27 15 23 00-0425 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,561.06 309.76	751.04
27 15 23 00-0426 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,239.34 354.90	751.04
27 15 23 00-0427 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,919.96 395.21	751.04
27 15 23 00-0428 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,635.62 440.71	751.04
27 15 23 00-0429 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,087.89 519.66	751.04
27 15 23 00-0430 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,962.35 537.20	751.04
27 15 23 00-0431 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,060.86 554.56	751.04
<b>27 15 23 00-0432 Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0432)</small> Note: Excludes trenching.		
<b>27 15 23 00-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0433)</small>		
<b>27 15 23 00-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0434)</small>		
27 15 23 00-0435 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,709.44 274.52	
27 15 23 00-0436 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,743.61 276.79	
27 15 23 00-0437 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,777.84 278.99	
27 15 23 00-0438 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,812.04 281.67	
27 15 23 00-0439 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,879.99 254.87	
27 15 23 00-0440 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,019.00 283.96	
27 15 23 00-0441 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,090.46 223.55	
27 15 23 00-0442 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,112.50 261.29	
27 15 23 00-0443 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,521.45 287.46	
27 15 23 00-0444 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,034.35 287.44	
27 15 23 00-0445 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,379.16 339.73	
27 15 23 00-0446 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,554.41 326.17	
27 15 23 00-0447 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,117.09 396.07	
27 15 23 00-0448 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,705.99 265.13	
<b>27 15 23 00-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0449)</small>		
27 15 23 00-0450 MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,125.27 94.66	
27 15 23 00-0451 MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,180.76 135.42	
27 15 23 00-0452 MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,297.05 197.88	
27 15 23 00-0453 MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,455.62 80.56	
27 15 23 00-0454 MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,521.69 110.74	
27 15 23 00-0455 MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,746.32 147.36	
27 15 23 00-0456 MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,222.03 139.15	
27 15 23 00-0457 MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,922.37 277.56	



<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Horizontal Cabling</b>	<b>27 15</b>

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0458 MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,702.00 199.18	
27 15 23 00-0459 MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,243.77 331.16	
27 15 23 00-0460 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,944.11 840.82	
27 15 23 00-0461 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,569.43 480.50	
27 15 23 00-0462 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,181.54 587.14	
27 15 23 00-0463 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,793.65 707.53	
<b>27 15 23 00-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0433)</small>		
27 15 23 00-0465 MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,472.30 117.40	
27 15 23 00-0466 MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,585.16 125.89	
27 15 23 00-0467 MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,697.86 134.18	
27 15 23 00-0468 MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,837.07 152.76	
27 15 23 00-0469 MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,036.45 159.30	
27 15 23 00-0470 MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,388.95 169.77	
27 15 23 00-0471 MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,722.86 195.24	
27 15 23 00-0472 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,361.91 216.96	
27 15 23 00-0473 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,109.38 249.46	
27 15 23 00-0474 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,799.76 268.43	
27 15 23 00-0475 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,528.43 303.82	
27 15 23 00-0476 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,002.18 341.60	
27 15 23 00-0477 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,499.59 387.68	
27 15 23 00-0478 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,020.11 356.11	
<b>27 15 23 00-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0432)</small>		
<b>27 15 23 00-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0479)</small>		
27 15 23 00-0481 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,905.16 216.94	
27 15 23 00-0482 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,971.80 311.37	
27 15 23 00-0483 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,991.80 298.40	
27 15 23 00-0484 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,071.64 248.41	
27 15 23 00-0485 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,096.55 296.89	
27 15 23 00-0486 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,208.43 281.58	
27 15 23 00-0487 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,308.75 284.92	
27 15 23 00-0488 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,468.78 361.31	
27 15 23 00-0489 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,694.24 366.03	
27 15 23 00-0490 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,918.83 379.21	
27 15 23 00-0491 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,223.31 326.18	
27 15 23 00-0492 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,715.83 425.39	
27 15 23 00-0493 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,360.17 418.87	
27 15 23 00-0494 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,887.45 334.59	
<b>27 15 23 00-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0479)</small>		

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0496 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,129.83 307.00	
27 15 23 00-0497 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,363.15 171.92	
27 15 23 00-0498 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,670.15 36.84	
27 15 23 00-0499 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,817.51 61.40	
27 15 23 00-0500 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,964.87 61.40	
27 15 23 00-0501 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,308.71 73.68	
27 15 23 00-0502 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,615.71 282.44	
27 15 23 00-0503 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,278.83 552.60	
27 15 23 00-0504 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,941.95 921.00	
27 15 23 00-0505 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,494.55 1,013.10	
27 15 23 00-0506 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,219.07 1,289.40	
27 15 23 00-0507 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,729.51 1,903.40	
27 15 23 00-0508 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,490.87 1,436.76	
27 15 23 00-0509 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,443.39 3,499.80	
<b>27 15 23 00-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0479)</small>		
27 15 23 00-0511 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,548.51 147.36	
27 15 23 00-0512 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,659.03 159.29	
27 15 23 00-0513 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,769.37 171.22	
27 15 23 00-0514 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,879.89 183.13	
27 15 23 00-0515 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,166.18 196.97	
27 15 23 00-0516 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,446.91 230.82	
27 15 23 00-0517 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,790.91 250.71	
27 15 23 00-0518 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,456.75 309.76	
27 15 23 00-0519 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,135.03 354.90	
27 15 23 00-0520 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,815.65 395.21	
27 15 23 00-0521 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,531.31 440.71	
27 15 23 00-0522 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,983.58 519.66	
27 15 23 00-0523 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,530.83 537.20	
27 15 23 00-0524 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,956.55 554.56	
<b>27 15 23 00-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles</b> <small>(27 15 23 00-0338)</small>		
<b>27 15 23 00-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles</b> <small>(27 15 23 00-0525)</small>		
<b>27 15 23 00-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles</b> <small>(27 15 23 00-0526)</small>		
27 15 23 00-0528 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,702.52 183.61	2,953.14
27 15 23 00-0529 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,736.47 188.36	2,953.14
27 15 23 00-0530 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,770.88 192.99	2,953.14
27 15 23 00-0531 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,804.84 189.30	2,953.14
27 15 23 00-0532 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,872.79 220.68	2,953.14
27 15 23 00-0533 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,006.96 229.43	2,953.14
27 15 23 00-0534 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,109.29 253.58	2,953.14



<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Horizontal Cabling</b>	<b>27 15</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0535 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,352.58 243.14	2,953.14
27 15 23 00-0536 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,565.35 282.48	2,953.14
27 15 23 00-0537 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,741.23 270.87	2,953.14
27 15 23 00-0538 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,960.64 309.69	2,953.14
27 15 23 00-0539 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,536.48 314.54	2,953.14
27 15 23 00-0540 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,154.30 375.33	2,953.14
27 15 23 00-0541 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,302.41 403.02	2,953.14
<b>27 15 23 00-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0338)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
<b>27 15 23 00-0543 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0542)</small>		
27 15 23 00-0544 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	3,623.92	625.87
27 15 23 00-0545 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	4,618.12	625.87
27 15 23 00-0546 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	6,832.85	625.87
<b>27 15 23 00-0547 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0542)</small>		
27 15 23 00-0548 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	4,891.97	625.87
27 15 23 00-0549 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	5,456.96	625.87
27 15 23 00-0550 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	7,928.39	625.87
<b>27 15 23 00-0551 Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0338)</small> Note: Singlemode and multimode combination cable. Excludes trenching.		
<b>27 15 23 00-0552 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0551)</small>		
27 15 23 00-0553 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,519.61	573.71
27 15 23 00-0554 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,513.81	573.71
27 15 23 00-0555 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	6,728.54	573.71
<b>27 15 23 00-0556 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0551)</small>		
27 15 23 00-0557 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,787.66	573.71
27 15 23 00-0558 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	5,352.65	573.71
27 15 23 00-0559 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	7,824.08	573.71
<b>27 15 23 00-0560 Indoor/Outdoor Fiber Optic Cable</b> <small>(27 15 23)</small>		
<b>27 15 23 00-0561 Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0560)</small> Note: Excludes conduit or innerduct.		
<b>27 15 23 00-0562 Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0561)</small>		
<b>27 15 23 00-0563 Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0562)</small>		
27 15 23 00-0564 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,241.51	375.52
27 15 23 00-0565 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,349.22	375.52
27 15 23 00-0566 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,411.18	375.52
27 15 23 00-0567 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,616.70	375.52
27 15 23 00-0568 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,666.25	375.52
27 15 23 00-0569 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	1,829.05	375.52
27 15 23 00-0570 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	4,116.18	438.11
27 15 23 00-0571 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	5,217.55	438.11
27 15 23 00-0572 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	7,088.08	438.11
27 15 23 00-0573 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	7,409.07	438.11
27 15 23 00-0574 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	8,528.24	438.11

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0575 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	9,524.13	438.11
27 15 23 00-0576 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	11,047.81	438.11
27 15 23 00-0577 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	1,764.80	375.52
27 15 23 00-0578 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	1,964.07	375.52
27 15 23 00-0579 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	2,078.68	375.52
27 15 23 00-0580 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	2,458.90	375.52
27 15 23 00-0581 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	2,550.58	375.52
27 15 23 00-0582 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	2,851.75	375.52
27 15 23 00-0583 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	6,994.28	438.11
27 15 23 00-0584 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	9,031.82	438.11
27 15 23 00-0585 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	12,492.29	438.11
27 15 23 00-0586 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	13,086.13	438.11
27 15 23 00-0587 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	15,156.58	438.11
27 15 23 00-0588 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	16,998.99	438.11
27 15 23 00-0589 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	19,817.79	438.11
<b>27 15 23 00-0590 Indoor/Outdoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0560)</small>		
<small>Note: For non-conduit installations such as cable trays, surface runways, etc.</small>		
<b>27 15 23 00-0591 Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0590)</small>		
<b>27 15 23 00-0592 Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0591)</small>		
27 15 23 00-0593 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	1,450.13	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0594 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	1,557.84	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0595 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	1,619.80	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0596 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	1,825.32	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0597 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	1,874.87	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0598 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed.....	2,037.67	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0599 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed.....	4,324.80	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0600 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed.....	5,426.17	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0601 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed.....	7,296.70	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0602 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed.....	7,617.69	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0603 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed.....	8,736.86	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0604 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed.....	9,732.75	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0605 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed.....	11,256.43	563.28
<i>For Work In Restricted Working Space, Add</i>	281.64	
27 15 23 00-0606 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed.....	1,973.42	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0607 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed.....	2,172.69	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0608 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed.....	2,287.30	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0609 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed.....	2,667.52	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0610 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed.....	2,759.20	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	
27 15 23 00-0611 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed.....	3,060.37	500.70
<i>For Work In Restricted Working Space, Add</i>	250.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0612 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	7,202.90	563.28
<i>For Work In Restricted Working Space, Add</i> .....	281.64	
27 15 23 00-0613 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	9,240.44	563.28
<i>For Work In Restricted Working Space, Add</i> .....	281.64	
27 15 23 00-0614 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	12,700.91	563.28
<i>For Work In Restricted Working Space, Add</i> .....	281.64	
27 15 23 00-0615 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	13,294.75	563.28
<i>For Work In Restricted Working Space, Add</i> .....	281.64	
27 15 23 00-0616 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	15,365.20	563.28
<i>For Work In Restricted Working Space, Add</i> .....	281.64	
27 15 23 00-0617 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	17,207.61	563.28
<i>For Work In Restricted Working Space, Add</i> .....	281.64	
27 15 23 00-0618 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed .....	20,026.41	563.28
<i>For Work In Restricted Working Space, Add</i> .....	281.64	

**27 15 33 Communications Coaxial Horizontal Cabling (27 15)**

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 33 00-0001	Indoor Coaxial Cable (27 15 33)		
27 15 33 00-0002	Coaxial, Indoor Telecommunications Cable (27 15 33 00-0001)		
27 15 33 00-0003	Coaxial, Indoor Telecommunications Cable, Installed In Conduit (27 15 33 00-0002)		
27 15 33 00-0004	MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	1,196.16	438.11
27 15 33 00-0005	MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	2,525.28	438.11
27 15 33 00-0006	MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	1,058.88	500.70
27 15 33 00-0007	MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120).....	3,153.17	500.70
27 15 33 00-0008	Coaxial, Indoor Telecommunications Cable, Installed Exposed (27 15 33 00-0002)		
27 15 33 00-0009	MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108) .....	1,926.33	876.21
<i>For Work In Restricted Working Space, Add</i> .....	438.11		
27 15 33 00-0010	MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108).....	3,255.45	876.21
<i>For Work In Restricted Working Space, Add</i> .....	438.11		
27 15 33 00-0011	MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114) .....	1,893.37	1,001.38
<i>For Work In Restricted Working Space, Add</i> .....	500.69		
27 15 33 00-0012	MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120).....	3,987.66	1,001.38
<i>For Work In Restricted Working Space, Add</i> .....	500.69		
27 15 33 00-0013	Coaxial Distribution Cable (27 15 33 00-0001)		
Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal. For tasks installed in conduit, tasks exclude conduit.			
27 15 33 00-0014	MLF RG-6/U Coaxial Distribution Cable, Installed In Conduit.....	1,837.52	304.93
27 15 33 00-0015	MLF RG-6A/U Coaxial Distribution Cable, Installed In Conduit .....	6,308.53	304.93
27 15 33 00-0016	MLF RG-8/U Coaxial Distribution Cable, Installed In Conduit.....	3,419.82	322.08
27 15 33 00-0017	MLF RG-8A/U Coaxial Distribution Cable, Installed In Conduit .....	4,259.67	322.08
27 15 33 00-0018	MLF RG-11/U Coaxial Distribution Cable, Installed In Conduit.....	3,844.89	381.16
27 15 33 00-0019	MLF RG-11A/U Coaxial Distribution Cable, Installed In Conduit .....	5,469.08	381.16
27 15 33 00-0020	MLF RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	11,657.04	533.62
27 15 33 00-0021	MLF RG-58/U Coaxial Distribution Cable, Installed In Conduit.....	1,380.11	266.82
27 15 33 00-0022	MLF RG-58A/U Coaxial Distribution Cable, Installed In Conduit .....	1,546.53	266.82
27 15 33 00-0023	MLF RG-58C/U Coaxial Distribution Cable, Installed In Conduit .....	1,839.69	266.82
27 15 33 00-0024	MLF RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	4,421.61	533.62
27 15 33 00-0025	MLF RG-59/U Coaxial Distribution Cable, Installed In Conduit.....	2,157.61	266.82
27 15 33 00-0026	MLF RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	5,293.88	533.62
27 15 33 00-0027	MLF 1/2" Hard Line Coaxial, Installed In Conduit .....	1,900.62	381.16
27 15 33 00-0028	Outdoor Coaxial Cable (27 15 33)		
27 15 33 00-0029	Coaxial Cables "Television" Copper Covered Aluminum Center Core (27 15 33 00-0028)		
Note: Corrugated steel armor jacket.			
27 15 33 00-0030	MLF TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial.....	5,417.23	1,426.69
27 15 33 00-0031	MLF TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial.....	3,458.03	1,003.50
27 15 33 00-0032	MLF TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial.....	2,817.01	592.04
27 15 33 00-0033	MLF TV Coaxial Cable Drop 1/4" Diameter, Direct Burial.....	1,651.25	592.04
27 15 33 00-0034	MLF 1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit.....	2,483.86	925.08

**27 15 43 Communications Faceplates and Connectors (27 15)**

27 15 43 00-0001	Wall Mounted Telephone Faceplates (27 15 43)		
Note: Includes standard telephone mounting studs.			

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 15 43 00-0002 Plastic Faceplates For Wall Mounted Telephones</b> (27 15 43 00-0001)		
27 15 43 00-0003 EA Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones.....	38.19	13.04
<b>27 15 43 00-0004 Stainless Steel Faceplates For Wall Mounted Telephones</b> (27 15 43 00-0001)		
27 15 43 00-0005 EA Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	31.11	5.21
Note: Requires one snap-in modular jack.		
27 15 43 00-0006 EA Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	54.02	13.04
27 15 43 00-0007 EA Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	62.85	15.65
27 15 43 00-0008 EA Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	29.91	5.21
Note: Requires one snap-in modular jack.		
27 15 43 00-0009 EA Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	48.91	13.04
27 15 43 00-0010 EA Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	57.88	15.65
<b>27 15 43 00-0011 Plastic Communications Faceplates</b> (27 15 43)		
Note: Excludes modular jacks. See CSI section 27 15 43 00-0056 for modular jacks.		
27 15 43 00-0012 EA One Port, Single Gang, Plastic Communication Faceplate With Station ID.....	8.54	2.61
27 15 43 00-0013 EA Two Port, Single Gang, Plastic Communication Faceplate With Station ID.....	8.54	2.61
27 15 43 00-0014 EA Three Port, Single Gang, Plastic Communication Faceplate With Station ID.....	8.54	2.61
27 15 43 00-0015 EA Four Port, Single Gang, Plastic Communication Faceplate With Station ID.....	8.54	2.61
27 15 43 00-0016 EA Six Port, Single Gang, Plastic Communication Faceplate With Station ID.....	8.54	2.61
27 15 43 00-0017 EA Four Port, Double Gang, Plastic Communications Faceplate With Station ID.....	15.38	2.61
27 15 43 00-0018 EA Six Port, Double Gang, Plastic Communication Faceplate With Station ID.....	15.38	2.61
27 15 43 00-0019 EA Eight Port, Double Gang, Plastic Communication Faceplate With Station ID.....	15.38	2.61
27 15 43 00-0020 EA Nine Port, Double Gang, Plastic Communication Faceplate With Station ID.....	15.38	2.61
27 15 43 00-0021 EA Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID.....	15.38	2.61
<b>27 15 43 00-0022 Stainless Steel Communications Faceplates</b> (27 15 43)		
Note: Excludes modular jacks. See CSI section 27 15 43 00-0056 for modular jacks.		
<b>27 15 43 00-0023 Stainless Steel Communications Faceplates</b> (27 15 43 00-0022)		
27 15 43 00-0024 EA One Port, Single Gang, Stainless Steel Communications Faceplate.....	16.60	2.61
27 15 43 00-0025 EA Two Port, Single Gang, Stainless Steel Communications Faceplate.....	16.60	2.61
27 15 43 00-0026 EA Three Port, Single Gang, Stainless Steel Communications Faceplate.....	16.60	2.61
27 15 43 00-0027 EA Four Port, Single Gang, Stainless Steel Communications Faceplate.....	17.78	2.61
27 15 43 00-0028 EA Six Port, Single Gang, Stainless Steel Communications Faceplate.....	17.78	2.61
27 15 43 00-0029 EA Four Port, Double Gang, Stainless Steel Communications Faceplate.....	24.13	2.61
27 15 43 00-0030 EA Six Port, Double Gang, Stainless Steel Communications Faceplate.....	24.87	2.61
27 15 43 00-0031 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate.....	28.86	2.61
27 15 43 00-0032 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate.....	28.86	2.61
27 15 43 00-0033 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate.....	28.86	2.61
<b>27 15 43 00-0034 Stainless Steel Communications Faceplates With Station ID</b> (27 15 43 00-0022)		
27 15 43 00-0035 EA One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	23.98	2.61
27 15 43 00-0036 EA Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	23.98	2.61
27 15 43 00-0037 EA Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	23.98	2.61
27 15 43 00-0038 EA Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	23.98	2.61
27 15 43 00-0039 EA Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	23.98	2.61
27 15 43 00-0040 EA Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	52.20	2.61
27 15 43 00-0041 EA Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	52.20	2.61
27 15 43 00-0042 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	52.20	2.61
27 15 43 00-0043 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID.....	52.20	2.61
27 15 43 00-0044 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	52.20	2.61
<b>27 15 43 00-0045 Industrial Stainless Steel Communications Faceplates (Leviton® Duraport®)</b> (27 15 43 00-0022)		
Note: For twist-lock connector housings. Includes over-molded gasket and mounting holes with embedded sealing. Excludes connector housings.		
27 15 43 00-0046 EA One Port, Single Gang, Stainless Steel Communications Faceplate (Leviton® Duraport®).....	32.51	2.61
27 15 43 00-0047 EA Two Port, Single Gang, Stainless Steel Communications Faceplate (Leviton® Duraport®).....	32.51	2.61
27 15 43 00-0048 EA Two Port, Double Gang, Stainless Steel Communications Faceplate (Leviton® Duraport®).....	35.44	2.61
27 15 43 00-0049 EA Four Port, Double Gang, Stainless Steel Communications Faceplate (Leviton® Duraport®).....	35.44	2.61
<b>27 15 43 00-0050 Surface Mount Plastic Communication Boxes</b> (27 15 43)		
Note: Excludes modular jacks. See CSI section 27 15 43 00-0056 for modular jacks.		
27 15 43 00-0051 EA One Port, Surface Mount Plastic Communication Box With Station ID.....	30.34	13.07
27 15 43 00-0052 EA Two Port, Surface Mount Plastic Communication Box With Station ID.....	31.08	13.07
27 15 43 00-0053 EA Four Port, Surface Mount Plastic Communication Box With Station ID.....	36.18	13.07
27 15 43 00-0054 EA Six Port, Surface Mount Plastic Communication Box With Station ID.....	42.23	13.07
27 15 43 00-0055 EA Twelve Port, Surface Mount Plastic Communication Box With Station ID.....	48.59	13.07
<b>27 15 43 00-0056 Snap-In Modular Jacks</b> (27 15 43)		
Note: Includes termination.		
27 15 43 00-0057 EA Cat 3, Snap-In Modular Jack.....	29.32	10.45





<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0058 EA Category 5E, Snap-In Modular Jack.....	30.95	10.45
27 15 43 00-0059 EA Category 5E Shielded, Snap-In Modular Jack.....	35.82	10.45
27 15 43 00-0060 EA Cat 6, Snap-In Modular Jack.....	35.82	10.45
27 15 43 00-0061 EA Cat 6 Shielded, Snap-In Modular Jack.....	41.29	10.45
27 15 43 00-0062 EA Cat 6A, Snap-In Modular Jack.....	42.12	10.45
27 15 43 00-0063 EA Voice, RJ-11, Snap-In Modular Jack.....	22.10	5.22
27 15 43 00-0064 EA SC Type Fiber Optic, Snap-In Modular Jack.....	33.01	10.45
27 15 43 00-0065 EA ST Type Fiber Optic, Snap-In Modular Jack.....	37.15	10.45
27 15 43 00-0066 EA LC Type Fiber Optic, Snap-In Modular Jack.....	45.28	10.45
27 15 43 00-0067 EA Blank Fill In, Snap-In Modular Jack.....	5.99	2.61
27 15 43 00-0068 EA Open Cable Pass Through Insert, Snap-In Modular Jack.....	7.27	2.61
27 15 43 00-0069 EA Coaxial F-Type Coupler, Snap-In Modular Jack.....	24.69	7.83
Note: Includes female to female connection.		
<i>For Gold Bulkhead, Add</i>		
	1.58	
27 15 43 00-0070 EA RCA Jack Pass-Through Coupler, Snap-In Modular Jack.....	24.99	7.83
Note: Includes female to female connection.		
27 15 43 00-0071 EA RCA Solder Coupler, Snap-In Modular Jack.....	48.75	10.45
27 15 43 00-0072 EA RCA Jack With 110 Punch Down, Snap-In Modular Jack.....	60.72	10.45
27 15 43 00-0073 EA 3.5 m Mini Stereo Jack, Snap-In Modular Jack.....	30.50	10.45
27 15 43 00-0074 EA MT-RJ Pass-Through Coupler, Snap-In Modular Jack.....	33.32	5.22
27 15 43 00-0075 EA BNC Connector, Snap-In Modular Jack.....	35.38	10.45
27 15 43 00-0076 EA S-Video With 110 Punch Down, Snap-In Modular Jack.....	39.81	10.45
27 15 43 00-0077 PR Speaker Connectors, Snap-In Modular Jack.....	56.11	15.68
Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 15 43 00-0078 EA USB Audio Video Connector, Snap-In Modular Jack.....	60.20	10.45
<b>27 15 43 00-0079</b> <b>Twist-Lock Industrial Connector Housings (Leviton® Duraport®)</b> <small>(27 15 43)</small>		
Note: Includes jack, connector cap and termination.		
27 15 43 00-0080 EA Category 5E, Twist-Lock Industrial Connector Housing (Leviton® Duraport®).....	142.32	10.45
27 15 43 00-0081 EA Cat 6, Twist-Lock Industrial Connector Housing (Leviton® Duraport®).....	168.93	10.45
<b>27 15 53</b> <b>Communications Cable Innerduct</b> <small>(27 15)</small>		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 53 00-0001 Indoor Innerduct <small>(27 15 53)</small>		
27 15 53 00-0002 Indoor Innerduct, Installed In Conduit <small>(27 15 53 00-0001)</small>		
27 15 53 00-0003 Riser Rated, Indoor Innerduct, Installed In Conduit <small>(27 15 53 00-0002)</small>		
27 15 53 00-0004 MLF 1" Riser Rated, Indoor Innerduct, Installed In Conduit.....	4,238.45	1,564.67
27 15 53 00-0005 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit.....	5,470.34	2,086.22
27 15 53 00-0006 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	7,315.78	2,607.78
27 15 53 00-0007 MLF 2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	8,524.08	3,129.34
27 15 53 00-0008 Plenum Rated, Indoor Innerduct, Installed In Conduit <small>(27 15 53 00-0002)</small>		
27 15 53 00-0009 MLF 3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	6,505.37	1,043.11
27 15 53 00-0010 MLF 1" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	7,275.48	1,564.67
27 15 53 00-0011 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	9,165.46	2,086.22
27 15 53 00-0012 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	11,796.46	2,607.78
27 15 53 00-0013 MLF 2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	14,198.09	3,129.34
27 15 53 00-0014 Indoor Innerduct, Installed Exposed <small>(27 15 53 00-0001)</small>		
27 15 53 00-0015 Riser Rated, Indoor Innerduct, Installed Exposed <small>(27 15 53 00-0014)</small>		
27 15 53 00-0016 MLF 1" Riser Rated, Indoor Innerduct, Installed Exposed.....	5,281.56	2,086.22
<i>For Work In Restricted Working Space, Add</i>		
	1,251.74	
27 15 53 00-0017 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed.....	6,513.45	2,607.78
<i>For Work In Restricted Working Space, Add</i>		
	1,564.67	
27 15 53 00-0018 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed.....	8,358.89	3,129.34
<i>For Work In Restricted Working Space, Add</i>		
	1,877.60	
27 15 53 00-0019 MLF 2" Riser Rated, Indoor Innerduct, Installed Exposed.....	9,567.18	3,650.89
<i>For Work In Restricted Working Space, Add</i>		
	2,190.53	
27 15 53 00-0020 Plenum Rated, Indoor Innerduct, Installed Exposed <small>(27 15 53 00-0014)</small>		
27 15 53 00-0021 MLF 3/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	7,548.49	1,564.67
27 15 53 00-0022 MLF 1" Plenum Rated, Indoor Innerduct, Installed Exposed.....	8,318.59	2,086.22
<i>For Work In Restricted Working Space, Add</i>		
	1,251.74	
27 15 53 00-0023 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	10,208.57	2,607.78
<i>For Work In Restricted Working Space, Add</i>		
	1,564.67	
27 15 53 00-0024 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	12,839.57	3,129.34
<i>For Work In Restricted Working Space, Add</i>		
	1,877.60	
27 15 53 00-0025 MLF 2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	15,241.19	3,650.89
<i>For Work In Restricted Working Space, Add</i>		
	2,190.53	
27 15 53 00-0026 Outdoor Innerduct <small>(27 15 53)</small>		

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 15</b>	<b>Communications Horizontal Cabling</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 53 00-0027			<b>Outdoor Innerduct, Installed In Conduit</b> (27 15 53 00-0026)		
27 15 53 00-0028	MLF		1" Outdoor Innerduct, Installed In Conduit .....	3,955.27	1,564.67
27 15 53 00-0029	MLF		1-1/4" Outdoor Innerduct, Installed In Conduit .....	5,052.76	2,086.22
27 15 53 00-0030	MLF		1-1/2" Outdoor Innerduct, Installed In Conduit .....	6,471.45	2,607.78
27 15 53 00-0031	MLF		2" Outdoor Innerduct, Installed In Conduit .....	7,725.05	3,129.34
27 15 53 00-0032			<b>Outdoor Innerduct, Buried In Trench</b> (27 15 53 00-0026)		
27 15 53 00-0033	MLF		1" Outdoor Innerduct, Buried In Trench .....	2,912.15	
27 15 53 00-0034	MLF		1-1/4" Outdoor Innerduct, Buried In Trench .....	4,009.65	
27 15 53 00-0035	MLF		1-1/2" Outdoor Innerduct, Buried In Trench .....	5,428.34	
27 15 53 00-0036	MLF		2" Outdoor Innerduct, Buried In Trench .....	6,681.94	
27 16			<b>Communications Connecting Cords, Devices, and Adapters</b> (27 16)		
27 16 16			<b>Communications Media Converters, Adapters, and Transceivers</b> (27 16)		
27 16 16 00-0001			<b>Fiber Optic Receivers</b> (27 16 16)		
27 16 16 00-0002	EA		Fiber Optic Receiver, Range 6.2 Miles .....	791.49	52.15
27 16 16 00-0003			<b>Fiber Optic Transmitters</b> (27 16 16)		
27 16 16 00-0004	EA		Fiber Optic Transmitter, Range 6.2 Miles .....	791.48	52.15
27 16 16 00-0005			<b>Fiber Optic Repeaters</b> (27 16 16)		
			Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0006	EA		Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power .....	895.80	104.31
27 16 16 00-0007	EA		Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power .....	1,408.30	208.63
27 16 16 00-0008			<b>Fiber Optic Transceivers</b> (27 16 16)		
27 16 16 00-0009	EA		Fiber Optic Transceivers, 3,000 Miles Range .....	942.16	208.63
27 16 16 00-0010	EA		Fiber Optic Transceivers, Digital 2,000 Miles Range .....	942.16	208.63
27 16 16 00-0011	EA		Fiber Optic Ethernet Transceiver .....	1,236.68	312.93
27 16 16 00-0012	EA		Transceiver (Low Cost Bi- Directional).....	446.88	78.23
27 16 19			<b>Communications Patch Cords, Station Cords, and Cross Connect Wire</b> (27 16)		
27 16 19 00-0001			<b>Cross Connect Wire</b> (27 16 19)		
			Note: Up to 20' length.		
27 16 19 00-0002	EA		2-Pair Cross Connect Wire .....	16.66	
27 16 19 00-0003	EA		3-Pair Cross Connect Wire .....	22.31	
27 16 19 00-0004	EA		4-Pair Cross Connect Wire .....	27.90	
27 16 19 00-0005			<b>Fiber Optic Patch Cords</b> (27 16 19)		
27 16 19 00-0006			<b>Simplex Fiber Optic Patch Cables</b> (27 16 19 00-0005)		
27 16 19 00-0007			<b>Singlemode, Simplex Fiber Optic Patch Cables</b> (27 16 19 00-0006)		
27 16 19 00-0008	EA		ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	50.90	
			For Each Additional Meter In Length, Add .....	0.26	
27 16 19 00-0009	EA		ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable .....	41.13	
			For Each Additional Meter In Length, Add .....	0.26	
27 16 19 00-0010	EA		ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	53.84	
			For Each Additional Meter In Length, Add .....	0.26	
27 16 19 00-0011	EA		SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	43.36	
			For Each Additional Meter In Length, Add .....	0.26	
27 16 19 00-0012	EA		SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable .....	50.50	
			For Each Additional Meter In Length, Add .....	0.26	
27 16 19 00-0013	EA		LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	49.71	
			For Each Additional Meter In Length, Add .....	0.26	
27 16 19 00-0014			<b>Duplex Fiber Optic Patch Cables</b> (27 16 19 00-0005)		
27 16 19 00-0015			<b>Singlemode, Duplex Fiber Optic Patch Cables</b> (27 16 19 00-0014)		
27 16 19 00-0016	EA		ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable .....	90.20	
			For Each Additional Meter In Length, Add .....	0.51	
27 16 19 00-0017	EA		ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	87.45	
			For Each Additional Meter In Length, Add .....	0.51	
27 16 19 00-0018	EA		ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable .....	97.24	
			For Each Additional Meter In Length, Add .....	0.51	
27 16 19 00-0019	EA		SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	75.14	
			For Each Additional Meter In Length, Add .....	0.51	
27 16 19 00-0020	EA		SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	89.39	
			For Each Additional Meter In Length, Add .....	0.51	
27 16 19 00-0021	EA		LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable .....	87.83	
			For Each Additional Meter In Length, Add .....	0.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 16 19 00-0022 Multimode, Duplex Fiber Optic Patch Cables</b> <small>(27 16 19 00-0014)</small>		
27 16 19 00-0023 EA ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	67.60	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0024 EA ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	73.99	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0025 EA ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	74.65	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0026 EA ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	76.70	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0027 EA SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	67.88	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0028 EA SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	77.06	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0029 EA SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	90.92	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0030 EA MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	61.98	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0031 EA LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	75.87	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
<b>27 16 19 00-0032 Fiber Optic Cable Pig Tail</b> <small>(27 16 19)</small>		
27 16 19 00-0033 EA Simplex Fiber Optic Cable Pig Tail.....	74.56	36.51
27 16 19 00-0034 EA Duplex Fiber Optic Cable Pig Tail.....	97.75	36.51
<b>27 16 19 00-0035 Ethernet Patch Cords</b> <small>(27 16 19)</small>		
27 16 19 00-0036 EA 3' Category 5E Patch Cables With Boots.....	16.97	
27 16 19 00-0037 EA 5' Category 5E Patch Cables With Boots.....	18.71	
27 16 19 00-0038 EA 7' Category 5E Patch Cables With Boots.....	20.47	
27 16 19 00-0039 EA 10' Category 5E Patch Cables With Boots.....	29.69	
27 16 19 00-0040 EA 15' Category 5E Patch Cables With Boots.....	37.05	
27 16 19 00-0041 EA 25' Category 5E Patch Cables With Boots.....	50.31	
27 16 19 00-0042 EA 3' Category 6 Patch Cables With Boots.....	19.04	
27 16 19 00-0043 EA 5' Category 6 Patch Cables With Boots.....	23.46	
27 16 19 00-0044 EA 7' Category 6 Patch Cables With Boots.....	23.55	
27 16 19 00-0045 EA 10' Category 6 Patch Cables With Boots.....	27.59	
27 16 19 00-0046 EA 15' Category 6 Patch Cables With Boots.....	36.38	
27 16 19 00-0047 EA 25' Category 6 Patch Cables With Boots.....	46.72	
27 16 19 00-0048 EA 50' Category 6 Patch Cables With Boots.....	75.81	
27 16 19 00-0049 EA 100' Category 6 Patch Cables With Boots.....	133.26	
27 16 19 00-0050 EA 3' Length, Category 6, Exterior Grade Patch Cable With Boots.....	47.13	
27 16 19 00-0051 EA 5' Length, Category 6, Exterior Grade Patch Cable With Boots.....	52.27	
27 16 19 00-0052 EA 7' Length, Category 6, Exterior Grade Patch Cable With Boots.....	57.40	
27 16 19 00-0053 EA 10' Length, Category 6, Exterior Grade Patch Cable With Boots.....	67.71	
27 16 19 00-0054 EA 15' Length, Category 6, Exterior Grade Patch Cable With Boots.....	83.16	
27 16 19 00-0055 EA 25' Length, Category 6, Exterior Grade Patch Cable With Boots.....	108.82	
27 16 19 00-0056 EA 50' Length, Category 6, Exterior Grade Patch Cable With Boots.....	172.97	
27 16 19 00-0057 EA 100' Length, Category 6, Exterior Grade Patch Cable With Boots.....	306.51	
27 16 19 00-0058 EA 3' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®).....	114.01	
Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.		
27 16 19 00-0059 EA 5' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®).....	122.77	
Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.		
27 16 19 00-0060 EA 7' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®).....	131.49	
Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.		
27 16 19 00-0061 EA 10' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®).....	140.03	
Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.		
27 16 19 00-0062 EA 15' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®).....	151.07	
Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.		
27 16 19 00-0063 EA 20' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®).....	159.71	
Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.		
27 16 19 00-0064 EA 1' Category 6A Patch Cord.....	14.25	
27 16 19 00-0065 EA 2' Category 6A Patch Cord.....	14.89	
27 16 19 00-0066 EA 1 Meter Category 6A Patch Cord.....	15.48	
27 16 19 00-0067 EA 2 Meter Category 6A Patch Cord.....	21.68	
27 16 19 00-0068 EA 3 Meter Category 6A Patch Cord.....	26.91	
27 16 19 00-0069 EA 3' Category 6A Patch Cables With Boots.....	37.02	
27 16 19 00-0070 EA 5' Category 6A Patch Cables With Boots.....	39.65	
27 16 19 00-0071 EA 7' Category 6A Patch Cables With Boots.....	41.62	
27 16 19 00-0072 EA 10' Category 6A Patch Cables With Boots.....	47.17	
27 16 19 00-0073 EA 15' Category 6A Patch Cables With Boots.....	56.98	
27 16 19 00-0074 EA 25' Category 6A Patch Cables With Boots.....	73.91	
27 16 19 00-0075 EA 50' Category 6A Patch Cables With Boots.....	111.93	
27 16 19 00-0076 EA 100' Category 6A Patch Cables With Boots.....	198.97	
27 16 19 00-0077 EA 3' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E03-06).....	16.97	
27 16 19 00-0078 EA 5' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E05-06).....	18.71	
27 16 19 00-0079 EA 7' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E07-06).....	20.47	
27 16 19 00-0080 EA 10' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E10-06).....	29.69	
27 16 19 00-0081 EA 15' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E15-06).....	37.05	
27 16 19 00-0082 EA 25' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E25-06).....	50.31	

**27 Communications****27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, and Adapters**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 16 19 00-0083	EA	3' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC603-06)	19.04	
27 16 19 00-0084	EA	5' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC605-06)	23.46	
27 16 19 00-0085	EA	7' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC607-06)	23.55	
27 16 19 00-0086	EA	10' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC610-06)	27.59	
27 16 19 00-0087	EA	15' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC615-06)	36.38	
27 16 19 00-0088	EA	25' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC625-06)	46.72	
27 16 19 00-0089	EA	3' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A03-09)	37.02	
27 16 19 00-0090	EA	5' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A05-09)	39.65	
27 16 19 00-0091	EA	7' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A07-09)	41.62	
27 16 19 00-0092	EA	10' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A10-09)	47.17	
27 16 19 00-0093	EA	15' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A15-09)	56.98	
27 16 19 00-0094	EA	25' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A25-09)	73.91	

**27 20 Data Communications** (27)**27 21 Data Communications Network Equipment** (27 20)

Note: Includes testing of new devices and certification.

**27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems****27 21 16 00-0001** Network Equipment (27 21 16)**27 21 16 00-0002** Grounding Bus Bars (27 21 16 00-0001)

27 21 16 00-0003	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar (Chatsworth 13622-012)	180.74	28.22
27 21 16 00-0004	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar (Chatsworth 40153-012)	348.09	28.22

**27 21 16 00-0005** Vertical Cable Management (27 21 16 00-0001)

27 21 16 00-0006	EA	3-1/4" Width Channel, 16 Gates, 19" Width x 84" Height, Relay Rack With Cable Channels (Hubbell CR1973)	909.15	52.25
27 21 16 00-0007	EA	6" Width Channel, 32 Gates, 19" Width x 84" Height, Relay Rack With Cable Channels (Hubbell CR1976)	994.84	52.25
27 21 16 00-0008	EA	3-1/4" Width, 4' Height, 4 Gates, Vertical Cable Organizer (Hubbell VC43)	186.69	26.13
27 21 16 00-0009	EA	4-1/2" Width, 4' Height, 8 Gates, Vertical Cable Organizer (Hubbell VC44)	310.80	26.13
27 21 16 00-0010	EA	6" Width, 4' Height, 8 Gates, Vertical Cable Organizer (Hubbell VC46)	322.62	26.13
27 21 16 00-0011	EA	3-1/4" Width, 7' Height, 8 Gates, Vertical Cable Organizer (Hubbell VC73)	224.52	26.13
27 21 16 00-0012	EA	4-1/2" Width, 7' Height, 16 Gates, Vertical Cable Organizer (Hubbell VC74)	377.28	26.13
27 21 16 00-0013	EA	6" Width, 7' Height, 16 Gates, Vertical Cable Organizer (Hubbell VC76)	377.28	26.13
27 21 16 00-0014	EA	Cover For 3-1/4" Width, 4' Height, Vertical Cable Organizer (Hubbell VCC3)	58.76	5.22
27 21 16 00-0015	EA	Cover For 4-1/2" Width, 4' Height, Vertical Cable Organizer (Hubbell VCC4)	66.00	5.22
27 21 16 00-0016	EA	Cover For 6" Width, 4' Height, Vertical Cable Organizer (Hubbell VCC6)	73.09	5.22
27 21 16 00-0017	LF	Low Voltage Communication, Aluminum Surface Raceway (Panduit Pan-Pole)	40.53	7.62

Note: Exposed installations on masonry, concrete masonry unit (CMU) or drywall walls or ceilings.

**27 21 16 00-0018** Horizontal Cable Management (27 21 16 00-0001)

27 21 16 00-0019	EA	19" Width, 1-3/4" Height, 3-1/2" Ring Depth, Cable Management Duct Panel (Hubbell HC119MS3N)	119.08	20.90
27 21 16 00-0020	EA	19" Width, 3-1/2" Height, 1-3/4" Ring Depth, Cable Management Duct Panel (Hubbell HC219MS1N)	119.08	20.90
27 21 16 00-0021	EA	19" Width, 3-1/2" Height, 3-1/2" Ring Depth, Cable Management Duct Panel (Hubbell HC219MS3N)	123.07	20.90
27 21 16 00-0022	EA	23" Width, 3-1/2" Height, 1-3/4" Ring Depth, Cable Management Duct Panel (Hubbell HC223MS1N)	193.98	20.90
27 21 16 00-0023	EA	19" Width, 1-3/4" Height, 1-3/4" Ring Depth, Enhanced Cable Management Duct Panel (Hubbell HC119CE1N)	173.89	20.90
27 21 16 00-0024	EA	19" Width, 3-1/2" Height, 1-3/4" Ring Depth, Enhanced Cable Management Duct Panel (Hubbell HC219CE1N)	165.62	20.90
27 21 16 00-0025	EA	19" Width, 3-1/2" Height, 3-1/2" Ring Depth, Enhanced Cable Management Duct Panel (Hubbell HC219CE3N)	157.93	20.90
27 21 16 00-0026	EA	19" Width, 3-1/2" Height, 6" Ring Depth, Enhanced Cable Management Duct Panel (Hubbell HC219CE6N)	205.80	20.90
27 21 16 00-0027	EA	19" Width, 3-1/2" Height, 3-1/2" Ring Depth, Enhanced Cable Management Duct Panel With Rear Wire Frame, Cover And Pass Through Holes (Hubbell HC219CC3N)	214.67	20.90
27 21 16 00-0028	EA	19" Width, 3-1/2" Height, 3-1/2" Ring Depth, Enhanced Cable Management Duct Panel With Rear Wire Frame (Hubbell HC219CR3N)	196.94	20.90
27 21 16 00-0029	EA	19" Width, 5-1/4" Height, 6" Ring Depth, Enhanced Cable Management Duct Panel With Rear Wire Frame (Hubbell HC319CE6N)	226.49	20.90
27 21 16 00-0030	EA	1-3/4" Depth, Cable Management Spool (Hubbell HCSPL110)	16.10	6.27
27 21 16 00-0031	EA	3-1/2" Depth, Cable Management Spool (Hubbell HCSPL310)	16.88	6.27
27 21 16 00-0032	EA	6" Depth, Cable Management Spool (Hubbell HCSPL610)	18.06	6.27
27 21 16 00-0033	PR	3-1/2" Depth, Vertical Management Rings (Hubbell HC23VR2)	83.17	6.27
27 21 16 00-0034	PR	6" Depth, Vertical Management Rings (Hubbell HC23VR2)	94.84	6.27

**27 21 16 00-0035** Fiber Patch Panels (27 21 16 00-0001)

27 21 16 00-0036	EA	12 FSP Panel Capacity, Rack Mounted Fiber Patch Panel (Hubbell FCR525SPR)	815.39	104.31
27 21 16 00-0037	EA	12 Capacity, 6 LC Duplex, Preloaded Standard Adapter Panel (Hubbell FSPLC6)	262.39	52.15
27 21 16 00-0038	EA	12 Capacity, 3 LC Quad, Preloaded Standard Adapter Panel (Hubbell FSPLCQ3)	240.82	52.15
27 21 16 00-0039	EA	24 Capacity, 6 LC Quad, Preloaded High Density Adapter Panel (Hubbell FSPLCQ6)	368.77	52.15
27 21 16 00-0040	EA	6 Capacity, 6 FC/PC, Preloaded Standard Split Sleeve Adapter Panel (Hubbell FSPFC6)	266.83	52.15
27 21 16 00-0041	EA	6 Capacity, 6 SC Simplex, Preloaded Standard APC Adapter Panel (Hubbell FSPSCA6)	277.17	52.15
27 21 16 00-0042	EA	8 Capacity, 6 SC Simplex, Preloaded High Density APC Adapter Panel (Hubbell FSPSCA8)	333.31	52.15
27 21 16 00-0043	EA	Blank Plate For Adapter Panels (Hubbell FSPB)	35.49	10.43
27 21 16 00-0044	EA	6 Capacity, SC Simplex Or MT-RJ, Unloaded Standard FSP Adapter Panel (Hubbell FSPMTRJ6X)	122.04	52.15
27 21 16 00-0045	EA	8 Capacity, SC Simplex Or MT-RJ, Unloaded High Density FSP Adapter Panel (Hubbell FSPMTRJ8X)	122.04	52.15
27 21 16 00-0046	EA	6 Capacity, SC Duplex Or LC Quad, Unloaded Standard FSP Adapter Panel (Hubbell FSPSCD3X)	122.04	52.15
27 21 16 00-0047	EA	8 Capacity, SC Duplex Or LC Quad, Unloaded High Density FSP Adapter Panel (Hubbell FSPSCD6X)	122.04	52.15
27 21 16 00-0048	EA	6 Capacity, ST Style, Unloaded Standard FSP Adapter Panel (Hubbell FSPST6X)	120.41	52.15
27 21 16 00-0049	EA	8 Capacity, ST Style, Unloaded High Density FSP Adapter Panel (Hubbell FSPST8X)	122.04	52.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0050 EA 6 Capacity, LC Duplex, Unloaded Standard FSP Adapter Panel (Hubbell FSPLC6X) .....	122.04	52.15
27 21 16 00-0051 EA 4 Capacity, HD And HXJ Jacks, Unloaded FSP Adapter Panel (Hubbell FSPHD4X).....	140.80	52.15
<b>27 21 16 00-0052 Equipment Racks</b> <small>(27 21 16 00-0001)</small>		
27 21 16 00-0053 EA 19" Width x 84" Height, 2-Post Equipment Rack (Hubbell HPW84RR19) .....	392.67	52.25
27 21 16 00-0054 EA 19" Width x 29" Depth x 84" Height, 4-Post Equipment Rack (Chatsworth Quadrarack).....	1,811.29	78.38
<b>27 21 16 00-0055 Category 6 Patch Panels</b> <small>(27 21 16 00-0001)</small>		
27 21 16 00-0056 EA 24 Port, Category 6 Patch Panel (Hubbell P624U).....	375.23	33.96
<i>Note: Excludes cabinet and terminations.</i>		
<i>For Rear Cable Management Bar, Add</i>		
	38.71	
27 21 16 00-0057 EA 48 Port, Category 6 Patch Panel (Hubbell P648U).....	698.20	41.81
<i>Note: Excludes cabinet and terminations.</i>		
<i>For Rear Cable Management Bar, Add</i>		
	38.71	
27 21 16 00-0058 EA 96 Port, Category 6 Patch Panel (Hubbell P696U).....	1,296.88	57.48
<i>Note: Excludes cabinet and terminations.</i>		
<i>For Rear Cable Management Bar, Add</i>		
	38.71	
27 21 16 00-0059 EA Category 6, 4-Pair, Connecting Block (Hubbell 6110CB4PR10).....	5.08	1.04
<b>27 21 16 00-0060 Faceplates And Modular Connectors</b> <small>(27 21 16 00-0001)</small>		
27 21 16 00-0061 EA Single Gang, Keystone Opening, Flush, Stainless Steel Phone Faceplate (Hubbell P630S1G) .....	22.86	1.04
<i>Note: Requires one snap-in jack module.</i>		
27 21 16 00-0062 EA Single Gang, RJ25 Jack, Flush, Stainless Steel Phone Faceplate (Hubbell P630S1GJ6) .....	30.12	1.04
27 21 16 00-0063 EA Single Gang, RJ45 Jack, Flush, Stainless Steel Phone Faceplate (Hubbell P630S1GJ8) .....	33.74	1.04
27 21 16 00-0064 EA Single Gang, Keystone Opening, Recessed, Stainless Steel Phone Faceplate (Hubbell P630SR1G).....	21.66	1.04
<i>Note: Requires one snap-in jack module.</i>		
27 21 16 00-0065 EA Single Gang, RJ25 Jack, Recessed, Stainless Steel Phone Faceplate (Hubbell P630SR1GJ6).....	25.01	1.04
27 21 16 00-0066 EA Single Gang, RJ45 Jack, Recessed, Stainless Steel Phone Faceplate (Hubbell P630SR1GJ8).....	28.77	1.04
27 21 16 00-0067 EA Cat 6, Snap In Module (Hubbell HXJ6A) .....	26.49	2.61
27 21 16 00-0068 EA LC Fiber Connection, Snap In Module (Hubbell SFLC) .....	29.60	2.61
<b>27 21 16 00-0069 Copper Communications Cabling</b> <small>(27 21 16 00-0001)</small>		
<i>Note: Excludes conduit or innerduct.</i>		
<b>27 21 16 00-0070 Outdoor, Copper Communications Cabling</b> <small>(27 21 16 00-0069)</small>		
27 21 16 00-0071 CLF 25-Pair, 24 AWG, ETPR Filled, Outdoor, Copper Communications Cable .....	209.34	62.59
27 21 16 00-0072 CLF 50-Pair, 24 AWG, ETPR Filled, Outdoor, Copper Communications Cable .....	335.54	87.63
27 21 16 00-0073 CLF 100-Pair, 24 AWG, ETPR Filled, Outdoor, Copper Communications Cable .....	471.53	87.63
27 21 16 00-0074 CLF 200-Pair, 24 AWG, ETPR Filled, Outdoor, Copper Communications Cable .....	816.01	112.66
<b>27 21 16 00-0075 Indoor, Copper Communications Cabling</b> <small>(27 21 16 00-0069)</small>		
<b>27 21 16 00-0076 Indoor, Plenum Rated, Copper Communications Cabling</b> <small>(27 21 16 00-0075)</small>		
27 21 16 00-0077 CLF 25-Pair, 24 AWG, Plenum Rated, Indoor, Copper Communications Cable .....	347.01	62.59
27 21 16 00-0078 CLF 50-Pair, 24 AWG, Plenum Rated, Indoor, Copper Communications Cable .....	408.23	87.63
27 21 16 00-0079 CLF 100-Pair, 24 AWG, Plenum Rated, Indoor, Copper Communications Cable .....	654.47	87.63
27 21 16 00-0080 CLF 200-Pair, 24 AWG, Plenum Rated, Indoor, Copper Communications Cable .....	1,229.43	112.66
<b>27 21 16 00-0081 Fiber Optic Modems</b> <small>(27 21 16)</small>		
27 21 16 00-0082 EA Fiber Optic Modems, Range 6.2 Miles.....	1,562.53	208.63
27 21 16 00-0083 EA Fiber Optic Modem, Range 3.1 Miles, 12 Channel .....	2,994.14	208.63
<b>27 21 16 00-0084 Ethernet Hubs and Switches</b> <small>(27 21 16)</small>		
27 21 16 00-0085 EA 16 Port Managed Hub With Fiberport And Standard Management.....	3,780.97	156.76
27 21 16 00-0086 EA 16 Port Unmanaged Hub .....	551.50	104.51
27 21 16 00-0087 EA 12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E).....	5,233.22	104.51
27 21 16 00-0088 EA Power Supply (Cisco PWR-IE170W-PC-AC).....	1,544.62	52.25
<b>27 21 16 00-0089 Network Equipment</b> <small>(27 21 16)</small>		
<b>27 21 16 00-0090 Communications Entrance Protection</b> <small>(27 21 16 00-0089)</small>		
27 21 16 00-0091 EA 100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C).....	1,069.84	78.38
<i>Note: Excludes terminations.</i>		
27 21 16 00-0092 EA Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S) .....	12.88	1.04
<b>27 21 16 00-0093 Communications Cabinets, Racks, Frames And Enclosures</b> <small>(27 21 16 00-0089)</small>		
27 21 16 00-0094 EA 19" Width x 36" Height x 24" Depth, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736) .....	1,303.64	78.38
<i>For Fan Kit (Chatsworth 12804-701), Add</i>		
	184.23	
27 21 16 00-0095 EA 10 Outlet, 125 Volt, 20 Amperes, Telecommunications Cabinet Power Strip (Chatsworth 13239-757).....	1,207.74	5.22
<b>27 21 16 00-0096 Communications Termination Blocks And Patch Panels</b> <small>(27 21 16 00-0089)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0097			<b>Communications Termination Blocks</b> (27 21 16 00-0096)		
27 21 16 00-0098	EA		4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810).....	334.72	15.65
27 21 16 00-0099	EA		5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802).....	311.23	15.65
27 21 16 00-0100	EA		4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869).....	751.67	15.65
27 21 16 00-0101	EA		5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851).....	698.83	15.65
27 21 16 00-0102	EA		110 Connector System Mounting Brackets (CommScope 107535593).....	102.15	15.65
27 21 16 00-0103	EA		110 Connector System Mounting Brackets (CommScope 107535585).....	110.69	15.65
27 21 16 00-0104	EA		110 Connector System Mounting Brackets (CommScope 107098816).....	126.67	15.65
27 21 16 00-0105			<b>Communications Copper Patch Panels</b> (27 21 16 00-0096)		
			Note: Excludes cabinet and terminations.		
27 21 16 00-0106	EA		24 Port, Category 5E Patch Panel (CommScope 108208919).....	325.94	33.96
27 21 16 00-0107	EA		48 Port, Category 5E Patch Panel (CommScope 108208935).....	599.62	41.81
27 21 16 00-0108	EA		24 Port, Category 6 Patch Panel (CommScope 760062372).....	486.90	33.96
27 21 16 00-0109	EA		48 Port, Category 6 Patch Panel (CommScope 760062380).....	914.85	41.81
27 21 16 00-0110			<b>Communications Optical Fiber Patch Panels</b> (27 21 16 00-0096)		
27 21 16 00-0111			<b>Closet Connector Housings</b> (27 21 16 00-0110)		
27 21 16 00-0112	EA		48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U).....	471.07	20.90
			Note: Accepts up to 2 closet connector housing panels. Excludes panels.		
27 21 16 00-0113	EA		96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U).....	552.25	20.90
			Note: Accepts up to 4 closet connector housing panels. Excludes panels.		
27 21 16 00-0114	EA		288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U).....	692.24	20.90
			Note: Accepts up to 12 closet connector housing panels. Excludes panels.		
27 21 16 00-0115	EA		SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91).....	117.56	10.45
27 21 16 00-0116	EA		SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59).....	160.80	10.45
27 21 16 00-0117	EA		SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56).....	132.83	10.45
27 21 16 00-0118	EA		SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C).....	174.78	10.45
27 21 16 00-0119			<b>Communications Cable Management</b> (27 21 16 00-0089)		
27 21 16 00-0120			<b>Horizontal Communication Cable Management</b> (27 21 16 00-0119)		
27 21 16 00-0121	EA		1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE).....	144.71	20.90
27 21 16 00-0122	EA		3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E).....	150.04	20.90
27 21 16 00-0123			<b>Vertical Communication Cable Management</b> (27 21 16 00-0119)		
27 21 16 00-0124	EA		6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703).....	913.97	52.25
27 21 16 00-0125	EA		19" Width x 84" Height, Universal Rack (Chatsworth 48353-703).....	948.45	52.25
27 21 16 00-0126	EA		23" Width x 84" Height, Universal Rack (Chatsworth 48383-703).....	1,026.12	52.25
27 21 16 00-0127			<b>Communications Patch Cords, Station Cords, And Cross Connect Wire</b> (27 21 16 00-0089)		
27 21 16 00-0128			<b>Premise Cross-Connect Wire</b> (27 21 16 00-0127)		
27 21 16 00-0129	LF		1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973).....	1.08	0.52
27 21 16 00-0130			<b>Pathways For Communications Systems</b> (27 21 16 00-0089)		
27 21 16 00-0131			<b>Conduits And Backboxes For Communication Systems</b> (27 21 16 00-0130)		
27 21 16 00-0132			<b>Flexible Conduit For Communication Systems</b> (27 21 16 00-0131)		
27 21 16 00-0133	CLF		1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlton DF4X1C).....	483.67	187.76
27 21 16 00-0134	CLF		1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlton CF4X1C).....	762.58	187.76
27 21 16 00-0135			<b>Tube Cables For Communication Systems</b> (27 21 16 00-0131)		
27 21 16 00-0136			<b>Outdoor/All-Dielectric Tube Cables</b> (27 21 16 00-0135)		
27 21 16 00-0137	CLF		Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX).....	392.87	125.17
27 21 16 00-0138	CLF		Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX).....	595.60	156.46
27 21 16 00-0139	CLF		Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX).....	1,012.69	187.76
27 21 16 00-0140			<b>Indoor/Riser Rated Tube Cables</b> (27 21 16 00-0135)		
27 21 16 00-0141	CLF		Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX).....	456.65	125.17
27 21 16 00-0142	CLF		Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX).....	562.44	140.82
27 21 16 00-0143	CLF		Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX).....	639.89	156.46
27 21 16 00-0144	CLF		Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX).....	1,212.88	187.76
27 21 16 00-0145			<b>Indoor/Plenum Rated Tube Cables</b> (27 21 16 00-0135)		
27 21 16 00-0146	CLF		Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX).....	323.78	125.17
27 21 16 00-0147	CLF		Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2).....	486.76	125.17
27 21 16 00-0148	CLF		Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2).....	767.94	140.82



<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Data Communications</b>	<b>27 20</b>	
<b>Data Communications Network Equipment</b>	<b>27 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0149 CLF Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2) .....	1,134.15	156.46
27 21 16 00-0150 CLF Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2) .....	3,631.04	187.76
<b>27 21 16 00-0151 Unjacketed Single Tube Cables (27 21 16 00-0135)</b>		
27 21 16 00-0152 CLF Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX) .....	274.18	125.17
<b>27 21 16 00-0153 Multimode Fiber Bundles (27 21 16 00-0135)</b>		
Note: Includes optical fiber cables.		
27 21 16 00-0154 CLF 2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6) .....	122.82	37.56
27 21 16 00-0155 CLF 4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6) .....	191.91	37.56
27 21 16 00-0156 CLF 6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6) .....	266.32	37.56
27 21 16 00-0157 CLF 12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6) .....	493.08	37.56
27 21 16 00-0158 CLF 18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6) .....	717.86	43.81
27 21 16 00-0159 CLF 24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6) .....	944.62	43.81
<b>27 21 16 00-0160 Singlemode Fiber Bundles (27 21 16 00-0135)</b>		
Note: Includes optical fiber cables.		
27 21 16 00-0161 CLF 2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX) .....	108.65	37.56
27 21 16 00-0162 CLF 4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX) .....	138.77	37.56
27 21 16 00-0163 CLF 6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX) .....	163.57	37.56
27 21 16 00-0164 CLF 12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX) .....	211.40	37.56
27 21 16 00-0165 CLF 18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX) .....	328.12	43.81
27 21 16 00-0166 CLF 24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX) .....	436.19	43.81
<b>27 21 16 00-0167 Tube Distribution Cabinets (27 21 16 00-0135)</b>		
27 21 16 00-0168 EA Modular Tube Distribution Cabinet (Sumitomo DE06MDU) .....	242.28	52.25
Note: Up to six 7-tube cables or two 19-tube cables.		
<b>27 21 16 00-0169 Modular Fiber Termination Cabinets (27 21 16 00-0135)</b>		
27 21 16 00-0170 EA 24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM) .....	311.75	52.25
27 21 16 00-0171 EA 48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM) .....	333.71	52.25
<b>27 21 16 00-0172 Tube Distribution Accessories (27 21 16 00-0135)</b>		
27 21 16 00-0173 EA Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA) .....	12.91	5.22
27 21 16 00-0174 EA Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2) .....	14.45	5.22
27 21 16 00-0175 EA Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB) .....	18.42	5.22
<b>27 21 16 00-0176 Communications Optical Fiber Cabling (27 21 16 00-0089)</b>		
<b>27 21 16 00-0177 Communications Optical Fiber Cable Splicing And Terminations (27 21 16 00-0176)</b>		
<b>27 21 16 00-0178 Field Installed Fiber Connectors (27 21 16 00-0177)</b>		
27 21 16 00-0179 EA SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42) .....	40.62	7.83
27 21 16 00-0180 EA SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41) .....	35.54	7.83
<b>27 21 16 00-0181 Buffer Tube Fan-Out Kits (27 21 16 00-0177)</b>		
<b>27 21 16 00-0182 Buffer Tube Breakout Kits (Sumitomo) (27 21 16 00-0181)</b>		
Note: Includes 900 micron tubing.		
27 21 16 00-0183 EA 2-Fiber Breakout Kit (Sumitomo FTFLD02) .....	229.89	104.31
27 21 16 00-0184 EA 4-Fiber Breakout Kit (Sumitomo FTFLD04) .....	235.20	104.31
27 21 16 00-0185 EA 6-Fiber Breakout Kit (Sumitomo FTFLD06) .....	239.90	104.31
27 21 16 00-0186 EA 12-Fiber Breakout Kit (Sumitomo FTFLD12) .....	254.48	104.31
27 21 16 00-0187 EA 18-Fiber Breakout Kit (Sumitomo FTFLD18) .....	274.43	104.31
27 21 16 00-0188 EA 24-Fiber Breakout Kit (Sumitomo FTFLD24) .....	289.24	104.31
<b>27 21 16 00-0189 Buffer Tube Fan-Out Kits (Corning) (27 21 16 00-0181)</b>		
27 21 16 00-0190 EA 12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12) .....	232.35	104.31
27 21 16 00-0191 EA 12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12) .....	284.98	104.31
<b>27 21 16 00-0192 Communications Copper Cabling (27 21 16 00-0089)</b>		
<b>27 21 16 00-0193 Copper Communications Cable Splicing And Terminations (27 21 16 00-0192)</b>		
<b>27 21 16 00-0194 Copper Communications Cable Splice Cases (27 21 16 00-0193)</b>		
27 21 16 00-0195 EA 6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626) .....	1,097.70	208.63
27 21 16 00-0196 EA 9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630) .....	1,292.18	208.63
27 21 16 00-0197 EA 12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219) .....	1,938.41	208.63
<b>27 21 16 00-0198 Modular Splice Connectors (27 21 16 00-0193)</b>		

<b>27</b>	<b>Communications</b>
<b>27 20</b>	<b>Data Communications</b>
<b>27 21</b>	<b>Data Communications Network Equipment</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 21	16 00-0199	EA	25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25)	113.75	52.15
27 21	16 00-0200	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25)	111.65	52.15
27 21	16 00-0201	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25)	113.79	52.15
27 21	16 00-0202	EA	25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25)	113.50	52.15

### 27 21 26 Data Communications Network Management (27 21)

#### 27 21 26 00-0001 Data Communications Network Management (27 21 26)

27 21	26 00-0002	EA	3 Port, Terminal/Serial Device Server (Comtrol 99560-9)	636.98	26.08
27 21	26 00-0003	EA	2 Port, Terminal/Serial Device Server (Comtrol 99550-0)	488.00	26.08
27 21	26 00-0004	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9)	684.83	26.08
27 21	26 00-0005	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0)	1,079.50	26.08
27 21	26 00-0006	EA	24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020)	99.29	
27 21	26 00-0007	EA	Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2)	475.47	15.65
27 21	26 00-0008	EA	Sennetech Code Translator (Pelco SCT_100_AD232)	785.82	26.08
27 21	26 00-0009	EA	VPN Router (Cisco 819HG)	4,554.21	334.43
27 21	26 00-0010	EA	Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC)	3,202.92	334.43
27 21	26 00-0011	EA	WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+)	17,433.86	125.17
27 21	26 00-0012	EA	SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis, 2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV)	556.78	
27 21	26 00-0013	EA	Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8)	11,949.87	125.17
27 21	26 00-0014	EA	Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2)	26,103.31	125.17
27 21	26 00-0015	EA	Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E)	616.16	10.45
27 21	26 00-0016	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV)	4,524.82	13.04
27 21	26 00-0017	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2)	3,923.50	13.04
27 21	26 00-0018	EA	13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US)	69.06	5.22
27 21	26 00-0019	EA	1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=)	214.20	52.15
27 21	26 00-0020	EA	Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850-24TS)	3,339.84	125.17
27 21	26 00-0021	EA	SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS)	732.59	
27 21	26 00-0022	EA	North America AC Type A Power Cable (Cisco CAB-TA-NA)	22.26	5.22
27 21	26 00-0023	EA	350 Watt AC Power Supply (Cisco PWR-C1-350WAC)	303.00	13.04
27 21	26 00-0024	EA	Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G)	758.73	13.07
27 21	26 00-0025	EA	1' (30cm), Catalyst 3750X Stack Power Cable (Cisco CAB-SPWR-30CM)	110.43	5.22
27 21	26 00-0026	EA	Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC)	3,992.00	125.17
27 21	26 00-0027	EA	SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/100 (Cisco CON-SNT-301016S8)	735.52	
27 21	26 00-0028	EA	IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA)	648.79	13.04
27 21	26 00-0029	EA	IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IAR)	659.05	13.04
27 21	26 00-0030	EA	4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC)	1,363.39	125.17
27 21	26 00-0031	EA	Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC)	355.80	13.07
27 21	26 00-0032	EA	4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM)	1,681.81	13.07
27 21	26 00-0033	EA	Router (CISCO IR829)	1,496.45	52.25

### 27 21 29 Data Communications Switches and Hubs (27 21)

#### 27 21 29 00-0001 Data Communications Multimedia Modular Patch Panels (27 21 29)

Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0056 for modular jacks.

27 21	29 00-0002	EA	12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded	130.06	5.21
27 21	29 00-0003	EA	16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	143.94	5.21
27 21	29 00-0004	EA	24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	170.80	5.21
27 21	29 00-0005	EA	36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	179.05	5.21
27 21	29 00-0006	EA	48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	195.24	6.52
27 21	29 00-0007	EA	24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	185.88	5.21
27 21	29 00-0008	EA	48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	233.30	6.52
27 21	29 00-0009	EA	Rack Mount Rear Cable Management Bar	60.95	6.52

### 27 21 33 Data Communications Wireless Access Points (27 21)

#### 27 21 33 00-0001 Data Communications Wireless Access Points (27 21 33)

27 21	33 00-0002	EA	Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU)	4,593.29	156.46
27 21	33 00-0003	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1)	11,080.61	156.46
27 21	33 00-0004	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9)	11,080.61	156.46
27 21	33 00-0005	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA)	1,777.77	156.46
27 21	33 00-0006	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR)	2,101.58	182.13
27 21	33 00-0007	EA	Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G)	5,923.64	182.13
27 21	33 00-0008	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G)	9,012.87	182.13
27 21	33 00-0009	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G)	9,012.87	182.13
27 21	33 00-0010	EA	50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50)	1,845.77	60.71
27 21	33 00-0011	EA	100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100)	1,871.71	60.71
27 21	33 00-0012	EA	Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G)	171.00	30.35
27 21	33 00-0013	EA	FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM)	1,611.72	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21	33 00-0014	EA	1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR).....	564.38	52.15
27 21	33 00-0015	EA	Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH).....	465.85	52.15
27 21	33 00-0016	EA	Cell LTE MIMO Antenna (Sierra Wireless 1810075) .....	80.11	20.86
27 21	33 00-0017	EA	AirLink GX400 Power Adapter (Sierra Wireless 2700384) .....	73.43	
27 21	33 00-0018	EA	AirLink GX400 Power Cable (Sierra Wireless 2000380).....	42.38	
27 21	33 00-0019	EA	Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL) .....	294.69	52.15
27 21	33 00-0020	EA	Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL).....	296.60	52.15
27 21	33 00-0021	EA	2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D) .....	408.97	52.25
27 21	33 00-0022	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS).....	1,044.97	78.38
27 21	33 00-0023	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged).....	1,341.54	78.38
27 21	33 00-0024	EA	Magnetic Mount Cellular Antenna (Wilson Electronics 301125) .....	72.83	15.65
27 21	33 00-0025	EA	Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K) .....	280.34	60.71
27 21	33 00-0026	EA	Andrew® Omni Antenna, 890-960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38-51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y).....	937.31	60.71
27 21	33 00-0027	EA	Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC) .....	4,639.30	52.25
27 21	33 00-0028	EA	Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150).....	2,350.56	52.15

### 27 29 Data Communications Network Systems (2720)

Note: Materials only, excludes installation.

#### 27 29 00 00-0001 Aruba Networks - Devices (2729)

#### 27 29 00 00-0002 Access Points and Accessories (27 29 00 00-0001)

27 29 00 00-0003	EA	Aruba 104 Wireless Access Point (802.11abgn 2x2:2, dual radio, antenna connectors) (Aruba networks AP-104).....	1,358.31
27 29 00 00-0004	EA	Aruba 104 Wireless Access Point, FIPS/TAA (Aruba networks AP-104-F1) .....	1,553.75
27 29 00 00-0005	EA	Aruba 105 Wireless Access Point (802.11abgn 2x2:2, dual radio, integrated antennas) (Aruba networks AP-105).....	1,358.31
27 29 00 00-0006	EA	Aruba 105 Wireless Access Point, FIPS/TAA (Aruba networks AP-105-F1) .....	1,553.75
27 29 00 00-0007	EA	Aruba 124 Wireless Access Point (802.11a/n + b/g/n) (Aruba networks AP-124) .....	1,944.63
27 29 00 00-0008	EA	Aruba 124 Wireless Access Point (802.11a/n + b/g/n), FIPS/TAA (Aruba networks AP-124-F1) .....	2,335.51
27 29 00 00-0009	EA	Aruba 125 Wireless Access Point (802.11a/n + b/g/n) (Aruba networks AP-125) .....	1,944.63
27 29 00 00-0010	EA	Aruba 125 Wireless Access Point (802.11a/n + b/g/n), FIPS/TAA (Aruba networks AP-125-F1) .....	2,335.51
27 29 00 00-0011	EA	Aruba AP-134 Wireless Access Point (Aruba networks AP-134).....	2,140.07
27 29 00 00-0012	EA	Aruba 134 Wireless Access Point, FIPS/TAA (Aruba networks AP-134-F1) .....	2,530.95
27 29 00 00-0013	EA	Aruba AP-135 Wireless Access Point (Aruba networks AP-135).....	2,140.07
27 29 00 00-0014	EA	Aruba 135 Wireless Access Point, FIPS/TAA (Aruba networks AP-135-F1) .....	2,530.95
27 29 00 00-0015	EA	AP-175P, 802.11n dual 2x2 320mW; POE (Aruba networks AP-175P).....	4,485.35
27 29 00 00-0016	EA	AP-175P, 802.11n dual 2x2 320mW, POE, FIPS/TAA (Aruba networks AP-175P-F1) .....	5,169.39
27 29 00 00-0017	EA	AP-175AC Outdoor Access Point, 802.11n 2x2 dual radio 320mW; AC powered (with PSE) (Aruba networks AP-175AC) .....	5,071.67
27 29 00 00-0018	EA	AP-175AC, 802.11n dual 2x2 320mW, AC, FIPS/TAA (Aruba networks AP-175AC-F1).....	5,853.43
27 29 00 00-0019	EA	AP-175DC Outdoor Access Point, 802.11n 2x2 dual radio 320mW; DC powered (with PSE) (Aruba networks AP-175DC).....	5,071.67
27 29 00 00-0020	EA	AP-175DC, 802.11n dual 2x2 320mW, DC, FIPS/TAA (Aruba networks AP-175DC-F1) .....	5,853.43
27 29 00 00-0021	EA	Aruba 68 Wireless Access Point (Aruba networks AP-68).....	576.55
27 29 00 00-0022	EA	Aruba 92 Wireless Access Point, 802.11abgn, dual-band, single radio, antenna connectors (Aruba networks AP-92) .....	771.99
27 29 00 00-0023	EA	Aruba 92 Wireless Access Point, FIPS/TAA (Aruba networks AP-92-F1) .....	879.48
27 29 00 00-0024	EA	Aruba 93 Wireless Access Point, 802.11abgn, dual-band, single radio, integrated antennas (Aruba networks AP-93) .....	771.99
27 29 00 00-0025	EA	Aruba 93 Wireless Access Point, FIPS/TAA (Aruba networks AP-93-F1) .....	879.48
27 29 00 00-0026	EA	Aruba 93H Access Point, 802.11abgn, dual-band, single radio, integrated antennas, 4 port switch (hospitality variant) (Aruba networks AP-93H).....	967.43
27 29 00 00-0027	EA	AP 60/61/65/70/120 Series AC Power Adapter Kit - Australia (Aruba networks AP-AC-AUS-2) .....	107.49
27 29 00 00-0028	EA	AP 60/61/65/70/120 Series AC Power Adapter Kit - Brazil Version (Aruba networks AP-AC-BR-2).....	107.49
27 29 00 00-0029	EA	AP 60/61/65/70/120 Series AC Power Adapter Kit - China (Aruba networks AP-AC-CHN-2) .....	107.49
27 29 00 00-0030	EA	AP 60/61/65/70/120 Series AC Power Adapter Kit - Schuko (Aruba networks AP-AC-EC-2).....	107.49
27 29 00 00-0031	EA	AP 60/61/65/70/120 Series AC Power Adapter Kit - India (Aruba networks AP-AC-IN-2) .....	107.49
27 29 00 00-0032	EA	AP 60/61/65/70/120 Series AC Power Adapter Kit - Italy (Aruba networks AP-AC-IT-2).....	107.49
27 29 00 00-0033	EA	AP 60/61/65/70/120 Series AC Power Adapter Kit - Japan (Aruba networks AP-AC-JPN-2) .....	107.49
27 29 00 00-0034	EA	AP 60/61/65/70/120 Series AC Power Adapter Kit - Korea (Aruba networks AP-AC-KOR-2) .....	107.49
27 29 00 00-0035	EA	AP 60/61/65/70/120 Series AC Power Adapter Kit - North American 2 Prong Version (Aruba networks AP-AC-LA-2) .....	107.49
27 29 00 00-0036	EA	AP 60/61/65/70/120 Series AC Power Adapter Kit - North America Version (Aruba networks AP-AC-NA-2).....	107.49
27 29 00 00-0037	EA	AP 60/61/65/70/120 Series AC Power Adapter Kit - United Kingdom (Aruba networks AP-AC-UK-2).....	107.49
27 29 00 00-0038	EA	AP 60/61/65/70/120 Series AC Power Adapter Kit - Argentina (Aruba networks AP-AC-ARG-2).....	107.49
27 29 00 00-0039	EA	AP 60/61/65/70/120 Series AC Power Adapter Kit - Denmark (Aruba networks AP-AC-DEN-2).....	107.49
27 29 00 00-0040	EA	AP 60/61/65/70/120 Series AC Power Adapter Kit - Israel (Aruba networks AP-AC-IL-2).....	107.49
27 29 00 00-0041	EA	AP 60/61/65/70/120 Series AC Power Adapter Kit - Switzerland (Aruba networks AP-AC-SWI-2) .....	107.49
27 29 00 00-0042	EA	AP 60/61/65/70/120 Series AC Power Adapter Kit - South Africa (Aruba networks AP-AC-ZA-2).....	107.49
27 29 00 00-0043	EA	2.4-2.5GHz (4.4dBi) / 4.9-5.9GHz (3.3dBi), Down-Tilt, Smallest Form Factor Omni-Directional Single Antenna with ceiling mount hardware. RP-SMA Connector (Aruba networks AP-ANT-13B) .....	273.62
27 29 00 00-0044	EA	2.4-2.5GHz (4.4dBi) / 4.9-5.9GHz (3.3dBi), Down-Tilt, Smallest Form Factor Omni-Directional Single Antenna with ceiling mount hardware. RP-SMA Connector, Kit of quantity: 3 (Aruba networks AP-ANT-13B-KIT).....	762.22
27 29 00 00-0045	EA	2.4-2.5GHz (5.0dBi) / 4.90-5.99GHz (5.0dBi), Dual-band, 120 Degree Sector Antenna, RP-SMA. (Aruba networks AP-ANT-15) .....	674.27
27 29 00 00-0046	EA	2.4-2.5GHz (3.9dBi) / 4.9-5.9GHz (4.7dBi), 3 Element MIMO Antenna in a single mechanical package, Down-Tilt Omni-Directional with ceiling mount hardware. RP-SMA Connectors (Aruba networks AP-ANT-16) .....	674.27
27 29 00 00-0047	EA	2.4-2.5GHz (6.0dBi) / 4.9-5.875GHz (5.0dBi), 3 Element MIMO 120 Degree Sector Antenna, mounting hardware only included; no Az/EI adjustment. RP-SMA Connectors. To support pole mount or az/ei adjustment on wall mount, order AP-ANT-MNT-1 kit in addition to antenna. (Aruba networks AP-ANT-17).....	713.36



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 29 00 00-0048	EA	2.4-2.5GHz (7.5dBi) / 5.15-5.875GHz (7.5dBi), 3 Element MIMO 60 Degree Sector Antenna. 3x 3ft pigtails, RP-SMA Connectors. Direct wall mounting hardware (anchors and screws) included; no az/el adjustment. For az/el adjustment on wall mount or pole mount order AP-ANT-MNT-1 kit in addition to antenna. (Aruba networks AP-ANT-18).....	713.36	
27 29 00 00-0049	EA	2.4/5G Dual Band, Omnidirectional 3dBi/6dBi, Indoor/Outdoor, RPSMA connector with 36 inch integrated pigtail cable. Pole mount, I-beam, and ceiling tile mount hardware included. (Aruba networks AP-ANT-19).....	293.16	
27 29 00 00-0050	EA	2.4/5G Dual Band, Omnidirectional 3dBi/6dBi, Indoor/Outdoor, RPSMA connector with 36 inch integrated pigtail cable. Pole mount, I-beam, and ceiling tile mount hardware included. (Kit of 3) (Aruba networks AP-ANT-19-KIT).....	771.99	
27 29 00 00-0051	EA	2.4-2.5GHz (2dBi) / 4.9-5.875GHz (2dBi), compact omni-directional direct-mount indoor antenna. RP-SMA, classic (Aruba networks AP-ANT-20A).....	39.09	
27 29 00 00-0052	EA	2.4-2.5GHz (2dBi) / 4.9-5.875GHz (2dBi), compact omni-directional direct-mount indoor antenna. RP-SMA, white (Aruba networks AP-ANT-20W).....	39.09	
27 29 00 00-0053	EA	2.4-2.5GHz (3.8dBi) / 4.9-5.875GHz (5.8dBi), High-Gain Omni-Directional Detachable Antenna. RP-SMA (Aruba networks AP-ANT-1B).....	58.63	
27 29 00 00-0054	EA	AP Antenna with integrated cellular interference filter, 2.4-2.5GHz (2.0dBi) / 4.9-5.875GHz (5.0dBi), Omni-Directional Direct-Mount Antenna. RP-SMA Connector (Aruba networks AP-ANT-1F).....	58.63	
27 29 00 00-0055	EA	2.4-2.5GHz (3.8dBi) / 4.9-5.875GHz (5.8dBi), High-Gain Omni-Directional Detachable Antenna. RP-SMA (Pair) (Aruba networks AP-ANT-1BP).....	117.26	
27 29 00 00-0056	EA	2.4-2.5GHz (3.0dBi)/ 4.9-5.99GHz (4.0dBi), Down-tilt, Omni-Directional Diversity Antenna c/w overhang mount hardware. N-Type Connector (Aruba networks AP-ANT-90).....	1,172.64	
27 29 00 00-0057	EA	2.4-2.5GHz (6.0dBi) / 4.9-5.875GHz (5.0dBi), 3 Element MIMO 120 Degree Sector Antenna, mounting hardware only included; no Az/El adjustment. N-Type Connectors. To support pole mount or az/el adjustment on wall mount, order AP-ANT-MNT-1 kit in addition to antenna. (Aruba networks AP-ANT-92).....	713.36	
27 29 00 00-0058	EA	5.125-6.1GHz (14.0dBi), 3 Element MIMO High-Gain 20 Degree Directional Panel Antenna, N-Type Female, Az/El mounting kit included, Cables NOT included (Aruba networks AP-ANT-93).....	967.43	
27 29 00 00-0059	EA	Dual Band, 120 Degree Sector, 5 dBi, ±45 Polarization, 2 Element MIMO, 2x 3ft pigtails, N-type connectors. To support pole mount or az/el adjustment on wall mount, order AP-ANT-MNT-1 kit in addition to antenna. (Aruba networks ANT-2X2-D805).....	713.36	
27 29 00 00-0060	EA	Dual Band, 60 Degree Sector, 7 dBi, ±45 Polarization, 2 Element MIMO, 2x 3ft pigtails, N-type connectors. To support pole mount or az/el adjustment on wall mount, order AP-ANT-MNT-1 kit in addition to antenna. (Aruba networks ANT-2X2-D607).....	713.36	
27 29 00 00-0061	EA	Pair (H/V Polarization) 2.4GHz, Omni-directional, 5dBi, Direct-mount, N-type connectors. Pole mount, I-beam, and ceiling tile mount hardware included. Requires N-male to N-female extension cable if not used in direct mount. (Aruba networks ANT-2x2-2005).....	576.55	
27 29 00 00-0062	EA	2.4 GHz, 14 dBi, 30 Degree x 30 Degree, H and V polarized MIMO High-Gain Directional Panel Antenna, 2 x N-Type female connectors, Cable NOT Included. Outdoor rated. (Aruba networks ANT-2X2-2314).....	830.62	
27 29 00 00-0063	EA	2.4 GHz, 14.0 dBi, 70 Degree, ±45 Degree polarized 2 Element MIMO High-Gain Directional Panel Antenna, 2x N-Type Female connectors, Cables NOT included. (Aruba networks ANT-2x2-2714).....	771.99	
27 29 00 00-0064	EA	Pair (H/V Polarization) 5GHz, Omni-directional, 5dBi, Direct-mount, N-type connectors. Pole mount, I-beam, and ceiling tile mount hardware included. Requires N-male to N-female extension cable if not used in direct mount. (Aruba networks ANT-2x2-5005).....	576.55	
27 29 00 00-0065	EA	Pair (H/V Polarization) 5GHz, Omni-directional, 10dBi, Direct-mount, N-type connector. Pole mount, I-beam, and ceiling tile mount hardware included. Requires N-male to N-female extension cable if not used in direct mount. (Aruba networks ANT-2x2-5010).....	771.99	
27 29 00 00-0066	EA	5.15-5.9 GHz, 14 dBi, 30 Degree x 30 Degree, H and V polarized MIMO High-Gain Directional Panel Antenna, 2 x N-Type female connectors, Cable NOT Included. Outdoor rated. (Aruba networks ANT-2X2-5314).....	830.62	
27 29 00 00-0067	EA	4.9-5.9 GHz, 14.0 dBi, 60 Degree, ±45 Degree polarized 2 Element MIMO High-Gain Directional Panel Antenna, 2x N-Type Female connectors, Cables NOT included. Note: The ANT-2x2-5614 antenna is not approved for use in North America; select ANT-2x2-5614L or ANT-2x2-5614U instead. (Aruba networks ANT-2x2-5614).....	771.99	
27 29 00 00-0068	EA	5.5-5.9 GHz, 14.0 dBi, 60 Degree, ±45 Degree polarized 2 Element MIMO High-Gain Directional Panel Antenna, 2x N-Type Female connectors, Cables NOT included (Aruba networks ANT-2x2-5614U).....	771.99	
27 29 00 00-0069	EA	4.9-5.5 GHz, 14.0 dBi, 60 Degree, ±45 Degree polarized 2 Element MIMO High-Gain Directional Panel Antenna, 2x N-Type Female connectors, Cables NOT included. (Aruba networks ANT-2x2-5614L).....	771.99	
27 29 00 00-0070	EA	Azimuth and Elevation adjustable Mount Kit for AP-ANT-17, AP-ANT-18, AP-ANT-92, ANT-2x2-D607 and ANT-2x2-D805. Includes hardware for pole or wall mounting with AZ/EL adjustment. (Aruba networks AP-ANT-MNT-1).....	185.67	
27 29 00 00-0071	EA	In-line RF antenna cellular interference filter (high-pass). RP-SMA connectors (Aruba networks AP-HPF-SMA).....	58.63	
27 29 00 00-0072	EA	Aruba Outdoor Antenna Lightning Arrester for outdoor Access Points: Single, In-line lightning arrester with N-type Male to N-type Female interface. Supports RF frequency passthrough of 2Ghz – 6Ghz. (Aruba networks AP-LAR-1).....	293.16	
27 29 00 00-0073	EA	Aruba Outdoor Antenna Lightning Arrester for outdoor Access Points: Single, In-line lightning arrester with N-type Male to N-type Female interface. Supports RF frequency Passband of 2.4-2.5 GHz (Aruba networks AP-LAR-24).....	293.16	
27 29 00 00-0074	EA	1 Port 802.3af PoE Midspan 10/100 15.4W (Aruba networks PD-3501-AC).....	87.95	
27 29 00 00-0075	EA	1 Port 802.3af PoE Midspan 10/100/1000 15.4W (Aruba networks PD-3501G-AC).....	185.67	
27 29 00 00-0076	EA	1 Port 802.3at PoE Midspan 10/100/1000 30W (Aruba networks PD-9001G-AC).....	283.39	
27 29 00 00-0077	EA	1 Port 802.3at 4P PoE Midspan 10/100/1000 60W (Aruba networks PD-9501G-AC).....	478.83	
27 29 00 00-0078	EA	1 Port 802.3at PoE Midspan 10/100/1000 30W Outdoor; NA power cord (Aruba networks PD-9001GO-NA).....	1,358.31	
27 29 00 00-0079	EA	1 PORT GE 802.3AT MIDSPAN (Aruba networks PD-9001GR-AC).....	283.39	
27 29 00 00-0080	EA	1 Port 802.3at PoE Midspan 10/100/1000 30W Outdoor; EU/International power cord (Aruba networks PD-9001GO-INTL).....	1,358.31	
27 29 00 00-0081	EA	Pole / Mast mount kit for outdoor POE midspan injectors (Aruba networks PD-MOUNT-OD).....	244.30	
<b>27 29 00 00-0082</b>		<b>Remote Access Points</b> (27 29 00 00-0001)		
27 29 00 00-0083	EA	Aruba RAP-5WN Multi-port Remote Access Point (Wireless, 1x 100/1000Base-T And 4x 10/100Base-T) (Aruba networks RAP-5WN).....	1,162.87	
27 29 00 00-0084	EA	Aruba RAP-5WN Multi-port Remote Access Point (Wireless, 1x 100/1000Base-T And 4x 10/100Base-T), FIPS/TAA (Aruba networks RAP-5WN-F1).....	1,358.31	
27 29 00 00-0085	EA	Aruba RAP-5WN Multi-port Remote Access Point (Wireless, 1x 100/1000Base-T And 4x 10/100Base-T) NA (Aruba networks RAP-5WN-US).....	1,162.87	
27 29 00 00-0086	EA	Contains: Aruba RAP-2WG remote access point with single radio 802.11B/G, integrated antenna, 2 x 10/100Base-T (RJ-45), 1 x North America 12V AC power adapter, 1x 6ft Ethernet cable and Installation Guide. (Aruba networks RAP-2WG-US).....	193.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0087 EA Contains: Aruba RAP-2WG remote access point with single radio 802.11'B/G', integrated antenna, 2 x 10/100Base-T (RJ-45), 1 x Continental Europe (Europlug) 12V AC power adapter, 1x 6ft Ethernet cable and Installation Guide. (Aruba networks RAP-2WG-EU).....	193.49	
27 29 00 00-0088 EA Contains: Aruba RAP-2WG remote access point with single radio 802.11'B/G', integrated antenna, 2 x 10/100Base-T (RJ-45), 1 x Universal 12V AC power adapter, 1x 6ft Ethernet cable and Installation Guide. (Aruba networks RAP-2WG).....	224.76	
27 29 00 00-0089 EA Aruba RAP-3WN Remote Access Point (wireless, 3x10/100Base-T, USB), Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel. (Aruba networks RAP-3WN).....	576.55	
27 29 00 00-0090 EA Aruba RAP-3WN Remote Access Point (wireless, 3x10/100Base-T, USB) - Restricted regulatory domain: United States (Aruba networks RAP-3WN-US).....	576.55	
27 29 00 00-0091 EA Aruba RAP-3WN Remote Access Point (wireless, 3x10/100Base-T, USB) - Restricted regulatory domain: Japan (Aruba networks RAP-3WN-JP).....	576.55	
27 29 00 00-0092 EA Aruba RAP-3WNP Remote Access Point (wireless, 3x10/100Base-T, USB, POE out). Note: unit ships without AC power cord. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel. (Aruba networks RAP-3WNP).....	674.27	
27 29 00 00-0093 EA Aruba RAP-3WNP Remote Access Point (wireless, 3x10/100Base-T, USB, POE out) - Restricted regulatory domain: United States. Note: unit ships without AC power cord. (Aruba networks RAP-3WNP-US).....	674.27	
27 29 00 00-0094 EA Aruba RAP-3WNP Remote Access Point (wireless, 3x10/100Base-T, USB, POE out) - Restricted regulatory domain: Japan. Note: unit ships without AC power cord. (Aruba networks RAP-3WNP-JP).....	674.27	
27 29 00 00-0095 EA Aruba RAP-108 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, antenna connectors - Restricted regulatory domain: Rest of World (Aruba networks RAP-108).....	1,162.87	
27 29 00 00-0096 EA Aruba RAP-108 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, antenna connectors - Restricted regulatory domain: United States (Aruba networks RAP-108-US).....	1,162.87	
27 29 00 00-0097 EA Aruba RAP-108 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, antenna connectors - Restricted regulatory domain: Japan (Aruba networks RAP-108-JP).....	1,162.87	
27 29 00 00-0098 EA Aruba RAP-109 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, integrated antennas - Restricted regulatory domain: Rest of World (Aruba networks RAP-109).....	1,162.87	
27 29 00 00-0099 EA Aruba RAP-109 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, integrated antennas - Restricted regulatory domain: United States (Aruba networks RAP-109-US).....	1,162.87	
27 29 00 00-0100 EA Aruba RAP-109 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, integrated antennas - Restricted regulatory domain: Japan (Aruba networks RAP-109-JP).....	1,162.87	
27 29 00 00-0101 EA Aruba RAP-3WN Remote Access Point, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks RAP-3WN-F1).....	674.27	
27 29 00 00-0102 EA Aruba RAP-3WN Remote Access Point, Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks RAP-3WN-USF1).....	674.27	
27 29 00 00-0103 EA Aruba RAP-3WNP Remote Access Point, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks RAP-3WNP-F1).....	771.99	
27 29 00 00-0104 EA Aruba RAP-3WNP Remote Access Point, Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks RAP-3WNP-USF1).....	771.99	
27 29 00 00-0105 EA Aruba RAP-108 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, antenna connectors - Restricted regulatory domain: Rest of World, FIPS/TAA (Aruba networks RAP-108-F1).....	1,358.31	
27 29 00 00-0106 EA Aruba RAP-108 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, antenna connectors - Restricted regulatory domain: United States, FIPS/TAA (Aruba networks RAP-108-USF1).....	1,358.31	
27 29 00 00-0107 EA Aruba RAP-109 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, integrated antennas - Restricted regulatory domain: Rest of World, FIPS/TAA (Aruba networks RAP-109-F1).....	1,358.31	
27 29 00 00-0108 EA Aruba RAP-109 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, integrated antennas - Restricted regulatory domain: United States, FIPS/TAA (Aruba networks RAP-109-USF1).....	1,358.31	
27 29 00 00-0109 EA Aruba RAP-100 Series Access Point Wall and Ceiling Mount Kit (Aruba networks RAP-100-MNT).....	68.40	
27 29 00 00-0110 EA RAP-3 Series wall mount kit (Aruba networks RAP-3WN-MNT).....	68.40	
27 29 00 00-0111 EA 48 Volt DC, 36 Watt, AC-to DC power adapter (excludes country specific AC power cord) (Aruba networks AP-AC-48V36).....	127.04	
27 29 00 00-0112 EA 12 Volt DC, 18 Watt, High Temperature AC Power Adapter for compatible indoor AP models. Excludes country specific power cord. (Aruba networks AP-AC-12V18HT).....	127.04	
27 29 00 00-0113 EA RAP-3 Series serial adapter cable (proprietary to DB9 female) (Aruba networks AP-CBL-SER).....	146.58	
27 29 00 00-0114 EA 12 Volt DC Universal AC Power Adapter Kit - North America, Japan, United Kingdom, Italy, EC (Europlug), Australia, China, India, Korea (Aruba networks AP-AC-UN).....	87.95	
27 29 00 00-0115 EA 12 Volt DC, 18 Watt AC Power Adapter for compatible indoor AP models. Excludes country specific power cord (Aruba networks AP-AC-12V18).....	87.95	
27 29 00 00-0116 EA 12 Volt DC Car Power Adapter Kit for compatible Aruba Access Point models. Note: this product is approved for use in the US only. (Aruba networks AP-DC-CAR).....	127.04	
27 29 00 00-0117 EA Aruba RAP-5WN Remote Access Point Wall Mount (Aruba networks RAP-5WN-MNT).....	68.40	
<b>27 29 00 00-0118 Outdoor / Industrial Wireless Mesh Routers and Accessories (27 29 00 00-0001)</b>		
27 29 00 00-0119 EA MSR1200, dual 2x2 11N radio; 200mW; New Boot Loader; ROW model (Aruba networks MSR1K2).....	2,921.83	
27 29 00 00-0120 EA MSR1200, dual 2x2 11N radio; 200mW; New Boot Loader; Japan model (Aruba networks MSR1K2-JP).....	2,921.83	
27 29 00 00-0121 EA MSR1200, dual 2x2 11N radio; 200mW; New Boot Loader; US model (Aruba networks MSR1K2-US).....	2,921.83	
27 29 00 00-0122 EA MST200, single 2x2 11N radio; 320mW; Int Antenna; 5GHz; PoE; New Boot Loader; ROW model (Aruba networks MST2HP).....	3,117.27	
27 29 00 00-0123 EA MST200, single 2x2 11N radio; 320mW; Int Antenna; 5GHz; PoE; New Boot Loader; Japan model (Aruba networks MST2HP-JP).....	3,117.27	
27 29 00 00-0124 EA MST200, single 2x2 11N radio; 320mW; Int Antenna; 5GHz; PoE; New Boot Loader; US model (Aruba networks MST2HP-US).....	3,117.27	
27 29 00 00-0125 EA MSR2000, dual 2x2 11N radio; 320mW; PoE; New Boot Loader; ROW model (Aruba networks MSR2KP).....	6,439.75	
27 29 00 00-0126 EA MSR2000, dual 2x2 11N radio; 320mW; PoE; New Boot Loader; Japan model (Aruba networks MSR2KP-JP).....	6,439.75	
27 29 00 00-0127 EA MSR2000, dual 2x2 11N radio; 320mW; PoE; New Boot Loader; China model (Aruba networks MSR2KP-CN).....	6,439.75	
27 29 00 00-0128 EA MSR2000, dual 2x2 11N radio; 320mW; PoE; New Boot Loader; US model (Aruba networks MSR2KP-US).....	6,439.75	
27 29 00 00-0129 EA MSR2000, dual 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; ROW model (Aruba networks MSR2KAC).....	6,830.63	
27 29 00 00-0130 EA MSR2000, dual 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; Japan model (Aruba networks MSR2KAC-JP).....	6,830.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0131 EA MSR2000, dual 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; China model (Aruba networks MSR2KAC-CN).....	6,830.63	
27 29 00 00-0132 EA MSR2000, dual 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; US model (Aruba networks MSR2KAC-US).....	6,830.63	
27 29 00 00-0133 EA MSR2000, dual 2x2 11N radio; 320mW; DC powered; PSE Out; New Boot Loader; ROW model (Aruba networks MSR2KDC).....	6,830.63	
27 29 00 00-0134 EA MSR2000, dual 2x2 11N radio; 320mW; DC powered; PSE Out; New Boot Loader; Japan model (Aruba networks MSR2KDC-JP).....	6,830.63	
27 29 00 00-0135 EA MSR2000, dual 2x2 11N radio; 320mW; DC powered; PSE Out; New Boot Loader; US model (Aruba networks MSR2KDC-US).....	6,830.63	
27 29 00 00-0136 EA MSR4000, quad 2x2 11N radio; 320mW; PoE; New Boot Loader; ROW model (Aruba networks MSR4KP).....	10,739.43	
27 29 00 00-0137 EA MSR4000, quad 2x2 11N radio; 320mW; PoE; New Boot Loader; Japan model (Aruba networks MSR4KP-JP).....	10,739.43	
27 29 00 00-0138 EA MSR4000, quad 2x2 11N radio; 320mW; PoE; New Boot Loader; US model (Aruba networks MSR4KP-US).....	10,739.43	
27 29 00 00-0139 EA MSR4000, quad 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; ROW model (Aruba networks MSR4KAC).....	11,521.19	
27 29 00 00-0140 EA MSR4000, quad 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; Japan model (Aruba networks MSR4KAC-JP).....	11,521.19	
27 29 00 00-0141 EA MSR4000, quad 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; US model (Aruba networks MSR4KAC-US).....	11,521.19	
27 29 00 00-0142 EA MeshConfig Software for managing wireless mesh routers (indoor and outdoor) (Aruba networks MESH-SW-MC).....	1,944.63	
27 29 00 00-0143 EA 48 Volt DC, AC Power Adaptor, for MSR1200 mesh routers (Aruba networks AACPGKIT-00).....	97.72	
27 29 00 00-0144 EA USB console cable, 1.5 meters, apply to all indoor and outdoor products (Aruba networks ACONGESTD-00).....	31.27	
27 29 00 00-0145 EA Outdoor Installation Materials - Includes accessories that may be useful in the installation process: two electrical tape rolls, mastic tape, white tie wraps. (Aruba networks AINS2KKIT-00).....	48.86	
27 29 00 00-0146 EA Set of 2 dual band staging antennas with N-type/male connectors (direct-mount, articulating) (Aruba networks ANT-2x2-STAGE).....	146.58	
27 29 00 00-0147 EA Kit with weatherproof connector assembly to attach cable to (plastic) RJ45 interface on outdoor AP models (Aruba networks CKIT-RJ45-P).....	29.32	
27 29 00 00-0148 EA Weatherproof cable assembly to connect to (plastic) USB interface on outdoor AP models (length: 5m) (Aruba networks CBL-USB-P).....	87.95	
27 29 00 00-0149 EA Kit with weatherproof connector assembly to attach cable to (metal) RJ45 interface on outdoor AP models (Aruba networks CKIT-RJ45-M).....	185.67	
27 29 00 00-0150 EA Weatherproof cable assembly to connect to (metal) USB interface on outdoor AP models (length: 5m) (Aruba networks CBL-USB-M).....	146.58	
27 29 00 00-0151 EA Weatherproof cable assembly to connect to (metal) AC power interface on outdoor AP models (length: 5m). North America version (Aruba networks CBL-AC-NA).....	381.11	
27 29 00 00-0152 EA Weatherproof cable assembly to connect to (metal) AC power interface on outdoor AP models (length: 5m). International (EU) version (Aruba networks CBL-AC-INTL).....	381.11	
27 29 00 00-0153 EA Weatherproof cable assembly to connect to (metal) DC power interface on outdoor AP models (length: 5m) (Aruba networks CBL-DC-VW).....	381.11	
27 29 00 00-0154 EA Kit with weatherproof connector assembly to attach cable to (metal) AC power interface on outdoor AP models (Aruba networks CKIT-AC-M).....	146.58	
27 29 00 00-0155 EA Kit with weatherproof connector assembly to attach cable to (metal) DC power interface on outdoor AP models (Aruba networks CKIT-DC-M).....	146.58	
27 29 00 00-0156 EA 7D antenna cable with 2 N type Male connectors, 1 meter (Aruba networks AFC7DL01-00).....	58.63	
27 29 00 00-0157 EA 7D antenna cable with 2 N type Male connectors, 2 meters (Aruba networks AFC7DL02-00).....	70.36	
27 29 00 00-0158 EA 7D antenna cable with 2 N type Male connectors, 3 meters (Aruba networks AFC7DL03-00).....	87.95	
27 29 00 00-0159 EA 7D antenna cable with 2 N type Male connectors, 4 meters (Aruba networks AFC7DL04-00).....	107.49	
27 29 00 00-0160 EA RP-SMA/M to N/F GR316 soft jumper, 60cm; used between indoor products and 7D and 1/2" feeder (Aruba networks AFC2DL60-00).....	35.18	
27 29 00 00-0161 EA RP-SMA/M to N/M, 60cm; used between indoor products and splitter (Aruba networks AFC3JMTM-00).....	39.09	
<b>27 29 00 00-0162</b>	<b>Mobility Controllers and Accessories</b> <small>(27 29 00 00-0001)</small>	
27 29 00 00-0163 EA Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3200XM).....	9,762.23	
27 29 00 00-0164 EA Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3200XM-IL).....	9,762.23	
27 29 00 00-0165 EA Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - US (Aruba networks 3200XM-US).....	9,762.23	
27 29 00 00-0166 EA Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 8 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3200XM-8).....	10,739.43	
27 29 00 00-0167 EA Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 8 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3200XM-8-IL).....	10,739.43	
27 29 00 00-0168 EA Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 8 AP Support, Restricted Regulatory Domain - US (Aruba networks 3200XM-8-US).....	10,739.43	
27 29 00 00-0169 EA Aruba 3200 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel, FIPS and TAA Compliant (Aruba networks 3200-F1).....	11,237.80	
27 29 00 00-0170 EA Aruba 3200 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - IL, FIPS And TAA Compliant (Aruba networks 3200-ILF1).....	11,237.80	
27 29 00 00-0171 EA Aruba 3200 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - US, FIPS And TAA Compliant (Aruba networks 3200-USF1).....	11,237.80	
27 29 00 00-0172 EA Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3400).....	15,625.43	
27 29 00 00-0173 EA Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel, FIPS and TAA Compliant (Aruba networks 3400-F1).....	18,029.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0174 EA Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 32 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3400-32) .....	19,534.23	
27 29 00 00-0175 EA Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 32 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3400-32-IL).....	19,534.23	
27 29 00 00-0176 EA Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 32 AP Support, Restricted Regulatory Domain - US (Aruba networks 3400-32-US).....	19,534.23	
27 29 00 00-0177 EA Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3400-IL).....	15,625.43	
27 29 00 00-0178 EA Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - IL, FIPS And TAA Compliant (Aruba networks 3400-ILF1) .....	18,029.34	
27 29 00 00-0179 EA Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - US (Aruba networks 3400-US).....	15,625.43	
27 29 00 00-0180 EA Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - US, FIPS And TAA Compliant (Aruba networks 3400-USF1) .....	18,029.34	
27 29 00 00-0181 EA Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports , 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3600) .....	25,397.43	
27 29 00 00-0182 EA Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports , 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel, FIPS And TAA Compliant (Aruba networks 3600-F1).....	29,306.23	
27 29 00 00-0183 EA Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 64 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3600-64) .....	32,237.83	
27 29 00 00-0184 EA Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 64 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3600-64-IL).....	32,237.83	
27 29 00 00-0185 EA Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 64 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3600-64-US).....	32,237.83	
27 29 00 00-0186 EA Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports , 0 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3600-IL).....	25,397.43	
27 29 00 00-0187 EA Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports , 0 AP Support, Restricted Regulatory Domain - IL, FIPS And TAA Compliant (Aruba networks 3600-ILF1) .....	29,306.23	
27 29 00 00-0188 EA Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports , 0 AP Support, Restricted Regulatory Domain - US (Aruba networks 3600-US).....	25,397.43	
27 29 00 00-0189 EA Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports , 0 AP Support, Restricted Regulatory Domain - US, FIPS And TAA Compliant (Aruba networks 3600-USF1) .....	29,306.23	
27 29 00 00-0190 EA Aruba 6000 Base System, SPOE Power, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 6000-400).....	7,807.83	
27 29 00 00-0191 EA Aruba 6000 Base System, SPOE Power, Restricted Regulatory Domain - IL (Aruba networks 6000-400-IL).....	7,807.83	
27 29 00 00-0192 EA Aruba 6000 Base System, SPOE Power, Restricted Regulatory Domain - US (Aruba networks 6000-400-US).....	7,807.83	
27 29 00 00-0193 EA Aruba 6000 Base System, SPOE Power, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel, FIPS And TAA Compliant (Aruba networks 6000-400-F1).....	15,136.83	
27 29 00 00-0194 EA Aruba 6000 Base System, SPOE Power, Restricted Regulatory Domain - US, FIPS And TAA Compliant (Aruba networks 6000-400-USF1).....	15,136.83	
27 29 00 00-0195 EA Aruba 6000 Base System, SPOE Power, Restricted Regulatory Domain - IL, FIPS And TAA Compliant (Aruba networks 6000-400-ILF1) .....	15,136.83	
27 29 00 00-0196 EA Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 620) .....	2,872.97	
27 29 00 00-0197 EA Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel, FIPS And TAA Compliant (Aruba networks 620-F1).....	3,302.94	
27 29 00 00-0198 EA Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Restricted Regulatory Domain - IL, FIPS And TAA Compliant (Aruba networks 620-ILF1).....	3,302.94	
27 29 00 00-0199 EA Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Restricted Regulatory Domain - US, FIPS And TAA Compliant (Aruba networks 620-USF1).....	3,302.94	
27 29 00 00-0200 EA Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 4 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 620-4) .....	3,420.20	
27 29 00 00-0201 EA Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Restricted Regulatory Domain - IL (Aruba networks 620-IL).....	2,872.97	
27 29 00 00-0202 EA Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 4 AP Support, Restricted Regulatory Domain - IL (Aruba networks 620-4-IL).....	3,420.20	
27 29 00 00-0203 EA Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Restricted Regulatory Domain - US (Aruba networks 620-US) .....	2,872.97	
27 29 00 00-0204 EA Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 4 AP Support, Restricted Regulatory Domain - US (Aruba networks 620-4-US) .....	3,420.20	
27 29 00 00-0205 EA Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 650) .....	4,583.07	
27 29 00 00-0206 EA Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel, FIPS And TAA Compliant (Aruba networks 650-F1).....	5,267.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 29 00 00-0207	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Restricted Regulatory Domain - IL, FIPS And TAA Compliant (Aruba networks 650-ILF1).....	5,267.11	
27 29 00 00-0208	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Restricted Regulatory Domain - US, FIPS And TAA Compliant (Aruba networks 650-USF1).....	5,267.11	
27 29 00 00-0209	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 8 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 650-8).....	5,657.99	
27 29 00 00-0210	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Restricted Regulatory Domain - IL (Aruba networks 650-IL).....	4,583.07	
27 29 00 00-0211	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 8 AP Support, Restricted Regulatory Domain - IL (Aruba networks 650-8-IL).....	5,657.99	
27 29 00 00-0212	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Restricted Regulatory Domain - US (Aruba networks 650-US).....	4,583.07	
27 29 00 00-0213	EA		Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 8 AP Support, Restricted Regulatory Domain - US (Aruba networks 650-8-US).....	5,657.99	
27 29 00 00-0214	EA		Aruba 6000 Series Base 4-Slot Chassis (Excludes Fan Tray), Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks HW-CHAS).....	2,931.60	
27 29 00 00-0215	EA		Aruba 6000 Series Base 4-Slot Chassis (Excludes Fan Tray), Restricted Regulatory Domain - IL (Aruba networks HW-CHAS-IL).....	2,931.60	
27 29 00 00-0216	EA		Aruba 6000 Series Base 4-Slot Chassis (Excludes Fan Tray), Restricted Regulatory Domain - US (Aruba networks HW-CHAS-US).....	2,931.60	
27 29 00 00-0217	EA		Aruba 6000 Series Replacement Fan Tray (Aruba networks HW-FT).....	977.20	
27 29 00 00-0218	EA		Aruba 6000 Series Power Supply - 200 Watt (Aruba networks HW-PSU-200).....	977.20	
27 29 00 00-0219	EA		Aruba 6000 Series Power Supply - 400 Watt (Aruba networks HW-PSU-400).....	1,954.40	
27 29 00 00-0220	EA		Aruba GBIC Interface Adapter - T (Aruba networks LC-GBIC-T).....	977.20	
27 29 00 00-0221	EA		Aruba Multi-Service Controller Module Mark I, 10x 1000Base-X (SFP), 2x 10GBase-X (XFP), (128 AP Support) (Aruba networks M3mk1-128-S).....	68,394.23	
27 29 00 00-0222	EA		Aruba Multi-Service Controller Module Mark I, 10x 1000Base-X (SFP), 2x 10GBase-X (XFP), (0 AP Support) (Aruba networks M3mk1-S).....	52,759.03	
27 29 00 00-0223	EA		Aruba Multi-Service Controller Module Mark I, 10x 1000Base-X (SFP), 2x 10GBase-X (XFP), (0 AP Support), FIPS/TAA (Aruba networks M3mk1-S-F1).....	60,684.12	
27 29 00 00-0224	EA		Aruba 7210, 4x 10GBase-X (SFP+), 1x 350W AC PS, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 7210).....	33,215.03	
27 29 00 00-0225	EA		Aruba 7210, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - IL (Aruba networks 7210-IL).....	33,215.03	
27 29 00 00-0226	EA		Aruba 7210, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - US (Aruba networks 7210-US).....	33,215.03	
27 29 00 00-0227	EA		Aruba 7220, 4x 10GBase-X (SFP+), 1x 350W AC PS, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 7220).....	49,827.43	
27 29 00 00-0228	EA		Aruba 7220, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - IL (Aruba networks 7220-IL).....	49,827.43	
27 29 00 00-0229	EA		Aruba 7220, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - US (Aruba networks 7220-US).....	49,827.43	
27 29 00 00-0230	EA		Aruba 7240, 4x 10GBase-X (SFP+), 1x 350W AC PS, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 7240).....	74,257.43	
27 29 00 00-0231	EA		Aruba 7240, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - IL (Aruba networks 7240-IL).....	74,257.43	
27 29 00 00-0232	EA		Aruba 7240, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - US (Aruba networks 7240-US).....	74,257.43	
27 29 00 00-0233	EA		Aruba 7200 Series Fan Tray (Aruba networks HW-7200-FT).....	381.11	
27 29 00 00-0234	EA		Aruba 7200 Series Expansion Slot Blank Panel (Aruba networks SPR-ESBLNK).....	87.95	
27 29 00 00-0235	EA		Aruba Supervisor Card I System Upgrade (48 AP to 128 AP Support) (Aruba networks SC-48-C1-UG-128).....	9,772.00	
27 29 00 00-0236	EA		1000BASE-LX SFP; 1310nm pluggable GbE optic; LC connector; up to 10,000 meters over single-mode fiber (Aruba networks SFP-LX).....	1,260.59	
27 29 00 00-0237	EA		1000BASE-SX SFP; 850nm pluggable GbE optic; LC connector; up to 300 meters over multi-mode fiber (Type OM2) (Aruba networks SFP-SX).....	771.99	
27 29 00 00-0238	EA		1000BASE-T SFP; copper GbE pluggable; RJ45 connector; up to 100 meters over Category-5, 5E, 6 and 6A unshielded twisted pair cable (Aruba networks SFP-TX).....	576.55	
27 29 00 00-0239	EA		Aruba XFP - 1310nm serial pluggable XFP optic (LC) for up to 10km over SMF (Aruba networks XFP-LR).....	8,785.03	
27 29 00 00-0240	EA		Aruba XFP - 850nm serial pluggable XFP optic (LC), target range 300m over MMF (Aruba networks XFP-SR).....	4,485.35	
27 29 00 00-0241	EA		Aruba 3200 Controller 1GB memory upgrade kit (Aruba networks 3200-MEM-UG).....	771.99	

### 27 29 00 00-0242 Other (27 29 00 00-0001)

27 29 00 00-0243	EA		AP-100 SERIES MOUNT KIT (Aruba networks AP-105-MNT).....	87.95	
27 29 00 00-0244	EA		AP-100 SERIES CEILING RAIL MOUNT KIT (Aruba networks AP-105-MNT-C).....	29.32	
27 29 00 00-0245	EA		AP-100 SERIES CEILING RAIL MOUNT KIT V2 (Aruba networks AP-105-MNT-C2).....	48.86	
27 29 00 00-0246	EA		AP-100 SERIES MOUNT KIT DC PWR (Aruba networks AP-105-MNT-DC).....	87.95	
27 29 00 00-0247	EA		Aruba 120 Series Wireless Access Point Wall / Ceiling Mounting Kit (Aruba networks AP-120-MNT).....	68.40	
27 29 00 00-0248	EA		AP-120 SERIES MOUNT KIT (Aruba networks AP-120-MNT-WJ).....	185.67	
27 29 00 00-0249	EA		AP-120 Cover Kit (Aruba networks AP-120-MNT-CV).....	107.49	
27 29 00 00-0250	EA		AP-130 SERIES MOUNT KIT (Aruba networks AP-130-MNT).....	48.86	
27 29 00 00-0251	EA		AP-130 SERIES MOUNT KIT V2 (Aruba networks AP-130-MNT-W2).....	146.58	
27 29 00 00-0252	EA		AP-130 SERIES CEILING RAIL MOUNT KIT V2 (Aruba networks AP-130-MNT-C2).....	48.86	
27 29 00 00-0253	EA		AP-90 SERIES MOUNT KIT (Aruba networks AP-90-MNT).....	68.40	
27 29 00 00-0254	EA		AP-90 SERIES MOUNT KIT V2 (Aruba networks AP-90-MNT-W2).....	87.95	
27 29 00 00-0255	EA		AP-90 SERIES CEILING RAIL MOUNT KIT V2 (Aruba networks AP-90-MNT-C2).....	48.86	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0256	EA		Aruba Outdoor Antenna Cable Extension - 10' Long low-loss LMR 400 antenna extension cable for use with Outdoor Access Points, interfaces AP N-Type Female interface to N-Type Male on antenna. (Aruba networks AP-CBL-1) .....	214.98	
27 29 00 00-0257	EA		Aruba 620 Desk Stand Kit (Aruba networks HW-620-MNT-DESK) .....	166.12	
27 29 00 00-0258	EA		Aruba 620 19" Equipment Rack Mounting Kit (Aruba networks HW-620-MNT-19) .....	283.39	
27 29 00 00-0259	EA		Aruba 3000 Series Replacement 19" Equipment Rack Mounting Kit (Aruba networks HW-3000-MNT-19) .....	97.72	
27 29 00 00-0260	EA		Aruba 6000 Series Replacement 19" Equipment Rack Mounting Kit (Aruba networks HW-MNT-19) .....	97.72	
27 29 00 00-0261	EA		Aruba 6000 Series Power Supply Unit Slot Blank Panel (Aruba networks HW-PSU-BLANK) .....	117.26	
27 29 00 00-0262	EA		Aruba 6000 Series Supervisor / Line Card Slot Blank Panel (Aruba networks HW-SC-LC-BLANK) .....	117.26	
<b>27 29 00 00-0263 ArubaOS Software (27 29 00 00-0001)</b>					
27 29 00 00-0264	EA		Security Software Bundle for A200 (8 AP License) (Aruba networks LIC-200-SEC) .....	1,368.08	
27 29 00 00-0265	EA		Security Software Bundle for A800-4 (4 AP License) (Aruba networks LIC-804-SEC) .....	1,954.40	
27 29 00 00-0266	EA		Security Software Bundle for A800-16 (16 AP License) (Aruba networks LIC-800-SEC) .....	7,817.60	
27 29 00 00-0267	EA		Security Software Bundle Upgrade LIC-804-SEC to LIC-800-SEC (Aruba networks 804-UG-SEC-1) .....	5,863.20	
27 29 00 00-0268	EA		Security Software Bundle for A2400-48 (48 AP License) (Aruba networks LIC-2400-SEC) .....	15,635.20	
27 29 00 00-0269	EA		Security Software Bundle for Supervisor Card I (48 AP License) (Aruba networks LIC-SC1-SEC-48) .....	19,544.00	
27 29 00 00-0270	EA		Security Software Bundle for Supervisor Card I (128 AP License) (Aruba networks LIC-SC1-SEC) .....	31,270.40	
27 29 00 00-0271	EA		Security Software Bundle for Supervisor Card II (256 AP License) (Aruba networks LIC-SC2-SEC) .....	15,635.20	
27 29 00 00-0272	EA		Security Software for Supervisor Card I (Upgrade 48 AP to 128 AP) (Aruba networks LIC-SC1-SEC-UG-1) .....	19,544.00	
27 29 00 00-0273	EA		Policy Enforcement Firewall Module for A200 (8 AP License) (Aruba networks LIC-200-PEF) .....	684.04	
27 29 00 00-0274	EA		Policy Enforcement Firewall Module for A800-4 (4 AP License) (Aruba networks LIC-804-PEF) .....	977.20	
27 29 00 00-0275	EA		Policy Enforcement Firewall Module for A800-16 (16 AP License) (Aruba networks LIC-800-PEF) .....	3,908.80	
27 29 00 00-0276	EA		Policy Enforcement Firewall Upgrade LIC-804-PEF to LIC-800-PEF (Aruba networks 804-UG-PEF-1) .....	2,931.60	
27 29 00 00-0277	EA		Policy Enforcement Firewall Module for A2400-48 (48 AP License) (Aruba networks LIC-2400-PEF) .....	7,817.60	
27 29 00 00-0278	EA		Policy Enforcement Firewall Module for Aruba Supervisor Card I (48 AP) (Aruba networks LIC-SC1-PEF-48) .....	9,772.00	
27 29 00 00-0279	EA		Policy Enforcement Firewall Module for Aruba Supervisor Card I (128 AP) (Aruba networks LIC-SC1-PEF) .....	15,635.20	
27 29 00 00-0280	EA		Policy Enforcement Firewall Module for Aruba Supervisor Card II (256 AP) (Aruba networks LIC-SC2-PEF) .....	31,270.40	
27 29 00 00-0281	EA		Policy Enforcement Firewall for Supervisor Card I (Upgrade 48 AP to 128 AP) (Aruba networks LIC-SC1-PEF-UG-1) .....	9,772.00	
27 29 00 00-0282	EA		Policy Enforcement Firewall Module License (32 Users) (Aruba networks LIC-PEF-32) .....	566.78	
27 29 00 00-0283	EA		Policy Enforcement Firewall Module License (64 Users) (Aruba networks LIC-PEF-64) .....	1,074.92	
27 29 00 00-0284	EA		Policy Enforcement Firewall Module License (128 Users) (Aruba networks LIC-PEF-128) .....	2,052.12	
27 29 00 00-0285	EA		Policy Enforcement Firewall Module License (256 Users) (Aruba networks LIC-PEF-256) .....	3,908.80	
27 29 00 00-0286	EA		Policy Enforcement Firewall Module License (512 Users) (Aruba networks LIC-PEF-512) .....	7,426.72	
27 29 00 00-0287	EA		Policy Enforcement Firewall Module License (1024 Users) (Aruba networks LIC-PEF-1024) .....	14,071.68	
27 29 00 00-0288	EA		Policy Enforcement Firewall Module License (2048 Users) (Aruba networks LIC-PEF-2048) .....	26,579.84	
27 29 00 00-0289	EA		Policy Enforcement Firewall Module License (4096 Users) (Aruba networks LIC-PEF-4096) .....	47,843.71	
27 29 00 00-0290	EA		Policy Enforcement Firewall Module License (8192 Users) (Aruba networks LIC-PEF-8192) .....	85,055.49	
27 29 00 00-0291	EA		Policy Enforcement Firewall (1 AP License) (Aruba networks LIC-PEFNG-1) .....	156.35	
27 29 00 00-0292	EA		Policy Enforcement Firewall (2 AP License) (Aruba networks LIC-PEFNG-2) .....	293.16	
27 29 00 00-0293	EA		Policy Enforcement Firewall (4 AP License) (Aruba networks LIC-PEFNG-4) .....	566.78	
27 29 00 00-0294	EA		Policy Enforcement Firewall (8 AP License) (Aruba networks LIC-PEFNG-8) .....	1,074.92	
27 29 00 00-0295	EA		Policy Enforcement Firewall (16 AP License) (Aruba networks LIC-PEFNG-16) .....	2,052.12	
27 29 00 00-0296	EA		Policy Enforcement Firewall (32 AP License) (Aruba networks LIC-PEFNG-32) .....	3,908.80	
27 29 00 00-0297	EA		Policy Enforcement Firewall (64 AP License) (Aruba networks LIC-PEFNG-64) .....	7,426.72	
27 29 00 00-0298	EA		Policy Enforcement Firewall (128 AP License) (Aruba networks LIC-PEFNG-128) .....	14,071.68	
27 29 00 00-0299	EA		Policy Enforcement Firewall (256 AP License) (Aruba networks LIC-PEFNG-256) .....	26,579.84	
27 29 00 00-0300	EA		Policy Enforcement Firewall (384 AP License) (Aruba networks LIC-PEFNG-384) .....	37,876.27	
27 29 00 00-0301	EA		Policy Enforcement Firewall (512 AP License) (Aruba networks LIC-PEFNG-512) .....	47,843.71	
27 29 00 00-0302	EA		Policy Enforcement Firewall (1024 AP License) (Aruba networks LIC-PEFNG-1024) .....	85,055.49	
27 29 00 00-0303	EA		Policy Enforcement Firewall (2048 AP License) (Aruba networks LIC-PEFNG-2048) .....	148,847.10	
27 29 00 00-0304	EA		Policy Enforcement Firewall for Aruba 620 (VIA/VPN users) (Aruba networks LIC-620-PEFV) .....	781.76	
27 29 00 00-0305	EA		Policy Enforcement Firewall for Aruba 650 (VIA/VPN users) (Aruba networks LIC-650-PEFV) .....	1,563.52	
27 29 00 00-0306	EA		Policy Enforcement Firewall for Aruba 651 (VIA/VPN users) (Aruba networks LIC-651-PEFV) .....	1,563.52	
27 29 00 00-0307	EA		Policy Enforcement Firewall for Aruba 3200 (VIA/VPN users) (Aruba networks LIC-3200-PEFV) .....	5,276.88	
27 29 00 00-0308	EA		Policy Enforcement Firewall for Aruba 3400 (VIA/VPN users) (Aruba networks LIC-3400-PEFV) .....	9,576.56	
27 29 00 00-0309	EA		Policy Enforcement Firewall for Aruba 3600 (VIA/VPN users) (Aruba networks LIC-3600-PEFV) .....	9,576.56	
27 29 00 00-0310	EA		Policy Enforcement Firewall for Aruba M3 (VIA/VPN users) (Aruba networks LIC-M3-PEFV) .....	9,576.56	
27 29 00 00-0311	EA		Policy Enforcement Firewall for Aruba 7210 (VIA/VPN users) (Aruba networks LIC-7210-PEFV) .....	31,270.40	
27 29 00 00-0312	EA		Policy Enforcement Firewall for Aruba 7220 (VIA/VPN users) (Aruba networks LIC-7220-PEFV) .....	46,905.60	
27 29 00 00-0313	EA		Policy Enforcement Firewall for Aruba 7240 (VIA/VPN users) (Aruba networks LIC-7240-PEFV) .....	62,540.80	
27 29 00 00-0314	EA		Wireless Intrusion Protection Module for A200 (8 AP License) (Aruba networks LIC-200-WIP) .....	684.04	
27 29 00 00-0315	EA		Wireless Intrusion Protection Module for A800-4 (4 AP License) (Aruba networks LIC-804-WIP) .....	977.20	
27 29 00 00-0316	EA		Wireless Intrusion Protection Module for A800-16 (16 AP License) (Aruba networks LIC-800-WIP) .....	3,908.80	
27 29 00 00-0317	EA		Wireless Intrusion Protection Module Upgrade LIC-804-WIP to LIC-800-WIP (Aruba networks 804-UG-WIP-1) .....	2,931.60	
27 29 00 00-0318	EA		Wireless Intrusion Protection Module for A2400-48 (48 AP License) (Aruba networks LIC-2400-WIP) .....	7,817.60	
27 29 00 00-0319	EA		Wireless Intrusion Protection Module for Aruba Supervisor Card I (48 AP) (Aruba networks LIC-SC1-WIP-48) .....	9,772.00	
27 29 00 00-0320	EA		Wireless Intrusion Protection Module for Aruba Supervisor Card I (128 AP) (Aruba networks LIC-SC1-WIP) .....	15,635.20	
27 29 00 00-0321	EA		Wireless Intrusion Protection Module for Aruba Supervisor Card II (256 AP) (Aruba networks LIC-SC2-WIP) .....	31,270.40	
27 29 00 00-0322	EA		Wireless Intrusion Protection for Sup. Card I (Upgrade 48 AP to 128 AP) (Aruba networks LIC-SC1-WIP-UG-1) .....	9,772.00	
27 29 00 00-0323	EA		RF Protect License including WIP and Spectrum (1 AP Support) (Aruba networks LIC-RFP-1) .....	136.81	
27 29 00 00-0324	EA		RF Protect License including WIP and Spectrum (2 AP Support) (Aruba networks LIC-RFP-2) .....	254.07	
27 29 00 00-0325	EA		RF Protect License including WIP and Spectrum (4 AP Support) (Aruba networks LIC-RFP-4) .....	469.06	
27 29 00 00-0326	EA		RF Protect License including WIP and Spectrum (8 AP Support) (Aruba networks LIC-RFP-8) .....	879.48	
27 29 00 00-0327	EA		RF Protect License including WIP and Spectrum (16 AP Support) (Aruba networks LIC-RFP-16) .....	1,641.70	
27 29 00 00-0328	EA		RF Protect License including WIP and Spectrum (32 AP Support) (Aruba networks LIC-RFP-32) .....	3,127.04	
27 29 00 00-0329	EA		RF Protect License including WIP and Spectrum (64 AP Support) (Aruba networks LIC-RFP-64) .....	5,921.83	
27 29 00 00-0330	EA		RF Protect License including WIP and Spectrum (128 AP Support) (Aruba networks LIC-RFP-128) .....	11,179.17	
27 29 00 00-0331	EA		RF Protect License including WIP and Spectrum (256 AP Support) (Aruba networks LIC-RFP-256) .....	20,130.32	



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CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 29 00 00-0332	EA	RF Protect License including WIP and Spectrum (384 AP Support) (Aruba networks LIC-RFP-384)	28,514.70	
27 29 00 00-0333	EA	RF Protect License including WIP and Spectrum (512 AP Support) (Aruba networks LIC-RFP-512)	35,785.06	
27 29 00 00-0334	EA	RF Protect License including WIP and Spectrum (1024 AP Support) (Aruba networks LIC-RFP-1024)	62,618.98	
27 29 00 00-0335	EA	RF Protect License including WIP and Spectrum (2048 AP Support) (Aruba networks LIC-RFP-2048)	107,335.65	
27 29 00 00-0336	EA	Upgrade 800-04 to 800-16 (4 AP to 16 AP) (Aruba networks 804-UG-800)	5,863.20	
27 29 00 00-0337	EA	Access Point License (1 Access Point License) (Aruba networks LIC-1-AP)	146.58	
27 29 00 00-0338	EA	Access Point License (2 Access Point License) (Aruba networks LIC-2-AP)	293.16	
27 29 00 00-0339	EA	Access Point License (4 Access Point License) (Aruba networks LIC-4-AP)	586.32	
27 29 00 00-0340	EA	Access Point License (8 Access Point License) (Aruba networks LIC-8-AP)	1,172.64	
27 29 00 00-0341	EA	Access Point License (16 Access Point License) (Aruba networks LIC-16-AP)	2,345.28	
27 29 00 00-0342	EA	Access Point License (32 Access Point License) (Aruba networks LIC-32-AP)	4,456.03	
27 29 00 00-0343	EA	Access Point License (64 Access Point License) (Aruba networks LIC-64-AP)	8,443.01	
27 29 00 00-0344	EA	Access Point License (128 Access Point License) (Aruba networks LIC-128-AP)	15,947.90	
27 29 00 00-0345	EA	Access Point License (256 Access Point License) (Aruba networks LIC-256-AP)	30,312.74	
27 29 00 00-0346	EA	Access Point License (384 Access Point License) (Aruba networks LIC-384-AP)	44,267.16	
27 29 00 00-0347	EA	Access Point License (512 Access Point License) (Aruba networks LIC-512-AP)	57,420.27	
27 29 00 00-0348	EA	Access Point License (1024 Access Point License) (Aruba networks LIC-1024-AP)	108,449.66	
27 29 00 00-0349	EA	Access Point License (2048 Access Point License) (Aruba networks LIC-2048-AP)	204,137.08	
27 29 00 00-0350	EA	Security Software Bundle (1 AP License) (Aruba networks LIC-SEC-1)	293.16	
27 29 00 00-0351	EA	Security Software Bundle (2 AP License) (Aruba networks LIC-SEC-2)	547.23	
27 29 00 00-0352	EA	Security Software Bundle (4 AP License) (Aruba networks LIC-SEC-4)	1,035.83	
27 29 00 00-0353	EA	Security Software Bundle (8 AP License) (Aruba networks LIC-SEC-8)	1,954.40	
27 29 00 00-0354	EA	Security Software Bundle (16 AP License) (Aruba networks LIC-SEC-16)	3,693.82	
27 29 00 00-0355	EA	Security Software Bundle (32 AP License) (Aruba networks LIC-SEC-32)	7,035.84	
27 29 00 00-0356	EA	Security Software Bundle (64 AP License) (Aruba networks LIC-SEC-64)	13,348.55	
27 29 00 00-0357	EA	Security Software Bundle (128 AP License) (Aruba networks LIC-SEC-128)	25,250.85	
27 29 00 00-0358	EA	Security Software Bundle (256 AP License) (Aruba networks LIC-SEC-256)	46,710.16	
27 29 00 00-0359	EA	Security Software Bundle (384 AP License) (Aruba networks LIC-SEC-384)	66,390.97	
27 29 00 00-0360	EA	Security Software Bundle (512 AP License) (Aruba networks LIC-SEC-512)	83,628.78	
27 29 00 00-0361	EA	Security Software Bundle (1024 AP License) (Aruba networks LIC-SEC-1024)	147,674.46	
27 29 00 00-0362	EA	Remote Access Point License (Single Access Point License) (Aruba networks LIC-1-RAP)	146.58	
27 29 00 00-0363	EA	Remote Access Point License (4 Access Point License) (Aruba networks LIC-4-RAP)	586.32	
27 29 00 00-0364	EA	Remote Access Point License (6 Access Point License) (Aruba networks LIC-6-RAP)	879.48	
27 29 00 00-0365	EA	Remote Access Point License (8 Access Point License) (Aruba networks LIC-8-RAP)	1,172.64	
27 29 00 00-0366	EA	Remote Access Point License (16 Access Point License) (Aruba networks LIC-16-RAP)	2,345.28	
27 29 00 00-0367	EA	Remote Access Point License (24 Access Point License) (Aruba networks LIC-24-RAP)	3,517.92	
27 29 00 00-0368	EA	Remote Access Point License (32 Access Point License) (Aruba networks LIC-32-RAP)	4,456.03	
27 29 00 00-0369	EA	Remote Access Point License (48 Access Point License) (Aruba networks LIC-48-RAP)	6,684.05	
27 29 00 00-0370	EA	Remote Access Point License (64 Access Point License) (Aruba networks LIC-64-RAP)	8,443.01	
27 29 00 00-0371	EA	Remote Access Point License (128 Access Point License) (Aruba networks LIC-128-RAP)	15,947.90	
27 29 00 00-0372	EA	Remote Access Point License (256 Access Point License) (Aruba networks LIC-256-RAP)	30,312.74	
27 29 00 00-0373	EA	Remote Access Point License (512 Access Point License) (Aruba networks LIC-512-RAP)	57,420.27	
27 29 00 00-0374	EA	Remote Access Point License (1024 Access Point License) (Aruba networks LIC-1024-RAP)	108,449.66	
27 29 00 00-0375	EA	xSec Module Upgrade LIC-804-XSC to LIC-800-XSC (Aruba networks 804-UG-XSC-1)	2,931.60	
27 29 00 00-0376	EA	xSec Module for A200 (8 AP License) (Aruba networks LIC-200-XSC)	684.04	
27 29 00 00-0377	EA	xSec Module for A2400-48 (48 AP License) (Aruba networks LIC-2400-XSC)	7,817.60	
27 29 00 00-0378	EA	xSec Module for A800-16 (16 AP License) (Aruba networks LIC-800-XSC)	3,908.80	
27 29 00 00-0379	EA	xSec Module for A800-4 (4 AP License) (Aruba networks LIC-804-XSC)	977.20	
27 29 00 00-0380	EA	xSec Module for Aruba Supervisor Card I (128 AP) (Aruba networks LIC-SC1-XSC)	15,635.20	
27 29 00 00-0381	EA	xSec Module for Aruba Supervisor Card I (48 AP) (Aruba networks LIC-SC1-XSC-48)	9,772.00	
27 29 00 00-0382	EA	xSec Module for Supervisor Card I (Upgrade 48 AP to 128 AP) (Aruba networks LIC-SC1-XSC-UG-1)	9,772.00	
27 29 00 00-0383	EA	xSec Module for Aruba Supervisor Card II (256 AP) (Aruba networks LIC-SC2-XSC)	31,270.40	
27 29 00 00-0384	EA	xSec Module License (1024 Sessions) (Aruba networks LIC-XSC-1024)	14,071.68	
27 29 00 00-0385	EA	xSec Module License (32 Sessions) (Aruba networks LIC-XSC-32)	566.78	
27 29 00 00-0386	EA	xSec Module License (64 Sessions) (Aruba networks LIC-XSC-64)	1,074.92	
27 29 00 00-0387	EA	xSec Module License (128 Sessions) (Aruba networks LIC-XSC-128)	2,052.12	
27 29 00 00-0388	EA	xSec Module License (256 Sessions) (Aruba networks LIC-XSC-256)	3,908.80	
27 29 00 00-0389	EA	xSec Module License (512 Sessions) (Aruba networks LIC-XSC-512)	7,426.72	
27 29 00 00-0390	EA	xSec Module License (2048 Sessions) (Aruba networks LIC-XSC-2048)	26,579.84	
27 29 00 00-0391	EA	xSec Module License (4096 Sessions) (Aruba networks LIC-XSC-4096)	47,843.71	
27 29 00 00-0392	EA	xSec Module License (8192 Sessions) (Aruba networks LIC-XSC-8192)	85,055.49	
27 29 00 00-0393	EA	Advanced Cryptography (8 Sessions) (Aruba networks LIC-ACR-8)	1,993.49	
27 29 00 00-0394	EA	Advanced Cryptography (32 Sessions) (Aruba networks LIC-ACR-32)	7,465.81	
27 29 00 00-0395	EA	Advanced Cryptography (64 Sessions) (Aruba networks LIC-ACR-64)	14,032.59	
27 29 00 00-0396	EA	Advanced Cryptography (128 Sessions) (Aruba networks LIC-ACR-128)	26,384.40	
27 29 00 00-0397	EA	Advanced Cryptography (256 Sessions) (Aruba networks LIC-ACR-256)	49,583.13	
27 29 00 00-0398	EA	Advanced Cryptography (512 Sessions) (Aruba networks LIC-ACR-512)	93,205.34	
27 29 00 00-0399	EA	Advanced Cryptography (1024 Sessions) (Aruba networks LIC-ACR-1024)	165,146.80	
27 29 00 00-0400	EA	PoE License for 600 Series (4 Ports) (Aruba networks LIC-4-POE)	234.53	

## 27 29 00 00-0401

AirWave (27 29 00 00-0001)

27 29 00 00-0402	EA	AirWave license for 25 devices (Aruba networks AW-25)	5,374.60	
27 29 00 00-0403	EA	AirWave license for 50 devices (Aruba networks AW-50)	9,762.23	
27 29 00 00-0404	EA	AirWave license for 100 devices (Aruba networks AW-100)	17,579.83	
27 29 00 00-0405	EA	AirWave license for 200 devices (Aruba networks AW-200)	29,306.23	
27 29 00 00-0406	EA	AirWave license for 500 devices (Aruba networks AW-500)	53,736.23	
27 29 00 00-0407	EA	AirWave license for 1000 devices (Aruba networks AW-1000)	72,303.03	
27 29 00 00-0408	EA	AirWave license for 2500 devices (Aruba networks AW-2500)	166,114.23	
27 29 00 00-0409	EA	AirWave site license for 2500 devices (Aruba networks AW-SL2500)	239,414.00	
27 29 00 00-0410	EA	AirWave expansion license (Aruba networks AW-EXP1-50)	193.49	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0411	EA		AirWave expansion license (2500 volume) (Aruba networks AW-EXP1-2500).....	66.45	
27 29 00 00-0412	EA		AirWave site license expansion (Aruba networks AW-EXP1-SL2500) .....	95.77	
27 29 00 00-0413	EA		AirWave Failover for 25 devices (Aruba networks AW-25-FR) .....	1,612.38	
27 29 00 00-0414	EA		AirWave Failover for 50 devices (Aruba networks AW-50-FR) .....	2,921.83	
27 29 00 00-0415	EA		AirWave Failover for 100 devices (Aruba networks AW-100-FR) .....	5,267.11	
27 29 00 00-0416	EA		AirWave Failover for 200 devices (Aruba networks AW-200-FR) .....	8,785.03	
27 29 00 00-0417	EA		AirWave Failover for 500 devices (Aruba networks AW-500-FR) .....	15,625.43	
27 29 00 00-0418	EA		AirWave Failover for 1000 devices (Aruba networks AW-1000-FR) .....	19,534.23	
27 29 00 00-0419	EA		AirWave Failover for 2500 devices (Aruba networks AW-2500-FR) .....	48,850.23	
27 29 00 00-0420	EA		AirWave Failover expansion license (Aruba networks AW-EXF1-50).....	58.63	
27 29 00 00-0421	EA		AirWave failover expansion (2500 volume) (Aruba networks AW-EXF1-2500) .....	19.54	
27 29 00 00-0422	EA		AirWave Master Console (Aruba networks AW-MASTER) .....	29,306.23	
27 29 00 00-0423	EA		Hardware appliance for AirWave Professional Edition and smaller software licenses (Aruba networks AW-HW-PRO) .....	95,521.30	
27 29 00 00-0424	EA		Hardware appliance for AirWave Enterprise Edition and smaller software licenses (Aruba networks AW-HW-ENT) ..	127,583.23	
27 29 00 00-0425	EA		717W redundant power supply for the AW-HW-PRO and AW-HW-ENT appliance hardware. Customer Install. (Aruba networks AW-HW-PSU).....	2,081.44	
<b>27 29 00 00-0426 Amigopod (2729 00 00-0001)</b>					
27 29 00 00-0427	EA		SW starter kit (includes 100 user license) (Aruba networks AMG-SW-100) .....	19,534.23	
27 29 00 00-0428	EA		HW appliance kit (100 user license) (Aruba networks AMG-HW-100).....	29,306.23	
27 29 00 00-0429	EA		HW appliance kit (2500 user license) (Aruba networks AMG-HW-2500) .....	146,570.23	
27 29 00 00-0430	EA		HA SW starter kit for AMG-SW-100 (Aruba networks AMG-SW-100R) .....	19,534.23	
27 29 00 00-0431	EA		HA HW appliance kit for AMG-HW-100 (Aruba networks AMG-HW-100R) .....	29,306.23	
27 29 00 00-0432	EA		Amigopod HW-2500 appliance with Amigopod software, no user license included, max 25,000 users (Aruba networks AMG-HW-BASE) .....	70,348.63	
27 29 00 00-0433	EA		Amigopod 50000 user expansion pack (Aruba networks AMG-LIC-50000).....	977,200.00	
27 29 00 00-0434	EA		Amigopod 25000 user expansion pack (Aruba networks AMG-LIC-25000).....	610,750.00	
27 29 00 00-0435	EA		Amigopod 10000 user expansion pack (Aruba networks AMG-LIC-10000).....	293,160.00	
27 29 00 00-0436	EA		Amigopod 2500 user expansion pack (Aruba networks AMG-LIC-2500).....	97,710.23	
27 29 00 00-0437	EA		Amigopod 1000 user expansion pack (Aruba networks AMG-LIC-1000).....	58,622.23	
27 29 00 00-0438	EA		Amigopod 200 user expansion pack (Aruba networks AMG-LIC-200).....	29,306.23	
27 29 00 00-0439	EA		50 User License Pack (Aruba networks AMG-LIC-50).....	7,807.83	
27 29 00 00-0440	EA		Advertising Services Plugin 200 users (Aruba networks AMG-ADVERT-200).....	9,762.23	
27 29 00 00-0441	EA		Advertising Services Plugin 500 users (Aruba networks AMG-ADVERT-500).....	19,534.23	
27 29 00 00-0442	EA		Advertising Services Plugin 10,000 users (Aruba networks AMG-ADVERT-10000).....	58,622.23	
27 29 00 00-0443	EA		UI Customization Service (Aruba networks AMG-SKIN-PS).....	4,886.00	
<b>27 29 00 00-0444 ClearPass (2729 00 00-0001)</b>					
27 29 00 00-0445	EA		Aruba ClearPass Policy Manager 500 HW Appliance - RADIUS/TACACS+ server with advanced policy control for up to 500 unique endpoints. Includes 25 endpoint Enterprise License. (Aruba networks CP-HW-500) .....	19,544.00	
27 29 00 00-0446	EA		Aruba ClearPass Policy Manager 5K HW Appliance - RADIUS/TACACS+ server with advanced policy control for up to 5,000 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-HW-5K).....	43,974.00	
27 29 00 00-0447	EA		Aruba ClearPass Policy Manager 25K HW Appliance - RADIUS/TACACS+ server with advanced policy control for up to 25,000 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-HW-25K) .....	127,036.00	
27 29 00 00-0448	EA		Aruba ClearPass Policy Manager 500 Virtual Appliance - RADIUS/TACACS+ server with advanced policy control for up to 500 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-VA-500).....	12,703.60	
27 29 00 00-0449	EA		Aruba ClearPass Policy Manager 5K Virtual Appliance - RADIUS/TACACS+ server with advanced policy control for up to 5,000 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-VA-5K).....	29,316.00	
27 29 00 00-0450	EA		Aruba ClearPass Policy Manager 25K Virtual Appliance - RADIUS/TACACS+ server with advanced policy control for up to 25,000 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-VA-25K).....	107,492.00	
27 29 00 00-0451	EA		OnGuard License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks LIC-CP-OG-100) .....	4,397.40	
27 29 00 00-0452	EA		OnGuard License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks LIC-CP-OG-500) .....	21,987.00	
27 29 00 00-0453	EA		OnGuard License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks LIC-CP-OG-1K) .....	35,179.20	
27 29 00 00-0454	EA		OnGuard License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks LIC-CP-OG-2500) .....	87,948.00	
27 29 00 00-0455	EA		OnGuard License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks LIC-CP-OG-5K) .....	131,922.00	
27 29 00 00-0456	EA		OnGuard License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks LIC-CP-OG-10K) .....	263,844.00	
27 29 00 00-0457	EA		OnGuard License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks LIC-CP-OG-25K) .....	439,740.00	
27 29 00 00-0458	EA		OnGuard License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks LIC-CP-OG-50K) .....	879,480.00	
27 29 00 00-0459	EA		OnGuard License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks LIC-CP-OG-100K) ..	1,758,960.00	
27 29 00 00-0460	EA		Onboard License for Aruba ClearPass Policy Manager - 100 devices (Aruba networks LIC-CP-OB-100) .....	6,840.40	
27 29 00 00-0461	EA		Onboard License for Aruba ClearPass Policy Manager - 500 devices (Aruba networks LIC-CP-OB-500) .....	33,224.80	
27 29 00 00-0462	EA		Onboard License for Aruba ClearPass Policy Manager - 1,000 devices (Aruba networks LIC-CP-OB-1K) .....	58,143.40	
27 29 00 00-0463	EA		Onboard License for Aruba ClearPass Policy Manager - 2,500 devices (Aruba networks LIC-CP-OB-2500) .....	124,593.00	
27 29 00 00-0464	EA		Onboard License for Aruba ClearPass Policy Manager - 5,000 devices (Aruba networks LIC-CP-OB-5K).....	224,267.40	
27 29 00 00-0465	EA		Onboard License for Aruba ClearPass Policy Manager - 10,000 devices (Aruba networks LIC-CP-OB-10K) .....	415,310.00	
27 29 00 00-0466	EA		Onboard License for Aruba ClearPass Policy Manager - 25,000 devices (Aruba networks LIC-CP-OB-25K) .....	830,620.00	
27 29 00 00-0467	EA		Onboard License for Aruba ClearPass Policy Manager - 50,000 devices (Aruba networks LIC-CP-OB-50K) .....	1,245,930.00	
27 29 00 00-0468	EA		Onboard License for Aruba ClearPass Policy Manager - 100,000 devices (Aruba networks LIC-CP-OB-100K) ..	1,856,680.00	
27 29 00 00-0469	EA		Guest License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks LIC-CP-GM-100) .....	5,863.20	
27 29 00 00-0470	EA		Guest License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks LIC-CP-GM-500) .....	19,544.00	
27 29 00 00-0471	EA		Guest License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks LIC-CP-GM-1K) .....	31,270.40	
27 29 00 00-0472	EA		Guest License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks LIC-CP-GM-2500) .....	78,176.00	
27 29 00 00-0473	EA		Guest License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks LIC-CP-GM-5K) .....	117,264.00	
27 29 00 00-0474	EA		Guest License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks LIC-CP-GM-10K) .....	195,440.00	
27 29 00 00-0475	EA		Guest License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks LIC-CP-GM-25K) .....	390,880.00	
27 29 00 00-0476	EA		Guest License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks LIC-CP-GM-50K) .....	586,320.00	
27 29 00 00-0477	EA		Guest License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks LIC-CP-GM-100K) .....	977,200.00	
27 29 00 00-0478	EA		Enterprise License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks LIC-CP-EN-100) .....	8,306.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 29 00 00-0479	EA	Enterprise License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks LIC-CP-EN-500).....	39,576.60	
27 29 00 00-0480	EA	Enterprise License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks LIC-CP-EN-1K) .....	70,358.40	
27 29 00 00-0481	EA	Enterprise License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks LIC-CP-EN-2500).....	131,922.00	
27 29 00 00-0482	EA	Enterprise License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks LIC-CP-EN-5K) .....	211,075.20	
27 29 00 00-0483	EA	Enterprise License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks LIC-CP-EN-10K) .....	422,150.40	
27 29 00 00-0484	EA	Enterprise License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks LIC-CP-EN-25K) .....	923,454.00	
27 29 00 00-0485	EA	Enterprise License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks LIC-CP-EN-50K) .....	1,671,012.00	
27 29 00 00-0486	EA	Enterprise License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks LIC-CP-EN-100K) .....	3,342,024.00	
27 29 00 00-0487	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB1-CP-EN-100).....	3,908.80	
27 29 00 00-0488	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB1-CP-EN-500).....	17,589.60	
27 29 00 00-0489	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB1-CP-EN-1K) .....	31,270.40	
27 29 00 00-0490	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB1-CP-EN-2500).....	58,632.00	
27 29 00 00-0491	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB1-CP-EN-5K) .....	93,811.20	
27 29 00 00-0492	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB1-CP-EN-10K) .....	187,622.40	
27 29 00 00-0493	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB1-CP-EN-25K) .....	410,424.00	
27 29 00 00-0494	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB1-CP-EN-50K) .....	742,672.00	
27 29 00 00-0495	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB1-CP-EN-100K).....	1,485,344.00	
27 29 00 00-0496	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB3-CP-EN-100).....	9,283.40	
27 29 00 00-0497	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB3-CP-EN-500).....	43,974.00	
27 29 00 00-0498	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB3-CP-EN-1K) .....	78,176.00	
27 29 00 00-0499	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB3-CP-EN-2500).....	146,580.00	
27 29 00 00-0500	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB3-CP-EN-5K) .....	234,528.00	
27 29 00 00-0501	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB3-CP-EN-10K) .....	469,056.00	
27 29 00 00-0502	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB3-CP-EN-25K) .....	1,026,060.00	
27 29 00 00-0503	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB3-CP-EN-50K) .....	1,856,680.00	
27 29 00 00-0504	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB3-CP-EN-100K).....	3,713,360.00	
27 29 00 00-0505	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB5-CP-EN-100).....	11,726.40	
27 29 00 00-0506	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB5-CP-EN-500).....	55,211.80	
27 29 00 00-0507	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB5-CP-EN-1K) .....	97,720.00	
27 29 00 00-0508	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB5-CP-EN-2500).....	183,225.00	
27 29 00 00-0509	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB5-CP-EN-5K) .....	293,160.00	
27 29 00 00-0510	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB5-CP-EN-10K) .....	586,320.00	
27 29 00 00-0511	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB5-CP-EN-25K) .....	1,282,575.00	
27 29 00 00-0512	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB5-CP-EN-50K) .....	2,320,850.00	
27 29 00 00-0513	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB5-CP-EN-100K).....	4,641,700.00	
27 29 00 00-0514	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 100 devices (Aruba networks SUB1- CP-OB-100).....	2,931.60	
27 29 00 00-0515	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 500 devices (Aruba networks SUB1- CP-OB-500).....	14,658.00	
27 29 00 00-0516	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 devices (Aruba networks SUB1-CP-OB-1K) .....	26,384.40	
27 29 00 00-0517	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 devices (Aruba networks SUB1-CP-OB-2500) .....	55,700.40	
27 29 00 00-0518	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 devices (Aruba networks SUB1-CP-OB-5K) .....	99,674.40	
27 29 00 00-0519	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 devices (Aruba networks SUB1-CP-OB-10K) .....	184,690.80	
27 29 00 00-0520	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 devices (Aruba networks SUB1-CP-OB-25K) .....	368,404.40	
27 29 00 00-0521	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 devices (Aruba networks SUB1-CP-OB-50K) .....	553,095.20	
27 29 00 00-0522	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 devices (Aruba networks SUB1-CP-OB-100K).....	823,779.60	
27 29 00 00-0523	EA	Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 100 devices (Aruba networks SUB3- CP-OB-100).....	7,817.60	
27 29 00 00-0524	EA	Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 500 devices (Aruba networks SUB3- CP-OB-500).....	36,645.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0525 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 devices (Aruba networks SUB3-CP-OB-1K).....	64,495.20	
27 29 00 00-0526 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 devices (Aruba networks SUB3-CP-OB-2500).....	138,273.80	
27 29 00 00-0527 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 devices (Aruba networks SUB3-CP-OB-5K).....	249,186.00	
27 29 00 00-0528 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 devices (Aruba networks SUB3-CP-OB-10K).....	460,261.20	
27 29 00 00-0529 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 devices (Aruba networks SUB3-CP-OB-25K).....	921,988.20	
27 29 00 00-0530 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 devices (Aruba networks SUB3-CP-OB-50K).....	1,382,738.00	
27 29 00 00-0531 EA Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 devices (Aruba networks SUB3-CP-OB-100K).....	2,060,914.80	
27 29 00 00-0532 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 100 devices (Aruba networks SUB5-CP-OB-100).....	9,772.00	
27 29 00 00-0533 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 500 devices (Aruba networks SUB5-CP-OB-500).....	45,928.40	
27 29 00 00-0534 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 devices (Aruba networks SUB5-CP-OB-1K).....	81,107.60	
27 29 00 00-0535 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 devices (Aruba networks SUB5-CP-OB-2500).....	173,453.00	
27 29 00 00-0536 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 devices (Aruba networks SUB5-CP-OB-5K).....	311,726.80	
27 29 00 00-0537 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 devices (Aruba networks SUB5-CP-OB-10K).....	577,525.20	
27 29 00 00-0538 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 devices (Aruba networks SUB5-CP-OB-25K).....	1,154,561.80	
27 29 00 00-0539 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 devices (Aruba networks SUB5-CP-OB-50K).....	1,729,644.00	
27 29 00 00-0540 EA Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 devices (Aruba networks SUB5-CP-OB-100K).....	2,580,785.20	
27 29 00 00-0541 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB1-CP-GM-100).....	2,443.00	
27 29 00 00-0542 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB1-CP-GM-500).....	8,794.80	
27 29 00 00-0543 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB1-CP-GM-1K).....	14,169.40	
27 29 00 00-0544 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB1-CP-GM-2500).....	34,690.60	
27 29 00 00-0545 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB1-CP-GM-5K).....	52,280.20	
27 29 00 00-0546 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB1-CP-GM-10K).....	86,970.80	
27 29 00 00-0547 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB1-CP-GM-25K).....	173,453.00	
27 29 00 00-0548 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB1-CP-GM-50K).....	260,912.40	
27 29 00 00-0549 EA Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB1-CP-GM-100K).....	433,876.80	
27 29 00 00-0550 EA Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB3-CP-GM-100).....	6,840.40	
27 29 00 00-0551 EA Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB3-CP-GM-500).....	21,498.40	
27 29 00 00-0552 EA Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB3-CP-GM-1K).....	34,690.60	
27 29 00 00-0553 EA Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB3-CP-GM-2500).....	86,970.80	
27 29 00 00-0554 EA Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB3-CP-GM-5K).....	129,967.60	
27 29 00 00-0555 EA Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB3-CP-GM-10K).....	216,938.40	
27 29 00 00-0556 EA Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB3-CP-GM-25K).....	433,876.80	
27 29 00 00-0557 EA Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB3-CP-GM-50K).....	650,815.20	
27 29 00 00-0558 EA Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB3-CP-GM-100K).....	1,084,692.00	
27 29 00 00-0559 EA Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB5-CP-GM-100).....	8,306.20	
27 29 00 00-0560 EA Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB5-CP-GM-500).....	27,361.60	
27 29 00 00-0561 EA Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB5-CP-GM-1K).....	43,485.40	
27 29 00 00-0562 EA Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB5-CP-GM-2500).....	108,469.20	
27 29 00 00-0563 EA Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB5-CP-GM-5K).....	163,192.40	
27 29 00 00-0564 EA Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB5-CP-GM-10K).....	271,661.60	
27 29 00 00-0565 EA Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB5-CP-GM-25K).....	543,323.20	
27 29 00 00-0566 EA Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB5-CP-GM-50K).....	814,984.80	

**27 Communications****27 20 Data Communications****27 29 Data Communications Network Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 29 00 00-0567	EA	Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB5-CP-GM-100K).....	1,358,308.00	
27 29 00 00-0568	EA	OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB1-CP-OG-100).....	1,954.40	
27 29 00 00-0569	EA	OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB1-CP-OG-500).....	9,772.00	
27 29 00 00-0570	EA	OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB1-CP-OG-1K).....	15,635.20	
27 29 00 00-0571	EA	OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB1-CP-OG-2500).....	39,088.00	
27 29 00 00-0572	EA	OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB1-CP-OG-5K).....	58,632.00	
27 29 00 00-0573	EA	OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB1-CP-OG-10K).....	117,264.00	
27 29 00 00-0574	EA	OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB1-CP-OG-25K).....	194,462.80	
27 29 00 00-0575	EA	OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB1-CP-OG-50K).....	389,902.80	
27 29 00 00-0576	EA	OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB1-CP-OG-100K).....	780,782.80	
27 29 00 00-0577	EA	OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB3-CP-OG-100).....	5,863.20	
27 29 00 00-0578	EA	OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB3-CP-OG-500).....	24,430.00	
27 29 00 00-0579	EA	OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB3-CP-OG-1K).....	39,088.00	
27 29 00 00-0580	EA	OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB3-CP-OG-2500).....	97,720.00	
27 29 00 00-0581	EA	OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB3-CP-OG-5K).....	146,580.00	
27 29 00 00-0582	EA	OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB3-CP-OG-10K).....	292,182.80	
27 29 00 00-0583	EA	OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB3-CP-OG-25K).....	487,622.80	
27 29 00 00-0584	EA	OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB3-CP-OG-50K).....	976,222.80	
27 29 00 00-0585	EA	OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB3-CP-OG-100K).....	1,952,445.60	
27 29 00 00-0586	EA	OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB5-CP-OG-100).....	6,351.80	
27 29 00 00-0587	EA	OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB5-CP-OG-500).....	30,293.20	
27 29 00 00-0588	EA	OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB5-CP-OG-1K).....	48,860.00	
27 29 00 00-0589	EA	OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB5-CP-OG-2500).....	122,150.00	
27 29 00 00-0590	EA	OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB5-CP-OG-5K).....	195,440.00	
27 29 00 00-0591	EA	OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB5-CP-OG-10K).....	366,450.00	
27 29 00 00-0592	EA	OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB5-CP-OG-25K).....	610,750.00	
27 29 00 00-0593	EA	OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 50,000 endpoints (Aruba networks SUB5-CP-OG-50K).....	1,222,477.20	
27 29 00 00-0594	EA	OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 100,000 endpoints (Aruba networks SUB5-CP-OG-100K).....	2,443,000.00	
27 29 00 00-0595	EA	1-year Aruba QuickConnect Cloud Service Subscription - 1-1,000 users (price per user) - Includes support. (Aruba networks QC-1-C).....	11.73	
27 29 00 00-0596	EA	1-year Aruba QuickConnect Cloud Service Subscription - 1,001-5,000 users (price per user) - Includes support. (Aruba networks QC-2-C).....	8.79	
27 29 00 00-0597	EA	1-year Aruba QuickConnect Cloud Service Subscription - 5,001-10,000 users (price per user) - Includes support. (Aruba networks QC-3-C).....	6.84	
27 29 00 00-0598	EA	1-year Aruba QuickConnect Cloud Service Subscription - Increments of 10,000 users (price per user) - Includes support. (Aruba networks QC-4-C).....	4.89	

**27 29 00 00-0599 Aruba Instant Access Points (27 29 00 00-0001)**

27 29 00 00-0600	EA	Aruba Instant 92 Wireless Access Point, 802.11abgn, dual-band, single radio, antenna connectors. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-92).....	771.99	
27 29 00 00-0601	EA	Aruba Instant 92 Wireless Access Point, 802.11abgn, dual-band, single radio, antenna connectors. Restricted Regulatory Domain - US (Aruba networks IAP-92-US).....	771.99	
27 29 00 00-0602	EA	Aruba Instant 92 Wireless Access Point, 802.11abgn, dual-band, single radio, antenna connectors. Restricted Regulatory Domain - IL (Aruba networks IAP-92-IL).....	771.99	
27 29 00 00-0603	EA	Aruba Instant 92 Wireless Access Point, 802.11abgn, dual-band, single radio, antenna connectors. Restricted Regulatory Domain - JP (Aruba networks IAP-92-JP).....	771.99	
27 29 00 00-0604	EA	Aruba Instant 93 Wireless Access Point, 802.11abgn, dual-band, single radio, integrated antennas. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-93).....	771.99	
27 29 00 00-0605	EA	Aruba Instant 93 Wireless Access Point, 802.11abgn, dual-band, single radio, integrated antennas. Restricted Regulatory Domain - US (Aruba networks IAP-93-US).....	771.99	
27 29 00 00-0606	EA	Aruba Instant 93 Wireless Access Point, 802.11abgn, dual-band, single radio, integrated antennas. Restricted Regulatory Domain - IL (Aruba networks IAP-93-IL).....	771.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0607 EA Aruba Instant 93 Wireless Access Point, 802.11abgn, dual-band, single radio, integrated antennas. Restricted Regulatory Domain - JP (Aruba networks IAP-93-JP).....	771.99	
27 29 00 00-0608 EA Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-104).....	1,358.31	
27 29 00 00-0609 EA Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Restricted Regulatory Domain - US (Aruba networks IAP-104-US).....	1,358.31	
27 29 00 00-0610 EA Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Restricted Regulatory Domain - IL (Aruba networks IAP-104-IL).....	1,358.31	
27 29 00 00-0611 EA Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Restricted Regulatory Domain - JP (Aruba networks IAP-104-JP).....	1,358.31	
27 29 00 00-0612 EA Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-104-F1).....	1,553.75	
27 29 00 00-0613 EA Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-104-USF1).....	1,553.75	
27 29 00 00-0614 EA Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-105).....	1,358.31	
27 29 00 00-0615 EA Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Restricted Regulatory Domain - US (Aruba networks IAP-105-US).....	1,358.31	
27 29 00 00-0616 EA Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Restricted Regulatory Domain - IL (Aruba networks IAP-105-IL).....	1,358.31	
27 29 00 00-0617 EA Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Restricted Regulatory Domain - JP (Aruba networks IAP-105-JP).....	1,358.31	
27 29 00 00-0618 EA Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-105-F1).....	1,553.75	
27 29 00 00-0619 EA Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-105-USF1).....	1,553.75	
27 29 00 00-0620 EA Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-135).....	2,140.07	
27 29 00 00-0621 EA Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Restricted Regulatory Domain - US (Aruba networks IAP-135-US).....	2,140.07	
27 29 00 00-0622 EA Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Restricted Regulatory Domain - IL (Aruba networks IAP-135-IL).....	2,140.07	
27 29 00 00-0623 EA Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Restricted Regulatory Domain - JP (Aruba networks IAP-135-JP).....	2,140.07	
27 29 00 00-0624 EA Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-135-F1).....	2,530.95	
27 29 00 00-0625 EA Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-135-USF1).....	2,530.95	
27 29 00 00-0626 EA Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-134).....	2,140.07	
27 29 00 00-0627 EA Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Restricted Regulatory Domain - US (Aruba networks IAP-134-US).....	2,140.07	
27 29 00 00-0628 EA Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Restricted Regulatory Domain - IL (Aruba networks IAP-134-IL).....	2,140.07	
27 29 00 00-0629 EA Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Restricted Regulatory Domain - JP (Aruba networks IAP-134-JP).....	2,140.07	
27 29 00 00-0630 EA Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-134-F1).....	2,530.95	
27 29 00 00-0631 EA Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-134-USF1).....	2,530.95	
27 29 00 00-0632 EA Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-175P).....	4,485.35	
27 29 00 00-0633 EA Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Restricted Regulatory Domain - US (Aruba networks IAP-175P-US).....	4,485.35	
27 29 00 00-0634 EA Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Restricted Regulatory Domain - IL (Aruba networks IAP-175P-IL).....	4,485.35	
27 29 00 00-0635 EA Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Restricted Regulatory Domain - JP (Aruba networks IAP-175P-JP).....	4,485.35	
27 29 00 00-0636 EA Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-175P-F1).....	5,169.39	
27 29 00 00-0637 EA Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-175P-USF1).....	5,169.39	
27 29 00 00-0638 EA Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-175AC).....	5,071.67	
27 29 00 00-0639 EA Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Restricted Regulatory Domain - US (Aruba networks IAP-175AC-US).....	5,071.67	
27 29 00 00-0640 EA Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Restricted Regulatory Domain - IL (Aruba networks IAP-175AC-IL).....	5,071.67	
27 29 00 00-0641 EA Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Restricted Regulatory Domain - JP (Aruba networks IAP-175AC-JP).....	5,071.67	
27 29 00 00-0642 EA Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-175AC-F1).....	5,853.43	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 29 00 00-0643	EA	Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-175AC-USF1).....	5,853.43
<b>27 29 00 00-0644</b>		<b>ARUBA S3500 Mobility Access Switch</b> (27 29 00 00-0001)	
27 29 00 00-0645	EA	S3500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. RoW regulatory (NOT for deployments in USA or Israel). (Aruba networks S3500-24P).....	7,807.83
27 29 00 00-0646	EA	S3500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. US regulatory (for deployments in USA only). (Aruba networks S3500-24P-US).....	7,807.83
27 29 00 00-0647	EA	S3500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. IL regulatory (for deployments in Israel only). (Aruba networks S3500-24P-IL).....	7,807.83
27 29 00 00-0648	EA	S3500-24T Mobility Access Switch with 24 10/100/1000BASE-T ports and optional uplink module slot (uplink module ordered separately). Includes 350W AC power supply. (Aruba networks S3500-24T).....	6,244.31
27 29 00 00-0649	EA	S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. RoW regulatory (NOT for deployments in USA or Israel). (Aruba networks S3500-48P).....	13,671.03
27 29 00 00-0650	EA	S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. US regulatory (for deployments in USA only). (Aruba networks S3500-48P-US).....	13,671.03
27 29 00 00-0651	EA	S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. IL regulatory (for deployments in Israel only). (Aruba networks S3500-48P-IL).....	13,671.03
27 29 00 00-0652	EA	S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 1050W AC power supply. RoW regulatory (NOT for deployments in USA or Israel). (Aruba networks S3500-48PF).....	14,648.23
27 29 00 00-0653	EA	S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 1050W AC power supply. US regulatory (for deployments in USA only). (Aruba networks S3500-48PF-US).....	14,648.23
27 29 00 00-0654	EA	S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 1050W AC power supply. IL regulatory (for deployments in Israel only). (Aruba networks S3500-48PF-IL).....	14,648.23
27 29 00 00-0655	EA	S3500-48T Mobility Access Switch with 48 10/100/1000BASE-T ports and optional uplink module slot (uplink module ordered separately). Includes 350W AC power supply. (Aruba networks S3500-48T).....	10,739.43
27 29 00 00-0656	EA	S3500-24F Mobility Access Switch with 24 GbE SFP ports (optics ordered separately) and optional uplink module slot (uplink module ordered separately). Includes 350W AC power supply. (Aruba networks S3500-24F).....	13,671.03
27 29 00 00-0657	EA	S3500 Uplink Module with 4 GbE/10GbE SFP/SFP+ (pluggable transceivers ordered separately) for use with S3500-24T, -24P, -48T, -48P and -48PF. Provides uplinks and ArubaStack interconnects. Includes one 50cm direct-attach cable (DAC) for ArubaStack. (Aruba networks S3500-4x10G).....	2,921.83
27 29 00 00-0658	EA	350W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for 7200 Series, S3500-24T and S3500-48T. (Aruba networks PSU-350-AC).....	967.43
27 29 00 00-0659	EA	600W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for S3500-24P, -48P, -24T, -48T. (Aruba networks PSU-600-AC).....	1,944.63
27 29 00 00-0660	EA	1050W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for S3500-24P, -48P, -24T, -48T. (Aruba networks PSU-1050-AC).....	2,921.83
<b>27 29 00 00-0661</b>		<b>ARUBA S2500 Mobility Access Switch</b> (27 29 00 00-0001)	
27 29 00 00-0662	EA	S2500-24T Mobility Access Switch with 24 10/100/1000BASE-T ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. (Aruba networks S2500-24T).....	5,853.43
27 29 00 00-0663	EA	S2500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. RoW regulatory (NOT for deployments in USA or Israel). (Aruba networks S2500-24P).....	7,416.95
27 29 00 00-0664	EA	S2500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. US regulatory (for deployments in USA only). (Aruba networks S2500-24P-US).....	7,416.95
27 29 00 00-0665	EA	S2500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. IL regulatory (for deployments in Israel only). (Aruba networks S2500-24P-IL).....	7,416.95
27 29 00 00-0666	EA	S2500-48T Mobility Access Switch with 48 10/100/1000BASE-T ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. (Aruba networks S2500-48T).....	10,153.11
27 29 00 00-0667	EA	S2500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. RoW regulatory (NOT for deployments in USA or Israel). (Aruba networks S2500-48P).....	13,280.15
27 29 00 00-0668	EA	S2500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. US regulatory (for deployments in USA only). (Aruba networks S2500-48P-US).....	13,280.15
27 29 00 00-0669	EA	S2500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. IL regulatory (for deployments in Israel only). (Aruba networks S2500-48P-IL).....	13,280.15
<b>27 29 00 00-0670</b>		<b>ARUBA Mobility Access Switch Pluggable Transceivers</b> (27 29 00 00-0001)	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0671 EA 10GBASE-LRM SFP+; 1310nm pluggable 10GbE optic; LC connector; up to 220 meters over multi-mode fiber (Type OM2) (Aruba networks SFP-10GE-LRM) .....	2,628.67	
27 29 00 00-0672 EA 10GBASE-SR SFP+; 850nm pluggable 10GbE optic; LC connector; up to 300 meters over multi-mode fiber (Type OM3) (Aruba networks SFP-10GE-SR) .....	2,433.23	
27 29 00 00-0673 EA 10GBASE-LR SFP+; 1310nm pluggable 10GbE optic; LC connector; up to 10,000 meters over single-mode fiber (Aruba networks SFP-10GE-LR) .....	4,876.23	
27 29 00 00-0674 EA 50cm length, 10GbE SFP+ direct attach cable (DAC); copper Twinax connectors on both ends for ArubaStack or interconnect between servers and switch (Aruba networks DAC-SFP-10GE-50CM) .....	283.39	
27 29 00 00-0675 EA 1m length, 10GbE SFP+ direct attach cable (DAC); copper Twinax connectors on both ends for ArubaStack or interconnect between servers and switch (Aruba networks DAC-SFP-10GE-1M) .....	322.48	
27 29 00 00-0676 EA 3m length, 10GbE SFP+ direct attach cable (DAC); copper Twinax connectors on both ends for ArubaStack or interconnect between servers and switch (Aruba networks DAC-SFP-10GE-3M) .....	381.11	
27 29 00 00-0677 EA 5m length, 10GbE SFP+ direct attach cable (DAC); copper Twinax connectors on both ends for ArubaStack or interconnect between servers and switch (Aruba networks DAC-SFP-10GE-5M) .....	439.74	
27 29 00 00-0678 EA 7m length, 10GbE SFP+ direct attach cable (DAC); copper Twinax connectors on both ends for ArubaStack or interconnect between servers and switch (Aruba networks DAC-SFP-10GE-7M) .....	478.83	
27 29 00 00-0679 EA 1000BASE-SX SFP; 850nm pluggable GbE optic; LC connector; up to 300 meters over multi-mode fiber (Type OM2) (Aruba networks SFP-SX) .....	771.99	
<b>27 29 00 00-0680 ARUBA Mobility Access Switch Accessories And Spares</b> <small>(27 29 00 00-0001)</small>		
27 29 00 00-0681 EA 350W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for 7200 Series, S3500-24T and S3500-48T. (Aruba networks PSU-350-AC) .....	967.43	
27 29 00 00-0682 EA 600W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for S3500-24P, -48P, -24T, -48T. (Aruba networks PSU-600-AC) .....	1,944.63	
27 29 00 00-0683 EA 1050W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for S3500-24P, -48P, -24T, -48T. (Aruba networks PSU-1050-AC) .....	2,921.83	
27 29 00 00-0684 EA 7200 Series or S3500 Spare Two-Post Rack-Mount Kit. Used to front-mount or mid-mount the 7200 Series or S3500 to a 19" rack. May also be used to front-mount (only) the S2500 to 19" rack. (Aruba networks SPR-RK-MNT) .....	146.58	
27 29 00 00-0685 EA 7200 Series or S3500 Four-Post 19" Rack-Mount Kit. Used for mounting the 7200 Series or S3500 in cabinets. (Aruba networks SPR-4RK-MNT) .....	185.67	
27 29 00 00-0686 EA 7200 Series or S3500 Wall Mount Kit. Used for wall mounting of 7200 Series or S3500. (Aruba networks SPR-WL-MNT) .....	185.67	
27 29 00 00-0687 EA S2500 Wall Mount Kit. Used for wall mounting of S2500 or mid-mounting of S2500 to 19" rack. (Aruba networks SPR-WL2-MNT) .....	185.67	
27 29 00 00-0688 EA S3500 Spare Fan Tray. Field-replaceable for S3500-24P, -48P, -24T and -48T. (Aruba networks SPR-FAN-14) .....	381.11	
27 29 00 00-0689 EA 7200 Series and S3500 Power Supply Blank Faceplate Spare. Cover for unused power supply bay. (Aruba networks PSU-PWBLNK) .....	87.95	
27 29 00 00-0690 EA S3500 Uplink Module Faceplate Spare. Cover for unused uplink module slot. (Aruba networks SPR-ULBLNK) .....	87.95	
<b>27 29 00 00-0691 Tripp Lite - Devices</b> <small>(27 29)</small>		
27 29 00 00-0692 EA Relocatable Power Taps, 5 outlets, 6' cord, Metal-Receptacle Series, no switch. Blue/Gray Color With Tabs (Tripp Lite 602) .....	56.29	
27 29 00 00-0693 EA Tripp Lite Minicom Category 5 SMART KVM Extender PS/2 2-Port KVM TAA GSA (Tripp Lite ODT23001) .....	809.47	
27 29 00 00-0694 EA Tripp Lite Minicom Mini KVM Console Switch Extender PS/2 Kit TAA GSA (Tripp Lite ODT23008) .....	655.80	
27 29 00 00-0695 EA Tripp Lite Minicom Mini KVM Console Switch Extender USB Kit TAA GSA (Tripp Lite ODT23010) .....	809.47	
27 29 00 00-0696 EA Tripp Lite Minicom KVM Extender USB local port + 2-Port KVM TAA GSA (Tripp Lite ODT60001) .....	809.47	
27 29 00 00-0697 EA Tripp Lite Minicom PS2 to USB Converter for KVM Switch And Extender TAA GSA (Tripp Lite ODT60002) .....	271.64	
27 29 00 00-0698 EA Minicom Access IT 10 User Remote Access Management TAA GSA (Tripp Lite OSU00018) .....	21,889.28	
27 29 00 00-0699 EA Minicom Access IT 20 User Remote Access Management TAA GSA (Tripp Lite OSU00019) .....	62,149.92	
27 29 00 00-0700 EA Tripp Lite Minicom SMART 108 8-Port Category 5 KVM Switch PS/2 USB 1URM TAA GSA (Tripp Lite OSU22081) .....	1,083.87	
27 29 00 00-0701 EA Tripp Lite Minicom SMART 116 16-Port Category 5 KVM Switch PS/2 USB 1URM TAA GSA (Tripp Lite OSU22082) .....	1,358.27	
27 29 00 00-0702 EA Tripp Lite Minicom SMART 216 16-Port Category 5 KVM Switch PS/2 USB 1URM TAA GSA (Tripp Lite OSU22090) .....	2,163.79	
27 29 00 00-0703 EA Tripp Lite Minicom SMART 232 32-Port Category 5 KVM Switch PS/2 USB 1URM TAA GSA (Tripp Lite OSU22091) .....	4,514.39	
27 29 00 00-0704 EA Tripp Lite Minicom SMART 108 SPU 8-Port Category 5 KVM Switch PS/2 USB 1U TAA GSA (Tripp Lite OSU22181) .....	1,221.07	
27 29 00 00-0705 EA Tripp Lite Minicom SMART 116 SPU 16-Port Category 5 KVM Switch PS/2 1URM TAA GSA (Tripp Lite OSU22182) .....	1,495.47	
27 29 00 00-0706 EA Minicom USB Remote Unit for Phantom Specter KVM Switch TAA GSA (Tripp Lite OSU51011) .....	619.56	
27 29 00 00-0707 EA Minicom PS/2 Remote Unit for Phantom Specter KVM Switch TAA GSA (Tripp Lite OSU51012) .....	401.63	
27 29 00 00-0708 EA Minicom 8PK PS/2 Remote Unit Phantom Specter KVM Switch TAA GSA (Tripp Lite OSU51060) .....	3,082.23	
27 29 00 00-0709 EA Tripp Lite Minicom SMART IP Access 2-Port Remote KVM Over IP NIC TAA GSA (Tripp Lite OSU51068) .....	2,032.58	
27 29 00 00-0710 EA Tripp Lite Minicom ROC PS/2 Server Interface Unit for Smart KVM HD15 PS/2 (Tripp Lite OSU51078) .....	161.88	
27 29 00 00-0711 EA Tripp Lite Minicom ROC USB Server Interface Unit for Smart KVM HD15 USB (Tripp Lite OSU51079) .....	216.76	
27 29 00 00-0712 EA Tripp Lite Minicom 8PK ROC USB Server Interface Unit for Smart KVM HD15 USB (Tripp Lite OSU51079/8) .....	1,618.97	
27 29 00 00-0713 EA Minicom Phantom Specter 1 User Category 5 KVM Switch TAA GSA (Tripp Lite OSU52015) .....	1,136.37	
27 29 00 00-0714 EA Minicom Phantom MXII 2 User for Phantom Specter KVM TAA GSA (Tripp Lite OSU52016) .....	1,852.46	
27 29 00 00-0715 EA Tripp Lite Minicom SMARTTRACK 116 16-Port Category 5 KVM Rack Console LCD TAA GSA (Tripp Lite OSU52091) .....	6,195.57	
27 29 00 00-0716 EA Tripp Lite Minicom Power on Cable PX / IP Remote Access 90-160 Volt AC TAA GSA (Tripp Lite OSU60020) .....	463.74	
27 29 00 00-0717 EA Tripp Lite Minicom KVM IP Control Local and Remote Serial Access TAA GSA (Tripp Lite OSU70017) .....	2,008.13	
27 29 00 00-0718 EA Tripp Lite Minicom PX USB 1-Port Remote KVM Access Virtual Media TAA GSA (Tripp Lite OSU70028) .....	1,696.79	
27 29 00 00-0719 EA Tripp Lite Minicom SMART 116 IP 16-Port Category 5 KVM Switch 1URM TAA GSA (Tripp Lite OSU70030) .....	2,730.26	
27 29 00 00-0720 EA Tripp Lite Minicom SMART 108 IP 8-Port Category 5 KVM Switch 1URM TAA GSA (Tripp Lite OSU70032) .....	2,298.37	
27 29 00 00-0721 EA Tripp Lite Minicom PX SERIAL 1-Port Remote IP KVM Access TAA GSA (Tripp Lite OSU70033) .....	918.45	
27 29 00 00-0722 EA Tripp Lite Minicom SMART 216 IP 16-Port Category 5 KVM Switch 2+1 User 1U TAA GSA (Tripp Lite OSU70036) .....	5,503.59	
27 29 00 00-0723 EA Tripp Lite Minicom SMART 232 IP 32-Port Category 5 KVM Switch 2+1 User 1U TAA GSA (Tripp Lite OSU70037) .....	7,145.17	
27 29 00 00-0724 EA Minicom PX USB External Power Supply for OSU70028 KVM IP (Tripp Lite OSU70042) .....	52.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 29 00 00-0725	EA	Tripp Lite Minicom SMARTRACK 116 16-Port IP Category 5 KVM Rack Console LCD TAA (Tripp Lite 0SU70050) .....	7,316.39	
27 29 00 00-0726	EA	Tripp Lite Minicom PX USB Remote KVM Access w Power On Cable TAA GSA (Tripp Lite 0SU70068) .....	2,008.13	
27 29 00 00-0727	EA	Tower kit with 2 base stands. Converts 19" rack products to tower. Expandable from 2U to 9U. (Tripp Lite 2-9USTAND).....	194.46	
27 29 00 00-0728	EA	2-Post RM Kit for 3U and Larger UPS, Transformer, Battery Pack (Tripp Lite 2POSTRMKITHD).....	293.16	
27 29 00 00-0729	EA	Horizontal mounting rails for 2 post rackmount/wallmount installation. Easy installation. Fits all 2 post racks. For all current rackmount UPS or battery packs. (Tripp Lite 2POSTRMKITWM).....	205.21	
27 29 00 00-0730	EA	Relocateable Power Taps, 3 outlets, 6' cord, Metal-Receptacle Series, master switch pilot light. Blue/Gray Color With Tabs (Tripp Lite 3SP) .....	49.25	
27 29 00 00-0731	EA	SmartRack Installation Kit for UPS up to 250lbs (Tripp Lite 4POSTRAILKIT) .....	175.04	
27 29 00 00-0732	EA	Universal Adjustable Rack Enclosure Server Cabinet Shelf Kit 1U (Tripp Lite 4POSTRAILKIT1U) .....	139.86	
27 29 00 00-0733	EA	Relocateable Power Taps, 4 outlets, 6' cord, Metal-Duplex Series, master switch pilot light. Beige Color Without tabs (Tripp Lite 4SPDX).....	52.77	
27 29 00 00-0734	EA	Minicom PX USB Power-on-Cable Kit for 0SU70028 KVM IP (Tripp Lite 5CB00615) .....	107.00	
27 29 00 00-0735	EA	Relocateable Power Taps, 5 outlets, 15' cord, Metal-Receptacle Series, no switch. Blue/Gray Color With Tabs (Tripp Lite 602-15) .....	73.88	
27 29 00 00-0736	EA	Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, master on/off switch. Beige Color Without Tabs (Tripp Lite 6NX-6) .....	45.73	
27 29 00 00-0737	EA	Relocateable Power Taps, 6 outlets, 6' cord, Metal-Receptacle Series, master switch pilot light. Blue/Gray Color With Tabs (Tripp Lite 6SP) .....	77.39	
27 29 00 00-0738	EA	Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, master switch pilot light. Beige Color Without tabs (Tripp Lite 6SPDX).....	58.05	
27 29 00 00-0739	EA	Relocateable Power Taps, 6 outlets, 5' cord, Metal-Duplex Series, master switch pilot light. Beige Color Without tabs (Tripp Lite 6SPDX-15).....	73.88	
27 29 00 00-0740	EA	12V 75 AH Sealed Maintenance-Free Battery for all APS Models (Tripp Lite 98-121) .....	844.30	
27 29 00 00-0741	EA	Composite Video Gold Cable (superior insulation, silver-coated copper center cond.) RCA M/M - 6 ft. (Tripp Lite A004-006).....	11.86	
27 29 00 00-0742	EA	Composite Video Gold Cable w Silver Plated Center Conductor, RCA M/M, 12' (Tripp Lite A004-012) .....	17.26	
27 29 00 00-0743	EA	Component Video Keystone Snap-In Module Kit Red, Green, Blue (Tripp Lite A008-000-KJ) .....	29.65	
27 29 00 00-0744	EA	Component Video Gold Cable (silver-coated copper center cond.) 3xRCA M/M - 6 ft. (Tripp Lite A008-006).....	37.74	
27 29 00 00-0745	EA	Component Video Gold Cable w Silver Plated Center Conductor, 3xRCA M/M, 12' (Tripp Lite A008-012).....	48.53	
27 29 00 00-0746	EA	S-Video Gold Cable - 6 ft. (Tripp Lite A012-006) .....	16.18	
27 29 00 00-0747	EA	S-Video Gold Cable, MD4M/M, 12' (Tripp Lite A012-012) .....	26.95	
27 29 00 00-0748	EA	Composite Video Keystone Snap-In Module Kit Red, White, Yellow (Tripp Lite A020-000-KJ).....	29.65	
27 29 00 00-0749	EA	Audio Keystone Snap-In Module Kit RCA Couplers Red, White (Tripp Lite A050-000-KJ) .....	19.95	
27 29 00 00-0750	EA	High Resolution Gold Audio Cables (silver-coated copper center cond.) 2xRCA M/M - 6 ft. (Tripp Lite A050-006) .....	21.56	
27 29 00 00-0751	EA	RF Digital Coax Gold Audio Cable (silver-coated copper center cond.) RCA M/M - 6 ft. (Tripp Lite A060-006) .....	13.49	
27 29 00 00-0752	EA	RF Digital Coax Gold Audio Cable w Silver Plated Center Conductor, RCA M/M, 12' (Tripp Lite A060-012).....	21.56	
27 29 00 00-0753	EA	Digital Optical Audio Cable, 2x Toslink, 1M (3') (Tripp Lite A102-01M) .....	21.56	
27 29 00 00-0754	EA	Digital Optical Audio Cable, 2xToslink - 2M (Tripp Lite A102-02M) .....	26.95	
27 29 00 00-0755	EA	Digital Optical Audio Cable, 2x Toslink, 3M (10') (Tripp Lite A102-03M).....	32.35	
27 29 00 00-0756	EA	Digital Optical Audio Cable, 2x Toslink, 12' (Tripp Lite A102-04M).....	37.74	
27 29 00 00-0757	EA	RG59 Coax Cable with F-Type Connectors - 6ft (Tripp Lite A200-006).....	13.49	
27 29 00 00-0758	EA	RG59 Coax Cable with F-Type Connectors - 12ft (Tripp Lite A200-012) .....	20.48	
27 29 00 00-0759	EA	RG59 Coax Cable with F-Type Connectors - 25ft (Tripp Lite A200-025) .....	32.35	
27 29 00 00-0760	EA	2,000 Continuous Watt, 3,000 Overpower Watt, 4,000 Doubleboost Watt Hardwired 2,000 VA, 12 Volt DC, RJ45 Remote Port. 60/15 Amperes, (selectable) Regulated Charger. (Tripp Lite APS INT2012).....	2,246.58	
27 29 00 00-0761	EA	2,400 Continuous Watt, 3,600 Overpower Watt, 4,800 Doubleboost Watt Hardwired 2,400 VA, 24 Volt DC, RJ45 Remote Port. 30/7.5 Amperes, (selectable) Regulated Charger. (Tripp Lite APS INT2424).....	2,525.08	
27 29 00 00-0762	EA	1000W 12V Inverter / Charger Pure Sine Wave 120V 4A/40A Hardwire (Tripp Lite APS1012SW).....	2,269.06	
27 29 00 00-0763	EA	12 Volt DC to AC Inverter with Automatic Line-to-Battery, 30 Amperes Charger, 1,250 continuous wattage, 1,875 overpower wattage, 2,500 doubleboost wattage, 2 AC outlets (Tripp Lite APS1250).....	1,449.38	
27 29 00 00-0764	EA	12 Volt DC to AC Inverter with Automatic Line-to-Battery, 100/25 Amperes Charger, 2,000 continuous wattage, 3,000 overpower wattage, 4,000 doubleboost wattage, Hardwired (Tripp Lite APS2012).....	2,128.34	
27 29 00 00-0765	EA	2000W 12V Inverter / Charger Pure Sine Wave 120V 8A/80A Hardwire (Tripp Lite APS2012SW).....	2,955.05	
27 29 00 00-0766	EA	24 Volt DC to AC Inverter with Automatic Line-to-Battery, 55/14 Amperes Charger, 2,400 continuous wattage, 3,600 overpower wattage, 4,800 doubleboost wattage, Hardwired (Tripp Lite APS2424).....	2,392.19	
27 29 00 00-0767	EA	48V DC to AC Inverter with Automatic Line-to-Battery 15amp Charger 2400 continuous wattage 3600 overpower wattage 4800 doubleboost wattage Hardwired (Tripp Lite APS2448UL).....	2,466.06	
27 29 00 00-0768	EA	36 Volt DC to AC Inverter with Automatic Line-to-Battery 30 Amperes Charger 3,600 continuous wattage, 5,400 overpower wattage, 7,200 doubleboost wattage, Hardwired (Tripp Lite APS3636VR).....	2,993.75	
27 29 00 00-0769	EA	12 Volt DC to AC Compact Inverter with Automatic Line-to-Battery, 20 Amperes Charger, 700 continuous wattage, 1,050 overpower wattage, 1,400 doubleboost wattage, 1 AC outlets (Tripp Lite APS700HF) .....	826.71	
27 29 00 00-0770	EA	12 Volt DC to AC Inverter with Automatic Line-to-Battery, 20 Amperes Charger, 750 continuous wattage, 1,125 overpower wattage, 1,500 doubleboost wattage, 2 AC outlets (Tripp Lite APS750).....	1,051.86	
27 29 00 00-0771	EA	3,600 Continuous Watt, 5,400 Overpower Watt, 7,200 Doubleboost Watt Hardwired 3600VA, 36 Volt DC, RJ45 Remote Port. 30 Amperes (selectable) Regulated Charger. Voltage Regulated. (Tripp Lite APSINT3636VR) .....	3,160.07	
27 29 00 00-0772	EA	Remote Control Module for APS/PV Models with RJ45 Ports includes Mounting Plate And Cords (Tripp Lite APSRM4).....	347.88	
27 29 00 00-0773	EA	Remote Control for Sine Wave Inverter / Chargers (Tripp Lite APSRMSW).....	347.88	
27 29 00 00-0774	EA	1000W 12V International Inverter / Charger Pure Sine Wave 230V 4A/40A Hardwire (Tripp Lite APSX1012SW).....	2,777.59	
27 29 00 00-0775	EA	1,250 Continuous Watt, 1,875 Overpower Watt, 2,500 Doubleboost Watt, 2 AC Outlets 1250 VA, 12 Volt DC, RJ45 Remote Port. 30/7.5 Amperes (selectable) Regulated Charger. (Tripp Lite APSX1250).....	1,529.90	
27 29 00 00-0776	EA	2000W 12V International Inverter / Charger Pure Sine Wave 230V 8A/80A Hardwire (Tripp Lite APSX2012SW).....	3,119.22	
27 29 00 00-0777	EA	750 Continuous Watt, 1,125 Overpower Watt, 1,500 Doubleboost Watt, 2 AC Outlets 750VA, 12 Volt DC, RJ45 Remote Port, 20 Amperes Regulated (Tripp Lite APSX750) .....	1,032.31	
27 29 00 00-0778	EA	Eco Green A/V Surge Protector RJ11 RJ45 Coax 10 Outlet 8ft Cord (Tripp Lite AV101RG) .....	304.89	
27 29 00 00-0779	EA	Eco Green A/V Surge Protector RJ11 RJ45 Coax 12 Outlet 10ft Cord (Tripp Lite AV1210SATG).....	212.64	
27 29 00 00-0780	EA	Eco Green A/V Surge Protector 8 Outlet 6ft Cord 1080 Joule (Tripp Lite AV86G) .....	101.63	
27 29 00 00-0781	EA	Eco Green A/V Surge Protector RJ11 RJ45 Coax 8 Outlet 8ft Cord (Tripp Lite AV88SATG) .....	148.53	
27 29 00 00-0782	EA	550VA UPS System Low Profile Line-Interactive 120V 8 Outlet - 550 VA, 1 USB, Modem/Fax Protection (Tripp Lite AVR550U).....	221.63	
27 29 00 00-0783	EA	700VA UPS Line Interactive 8 Outlet 6ft Cord 120V (Tripp Lite AVR700U).....	251.53	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0784	EA		750VA UPS System Low Profile Line-Interactive 120V 12 Outlet - 750 VA, 1 USB, Modem/Fax Protection (Tripp Lite AVR750U).....	300.78	
27 29 00 00-0785	EA		900VA UPS System Low Profile Line-Interactive 120V 12 Outlet - 900 VA, 1 USB, Modem/Fax Protection (Tripp Lite AVR900U).....	348.27	
27 29 00 00-0786	EA		TAA Compliant 900VA UPS Ultra Compact 12 outlets (Tripp Lite AVR900UTAA).....	394.01	
27 29 00 00-0787	EA		550VA International UPS System Low Profile Line-Interactive AVR 230V 6 Outlet - 550 VA, 1 USB (Tripp Lite AVRX550U).....	308.21	
27 29 00 00-0788	EA		TAA Compliant 550VA Intl UPS Ultra Compact 6 outlets 230V (Tripp Lite AVRX550UTAA).....	349.06	
27 29 00 00-0789	EA		750VA International UPS System Low Profile Line-Interactive AVR 230V 6 Outlet - 750 VA 1 USB, Modem/Fax Protection (Tripp Lite AVRX750U).....	467.88	
27 29 00 00-0790	EA		TAA Compliant 750VA Intl UPS Ultra Compact 6 outlets 230V (Tripp Lite AVRX750UTAA).....	531.01	
27 29 00 00-0791	EA		2-Port Secure KVM Switch DVI / USB Audio NIAP EAL2 TAA GSA (Tripp Lite B002-DUA2).....	1,641.70	
27 29 00 00-0792	EA		4-Port Secure KVM Switch DVI / USB Audio NIAP EAL2 TAA GSA (Tripp Lite B002-DUA4).....	1,798.05	
27 29 00 00-0793	EA		8 Port KVM Switch, (With On-Screen Display, PS/2, Non-Expandable) 1U Rackmount (Tripp Lite B004-008).....	384.63	
27 29 00 00-0794	EA		2 Port KVM Switch (DVI/USB), Desktop with Audio And Cables (Tripp Lite B004-DUA2-K-R).....	437.79	
27 29 00 00-0795	EA		4-Port Compact KVM Switch DVI / USB With Audio And Cables (Tripp Lite B004-DUA4-K-R).....	672.31	
27 29 00 00-0796	EA		2 Port KVM Switch (PS/2), Desktop with Audio And Cables (Tripp Lite B004-VPA2-K-R).....	100.07	
27 29 00 00-0797	EA		2 Port KVM Switch (USB), Desktop with Audio And Cables (Tripp Lite B004-VUA2-K-R).....	118.83	
27 29 00 00-0798	EA		KVM Switch 4-Port Desktop KVM Switch (USB) TAA / GSA (Tripp Lite B006-VU4-R).....	312.70	
27 29 00 00-0799	EA		4-Port KVM Switch w Audio, 2-Port USB2.0 Hub, Included Cables (Tripp Lite B006-VUA4-K-R).....	625.41	
27 29 00 00-0800	EA		8 Port KVM Switch, (With On-Screen Display, PS/2) 1U Rackmount (Tripp Lite B007-008).....	844.30	
27 29 00 00-0801	EA		Category 5 Console (PS/2 or USB) Extender - 330ft Range (Tripp Lite B013-330).....	562.87	
27 29 00 00-0802	EA		USB to PS/2 Adapter (Tripp Lite B015-000).....	29.71	
27 29 00 00-0803	EA		Two-Post Rackmount Bracket for B021 and B020 Series KVM Switch Consoles (Tripp Lite B019-000).....	200.13	
27 29 00 00-0804	EA		8 Port KVM Switch, 17 Inch Console (with built-in slide out keyboard and tilt-up console) 1U Rackmount (Tripp Lite B020-008-17).....	4,105.80	
27 29 00 00-0805	EA		16 Port KVM Switch, 17 Inch Console (with built-in slide out keyboard and tilt-up console) 1U Rackmount (Tripp Lite B020-016-17).....	4,925.09	
27 29 00 00-0806	EA		NetDirector 17" Console KVM Switch With IP - 16 Port (Tripp Lite B020-016-17-IP).....	9,928.35	
27 29 00 00-0807	EA		NetDirector 19in Console KVM with Built-In IP Access - 8 Port (Tripp Lite B020-U08-19-IP).....	7,817.60	
27 29 00 00-0808	EA		NetDirector 19in Console KVM with 8 USB/PS2 Combo Cable Kits - 8Port (Tripp Lite B020-U08-19-K).....	4,377.86	
27 29 00 00-0809	EA		8-Port Rack Console KVM Switch 19" LCD PS2/USB Cable 1U TAA/GSA (Tripp Lite B020-U08-19KTA).....	4,377.86	
27 29 00 00-0810	EA		NetDirector 19in Console KVM with 8 USB/PS2 Combo Cable Kits - 16Port (Tripp Lite B020-U16-19-K).....	5,315.97	
27 29 00 00-0811	EA		1U Rackmount Console (with built-in slide-out keyboard/touch pad and tilt-up 17-inch LCD monitor.) (Tripp Lite B021-000-17).....	2,345.28	
27 29 00 00-0812	EA		TAA Compliant KVM Console 17" Monitor 1U Rackmount (Tripp Lite B021-000-17TAA).....	2,720.52	
27 29 00 00-0813	EA		Rackmount Console with 19" LCD (Tripp Lite B021-000-19).....	3,424.11	
27 29 00 00-0814	EA		Short-Body Rackmount Console (1U) w 19" LCD (Tripp Lite B021-000-19-SH).....	3,908.80	
27 29 00 00-0815	EA		KVM Rack Console 1U Dual Rail Rackmount 17" LCD (Tripp Lite B021-02R-17).....	3,596.10	
27 29 00 00-0816	EA		2 Port KVM Switch, Desktop with two cables - PS/2 (Tripp Lite B022-002-KT-R).....	132.90	
27 29 00 00-0817	EA		4 Port KVM Switch - PS/2 (Tripp Lite B022-004-R).....	148.53	
27 29 00 00-0818	EA		NetDirector USB/PS2 KVM Switch - 16 Port (Tripp Lite B022-U16).....	1,798.05	
27 29 00 00-0819	EA		NetController Console KVM with 19" LCD Console - 8 port (Tripp Lite B040-008-19).....	3,830.62	
27 29 00 00-0820	EA		NetController Console KVM with 19" LCD Console - 16 port (Tripp Lite B040-016-19).....	5,057.17	
27 29 00 00-0821	EA		NetController KVM Switch - 4 Port (Tripp Lite B042-004).....	781.76	
27 29 00 00-0822	EA		NetController KVM Switch - 8 Port (Tripp Lite B042-008).....	938.11	
27 29 00 00-0823	EA		NetController KVM Switch - 16 Port (Tripp Lite B042-016).....	1,563.52	
27 29 00 00-0824	EA		IP Remote Access Unit (KVM over IP) (Tripp Lite B051-000).....	1,813.68	
27 29 00 00-0825	EA		IP Remote Access Unit KVM over IP Power / Serial Control TAA GSA (Tripp Lite B051-000-AC).....	2,188.93	
27 29 00 00-0826	EA		PS/2 Server Interface for B060-032 KVM Switch (Tripp Lite B054-001-PS2).....	437.79	
27 29 00 00-0827	EA		SUN Server Interface for B060-032 KVM Switch (Tripp Lite B054-001-SUN).....	469.06	
27 29 00 00-0828	EA		USB Server Interface for B060-032 KVM Switch (Tripp Lite B054-001-USB).....	437.79	
27 29 00 00-0829	EA		PS/2 Server Interface Module for B064- Series KVM Switches (Add 1 per Server: Use With Category 5/5E/6) (Tripp Lite B055-001-PS2).....	309.58	
27 29 00 00-0830	EA		Serial Server Interface Module for B064- Series KVM Switches (Add 1 per Server: Use With Category 5/5E/6) (Tripp Lite B055-001-SER).....	309.58	
27 29 00 00-0831	EA		USB Server Interface Module for B064- Series KVM Switches (Add 1 per Server: Use With Category 5/5E/6) (Tripp Lite B055-001-USB).....	309.58	
27 29 00 00-0832	EA		USB With Virtual Media Server Interface Module for B064- Series KVM Switches (Add 1 per Server: Use With Category 5/5E/6) (Tripp Lite B055-001-USB-V2).....	390.88	
27 29 00 00-0833	EA		USB Server Interface Unit Virtual Media And CAC B064 Category 5 KVM TAA (Tripp Lite B055-001-UV2CAC).....	406.52	
27 29 00 00-0834	EA		16-Port Matrix (2-User) 1U Rackmount KVM Switch (Tripp Lite B060-016-2).....	5,003.26	
27 29 00 00-0835	EA		PS/2 Console Interface Module (Tripp Lite B062-002-PS2).....	1,563.52	
27 29 00 00-0836	EA		Console Interface Module for B060-Series KVMs - USB (Tripp Lite B062-002-USB).....	1,563.52	
27 29 00 00-0837	EA		16-Port Category 5 KVM Switch 1U RM TAA / GSA (Tripp Lite B064-016).....	1,751.14	
27 29 00 00-0838	EA		NetDirector Category 5 IP KVM Switch - 16 Port, 2-User (Virtual Media, Dual Power Supply) (Tripp Lite B064-016-02-IPG).....	10,006.53	
27 29 00 00-0839	EA		NetDirector Category 5 IP KVM Switch - 16 Port, 4-User (Virtual Media, Dual Power Supply) (Tripp Lite B064-016-04-IPG).....	16,260.61	
27 29 00 00-0840	EA		NetDirector Category 5 IP KVM Switch - 32 Port, 2-User (Virtual Media, Dual Power Supply) (Tripp Lite B064-032-02-IPG).....	13,289.92	
27 29 00 00-0841	EA		NetDirector Category 5 IP KVM Switch - 32 Port, 4-User (Virtual Media, Dual Power Supply) (Tripp Lite B064-032-04-IPG).....	19,387.65	
27 29 00 00-0842	EA		8-Port Rack VGA Console Category 5 KVM Switch 1U RM 19" Mon/Kybd/Tchpd (Tripp Lite B070-008-19).....	3,439.74	
27 29 00 00-0843	EA		NetCommander Category 5 Console KVM - 16 Port (Tripp Lite B070-016-19).....	4,221.50	
27 29 00 00-0844	EA		NetCommander Category 5 Console KVM With IP - 16 Port (Tripp Lite B070-016-19-IP).....	7,504.90	
27 29 00 00-0845	EA		16-Port Rack Console KVM Switch VGA Category 5 1U RM 19" LCD TAA / GSA (Tripp Lite B070-016-19TAA).....	4,377.86	
27 29 00 00-0846	EA		NetCommander Category 5 KVM - 8 Port (Tripp Lite B072-008-1).....	1,125.73	
27 29 00 00-0847	EA		NetCommander Category 5 KVM - 16 Port (Tripp Lite B072-016-1).....	1,563.52	
27 29 00 00-0848	EA		16-Port NetCommander Category 5 KVM Switch with IP Remote Access (Tripp Lite B072-016-1-IP).....	3,752.45	
27 29 00 00-0849	EA		NetCommander Server Interface Unit for B070/72 KVM - PS/2 - 100ft (Tripp Lite B078-101-PS2).....	197.00	
27 29 00 00-0850	EA		NetCommander Server Interface Unit for B070/72 KVM - USB - 100ft (Tripp Lite B078-101-USB).....	212.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0851 EA Console Server Adapter - Cisco RJ45 F to DB9 F - Straight (Tripp Lite B090-A9F).....	18.76	
27 29 00 00-0852 EA Console Server Adapter - Cisco RJ45 F to DB9 F - Crossover (Tripp Lite B090-A9F-X).....	18.76	
27 29 00 00-0853 EA Console Server Adapter - Cisco RJ45 F to DB9 M - Straight (Tripp Lite B090-A9M).....	18.76	
27 29 00 00-0854 EA 16-Port Serial Console Server Management Switch With Power Alert (Tripp Lite B092-016).....	5,628.67	
27 29 00 00-0855 EA 8-Port Serial Console / Terminal Server Mgmt Switch TAA GSA (Tripp Lite B094-008-2E-M-F).....	2,579.81	
27 29 00 00-0856 EA Console Server with 1 NIC and Built-In Modem - 3 Port (Tripp Lite B095-003-1E-M).....	1,782.41	
27 29 00 00-0857 EA Console Server with 1 NIC - 4 Port (Tripp Lite B095-004-1E).....	1,297.72	
27 29 00 00-0858 EA 16-Port Serial Console Server Management Switch (Tripp Lite B096-016).....	5,628.67	
27 29 00 00-0859 EA 48-Port Serial Console Server Management Switch (Tripp Lite B096-048).....	9,381.12	
27 29 00 00-0860 EA Manual VGA/SVGA 2 Position Switch - 3xHD15F (Tripp Lite B112-002-R).....	35.96	
27 29 00 00-0861 EA VGA/SVGA 350MHz Video Splitter - 2 Port - HD15 (M)/x2 (F) (Tripp Lite B114-002-R).....	98.50	
27 29 00 00-0862 EA VGA/SVGA Video Splitter - 4 Port - HD15 (M)/x4 (F) (Tripp Lite B114-004-R).....	125.08	
27 29 00 00-0863 EA DVI Single Link with Audio Splitter - 2 Port (Tripp Lite B116-002A).....	250.16	
27 29 00 00-0864 EA 4-Port DVI Single Link Video / Audio Splitter / Booster (Tripp Lite B116-004A).....	469.06	
27 29 00 00-0865 EA HDMI v1.3 Splitter - 2Port (Tripp Lite B118-302-R).....	187.62	
27 29 00 00-0866 EA HDMI v1.3 Splitter - 4Port (Tripp Lite B118-304-R).....	390.88	
27 29 00 00-0867 EA HDMI v1.3 Video Switch With Remote - 2 Port (Tripp Lite B119-302-R).....	112.57	
27 29 00 00-0868 EA 3Port HDMI Switch w Remote, v1.3 (Tripp Lite B119-303-R).....	187.62	
27 29 00 00-0869 EA DVI Dual Link Extender, DVI F/F (Tripp Lite B120-000).....	165.73	
27 29 00 00-0870 EA DVI Single Link Signal Extender DVI F/F TAA / GSA (Tripp Lite B120-000-SL).....	143.84	
27 29 00 00-0871 EA Displayport Active Extender Signal Booster Displayport F/F TAA (Tripp Lite B121-000).....	375.24	
27 29 00 00-0872 EA HDMI Extender, HDMI F/F (Tripp Lite B122-000).....	125.08	
27 29 00 00-0873 EA HDMI Signal Booster Extender 1080p at 60 Hertz HDMI F/F TAA / GSA (Tripp Lite B122-000-60).....	312.70	
27 29 00 00-0874 EA HDMI v1.3 Active Extender Cable (Tripp Lite B123-001).....	156.35	
27 29 00 00-0875 EA 1ft HDMI Active Signal Extender Cable HDMI M/F 1' TAA GSA (Tripp Lite B123-001-60).....	234.53	
27 29 00 00-0876 EA HDMI over Category 5 Dual Category 6 60 Hertz Extender Kit TAA GSA (Tripp Lite B125-101-60).....	390.88	
27 29 00 00-0877 EA HDMI over Dual Category 6 60 Hertz Wallplate Extender Kit TAA GSA (Tripp Lite B125-101-60-WP).....	390.88	
27 29 00 00-0878 EA HDMI over Category 5 Extender, (2) RJ45 F, (2) HDMI F (Tripp Lite B125-150).....	312.70	
27 29 00 00-0879 EA 2-Port HDMI Over Category 5 Extender / Splitter TAA / GSA (Tripp Lite B126-002).....	406.52	
27 29 00 00-0880 EA 4-Port HDMI Over Category 5 Extender / Splitter TAA / GSA (Tripp Lite B126-004).....	656.68	
27 29 00 00-0881 EA HDMI over Category 5 Active Extender / Remote Repeater TAA GSA (Tripp Lite B126-110).....	531.60	
27 29 00 00-0882 EA HDMI Over Category 5 Active Extender Remote Unit TAA / GSA (Tripp Lite B126-1A0).....	406.52	
27 29 00 00-0883 EA HDMI Over Single Category 5 RJ45 Active Ext Remote Wallplate TAA GSA (Tripp Lite B126-1A0-WP-1).....	406.52	
27 29 00 00-0884 EA HDMI Over Category 5 Active Extender Kit TAA / GSA (Tripp Lite B126-1A1).....	531.60	
27 29 00 00-0885 EA HDMI + IR + Serial RS232 over Category 5 / 6 Active Extender Kit TAA GSA (Tripp Lite B126-1A1SR).....	1,250.82	
27 29 00 00-0886 EA Tripp Lite HDMI Over Category 5 / 6 Active Wallplate Extender Kit TAA GSA (Tripp Lite B126-1A1-WP).....	531.60	
27 29 00 00-0887 EA HDMI Over Category 5 Passive Extender Remote Unit TAA / GSA (Tripp Lite B126-1P0).....	93.81	
27 29 00 00-0888 EA HDMI Over Category 5 Passive Extender Remote Wallplate TAA / GSA (Tripp Lite B126-1P0-WP).....	93.81	
27 29 00 00-0889 EA VGA over Category 5 Extender, 1 Local Port, 1 Remote Port (Tripp Lite B130-101).....	359.61	
27 29 00 00-0890 EA VGA over Category 5 Extender with Audio, 1 Local Port, 1 Remote Port (Tripp Lite B130-101A).....	406.52	
27 29 00 00-0891 EA VGA + Audio over Category 5 (RJ45) Ext Wallplate Kit TAA / GSA (Tripp Lite B130-101A-WP-1).....	390.88	
27 29 00 00-0892 EA VGA with RS-232 Serial over Category 5 Extender Kit (Tripp Lite B130-101S).....	422.15	
27 29 00 00-0893 EA VGA with RS-232 Serial over Category 5 (110 type) Extender Wallplate Kit (Tripp Lite B130-101S-WP).....	390.88	
27 29 00 00-0894 EA VGA over Category 5 Extender Kit USB Powered up to 500ft TAA/GSA (Tripp Lite B130-101-U).....	343.97	
27 29 00 00-0895 EA VGA over Category 5 (RJ45) Extender Wallplate Kit TAA/GSA (Tripp Lite B130-101-WP-1).....	343.97	
27 29 00 00-0896 EA VGA over Category 5 Extender / Repeater Kit TAA / GSA (Tripp Lite B130-111).....	531.60	
27 29 00 00-0897 EA VGA + Audio over Category 5 Extender / Repeater Kit TAA / GSA (Tripp Lite B130-111A).....	594.14	
27 29 00 00-0898 EA VGA over Category 5 Extender 2-Port Transmitter TAA / GSA (Tripp Lite B132-002-1).....	250.16	
27 29 00 00-0899 EA 2-Port VGA And Audio over Category 5 Extender / Splitter (Tripp Lite B132-002A).....	265.80	
27 29 00 00-0900 EA VGA over Category 5 Extender 4-Port Transmitter TAA / GSA (Tripp Lite B132-004-1).....	375.24	
27 29 00 00-0901 EA VGA with Audio over Category 5 Extender/Splitter Local Unit - 4 Remote Ports (Tripp Lite B132-004A).....	406.52	
27 29 00 00-0902 EA VGA over Category 5 Extender/Splitter Rackmount Bracket (Tripp Lite B132-004-RB).....	128.21	
27 29 00 00-0903 EA VGA over Category 5 Receiver TAA / GSA (Tripp Lite B132-100-1).....	203.26	
27 29 00 00-0904 EA VGA with Audio over Category 5 Extender Remote Unit (Tripp Lite B132-100A).....	234.53	
27 29 00 00-0905 EA VGA + Audio over Category 5 Receiver RJ45 type Wallplate TAA / GSA (Tripp Lite B132-100A-WP-1).....	234.53	
27 29 00 00-0906 EA VGA over Category 5 Receiver RJ45 type Wallplate TAA / GSA (Tripp Lite B132-100-WP-1).....	203.26	
27 29 00 00-0907 EA VGA over Category 5 Extender Remote / Repeater Unit TAA / GSA (Tripp Lite B132-110).....	281.43	
27 29 00 00-0908 EA VGA + Audio over Category 5 Extender Remote / Repeater Unit TAA / GSA (Tripp Lite B132-110A).....	300.20	
27 29 00 00-0909 EA Component Video (RGB) with Stereo Audio Over Category 5 Extender/Splitter - 4 Port (Tripp Lite B136-004).....	359.61	
27 29 00 00-0910 EA Component Video (RGB) with Stereo Audio Over Category 5 Extender Remote Unit (Tripp Lite B136-100).....	109.45	
27 29 00 00-0911 EA Component Video (RGB) with Stereo Audio Over Category 5 (110 Type) Extender Remote Wallplate (Tripp Lite B136-100-WP).....	109.45	
27 29 00 00-0912 EA Component Video (RGB) with Stereo Audio Over Category 5 Extender Kit (Tripp Lite B136-101).....	203.26	
27 29 00 00-0913 EA Category 5 Extender Wallplate Kit Component Video Stereo Audio TAA GSA (Tripp Lite B136-101-WP-1).....	203.26	
27 29 00 00-0914 EA S-Video with Stereo Audio Over Category 5 Extender Kit (Tripp Lite B137-101).....	203.26	
27 29 00 00-0915 EA DVI over Category 5 Extender /Splitter 2-Port TAA / GSA (Tripp Lite B140-002).....	312.70	
27 29 00 00-0916 EA DVI over Category 5 Extender /Splitter 4-Port TAA / GSA (Tripp Lite B140-004).....	562.87	
27 29 00 00-0917 EA DVI Over Category 5 Extender Kit (Tripp Lite B140-101).....	171.99	
27 29 00 00-0918 EA DVI Over Category 5 (110 Type) Extender Wallplate Kit (Tripp Lite B140-101-WP).....	171.99	
27 29 00 00-0919 EA DVI Over Category 5 Active Extender Kit (Tripp Lite B140-101X).....	594.14	
27 29 00 00-0920 EA DVI over Category 5 Remote Extender / Repeater Unit TAA GSA (Tripp Lite B140-110).....	656.68	
27 29 00 00-0921 EA DVI Over Category 5 Active Extender Remote Unit TAA / GSA (Tripp Lite B140-1A0).....	343.97	
27 29 00 00-0922 EA DVI Over Category 5 Active Extender Remote Wallplate TAA / GSA (Tripp Lite B140-1A0-WP).....	343.97	
27 29 00 00-0923 EA DVI over Category 5 Active Extender Wallplate Kit TAA GSA (Tripp Lite B140-1A1-WP).....	469.06	
27 29 00 00-0924 EA DVI Over Category 5 Passive Extender Remote Unit TAA / GSA (Tripp Lite B140-1P0).....	62.54	
27 29 00 00-0925 EA DVI Over Category 5 Passive Extender Remote Wallplate TAA / GSA (Tripp Lite B140-1P0-WP).....	78.18	
27 29 00 00-0926 EA RS-232 / Serial over Category 5 Extender Kit (Tripp Lite B165-101).....	203.26	
27 29 00 00-0927 EA IEEE Reversible 2 Position Gold Autoswitch - 3xDB25F (Tripp Lite B170-002-R).....	78.18	
27 29 00 00-0928 EA USB over Category 5 Extender Kit (Tripp Lite B202-150).....	81.30	
27 29 00 00-0929 EA USB Hi-Speed 2.0 over Category 5 Extender Kit 480Mbps 330ft TAA/GSA (Tripp Lite B203-101).....	406.52	
27 29 00 00-0930 EA 4-Port High Speed USB 2.0 Over Category 5 Extender Hub TAA GSA (Tripp Lite B203-104).....	531.60	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0931	EA	300VA UPS System Standby Tower Small Footprint 120V 3 Outlet - 300 VA (Tripp Lite BC PERS300).....	258.57	
27 29 00 00-0932	EA	450VA UPS System Standby Tower Small Footprint 120V 3 Outlet - 450 VA (Tripp Lite BC PERS450).....	291.99	
27 29 00 00-0933	EA	1050VA UPS System Standby Tower Small Footprint 120V 6 Outlet - 1050 VA 1 USB, Replace Battery LED, Overload LED, Self Test, Alarm (Tripp Lite BC PRO1050).....	883.00	
27 29 00 00-0934	EA	1400VA UPS System Standby Tower Small Footprint 120V 6 Outlet - 1400 VA 1 USB, Replace Battery LED, Overload LED, Self Test, Alarm (Tripp Lite BC PRO1400).....	1,273.49	
27 29 00 00-0935	EA	600VA UPS System Standby Tower Small Footprint 120V 6 Outlet - 600 VA, 1 USB, Modem/Fax Protection (Tripp Lite BC PRO600).....	379.94	
27 29 00 00-0936	EA	350VA UPS System Compact Low Profile Standby 120V 6 Outlet - 350 VA (Tripp Lite BC350).....	142.48	
27 29 00 00-0937	EA	600VA Pure Sine Wave PFC UPS Tower 120V USB Sinewave (Tripp Lite BC600SINE).....	422.15	
27 29 00 00-0938	EA	192V external battery pack (expandable) Smart Online UPS 192V RM 3U External Battery Pack (Tripp Lite BP192V12-3U).....	3,236.49	
27 29 00 00-0939	EA	192V external battery pack (expandable) Smart Online UPS 192V RM 4U External Battery Pack (Tripp Lite BP192V18-4U).....	6,254.86	
27 29 00 00-0940	EA	240V external battery pack (expandable) Smart Online UPS 240V Tower/RM 3U External Battery Pack (Tripp Lite BP240V10RT3U).....	3,109.84	
27 29 00 00-0941	EA	External 24 Volt DC RM/Twr Battery Pack For All Compatible UPS (Tripp Lite BP24V15RT2U).....	583.97	
27 29 00 00-0942	EA	24 Volt external battery pack — Smart Online UPS 24V RM 2U External Battery Pack (Tripp Lite BP24V28-2U).....	1,259.42	
27 29 00 00-0943	EA	24 Volt external battery pack (expandable) Smart Online UPS 24V RM 3U External Battery Pack (Tripp Lite BP24V70-3U).....	2,898.77	
27 29 00 00-0944	EA	Battery Case with Cables. Holds two 98-121 Batteries (Tripp Lite BP-260).....	643.78	
27 29 00 00-0945	EA	36 Volt External Battery Pack — Smart UPS 36V RM 2U External Battery Pack (Tripp Lite BP36V15-2U).....	1,132.77	
27 29 00 00-0946	EA	36 Volt External Battery pack (expandable) Smart UPS 36 Volt RM 3U External Battery Pack (Tripp Lite BP36V42-3U).....	2,997.27	
27 29 00 00-0947	EA	480 Volt external battery pack With internal disconnect for all domestic and International 3-Phase Modular Smart Online UPS (Tripp Lite BP480V26B).....	25,649.15	
27 29 00 00-0948	EA	480 Volt external battery pack With internal disconnect for all domestic and International 3-Phase Modular Smart Online UPS (Tripp Lite BP480V40C).....	31,752.75	
27 29 00 00-0949	EA	48 Volt External Battery Pack — Smart UPS 48 Volt RM 2U External Battery Pack (Tripp Lite BP48V24-2U).....	1,326.26	
27 29 00 00-0950	EA	TAA Compliant External Battery Pack for UPS 2U Rackmount 48 Volt (Tripp Lite BP48V242UTAA).....	1,424.76	
27 29 00 00-0951	EA	48 Volt Shallow Depth External UPS Battery Pack 4U RM (Tripp Lite BP48V48RT4U).....	3,039.48	
27 29 00 00-0952	EA	Smart UPS 48 Volt Tower RM NAFTA External Battery Pack (Tripp Lite BP48V60-3UNAFTA).....	2,919.87	
27 29 00 00-0953	EA	48 Volt External Battery Pack (Expandable) Smart UPS 48 Volt Tower/RM 3U External Battery Pack (Tripp Lite BP48V60RT-3U).....	2,898.77	
27 29 00 00-0954	EA	TAA Compliant External Battery Pack for UPS Rack/Tower 48 Volt (Tripp Lite BP48V60RT3UTAA).....	3,380.72	
27 29 00 00-0955	EA	72V external battery pack — Smart Online UPS 72V RM 2U External Battery Pack (Tripp Lite BP72V15-2U).....	1,801.18	
27 29 00 00-0956	EA	72V external battery pack (expandable) Smart Online UPS 72V Tower/RM3U External Battery Pack (Tripp Lite BP72V28RT3U).....	2,955.05	
27 29 00 00-0957	EA	Connector for multiple battery pack applications. (Tripp Lite BPMULTI).....	269.71	
27 29 00 00-0958	EA	Serial or parallel DB25 RS-232 protector (All pins) for any male or female 25 pin port. (Tripp Lite DB25-ALL).....	54.84	
27 29 00 00-0959	EA	Serial DB9 RS-232 protector (Pins 1-9) for any male or female 9 pin port. (Tripp Lite DB9).....	39.87	
27 29 00 00-0960	EA	Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, visual surge indication, 3 line protection. 600 joules. White Without tabs (Tripp Lite DG115-SI).....	114.33	
27 29 00 00-0961	EA	Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, 6 outlet strip, 3 line protection. 450 joules. White Without tabs (Tripp Lite DG206).....	73.88	
27 29 00 00-0962	EA	RJ45 100 And 10Base-T, Token Ring, AS400/Sys3x, RS422 (Wires 1-8) for NICs, terminals, hubs, MAUs, etc. (Tripp Lite DNET1).....	48.20	
27 29 00 00-0963	EA	12 outlets 15' cord 1050 joules Non-Isobar Economy Surge Suppressor 15-Amperes (Tripp Lite DRS-1215).....	181.37	
27 29 00 00-0964	EA	RJ45 protector (Wires 1-8) for T-1 equipment, CSU/DSUs, digital and leased lines and ISDN. (Tripp Lite DSUT1CSU).....	99.67	
27 29 00 00-0965	EA	RJ11/45 2-line Dial-Up protector, ideal for modems, faxes, answering machines, etc. (Tripp Lite DTSL2).....	53.98	
27 29 00 00-0966	EA	350VA UPS Energy Saving Standby 6 Outlets With USB 120 Volt (Tripp Lite ECO350UPS).....	160.07	
27 29 00 00-0967	EA	550VA UPS Energy Saving Standby 8 Outlets With USB 120 Volt (Tripp Lite ECO550UPS).....	214.59	
27 29 00 00-0968	EA	TAA Compliant 550VA UPS Energy Efficient 8 outlets And USB Port (Tripp Lite ECO550UPSTAA).....	242.74	
27 29 00 00-0969	EA	650VA UPS Eco Green LCD 120V USB RJ11 5-15R 8 Outlet (Tripp Lite ECO650LCD).....	224.50	
27 29 00 00-0970	EA	750VA UPS Energy Saving Standby 12 Outlets With USB 120 Volt (Tripp Lite ECO750UPS).....	297.26	
27 29 00 00-0971	EA	TAA Compliant 750VA UPS Energy Efficient 12 outlets And USB Port (Tripp Lite ECO750UPSTAA).....	334.20	
27 29 00 00-0972	EA	850VA UPS Eco Green LCD 120V USB RJ11 5-15R 12 Outlet (Tripp Lite ECO850LCD).....	293.75	
27 29 00 00-0973	EA	1250W 12V DC to AC Inverter with Automatic Line-to-Battery 55/14-Amperes Charger (Tripp Lite EMS1250UL).....	2,638.44	
27 29 00 00-0974	EA	Allows UPS to monitor external temp./humidity and contact-closure inputs (requires an SNMP card). (Tripp Lite ENVIROSENSE).....	386.97	
27 29 00 00-0975	EA	RF Remote for Vista Media Center (Tripp Lite ER-V2).....	125.08	
27 29 00 00-0976	EA	4 OUTLETS 6' CORD 330 JOULES Isobar Ultra Surge Suppressor 220/240V IEC-320 Receptacles (Tripp Lite EURO-4).....	156.16	
27 29 00 00-0977	EA	Easy Pull Type A Base Cable - 35' (Tripp Lite EZA-035).....	118.83	
27 29 00 00-0978	EA	Easy Pull Type A Base Cable, Plenum Rated - 35' (Tripp Lite EZA-035-P).....	343.97	
27 29 00 00-0979	EA	Easy Pull Type A Base Cable - 50' (Tripp Lite EZA-050).....	156.35	
27 29 00 00-0980	EA	Easy Pull Type A Base Cable - 50' (Tripp Lite EZA-050-P).....	500.33	
27 29 00 00-0981	EA	Easy Pull Type A Base Cable - 100' (Tripp Lite EZA-100).....	312.70	
27 29 00 00-0982	EA	Type A Plenum Base Easy Pull Cable - 100 ft. (Tripp Lite EZA-100-P).....	906.84	
27 29 00 00-0983	EA	Easy Pull Connectors VGA-F/F w Audio (3.5mm F/F) and 2 faceplates, use w Type A cable Contains 2 Cables - 1' (Tripp Lite EZA-VGAAM-2).....	71.92	
27 29 00 00-0984	EA	Easy Pull VGA Cable with Audio - Two HD15 (M) with 3.5mm (M) (Tripp Lite EZA-VGAAM-2).....	50.03	
27 29 00 00-0985	EA	Easy Pull Connectors VGA-M/F w Audio (3.5mm M/F), w Faceplate, use w Type A cable Contains 2 cables and Face Plate - 1' (Tripp Lite EZA-VGAAX-2).....	62.54	
27 29 00 00-0986	EA	Type A Easy Pull Kit - (2) HD15 With Composite Video and Red/White Audio Female Connectors and Wallplates (Tripp Lite EZA-VGACSAF-2).....	150.10	
27 29 00 00-0987	EA	Type A Easy Pull Kit - (2) HD15 With Composite Video and Red/White Audio Male Connectors (Tripp Lite EZA- VGACSAM-2).....	109.45	
27 29 00 00-0988	EA	Type A Easy Pull Kit - HD15 With Composite Video and Red/White Audio - (1) F Connector/Wallplate, (1) M Connector (Tripp Lite EZA-VGACSAX-2).....	137.59	
27 29 00 00-0989	EA	Easy Pull VGA-F (x2) Connectors w (x2) Faceplates (use w Type A cable) Contains 2 cables - 1' (Tripp Lite EZA- VGAF-2).....	62.54	

<b>27</b>	<b>Communications</b>
<b>27 20</b>	<b>Data Communications</b>
<b>27 29</b>	<b>Data Communications Network Systems</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 29 00 00-0990	EA		Easy Pull VGA-M (x2) Connectors (use w Type A cable) Contains 2 cables - 1' (Tripp Lite EZA-VGAM-2).....	46.91	
27 29 00 00-0991	EA		Easy Pull HD15-M and HD15-F Connectors (use w Type A cable), w Faceplate contains 2 cables and 1 faceplate - 1' (Tripp Lite EZA-VGAX-2).....	56.29	
27 29 00 00-0992	EA		25ft Easy Pull Long-Run Display Cable Digital Polyvinyl Chloride (PVC) Trunk Cable 25' (Tripp Lite EZB-025).....	125.08	
27 29 00 00-0993	EA		Easy Pull Type B Base Cable - 50' (Tripp Lite EZB-050).....	140.72	
27 29 00 00-0994	EA		Easy Pull Type B Base Cable - 100' (Tripp Lite EZB-100).....	250.16	
27 29 00 00-0995	EA		Easy Pull DVI-F (x2) Connectors w (x2) faceplates (use w Type B cable), single link Contains 2 cables - 1' (Tripp Lite EZB-DVIF-2).....	56.29	
27 29 00 00-0996	EA		Easy Pull DVI-M (x2) Connectors (use w Type B Cable), single link Contains 2 cables - 1' (Tripp Lite EZB-DVIM-2).....	50.03	
27 29 00 00-0997	EA		Easy Pull DVI-M/F Connectors w (x1) faceplate (use w Type B cable), single link Contains 2 cables - 1' (Tripp Lite EZB-DVIX-2).....	56.29	
27 29 00 00-0998	EA		Easy Pull HDMI-M (x2) Connectors (use w Type B cable) Contains 2 cables - 1' (Tripp Lite EZB-HDMIM-2).....	65.67	
27 29 00 00-0999	EA		IEEE 1394 FireWire Gold Cable, 6pin/6pin - 6 ft. (Tripp Lite F005-006).....	26.95	
27 29 00 00-1000	EA		IEEE 1394 FireWire Gold Cable, 6pin/6pin - 15 ft. (Tripp Lite F005-015).....	48.80	
27 29 00 00-1001	EA		IEEE 1394 FireWire Gold Cable, 6pin/4pin - 3 ft. (Tripp Lite F007-003).....	25.88	
27 29 00 00-1002	EA		IEEE 1394 FireWire Gold Cable, 6pin/4pin - 6 ft. (Tripp Lite F007-006).....	26.95	
27 29 00 00-1003	EA		IEEE 1394 FireWire Gold Cable, 6pin/4pin - 15 ft. (Tripp Lite F007-015).....	45.83	
27 29 00 00-1004	EA		IEEE 1394 FireWire Gold Cable, 4pin/4pin - 6 ft. (Tripp Lite F009-006).....	26.95	
27 29 00 00-1005	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/9pin - 6' (Tripp Lite F015-006).....	70.08	
27 29 00 00-1006	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/9pin - 10' (Tripp Lite F015-010).....	86.27	
27 29 00 00-1007	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/6pin - 6' (Tripp Lite F017-006).....	59.30	
27 29 00 00-1008	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/6pin - 10' (Tripp Lite F017-010).....	67.39	
27 29 00 00-1009	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/4pin - 6' (Tripp Lite F019-006).....	51.22	
27 29 00 00-1010	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/4pin - 10' (Tripp Lite F019-010).....	74.13	
27 29 00 00-1011	EA		Mobile AC Power for Medical Cart. Power Supply with Isolation Transformer. Battery Module. UL 60601-1 Listed (Tripp Lite HCRK).....	3,675.35	
27 29 00 00-1012	EA		Medical Power System With 36-Ampere Hours Battery UL60601-1 Compliance (Tripp Lite HCRK-36).....	2,754.53	
27 29 00 00-1013	EA		Medical Power System With 54-Ampere Hours Battery UL60601-1 Compliance (Tripp Lite HCRK-54).....	3,058.83	
27 29 00 00-1014	EA		10 outlets 8' cord 3570 joules 3 pair coax 1 line phone 1 pair ethernet isolated filter banks. Metal case. Holds 6 transformers. (Tripp Lite HT10DBS).....	272.05	
27 29 00 00-1015	EA		12 outlets 10' cord 5700 joules 3 pair coax 1 line phone 1 ethernet. Premium Isobar Surge Protection for Home Theater Components. Includes digital IR remote. (Tripp Lite HT1210SOCTR).....	934.98	
27 29 00 00-1016	EA		Home Theater Surge 12 outlet 3coax Tel/DSL/Ethernet 2880 Joules (Tripp Lite HT1210SAT3).....	151.66	
27 29 00 00-1017	EA		7 outlets 6' cord 1680 joules 2 pair coax 1 line phone Holds 4 transformers. (Tripp Lite HT706TSAT).....	69.58	
27 29 00 00-1018	EA		7 outlets 6' cord 1080 joules 1 pair coax Holds 4 transformers. (Tripp Lite HT706TV).....	62.54	
27 29 00 00-1019	EA		8 outlets 10' cord 5700 joules 3 pair coax 1 line phone Premium Isobar Surge Protection for Home Theater Components. (Tripp Lite HT810SOCTR).....	484.69	
27 29 00 00-1020	EA		Standby UPS System.1-line multi-device modem/fax protection. Coax protection. USB port/software/cabling. 12 outlets (6 UPS/surge, 6 surge only) (Tripp Lite HT850UPS).....	457.33	
27 29 00 00-1021	EA		Protect It! Surge 6 Swivel Outlets Direct Plug 1200 Joules Coax + TEL (Tripp Lite HTSWIVEL6).....	59.41	
27 29 00 00-1022	EA		4 OUTLETS 6' CORD 330 JOULES Isobar Ultra Surge Suppressor 220/240V US 5-15R Receptacles (Tripp Lite IB4-6/220).....	154.51	
27 29 00 00-1023	EA		12 outlets 15' cord 1280 joules Isobar Surge Suppressor with Locking Plug 20 -Amperes (Tripp Lite IBAR12-20T).....	447.17	
27 29 00 00-1024	EA		2 OUTLETS 6' CORD 600 JOULES Isobar Ultra Surge Suppressor (Tripp Lite IBAR2-6D).....	93.03	
27 29 00 00-1025	EA		4 OUTLETS 6' CORD 2200 JOULES Isobar Ultra Surge Suppressor (Tripp Lite IBAR4-6D).....	125.08	
27 29 00 00-1026	EA		Premium Surge Suppressor. 15 ft. cord. 1 isolated filter bank. Diagnostics. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite IBAR6 HG).....	257.98	
27 29 00 00-1027	EA		6 OUTLETS 6' CORD 2350 JOULES Isobar Ultra Surge Suppressor (Tripp Lite IBAR6-6D).....	150.10	
27 29 00 00-1028	EA		8 OUTLETS 12' CORD 2350 JOULES Isobar Ultra Surge Suppressor with 9ft. Remote On/Off Switch (Tripp Lite IBAR8-15RM).....	218.89	
27 29 00 00-1029	EA		2 OUTLETS Direct Plug-In 600 JOULES Isobar Ultra Surge Suppressor with diagnostic LED (Tripp Lite IBLOK2-0).....	73.49	
27 29 00 00-1030	EA		12 outlets 15' cord 1280 joules Isobar Surge Suppressor 15-Amperes (Tripp Lite IBR12).....	343.97	
27 29 00 00-1031	EA		Mini Optical Mouse. Retractable cable extends up to 31 inches. (Tripp Lite IN3000WI).....	46.91	
27 29 00 00-1032	EA		Multimedia Keyboard. Includes 12 customized hot keys. (Tripp Lite IN3005KB).....	53.94	
27 29 00 00-1033	EA		Notebook Ultra-Slim Premier Office Keyboard with USB and Internet Hot Keys. (Tripp Lite IN3007KB).....	61.76	
27 29 00 00-1034	EA		Notebook Ultra-Slim Compact Flexible Keyboard with USB, PS2 and 106 Keys. (Tripp Lite IN3008KB).....	61.76	
27 29 00 00-1035	EA		Notebook Wireless Multimedia Flexible Keyboard with USB and Internet Hot Keys. (Tripp Lite IN3010KB).....	153.22	
27 29 00 00-1036	EA		350VA UPS System Compact Low Profile Standby Serial Port 120V 6 Outlet - 350 VA 1 DB9, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET350SER).....	160.07	
27 29 00 00-1037	EA		350VA UPS System Compact Low Profile Standby USB 120V 8 Outlet - 350 VA1 USB, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET350U).....	151.27	
27 29 00 00-1038	EA		550VA UPS System Compact Low Profile Standby Serial Port 120V 8 Outlet - 550 VA 1 DB9, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET550SER).....	204.04	
27 29 00 00-1039	EA		550VA UPS System Compact Low Profile Standby USB 120V 8 Outlet - 550 VA1 USB, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET550U).....	204.04	
27 29 00 00-1040	EA		560VA UPS System Compact Low Profile Standby USB 120V 8 Outlet - 600 VA 1 USB, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET600U).....	211.08	
27 29 00 00-1041	EA		750VA UPS System Compact Low Profile Standby USB 120V 8 Outlet - 750 VA1 USB, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET750U).....	290.23	
27 29 00 00-1042	EA		900VA UPS System Compact Low Profile Standby USB 120V 12 Outlet - 900 VA 1 USB, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET900U).....	327.17	
27 29 00 00-1043	EA		300VA UPS System Ultra Compact Low Profile Standby 120V 6 Outlet - 300 VA, Modem/Fax Protection (Tripp Lite INTRNT OFFC300).....	216.35	
27 29 00 00-1044	EA		500VA UPS System Ultra Compact Low Profile Standby 120V 6 Outlet - 500 VA1 USB, 2 Line Multi Device Modem/Fax Protection (Tripp Lite INTRNT OFFC500R).....	355.31	
27 29 00 00-1045	EA		Tripp Lite 700VA UPS Battery Backup Tower 120V USB RJ45 (Tripp Lite INTRNT OFFC700R).....	390.49	
27 29 00 00-1046	EA		1000 Watt FULL ISOLATION. Transformer With Faraday Shield, 4 Outlets. (Tripp Lite IS-1000).....	861.89	
27 29 00 00-1047	EA		1000 Watt FULL ISOLATION. Transformer with Faraday shield. UL 60601-1 Listed. 4 hospital-grade outlets and hospital-grade plug. (Tripp Lite IS1000HG).....	1,321.17	
27 29 00 00-1048	EA		1800 Watt FULL ISOLATION. Transformer with Faraday shield. UL 60601-1 Listed. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite IS1800HG).....	2,071.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1049 EA 250 Watt FULL ISOLATION. Transformer With Faraday Shield, 2 Outlets. (Tripp Lite IS-250).....	348.27	
27 29 00 00-1050 EA 250 Watt FULL ISOLATION. Transformer with Faraday shield. UL 60601-1 Listed. 2 hospital-grade outlets and hospital-grade plug. (Tripp Lite IS250HG).....	629.32	
27 29 00 00-1051 EA 500 Watt FULL ISOLATION. Transformer With Faraday Shield, 4 Outlets. (Tripp Lite IS-500).....	552.31	
27 29 00 00-1052 EA 500 Watt FULL ISOLATION. Transformer with Faraday shield. UL 60601-1 Listed. 4 hospital-grade outlets and hospital-grade plug. (Tripp Lite IS500HG).....	875.57	
27 29 00 00-1053 EA 12 outlets 15' cord 1280 joules Isobar Ultra Surge Suppressor 15-Amperes (Tripp Lite ISOBAR12 ULTRA).....	331.47	
27 29 00 00-1054 EA 12 outlets 15' cord 1280 joules Isobar Ultra Surge Suppressor 20 -Amperes (Tripp Lite ISOBAR12/20 UL).....	375.24	
27 29 00 00-1055 EA 4 OUTLETS 6' CORD 2200 JOULES Isobar Ultra Surge Suppressor with diagnostic LED'S (Tripp Lite ISOBAR4 ULTRA).....	137.59	
27 29 00 00-1056 EA 6 OUTLETS 6' CORD 2350 JOULES Isobar Ultra Surge Suppressor with diagnostic LED'S (Tripp Lite ISOBAR6 ULTRA).....	156.35	
27 29 00 00-1057 EA 6 OUTLETS 6' CORD 2850 JOULES Isobar Ultra Surge Suppressor with 2 line Coax, Modem/Fax Protection and diagnostic LED'S (Tripp Lite ISOBAR6DBS).....	186.06	
27 29 00 00-1058 EA 8 OUTLETS 12' CORD 2350 JOULES Isobar Ultra Surge Suppressor with diagnostic LED'S (Tripp Lite ISOBAR8 ULTRA).....	179.80	
27 29 00 00-1059 EA Isobar Ultra Surge With Fax/Modem 8 outlets 25' Cord 2350 Joules (Tripp Lite ISOBAR825ULTRA).....	206.38	
27 29 00 00-1060 EA 4 OUTLETS 6' CORD 2700 JOULES Isobar Ultra Surge Suppressor with Modem/Fax Protection (Tripp Lite ISOTEL).....	156.35	
27 29 00 00-1061 EA 4 OUTLETS 6' CORD 2700 JOULES Isobar Ultra Surge Suppressor with Modem/Fax Protection and diagnostic LED'S (Tripp Lite ISOTEL4 ULTRA).....	169.64	
27 29 00 00-1062 EA 6 OUTLETS 6' CORD 2850 JOULES Isobar Ultra Surge Suppressor with 2 line Modem/Fax Protection and diagnostic LED'S (Tripp Lite ISOTEL6 ULTRA).....	186.06	
27 29 00 00-1063 EA 8 OUTLETS 12' CORD 2850 JOULES Isobar Ultra Surge Suppressor with Modem/Fax Protection and diagnostic LED'S (Tripp Lite ISOTEL8 ULTRA).....	207.95	
27 29 00 00-1064 EA 1200 Watt ISOBAR® Protection, High/Low Voltage Correction, 4 Outlets. (Tripp Lite LC1200).....	341.24	
27 29 00 00-1065 EA 1,800 Watt ISOBAR® Protection, High/Low Voltage Correction, 7 LED Readout, 6 Outlets. (Tripp Lite LC1800).....	506.58	
27 29 00 00-1066 EA 2400 Watt ISOBAR® Protection, High/Low Voltage Correction, 7 LED Readout, 6 Outlets. (Tripp Lite LC2400).....	685.99	
27 29 00 00-1067 EA 2,400 Watt Rackmount, 3U, ISOBAR® Protection, High/Low Voltage Correction, 5 LED Readout, 14 Outlets. (Tripp Lite LCR2400).....	928.73	
27 29 00 00-1068 EA 1,000 Watt, 230 Volt, 50/60 Hertz, 4 NEMA 5-15R Outlets, 1 Universal Outlet Adapter (Tripp Lite LR1000).....	404.56	
27 29 00 00-1069 EA 2,000 Watt, 230 Volt, 50/60 Hertz, 2 NEMA 5-15R, 2 NEMA 6-15R And 2 IEC-320 Outlets, 1 Universal Outlet Adapter (Tripp Lite LR2000).....	752.83	
27 29 00 00-1070 EA 600 Watt, 230 Volt, 50/60 Hertz, 3 IEC-320 Outlets (Tripp Lite LR604).....	306.06	
27 29 00 00-1071 EA 600 Watt, Wallmount, High/Low Voltage Correction, 4 Outlets. (Tripp Lite LS604WM).....	323.65	
27 29 00 00-1072 EA 600 Watt, High/Low Voltage Correction, 6 Outlets (Tripp Lite LS606M).....	246.25	
27 29 00 00-1073 EA UPS / PC Communication via MODBUS RS-422/485 And RS-232 Ports (Tripp Lite MODBUSCARD).....	781.76	
27 29 00 00-1074 EA 6 OUTLETS 10' CORD 1790 JOULES Isobar Ultra Under Monitor Surge Suppressor with Modem/Fax Protection (Tripp Lite MT-6PLUS).....	235.90	
27 29 00 00-1075 EA 1' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-001-BL).....	5.92	
27 29 00 00-1076 EA 1' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Yellow (Tripp Lite N001-001-YW).....	5.92	
27 29 00 00-1077 EA 2' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-002-BL).....	6.47	
27 29 00 00-1078 EA 3' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-003-BK).....	7.54	
27 29 00 00-1079 EA 3' Category 5E 350MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N001-003-BL).....	7.54	
27 29 00 00-1080 EA 3' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-003-GN).....	7.54	
27 29 00 00-1081 EA 3' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-003-GY).....	7.54	
27 29 00 00-1082 EA 3' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-003-RD).....	7.54	
27 29 00 00-1083 EA 3' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M White (Tripp Lite N001-003-WH).....	7.54	
27 29 00 00-1084 EA 3' Category 5E 350MHz Yellow Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-003-YW).....	7.54	
27 29 00 00-1085 EA 4' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-004-BL).....	7.54	
27 29 00 00-1086 EA 5' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-005-BK).....	8.89	
27 29 00 00-1087 EA 5' Category 5E 350MHz Blue Snagless Molded Patch Cable RJ45 (Tripp Lite N001-005-BL).....	8.89	
27 29 00 00-1088 EA 5' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-005-GN).....	8.89	
27 29 00 00-1089 EA 5' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-005-GY).....	8.89	
27 29 00 00-1090 EA 5' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-005-RD).....	8.89	
27 29 00 00-1091 EA 5' Category 5E 350MHz Yellow Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-005-YW).....	8.89	
27 29 00 00-1092 EA 6' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-006-BK).....	10.24	
27 29 00 00-1093 EA 6' Category 5E 350MHz Blue Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-006-BL).....	10.24	
27 29 00 00-1094 EA 6' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Gray (Tripp Lite N001-006-GY).....	10.24	
27 29 00 00-1095 EA 6' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Yellow (Tripp Lite N001-006-YW).....	10.24	
27 29 00 00-1096 EA 7' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-007-BK).....	10.51	
27 29 00 00-1097 EA 7' Category 5E 350MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N001-007-BL).....	10.51	
27 29 00 00-1098 EA 7' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-007-GN).....	10.51	
27 29 00 00-1099 EA 7' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-007-GY).....	10.51	
27 29 00 00-1100 EA 7' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-007-GY-R).....	7.54	
27 29 00 00-1101 EA 7' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Orange (Tripp Lite N001-007-OR).....	10.51	
27 29 00 00-1102 EA 7' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-007-RD).....	10.51	
27 29 00 00-1103 EA 7' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M White (Tripp Lite N001-007-WH).....	10.51	
27 29 00 00-1104 EA 7' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-007-YW).....	10.51	
27 29 00 00-1105 EA 8' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-008-BL).....	11.32	
27 29 00 00-1106 EA 10' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-010-BK).....	12.39	
27 29 00 00-1107 EA 10' Category 5E 350MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N001-010-BL).....	12.39	
27 29 00 00-1108 EA 10' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-010-GN).....	12.39	
27 29 00 00-1109 EA 10' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-010-GY).....	12.39	
27 29 00 00-1110 EA 10' Category 5E/5 350MHz Snagless Patch Cbl RJ45 M/M Orange (Tripp Lite N001-010-OR).....	12.39	
27 29 00 00-1111 EA 10' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M White (Tripp Lite N001-010-WH).....	12.39	
27 29 00 00-1112 EA 10' Category 5E 350MHz Yellow Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-010-YW).....	12.39	
27 29 00 00-1113 EA 12' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Gray (Tripp Lite N001-012-GY).....	13.21	
27 29 00 00-1114 EA 14' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-014-BK).....	14.01	
27 29 00 00-1115 EA 14' Category 5E 350MHz Blue Snagless Molded Patch Cable RJ45 (Tripp Lite N001-014-BL).....	14.01	
27 29 00 00-1116 EA 14' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-014-GN).....	14.01	
27 29 00 00-1117 EA 14' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-014-GY).....	14.01	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 29 00 00-1118	EA	14'	Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-014-GY-R).....	10.79	
27 29 00 00-1119	EA	14'	Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-014-RD).....	14.01	
27 29 00 00-1120	EA	14'	Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M White (Tripp Lite N001-014-WH).....	14.01	
27 29 00 00-1121	EA	14'	Category 5E 350MHz Yellow Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-014-YW).....	14.01	
27 29 00 00-1122	EA	15'	Category 5E 350MHz Black Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-015-BK).....	16.44	
27 29 00 00-1123	EA	15'	Category 5E 350MHz Blue Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-015-BL).....	16.44	
27 29 00 00-1124	EA	15'	Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-015-GN).....	16.44	
27 29 00 00-1125	EA	15'	Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-015-GY).....	16.44	
27 29 00 00-1126	EA	15'	Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-015-RD).....	16.44	
27 29 00 00-1127	EA	15'	Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M YLW (Tripp Lite N001-015-YW).....	16.44	
27 29 00 00-1128	EA	20'	Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-020-BL).....	21.03	
27 29 00 00-1129	EA	20'	Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-020-GN).....	21.03	
27 29 00 00-1130	EA	20'	Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Gray (Tripp Lite N001-020-GY).....	21.03	
27 29 00 00-1131	EA	25'	Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-025-BK).....	25.60	
27 29 00 00-1132	EA	25'	Category 5E 350MHz Blue Snagless Molded Patch Cable, RJ45M/M (Tripp Lite N001-025-BL).....	25.60	
27 29 00 00-1133	EA	25'	Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-025-GN).....	25.60	
27 29 00 00-1134	EA	25'	Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-025-GY).....	25.60	
27 29 00 00-1135	EA	25'	Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-025-RD).....	25.60	
27 29 00 00-1136	EA	25'	Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M White (Tripp Lite N001-025-WH).....	25.60	
27 29 00 00-1137	EA	25'	Category 5E 350MHz Yellow Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-025-YW).....	25.60	
27 29 00 00-1138	EA	30'	Category 5E 350MHz Black Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-030-BK).....	32.35	
27 29 00 00-1139	EA	30'	Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-030-BL).....	32.35	
27 29 00 00-1140	EA	30'	Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Gray (Tripp Lite N001-030-GY).....	32.35	
27 29 00 00-1141	EA	40'	Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-040-BL).....	40.44	
27 29 00 00-1142	EA	50'	Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-050-BK).....	49.06	
27 29 00 00-1143	EA	50'	Category 5E 350MHz Blue Snagless Molded Patch Cable RJ45 (Tripp Lite N001-050-BL).....	49.06	
27 29 00 00-1144	EA	50'	Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-050-GN).....	49.06	
27 29 00 00-1145	EA	50'	Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-050-GY).....	49.06	
27 29 00 00-1146	EA	50'	Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-050-RD).....	49.06	
27 29 00 00-1147	EA	50'	Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M White (Tripp Lite N001-050-WH).....	49.06	
27 29 00 00-1148	EA	50'	Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M YLW (Tripp Lite N001-050-YW).....	49.06	
27 29 00 00-1149	EA	75'	Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-075-BL).....	70.08	
27 29 00 00-1150	EA	75'	Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-075-GY).....	70.08	
27 29 00 00-1151	EA	100'	Category 5E 350MHz Black Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-100-BK).....	99.73	
27 29 00 00-1152	EA	100'	Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-100-GY).....	99.73	
27 29 00 00-1153	EA	125'	Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-125-GY).....	102.43	
27 29 00 00-1154	EA	150'	Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-150-GY).....	145.56	
27 29 00 00-1155	EA	200'	Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-200-GY).....	250.71	
27 29 00 00-1156	EA	1'	Category 5E 350MHz Black Molded Patch Cable RJ45 (Tripp Lite N002-001-BK).....	5.92	
27 29 00 00-1157	EA	1'	Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-001-BL).....	5.92	
27 29 00 00-1158	EA	1'	Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-001-GN).....	5.92	
27 29 00 00-1159	EA	1'	Category 5E 350MHz Gray Molded Patch Cable RJ45 (Tripp Lite N002-001-GY).....	5.92	
27 29 00 00-1160	EA	1'	Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-001-RD).....	5.92	
27 29 00 00-1161	EA	1'	Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-001-WH).....	5.92	
27 29 00 00-1162	EA	1'	Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-001-YW).....	5.92	
27 29 00 00-1163	EA	2'	Category 5E 350MHz Black Molded Patch Cable RJ45 (Tripp Lite N002-002-BK).....	6.20	
27 29 00 00-1164	EA	2'	Category 5E 350MHz Blue Molded Patch Cable RJ45 (Tripp Lite N002-002-BL).....	6.20	
27 29 00 00-1165	EA	2'	Category 5E 350MHz Gray Molded Patch Cable RJ45 (Tripp Lite N002-002-GY).....	6.20	
27 29 00 00-1166	EA	3'	Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-003-BK).....	6.47	
27 29 00 00-1167	EA	3'	Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-003-BL).....	6.47	
27 29 00 00-1168	EA	3'	Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-003-GN).....	6.47	
27 29 00 00-1169	EA	3'	Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-003-GY).....	6.47	
27 29 00 00-1170	EA	3'	Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-003-RD).....	6.47	
27 29 00 00-1171	EA	3'	Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-003-WH).....	6.47	
27 29 00 00-1172	EA	3'	Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-003-YW).....	6.47	
27 29 00 00-1173	EA	4'	Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-004-BK).....	7.02	
27 29 00 00-1174	EA	4'	Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-004-BL).....	7.02	
27 29 00 00-1175	EA	4'	Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-004-GY).....	7.02	
27 29 00 00-1176	EA	4'	Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-005-BK).....	7.54	
27 29 00 00-1177	EA	5'	Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-005-BL).....	7.54	
27 29 00 00-1178	EA	5'	Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-005-GN).....	7.54	
27 29 00 00-1179	EA	5'	Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-005-GY).....	7.54	
27 29 00 00-1180	EA	5'	Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-005-RD).....	7.54	
27 29 00 00-1181	EA	5'	Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-005-WH).....	7.54	
27 29 00 00-1182	EA	5'	Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-005-YW).....	7.54	
27 29 00 00-1183	EA	6'	Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-006-BK).....	8.89	
27 29 00 00-1184	EA	6'	Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-006-BL).....	8.89	
27 29 00 00-1185	EA	6'	Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-006-GY).....	8.89	
27 29 00 00-1186	EA	6'	Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-006-RD).....	8.89	
27 29 00 00-1187	EA	6'	Category 5E/5 350MHz Patch Cable RJ45 M/M White (Tripp Lite N002-006-WH).....	8.89	
27 29 00 00-1188	EA	6'	Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-006-YW).....	8.89	
27 29 00 00-1189	EA	7'	Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-007-BK).....	9.71	
27 29 00 00-1190	EA	7'	Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-007-BL).....	9.71	
27 29 00 00-1191	EA	7'	Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-007-GN).....	9.71	
27 29 00 00-1192	EA	7'	Category 5E 350MHz Gray Molded Patch Cable, RJ45M/M (Tripp Lite N002-007-GY).....	9.71	
27 29 00 00-1193	EA	7'	Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-007-RD).....	9.71	
27 29 00 00-1194	EA	7'	Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-007-WH).....	9.71	
27 29 00 00-1195	EA	7'	Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-007-YW).....	9.71	
27 29 00 00-1196	EA	10'	Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-010-BK).....	11.32	
27 29 00 00-1197	EA	10'	Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-010-BL).....	11.32	
27 29 00 00-1198	EA	10'	Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-010-GN).....	11.32	



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
27 29 00 00-1199	EA	10' Category 5E 350MHz Gray Molded Patch Cable, RJ45M/M (Tripp Lite N002-010-GY)	11.32	
27 29 00 00-1200	EA	10' Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-010-RD)	11.32	
27 29 00 00-1201	EA	10' Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-010-WH)	11.32	
27 29 00 00-1202	EA	10' Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-010-YW)	11.32	
27 29 00 00-1203	EA	12' Category 5E/5 350MHz Patch Cable RJ45 M/M Gray (Tripp Lite N002-012-GY)	12.39	
27 29 00 00-1204	EA	14' Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-014-BK)	13.21	
27 29 00 00-1205	EA	14' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-014-BL)	13.21	
27 29 00 00-1206	EA	14' Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-014-GN)	13.21	
27 29 00 00-1207	EA	14' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-014-GY)	13.21	
27 29 00 00-1208	EA	14' Category 5E 350MHz Orange Molded Patch Cable RJ45M/M (Tripp Lite N002-014-OR)	13.21	
27 29 00 00-1209	EA	14' Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-014-RD)	13.21	
27 29 00 00-1210	EA	14' Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-014-WH)	13.21	
27 29 00 00-1211	EA	14' Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-014-YW)	13.21	
27 29 00 00-1212	EA	15' Category 5E/5 350MHz Patch Cable RJ45 M/M Black (Tripp Lite N002-015-BK)	14.29	
27 29 00 00-1213	EA	15' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-015-BL)	14.29	
27 29 00 00-1214	EA	15' Category 5E/5 350MHz Patch Cable RJ45 M/M Green (Tripp Lite N002-015-GN)	14.29	
27 29 00 00-1215	EA	15' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-015-GY)	14.29	
27 29 00 00-1216	EA	15' Category 5E/5 350MHz Patch Cable RJ45 M/M Yellow (Tripp Lite N002-015-YW)	14.29	
27 29 00 00-1217	EA	20' Category 5E/5 350MHz Patch Cable RJ45 M/M Black (Tripp Lite N002-020-BK)	18.33	
27 29 00 00-1218	EA	20' Category 5E/5 350MHz Patch Cable RJ45 M/M Blue (Tripp Lite N002-020-BL)	18.33	
27 29 00 00-1219	EA	20' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-020-GY)	18.33	
27 29 00 00-1220	EA	25' Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-025-BK)	21.30	
27 29 00 00-1221	EA	25' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-025-BL)	21.30	
27 29 00 00-1222	EA	25' Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-025-GN)	21.30	
27 29 00 00-1223	EA	25' Category 5E 350MHz Gray Molded Patch Cable, RJ45M/M (Tripp Lite N002-025-GY)	21.30	
27 29 00 00-1224	EA	25' Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-025-RD)	21.30	
27 29 00 00-1225	EA	25' Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-025-WH)	21.30	
27 29 00 00-1226	EA	25' Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-025-YW)	21.30	
27 29 00 00-1227	EA	30' Category 5E/5 350MHz Patch Cable RJ45 M/M Blue (Tripp Lite N002-030-BL)	24.25	
27 29 00 00-1228	EA	50' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-050-BK)	37.74	
27 29 00 00-1229	EA	50' Category 5E/5 350MHz Patch Cable RJ45 M/M Blue (Tripp Lite N002-050-BL)	37.74	
27 29 00 00-1230	EA	50' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-050-GY)	37.74	
27 29 00 00-1231	EA	50' Category 5E/5 350MHz Patch Cable RJ45 M/M Yellow (Tripp Lite N002-050-YW)	37.74	
27 29 00 00-1232	EA	75' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-075-GY)	63.09	
27 29 00 00-1233	EA	100' Category 5E/5 350MHz Patch Cable RJ45 M/M Black (Tripp Lite N002-100-BK)	76.55	
27 29 00 00-1234	EA	100' Category 5E 350MHz Blue Molded Patch Cable RJ45 (Tripp Lite N002-100-BL)	76.55	
27 29 00 00-1235	EA	100' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-100-GY)	76.55	
27 29 00 00-1236	EA	25' Category 5E 350MHz Molded Gray Outdoor Rated Patch Cable RJ45M/M (Tripp Lite N007-025-GY)	204.88	
27 29 00 00-1237	EA	100' Category 5E 350MHz Molded Gray Outdoor Rated Patch Cable RJ45M/M (Tripp Lite N007-100-GY)	215.65	
27 29 00 00-1238	EA	150' Category 5E 350MHz Gray Outdoor-Rated Patch Cbl RJ45M/M (Tripp Lite N007-150-GY)	296.52	
27 29 00 00-1239	EA	200' Category 5E 350MHz Molded Gray Outdoor Rated Patch Cable RJ45 (Tripp Lite N007-200-GY)	862.63	
27 29 00 00-1240	EA	4' Category 5E Retractable Patch Cable RJ45M/M (Tripp Lite N009-004-R)	37.74	
27 29 00 00-1241	EA	7' Category 5E 350MHz Gray Cross-over Molded Cable RJ45M/M (Tripp Lite N010-007-GY)	9.97	
27 29 00 00-1242	EA	10' Category 5E 350MHz Gray Cross-over Molded Cable RJ45M/M (Tripp Lite N010-010-GY)	11.59	
27 29 00 00-1243	EA	10' Category 5E 350MHz Molded Cross-over Cable (RJ45 M/M) Yellow (Tripp Lite N010-010-YW)	11.59	
27 29 00 00-1244	EA	25' Category 5E 350MHz Molded Cross-over Cable (RJ45 M/M) Yellow (Tripp Lite N010-025-YW)	21.56	
27 29 00 00-1245	EA	25' Category 5E 350MHz Gray Cable (Tripp Lite N017-025-GY)	91.66	
27 29 00 00-1246	EA	1,000' Category 5E 350MHz Bulk Stranded Polyvinyl Chloride (PVC) Cable (Tripp Lite N020-01K-GY)	196.56	
27 29 00 00-1247	EA	1,000' Category 5E 350MHz Bulk Solid Polyvinyl Chloride (PVC) Cable (Tripp Lite N022-01K-GY)	620.01	
27 29 00 00-1248	EA	1,000' Category 5E 350MHz Bulk Solid Plenum Cable (Tripp Lite N024-01K)	1,725.27	
27 29 00 00-1249	EA	1,000' Category 5E Outdoor Rated Polyvinyl Chloride (PVC) Bulk Cable (Tripp Lite N028-01K-GY)	1,698.32	
27 29 00 00-1250	EA	Category 5E RJ45 Modular Connector, Solid - 10 Pack (Tripp Lite N030-010)	20.48	
27 29 00 00-1251	EA	100PK RJ45 Plugs Round Solid Stranded Conductor 4-pair Category 5E Cable (Tripp Lite N030-100)	118.61	
27 29 00 00-1252	EA	100PK RJ45 Plugs for Flat Solid / Stranded Conductor Cable (Tripp Lite N030-100-FL)	118.61	
27 29 00 00-1253	EA	Category 5E RJ45 Modular Connector, Stranded - 50 Pack (Tripp Lite N031-050)	51.22	
27 29 00 00-1254	EA	Category 5E Modular Coupler Straight RJ45F/F (Tripp Lite N032-001)	20.48	
27 29 00 00-1255	EA	Modular Coupler Straight RJ45F/F (Tripp Lite N033-001)	6.20	
27 29 00 00-1256	EA	4-Port Keystone Faceplate for Category 6/5E Keystone Jacks TAA GSA (Tripp Lite N042-001-04-WH)	6.74	
27 29 00 00-1257	EA	White Keystone Faceplate; 2 Outlets (Tripp Lite N042-001-WH)	5.39	
27 29 00 00-1258	EA	Network Cable Tester (Category 5E/6, coax, Phone) RJ45(F)/RJ11(F) (Tripp Lite N044-000-R)	172.53	
27 29 00 00-1259	EA	Punch-Down Cable Installation Tool (Tripp Lite N046-000)	107.82	
27 29 00 00-1260	EA	Category 5E Wall Mount Patch Panel 568B - 12 Port (Tripp Lite N050-012)	134.80	
27 29 00 00-1261	EA	Category 5E Patch Panel 568B - 12 Port (Tripp Lite N052-012)	150.96	
27 29 00 00-1262	EA	Category 5E Patch Panel 568B - 24 Port (Tripp Lite N052-024)	199.49	
27 29 00 00-1263	EA	Category 5E Patch Panel 568B - 48 Port (Tripp Lite N052-048)	377.39	
27 29 00 00-1264	EA	Category 5E Feedthrough Patch Panel, 1U - 24 Port (Tripp Lite N054-024)	943.51	
27 29 00 00-1265	EA	Hinged Wall Mount Patch Panel Bracket - 2U (Tripp Lite N060-002)	161.75	
27 29 00 00-1266	EA	Hinged Wall Mount Patch Panel Bracket - 4U (Tripp Lite N060-004)	204.88	
27 29 00 00-1267	EA	7' Category 5E 350MHz Gray Molded Shielded Patch Cable, RJ45M/M (Tripp Lite N105-007-GY)	20.48	
27 29 00 00-1268	EA	10' Category 5E 350MHz Gray Molded Shielded Patch Cable, RJ45M/M (Tripp Lite N105-010-GY)	24.25	
27 29 00 00-1269	EA	25' Category 5E 350MHz Gray Molded Shielded Patch Cable, RJ45M/M (Tripp Lite N105-025-GY)	44.76	
27 29 00 00-1270	EA	50' Category 5E 350MHz Gray Molded Shielded Patch Cable, RJ45M/M (Tripp Lite N105-050-GY)	73.33	
27 29 00 00-1271	EA	100' Category 5E 350MHz Molded Gray Shielded Patch Cable RJ45M/M (Tripp Lite N105-100-GY)	134.80	
27 29 00 00-1272	EA	7' Category 6 Gigabit Molded Gray Shielded Patch Cable RJ45M/M (Tripp Lite N125-007-GY)	27.77	
27 29 00 00-1273	EA	10' Category 6 Gigabit Molded Gray Shielded Patch Cable RJ45M/M (Tripp Lite N125-010-GY)	35.04	
27 29 00 00-1274	EA	25' Category 6 Gigabit Molded Gray Shielded Patch Cable RJ45M/M (Tripp Lite N125-025-GY)	72.78	
27 29 00 00-1275	EA	50' Category 6 Gigabit Molded Gray Shielded Patch Cable RJ45M/M (Tripp Lite N125-050-GY)	118.61	
27 29 00 00-1276	EA	50' Category 3 25-Pair Telco Cable, RJ21 M to Open End (Tripp Lite N154-050-C3)	231.83	
27 29 00 00-1277	EA	1' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-001-BK)	9.71	
27 29 00 00-1278	EA	1' Category 6 Gigabit Blue Snagless Patch Cable RJ45 (Tripp Lite N201-001-BL)	9.71	
27 29 00 00-1279	EA	1' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-001-GY)	9.71	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 29 00 00-1280	EA	1' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-001-RD)	9.71	
27 29 00 00-1281	EA	1' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-001-WH)	9.71	
27 29 00 00-1282	EA	1' Category 6 Gig Snagless Molded Patch Cable RJ45 M/M Yellow (Tripp Lite N201-001-YW)	9.71	
27 29 00 00-1283	EA	2' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-002-BK)	10.79	
27 29 00 00-1284	EA	2' Category 6 Gigabit Blue Snagless Patch Cable (Tripp Lite N201-002-BL)	10.79	
27 29 00 00-1285	EA	2' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-002-GY)	10.79	
27 29 00 00-1286	EA	2' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-002-RD)	10.79	
27 29 00 00-1287	EA	2' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-002-WH)	10.79	
27 29 00 00-1288	EA	2' Category 6 Gig Snagless Molded Patch Cable RJ45 M/M Yellow (Tripp Lite N201-002-YW)	10.79	
27 29 00 00-1289	EA	3' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-003-BK)	12.14	
27 29 00 00-1290	EA	3' Category 6 550MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N201-003-BL)	12.14	
27 29 00 00-1291	EA	3' Category 6 Gigabit Green Snagless Patch Cable RJ45 (Tripp Lite N201-003-GN)	12.14	
27 29 00 00-1292	EA	3' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-003-GY)	12.14	
27 29 00 00-1293	EA	3' Category 6 Gigabit Orange Snagless Patch Cable RJ45 (Tripp Lite N201-003-OR)	12.14	
27 29 00 00-1294	EA	3' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Purple (Tripp Lite N201-003-PU)	12.14	
27 29 00 00-1295	EA	3' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-003-RD)	12.14	
27 29 00 00-1296	EA	3' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-003-WH)	12.14	
27 29 00 00-1297	EA	3' Category 6 Gigabit Yellow Snagless Patch Cable RJ45 (Tripp Lite N201-003-YW)	12.14	
27 29 00 00-1298	EA	4' Category 6 Gigabit Snagless Molded Patch Cable Blue (Tripp Lite N201-004-BL)	12.94	
27 29 00 00-1299	EA	4' Category 6 Gig Snagless Molded Patch Cable RJ45 M/M Yellow (Tripp Lite N201-004-YW)	12.94	
27 29 00 00-1300	EA	5' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-005-BK)	15.09	
27 29 00 00-1301	EA	5' Category 6 Gigabit Blue Snagless Patch Cable RJ45 (Tripp Lite N201-005-BL)	15.09	
27 29 00 00-1302	EA	5' Category 6 Gigabit Green Snagless Patch Cable RJ45 (Tripp Lite N201-005-GN)	15.09	
27 29 00 00-1303	EA	5' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-005-GY)	15.09	
27 29 00 00-1304	EA	5' Category 6 Gigabit Orange Snagless Patch Cable RJ45 (Tripp Lite N201-005-OR)	15.09	
27 29 00 00-1305	EA	5' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-005-RD)	15.09	
27 29 00 00-1306	EA	5' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-005-WH)	15.09	
27 29 00 00-1307	EA	5' Category 6 Gigabit Yellow Snagless Patch Cable RJ45 (Tripp Lite N201-005-YW)	15.09	
27 29 00 00-1308	EA	6' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Black (Tripp Lite N201-006-BK)	16.18	
27 29 00 00-1309	EA	6' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue (Tripp Lite N201-006-BL)	16.18	
27 29 00 00-1310	EA	6' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Green (Tripp Lite N201-006-GN)	16.18	
27 29 00 00-1311	EA	6' Category 6 Gigabit Snagless Molded Patch Cable Gray (Tripp Lite N201-006-GY)	16.18	
27 29 00 00-1312	EA	6' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Red (Tripp Lite N201-006-RD)	16.18	
27 29 00 00-1313	EA	6' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Yellow (Tripp Lite N201-006-YW)	16.18	
27 29 00 00-1314	EA	7' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-007-BK)	16.98	
27 29 00 00-1315	EA	7' Category 6 550MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N201-007-BL)	16.98	
27 29 00 00-1316	EA	7' Category 6 Gigabit Green Snagless Patch Cable RJ45 (Tripp Lite N201-007-GN)	16.98	
27 29 00 00-1317	EA	7' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-007-GY)	16.98	
27 29 00 00-1318	EA	7' Category 6 Gigabit Orange Snagless Patch Cable RJ45 (Tripp Lite N201-007-OR)	16.98	
27 29 00 00-1319	EA	7' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Purple (Tripp Lite N201-007-PU)	16.98	
27 29 00 00-1320	EA	7' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-007-RD)	16.98	
27 29 00 00-1321	EA	7' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-007-WH)	16.98	
27 29 00 00-1322	EA	7' Category 6 Gigabit Yellow Snagless Patch Cable RJ45 (Tripp Lite N201-007-YW)	16.98	
27 29 00 00-1323	EA	10' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-010-BK)	21.30	
27 29 00 00-1324	EA	10' Category 6 550MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N201-010-BL)	21.30	
27 29 00 00-1325	EA	10' Category 6 Gigabit Green Snagless Patch Cable RJ45 (Tripp Lite N201-010-GN)	21.30	
27 29 00 00-1326	EA	10' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-010-GY)	21.30	
27 29 00 00-1327	EA	10' Category 6 Gigabit Orange Snagless Patch Cable RJ45 (Tripp Lite N201-010-OR)	21.30	
27 29 00 00-1328	EA	10' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Purple (Tripp Lite N201-010-PU)	21.30	
27 29 00 00-1329	EA	10' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-010-RD)	21.30	
27 29 00 00-1330	EA	10' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-010-WH)	21.30	
27 29 00 00-1331	EA	10' Category 6 Gigabit Yellow Snagless Patch Cable RJ45 (Tripp Lite N201-010-YW)	21.30	
27 29 00 00-1332	EA	12' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue (Tripp Lite N201-012-BL)	23.18	
27 29 00 00-1333	EA	12' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Green (Tripp Lite N201-012-GN)	23.18	
27 29 00 00-1334	EA	14' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-014-BK)	26.95	
27 29 00 00-1335	EA	14' Category 6 Gigabit Blue Snagless Patch Cable RJ45 (Tripp Lite N201-014-BL)	26.95	
27 29 00 00-1336	EA	14' Category 6 Gigabit Green Snagless Patch Cable RJ45M/M (Tripp Lite N201-014-GN)	26.95	
27 29 00 00-1337	EA	14' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-014-GY)	26.95	
27 29 00 00-1338	EA	14' Category 6 Gigabit Orange Snagless Patch Cable RJ45 (Tripp Lite N201-014-OR)	26.95	
27 29 00 00-1339	EA	14' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Purple (Tripp Lite N201-014-PU)	26.95	
27 29 00 00-1340	EA	14' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-014-RD)	26.95	
27 29 00 00-1341	EA	14' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-014-WH)	26.95	
27 29 00 00-1342	EA	14' Category 6 Gigabit Yellow Snagless Patch Cable RJ45 (Tripp Lite N201-014-YW)	26.95	
27 29 00 00-1343	EA	15' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Black (Tripp Lite N201-015-BK)	26.95	
27 29 00 00-1344	EA	15' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue (Tripp Lite N201-015-BL)	26.95	
27 29 00 00-1345	EA	15' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Green (Tripp Lite N201-015-GN)	26.95	
27 29 00 00-1346	EA	15' Category 6 Gigabit Snagless Molded Patch Cable (RJ45 M/M) Gray (Tripp Lite N201-015-GY)	26.95	
27 29 00 00-1347	EA	15' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Red (Tripp Lite N201-015-RD)	26.95	
27 29 00 00-1348	EA	15' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M White (Tripp Lite N201-015-WH)	26.95	
27 29 00 00-1349	EA	15' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M YLW (Tripp Lite N201-015-YW)	26.95	
27 29 00 00-1350	EA	20' Category 6 Gigabit Black Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-BK)	32.35	
27 29 00 00-1351	EA	20' Category 6 Gigabit Blue Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-BL)	32.35	
27 29 00 00-1352	EA	20' Category 6 Gigabit Green Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-GN)	32.35	
27 29 00 00-1353	EA	20' Category 6 Gigabit Gray Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-GY)	32.35	
27 29 00 00-1354	EA	20' Category 6 Gigabit Orange Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-OR)	32.35	
27 29 00 00-1355	EA	20' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-RD)	32.35	
27 29 00 00-1356	EA	20' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-WH)	32.35	
27 29 00 00-1357	EA	20' Category 6 Gigabit Yellow Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-YW)	32.35	
27 29 00 00-1358	EA	25' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-025-BK)	37.74	
27 29 00 00-1359	EA	25' Category 6 550MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N201-025-BL)	37.74	
27 29 00 00-1360	EA	25' Category 6 Gigabit Blue Flat Snagless Patch Cable, RJ45 M/M (Tripp Lite N201-025-BL-FL)	51.22	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1361	EA			25' Category 6 Gigabit Green Snagless Patch Cable RJ45 (Tripp Lite N201-025-GN).....	37.74	
27 29 00 00-1362	EA			25' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-025-GY).....	37.74	
27 29 00 00-1363	EA			25' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-025-OR).....	37.74	
27 29 00 00-1364	EA			25' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Purple (Tripp Lite N201-025-PU).....	37.74	
27 29 00 00-1365	EA			25' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-025-RD).....	37.74	
27 29 00 00-1366	EA			25' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-025-WH).....	37.74	
27 29 00 00-1367	EA			25' Category 6 Gigabit Yellow Snagless Patch Cable RJ45 (Tripp Lite N201-025-YW).....	37.74	
27 29 00 00-1368	EA			30' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Black (Tripp Lite N201-030-BK).....	43.41	
27 29 00 00-1369	EA			30' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue (Tripp Lite N201-030-BL).....	43.41	
27 29 00 00-1370	EA			30' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Gray (Tripp Lite N201-030-GY).....	43.41	
27 29 00 00-1371	EA			35' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue (Tripp Lite N201-035-BL).....	50.15	
27 29 00 00-1372	EA			50' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Black (Tripp Lite N201-050-BK).....	70.08	
27 29 00 00-1373	EA			50' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue (Tripp Lite N201-050-BL).....	70.08	
27 29 00 00-1374	EA			50' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Green (Tripp Lite N201-050-GN).....	70.08	
27 29 00 00-1375	EA			50' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-050-GY).....	70.08	
27 29 00 00-1376	EA			50' Category 6 Gray Gigabit Plenum Snagless Patch Cable (Tripp Lite N201-050-GY-P).....	242.62	
27 29 00 00-1377	EA			50' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-050-RD).....	70.08	
27 29 00 00-1378	EA			50' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M White (Tripp Lite N201-050-WH).....	70.08	
27 29 00 00-1379	EA			50' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M YLW (Tripp Lite N201-050-YW).....	70.08	
27 29 00 00-1380	EA			75' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Gray (Tripp Lite N201-075-GY).....	102.43	
27 29 00 00-1381	EA			100' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M BLK (Tripp Lite N201-100-BK).....	140.17	
27 29 00 00-1382	EA			100' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M BLU (Tripp Lite N201-100-BL).....	140.17	
27 29 00 00-1383	EA			100' Category 6 Gray Gigabit Plenum Snagless Patch Cable (Tripp Lite N201-100-GY-P).....	485.24	
27 29 00 00-1384	EA			125' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M PRP (Tripp Lite N201-125-PU).....	167.14	
27 29 00 00-1385	EA			150' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M PRP (Tripp Lite N201-150-PU).....	204.88	
27 29 00 00-1386	EA			25' Category 6 Gigabit Solid Conductor Patch Cable (RJ45 M/M) Blue (Tripp Lite N202-025-BL).....	47.45	
27 29 00 00-1387	EA			50' Category 6 Gigabit Solid Conductor Patch Cable (RJ45 M/M) Blue (Tripp Lite N202-050-BL).....	75.48	
27 29 00 00-1388	EA			75' Category 6 Gigabit Solid Conductor Patch Cable (RJ45 M/M) Blue (Tripp Lite N202-075-BL).....	102.43	
27 29 00 00-1389	EA			100' Category 6 Gigabit Solid Conductor Patch Cable (RJ45 M/M) Blue (Tripp Lite N202-100-BL).....	145.56	
27 29 00 00-1390	EA			125' Category 6 Blue Solid Conductor 4 Pair Snagless Patch Cable (Tripp Lite N202-125-BL).....	172.53	
27 29 00 00-1391	EA			150' Category 6 Gigabit Solid Conductor Patch Cable (RJ45 M/M) Blue (Tripp Lite N202-150-BL).....	210.27	
27 29 00 00-1392	EA			175' Category 6 Gig Solid Conductor Patch Cable RJ45 M/M Blue (Tripp Lite N202-175-BL).....	237.23	
27 29 00 00-1393	EA			200' Category 6 Gigabit Solid Conductor Patch Cable (RJ45 M/M) Blue (Tripp Lite N202-200-BL).....	280.36	
27 29 00 00-1394	EA			3' Category 6 Gigabit Right Angle Down to Straight Patch Cable Blue (Tripp Lite N204-003-BL-DN).....	18.88	
27 29 00 00-1395	EA			3' Category 6 Gigabit Left Angle to Straight Patch Cable Blue (Tripp Lite N204-003-BL-LA).....	18.88	
27 29 00 00-1396	EA			3' Category 6 Gigabit Right Angle to Straight Patch Cable Blue (Tripp Lite N204-003-BL-RA).....	18.88	
27 29 00 00-1397	EA			3' Category 6 Gigabit Up Angle to Straight Patch Cable Blue (Tripp Lite N204-003-BL-UP).....	18.88	
27 29 00 00-1398	EA			5' Category 6 Gigabit Right Angle Down to Straight Patch Cable Blue (Tripp Lite N204-005-BL-DN).....	24.25	
27 29 00 00-1399	EA			5' Category 6 Gigabit Left Angle to Straight Patch Cable Blue (Tripp Lite N204-005-BL-LA).....	24.25	
27 29 00 00-1400	EA			5' Category 6 Gigabit Right Angle to Straight Patch Cable Blue (Tripp Lite N204-005-BL-RA).....	24.25	
27 29 00 00-1401	EA			5' Category 6 Gigabit Up Angle to Straight Patch Cable Blue (Tripp Lite N204-005-BL-UP).....	24.25	
27 29 00 00-1402	EA			10' Category 6 Gig Right Angle Down to Straight Patch Cable Blue (Tripp Lite N204-010-BL-DN).....	29.65	
27 29 00 00-1403	EA			10' Category 6 Gigabit Left Angle to Straight Patch Cable Blue (Tripp Lite N204-010-BL-LA).....	29.65	
27 29 00 00-1404	EA			10' Category 6 Gigabit Right Angle to Straight Patch Cable Blue (Tripp Lite N204-010-BL-RA).....	29.65	
27 29 00 00-1405	EA			10' Category 6 Gigabit Up Angle to Straight Patch Cable Blue (Tripp Lite N204-010-BL-UP).....	29.65	
27 29 00 00-1406	EA			7' Category 6 Gigabit Gray Cross-over Patch Cable RJ45M/M (Tripp Lite N210-007-GY).....	16.98	
27 29 00 00-1407	EA			10' Category 6 Gigabit Gray Cross-over Patch Cable RJ45M/M (Tripp Lite N210-010-GY).....	21.30	
27 29 00 00-1408	EA			1,000' Category 6 Gigabit Bulk Solid Blue Polyvinyl Chloride (PVC) Cable (Tripp Lite N222-01K-BL).....	997.41	
27 29 00 00-1409	EA			1,000' Category 6 Gigabit Bulk Solid Gray Polyvinyl Chloride (PVC) Cable (Tripp Lite N222-01K-GY).....	997.41	
27 29 00 00-1410	EA			1,000' Category 6 Gigabit Bulk Solid Plenum Cable (Tripp Lite N224-01K-GY).....	2,453.10	
27 29 00 00-1411	EA			100PK Category 6 RJ45 Modular Connector Plug Solid / Stranded RND (Tripp Lite N230-100).....	215.65	
27 29 00 00-1412	EA			Category 6 Straight-thru Snap-in Black Coupler - RJ45F/F (Tripp Lite N235-001).....	64.69	
27 29 00 00-1413	EA			Category 6 Straight Modular In-Line Snap-In Coupler RJ45 F/F TAA GSA (Tripp Lite N235-001-SH).....	75.48	
27 29 00 00-1414	EA			Category 6/5E Blue Wallplate Keystone Jack, Punch-Down/RJ45 F (Tripp Lite N238-001-BL).....	13.74	
27 29 00 00-1415	EA			Category 6/5E Green Wallplate Keystone Jack, Punch-Down/RJ45 F (Tripp Lite N238-001-GN).....	13.74	
27 29 00 00-1416	EA			Category 6/5E Red Wallplate Keystone Jack, Punch-Down/RJ45 F (Tripp Lite N238-001-RD).....	13.74	
27 29 00 00-1417	EA			Category 6/5E White Wallplate Keystone Jack, Punch-Down/RJ45 F (Tripp Lite N238-001-WH).....	13.74	
27 29 00 00-1418	EA			Category 6/5E 110 Style Punch Down Keystone Jack White TAA / GSA (Tripp Lite N238-001-WH-TF).....	18.88	
27 29 00 00-1419	EA			Category 6/5E Yellow Wallplate Keystone Jack, Punch-Down/RJ45 F (Tripp Lite N238-001-YW).....	13.74	
27 29 00 00-1420	EA			Category 6 Wall Mount Feedthrough Patch Panel -12 Port (Tripp Lite N250-012).....	194.09	
27 29 00 00-1421	EA			24-Port Category 6/5E Low Profile Wallmount Patch Panel 1U TAA (Tripp Lite N250-024-LP).....	1,186.13	
27 29 00 00-1422	EA			Category 6 Patch Panel 568B - 12 Port (Tripp Lite N252-012).....	188.70	
27 29 00 00-1423	EA			Category 6 Patch Panel 568B - 24 Port (Tripp Lite N252-024).....	339.66	
27 29 00 00-1424	EA			24-Port Category 6 0.5U RM Patch Panel 568A/B TAA / GSA (Tripp Lite N252-024-HU).....	620.01	
27 29 00 00-1425	EA			24-Port Category 6 Keystone Type V-Shaped Patch Panel TAA / GSA (Tripp Lite N252-024-V).....	1,186.13	
27 29 00 00-1426	EA			Category 6 Patch Panel 568B - 48 Port (Tripp Lite N252-048).....	646.96	
27 29 00 00-1427	EA			Category 6 1U Patch Panel 568B - 110 Punchdown to RJ45 Female - 48 Port (Tripp Lite N252-048-1U).....	1,186.13	
27 29 00 00-1428	EA			Category 6 Feedthrough Patch Panel, 1U - 24 Port (Tripp Lite N254-024).....	1,132.20	
27 29 00 00-1429	EA			24-Port Shielded Category 6 Feed Through Patch Panel TAA GSA (Tripp Lite N254-024-SH).....	1,428.72	
27 29 00 00-1430	EA			7' Augmented Category 6A Snagless 10G Aqua Certified Patch Cable RJ45 (Tripp Lite N261-007-AQ).....	37.74	
27 29 00 00-1431	EA			14' Augmented Category 6A Snagless 10G Aqua Certified Patch Cable RJ45 (Tripp Lite N261-014-AQ).....	70.08	
27 29 00 00-1432	EA			25' Augmented Category 6A Snagless 10G Aqua Certified Patch Cable RJ45 (Tripp Lite N261-025-AQ).....	107.82	
27 29 00 00-1433	EA			10Gbps CX4 Cable - 1M(3') (Tripp Lite N263-01M).....	485.24	
27 29 00 00-1434	EA			10Gb CX4 Cable, 2M (Tripp Lite N263-02M).....	539.14	
27 29 00 00-1435	EA			10Gbps CX4 Cable - 3M (10') (Tripp Lite N263-03M).....	593.06	
27 29 00 00-1436	EA			10Gb CX4 Cable, 5M (Tripp Lite N263-05M).....	781.76	
27 29 00 00-1437	EA			10Gbps CX4 Cable - 20' (Tripp Lite N263-20L).....	463.66	
27 29 00 00-1438	EA			T1 RJ48 Patch Cable - Straight - RJ45 M/M - 3ft (Tripp Lite N265-003).....	70.08	
27 29 00 00-1439	EA			T1 RJ48 Patch Cable - Straight - RJ45 M/M - 5ft (Tripp Lite N265-005).....	80.87	
27 29 00 00-1440	EA			T1 RJ48 Patch Cable - Straight - RJ45 M/M - 7ft (Tripp Lite N265-007).....	91.66	
27 29 00 00-1441	EA			T1 RJ48 Patch Cable - Straight - RJ45 M/M - 10ft (Tripp Lite N265-010).....	107.82	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 29 00 00-1442	EA	T1 RJ48 Patch Cable - Crossover - RJ45 M/M - 3ft (Tripp Lite N266-003).....	70.08	
27 29 00 00-1443	EA	T1 RJ48 Patch Cable - Crossover - RJ45 M/M - 5ft (Tripp Lite N266-005).....	80.87	
27 29 00 00-1444	EA	T1 RJ48 Patch Cable - Crossover - RJ45 M/M - 7ft (Tripp Lite N266-007).....	91.66	
27 29 00 00-1445	EA	T1 RJ48 Patch Cable - Crossover - RJ45 M/M - 10ft (Tripp Lite N266-010).....	107.82	
27 29 00 00-1446	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable ST/ST - 1M (3') (Tripp Lite N302-003).....	32.83	
27 29 00 00-1447	EA	Duplex Multimode 62.5/125 Fiber Patch Cable ST/ST - 6' (Tripp Lite N302-006).....	35.96	
27 29 00 00-1448	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable ST/ST - 3M (10') (Tripp Lite N302-010).....	37.52	
27 29 00 00-1449	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable ST/ST - 5M (16') (Tripp Lite N302-05M).....	46.91	
27 29 00 00-1450	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl ST/ST- 6M (20ft) (Tripp Lite N302-06M).....	43.78	
27 29 00 00-1451	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl ST/ST - 8M (25ft) (Tripp Lite N302-08M).....	56.29	
27 29 00 00-1452	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable ST/ST - 10M (33') (Tripp Lite N302-10M).....	62.54	
27 29 00 00-1453	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable ST/ST - 15M (50') (Tripp Lite N302-15M).....	75.05	
27 29 00 00-1454	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl ST/ST - 18M (60ft) (Tripp Lite N302-18M).....	78.18	
27 29 00 00-1455	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl ST/ST - 23M (75ft) (Tripp Lite N302-23M).....	93.81	
27 29 00 00-1456	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl ST/ST - 30M (100ft) (Tripp Lite N302-30M).....	125.08	
27 29 00 00-1457	EA	50M Duplex Multimode Fiber 62.5/125 Patch Cable ST/ST 164ft (Tripp Lite N302-50M).....	200.13	
27 29 00 00-1458	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 1M (3') (Tripp Lite N304-003).....	31.27	
27 29 00 00-1459	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 1.2M (4') (Tripp Lite N304-004).....	29.71	
27 29 00 00-1460	EA	Duplex Multimode 62.5/125 Fiber Patch Cable SC/ST - 6' (Tripp Lite N304-006).....	34.40	
27 29 00 00-1461	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 8M (8ft) (Tripp Lite N304-008).....	34.40	
27 29 00 00-1462	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 3M (10') (Tripp Lite N304-010).....	37.52	
27 29 00 00-1463	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 7.5M (25') (Tripp Lite N304-025).....	46.91	
27 29 00 00-1464	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 5M (16') (Tripp Lite N304-05M).....	40.65	
27 29 00 00-1465	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 6M (20') (Tripp Lite N304-06M).....	43.78	
27 29 00 00-1466	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 9M (30ft) (Tripp Lite N304-09M).....	50.03	
27 29 00 00-1467	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 10M (30ft - 33ft) (Tripp Lite N304-10M).....	53.16	
27 29 00 00-1468	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 11M (35ft) (Tripp Lite N304-11M).....	53.16	
27 29 00 00-1469	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 15M (50ft) (Tripp Lite N304-15M).....	68.79	
27 29 00 00-1470	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 23M (75ft) (Tripp Lite N304-23M).....	78.18	
27 29 00 00-1471	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 30M (100ft) (Tripp Lite N304-30M).....	90.68	
27 29 00 00-1472	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 0.3M (1') (Tripp Lite N306-001).....	31.27	
27 29 00 00-1473	EA	0.6m Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC (Tripp Lite N306-002).....	32.83	
27 29 00 00-1474	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 1M (3') (Tripp Lite N306-003).....	31.27	
27 29 00 00-1475	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 1.2M (4') (Tripp Lite N306-004).....	39.09	
27 29 00 00-1476	EA	Duplex Multimode 62.5/125 Fiber Patch Cable SC/SC - 6' (Tripp Lite N306-006).....	34.40	
27 29 00 00-1477	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 3M (10') (Tripp Lite N306-010).....	37.52	
27 29 00 00-1478	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 4M (13ft) (Tripp Lite N306-04M).....	40.65	
27 29 00 00-1479	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 5M (16') (Tripp Lite N306-05M).....	43.78	
27 29 00 00-1480	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 7M (23') (Tripp Lite N306-07M).....	50.03	
27 29 00 00-1481	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 8M (26') (Tripp Lite N306-08M).....	53.16	
27 29 00 00-1482	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 9M (30') (Tripp Lite N306-09M).....	56.29	
27 29 00 00-1483	EA	100M Duplex Multimode Fiber 62.5/125 Patch Cable SC/SC 328ft (Tripp Lite N306-100M).....	297.07	
27 29 00 00-1484	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 12M (40ft) (Tripp Lite N306-12M).....	65.67	
27 29 00 00-1485	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 15M (50ft) (Tripp Lite N306-15M).....	78.18	
27 29 00 00-1486	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 23M (75ft) (Tripp Lite N306-23M).....	93.81	
27 29 00 00-1487	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 25M (80ft) (Tripp Lite N306-25M).....	103.19	
27 29 00 00-1488	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 30M (100ft) (Tripp Lite N306-30M).....	115.70	
27 29 00 00-1489	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 46M (150ft) (Tripp Lite N306-46M).....	140.72	
27 29 00 00-1490	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 60M (200ft) (Tripp Lite N306-60M).....	197.00	
27 29 00 00-1491	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/ST - 1M (3') (Tripp Lite N308-003).....	31.27	
27 29 00 00-1492	EA	Duplex Multimode 62.5/125 Fiber Patch Cable MTRJ/ST - 6' (Tripp Lite N308-006).....	34.40	
27 29 00 00-1493	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/ST - 3M (10') (Tripp Lite N308-010).....	37.52	
27 29 00 00-1494	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/ST - 5M (16') (Tripp Lite N308-05M).....	40.65	
27 29 00 00-1495	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/ST - 8M (25ft) (Tripp Lite N308-08M).....	46.91	
27 29 00 00-1496	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/ST - 15M (50ft) (Tripp Lite N308-15M).....	62.54	
27 29 00 00-1497	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/SC - 1M (3') (Tripp Lite N310-003).....	37.52	
27 29 00 00-1498	EA	Duplex Multimode 62.5/125 Fiber Patch Cable MTRJ/SC - 6' (Tripp Lite N310-006).....	37.52	
27 29 00 00-1499	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/SC - 3M (10') (Tripp Lite N310-010).....	40.65	
27 29 00 00-1500	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/SC - 5M (16') (Tripp Lite N310-05M).....	43.78	
27 29 00 00-1501	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/SC - 8M (25ft) (Tripp Lite N310-08M).....	46.91	
27 29 00 00-1502	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/SC - 11M (35ft) (Tripp Lite N310-11M).....	53.16	
27 29 00 00-1503	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/ST - 15M (50') (Tripp Lite N310-15M).....	65.67	
27 29 00 00-1504	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/SC - 30M (100ft) (Tripp Lite N310-30M).....	90.68	
27 29 00 00-1505	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/MTRJ - 1M (3') (Tripp Lite N312-01M).....	34.40	
27 29 00 00-1506	EA	Duplex Multimode 62.5/125 Fiber Patch Cable MTRJ/MTRJ - 2M (Tripp Lite N312-02M).....	37.52	
27 29 00 00-1507	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/MTRJ - 3M (10') (Tripp Lite N312-03M).....	40.65	
27 29 00 00-1508	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/MTRJ - 5M (15') (Tripp Lite N312-05M).....	43.78	
27 29 00 00-1509	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/LC - 1M (3') (Tripp Lite N314-01M).....	50.03	
27 29 00 00-1510	EA	Duplex Multimode 62.5/125 Fiber Patch Cable MTRJ/LC - 2M (Tripp Lite N314-02M).....	53.16	
27 29 00 00-1511	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/LC - 3M (10') (Tripp Lite N314-03M).....	56.29	
27 29 00 00-1512	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/LC - 5M (16') (Tripp Lite N314-05M).....	62.54	
27 29 00 00-1513	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/LC - 9M (30ft) (Tripp Lite N314-09M).....	65.67	
27 29 00 00-1514	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/LC - 15M (50ft) (Tripp Lite N314-15M).....	81.30	
27 29 00 00-1515	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 1M (3') (Tripp Lite N316-01M).....	43.78	
27 29 00 00-1516	EA	Duplex Multimode 62.5/125 Fiber Patch Cable LC/SC - 2M (Tripp Lite N316-02M).....	46.91	
27 29 00 00-1517	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 3M (10') (Tripp Lite N316-03M).....	50.03	
27 29 00 00-1518	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 4M (13') (Tripp Lite N316-04M).....	53.16	
27 29 00 00-1519	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 5M (15') (Tripp Lite N316-05M).....	56.29	
27 29 00 00-1520	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 6M (20') (Tripp Lite N316-06M).....	59.41	
27 29 00 00-1521	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 7M (23') (Tripp Lite N316-07M).....	62.54	
27 29 00 00-1522	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 10M (33') (Tripp Lite N316-10M).....	68.79	



		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1523	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 13M (40') (Tripp Lite N316-13M).....	78.18	
27 29 00 00-1524	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 15M (50') (Tripp Lite N316-15M).....	87.56	
27 29 00 00-1525	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 20M (65') (Tripp Lite N316-20M).....	96.94	
27 29 00 00-1526	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl LC/SC - 21M (70ft) (Tripp Lite N316-21M).....	103.19	
27 29 00 00-1527	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl LC/SC - 25M (80ft) (Tripp Lite N316-25M).....	109.45	
27 29 00 00-1528	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl LC/SC - 30M (100ft) (Tripp Lite N316-30M).....	115.70	
27 29 00 00-1529	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl LC/SC - 76M (250ft) (Tripp Lite N316-76M).....	187.62	
27 29 00 00-1530	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/ST - 1M (3') (Tripp Lite N318-01M).....	46.91	
27 29 00 00-1531	EA	Duplex Multimode 62.5/125 Fiber Patch Cable LC/ST - 2M (Tripp Lite N318-02M).....	51.60	
27 29 00 00-1532	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/ST - 3M (10') (Tripp Lite N318-03M).....	53.16	
27 29 00 00-1533	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/ST - 5M (15') (Tripp Lite N318-05M).....	56.29	
27 29 00 00-1534	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 6M (Tripp Lite N318-06M).....	59.41	
27 29 00 00-1535	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/ST - 7M (23') (Tripp Lite N318-07M).....	62.54	
27 29 00 00-1536	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 8M (25ft) (Tripp Lite N318-08M).....	65.67	
27 29 00 00-1537	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 9M (30ft) (Tripp Lite N318-09M).....	68.79	
27 29 00 00-1538	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/ST - 10M (33') (Tripp Lite N318-10M).....	75.05	
27 29 00 00-1539	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 15M (50ft) (Tripp Lite N318-15M).....	87.56	
27 29 00 00-1540	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 20M (65ft) (Tripp Lite N318-20M).....	96.94	
27 29 00 00-1541	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 30M (100ft) (Tripp Lite N318-30M).....	112.57	
27 29 00 00-1542	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 1' (Tripp Lite N320-001).....	51.60	
27 29 00 00-1543	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 1M (3') (Tripp Lite N320-01M).....	53.16	
27 29 00 00-1544	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 1M (3') (Tripp Lite N320-01M-RD).....	53.16	
27 29 00 00-1545	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 2M (6') (Tripp Lite N320-02M).....	56.29	
27 29 00 00-1546	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 2M (6') (Tripp Lite N320-02M-RD).....	56.29	
27 29 00 00-1547	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 3M (10') (Tripp Lite N320-03M).....	59.41	
27 29 00 00-1548	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 3M (10') (Tripp Lite N320-03M-RD).....	59.41	
27 29 00 00-1549	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 4M (13') (Tripp Lite N320-04M).....	62.54	
27 29 00 00-1550	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 5M (16') (Tripp Lite N320-05M).....	62.54	
27 29 00 00-1551	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 5M (16') (Tripp Lite N320-05M-RD).....	62.54	
27 29 00 00-1552	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 6M (20') (Tripp Lite N320-06M).....	68.79	
27 29 00 00-1553	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 7M (23') (Tripp Lite N320-07M).....	71.92	
27 29 00 00-1554	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 10M (33') (Tripp Lite N320-10M).....	78.18	
27 29 00 00-1555	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 10M (33') (Tripp Lite N320-10M-RD).....	75.05	
27 29 00 00-1556	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 15M (16') (Tripp Lite N320-15M).....	90.68	
27 29 00 00-1557	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 15M (50') (Tripp Lite N320-15M-RD).....	84.43	
27 29 00 00-1558	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 20M (65') (Tripp Lite N320-20M).....	106.32	
27 29 00 00-1559	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 20 (65') (Tripp Lite N320-20M-RD).....	100.07	
27 29 00 00-1560	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 21M (70') (Tripp Lite N320-21M).....	96.94	
27 29 00 00-1561	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 25M (80') (Tripp Lite N320-25M).....	118.83	
27 29 00 00-1562	EA	30M Duplex MMF 62.5/125 Patch Cable (LC/LC) 100ft (Tripp Lite N320-30M).....	137.59	
27 29 00 00-1563	EA	405ft Duplex Multimode Fiber 62.5/125 Patch Cable LC/LC 405' (Tripp Lite N320-405).....	469.06	
27 29 00 00-1564	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 46M (150') (Tripp Lite N320-46M).....	146.97	
27 29 00 00-1565	EA	61M Duplex Multimode Fiber 62.5/125 Patch Cable LC/LC 200ft (Tripp Lite N320-61M).....	444.04	
27 29 00 00-1566	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl ST/ST - 1M (3ft) (Tripp Lite N352-01M).....	53.16	
27 29 00 00-1567	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable ST/ST - 2M (6') (Tripp Lite N352-02M).....	56.29	
27 29 00 00-1568	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl ST/ST - 3M (10ft) (Tripp Lite N352-03M).....	59.41	
27 29 00 00-1569	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl ST/ST - 5M (15ft) (Tripp Lite N352-05M).....	65.67	
27 29 00 00-1570	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl ST/ST - 9M (30ft) (Tripp Lite N352-09M).....	68.79	
27 29 00 00-1571	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl ST/ST - 15M (50ft) (Tripp Lite N352-15M).....	84.43	
27 29 00 00-1572	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/ST - 1M (3') (Tripp Lite N354-01M).....	59.41	
27 29 00 00-1573	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/ST - 2M (6') (Tripp Lite N354-02M).....	62.54	
27 29 00 00-1574	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/ST - 3M (10') (Tripp Lite N354-03M).....	65.67	
27 29 00 00-1575	EA	Duplex Singlemode 8.3/125 Fiber Patch Cable SC/ST - 5M (Tripp Lite N354-05M).....	71.92	
27 29 00 00-1576	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/ST - 9M (30ft) (Tripp Lite N354-09M).....	81.30	
27 29 00 00-1577	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/ST - 15M (50ft) (Tripp Lite N354-15M).....	93.81	
27 29 00 00-1578	EA	Duplex Singlemode 8.3/125 Fiber Patch Cable SC/SC - 1M (Tripp Lite N356-01M).....	65.67	
27 29 00 00-1579	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/SC - 2M (6') (Tripp Lite N356-02M).....	68.79	
27 29 00 00-1580	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/SC - 3M (10') (Tripp Lite N356-03M).....	71.92	
27 29 00 00-1581	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/SC - 5M (15ft) (Tripp Lite N356-05M).....	78.18	
27 29 00 00-1582	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/SC - 6M (20ft) (Tripp Lite N356-06M).....	78.18	
27 29 00 00-1583	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/SC - 9M (30 ft.) (Tripp Lite N356-09M).....	87.56	
27 29 00 00-1584	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/SC - 10M (Tripp Lite N356-10M).....	87.56	
27 29 00 00-1585	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/SC - 15M (50ft) (Tripp Lite N356-15M).....	100.07	
27 29 00 00-1586	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/SC - 30M (100ft) (Tripp Lite N356-30M).....	131.34	
27 29 00 00-1587	EA	Duplex Singlemode 8.3/125 Fiber Patch Cable LC/SC - 1M (Tripp Lite N366-01M).....	62.54	
27 29 00 00-1588	EA	Duplex Singlemode 8.3/125 Angle Polished Fiber Optic Patch Cable - 1m (3ft) (Tripp Lite N366-01M-AP).....	103.19	
27 29 00 00-1589	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/SC - 2M (6') (Tripp Lite N366-02M).....	62.54	
27 29 00 00-1590	EA	Duplex Singlemode Fiber Patch Cable 8.3/125 LC to SC - APC 6ft (Tripp Lite N366-02M-AP).....	107.88	
27 29 00 00-1591	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl LC/SC - 3M (10ft) (Tripp Lite N366-03M).....	65.67	
27 29 00 00-1592	EA	Duplex Singlemode 8.3/125 Angle Polished Fiber Optic Patch Cable - 3m (10ft) (Tripp Lite N366-03M-AP).....	112.57	
27 29 00 00-1593	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/SC - 5M (16') (Tripp Lite N366-05M).....	75.05	
27 29 00 00-1594	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/SC - 10M (33') (Tripp Lite N366-10M).....	84.43	
27 29 00 00-1595	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl LC/SC - 15M (50ft) (Tripp Lite N366-15M).....	93.81	
27 29 00 00-1596	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/SC - 25M (80') (Tripp Lite N366-25M).....	109.45	
27 29 00 00-1597	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 1M (3') (Tripp Lite N368-01M).....	100.07	
27 29 00 00-1598	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 2M (6') (Tripp Lite N368-02M).....	103.19	
27 29 00 00-1599	EA	3M Duplex Singlemode 8.3/125 Patch Cable LC/ST 10ft (Tripp Lite N368-03M).....	106.32	
27 29 00 00-1600	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 5M (15') (Tripp Lite N368-05M).....	109.45	
27 29 00 00-1601	EA	Duplex Singlemode 8.3/125 Fiber Optic Plenum Rated Patch Cable LC/ST - 5m (16ft) (Tripp Lite N368-05M-P).....	187.62	
27 29 00 00-1602	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 7M (23') (Tripp Lite N368-07M).....	112.57	
27 29 00 00-1603	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 10M (33') (Tripp Lite N368-10M).....	118.83	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 29 00 00-1604	EA	15M Duplex Singlemode 8.3/125 Patch Cable LC/ST 50ft (Tripp Lite N368-15M) .....	131.34	
27 29 00 00-1605	EA	20M Duplex Singlemode 8.3/125 Patch Cable LC/ST 66ft (Tripp Lite N368-20M) .....	140.72	
27 29 00 00-1606	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 30M (100') (Tripp Lite N368-30M) .....	156.35	
27 29 00 00-1607	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl LC/LC - 1M (3ft) (Tripp Lite N370-01M) .....	90.68	
27 29 00 00-1608	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/LC - 2M (6') (Tripp Lite N370-02M) .....	93.81	
27 29 00 00-1609	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl LC/LC - 3M (10ft) (Tripp Lite N370-03M) .....	96.94	
27 29 00 00-1610	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/LC - 5M (16') (Tripp Lite N370-05M) .....	103.19	
27 29 00 00-1611	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl LC/LC - 10M (30ft - 33ft) (Tripp Lite N370-10M) .....	109.45	
27 29 00 00-1612	EA	15 Meter Duplex Singlemode Fiber Patch Cable 8.3/125 LC/LC 50ft (Tripp Lite N370-15M) .....	115.70	
27 29 00 00-1613	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/FC - 2M (6') (Tripp Lite N378-02M) .....	93.81	
27 29 00 00-1614	EA	Fiber Optic Mode Conditioning patch cable ST-SC - 3M (Tripp Lite N420-03M) .....	265.80	
27 29 00 00-1615	EA	Fiber Optic Mode Conditioning Patch Cable ST-LC - 1M (3') (Tripp Lite N422-01M) .....	312.70	
27 29 00 00-1616	EA	Fiber Optic Mode Conditioning Patch Cable ST-LC - 2M (6') (Tripp Lite N422-02M) .....	343.97	
27 29 00 00-1617	EA	Fiber Optic Mode Conditioning Patch Cable ST-LC - 3M (10') (Tripp Lite N422-03M) .....	375.24	
27 29 00 00-1618	EA	Fiber Optic Mode Conditioning Patch Cable ST-LC - 10M (33') (Tripp Lite N422-10M) .....	406.52	
27 29 00 00-1619	EA	Fiber Optic Mode Conditioning Patch Cable SC-LC - 1M (3') (Tripp Lite N424-01M) .....	281.43	
27 29 00 00-1620	EA	Fiber Optic Mode Conditioning Patch Cable SC-LC - 4M (13') (Tripp Lite N424-04M) .....	312.70	
27 29 00 00-1621	EA	Fiber Optic Mode Conditioning Patch Cable SC-LC - 5M (16') (Tripp Lite N424-05M) .....	343.97	
27 29 00 00-1622	EA	Fiber Optic Mode Conditioning Patch Cable SC-SC - 2M (6') (Tripp Lite N426-02M) .....	218.89	
27 29 00 00-1623	EA	Fiber Optic Mode Conditioning Patch Cable SC-SC - 3M (10') (Tripp Lite N426-03M) .....	234.53	
27 29 00 00-1624	EA	Fiber Optic Mode Conditioning Patch Cable SC-SC - 5M (16') (Tripp Lite N426-05M) .....	265.80	
27 29 00 00-1625	EA	Duplex Multimode Fiber Coupler, SC/SC (Tripp Lite N452-000) .....	25.02	
27 29 00 00-1626	EA	Duplex Multimode Fiber Coupler, LC/LC (Tripp Lite N455-000) .....	25.02	
27 29 00 00-1627	EA	Dual Duplex Multimode Fiber Optic Coupler LC/LC (Tripp Lite N455-000-PM) .....	25.02	
27 29 00 00-1628	EA	Duplex Singlemode Fiber Coupler, LC/LC (Tripp Lite N455-000-S) .....	37.52	
27 29 00 00-1629	EA	Dual Duplex Singlemode Fiber Optic Coupler LC/LC (Tripp Lite N455-000-S-PM) .....	37.52	
27 29 00 00-1630	EA	Duplex Multimode Fiber Coupler, SC/ST (Tripp Lite N456-000) .....	25.02	
27 29 00 00-1631	EA	Duplex Multimode 50/125 Fiber Adapter, LC-M/ST-F, 1' (Tripp Lite N457-001-50) .....	62.54	
27 29 00 00-1632	EA	Duplex Multimode 62.5/125 Fiber Adapter, LC-M/ST-F, 1' (Tripp Lite N457-001-62) .....	68.79	
27 29 00 00-1633	EA	Duplex Multimode 50/125 Fiber Adapter, LC-M/SC-F, 1' (Tripp Lite N458-001-50) .....	68.79	
27 29 00 00-1634	EA	Duplex Multimode 62.5/125 Fiber Adapter, LC-M/SC-F, 1' (Tripp Lite N458-001-62) .....	68.79	
27 29 00 00-1635	EA	1ft Duplex SMF 8.3/125 Adapter LC-Male/SC-Female 1' (Tripp Lite N458-001-9) .....	81.30	
27 29 00 00-1636	EA	Fiber Patch Panel, 1U, LC/LC - 16 Port (Tripp Lite N490-016-LCLC) .....	437.79	
27 29 00 00-1637	EA	Fiber Patch Panel, 1U, MTRJ/MTRJ - 16 Port (Tripp Lite N490-016-MTRJ) .....	375.24	
27 29 00 00-1638	EA	Fiber Patch Panel, 1U, SC/SC - 16 Port (Tripp Lite N490-016-SCSC) .....	437.79	
27 29 00 00-1639	EA	Fiber Patch Panel, 1U, ST/SC - 16 Port (Tripp Lite N490-016-STSC) .....	375.24	
27 29 00 00-1640	EA	Fiber Patch Panel, 1U, ST/ST - 16 Port (Tripp Lite N490-016-STST) .....	437.79	
27 29 00 00-1641	EA	Duplex Multimode 50/125 Fiber Patch Cbl SC/ST - 2M (6ft - 7ft) (Tripp Lite N504-02M) .....	43.78	
27 29 00 00-1642	EA	5M Duplex MMF 50/125 Patch Cable (SC/ST) 16ft (Tripp Lite N504-05M) .....	56.29	
27 29 00 00-1643	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 1M (3') (Tripp Lite N506-01M) .....	46.91	
27 29 00 00-1644	EA	Multimode Duplex 50/125 Fiber Patch Cable SC/SC - 2M (Tripp Lite N506-02M) .....	53.16	
27 29 00 00-1645	EA	Multimode Duplex 50/125 Fibre Channel Patch Cable - SC/SC - 3M (Tripp Lite N506-03M) .....	56.29	
27 29 00 00-1646	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 5M (16') (Tripp Lite N506-05M) .....	62.54	
27 29 00 00-1647	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 9M (30') (Tripp Lite N506-09M) .....	71.92	
27 29 00 00-1648	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 10M (33') (Tripp Lite N506-10M) .....	75.05	
27 29 00 00-1649	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 15M (16') (Tripp Lite N506-15M) .....	90.68	
27 29 00 00-1650	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 30M (98') (Tripp Lite N506-30M) .....	134.46	
27 29 00 00-1651	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 50M (164') (Tripp Lite N506-50M) .....	203.26	
27 29 00 00-1652	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable MTRJ/LC - 3M (10') (Tripp Lite N514-03M) .....	81.30	
27 29 00 00-1653	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 1M (3') (Tripp Lite N516-01M) .....	56.29	
27 29 00 00-1654	EA	Multimode Duplex 50/125 Fiber Patch Cable LC/SC - 2M (Tripp Lite N516-02M) .....	59.41	
27 29 00 00-1655	EA	Multimode Duplex 50/125 Fibre Channel Patch Cable - LC/SC - 3M (Tripp Lite N516-03M) .....	62.54	
27 29 00 00-1656	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 5M (16') (Tripp Lite N516-05M) .....	68.79	
27 29 00 00-1657	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 10M (33') (Tripp Lite N516-10M) .....	87.56	
27 29 00 00-1658	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 15M (16') (Tripp Lite N516-15M) .....	100.07	
27 29 00 00-1659	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 20M (65') (Tripp Lite N516-20M) .....	115.70	
27 29 00 00-1660	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 30M (98') (Tripp Lite N516-30M) .....	143.84	
27 29 00 00-1661	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 50M (164') (Tripp Lite N516-50M) .....	209.51	
27 29 00 00-1662	EA	Duplex Multimode 50/125 Fiber Patch Cbl LC/ST - 1M (3ft) (Tripp Lite N518-01M) .....	62.54	
27 29 00 00-1663	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/ST - 2M (6') (Tripp Lite N518-02M) .....	65.67	
27 29 00 00-1664	EA	Duplex Multimode 50/125 Fiber Patch Cbl LC/ST - 3M (10ft) (Tripp Lite N518-03M) .....	68.79	
27 29 00 00-1665	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/ST - 5M (16') (Tripp Lite N518-05M) .....	71.92	
27 29 00 00-1666	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/ST - 10M (33') (Tripp Lite N518-10M) .....	90.68	
27 29 00 00-1667	EA	Duplex Multimode 50/125 Fiber Patch Cbl LC/ST - 20M (65ft) (Tripp Lite N518-20M) .....	118.83	
27 29 00 00-1668	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 1M (3') (Tripp Lite N520-01M) .....	71.92	
27 29 00 00-1669	EA	Multimode Duplex 50/125 Fiber Patch Cable LC/LC - 2M (Tripp Lite N520-02M) .....	75.05	
27 29 00 00-1670	EA	Multimode Duplex 50/125 Fibre Channel Patch Cable - LC/LC - 3M (Tripp Lite N520-03M) .....	78.18	
27 29 00 00-1671	EA	Multimode Duplex 50/125 Fiber Patch Cbl LC/LC - 4M (Tripp Lite N520-04M) .....	78.18	
27 29 00 00-1672	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 5M (16') (Tripp Lite N520-05M) .....	87.56	
27 29 00 00-1673	EA	6 Meter Duplex Multimode Patch Cable 50/125 LC/LC 20ft (Tripp Lite N520-06M) .....	90.68	
27 29 00 00-1674	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 7M (23') (Tripp Lite N520-07M) .....	93.81	
27 29 00 00-1675	EA	8 Meter Duplex Multimode Fiber Patch Cable 50/125 LC/LC 8M (Tripp Lite N520-08M) .....	96.94	
27 29 00 00-1676	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 100M (330') (Tripp Lite N520-100M) .....	406.52	
27 29 00 00-1677	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 10M (33') (Tripp Lite N520-10M) .....	103.19	
27 29 00 00-1678	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 10M (39 ft.) (Tripp Lite N520-12M) .....	109.45	
27 29 00 00-1679	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 152M (500') (Tripp Lite N520-152M) .....	781.76	
27 29 00 00-1680	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 15M (16') (Tripp Lite N520-15M) .....	125.08	
27 29 00 00-1681	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 20M (65') (Tripp Lite N520-20M) .....	140.72	
27 29 00 00-1682	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 25M (16') (Tripp Lite N520-25M) .....	156.35	
27 29 00 00-1683	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 30M (98') (Tripp Lite N520-30M) .....	171.99	
27 29 00 00-1684	EA	30M Duplex MMF 50/125 Plenum Patch Cable LC/LC 100ft (Tripp Lite N520-30M-P) .....	400.26	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1765	EA		1400VA UPS System OmniSmart Tower Line-Interactive 120V 6 Outlet - 1400 VA, 1 USB, AVR LED (Tripp Lite OMNI SMT1400PNP).....	1,255.90	
27 29 00 00-1766	EA		300VA UPS System OmniSmart Tower Line-Interactive 120V 3 Outlet - 300 VA, 1 USB, Modem/Fax Protection (Tripp Lite OMNI SMT300PNP).....	372.90	
27 29 00 00-1767	EA		500VA UPS System OmniSmart Tower Line-Interactive 120V 6 Outlet - 500 VA, 1 USB, Modem/Fax Protection (Tripp Lite OMNI SMT500PNP).....	531.21	
27 29 00 00-1768	EA		700VA UPS System OmniSmart Tower Line-Interactive 120V 6 Outlet - 700 VA, 1 USB, Modem/Fax/Ethernet Protection (Tripp Lite OMNI SMT700PNP).....	700.07	
27 29 00 00-1769	EA		1000VA UPS System OMNI Full Line Isolation Towers AVR Line-Interactive 120V 6 Outlet - 1000 VA, 1 USB (Tripp Lite OMNI1000ISO).....	1,227.75	
27 29 00 00-1770	EA		1500VA UPS Omni Smart LCD USB RJ45 120V 5-15R 8 Outlet 2U RM (Tripp Lite OMNI1500LCD).....	629.71	
27 29 00 00-1771	EA		1500VA NAFTA Omni Ext Run Line-Int UPS Tower 8 outlets (Tripp Lite OMNI1500XLNAFTA).....	921.70	
27 29 00 00-1772	EA		300VA NAFTA Omni Smart Line-Int UPS Tower 3 outlets (Tripp Lite OMNI300NAFTA).....	404.56	
27 29 00 00-1773	EA		500VA UPS System OMNI Full Line Isolation Towers AVR Line-Interactive 120V 6 Outlet - 500 VA, 1 USB (Tripp Lite OMNI500ISO).....	640.26	
27 29 00 00-1774	EA		650VA UPS System OmniSmart Rack/Shelf/Tower Digital LCD Line-Interactive 120V 8 Outlet - 650 VA, 1 USB (Tripp Lite OMNI650LCD).....	369.38	
27 29 00 00-1775	EA		750VA UPS System OMNI Full Line Isolation Towers AVR Line-Interactive 120V 6 Outlet - 750 VA, 1 USB (Tripp Lite OMNI750ISO).....	1,083.52	
27 29 00 00-1776	EA		900VA UPS System OmniSmart Rack/Shelf/Tower Digital LCD Line-Interactive 120V 8 Outlet - 900 VA, 1 USB (Tripp Lite OMNI900LCD).....	404.56	
27 29 00 00-1777	EA		330VA UPS System OmniSmart Hospital Grade Tower Line-Interactive 120V 4 Outlet - 330 VAUL 60601-1 Listed, 1 Basic Comm Port, 2 Line Modem/Fax Protection (Tripp Lite OMNISMART350HG).....	1,153.10	
27 29 00 00-1778	EA		1000VA UPS System OMNI VS Tower Line-Interactive 120V 8 Outlet - 1000 VA, 1 USB, Modem/Fax Protection (Tripp Lite OMNIVS1000).....	429.19	
27 29 00 00-1779	EA		1500VA UPS System OmniVS Tower Line-Interactive 120V 8 Outlet - 1500 VA, 1 USB, Modem/Fax/Ethernet Protection (Tripp Lite OMNIVS1500).....	640.26	
27 29 00 00-1780	EA		1500VA UPS System OmniVS Tower Extended Run Line-Interactive 120 Volt 8 Outlet - 1500 VA 1 USB, Modem/Fax/Ethernet Protection (Tripp Lite OMNIVS1500XL).....	710.62	
27 29 00 00-1781	EA		Note: Use BP24V14 or BP24V34 for Extended Run TAA Compliant 1500VA UPS Omni VS Tower Ext Run 8 outlets (Tripp Lite OMNIVS1500XLTAA).....	791.53	
27 29 00 00-1782	EA		800VA UPS System OmniVS Tower Line-Interactive 120V 7 Outlet - 800 VA, 1 USB, Modem/Fax Protection (Tripp Lite OMNIVS800).....	401.04	
27 29 00 00-1783	EA		1000VA International UPS System OmniSmart Tower VS Line-Interactive 230V 6 Outlet - 1000 VA 1 USB, Modem/Fax Protection (Tripp Lite OMNIVSINT1000).....	753.81	
27 29 00 00-1784	EA		1500VA International UPS System OmniSmart Tower VS Extended Run Line-Interactive 230 Volt 8 Outlet - 1500 VA 1 USB, Modem/Fax/Network Protection (Tripp Lite OMNIVSINT1500XL).....	935.77	
27 29 00 00-1785	EA		Note: Use BP24V14 or BP24V34 for Extended Run 800VA International UPS System OmniSmart Tower VS Line-Interactive 230V 4 Outlet - 800 VA 1 USB, Modem/Fax Protection (Tripp Lite OMNIVSINT800).....	545.86	
27 29 00 00-1786	EA		TAA Compliant 1500VA Intl UPS Omni Smart Tower 8 outlets 230V (Tripp Lite OMNIX1500XLTAA).....	1,136.29	
27 29 00 00-1787	EA		350VA Intl UPS Omni Smart Line-Interactive 230V 6 outlets Hospital Grade (Tripp Lite OMNIX350HG).....	1,153.10	
27 29 00 00-1788	EA		Power Converter Cable - PC Plug (IEC-320-C14) to AC Rec (NEMA 5-15R) - 2' (Tripp Lite P002-002).....	14.01	
27 29 00 00-1789	EA		AC Power Extension Cable, C14 to Left-Angle C13, 100-250V, 10A, 18AWg, SJT - 2 ft. (Tripp Lite P004-002-13LA).....	16.18	
27 29 00 00-1790	EA		AC Power Extension Cable, C14 to Right-Angle C13, 100-250V, 10A, 18AWg, SJT - 2 ft. (Tripp Lite P004-002-13RA).....	16.18	
27 29 00 00-1791	EA		AC Power Cable (IEC-320-C14 - IEC-320-C13) - 2' (Tripp Lite P004-002-5).....	107.82	
27 29 00 00-1792	EA		AC Power Extension Cable, C14 to C13, 100-250V, 10A, 18AWg, SJT - 4 ft. (Tripp Lite P004-004).....	15.91	
27 29 00 00-1793	EA		4ft 18 AWG Power Cord C14 to C13 with Blue Connectors (Tripp Lite P004-004-BL).....	16.71	
27 29 00 00-1794	EA		4ft 18AWG Power Cord C14 to C13 Green Connectors 4' (Tripp Lite P004-004-GN).....	16.71	
27 29 00 00-1795	EA		4ft 18AWG Power Cord C14 to C13 Red Connectors 4' (Tripp Lite P004-004-RD).....	16.71	
27 29 00 00-1796	EA		4ft 18AWG Power Cord C14 to C13 Yellow Connectors 4' (Tripp Lite P004-004-YW).....	16.71	
27 29 00 00-1797	EA		AC Power Extension Cable - PC Style Plugs (IEC-320-C14 to IEC-320-C13) - 6' (Tripp Lite P004-006).....	16.71	
27 29 00 00-1798	EA		AC Power Extension/Splitter Cable, C14 to (x2) C13, 100-250V, 10A, 18AWg, SJT - 6 ft. (Tripp Lite P004-006-2C13).....	43.13	
27 29 00 00-1799	EA		10ft 18AWG Power Cord SJT 10A 100V - 250V C14 to C13 10' (Tripp Lite P004-010).....	32.35	
27 29 00 00-1800	EA		AC Power Cord, C13/C14, 100-230V,15A,14Awg SJT - 2' (Tripp Lite P005-002).....	37.74	
27 29 00 00-1801	EA		AC Power Cord, C13/C14, 100-230V,15A,14Awg SJT - 6' (Tripp Lite P005-006).....	59.30	
27 29 00 00-1802	EA		6ft Heavy Duty 14 AWG Power Cord C13 to C14 Blue Connectors (Tripp Lite P005-006-BL).....	59.30	
27 29 00 00-1803	EA		6ft 14AWG Power Cord Heavy Duty C13 to C14 Green Connectors 6' (Tripp Lite P005-006-GN).....	59.30	
27 29 00 00-1804	EA		6ft 14AWG Power Cord Heavy Duty C13 to C14 Red Connectors 6' (Tripp Lite P005-006-RD).....	59.30	
27 29 00 00-1805	EA		6ft 14AWG Power Cord Heavy Duty C13 to C14 Yellow Connectors 6' (Tripp Lite P005-006-YW).....	59.30	
27 29 00 00-1806	EA		AC Cord, C13 to C14, 15A, 14Awg - 10' (Tripp Lite P005-010).....	80.87	
27 29 00 00-1807	EA		1ft 14AWG Power Cord Heavy Duty C13 to C14 12" (Tripp Lite P005-12N).....	26.95	
27 29 00 00-1808	EA		18in 14AWG Power Cord Heavy Duty C13 to C14 18" (Tripp Lite P005-18N).....	32.35	
27 29 00 00-1809	EA		AC Power Cable, C13 to 5-15P, 125V, 10A, 18AWg, SJT - 3 ft. (Tripp Lite P006-003).....	14.56	
27 29 00 00-1810	EA		AC Power Cable, C13 to 5-15P, 125V, 10A, 18AWg, SJT - 4 ft. (Tripp Lite P006-004).....	15.09	
27 29 00 00-1811	EA		4ft 18AWG Power Cord 5-15P to C13 with Blue Connectors (Tripp Lite P006-004-BL).....	15.64	
27 29 00 00-1812	EA		4ft 18AWG Power Cord 5-15P to C13 Green Connectors 4' (Tripp Lite P006-004-GN).....	15.64	
27 29 00 00-1813	EA		4ft 18AWG Power Cord 5-15P to C13 Red Connectors 4' (Tripp Lite P006-004-RD).....	15.64	
27 29 00 00-1814	EA		4ft 18AWG Power Cord 5-15P to C13 Yellow Connectors 4' (Tripp Lite P006-004-YW).....	15.64	
27 29 00 00-1815	EA		AC Power Repl. Cable - AC Plug (NEMA 5-15P) to PC Style Rec (IEC-320-C13) - 6' (Tripp Lite P006-006).....	16.71	
27 29 00 00-1816	EA		AC Power Cord, Left-Angle C13 to 5-15P, 125V, 10A, 18AWg, SJT - 6 ft. (Tripp Lite P006-006-13LA).....	21.56	
27 29 00 00-1817	EA		AC Power Cord, Right-Angle C13 to 5-15P, 125V, 10A, 18AWg, SJT - 6 ft. (Tripp Lite P006-006-13RA).....	21.56	
27 29 00 00-1818	EA		AC Power Splitter Cable, 5-15P to (x2) C13 - 6 ft. (Tripp Lite P006-006-2).....	48.53	
27 29 00 00-1819	EA		6ft Piggyback Power Cord 5-15P/R to C13 6' (Tripp Lite P006-006-515MF).....	26.95	
27 29 00 00-1820	EA		10ft 18AWG Power Cord NEMA 5-15P to IEC-320-C13 10' (Tripp Lite P006-010).....	32.35	
27 29 00 00-1821	EA		AC Power Cord, C13/5-15P, 125V,15A,14Awg SJT - 2' (Tripp Lite P007-002).....	32.35	
27 29 00 00-1822	EA		AC Power Cord, C13/5-15P, 125V,15A,14Awg SJT - 6' (Tripp Lite P007-006).....	48.53	
27 29 00 00-1823	EA		AC Cord, C13 to 5-15P, 15A, 14Awg - 10' (Tripp Lite P007-010).....	70.08	
27 29 00 00-1824	EA		AC Power Repl. Cable - AC Plug (NEMA 5-15P) to PC Style Rec (IEC-320-C13) - 12' (Tripp Lite P010-012).....	30.72	
27 29 00 00-1825	EA		AC Power Cord, L6-20P to C13, 250V, 15A, 14Awg, SJTW - 6' (Tripp Lite P011-006).....	70.08	





MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 29 00 00-1906	EA	HDMI Right Angle Gender Changer Coupler - HDMI Female/Female (Tripp Lite P164-000-UP).....	21.56	
27 29 00 00-1907	EA	HDMI v1.3 Active Wallplate with Signal Booster (Tripp Lite P166-001-A).....	215.65	
27 29 00 00-1908	EA	HDMI v1.3 Passive Wallplate (Tripp Lite P166-001-P).....	91.66	
27 29 00 00-1909	EA	HDMI over Category 5 Wallplate Extension Kit (Tripp Lite P167-000).....	350.44	
27 29 00 00-1910	EA	Compact Displayport Gender Changer / Coupler (Display port F/F) (Tripp Lite P168-000).....	43.13	
27 29 00 00-1911	EA	PS/2 Keyboard/Mouse Extension Cable MinDIN6M/F - 6' (Tripp Lite P222-006).....	9.17	
27 29 00 00-1912	EA	PS/2 Keyboard/Mouse Extension Cable MinDIN6M/F - 10' (Tripp Lite P222-010).....	13.49	
27 29 00 00-1913	EA	PS/2 Keyboard/Mouse Extension Cable MinDIN6M/F - 15' (Tripp Lite P222-015).....	16.18	
27 29 00 00-1914	EA	PS/2 Keyboard/Mouse Extension Cable MinDIN6M/F - 25' (Tripp Lite P222-025).....	32.35	
27 29 00 00-1915	EA	PS/2 Keyboard/Mouse Extension Cable MinDIN6M/F - 50' (Tripp Lite P222-050).....	53.92	
27 29 00 00-1916	EA	PS/2 Keyboard/Mouse Y Cable MinDIN6M/2xF - 1' (Tripp Lite P230-001).....	26.95	
27 29 00 00-1917	EA	6ft Male to 3.5mm Female Mini Stereo Audio Extension Cable 6' (Tripp Lite P311-006).....	11.32	
27 29 00 00-1918	EA	10ft Male to 3.5mm Female Mini Stereo Audio Extension Cable 10' (Tripp Lite P311-010).....	14.01	
27 29 00 00-1919	EA	25ft Male to 3.5mm Female Mini Stereo Audio Extension Cable 25' (Tripp Lite P311-025).....	25.35	
27 29 00 00-1920	EA	Mini Stereo Dubbing Cord 3.5mm M/M - 6' (Tripp Lite P312-006).....	10.79	
27 29 00 00-1921	EA	Mini Stereo Dubbing Cord 3.5mm M/M - 10' (Tripp Lite P312-010).....	12.94	
27 29 00 00-1922	EA	Mini Stereo Dubbing Cord 3.5mm M/M - 25' (Tripp Lite P312-025).....	24.25	
27 29 00 00-1923	EA	Mini Stereo Dubbing Cord 3.5mm M/M - 50' (Tripp Lite P312-050).....	37.74	
27 29 00 00-1924	EA	Mini Stereo Dubbing Cord Y Adapter 3.5mm M to (2) 3.5mm F - 1' (Tripp Lite P313-001).....	21.56	
27 29 00 00-1925	EA	Audio Cable Y Adapter 3.5mm - M/2xRCA-M - 6' (Tripp Lite P314-006).....	9.71	
27 29 00 00-1926	EA	Audio Cable Y Adapter 3.5mm - M/2xRCA-M - 12' (Tripp Lite P314-012).....	11.86	
27 29 00 00-1927	EA	Audio Cable Y Adapter 3.5mm M to (x2) RCA F - 6 ft. (Tripp Lite P315-006).....	9.44	
27 29 00 00-1928	EA	10-Pack of 10" Hook and Loop Cable Ties (Tripp Lite P350-10N-10).....	16.18	
27 29 00 00-1929	EA	Serial Modem Gold Cable DB25F/M - 6' (Tripp Lite P402-006-R).....	3.77	
27 29 00 00-1930	EA	AT Serial Modem Gold Cable DB9F/25M - 6' (Tripp Lite P404-006).....	12.66	
27 29 00 00-1931	EA	Fax/Modem Silver Flat Patch Cable RJ11M/M - 7' (Tripp Lite P410-007-SR).....	5.39	
27 29 00 00-1932	EA	RJ11 In-Line Coupler RJ11F/F (Tripp Lite P420-001).....	4.32	
27 29 00 00-1933	EA	Null Modem Adapter Kit - RJ45 F to DB9 F - 2pk (Tripp Lite P450-000).....	53.92	
27 29 00 00-1934	EA	Null Modem Gold Cable DB9F/F - 6' (Tripp Lite P450-006).....	15.09	
27 29 00 00-1935	EA	Null Modem Gold Cable DB9F/F - 10 ft. (Tripp Lite P450-010).....	17.78	
27 29 00 00-1936	EA	Null Modem Gold Cable DB9M/F - 6' (Tripp Lite P454-006).....	16.18	
27 29 00 00-1937	EA	Null Modem Gold Cable DB9F/25M - 6' (Tripp Lite P456-006).....	18.33	
27 29 00 00-1938	EA	SVGA Mon Ext Cbl w RGB coax HD15 (M/F) - 6' (Tripp Lite P500-006).....	28.03	
27 29 00 00-1939	EA	SVGA Monitor Extension Gold Cable w RGB coax HD15M/F - 10' (Tripp Lite P500-010).....	50.68	
27 29 00 00-1940	EA	SVGA Mon Ext Gold Cbl w RGB coax HD15 (M/F) - 25' (Tripp Lite P500-025).....	75.48	
27 29 00 00-1941	EA	SVGA Monitor Extension Cable w RGB coax HD15M/F - 50' (Tripp Lite P500-050).....	137.47	
27 29 00 00-1942	EA	SVGA Monitor Extension Cable w RGB coax HD15M/F - 50' (Tripp Lite P500-075).....	199.49	
27 29 00 00-1943	EA	SVGA Monitor Extension Cable w RGB coax HD15M/F - 100' (Tripp Lite P500-100).....	229.13	
27 29 00 00-1944	EA	SVGA EZ-Pull Gold Monitor Extension Cable w RGB Coax, HD15M/F, 50' (Tripp Lite P501-050).....	269.57	
27 29 00 00-1945	EA	SVGA EasyPull Monitor Extension Cable w RGB Coax - 100' (Tripp Lite P501-100).....	485.24	
27 29 00 00-1946	EA	SVGA/XVGA Monitor Gold Cable w RGB Coax HD15M/M - 1 ft. (Tripp Lite P502-001).....	25.35	
27 29 00 00-1947	EA	SVGA/XVGA Monitor Gold Cable w RGB Coax HD15M/M - 3' (Tripp Lite P502-003).....	27.50	
27 29 00 00-1948	EA	SVGA/XVGA Gold Right-Angle Monitor Cable With RGB Coax - 3' (Tripp Lite P502-003-RA).....	37.74	
27 29 00 00-1949	EA	3ft SVGA / VGA Compact RGB Coax Monitor Cable (HD15 M/M) 3' (Tripp Lite P502-003-SM).....	29.65	
27 29 00 00-1950	EA	SVGA Monitor Cbl w RGB Coax HD15 (M/M) - 6' (Tripp Lite P502-006).....	30.20	
27 29 00 00-1951	EA	SVGA/XVGA Gold Right-Angle Monitor Cable With RGB Coax - 6' (Tripp Lite P502-006-RA).....	40.44	
27 29 00 00-1952	EA	6ft SVGA / VGA Compact RGB Coax Monitor Cable (HD15 M/M) 6' (Tripp Lite P502-006-SM).....	31.27	
27 29 00 00-1953	EA	SVGA/XVGA Monitor Gold Cable w RGB Coax HD15M/M - 10' (Tripp Lite P502-010).....	51.22	
27 29 00 00-1954	EA	SVGA/XVGA Gold Right-Angle Monitor Cable With RGB Coax - 10' (Tripp Lite P502-010-RA).....	59.30	
27 29 00 00-1955	EA	SVGA Monitor Cable w RGB Coax HD15M/M - 15' (Tripp Lite P502-015).....	70.08	
27 29 00 00-1956	EA	SVGA Monitor Gold Cbl w RGB Coax HD15 (M/M) - 25' (Tripp Lite P502-025).....	75.48	
27 29 00 00-1957	EA	XVGA Plenum Rated Monitor Gold Cable w RGB Coax HD15M/M - 25' (Tripp Lite P502-025-P).....	377.39	
27 29 00 00-1958	EA	SVGA/XVGA Gold Right-Angle Monitor Cable With RGB Coax - 25' (Tripp Lite P502-025-RA).....	86.27	
27 29 00 00-1959	EA	SVGA Monitor Cable w RGB Coax HD15M/M - 50' (Tripp Lite P502-050).....	140.17	
27 29 00 00-1960	EA	XVGA Plenum Rated Monitor Gold Cable w RGB Coax HD15M/M - 50' (Tripp Lite P502-050-P).....	808.71	
27 29 00 00-1961	EA	SVGA Monitor Gold Cable w RGB Coax HD15M/M - 100' (Tripp Lite P502-100).....	231.83	
27 29 00 00-1962	EA	SVGA EZ-Pull Gold Monitor Cable w RGB Coax, HD15M/M, 50' (Tripp Lite P503-050).....	269.57	
27 29 00 00-1963	EA	SVGA EasyPull Monitor Cable w RGB Coax - 100' (Tripp Lite P503-100).....	485.24	
27 29 00 00-1964	EA	3ft SVGA/VGA RGB Coax Monitor Cable w Aud HD15 M/M, 3.5mm M/M 3' (Tripp Lite P504-003-SM).....	53.92	
27 29 00 00-1965	EA	6ft SVGA/VGA Monitor + Audio Cable w Coax (HD15 M/M, 3.5mm M/M) (Tripp Lite P504-006).....	55.00	
27 29 00 00-1966	EA	6ft SVGA/VGA RGB Coax Monitor Cable w Aud HD15 M/M, 3.5mm M/M 6' (Tripp Lite P504-006-SM).....	64.69	
27 29 00 00-1967	EA	10' XVGA Monitor/Audio Cable w Coax HD15M/M, 3.5mm M/M (Tripp Lite P504-010).....	86.27	
27 29 00 00-1968	EA	15ft SVGA/VGA Monitor + Audio Cable w Coax (HD15 M/M, 3.5mm M/M) (Tripp Lite P504-015).....	107.82	
27 29 00 00-1969	EA	25 XVGA Monitor/Audio Cable w Coax HD15M/M, 3.5mm M/M (Tripp Lite P504-025).....	161.75	
27 29 00 00-1970	EA	25 XVGA Monitor/Audio Plenum Cable w Coax HD15M/M, 3.5mm M/M (Tripp Lite P504-025-P).....	404.37	
27 29 00 00-1971	EA	SVGA Monitor Cable with RGB Coax and Audio - HD15(M/M) - 50' (Tripp Lite P504-050).....	323.49	
27 29 00 00-1972	EA	SVGA EasyPull Monitor Coax Cable w Audio - 50' (Tripp Lite P504-050-EZ).....	350.44	
27 29 00 00-1973	EA	SVGA EasyPull Monitor Coax Cable w Audio - 100' (Tripp Lite P504-100-EZ).....	539.14	
27 29 00 00-1974	EA	VGA Monitor Extension Gold Cable HD15M/F - 6' (Tripp Lite P510-006).....	19.95	
27 29 00 00-1975	EA	VGA Monitor Extension Gold Cable HD15M/F - 10' (Tripp Lite P510-010).....	20.48	
27 29 00 00-1976	EA	VGA Monitor Extension Gold Cable HD15M/F - 15' (Tripp Lite P510-015).....	25.35	
27 29 00 00-1977	EA	VGA Monitor Extension Gold Cable HD15M/F - 25' (Tripp Lite P510-025).....	37.74	
27 29 00 00-1978	EA	VGA Monitor Gold Cable HD15M/M - 6' (Tripp Lite P512-006).....	17.26	
27 29 00 00-1979	EA	VGA Monitor Gold Cable HD15M/M - 10' (Tripp Lite P512-010).....	21.56	
27 29 00 00-1980	EA	VGA/XVGA Monitor Y Splitter HD15M/2XF (Tripp Lite P516-001).....	37.74	
27 29 00 00-1981	EA	VGA/XVGA Monitor Y Splitter (High Resolution) - HD15(M)/ x2 (F) - 1' (Tripp Lite P516-001-HR).....	48.53	
27 29 00 00-1982	EA	CGA/EGA Monitor/Mouse Extension Cable DB9M/F - 6' (Tripp Lite P520-006).....	12.39	
27 29 00 00-1983	EA	6-ft. CGA/EGA Monitor/Serial Mouse Extension Display Cable DB9F to DB9M (Tripp Lite P520-006-R).....	4.85	
27 29 00 00-1984	EA	3ft DVI to VGA Cable DVI Male to HD15 Male 3' (Tripp Lite P556-003).....	35.04	
27 29 00 00-1985	EA	DVI Cable, DVI Male to HD15M - 6 ft. (Tripp Lite P556-006).....	37.74	
27 29 00 00-1986	EA	10ft DVI to VGA Cable DVI Male to HD15 Male 10' (Tripp Lite P556-010).....	53.92	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1987	EA			3ft DVI Dual Link TMDS Cable (DVI-D M/M) 3' (Tripp Lite P560-003).....	43.13	
27 29 00 00-1988	EA			DVI Dual Link TDMS Cable, DVI-D M/M - 6 ft. (Tripp Lite P560-006).....	45.83	
27 29 00 00-1989	EA			DVI Dual Link TMDS Cable With Audio - DVI-D, 3.5 - 6' (Tripp Lite P560-006-A) .....	53.92	
27 29 00 00-1990	EA			DVI Dual Link TDMS Cable, DVI-D M/M - 10 ft. (Tripp Lite P560-010).....	59.30	
27 29 00 00-1991	EA			DVI Dual Link TMDS Cable With Audio - DVI-D, 3.5mm M/M - 10' (Tripp Lite P560-010-A).....	70.08	
27 29 00 00-1992	EA			DVI Dual Link TDMS Cable- DVI-D M/M - 15' (Tripp Lite P560-015) .....	86.27	
27 29 00 00-1993	EA			DVI Dual Link TDMS Cable- DVI-D M/M - 20' (Tripp Lite P560-020) .....	118.61	
27 29 00 00-1994	EA			DVI Dual Link TDMS Cable - DVI-D(M)/(M) - 25' (Tripp Lite P560-025) .....	156.35	
27 29 00 00-1995	EA			DVI Dual Link TDMS Cable- DVI-D M/M - 50' (15M) (Tripp Lite P560-050).....	242.62	
27 29 00 00-1996	EA			DVI Dual Link TDMS Cable- DVI-D M/M - 100' (30M) (Tripp Lite P560-100).....	431.32	
27 29 00 00-1997	EA			DVI Single Link TDMS Cable, DVI-D M/M - 6 ft. (Tripp Lite P561-006) .....	53.92	
27 29 00 00-1998	EA			DVI Single Link TDMS Cable, DVI-D M/M - 10 ft. (Tripp Lite P561-010) .....	70.08	
27 29 00 00-1999	EA			DVI Single Link TDMS Cable- DVI-D M/M - 50' (15M) (Tripp Lite P561-050) .....	188.70	
27 29 00 00-2000	EA			DVI EasyPull Cable Single link (TDMS) - 50' (Tripp Lite P561-050-EZ).....	323.49	
27 29 00 00-2001	EA			75ft DVI Single Link TMDS Cable DVI-D M/M 75' (Tripp Lite P561-075).....	334.26	
27 29 00 00-2002	EA			DVI Single Link TDMS Cable- DVI-D M/M - 100' (30M) (Tripp Lite P561-100) .....	350.44	
27 29 00 00-2003	EA			DVI EasyPull Cable Single link (TDMS) - 100' (Tripp Lite P561-100-EZ).....	539.14	
27 29 00 00-2004	EA			100ft DVI High Definition Single Link TMDS Cable DVI-D M/M 100' (Tripp Lite P561-100-HD) .....	646.96	
27 29 00 00-2005	EA			DVI Dual Link 45deg Left Extension Cable - DVI-D M/F - 1' (Tripp Lite P562-001-45L) .....	53.92	
27 29 00 00-2006	EA			DVI Dual Link Extension Cable, DVI-DI M/F - 6 ft. (Tripp Lite P562-006) .....	61.99	
27 29 00 00-2007	EA			DVI Dual Link Splitter Cable - DVI-D(M) / DVI-I x2 (F) - 1' (Tripp Lite P564-001).....	80.87	
27 29 00 00-2008	EA			HDMI to DVI Gold Digital Video Cable HDMI-M/DVI-M - 6 ft. (Tripp Lite P566-006) .....	80.87	
27 29 00 00-2009	EA			HDMI to DVI Gold Digital Video Cable HDMI-M/DVI-M - 10 ft. (Tripp Lite P566-010) .....	97.06	
27 29 00 00-2010	EA			HDMI to DVI Gold Digital Video Cable HDMI-M / DVI-M - 16' (Tripp Lite P566-016).....	129.40	
27 29 00 00-2011	EA			3ft HDMI Gold Digital Video Cable 3' (Tripp Lite P568-003).....	25.88	
27 29 00 00-2012	EA			HDMI Gold Digital Video Cable (Flat) - HDMI(M)/(M) - 3' (Tripp Lite P568-003-FL) .....	53.92	
27 29 00 00-2013	EA			Swivel HDMI Premium Gold Cable - HDMI M/M - 3 ft. (Tripp Lite P568-003-SW).....	53.92	
27 29 00 00-2014	EA			HDMI Gold Digital Video Cable HDMI M/M - 6 ft. (Tripp Lite P568-006).....	32.35	
27 29 00 00-2015	EA			HDMI Gold Digital Video Cable (Flat) - HDMI(M)/(M) - 6' (Tripp Lite P568-006-FL).....	64.69	
27 29 00 00-2016	EA			6ft HDMI Gold Straight to Right-Angle Digital Video Cable (HDMI M/HDMI Right-Angle M) (Tripp Lite P568-006-RA) .....	56.62	
27 29 00 00-2017	EA			Right-Angle HDMI Gold Digital Video Cable HDMI M/M - 6' (Tripp Lite P568-006-RA2) .....	59.30	
27 29 00 00-2018	EA			Swivel HDMI Premium Gold Cable - HDMI M/M - 6 ft. (Tripp Lite P568-006-SW).....	70.08	
27 29 00 00-2019	EA			HDMI Gold Digital Video Cable HDMI M/M - 10 ft. (Tripp Lite P568-010).....	53.92	
27 29 00 00-2020	EA			HDMI Gold Digital Video Cable (Flat) - HDMI(M)/(M) - 10' (Tripp Lite P568-010-FL) .....	86.27	
27 29 00 00-2021	EA			Swivel HDMI Gold Video Cable - HDMI M/M - 10 ft. (Tripp Lite P568-010-SW).....	91.66	
27 29 00 00-2022	EA			12ft High Speed HDMI Gold Digital Video Cable HDMI M/M 12' (Tripp Lite P568-012).....	56.62	
27 29 00 00-2023	EA			HDMI Gold Digital Video Cable HDMI M/M - 16' (Tripp Lite P568-016).....	86.27	
27 29 00 00-2024	EA			Flat HDMI Gold Video Cable HDMI M/M - 16' (Tripp Lite P568-016-FL).....	129.40	
27 29 00 00-2025	EA			HDMI Gold Digital Video Cable - HDMI(M)/(M) - 25' (Tripp Lite P568-025) .....	134.80	
27 29 00 00-2026	EA			25ft Easy Pull High Speed HDMI Digital Video Cable HDMI M/M 25' (Tripp Lite P568-025-EZ) .....	269.57	
27 29 00 00-2027	EA			HDMI Gold Digital Video Cable - HDMI(M)/(M) - 50' (Tripp Lite P568-050) .....	269.57	
27 29 00 00-2028	EA			HDMI EasyPull Digital Video Cable - 50' (Tripp Lite P568-050-EZ).....	404.37	
27 29 00 00-2029	EA			HDMI Gold Digital Video Cable - HDMI M/M - Plenum Rated - 50' (Tripp Lite P568-050-P) .....	1,240.03	
27 29 00 00-2030	EA			HDMI Gold Digital Video Cable - HDMI(M)/(M) - 100' (Tripp Lite P568-100).....	539.14	
27 29 00 00-2031	EA			HDMI EasyPull Digital Video Cable - 100' (Tripp Lite P568-100-EZ).....	754.81	
27 29 00 00-2032	EA			High Definition HDMI Gold Digital Video Cable, HDMI M/M - 100ft (Tripp Lite P568-100-HD) .....	862.63	
27 29 00 00-2033	EA			3ft High Speed With Ethernet HDMI Cable (HDMI M/M) 3' (Tripp Lite P569-003) .....	53.92	
27 29 00 00-2034	EA			6' High Speed With Ethernet HDMI Cable (HDMI M/M) (Tripp Lite P569-006) .....	70.08	
27 29 00 00-2035	EA			10' High Speed With Ethernet HDMI Cable (HDMI M/M) (Tripp Lite P569-010) .....	80.87	
27 29 00 00-2036	EA			16' High Speed With Ethernet HDMI Cable (HDMI M/M) (Tripp Lite P569-016) .....	118.61	
27 29 00 00-2037	EA			25' High Speed With Ethernet HDMI Cable (HDMI M/M) (Tripp Lite P569-025) .....	204.88	
27 29 00 00-2038	EA			3ft HDMI to Micro HDMI High Speed w Ethernet Vid / Aud Cable 3' (Tripp Lite P570-003-MICRO).....	43.13	
27 29 00 00-2039	EA			6ft HDMI to Micro HDMI High Speed w Ethernet Vid / Aud Cable 6' (Tripp Lite P570-006-MICRO).....	53.92	
27 29 00 00-2040	EA			3ft High Speed with Ethernet HDMI to Mini HDMI Cable 3' (Tripp Lite P571-003-MINI).....	48.53	
27 29 00 00-2041	EA			6ft High Speed with Ethernet HDMI to Mini HDMI Cable 6' (Tripp Lite P571-006-MINI) .....	70.08	
27 29 00 00-2042	EA			HDMI TO Mini Gold Digital Video Cable - Mini HDMI(M)/(M) - 6' (Tripp Lite P572-006) .....	70.08	
27 29 00 00-2043	EA			DMS59 to (2) HD15 Splitter Cable - 1' (Tripp Lite P574-001) .....	75.48	
27 29 00 00-2044	EA			DMS59 to (2) DVI-I Splitter Cable - 1' (Tripp Lite P576-001) .....	75.48	
27 29 00 00-2045	EA			3ft Displayport Monitor Cable M/M 3' (Tripp Lite P580-003).....	70.08	
27 29 00 00-2046	EA			Displayport Device Cable - 6' (Tripp Lite P580-006) .....	80.87	
27 29 00 00-2047	EA			Displayport Device Cable - 10' (Tripp Lite P580-010).....	107.82	
27 29 00 00-2048	EA			Displayport Device Cable - 15' (Tripp Lite P580-015).....	172.53	
27 29 00 00-2049	EA			DisplayPort to DVI Single-Link Device Cable - 6' (Tripp Lite P581-006).....	140.17	
27 29 00 00-2050	EA			DisplayPort M to DVI-D Single-Link M Cable - 10 ft. (Tripp Lite P581-010).....	172.53	
27 29 00 00-2051	EA			3ft Mini Displayport to Displayport Cable 2560 x 1600 3' (Tripp Lite P583-003) .....	53.92	
27 29 00 00-2052	EA			6ft Mini Displayport to Displayport Cable 2560 x 1600 6' (Tripp Lite P583-006) .....	59.30	
27 29 00 00-2053	EA			10ft Mini Displayport to Displayport Cable 2560 x 1600 10' (Tripp Lite P583-010) .....	70.08	
27 29 00 00-2054	EA			3ft Mini Displayport to Mini Displayport Cable 2560 x 1600 3' (Tripp Lite P584-003) .....	53.92	
27 29 00 00-2055	EA			6ft Mini Displayport to Mini Displayport Cable 2560 x 1600 6' (Tripp Lite P584-006) .....	59.30	
27 29 00 00-2056	EA			10ft Mini Displayport to Mini Displayport Cable 2560 x 1600 10' (Tripp Lite P584-010) .....	70.08	
27 29 00 00-2057	EA			Bidirectional Parallel Printer A/B Cable DB25M/Cen36M - 10' (Tripp Lite P602-010).....	23.18	
27 29 00 00-2058	EA			IEEE1284 Gold Parallel Printer A/B Cable DB25M/Cen36M - 3' (Tripp Lite P606-003).....	27.77	
27 29 00 00-2059	EA			IEEE1284 Gold Parallel Printer A/B Cable DB25M/Cen36M - 6' (Tripp Lite P606-006).....	29.12	
27 29 00 00-2060	EA			IEEE1284 Gold Parallel Printer A/B Cable DB25M/Cen36M - 10' (Tripp Lite P606-010).....	37.74	
27 29 00 00-2061	EA			IEEE1284 Gold Parallel Printer A/B Cable DB25M/Cen36M - 15' (Tripp Lite P606-015).....	45.83	
27 29 00 00-2062	EA			IEEE1284 Parallel Printer A-C Cable DB25M/MCen36M - 6' (Tripp Lite P608-006).....	29.65	
27 29 00 00-2063	EA			IEEE 1284 Switch Gold Cable DB25M/M - 6' (Tripp Lite P710-006).....	35.04	
27 29 00 00-2064	EA			PS/2 Cable Kit for KVM Switch B004-008 - 6' (Tripp Lite P750-006).....	50.40	
27 29 00 00-2065	EA			PS/2 Cable Kit for KVM Switch B004-008 - 10' (Tripp Lite P750-010).....	70.08	
27 29 00 00-2066	EA			PS/2 Cable Kit for KVM Switch B004-008 - 15' (Tripp Lite P750-015).....	88.96	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 29 00 00-2067	EA	KVM PS/2 Slim Cable Kit for B004-002/4, B005-002/4 And B007-008 - 6' (Tripp Lite P753-006) .....	51.75
27 29 00 00-2068	EA	KVM PS/2 Slim Cable Kit for B004-002/4, B005-002/4 And B007-008 - 10' (Tripp Lite P753-010) .....	74.13
27 29 00 00-2069	EA	KVM PS/2 Slim Cable Kit for B004-002/4, B005-002/4 And B007-008 - 15' (Tripp Lite P753-015) .....	107.82
27 29 00 00-2070	EA	PS/2 Cable Kit for KVM Switch B007-008 - 10' (Tripp Lite P754-010) .....	74.13
27 29 00 00-2071	EA	KVM USB with Audio Cable Kit for B006-VUA4-K-R - 10 ft. (Tripp Lite P756-010) .....	107.82
27 29 00 00-2072	EA	KVM PS/2 with Audio Cable Kit for B006-VUA4-K-R - 10 ft. (Tripp Lite P757-010) .....	107.82
27 29 00 00-2073	EA	USB Cable Kit for KVM Switch B006-004-R - 6' (Tripp Lite P758-006).....	50.68
27 29 00 00-2074	EA	USB Cable Kit for KVM Switch B006-004-R - 10' (Tripp Lite P758-010).....	61.99
27 29 00 00-2075	EA	6ft Cable Kit for B002-DUA2 / B002-DUA4 Secure KVM Switches 6' (Tripp Lite P759-006).....	129.40
27 29 00 00-2076	EA	10ft Cable Kit for B002-DUA2 / B002-DUA4 Secure KVM Switches 10' (Tripp Lite P759-010) .....	172.53
27 29 00 00-2077	EA	15ft Cable Kit for B002-DUA2 / B002-DUA4 Secure KVM Switches 15' (Tripp Lite P759-015) .....	215.65
27 29 00 00-2078	EA	KVM Daisy-Chain Cable for the B060-Series KVM Switches - 13' (Tripp Lite P770-013) .....	269.57
27 29 00 00-2079	EA	KVM Daisy-Chain Cable for the B060-Series KVM Switches - 10m (Tripp Lite P770-10M).....	539.14
27 29 00 00-2080	EA	Daisy-Chain Cable Kit for KVM Switches B020-016, B020-008 and B022-016 (Tripp Lite P772-002).....	97.06
27 29 00 00-2081	EA	KVM Daisychain Cable for B020-016, B020-008 And B022-016 - 6' (Tripp Lite P772-006).....	161.75
27 29 00 00-2082	EA	KVM Daisy Chain Cable for B020 Series and B022-016 - 15' (Tripp Lite P772-015).....	296.52
27 29 00 00-2083	EA	PS/2 Cable Kit for B020- and B022- series KVM Switches - 6' (Tripp Lite P774-006).....	87.89
27 29 00 00-2084	EA	PS/2 Cable Kit for B020- and B022- series KVM Switches - 10' (Tripp Lite P774-010) .....	133.17
27 29 00 00-2085	EA	PS/2 Cable Kit for B020- and B022- series KVM Switches - 15' (Tripp Lite P774-015) .....	163.37
27 29 00 00-2086	EA	KVM PS/2 Cable Kit for B020/B022 Series Switches - 25' (Tripp Lite P774-025).....	229.13
27 29 00 00-2087	EA	USB Cable Kit for B020- and B022- series KVM Switches - 6' (Tripp Lite P776-006).....	112.14
27 29 00 00-2088	EA	USB Cable Kit for B020- and B022- series KVM Switches - 10' (Tripp Lite P776-010).....	156.35
27 29 00 00-2089	EA	KVM USB Cable Kit for B020/B022 Series Switches - 19' (Tripp Lite P776-019) .....	207.03
27 29 00 00-2090	EA	KVM USB-PS2 Combo Cable Kit for the B020/22-U08/16 Series Switches - 6ft (Tripp Lite P778-006) .....	74.40
27 29 00 00-2091	EA	KVM USB/PS2 Combo Cable Kit for the B020/22-UXX Series Switches - 10ft (Tripp Lite P778-010).....	91.66
27 29 00 00-2092	EA	KVM USB/PS2 Combo Cable Kit for the B020/22-UXX Series Switches - 15ft (Tripp Lite P778-015).....	124.01
27 29 00 00-2093	EA	KVM USB/PS2 Cable for B040 And B042 KVMs (includes USB AF to PS/2 M adapter) - 6' (Tripp Lite P780-006) .....	71.16
27 29 00 00-2094	EA	KVM USB/PS2 Cable for B040 And B042 KVMs (includes USB AF to PS/2 M adapter) - 10' (Tripp Lite P780-010) .....	93.26
27 29 00 00-2095	EA	KVM USB/PS2 Cable for B040 And B042 KVMs (includes USB AF to PS/2 M adapter) - 15' (Tripp Lite P780-015) .....	126.16
27 29 00 00-2096	EA	KVM Daisychain Cable for the B040/42 Series KVM Switches - 3' (Tripp Lite P781-003).....	97.06
27 29 00 00-2097	EA	KVM Daisychain Cable for the B040/42 Series KVM Switches - 6' (Tripp Lite P781-006) .....	107.82
27 29 00 00-2098	EA	KVM Daisychain Cable for the B040/42 Series KVM Switches - 10' (Tripp Lite P781-010) .....	129.40
27 29 00 00-2099	EA	KVM Daisychain Cable for the B040/42 Series KVM Switches - 16' (Tripp Lite P781-016) .....	161.75
27 29 00 00-2100	EA	UATA/UDMA EIDE 2-Drive Ribbon Cable 3x40sok - 18" (Tripp Lite P906-18).....	17.53
27 29 00 00-2101	EA	UATA/UDMA EIDE 2-Drive Ribbon Cable 3x40sok - 18" (Bulk) (Tripp Lite P906-18-BP) .....	13.49
27 29 00 00-2102	EA	UATA/UDMA EIDE 2-Drive Ribbon Cable 3x40sok - 24" (Tripp Lite P906-24).....	12.94
27 29 00 00-2103	EA	UATA/UDMA EIDE 2-Drive Ribbon Cable 3x40sok - 26" (Tripp Lite P906-26).....	18.88
27 29 00 00-2104	EA	Power Y Splitter 5.25" Cable - 6" (Tripp Lite P920-006) .....	6.74
27 29 00 00-2105	EA	Universal CD ROM Audio Cable Assembly - 26" (Tripp Lite P930-26) .....	4.57
27 29 00 00-2106	EA	IDE to Serial ATA (SATA) Converter (Tripp Lite P936-000).....	70.08
27 29 00 00-2107	EA	8" Serial ATA (SATA) Latching Signal Cable (Tripp Lite P940-08).....	10.79
27 29 00 00-2108	EA	Serial ATA (SATA) Signal Cable - 19" (Tripp Lite P940-19).....	13.49
27 29 00 00-2109	EA	Serial ATA (SATA) Signal Cable - 39" (Tripp Lite P940-39).....	15.09
27 29 00 00-2110	EA	Serial ATA (SATA) Signal Cable, 7-pin Connector straight/up - 19" (Tripp Lite P941-19).....	12.94
27 29 00 00-2111	EA	Serial ATA (SATA) Signal Cable, 7-pin Connector straight/down - 19" (Tripp Lite P942-19).....	12.94
27 29 00 00-2112	EA	Serial ATA (SATA) Signal Cable, 7-pin Connector up/down - 19" (Tripp Lite P943-19).....	12.94
27 29 00 00-2113	EA	Serial ATA (SATA) Power Cable - 6" (Tripp Lite P944-06) .....	10.24
27 29 00 00-2114	EA	Serial ATA (SATA) Power Adapter/Ext Cable - 4pin/4pin And 15pin SATA - 6" (Tripp Lite P945-06).....	16.18
27 29 00 00-2115	EA	Serial ATA (SATA) Dual Power Adapter Cable - 4pin/2x15pin SATA - 12" (Tripp Lite P946-12).....	16.18
27 29 00 00-2116	EA	Serial ATA II (SATA II) Signal Cable, 2x7-pin Straight Connector - 2m (Tripp Lite P950-02M) .....	38.81
27 29 00 00-2117	EA	Serial ATA II Signal Cable, 2x7-pin Straight Connector - 18" (Tripp Lite P950-18).....	21.56
27 29 00 00-2118	EA	Serial ATA II Signal Cable, 2x7-pin Straight Connector - 39" (Tripp Lite P950-36).....	26.95
27 29 00 00-2119	EA	eSATA to SATA Signal Cable With Bracket, 7P-M/7P-M, 2' (Tripp Lite P952-002).....	31.27
27 29 00 00-2120	EA	eSATA to SATA Signal Cable - 3' (Tripp Lite P952-003) .....	26.95
27 29 00 00-2121	EA	eSATA to SATA Signal Cable - 18" (Tripp Lite P952-18).....	23.18
27 29 00 00-2122	EA	120 Volt, 15 Amperes (13) 5-15R AC Receptacles (1) 15 Amperes Circuit Breaker 5-15P Input Plug 15 ft. Cord (Tripp Lite PDU1215).....	207.56
27 29 00 00-2123	EA	120 Volt, 20 Amperes (13) 5- 20 R AC Receptacles (1) 20 Amperes Circuit Breaker 5- 20 P Input Plug 15 ft. Cord (Tripp Lite PDU1220).....	334.20
27 29 00 00-2124	EA	120 Volt, 20 Amperes (13) 5- 20 R AC Receptacles (1) 20 Amperes Circuit Breaker L5- 20 P Input Plug 15 ft. Cord (Tripp Lite PDU1220T).....	344.76
27 29 00 00-2125	EA	208 Volt, 30 Amperes (12) C-13 AC Receptacles (3) 10 Amperes Circuit Breakers L6- 30 P Input Plug 15 ft. Cord (Tripp Lite PDU1230).....	573.42
27 29 00 00-2126	EA	100-240 Volt, 20 Amperes (12) C-13/ (2) C19 AC Receptacles (2) 16 Amperes Circuit Breakers C-20+ Input Plug N/A Cord (Tripp Lite PDU12IEC).....	464.37
27 29 00 00-2127	EA	120 Volt, 15 Amperes (14) 5-15R AC Receptacles (1) 15 Amperes Circuit Breaker 5-15P Input Plug 15 ft. Cord (Tripp Lite PDU1415).....	386.97
27 29 00 00-2128	EA	120 Volt, 20 Amperes (14) 5-15R AC Receptacles (1) 20 Amperes Circuit Breaker L5- 20 P Input Plug 15 ft. Cord (Tripp Lite PDU1420T).....	394.01
27 29 00 00-2129	EA	120 Volt, 30 Amperes (24) 5-15R AC Receptacles (2) 15 Amperes Circuit Breakers L5- 30 P Input Plug 15 ft. Cord (Tripp Lite PDU2430).....	573.42
27 29 00 00-2130	EA	PDU 3-Phase Metered 208V 12.6 kW Hubbell 36 C13; 6 C19 0URM (Tripp Lite PDU3MV6H50).....	1,758.96
27 29 00 00-2131	EA	PDU 3-Phase Metered 208V 14.4kW 36 C13; 6 C19; 3 L6-30R 0URM (Tripp Lite PDU3MV6H50A) .....	2,462.54
27 29 00 00-2132	EA	PDU 3-Phase Metered 208/120V 5.7 Kw 36 C13; 6 C19; 6 5-15/20R 0U (Tripp Lite PDU3MV6L2120) .....	1,090.56
27 29 00 00-2133	EA	PDU 3-Phase Metered 208/120V 5.7 kW 21 5-15/20R; 6 L6-20R 0URM (Tripp Lite PDU3MV6L2120B).....	1,125.73
27 29 00 00-2134	EA	PDU 3-Phase Metered 120V 5.7 kW 42 5-15/20R L21-20P 0URM (Tripp Lite PDU3MV6L2120LV) .....	1,090.56
27 29 00 00-2135	EA	PDU 3-Phase Metered 208V / 120V 36 C13; 6 C19; 6 5-15/20R 0URM (Tripp Lite PDU3MV6L2130) .....	1,583.06
27 29 00 00-2136	EA	PDU 3-Phase Monitored 208V 8.6kVA IEC-309 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10G30).....	2,149.45
27 29 00 00-2137	EA	PDU 3-Phase Monitored 208V 12.6kVA IEC-309 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10G60).....	2,736.94
27 29 00 00-2138	EA	PDU 3-Phase Monitored 208V 12.6kVA Hubbell 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10H50).....	2,462.54
27 29 00 00-2139	EA	PDU 3-Phase Monitored 208V 5.7kVA L15-20P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10L1520).....	1,797.66
27 29 00 00-2140	EA	PDU 3-Phase Monitored 208V 8.6kVA L15-30P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10L1530).....	2,072.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2141 EA PDU 3-Phase Monitored 208V 5.7kWA L21-20P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10L2120).....	1,466.97	
27 29 00 00-2142 EA PDU 3-Phase Monitored 120V 5.7kWA L21-20P 36 5-15/20R 0U RM (Tripp Lite PDU3VN10L2120LV).....	1,368.47	
27 29 00 00-2143 EA PDU 3-Phase Monitored 208V 8.6kWA L21-30P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10L2130).....	2,072.05	
27 29 00 00-2144 EA PDU 3-Phase Monitored 208V 8.6kWA IEC-309 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3G30).....	2,072.05	
27 29 00 00-2145 EA PDU 3-Phase Monitored 208V 12.6kWA IEC-309 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3G60).....	2,659.55	
27 29 00 00-2146 EA PDU 3-Phase Monitored 208V 12.6kWA Hubbell 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3H50).....	2,385.15	
27 29 00 00-2147 EA PDU 3-Phase Monitored 208V 5.7kWA L15-20P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3L1520).....	1,758.96	
27 29 00 00-2148 EA PDU 3-Phase Monitored 208V 8.6kWA L15-30P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3L1530).....	1,994.66	
27 29 00 00-2149 EA PDU 3-Phase Monitored 208V 5.7kWA L21-20P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3L2120).....	1,407.17	
27 29 00 00-2150 EA PDU 3-Phase Monitored 120V 5.7kWA L21-20P 36 5-15/20R 0U RM (Tripp Lite PDU3VN3L2120LV).....	1,291.08	
27 29 00 00-2151 EA PDU 3-Phase Monitored 208V 8.6kWA L21-20P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3L2130).....	1,994.66	
27 29 00 00-2152 EA PDU 3-Phase Switched 208V 8.6kWA IEC-309 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10G30).....	3,088.73	
27 29 00 00-2153 EA PDU 3-Phase Switched 208V 12.6kWA IEC-309 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10G60).....	3,479.22	
27 29 00 00-2154 EA PDU 3-Phase Switched 208V 12.6kWA Hubbell 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10H50).....	3,282.22	
27 29 00 00-2155 EA PDU 3-Phase Switched 208V 5.7kWA L15-20P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10L1520).....	2,617.33	
27 29 00 00-2156 EA PDU 3-Phase Switched 208V 8.6kWA L15-30P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10L1530).....	3,011.34	
27 29 00 00-2157 EA PDU 3-Phase Switched 208V 5.7kWA L21-20P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10L2120).....	2,532.90	
27 29 00 00-2158 EA PDU 3-Phase Switched 208V 8.6kWA L21-30P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10L2130).....	3,011.34	
27 29 00 00-2159 EA PDU 3-Phase Switched 208V 8.6kWA IEC-309 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3G30).....	3,011.34	
27 29 00 00-2160 EA PDU 3-Phase Switched 208V 12.6kWA IEC-309 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3G60).....	3,401.83	
27 29 00 00-2161 EA PDU 3-Phase Switched 208V 12.6kWA Hubbell 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3H50).....	3,204.83	
27 29 00 00-2162 EA PDU 3-Phase Switched 208V 5.7kWA L15-20P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3L1520).....	2,539.94	
27 29 00 00-2163 EA PDU 3-Phase Switched 208V 8.6kWA L15-30P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3L1530).....	2,930.43	
27 29 00 00-2164 EA PDU 3-Phase Switched 208V 5.7kWA L21-20P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3L2120).....	2,462.54	
27 29 00 00-2165 EA PDU 3-Phase Switched 208V 8.6kWA L21-30P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3L2130).....	2,930.43	
27 29 00 00-2166 EA PDU Intl 3-Phase Monitored 230V 11kWA IEC-309 30 C13; 6 C19 0U RM 10ft Cord (Tripp Lite PDU3XVN10G16).....	2,462.54	
27 29 00 00-2167 EA PDU Intl 3-Phase Monitored 230V 11kWA IEC-309 30 C13; 6 C19 0U RM 3ft Cord (Tripp Lite PDU3XVN3G16).....	2,392.19	
27 29 00 00-2168 EA PDU Intl 3-Phase Monitored 230V 11kWA IEC-309 30 C13; 6 C19 0U RM 3ft Cord (Tripp Lite PDU3XVSR10G16).....	3,166.13	
27 29 00 00-2169 EA PDU Intl 3-Phase Switched 230V 11kWA IEC-309 21 C13; 3 C19 0U RM 3ft Cord (Tripp Lite PDU3XVSR3G16).....	3,095.77	
27 29 00 00-2170 EA 120 Volt, 40 (2x20) Amperes (24 (2x12)) 5-15R AC Receptacles (2) 20 Amperes Circuit Breakers (2) L5- 20 P Input Plug 15 ft. Cord (Tripp Lite PDU40TDUAL).....	608.60	
27 29 00 00-2171 EA Power Distribution Unit Dual Source With Hot Swap 100-127 Volt, 12 Amperes, 5-15R 8 Outlet 2U RM (Tripp Lite PDUB15).....	517.13	
27 29 00 00-2172 EA PDU Dual Source Hot Swap 100-127V 16A 5-15/20R 8 Outlet 2U RM (Tripp Lite PDUB20).....	591.01	
27 29 00 00-2173 EA PDU Dual Source Hot Swap 100-127V 24A 5-15/20R And L5-30R 7 Out 2U RM (Tripp Lite PDUB30).....	1,182.02	
27 29 00 00-2174 EA PDU Dual Source Hot Swap 200-240V 10A C13 C14 8 Outlet 2U RM (Tripp Lite PDUBHV10).....	555.83	
27 29 00 00-2175 EA PDU Dual Source Hot Swap 200-240V 16A C13 C19 8 Outlet 2U RM (Tripp Lite PDUBHV20).....	664.89	
27 29 00 00-2176 EA PDU Basic Dual Volt 100-240V 20A 2 C19; 12 C13 Outlet 1U 0U RM (Tripp Lite PDUH20DV).....	344.76	
27 29 00 00-2177 EA PDU Basic 208V / 240V 20A C19 C13 14 Outlet L6-20P 1U RM (Tripp Lite PDUH20HVL6).....	344.76	
27 29 00 00-2178 EA 120 Volt, 15 Amperes (13) 5-15R AC Receptacles (1) 15 Amperes Circuit Breaker 5-15P Input Plug 15 ft. Cord (Tripp Lite PDUMH15).....	277.92	
27 29 00 00-2179 EA 120 Volt, 15 Amperes (8) 5-15R AC Receptacles (1) 15 Amperes Circuit Breaker 5-15P,C-13 Input Plug 12 ft. Cord (Tripp Lite PDUMH15AT).....	911.14	
27 29 00 00-2180 EA Digital Power Distribution Unit PDU 8 NEMA 5-15R 15A And Web Card (Tripp Lite PDUMH15ATNET).....	1,491.60	
27 29 00 00-2181 EA 208/230 Volt, 15 Amperes (8) C13 AC Receptacles C14 Input Plug 6.5 ft. Cord (Tripp Lite PDUMH15HVNET).....	1,129.25	
27 29 00 00-2182 EA PDU Switched 120V 15A 5-15R 16 Outlet 1U RM (Tripp Lite PDUMH15NET).....	1,266.45	
27 29 00 00-2183 EA Digital Power Distribution Unit 1U RM PDU 12 NEMA5-15/20R 20A (Tripp Lite PDUMH20).....	401.04	
27 29 00 00-2184 EA 120 Volt, 20 Amperes (16) 5-15R/20R AC Receptacles (1) 20 Amperes Circuit Breaker 5-20P,C-19 Input Plug 12 ft. Cord (Tripp Lite PDUMH20AT).....	1,171.47	
27 29 00 00-2185 EA Digital Power Distribution Unit PDU 16 NEMA 5-15/20R 20A And Web Card (Tripp Lite PDUMH20ATNET).....	1,692.12	
27 29 00 00-2186 EA PDU Metered 200-240V 20A 8 C13; 2 C19 Outlet L6-20P 1U RM (Tripp Lite PDUMH20HV).....	446.78	
27 29 00 00-2187 EA PDU Metered ATS 200V-240V 20A 8 C13; 2 C19 2 C20 Horizontal 1URM (Tripp Lite PDUMH20HVAT).....	1,090.56	
27 29 00 00-2188 EA Power Distribution Unit Switched With ATS 200 Volt - 240 Volt, 16 Amperes C13 / C19 10 Outlet 1U RM (Tripp Lite PDUMH20HVATNET).....	2,096.68	
27 29 00 00-2189 EA 208/230 Volt, 20 Amperes (8) C13 AC Receptacles C20/L6-20P Input Plug 8.5 ft. Cord (Tripp Lite PDUMH20HVNET).....	1,481.04	
27 29 00 00-2190 EA PDU Switched 120V 20A 5-15/20R 16 Outlet 1U RM (Tripp Lite PDUMH20NET).....	1,424.76	
27 29 00 00-2191 EA PDU Metered 120V 30A 5-15/20R 12 Outlet L5-30P 1U RM (Tripp Lite PDUMH30).....	657.85	
27 29 00 00-2192 EA PDU Metered ATS 120V 30A 24 5-15/20R; 1 L5-30R 2URM (Tripp Lite PDUMH30AT).....	1,537.33	
27 29 00 00-2193 EA PDU Switched ATS 120V 30A 24 5-15/20R; 1 L5-30R 2URM (Tripp Lite PDUMH30ATNET).....	2,339.42	
27 29 00 00-2194 EA PDU Metered 208/240V 24A L6-30P 16 C13; 2 C19 Outlet 2U RM (Tripp Lite PDUMH30HV).....	970.95	
27 29 00 00-2195 EA PDU Switched 208V - 240V 30A C13 / C19 14 Outlet 2U RM (Tripp Lite PDUMH30HV19NET).....	2,036.88	
27 29 00 00-2196 EA PDU Metered ATS 208/240V 30A 16 C13; 2 C19; 1 L6-30R 2U RM (Tripp Lite PDUMH30HVAT).....	1,625.28	
27 29 00 00-2197 EA PDU Switched ATS 208/240V 30A 16 C13; 2 C19; 1 L6-30R 2U RM (Tripp Lite PDUMH30HVATNET).....	2,663.07	
27 29 00 00-2198 EA 208 Volt, 30 Amperes (16) C13 AC Receptacles (2) 15 Amperes Circuit Breakers L6-30P Input Plug 10 ft. Cord (Tripp Lite PDUMH30HVNET).....	1,934.86	
27 29 00 00-2199 EA 120 Volt, 30 Amperes (16) 5-15/20R AC Receptacles (2) 20 Amperes Circuit Breakers L5-30P Input Plug 10 ft. Cord (Tripp Lite PDUMH30NET).....	1,790.62	
27 29 00 00-2200 EA PDU Metered 230V 7.3kWA 32A IEC-309 16 C13; 2 C19 2U RM (Tripp Lite PDUMH32HV).....	780.98	
27 29 00 00-2201 EA PDU Switched 230V 32A 7.3kWA IEC-309 16 C13 Outlet 2U RM (Tripp Lite PDUMH32HVNET).....	1,973.55	
27 29 00 00-2202 EA PDU Monitored 120 Volt 15 Amperes (8) 5-15R AC Receptacles 5-15P Input Plug 12ft. Cord (Tripp Lite PDUMNH15).....	921.70	
27 29 00 00-2203 EA PDU Monitored 120 Volt 20 Amperes (8) 5-15 / 20R AC Receptacles 5-20P / L5-20P Input Plug 12 ft. Cord (Tripp Lite PDUMNH20).....	1,058.89	
27 29 00 00-2204 EA PDU Monitored 208-240V 20A C13 8 Outlet L6-20P 1U RM (Tripp Lite PDUMNH20HV).....	1,020.20	
27 29 00 00-2205 EA PDU Monitored 120V 30A 5-15/20R 16 Outlet 2U RM (Tripp Lite PDUMNH30).....	1,621.76	
27 29 00 00-2206 EA PDU Monitored 208/240V 30A L6-30P 12 C13; 4 C19 Outlet 2U RM (Tripp Lite PDUMNH30HV).....	1,642.87	
27 29 00 00-2207 EA PDU Monitored 230V 7.3kWA 32A IEC-309 12 C13; 4 C19 2U RM (Tripp Lite PDUMNH32HV).....	1,663.98	
27 29 00 00-2208 EA Digital Power Distribution Unit, 120 Volt, 15 Amperes, Vertical With Real Time Remote Monitoring (Tripp Lite PDUMNV15).....	981.50	
27 29 00 00-2209 EA Digital Power Distribution Unit, 120 Volt, 20 Amperes, Vertical PDU With Real Time Remote Monitoring (Tripp Lite PDUMNV20).....	1,090.56	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 29 00 00-2210	EA	Digital Power Distribution Unit, 208/240 Volt, 20 Amperes, Vertical PDU With Real Time Remote Monitoring (Tripp Lite PDUMNV20HV).....	1,097.59	
27 29 00 00-2211	EA	PDU Monitored 200V-240V 20A 18 C13; 2 C19 C20 Vertical 0URM (Tripp Lite PDUMNV20HV2).....	1,196.09	
27 29 00 00-2212	EA	Digital Power Distribution Unit, 120 Volt, 30 Amperes, Vertical PDU With Real Time Remote Monitoring (Tripp Lite PDUMNV30).....	1,182.02	
27 29 00 00-2213	EA	Digital Power Distribution Unit, 208/240 Volt, 30 Amperes Vertical With/ Real Time Remote Monitoring (Tripp Lite PDUMNV30HV).....	1,393.10	
27 29 00 00-2214	EA	PDU Monitored 208V / 240V 30A 36 C13; 6 C19 Outlet Vertical 0URM (Tripp Lite PDUMNV30HV2).....	1,477.53	
27 29 00 00-2215	EA	120 Volt, 15 Amperes (16) 5-15R AC Receptacles (1) 15 Amperes Circuit Breaker 5-15P Input Plug 15 ft. Cord (Tripp Lite PDUMV15).....	316.61	
27 29 00 00-2216	EA	120 Volt, 15 Amperes (16) 5-15/20R AC Receptacles 5-15P Input Plug 10 ft. Cord (Tripp Lite PDUMV15NET).....	1,663.98	
27 29 00 00-2217	EA	120 Volt, 20 Amperes (16) 5-15R/20R AC Receptacles (1) 20 Amperes Circuit Breaker L5-20P Input Plug 15 ft. Cord (Tripp Lite PDUMV20).....	383.45	
27 29 00 00-2218	EA	208/230 Volt, 20 Amperes (32) C13/ (6) C19 AC Receptacles L6-20P Input Plug 10 ft. Cord (Tripp Lite PDUMV20HV).....	548.80	
27 29 00 00-2219	EA	208/230 Volt, 20 Amperes (21) C13/(3) C19 AC Receptacles L6-20P Input Plug 10 ft. Cord (Tripp Lite PDUMV20HVNET).....	1,977.07	
27 29 00 00-2220	EA	PDU Switched 208V - 240V 20A 7 C13; 1 C19 C20 Vertical 0URM (Tripp Lite PDUMV20HVNET2).....	1,758.96	
27 29 00 00-2221	EA	120 Volt, 20 Amperes (24) 5-15/20R AC Receptacles (1) 20 Amperes Circuit Breakers L5-20P/5-20P Input Plug 10 ft. Cord (Tripp Lite PDUMV20NET).....	1,737.85	
27 29 00 00-2222	EA	120 Volt, 30 Amperes (24) 5-15/20R AC Receptacles (2) 20 Amperes Circuit Breakers L5-30P Input Plug 10 ft. Cord (Tripp Lite PDUMV30).....	766.91	
27 29 00 00-2223	EA	208 Volt, 30 (2x15) Amperes (32) C13/ 6 C19 AC Receptacles (2) 15 Amperes Circuit Breakers L6-30P Input Plug 10 ft. Cord (Tripp Lite PDUMV30HV).....	756.35	
27 29 00 00-2224	EA	208 Volt, 30 Amperes (20) C13/ (4) C19 AC Receptacles (2) 15 Amperes Circuit Breakers L6-30P Input Plug 10 ft. Cord (Tripp Lite PDUMV30HVNET).....	2,219.81	
27 29 00 00-2225	EA	120 Volt, 30 Amperes (24) 5-15/20R AC Receptacles (2) 20 Amperes Circuit Breakers L6-30P Input Plug 10 ft. Cord (Tripp Lite PDUMV30NET).....	2,068.54	
27 29 00 00-2226	EA	PDU Switched 230V 30A C13 C19 24 Outlet 0U RM (Tripp Lite PDUMV32HVNET).....	2,216.29	
27 29 00 00-2227	EA	120 Volt, 40(2x20) Amperes 32(2x16) 5-15R/20R AC Receptacles (2) 20 Amperes Circuit Breaker L5-20P,5-20P Input Plug 20 ft. (2x10) Cord (Tripp Lite PDUMV40).....	766.91	
27 29 00 00-2228	EA	PDU Bracket Allows for 90 Degree Installation (Tripp Lite PDUMVROTATEBRKT).....	102.02	
27 29 00 00-2229	EA	100-240 Volt, 20 Amperes (12) C-13/ (2) C19 AC Receptacles (2) 20 Amperes Circuit Breakers C-13, C19, L5- 20 P,L6- 20 P, 5-15P Input Plug 6 ft. Cord (Tripp Lite PDUNV).....	474.92	
27 29 00 00-2230	EA	Rack Enclosure Vertical Installation Kit PDU, Surge, Power Strip (Tripp Lite PDUSIDEBRKT).....	82.08	
27 29 00 00-2231	EA	Basic Power Distribution Unit Vertical PDU 12 NEMA 5-15R 15-Amperes (Tripp Lite PDUV15).....	218.11	
27 29 00 00-2232	EA	PDU Basic 120 Volt 20 Amperes (12) 5-15 / 20R AC Receptacles (1) 20 Amperes Circuit Breaker 5-20P Input Plug 15 ft. Cord (Tripp Lite PDUV20).....	309.58	
27 29 00 00-2233	EA	280 Volt, 30 (2x15) Amperes (32) C-13/ (6) C19 AC Receptacles (2) 15 Amperes Circuit Breakers L6-30P Input Plug 10 ft. Cord (Tripp Lite PDUV30HV).....	714.14	
27 29 00 00-2234	EA	Notebook Peripheral Kit (Keyboard, Mouse and Hub). (Tripp Lite PK3020KB).....	122.74	
27 29 00 00-2235	EA	Notebook Peripheral Kit (Light, Mouse and Hub). (Tripp Lite PK3021L).....	107.88	
27 29 00 00-2236	EA	Notebook Peripheral Kit (Network Cable, Mouse and Hub). (Tripp Lite PK3022ET).....	92.25	
27 29 00 00-2237	EA	Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, 3 line protection, noise filter. 450 joules. Beige Without tabs (Tripp Lite PM6NS).....	59.80	
27 29 00 00-2238	EA	Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, 3 line protection, noise filter. 450 joules. Beige Without tabs (Tripp Lite PM6SN1).....	56.29	
27 29 00 00-2239	EA	500VA Low Profile Tower UPS for Kiosks, POS And PC's (Tripp Lite POS500).....	337.72	
27 29 00 00-2240	EA	DC Power Supply 120 Volt AC Input to 13.8 Volt DC Output For 30 Watt Transmitters 10 Amperes (Tripp Lite PR10).....	237.66	
27 29 00 00-2241	EA	DC Power Supply 120 Volt AC Input to 13.8 Volt DC Output For 40 Watt Transmitters 12 Amperes (Tripp Lite PR12).....	252.51	
27 29 00 00-2242	EA	DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For 50 Watt Transmitters 15 Amperes (Tripp Lite PR15).....	360.20	
27 29 00 00-2243	EA	DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For 60 Watt Transmitters 20 Amperes (Tripp Lite PR20).....	389.90	
27 29 00 00-2244	EA	DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For 75/100 Watt Transmitters 25 Amperes (Tripp Lite PR25).....	490.16	
27 29 00 00-2245	EA	DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For Home Use 3 Amperes (Tripp Lite PR3).....	98.40	
27 29 00 00-2246	EA	DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output for Home Use 3 Amperes (Tripp Lite PR3/UL).....	152.25	
27 29 00 00-2247	EA	DC Power Supply 120 Volt AC Input to 13.8 Volt DC Output for 125 Watt Transmitters 30 Amperes (Tripp Lite PR30).....	512.44	
27 29 00 00-2248	EA	DC Power Supply 120 Volt AC Input to 13.8 Volt DC Output for Home Use 4.5 Amperes (Tripp Lite PR4.5).....	118.83	
27 29 00 00-2249	EA	DC Power Supply 120 Volt AC Input to 13.8 Volt DC Output for 150/200 Watt Transmitters 40 Amperes (Tripp Lite PR40).....	655.41	
27 29 00 00-2250	EA	DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For 225 Watt Transmitters 50 Amperes (Tripp Lite PR50).....	735.25	
27 29 00 00-2251	EA	DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For 250/300 Watt Transmitters 60 Amperes (Tripp Lite PR60).....	861.50	
27 29 00 00-2252	EA	DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output for Home Use 7 Amperes (Tripp Lite PR7).....	166.12	
27 29 00 00-2253	EA	EZ Presenter (Tripp Lite PR-EZ1).....	112.38	
27 29 00 00-2254	EA	Pro Presenter (Tripp Lite PR-PRO3).....	195.44	
27 29 00 00-2255	EA	Keyspan Presentation Remote Pro 4 w Gyro Mouse, Laser And Audio (Tripp Lite PR-PRO4).....	247.04	
27 29 00 00-2256	EA	Presentation Remote (Tripp Lite PR-US2).....	153.42	
27 29 00 00-2257	EA	8 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite PS2408).....	115.70	
27 29 00 00-2258	EA	12 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite PS3612).....	125.08	
27 29 00 00-2259	EA	12 outlets Hardwired Multiple Outlet Strip 20-Amperes (Tripp Lite PS3612-20HW).....	118.83	
27 29 00 00-2260	EA	Power Strip 120V 5-15R 4 Outlet 10ft Cord 5-15P (Tripp Lite PS410).....	34.40	
27 29 00 00-2261	EA	Power Strip Hospital Grade 4 Outlet UL1363A 3ft-10ft Coiled Cord (Tripp Lite PS-410-HGOEMCC).....	265.80	
27 29 00 00-2262	EA	Power Strip Medical Cord Wrap Drip Shield 4 Outlet 10ft Cord (Tripp Lite PS410HGOEMX).....	300.00	
27 29 00 00-2263	EA	Power Distribution Strip. 15 ft. cord. 4 hospital-grade outlets and hospital-grade plug. (Tripp Lite PS-415-HG).....	179.80	
27 29 00 00-2264	EA	Power Distribution Strip. 15 ft. cord. 4 hospital-grade outlets and hospital-grade plug. Mounting tabs. (Tripp Lite PS-415-HG-OEM).....	179.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2265 EA Power Distribution Strip. 15 ft. cord. 4 hospital-grade outlets (with hospital-grade FAULT PROTECTION GFCI) and hospital-grade plug. (Tripp Lite PS-415-HGULTRA).....	261.89	
27 29 00 00-2266 EA 16 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite PS4816).....	143.84	
27 29 00 00-2267 EA 4 Port USB Print Server (Tripp Lite PS-4A).....	281.43	
27 29 00 00-2268 EA Relocatable Power Taps, 6 outlets, 4' cord, Plastic-Duplex Series, master on/off switch. White color Without tabs (Tripp Lite PS6).....	19.70	
27 29 00 00-2269 EA 20 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite PS6020).....	165.73	
27 29 00 00-2270 EA Power Distribution Strip. 1½ ft. cord. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite PS-602-HG).....	127.04	
27 29 00 00-2271 EA Power Distribution Strip. 6 ft. cord. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite PS-606-HG).....	199.35	
27 29 00 00-2272 EA Power Strip 120V 5-15R 6 Outlet 15ft Cord 5-15P (Tripp Lite PS615).....	52.38	
27 29 00 00-2273 EA Power Distribution Strip. 15 ft. cord. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite PS-615-HG).....	211.08	
27 29 00 00-2274 EA Power Distribution Strip. 15 ft. cord. 6 hospital-grade outlets and hospital-grade plug. Mounting tabs. (Tripp Lite PS-615-HG-OEM).....	211.08	
27 29 00 00-2275 EA Power Strip 120V 5-15R 7 Outlet 12ft Cord 5-15P Black (Tripp Lite PS712B).....	50.03	
27 29 00 00-2276 EA 24 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite PS7224).....	175.11	
27 29 00 00-2277 EA 24 outlets 15' cord Multiple Outlet Strip 20 -Amperes (Tripp Lite PS7224-20).....	243.91	
27 29 00 00-2278 EA 24 outlets Hardwired Multiple Outlet Strip 20 -Amperes (Tripp Lite PS7224-20HW).....	200.13	
27 29 00 00-2279 EA 24 outlets 15' cord Multiple Outlet Strip with Locking Plug 20 -Amperes (Tripp Lite PS7224-20T).....	259.54	
27 29 00 00-2280 EA Medical Power Strip Mounting Clamp Drip Shield And Cord Management (Tripp Lite PSCLAMP).....	304.89	
27 29 00 00-2281 EA 12V DC to AC Permanent Mount Inverter with User-Supplied Cables 1000 continuous wattage 1500 instantaneous wattage 4 ac outlets (Tripp Lite PV1000HF).....	644.95	
27 29 00 00-2282 EA 12V DC to AC Inverter Plus with Charge/Load LED's 1250 continuous wattage 1875 overpower wattage 2500 doubleboost wattage 2 ac outlets (Tripp Lite PV1250FC).....	844.30	
27 29 00 00-2283 EA 12V DC to AC Portable Inverter with DC Auto Power Outlet 150 continuous wattage 300 instantaneous wattage 1 ac outlet (Tripp Lite PV150).....	91.86	
27 29 00 00-2284 EA PV 1,800 Watt, 12 Volt DC To AC, 120 Volt Inverter With 2 GFCI Outlets (Tripp Lite PV1800GFCI).....	1,004.56	
27 29 00 00-2285 EA 12V DC to AC Permanent Mount Inverter with User-Supplied Cables 1800 continuous wattage 2700 instantaneous wattage 4 ac outlets (Tripp Lite PV1800HF).....	902.93	
27 29 00 00-2286 EA 12V DC to AC Inverter Plus with Charge/Load LED's 2000 continuous wattage 3000 overpower wattage 4000 doubleboost wattage 2 ac outlets (Tripp Lite PV2000FC).....	1,371.99	
27 29 00 00-2287 EA 24 Volt DC to AC Inverter Plus with Charge/Load LED's 2400 continuous wattage 3600 overpower wattage 4800 doubleboost wattage 2 ac outlets (Tripp Lite PV2400FC).....	1,606.52	
27 29 00 00-2288 EA 12V DC to AC Permanent Mount Inverter with User-Supplied Cables 3000 continuous wattage 6000 instantaneous wattage 4 ac outlets (Tripp Lite PV3000).....	1,391.53	
27 29 00 00-2289 EA PV 3000W 12V DC to AC Inverter Plus with 4 GFCI Outlets (Tripp Lite PV3000GFCI).....	1,915.31	
27 29 00 00-2290 EA 12V DC to AC Portable Inverter with DC Auto Power Outlet 375 continuous wattage 600 instantaneous wattage 2 ac outlets (Tripp Lite PV375).....	144.63	
27 29 00 00-2291 EA 12V DC to AC Portable Inverter with User-Supplied Cables 700 continuous wattage 1400 instantaneous wattage 3 ac outlets (Tripp Lite PV700HF).....	269.71	
27 29 00 00-2292 EA 375W Portable PowerVertter Ultra Compact 230V Universal Outlet (Tripp Lite PVINT375).....	164.17	
27 29 00 00-2293 EA Battery Cartridge for Select APC UPS Models (Tripp Lite RBC11A).....	852.74	
27 29 00 00-2294 EA Battery Cartridge for Select APC UPS Models (Tripp Lite RBC12A).....	862.24	
27 29 00 00-2295 EA Battery Cartridge for Select Tripp Lite Models (Tripp Lite RBC24-SLT).....	369.38	
27 29 00 00-2296 EA Battery Cartridge for Select Tripp Lite Smart Online Tower UPS (Tripp Lite RBC24-SUTWR).....	351.79	
27 29 00 00-2297 EA Battery Cartridge for Select APC UPS Models (Tripp Lite RBC2A).....	96.04	
27 29 00 00-2298 EA Battery Cartridge for Select Tripp Lite Models (Tripp Lite RBC36-SLT).....	443.26	
27 29 00 00-2299 EA Battery Cartridge for Select Tripp Lite Smart Online Tower UPS (Tripp Lite RBC48-SUTWR).....	659.61	
27 29 00 00-2300 EA Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC49-2U).....	615.64	
27 29 00 00-2301 EA Battery Cartridge for Select APC UPS Models (Tripp Lite RBC4A).....	153.73	
27 29 00 00-2302 EA Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC51).....	126.65	
27 29 00 00-2303 EA 192 Volt DC Replacement Battery Cartridge select Online UPS 4U (Tripp Lite RBC5-192).....	1,758.96	
27 29 00 00-2304 EA Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC52).....	102.02	
27 29 00 00-2305 EA Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC53).....	365.86	
27 29 00 00-2306 EA Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC54).....	510.10	
27 29 00 00-2307 EA 48 Volt DC Replacement Battery Cartridge for select UPS 2URM (Tripp Lite RBC58-2U).....	1,020.20	
27 29 00 00-2308 EA Battery Cartridge for Select APC UPS Models (Tripp Lite RBC5A).....	176.25	
27 29 00 00-2309 EA Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC62-1U).....	253.29	
27 29 00 00-2310 EA Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC64-1U).....	329.82	
27 29 00 00-2311 EA Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC69-1U).....	415.11	
27 29 00 00-2312 EA Battery Cartridge for Select APC UPS Models (Tripp Lite RBC6A).....	368.68	
27 29 00 00-2313 EA Battery Cartridge for Select APC UPS Models (Tripp Lite RBC7A).....	443.26	
27 29 00 00-2314 EA Battery Cartridge for Select APC UPS Models (Tripp Lite RBC8A).....	471.05	
27 29 00 00-2315 EA Battery Cartridge for Select Tripp Lite Smart Online Rackmount UPS (Tripp Lite RBC9-192).....	2,040.39	
27 29 00 00-2316 EA Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC92-2U).....	348.27	
27 29 00 00-2317 EA Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC93-2U).....	478.44	
27 29 00 00-2318 EA Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC94-2U).....	659.61	
27 29 00 00-2319 EA Battery Cartridge for Select Tripp Lite And Other Major UPS Brand (Tripp Lite RBC94-3U).....	569.90	
27 29 00 00-2320 EA 72 Volt DC Replacement Battery Cartridge Select Online UPS 2U (Tripp Lite RBC96-2U).....	703.58	
27 29 00 00-2321 EA Battery Cartridge for Select Tripp Lite Models (Tripp Lite RBC96-3U).....	654.33	
27 29 00 00-2322 EA Programmable Relay I/O Card for Smart Online And Pro UPS (Tripp Lite RELAYIOCARD).....	586.32	
27 29 00 00-2323 EA UPS Internal Contact Closure Management Accessory Card (Tripp Lite RELAYIOMINI).....	390.88	
27 29 00 00-2324 EA 6 (front panel) outlets 19" length, 1U, 15-ampere rackmount, locking switch cover, 15 ft. cord (Tripp Lite RS-0615-F).....	150.10	
27 29 00 00-2325 EA 6 (rear panel) outlets 19" length, 1U, 15-ampere rackmount, locking switch cover, 15 ft. cord (Tripp Lite RS-0615-R).....	150.10	
27 29 00 00-2326 EA 12 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite RS-1215).....	150.10	
27 29 00 00-2327 EA 12 outlets 15' cord Multiple Outlet Strip 20 -Amperes (Tripp Lite RS1215-20).....	197.00	
27 29 00 00-2328 EA 12 Outlets 15' Cord Multiple Outlet Strip With Locking Plug 20 Amperes (Tripp Lite RS-1215-20T).....	225.15	
27 29 00 00-2329 EA Rackmount Power Distribution Strip. 15 ft. cord. 12 hospital-grade outlets (6 front/6 rear) and hospital-grade plug. (Tripp Lite RS1215-HG).....	308.80	
27 29 00 00-2330 EA 12 outlets 15' cord Multiple Outlet Strip 15-Amperes Right-Angled (Tripp Lite RS1215-RA).....	150.10	
27 29 00 00-2331 EA RV 1200W 12V DC to AC Inverter with Isobar Surge UL Tested Hardwired (Tripp Lite RV1250ULHW).....	1,361.44	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 29 00 00-2332	EA		Internal/External SCSI 160 LVD Ribbon Cable HD68M/F(w Bracket) - 21" (Tripp Lite S051-211) .....	31.27	
27 29 00 00-2333	EA		Internal SCSI 160 2-Drive LVD/SE Ribbon Cable w Terminator 3xHD68M - 22" (Tripp Lite S052-211) .....	78.18	
27 29 00 00-2334	EA		Internal SCSI 160 3-Drive Ribbon Cable w Terminator 4xHD68M - 36" (Tripp Lite S053-361) .....	100.07	
27 29 00 00-2335	EA		Internal SCSI 160 4-Drive Ribbon Cable w Terminator 5xHD68M - 45" (Tripp Lite S054-451) .....	126.33	
27 29 00 00-2336	EA		Internal SCSI 160 5-Drive LVD/SE Ribbon Cable w Terminator 6xHD68M - 38" (Tripp Lite S055-381) .....	150.10	
27 29 00 00-2337	EA		External Active SCSI II Single-end Terminator - HD50M (Tripp Lite S122-000) .....	15.64	
27 29 00 00-2338	EA		External SCSI Ultra320 LVD Active Terminator - HD68M (Tripp Lite S140-000) .....	125.08	
27 29 00 00-2339	EA		External SCSI Ultra320 LVD Active Terminator - VHDCI68M (Tripp Lite S142-000) .....	134.46	
27 29 00 00-2340	EA		Internal SCSI Adapter HD68F/50F Socket IDC (Tripp Lite S212-000) .....	12.51	
27 29 00 00-2341	EA		External SCSI II Adapter HD50M/DB25F (Tripp Lite S236-000) .....	5.63	
27 29 00 00-2342	EA		SCSI II Cable HD50M/DB25M - 6' (Tripp Lite S362-006) .....	19.54	
27 29 00 00-2343	EA		SCSI II Cable HD50M/M - 6' (Tripp Lite S366-006) .....	56.29	
27 29 00 00-2344	EA		SCSI III Cable HD68M/M - 6' (Tripp Lite S404-006) .....	62.54	
27 29 00 00-2345	EA		SCSI III to II Cable HD50M/HD68M - 6' (Tripp Lite S410-006) .....	46.91	
27 29 00 00-2346	EA		SCSI III Cable VHDCI68M/HD50M - 6' (Tripp Lite S442-006) .....	78.18	
27 29 00 00-2347	EA		SCSI III Cable VHDCI68M/HD68M - 6' (Tripp Lite S444-006) .....	87.56	
27 29 00 00-2348	EA		SCSI III Cable VHDCI68M/M - 6' (Tripp Lite S446-006) .....	90.68	
27 29 00 00-2349	EA		SCSI Ultra2/U160/U320 LVD/SE Cable HD68M/M - 10' (Tripp Lite S450-010) .....	118.83	
27 29 00 00-2350	EA		SCSI Ultra2/U160/U320 LVD/SE Cable Offset -VHDCI68M/HD68M - 6' (Tripp Lite S454-006) .....	153.22	
27 29 00 00-2351	EA		SCSI Ultra2/U160/U320 LVD/SE Cable - CHDC168(M) / HD68(M) - 3' (Tripp Lite S455-003) .....	118.83	
27 29 00 00-2352	EA		SCSI Ultra2/U160/U320 LVD/SE Cable VHDCI68M/HD68M - 6' (Tripp Lite S455-006) .....	131.34	
27 29 00 00-2353	EA		SCSI Ultra2/U160/U320 LVD/SE Cable VHDCI68M/HD68M - 10' (Tripp Lite S455-010) .....	162.61	
27 29 00 00-2354	EA		SCSI Ultra2/U160/U320 LVD/SE Cable Offset -VHDCI68M/M - 3' (Tripp Lite S456-003) .....	156.35	
27 29 00 00-2355	EA		SCSI Ultra2/U160/U320 LVD/SE Cable VHDCI68M/M - 6' (Tripp Lite S457-006) .....	134.46	
27 29 00 00-2356	EA		SCSI Ultra2/U160/U320 LVD/SE Cable VHDCI68M/M - 10' (Tripp Lite S457-010) .....	162.61	
27 29 00 00-2357	EA		1 Meter (3') SAS Cable - SFF-8484 (Tripp Lite S500-01M) .....	70.36	
27 29 00 00-2358	EA		24" Internal 4 Lane SAS Cable SFF-8484 to 4 x SFF-8482 TAA / GSA (Tripp Lite S501-24N) .....	88.81	
27 29 00 00-2359	EA		1 Meter (3') SAS Cable - SFF-8484/ x4 Pin Straight (F) (Tripp Lite S502-01M) .....	62.54	
27 29 00 00-2360	EA		Internal SAS 4-in-1 to 4x1 Cable, 32P to 4x7P - 20IN (Tripp Lite S502-20N) .....	46.91	
27 29 00 00-2361	EA		24" Int 4 Lane Mini SAS Cable , SAS SFF-8087 to 4 x SFF-8482 TAA (Tripp Lite S504-24N) .....	78.18	
27 29 00 00-2362	EA		Internal SAS mSAS (SFF-8087) to mSAS (SFF-8087) 36P/36P Cable - 3' (Tripp Lite S506-003) .....	84.43	
27 29 00 00-2363	EA		Internal SAS mSAS (SFF-8087) to mSAS (SFF-8087) 36P/36P Cable - 18" (Tripp Lite S506-18N) .....	75.05	
27 29 00 00-2364	EA		Internal SAS mSAS (SFF-8087) to (4) SATA (SFF-8482) 36P/(4) 7P Cable - 3' (Tripp Lite S508-003) .....	75.05	
27 29 00 00-2365	EA		Internal SAS mSAS (SFF-8087) to (4) SATA (SFF-8482) 36P/(4) 7P Cable - 18" (Tripp Lite S508-18N) .....	71.92	
27 29 00 00-2366	EA		Internal SAS mSAS (SFF-8087) to 4-in-1 (SFF-8484) 36P/32P Cable - 3' (Tripp Lite S510-003) .....	112.57	
27 29 00 00-2367	EA		Internal SAS mSAS (SFF-8087) to 4-in-1 (SFF-8484) 36P/32P Cable - 18" (Tripp Lite S510-18N) .....	96.94	
27 29 00 00-2368	EA		1 Meter External SAS Cable, SFF-8088 to SFF-8470 (Tripp Lite S520-01M) .....	203.26	
27 29 00 00-2369	EA		External SAS Cable - 4 Lane - mSAS (SFF-8088) to 4xInfiniband (SFF-8470) - 2m (Tripp Lite S520-02M) .....	312.70	
27 29 00 00-2370	EA		External SAS Cable - 4 Lane - mSAS (SFF-8088) to 4xInfiniband (SFF-8470) - 3m (Tripp Lite S520-03M) .....	406.52	
27 29 00 00-2371	EA		1 Meter External SAS Cable, SFF-8470 to SFF-8470 (Tripp Lite S522-01M) .....	203.26	
27 29 00 00-2372	EA		External SAS Cable - 4 Lane - 4xInfiniband (SFF-8470) to 4xInfiniband (SFF-8470) - 2m (Tripp Lite S522-02M) .....	343.97	
27 29 00 00-2373	EA		External SAS Cable - 4 Lane - 4xInfiniband (SFF-8470) to 4xInfiniband (SFF-8470) - 3m (Tripp Lite S522-03M) .....	437.79	
27 29 00 00-2374	EA		1-Meter External SAS Cable, SFF-8088 to SFF-8088 (Tripp Lite S524-01M) .....	218.89	
27 29 00 00-2375	EA		External SAS Cable - 4 Lane - mSAS (SFF-8088) to mSAS (SFF-8088) - 2m (Tripp Lite S524-02M) .....	312.70	
27 29 00 00-2376	EA		External SAS Cable - 4 Lane - mSAS (SFF-8088) to mSAS (SFF-8088) - 3m (Tripp Lite S524-03M) .....	390.88	
27 29 00 00-2377	EA		Fibre/SCSI RAID Cable HSSDCM/DB9M - 5M (Tripp Lite S804-05M) .....	234.53	
27 29 00 00-2378	EA		Security Device for Automatic Shutdown of Notebook. (Tripp Lite SEC4002RF) .....	114.92	
27 29 00 00-2379	EA		Surge Protector Wallmount Direct Plug In 3 Outlet 660 Joules (Tripp Lite SK3-0) .....	16.42	
27 29 00 00-2380	EA		Surge Protector Wallmount Direct Plug In 5 Outlet RJ11 1080 Jls (Tripp Lite SK5TEL-0) .....	31.27	
27 29 00 00-2381	EA		6 outlets direct plug-in cord 360 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite SK6-0/SPIKEBLOK) .....	43.00	
27 29 00 00-2382	EA		Holds 4 transformers (Black) (Tripp Lite SK6-0B) .....	43.00	
27 29 00 00-2383	EA		8 outlets 8' cord 1200 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite SK6-6/SPIKEBAR) .....	82.08	
27 29 00 00-2384	EA		TAA Compliant 1000VA UPS Smart Pro Rack/Tower 6 outlets (Tripp Lite SM1000RM2UTAA) .....	1,583.06	
27 29 00 00-2385	EA		1000VA NAFTA Smart Pro Line-Int UPS Rackmount 6 outlets (Tripp Lite SM1000RMNAFTA) .....	1,618.24	
27 29 00 00-2386	EA		1050VA NAFTA Smart Pro Line-Int UPS Tower 6 outlets (Tripp Lite SM1050NAFTA) .....	1,329.77	
27 29 00 00-2387	EA		TAA Compliant 1500VA UPS Smart Pro Rack/Tower 8 outlets (Tripp Lite SM1500RMXL2UTAA) .....	2,205.74	
27 29 00 00-2388	EA		2200VA NAFTA Smart Pro Line-Int UPS Tower 6 outlets (Tripp Lite SM2200NAFTA) .....	2,392.19	
27 29 00 00-2389	EA		2200VA UPS Dual Voltage 120V - 230V TAA / GSA (Tripp Lite SM2200RMDVTAA) .....	5,181.90	
27 29 00 00-2390	EA		2200VA NAFTA Smart Pro Line-Int UPS Rackmount 9 outlets (Tripp Lite SM2200RMNAFTA) .....	3,018.38	
27 29 00 00-2391	EA		TAA Compliant 2200VA UPS Smart Pro Rack/Tower 8 outlets (Tripp Lite SM2200RMXL2UTAA) .....	3,123.91	
27 29 00 00-2392	EA		3000VA NAFTA Smart Pro Line-Int UPS Tower 8 outlets (Tripp Lite SM3000NAFTA) .....	3,437.01	
27 29 00 00-2393	EA		3000VA NAFTA Smart Pro Line-Int UPS Rackmount 9 outlets (Tripp Lite SM3000RMNAFTA) .....	3,391.27	
27 29 00 00-2394	EA		TAA Compliant 3000VA UPS Smart Pro Rack/Tower 9 outlets (Tripp Lite SM3000RMXL2UTAA) .....	3,651.60	
27 29 00 00-2395	EA		5000VA UPS Smart 120V - 208V 5kVA Ext USB DB9 6U RM TAA / GSA (Tripp Lite SM5000RT3UTAA) .....	11,222.16	
27 29 00 00-2396	EA		500VA NAFTA Smart Pro Line-Int UPS Rackmount 7 outlets (Tripp Lite SM500RMNAFTA) .....	721.17	
27 29 00 00-2397	EA		550VA NAFTA Smart Pro Line-Int UPS Tower 6 outlets (Tripp Lite SM550UNAFATA) .....	394.01	
27 29 00 00-2398	EA		750VA NAFTA Smart Pro Line-Int UPS Tower 6 outlets (Tripp Lite SM750UNAFATA) .....	510.10	
27 29 00 00-2399	EA		1050VA UPS System SmartPro Tower Line-Interactive 120V 6 Outlet - 1050 VA, 1 USB (Tripp Lite SMART 1050NET) .....	974.46	
27 29 00 00-2400	EA		2200VA UPS System SmartPro Tower Network Line-Interactive 120V 6 Outlet - 2200 VA, 1 RS-232, 2 Contact Closure (Tripp Lite SMART 2200NET) .....	2,314.79	
27 29 00 00-2401	EA		3000VA UPS System SmartPro Tower Network Line-Interactive 3kVA 120 Volt 8 Outlet - 3000 VA 1 RS-232, 2 Contact Closure (Tripp Lite SMART 3000NET) .....	2,990.23	
			Note: Use BP24V33 for Extended Run		
27 29 00 00-2402	EA		700VA UPS System SmartPro Hospital Grade Tower Line-Interactive 120V 4 Outlet - 700 VAUL 60601-1 Listed, 1 RS-232, 1 USB (Tripp Lite SMART 700HG) .....	1,723.78	
27 29 00 00-2403	EA		1000VA UPS System SmartPro Rack/Shelf/Tower Digital LCD Line-Interactive 120V 8 Outlet - 1000 VA, 1 USB, 1 Line Modem/Fax, 1 Line Coax (Tripp Lite SMART1000LCD) .....	446.78	
27 29 00 00-2404	EA		TAA Compliant 1000VA UPS Digital Smart Pro Rack/Tower 8 outlets (Tripp Lite SMART1000LCDTAA) .....	587.49	
27 29 00 00-2405	EA		1000VA UPS System SmartPro Rack/Tower Line-Interactive 120V 6 Outlet - 1000VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1000RM1U) .....	1,597.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2406 EA 1000VA UPS System SmartPro Rack/Tower Line-Interactive 120V 6 Outlet - 1000VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1000RM2U) .....	1,407.17	
27 29 00 00-2407 EA 1050VA UPS System SmartPro Tower Line-Interactive 120 Volt, 8 Outlet And Slot - 1050 VA, 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1050SLT).....	1,143.32	
27 29 00 00-2408 EA TAA Compliant 1050VA UPS Smart Pro Tower 6 outlets And Comm Ports (Tripp Lite SMART1050SLTAA).....	1,266.45	
27 29 00 00-2409 EA 1200VA UPS System SmartPro Rack/Shelf/Tower Digital LCD Line-Interactive 120V 8 Outlet - 1200 VA, 1 USB, 1 DB9, 1 Line Modem/Fax/Ethernet (Tripp Lite SMART1200LCD).....	605.08	
27 29 00 00-2410 EA 1000VA UPS System SmartPro Hospital Grade Extended Run Tower Line-Interactive 120 Volt 4 Outlet - 1000 VAUL 60601-1 Listed, 1 RS-232, 1 USB (Tripp Lite SMART1200XLHG).....	2,235.83	
27 29 00 00-2411 EA 1500VA UPS System SmartPro Tower Line-Interactive 120V 6 Outlet - 1500 VA, 1 RS-232, 1 USB (Tripp Lite SMART1500).....	1,407.17	
27 29 00 00-2412 EA 1500VA UPS Compact 4U RM Smart Pro Line-Interactive 8 outlets 120V (Tripp Lite SMART1500CRMXL).....	2,603.26	
27 29 00 00-2413 EA 1500VA UPS System SmartPro Rack/Shelf/Tower Digital LCD Line-Interactive 120V 8 Outlet - 1500 VA, 1 USB, 1 DB9, 1 Line Modem/Fax/Ethernet (Tripp Lite SMART1500LCD).....	700.07	
27 29 00 00-2414 EA 1500VA 900W UPS Back Up Smart Tower LCD AVR 120V USB Coax RJ45 (Tripp Lite SMART1500LCDT) .....	583.97	
27 29 00 00-2415 EA 1500VA UPS Smart LCD AVR 120V Ext Run USB DB9 RJ11 RJ45 2U RM (Tripp Lite SMART1500LCDXL) .....	879.48	
27 29 00 00-2416 EA 1500VA UPS System SmartPro Rack/Tower Line-Interactive 120V 8 Outlet - 1500VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1500RM2U) .....	1,836.35	
27 29 00 00-2417 EA 1500VA UPS System SmartPro Rack/Tower Extended Run Line-Interactive 120 Volt 8 Outlet - 1500 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1500RMXL2U) .....	2,026.32	
27 29 00 00-2418 EA 1500VA UPS System SmartPro Tower Line-Interactive 120 Volt, 8 Outlet And Slot - 1500 VA, 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1500SLT).....	1,547.88	
27 29 00 00-2419 EA 1500VA UPS System SmartPro Tower Extended Run Line-Interactive 120 Volt 6 Outlet - 1500 VA 1 RS-232, 1 USB (Tripp Lite SMART1500XL).....	1,674.53	
27 29 00 00-2420 EA TAA Compliant 1500VA UPS Smart Pro Tower Ext Run 6 outlets (Tripp Lite SMART1500XLTaA).....	1,829.32	
27 29 00 00-2421 EA 2200VA UPS Compact 4U RM Smart Pro Line-Interactive 8 outlets 120V (Tripp Lite SMART2200CRMXL).....	3,465.15	
27 29 00 00-2422 EA 2200VA UPS Smart Pro Rack/Tower Line-Interactive 8 outlets (Tripp Lite SMART2200RM2U).....	2,754.53	
27 29 00 00-2423 EA 2200VA UPS System SmartPro Rack/Tower Line-Interactive 120 Volt 8 Outlet - 2200 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMART2200RMXL2U) .....	2,831.93	
27 29 00 00-2424 EA 2200VA UPS System SmartPro Tower Line-Interactive 120V 7 Outlet - 2200 VA, 1 USB, 1 DB9, SNMP Slot. (Tripp Lite SMART2200SLT).....	2,367.56	
27 29 00 00-2425 EA TAA Compliant 2200VA UPS Smart Pro Tower 7 outlets And Comm Ports (Tripp Lite SMART2200SLTAA).....	2,610.30	
27 29 00 00-2426 EA 2200VA UPS System SmartPro Tower VS Line-Interactive 120V 9 Outlet - 2200 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMART2200VS).....	2,110.75	
27 29 00 00-2427 EA 2200VA UPS System SmartPro Tower Extended Run Line-Interactive 120 Volt 10 Outlet - 2200 VA 2 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART2200VSXL).....	2,385.15	
27 29 00 00-2428 EA 2600VA UPS System SmartPro Rack/Tower Line-Interactive 120 Volt 9 Outlet - 2600 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMART2600RM2U) .....	3,039.48	
27 29 00 00-2429 EA 3000VA UPS Compact 4U RM Smart Pro Line-Interactive 9 outlets 120V (Tripp Lite SMART3000CRMXL).....	4,158.18	
27 29 00 00-2430 EA 3000VA UPS System SmartPro Rack/Tower Line-Interactive 3kVA 120 Volt 9 Outlet - 3000 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMART3000RM2U) .....	3,190.75	
27 29 00 00-2431 EA 3,000VA Modular UPS Rack/Tower Line-Interactive With Battery Detection 7 Outlets (Tripp Lite SMART3000RMOD2U) .....	3,954.14	
27 29 00 00-2432 EA 3000VA UPS System SmartPro Rack/Tower Line-Interactive 3kVA 120V 9 Outlet USB, serial, EPO, SNMP Slot (Tripp Lite SMART3000RMXL2U) .....	3,247.04	
27 29 00 00-2433 EA 3000VA UPS System SmartPro Tower Line-Interactive 120V 7 Outlet - 3000 VA, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMART3000SLT) .....	3,162.61	
27 29 00 00-2434 EA 3000VA UPS System SmartPro Tower VS Line-Interactive 3kVA 120 Volt 10 Outlet - 3000 VA2 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART3000VS) .....	2,782.67	
27 29 00 00-2435 EA 5000VA UPS System SmartPro Rack/Tower Line-Interactive 5kVA 120/208 Volt Output 14 Outlet - 5000 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMART5000RT-3U) .....	8,896.82	
27 29 00 00-2436 EA 5000VA UPS System SmartPro Rack/Tower Line-Interactive 5kVA 120V/208V Output 5 Outlet TEL - 5000 VA 1 RS-232, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMART5000TEL3U).....	6,852.91	
27 29 00 00-2437 EA 5000VA UPS System SmartPro Rack/Tower Line-Interactive 5kVA 120/208 Volt Output 11 Outlet - 5000 VA 1 RS-232, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMART5000XFMRXL) .....	8,559.10	
27 29 00 00-2438 EA 500VA UPS System SmartPro Rack/Tower Line-Interactive 120V 7 Outlet - 500VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART500RT1U) .....	555.83	
27 29 00 00-2439 EA 550VA UPS System SmartPro Tower USB Line-Interactive 120V 6 Outlet - 550 VA, 1 USB, 1 Line Modem/Fax (Tripp Lite SMART550USB) .....	355.31	
27 29 00 00-2440 EA TAA Compliant 550VA UPS Smart Pro Tower 6 outlets And USB Port (Tripp Lite SMART550USBTAA).....	425.67	
27 29 00 00-2441 EA 550VA UPS System SmartPro Tower USB Line-Interactive 120 Volt, 6 Outlet With Watchdog Software - 550VA, 1 USB, 1 Line Modem/Fax (Tripp Lite SMART550USBWD).....	408.08	
27 29 00 00-2442 EA 700VA UPS System SmartPro Tower Line-Interactive Dual Voltage 6 Outlet 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART700DV).....	2,251.47	
27 29 00 00-2443 EA 700VA UPS System SmartPro Tower Line-Interactive 120 Volt, 6 Outlet And Serial Port - 700 VA, 1 RS-232 (Tripp Lite SMART700SER) .....	766.91	
27 29 00 00-2444 EA 750VA UPS System SmartPro Tower Line-Interactive 120V 6 Outlet. 1 USB (Tripp Lite SMART750) .....	724.69	
27 29 00 00-2445 EA 750VA UPS System SmartPro Rack/Tower Line-Interactive 120V 6 Outlet - 750 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART750RM1U).....	1,248.86	
27 29 00 00-2446 EA 750VA UPS System SmartPro Rack/Tower Extended Run Line-Interactive 120 Volt 6 Outlet - 750VA 1 RS-232, 1 USB, SNMP Slot, (Tripp Lite SMART750RMXL2U) .....	1,287.56	
27 29 00 00-2447 EA 750VA UPS System SmartPro Tower Line-Interactive 120 Volt, 8 Outlet And Slot - 750 VA, 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART750SLT).....	935.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 29 00 00-2448	EA	750VA UPS System SmartPro Tower USB Line-Interactive 120V 6 Outlet - 750 VA, 1 USB, 1 Line Modem/Fax/Ethernet (Tripp Lite SMART750USB) .....	436.22	
27 29 00 00-2449	EA	TAA Compliant 750VA UPS Smart Pro Tower 6 Outlets And USB Port (Tripp Lite SMART750USBTA) .....	488.99	
27 29 00 00-2450	EA	750VA UPS Smart Pro Tower Ext Run Line-Interactive 8 outlets (Tripp Lite SMART750XLA).....	1,164.43	
27 29 00 00-2451	EA	1500VA International UPS System SmartPro Tower Line-Interactive 230V 6 Outlet - 1500 VA, 2 RS-232 (Tripp Lite SMARTINT1500) .....	1,451.92	
27 29 00 00-2452	EA	2200VA International UPS System SmartPro Tower VS Line-Interactive 230V 9 Outlet - 2200 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMARTINT2200VS).....	2,239.16	
27 29 00 00-2453	EA	3000VA International UPS System SmartPro Tower VS Line-Interactive 3kVA 230 Volt 9 Outlet - 3000 VA 2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMARTINT3000VS).....	3,275.18	
27 29 00 00-2454	EA	1000VA International UPS System SmartPro Rack/Tower Digital LCD 230V Line-Interactive 6 Outlet - 1000 VA 1 USB, 1 Line-Modem/Fax, 1 Line Coax (Tripp Lite SMX1000LCD) .....	675.83	
27 29 00 00-2455	EA	1000VA International UPS System SmartPro Rack/Tower Line-Interactive 230V 6 Outlet - 1000 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMX1000RT2U) .....	1,600.46	
27 29 00 00-2456	EA	1050VA International UPS System SmartPro Tower Line-Interactive 230V 8 Outlet - 1000 VA, 1 USB, 1 DB9, SNMP Slot. (Tripp Lite SMX1050SLT).....	1,214.27	
27 29 00 00-2457	EA	1200VA Intl UPS Smart Pro Tower Hospital Grd Extended Run Line-Interactive 6 IEC C13 (Tripp Lite SMX1200XLHG).....	2,101.76	
27 29 00 00-2458	EA	1500VA International UPS System SmartPro Rack/Tower Digital LCD 230V Line-Interactive 6 Outlet - 1500 VA 1 USB, 1 Line-Modem/Fax, 1 Line Coax (Tripp Lite SMX1500LCD) .....	984.04	
27 29 00 00-2459	EA	1500VA International UPS System SmartPro Tower Line-Interactive 230V 8 Outlet - 1500 VA, 1 USB, 1 DB9, SNMP Slot. (Tripp Lite SMX1500SLT).....	1,537.33	
27 29 00 00-2460	EA	1500VA International UPS System SmartPro Rack/Tower Line-Interactive 230 Volt 8 Outlet - 1500 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMX1500XLRT2U) .....	2,183.46	
27 29 00 00-2461	EA	TAA Compliant 2200VA Intl UPS Smart Pro Rack/Tower 8 outlets 230V (Tripp Lite SMX2200RT2UTAA).....	3,390.30	
27 29 00 00-2462	EA	2200VA International UPS System SmartPro Rack/Tower Line-Interactive 230 Volt 8 Outlet - 2200 VA 1 RS-232, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMX2200XLRT2U) .....	3,111.80	
27 29 00 00-2463	EA	TAA Compliant 3000VA Intl UPS Smart Pro Rack/Tower 9 outlets 230V (Tripp Lite SMX3000RT2UTAA).....	4,003.00	
27 29 00 00-2464	EA	3000VA International UPS System SmartPro Rack/Tower Line-Interactive 3kVA 230 Volt 9 Outlet - 3000 VA 2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMX3000XLRT2U) .....	3,676.23	
27 29 00 00-2465	EA	5000VA International UPS System SmartPro Rack/Tower Line-Interactive 5kVA 230 Volt 11 Outlet - 5000 VA 1 RS-232, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMX5000XLRT3U) .....	6,572.65	
27 29 00 00-2466	EA	500VA International UPS System SmartPro Rack/Tower Line-Interactive 230V 6 Outlet - 500 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMX500RT1U) .....	698.11	
27 29 00 00-2467	EA	700VA Intl UPS Smart Pro Tower Hospital Grade Line-Interactive 6 IEC320 C13 (Tripp Lite SMX700HG).....	1,637.59	
27 29 00 00-2468	EA	750VA International UPS System SmartPro Tower Line-Interactive 230V 8 Outlet - 750 VA1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMX750SLT).....	1,010.03	
27 29 00 00-2469	EA	Internal Universal SNMP/Web management accessory card connects UPS to Ethernet. (Tripp Lite SNMPWEBCARD).....	684.04	
27 29 00 00-2470	EA	TAA Compliant Internal SNMP Card for Remote UPS Management (Tripp Lite SNMPWEBCARDTAA) .....	781.76	
27 29 00 00-2471	EA	1 outlets direct plug-in cord 750 joules Protector Ilt Surge Suppressor holds 1 Transformer (Tripp Lite SPIKECUBE) .....	18.29	
27 29 00 00-2472	EA	Surge Protector Hospital Grade 4 Outlet UL60601-1 UL60950-1 (Tripp Lite SPS415HGULTRA).....	394.79	
27 29 00 00-2473	EA	Surge Protector Strip Medical RT Angle Plug 6 Outlet 6ft Cord (Tripp Lite SPS606HGRA) .....	230.62	
27 29 00 00-2474	EA	Surge Protector Strip Medical RT Angle Plug 6 Outlet 10ft Cord (Tripp Lite SPS610HGRA) .....	234.53	
27 29 00 00-2475	EA	Economy Surge Suppressor. 15 ft. cord. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite SPS-615-HG).....	226.71	
27 29 00 00-2476	EA	12U Rack Enclosure Server Cabinet 33" Deep With Doors And Sides (Tripp Lite SR12UB).....	1,583.06	
27 29 00 00-2477	EA	SmartRack 1U Horizontal Brush Strip (Tripp Lite SR1UBRUSH) .....	96.74	
27 29 00 00-2478	EA	SmartRack 10pcs 1U Blanking Panel (Tripp Lite SR1UPANEL10).....	123.13	
27 29 00 00-2479	EA	SmartRack 50pcs 1U Blanking Panel (Tripp Lite SR1UPANEL50).....	386.97	
27 29 00 00-2480	EA	25U Standard Enclosure (black). 24 in. width 42 in. depth (Tripp Lite SR25UB) .....	2,983.20	
27 29 00 00-2481	EA	24" Wide x 42" Deep, SmartRack 25U with Sides 1250lb Load Cap Shock Pallet And Ramp. (Tripp Lite SR25UBSP1).....	3,598.83	
27 29 00 00-2482	EA	TAA Compliant 25U Black Rack Enclosure 3000lb Load Capacity (Tripp Lite SR25UBTAA).....	3,496.81	
27 29 00 00-2483	EA	2-Post Open Frame Rack, Threaded Holes (black). 45U (Tripp Lite SR2POST).....	492.51	
27 29 00 00-2484	EA	SmartRack 2-Post Open Frame Rack (25U) (Tripp Lite SR2POST25).....	457.33	
27 29 00 00-2485	EA	TAA Compliant 45U 2-Post Black Open Frame Rack (Tripp Lite SR2POSTAA) .....	566.39	
27 29 00 00-2486	EA	Side panel for 42U cabinets (Tripp Lite SR42SIDE) .....	228.66	
27 29 00 00-2487	EA	42U Standard Enclosure (black). 24 in. width 42 in. depth (Tripp Lite SR42UB) .....	3,331.47	
27 29 00 00-2488	EA	42U SmartRack Enclosure Co-Location (black, with doors and side panels) 2,250 rolling to 3,000 LB stationary load capacity. 24" width x 37" depth (Tripp Lite SR42UBCL) .....	5,776.42	
27 29 00 00-2489	EA	42U Rack Enclosure Server Cabinet Deep 3000lb Load Capacity (Tripp Lite SR42UBDP) .....	4,664.76	
27 29 00 00-2490	EA	42U Rack Enclosure Server Cabinet Deep/Wide 3000lb Load Capacity (Tripp Lite SR42UBDPWD).....	5,804.57	
27 29 00 00-2491	EA	42U Rack Enclosure Server Cabinet Industrial NEMA 12 Seismic (Tripp Lite SR42UBEIS) .....	6,279.49	
27 29 00 00-2492	EA	42U Standard Enclosure (black, without side panels). 24 in. width 42 in. depth (Tripp Lite SR42UBEXP).....	2,923.39	
27 29 00 00-2493	EA	42U Open Frame Rack Enclosure Server Cabinet 3000lb Capacity (Tripp Lite SR42UBEXPND) .....	2,582.15	
27 29 00 00-2494	EA	42U Rack Enclosure Server Cabinet With Plexiglass Front Door (Tripp Lite SR42UBG) .....	3,799.35	
27 29 00 00-2495	EA	SmartRack 42U Knock-Down Black Rack Enclosure with 2250 to 3000 lb load capacity. 23.63 in. width 43 in. depth (Tripp Lite SR42UBKD) .....	3,050.04	
27 29 00 00-2496	EA	42U Rack Enclosure Shallow Depth w Doors And Sides 3,000 Lb. Capacity (Tripp Lite SR42UBSD) .....	3,394.79	
27 29 00 00-2497	EA	24" Wide x 42" Deep, SmartRack 42U With Sides 2500lb Load Cap Shock Pallet And Ramp. (Tripp Lite SR42UBSP1).....	3,933.03	
27 29 00 00-2498	EA	TAA Compliant 42U Black Rack Enclosure 3000lb Load Capacity (Tripp Lite SR42UBTAA).....	3,943.59	
27 29 00 00-2499	EA	42U Rack Enclosure Server Cabinet Thermal Duct Green Cooling (Tripp Lite SR42UBTD) .....	4,573.30	
27 29 00 00-2500	EA	42U SmartRack Enclosure WIDE (black, with doors and side panels) 2,250 rolling to 3,000 LB stationary load capacity. 29.5" width x 37" depth (Tripp Lite SR42UBWD).....	4,284.83	
27 29 00 00-2501	EA	TAA Compliant 42U Wide Rack Enclosure 3000lb Load Capacity (Tripp Lite SR42UBWDTAA) .....	4,692.91	
27 29 00 00-2502	EA	42U Rack Enclosure Server Cabinet Seismic (Tripp Lite SR42UBZ4).....	6,279.49	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2503 EA 45U Rack Enclosure Server Cabinet Doors And Sides 3,000 Lb. Capacity (Tripp Lite SR45UB).....	3,827.50	
27 29 00 00-2504 EA SmartRack 48U Black Rack Enclosure with 2250 to 3000 lb load capacity. 23.63 in. width 43 in. depth (Tripp Lite SR48UB) .....	4,133.56	
27 29 00 00-2505 EA 48U SmartRack Enclosure Co-Location (black, with doors and side panels) 2,250 rolling to 3,000 LB stationary load capacity. 24" width x 37" depth (Tripp Lite SR48UBCL) .....	7,007.70	
27 29 00 00-2506 EA 48U SmartRack Enclosure Expansion (black, with doors, No side panels) 2250 rolling to 3000lb stationary load capacity. 24 in. width 37 in. depth (Tripp Lite SR48UBEXP) .....	3,433.49	
27 29 00 00-2507 EA SmartRack 48U Rack Enclosure on Shock Pallet with 3,000 LB Load Capacity (Tripp Lite SR48UBSP1) .....	4,791.41	
27 29 00 00-2508 EA TAA Compliant 48U Black Rack Enclosure 3000lb Load Capacity (Tripp Lite SR48UBTAA).....	4,436.10	
27 29 00 00-2509 EA 4-Post Open Frame Rack, Square Holes (black). Adjustable depth. 45U 24-36in. depth (Tripp Lite SR4POST).....	1,111.66	
27 29 00 00-2510 EA 45U 4-Post Open Frame Rack Cabinet Threaded 12-24 Mounted Holes (Tripp Lite SR4POST1224).....	1,231.27	
27 29 00 00-2511 EA SmartRack 4-Post Open Frame Rack (13U) (Tripp Lite SR4POST13).....	770.42	
27 29 00 00-2512 EA 25U 4-Post Open Frame Rack Square Holes 1000lb Capacity (Tripp Lite SR4POST25) .....	1,002.61	
27 29 00 00-2513 EA TAA Compliant 45U 4-Post Black Open Frame Rack (Tripp Lite SR4POSTAA) .....	1,495.12	
27 29 00 00-2514 EA SmartRack Bolt Down Kit (Tripp Lite SRBOLTDOWN).....	105.54	
27 29 00 00-2515 EA Brush Strip Plate for Wallmount Rack Enclosure Server Cabinet (Tripp Lite SRBRUSHWM) .....	105.54	
27 29 00 00-2516 EA SmartRack 1U Horizontal Cable Manager (finger) (Tripp Lite SRCABLEDUCT1U) .....	137.20	
27 29 00 00-2517 EA Rack Enclosure Horizontal Cable Manager Steel w Finger Duct 1URM (Tripp Lite SRCABLEDUCT1UHD) .....	154.79	
27 29 00 00-2518 EA Rack Enclosure Horizontal Cable Manager Steel w Finger Duct 2URM (Tripp Lite SRCABLEDUCT2UHD) .....	211.08	
27 29 00 00-2519 EA SmartRack 6ft Vertical Cable Manager (finger) (Tripp Lite SRCABLEDUCTVRT) .....	386.97	
27 29 00 00-2520 EA SmartRack Cable Ladder 12" x 10" (Tripp Lite SRCABLELADDER) .....	534.72	
27 29 00 00-2521 EA SmartRack 1U Horizontal Cable Manager (ring) (Tripp Lite SRCABLERING1U) .....	109.06	
27 29 00 00-2522 EA SmartRack 2U Horizontal Cable Manager (ring) (Tripp Lite SRCABLERING2U) .....	119.61	
27 29 00 00-2523 EA SmartRack 6ft Vertical Cable Manager (ring) (Tripp Lite SRCABLERINGVRT) .....	316.61	
27 29 00 00-2524 EA SmartRack Roof Mount Cable Trough (Tripp Lite SRCABLETRAY) .....	242.74	
27 29 00 00-2525 EA SmartRack Expansion Lid for Above Cable Trough (Tripp Lite SRCABLETRAYEXP).....	204.04	
27 29 00 00-2526 EA 6ft Vertical Cable Manager for Open Frame Rack 12in Wide (Tripp Lite SRCABLEVRT12) .....	1,125.73	
27 29 00 00-2527 EA 6ft Vertical Cable Manager for Open Frame Rack 3in Wide (Tripp Lite SRCABLEVRT3) .....	591.01	
27 29 00 00-2528 EA 6ft Vertical Cable Manager for Open Frame Rack 6in Wide (Tripp Lite SRCABLEVRT6) .....	816.16	
27 29 00 00-2529 EA SmartRack Cage Nut Kit (Tripp Lite SRCAGENUTS).....	87.95	
27 29 00 00-2530 EA SmartRack Caster Kit for SR4POST to be Mobile (Tripp Lite SRCASTER) .....	207.56	
27 29 00 00-2531 EA Rack Enclosure Cabinet Heavy Duty Mobile Rolling Caster Kit (Tripp Lite SRCASTERHDKIT) .....	327.17	
27 29 00 00-2532 EA SmartRack Combination Lock/Door Handle (2 pack) (Tripp Lite SRCOMBO) .....	503.06	
27 29 00 00-2533 EA Portable Cooling Unit / Air Conditioner 3.4kW, 120 Volt, 60 Hertz, 12,000 BTU (Tripp Lite SRCOOL12K) .....	2,145.93	
27 29 00 00-2534 EA Rack Cooling / In Row Air Conditioner 208 Volt/240 Volt, 50/60 Hertz, 33,000 BTU (Tripp Lite SRCOOL33K) .....	30,887.34	
27 29 00 00-2535 EA SmartRack Extension Ring for 25U, 42U And 48U Enclosures (Tripp Lite SREXTENDER) .....	1,055.38	
27 29 00 00-2536 EA SmartRack 3U Fan Panel (Tripp Lite SRFAN3U) .....	439.74	
27 29 00 00-2537 EA SmartRack Roof Mount Fan for Airflow Management (Tripp Lite SRFANROOF).....	812.64	
27 29 00 00-2538 EA Wallmount Rack Enclosure Cooling Roof Fan Kit 120V 5-15P (Tripp Lite SRFANWM) .....	207.56	
27 29 00 00-2539 EA Rack Enclosure Server Cabinet Filter Kit 25U / 42U / 45U / 48U (Tripp Lite SRFILTER) .....	193.49	
27 29 00 00-2540 EA SmartRack Airflow Optimization (Tripp Lite SRGASKET).....	207.56	
27 29 00 00-2541 EA 42U Rack Enclosure Server Cabinet Copper Bus Grounding Bar (Tripp Lite SRGROUND) .....	313.09	
27 29 00 00-2542 EA Rack Roof Hardware Kit Connecting SRCABLELADDER to Wall or Open Frame Rack (Tripp Lite SRLADDERATTACH) .....	107.30	
27 29 00 00-2543 EA SmartRack Threaded Hole Hardware Kit (Tripp Lite SRSCREWS).....	36.94	
27 29 00 00-2544 EA SmartRack Fixed 2U Cantilever Shelf (Tripp Lite SRSHELF2P) .....	151.27	
27 29 00 00-2545 EA Fixed 1U Cantilever Shelf for 2-Post / 4-Post Rack Enclosure (Tripp Lite SRSHELF2P1U).....	144.23	
27 29 00 00-2546 EA SmartRack Heavy Duty Fixed Shelf (Tripp Lite SRSHELF4PHD) .....	253.29	
27 29 00 00-2547 EA SmartRack Keyboard Shelf (Tripp Lite SRSHELF4PKYBD).....	559.35	
27 29 00 00-2548 EA SmartRack Standard Sliding Shelf (Tripp Lite SRSHELF4PSL) .....	506.58	
27 29 00 00-2549 EA SmartRack Heavy Duty Sliding Shelf (Tripp Lite SRSHELF4PSLHD).....	946.32	
27 29 00 00-2550 EA SmartRack Skirt for Bottom of Racks to Minimize Airflow (Tripp Lite SRSKIRT) .....	147.75	
27 29 00 00-2551 EA SmartRack Anti-Tip Stabilizer Plate (Tripp Lite SRSTABILIZE) .....	186.45	
27 29 00 00-2552 EA SmartRack Magnetic Door Switch (2 pack) (Tripp Lite SRSWITCH) .....	123.13	
27 29 00 00-2553 EA 42U - 48U Rack Enclosure Cabinet Thermal Duct Passive Cooling (Tripp Lite SRTHERMDUCT) .....	1,477.53	
27 29 00 00-2554 EA 10U Wall mount Rack Enclosure Cabinet With Door and Side Panels (Tripp Lite SRW10US) .....	1,055.38	
27 29 00 00-2555 EA 12U Wall Mount Rack Enclosure Cabinet With Door And Side Panels (Tripp Lite SRW12U) .....	949.84	
27 29 00 00-2556 EA SmartRack 12U Wall Mount Enclosure with Doors and Side Panels (Tripp Lite SRW12US) .....	1,090.56	
27 29 00 00-2557 EA 12U Wall mount Rack Enclosure Cabinet With 33" Extended Depth (Tripp Lite SRW12US33) .....	1,583.06	
27 29 00 00-2558 EA 12U Wall mount Rack Enclosure Cabinet With Plexiglass Front Door (Tripp Lite SRW12USG) .....	1,160.91	
27 29 00 00-2559 EA 12U Wall Mount Rack Enclosure Hinged Wallmount Industrial NEMA (Tripp Lite SRW12USNEMA) .....	2,005.21	
27 29 00 00-2560 EA 18U Wall mount Rack Enclosure Cabinet With Door and Side Panels (Tripp Lite SRW18US) .....	1,671.01	
27 29 00 00-2561 EA 26U Wall mount Rack Enclosure Cabinet With Door and Side Panels (Tripp Lite SRW26US) .....	2,251.47	
27 29 00 00-2562 EA 6U Wall mount Rack Enclosure Cabinet With Door And Side Panels (Tripp Lite SRW6U) .....	527.69	
27 29 00 00-2563 EA 9U Wall Mount Rack Enclosure Cabinet With Door And Side Panels (Tripp Lite SRW9U) .....	703.58	
27 29 00 00-2564 EA 5U Wall Mount Low Profile Secure Rack Enclosure Cabinet Vertical (Tripp Lite SRWF5U).....	1,055.38	
27 29 00 00-2565 EA 12U Wall Mount Pivoting Open Frame Rack Cabinet Hinged (Tripp Lite SRW012US) .....	527.69	
27 29 00 00-2566 EA Wall Mount 2-Post Open Frame Rack Cabinet 8U / 14U / 22U (Tripp Lite SRW08U22) .....	351.79	
27 29 00 00-2567 EA Portable Cooling Unit / Air Conditioner 3.4kW, 230 Volt, 50 Hertz, 12,000 BTU (Tripp Lite SRXCOOL12K) .....	2,339.42	
27 29 00 00-2568 EA SmartRack 3U Fan Panel (230V) (Tripp Lite SRXFAN3U) .....	443.26	
27 29 00 00-2569 EA SmartRack Roof Mount Fan (230V) (Tripp Lite SRXFANROOF).....	773.94	
27 29 00 00-2570 EA 16 outlets 15' cord 450 joules Multiple Outlet Strip with Surge 15-Amperes (Tripp Lite SS7415-15).....	190.75	
27 29 00 00-2571 EA 16 outlets 15' cord 450 joules Multiple Outlet Strip with Surge 15-Amperes (Tripp Lite SS7619-15).....	218.11	
27 29 00 00-2572 EA 6 outlets 6' cord 360 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite STRIKER).....	47.69	
27 29 00 00-2573 EA 7 outlets 6' cord 750 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite STRIKER).....	42.22	
27 29 00 00-2574 EA 1000VA UPS System SmartOnline Rack/Tower PureSine 10kVA 200V-240V Output 6 Outlet - 10000 VA Detachable Bypass PDU, 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU10000RT3U).....	14,497.35	
27 29 00 00-2575 EA 1000VA UPS System SmartOnline Rack/Tower PureSine 10kVA Transformer 120V/208V Output Hardware - 10000 VA Detachable Bypass PDU, 1 RS-232, 1 USB, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU10000RT3U2TF).....	17,575.53	
27 29 00 00-2576 EA 1000VA Global Smart Online UPS RM 6U (6)C19 outlets 10kVA 200/240V (Tripp Lite SU10000RT3UG).....	14,898.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2577 EA 1000VA UPS System SmartOnline Rack/Tower PureSine 120 Volt 6 Outlet - 1000VA1 RS-232, 1 USB, SNMP Slot, (Tripp Lite SU1000RTL2UA).....	1,755.44	
Note: Use BP24V28-2U or BP24V70-3U for Extended Run		
27 29 00 00-2578 EA 1000VA 900W UPS Smart Online Rackmount LCD 100V-120V USB 2URM (Tripp Lite SU1000RTXLCD2U).....	2,107.23	
27 29 00 00-2579 EA 1000VA UPS System SmartOnline Tower Extended Run PureSine 120 Volt 6 Outlet - 1000 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SU1000XLA).....	1,526.78	
Note: Use BP24V14 or BP24V34 for Extended Run		
27 29 00 00-2580 EA 10000VA International UPS System SmartOnline Tower PureSine 3-Phase 10kVA Hardwire - 10000 VA1 RS-232, 1 DB9, 1 AS-400, SNMP Slot, Use BP240V10RT-3U or BP240V33 for Extended Run (Tripp Lite SU10K3/1X).....	15,039.11	
27 29 00 00-2581 EA 10kVA Intl 3-Phase Smart Online UPS for Data Centers And Large Networks (Tripp Lite SU10KRT3/1X).....	14,247.58	
27 29 00 00-2582 EA 10000VA UPS System SmartOnline Rack/Tower PureSine 10kVA 200V-240V/120V Output Hardwire - 10000 VA Auto Sensing 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU10KRT3U).....	17,339.83	
27 29 00 00-2583 EA 10000VA UPS System SmartOnline Rack/Tower PureSine HIGH Voltage 10kVA 200V-240V Output Hardwire - 10000 VA Auto Sensing 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU10KRT3UHV).....	13,906.34	
27 29 00 00-2584 EA 12000VA UPS Smart Online Hot Swap 8U RM 12kVA 120-240V (Tripp Lite SU12000RT4U).....	20,738.14	
27 29 00 00-2585 EA 12000VA UPS Smart Online Hot Swap Hard Wire 8U RM 12kVA 120-240V (Tripp Lite SU12000RT4UHW).....	20,738.14	
27 29 00 00-2586 EA 12000VA UPS Smart Online Hard Wire 8U RM 12kVA 200-240V (Tripp Lite SU12KRT4UHW).....	19,376.70	
27 29 00 00-2587 EA 1500VA NAFTA Smart Online PureSine UPS Rackmount 6 outlets (Tripp Lite SU1500RMNAFTA).....	2,919.87	
27 29 00 00-2588 EA 1500VA UPS System SmartOnline Rack/Tower PureSine 120 Volt 6 Outlet - 1500 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SU1500RTL2UA).....	2,247.95	
Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run		
27 29 00 00-2589 EA 1500VA 1350W UPS Smart Online Rackmount LCD 100V-120V USB 2URM (Tripp Lite SU1500RTXLCD2U).....	2,810.82	
27 29 00 00-2590 EA 1500VA UPS Smart Online Tower Extended Run PureSine 6 outlet (Tripp Lite SU1500XL).....	2,107.23	
27 29 00 00-2591 EA 16000VA UPS System SmartOnline Rack/Tower PureSine 10kVA 200V-240V/120V Output 13 Outlets Detachable Bypass PDU 1 RS-232, 1 USB, SNMP Slot. Use BP192BV18-4U for Extended Run (Tripp Lite SU1600RT4U).....	27,538.28	
27 29 00 00-2592 EA 16000VA UPS System SmartOnline Rack/Tower PureSine 10kVA 200V-240V/120V Output Hardwire Detachable Bypass PDU 1 RS-232, 1 USB, SNMP Slot. Use BP192BV18-4U for Extended Run (Tripp Lite SU1600RT4UHW).....	27,538.28	
27 29 00 00-2593 EA 16000VA UPS Smart Online Hot Swap 12U RM 16kVA 200V - 240V (Tripp Lite SU16KRT).....	26,553.26	
27 29 00 00-2594 EA 16000VA UPS Smart Online With TF Hot Swap 14U RM 16kVA, 120 Volt - 240 Volt (Tripp Lite SU16KRT-1TF).....	29,350.01	
27 29 00 00-2595 EA 20000VA UPS Smart Online Hot Swap 12U RM 20kVA 200V - 240V (Tripp Lite SU16KRTG).....	26,553.26	
27 29 00 00-2596 EA 20000VA UPS Smart Online Hard Wire Hot Swap 12URM 20kVA 200-240V (Tripp Lite SU16KRTHW).....	26,194.43	
27 29 00 00-2597 EA 20000VA UPS System SmartOnline Tower PureSine 3-Phase 20kVA Hard Wire - 20000 VA Includes Power Module and BP240V33 Battery Module (Tripp Lite SU20K3/3).....	35,425.45	
27 29 00 00-2598 EA 20kVA Tower Mount UPS includes five SURBC2030 Internal Battery Packs. (Tripp Lite SU20K3/3XR5).....	39,471.06	
27 29 00 00-2599 EA Wall Mount Kirk Key Bypass Panel 240V for 20kVA 3-Phase UPS (Tripp Lite SU20KMBPK).....	7,141.38	
27 29 00 00-2600 EA 20000VA UPS Smart Online Hot Swap 12U RM 20kVA 200V - 240V (Tripp Lite SU20KRT).....	29,782.71	
27 29 00 00-2601 EA 20000VA UPS Smart Online With TF Hot Swap 14U RM, 20kVA, 120 Volt - 240 Volt (Tripp Lite SU20KRT-1TF).....	32,611.12	
27 29 00 00-2602 EA 20000VA UPS Smart Online Hot Swap 12U RM 20kVA 200V - 240V (Tripp Lite SU20KRTG).....	29,782.71	
27 29 00 00-2603 EA 20000VA UPS Smart Online Hard Wire Hot Swap 12URM 20kVA 200-240V (Tripp Lite SU20KRTHW).....	29,423.88	
27 29 00 00-2604 EA 20000VA Intl Smart Online Modular 3-Phase UPS 220-415V 20kVA (Tripp Lite SU20KX).....	35,530.99	
27 29 00 00-2605 EA 2200VA NAFTA Smart Online PureSine UPS Rackmount 7 outlets (Tripp Lite SU2200RMNAFTA).....	3,869.71	
27 29 00 00-2606 EA 2200VA UPS System SmartOnline Rack/Tower PureSine 120 Volt 7 Outlet - 2200 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SU2200RTL2UA).....	3,285.74	
Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run		
27 29 00 00-2607 EA 2200VA 1800W UPS Smart Online Rackmount LCD 100V-120V USB 2URM (Tripp Lite SU2200RTXLCD2U).....	4,077.27	
27 29 00 00-2608 EA 2200VA UPS System SmartOnline Tower Extended Run PureSine 120V 7 Outlet - 2200 VA1 RS-232, SNMP Slot. Use BP72V9 or BP72V18 for Extended Run (Tripp Lite SU2200XLA).....	2,740.46	
27 29 00 00-2609 EA 3000VA UPS Smart Online Rackmount 2U Economy Mode 7 Outlet Use BP72V15-2U or BP72V28RT-3U for Extended Run (Tripp Lite SU3000RTL2U).....	4,013.95	
27 29 00 00-2610 EA 3000VA UPS System SmartOnline Rack/Tower PureSine 3kVA 120V 9 Outlet - 3000 VA 1 RS-232, 1 USB, SNMP Slot, Use BP72V15-2U or BP72V28RT-3U for Extended Run (Tripp Lite SU3000RTL3U).....	4,246.13	
27 29 00 00-2611 EA 3000VA UPS System SmartOnline Rack/Tower PureSine HIGH Voltage 3kVA 120V 8 Outlet - 3000 VA 1 RS-232, SNMP Slot, Use BP 72V15-2U or BP72V28RT-3U for Extended Run (Tripp Lite SU3000RTL3UHV).....	4,752.71	
27 29 00 00-2612 EA 3000VA 2700W UPS Smart Online LCD Rackmount 100-120V USB 3URM RT (Tripp Lite SU3000RTXLCD3U).....	5,083.39	
27 29 00 00-2613 EA 3000VA UPS System SmartOnline Rack/Tower PureSine 3kVA Extended Run 120V 9 Outlet - 3000 VA 1 RS-232, 1 USB, SNMP Slot, Use BP72V15-2U or BP72V28RT-3U for Extended Run (Tripp Lite SU3000RTXR3U).....	5,188.93	
27 29 00 00-2614 EA 3000VA Smart Online UPS 110/120V USB DB9 Hardwire 3kVA 3U RM (Tripp Lite SU3000RTXR3UHV).....	5,632.19	
27 29 00 00-2615 EA 3000VA UPS System SmartOnline Tower Extended Run PureSine 3kVA 120V 7 Outlet - 3000 VA1 RS-232, SNMP Slot, Use BP72V9 or BP72V18 for Extended Run (Tripp Lite SU3000XL).....	3,929.52	
27 29 00 00-2616 EA 3000VA NAFTA Smart Online PureSine UPS Ext Run 9 outlets (Tripp Lite SU3000XLNAFTA).....	4,221.50	
27 29 00 00-2617 EA 30000VA UPS System SmartOnline Tower PureSine 3-Phase 30kVA Hard Wire - 30000 VA Includes Power Module and BP240V33 Battery Module (Tripp Lite SU30K3/3).....	41,106.90	
27 29 00 00-2618 EA 30kVA Tower Mount UPS includes five SURBC2030 Internal Battery Packs. (Tripp Lite SU30K3/3XR5).....	44,185.08	
27 29 00 00-2619 EA Wall Mount Kirk Key Bypass Panel 240V for 30kVA 3-Phase UPS (Tripp Lite SU30KMBPK).....	7,141.38	
27 29 00 00-2620 EA 40kVA Smart Online UPS 3-Phase Double Conversion With Integrated Batteries (Tripp Lite SU40K).....	73,524.53	
27 29 00 00-2621 EA Wall Mount Kirk Key Bypass Panel 240V for 40kVA 3-Phase UPS (Tripp Lite SU40KMBPK).....	8,847.57	
27 29 00 00-2622 EA Intl Wall Mount Kirk Key Bypass Panel 480V for 40kVA 3-Phase UPS (Tripp Lite SU40KMBPKX).....	7,538.12	
27 29 00 00-2623 EA 4000VA Intl Smart Online Modular 3-Phase UPS 220-415V 40kVA (Tripp Lite SU40KX).....	53,120.59	
27 29 00 00-2624 EA 5000VA UPS System SmartOnline Rack/Tower PureSine 5kVA 200V-240V Output 16 Outlet - 5000 VA 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU5000RT3U).....	10,209.00	
27 29 00 00-2625 EA 5000VA UPS System SmartOnline Rack/Tower PureSine HIGH Voltage 200V-240V Output 4 Outlet - 5000 VA1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU5000RT3UHV).....	8,949.59	
27 29 00 00-2626 EA 5000VA UPS System SmartOnline Rack/Tower PureSine 5kVA 208V/240V Output 12 Outlet - 5000 VA All-In-One 1 RS-232, 1 USB, Use BP192V12-3U for Extended Run (Tripp Lite SU5000RT4U).....	10,163.27	
27 29 00 00-2627 EA 5000VA UPS Smart Online High Efficiency 4U RM 5kVA 200-240V (Tripp Lite SU5000RT4UHV).....	8,713.89	
27 29 00 00-2628 EA 5000VA UPS Smart Online High Efficiency 6U RM 5kVA 208-240V (Tripp Lite SU5000RT4UTF).....	10,068.29	
27 29 00 00-2629 EA 2U rack/tower mount isolation/distribution/step-down transformer. 208 Volt, 60 Hertz single phase input/120/240 Volt output. outlets: 12 (15/20-ampers), L6-30P plug. (Tripp Lite SU5000XFMR2U).....	2,522.35	
Note: For use with SU 5000RT3UHV, SU 7500RT3U and SU 10000RT3U models.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2630	EA			6000VA UPS System SmartOnline Rack/Tower PureSine 6kVA 200V-240V/120V Output Hardwire - 6000 VA External Battery Pack Included, 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU6000RT3U) .....	12,421.78	
27 29 00 00-2631	EA			6000VA UPS System SmartOnline Rack/Tower PureSine HIGH Voltage 6kVA 200-240V Output Hardwire - 6000 VA Auto Sensing 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU6000RT3UHV) .....	9,670.76	
27 29 00 00-2632	EA			6000VA UPS System SmartOnline Rack/Tower PureSine 6kVA 208V/240V Output 12 Outlet - 6000 VA All-In-One 1 RS-232, 1 USB, Use BP192V12-3U for Extended Run (Tripp Lite SU6000RT4U).....	11,359.36	
27 29 00 00-2633	EA			6000VA UPS Smart Online High Efficiency 4U RM 6kVA 200-240V (Tripp Lite SU6000RT4UHV).....	9,575.78	
27 29 00 00-2634	EA			6000VA UPS Smart Online High Efficiency 4URM C19 6kVA 200-240V (Tripp Lite SU6000RT4UHV).....	9,575.78	
27 29 00 00-2635	EA			6000VA UPS Smart Online High Efficiency HW 4U RM 6kVA 200-240V (Tripp Lite SU6000RT4UHVHW).....	9,167.70	
27 29 00 00-2636	EA			6000VA UPS Smart Online High Efficiency 6U RM 6kVA 208-240V (Tripp Lite SU6000RT4UTF).....	10,870.37	
27 29 00 00-2637	EA			6000VA UPS Smart Online High Efficiency HW With TF 6kVA, 208/240 Volt (Tripp Lite SU6000RT4UTFHW) .....	11,267.90	
27 29 00 00-2638	EA			60kVA Smart Online UPS 3-Phase Double Conversion With Integrated Batteries (Tripp Lite SU60K) .....	82,671.12	
27 29 00 00-2639	EA			Wall Mount Kirk Key Bypass Panel 240V for 60kVA 3-Phase UPS (Tripp Lite SU60KMBPK) .....	9,727.05	
27 29 00 00-2640	EA			Intl Wall Mount Kirk Key Bypass Panel 480V for 60kVA 3-Phase UPS (Tripp Lite SU60KMBPKX) .....	14,138.52	
27 29 00 00-2641	EA			60kVA Smart Online N+1 Modular UPS 3-Phase IGBT 220/415V (Tripp Lite SU60KX).....	67,192.27	
27 29 00 00-2642	EA			750VA UPS System SmartOnline Rack/Tower PureSine 120 Volt 6 Outlet - 750VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SU750RTL2U).....	1,488.08	
				Note: Use BP24V28-2U or BP24V70-3U for Extended Run		
27 29 00 00-2643	EA			750VA 675W UPS Smart Online Rackmount LCD 100V-120V USB 2URM RT (Tripp Lite SU750RTLXCD2U) .....	1,635.83	
27 29 00 00-2644	EA			750VA UPS System SmartOnline Tower Extended Run PureSine 120 Volt 6 Outlet - 750 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SU750XL) .....	1,396.61	
				Note: Use BP24V14 or BP24V34 for Extended Run		
27 29 00 00-2645	EA			8000VA UPS System SmartOnline Rack/Tower PureSine 8kVA 200V-240V output 6 outlets Detachable Bypass PDU, 1 RS-232, 2 DB9 And SNMP Slot. Use BP240V10RT3U for Extended Run (Tripp Lite SU8000RT3U).....	11,982.04	
27 29 00 00-2646	EA			8000VA UPS System SmartOnline Rack/Tower PureSine 8kVA Transformer 120V/208V output Hardwire Detachable Bypass PDU, 1 RS-232, 2 DB9 And SNMP Slot. Use BP240V10RT3U for Extended Run (Tripp Lite SU8000RT3U1TF).....	13,403.28	
27 29 00 00-2647	EA			8000VA Global Smart Online UPS RM 6U (6)C19 outlets 8kVA 200/240V (Tripp Lite SU8000RT3UG).....	12,383.08	
27 29 00 00-2648	EA			8000VA UPS System SmartOnline Rack/Tower PureSine 8kVA 200V-240V output Hardwire Detachable Bypass PDU, 1 RS-232, 2 DB9 And SNMP Slot. Use BP240V10RT3U for Extended Run (Tripp Lite SU8000RT3UHW) .....	11,982.04	
27 29 00 00-2649	EA			8000VA Smart Online UPS With Hot- Swappable Power Distribution Unit 208/240 Volt, 6 outlets (Tripp Lite SU8000RT3UN50) .....	12,879.11	
27 29 00 00-2650	EA			8000VA Smart Online UPS With Hot- Swap PDU And Step Down Trans 208/240 Volt (Tripp Lite SU8000RT3UN50TF) .....	14,307.38	
27 29 00 00-2651	EA			8000VA UPS System SmartOnline Rack/Tower PureSine 8kVA 200V-240V/120V Output Hardwire Detachable Bypass PDU, 1 RS-232, 1 USB, SNMP Slot. Use BP192V12-3U for Extended Run (Tripp Lite SU8000RT4U).....	12,682.10	
27 29 00 00-2652	EA			80kVA Smart Online UPS 3-Phase Double Conversion With Integrated Batteries (Tripp Lite SU80K) .....	98,501.76	
27 29 00 00-2653	EA			Wall Mount 3-Breaker Bypass Panel With Kirk Key 240V for 80kVA 3-Phase UPS TAA / GSA (Tripp Lite SU80KMBPK) .....	19,014.36	
27 29 00 00-2654	EA			80kVA Smart Online N+1 Modular UPS 3-Phase IGBT 220/415V (Tripp Lite SU80KX).....	82,065.26	
27 29 00 00-2655	EA			Additional Battery Compartment for all Models. Requires SURBC2030 Battery Packs. (Tripp Lite SUBF2030) .....	7,035.84	
27 29 00 00-2656	EA			208V 3-Phase Distribution Cabinet for 20-60kVA UPS 42 Pole (Tripp Lite SUDC208V42P) .....	9,772.00	
27 29 00 00-2657	EA			1000VA International UPS System SmartOnline Rack/Tower PureSine 230 Volt 6 Outlet 1 RS-232, SNMP Slot (Tripp Lite SUIINT1000RTL2U).....	2,306.00	
				Note: Use BP36V15-2U for Extended Run		
27 29 00 00-2658	EA			1000VA International UPS System SmartOnline Tower PureSine 230 Volt 4 Outlet - 1000 VA 1 DB9 (Tripp Lite SUIINT1000XL) .....	1,815.83	
				Note: Use BP36V13 for Extended Run		
27 29 00 00-2659	EA			1500VA International UPS System SmartOnline Rack/Tower PureSine 230 Volt 6 Outlet - 1500 VA 1 RS-232, SNMP Slot (Tripp Lite SUIINT1500RTL2U) .....	2,562.22	
				Note: Use BP 48V24-2U for Extended Run		
27 29 00 00-2660	EA			2000VA International UPS System SmartOnline Tower PureSine 230V 8 Outlet 1 DB9, SNMP Slot. Use BP72V9 for Extended Run (Tripp Lite SUIINT2000XL) .....	2,833.29	
27 29 00 00-2661	EA			2200VA International UPS System SmartOnline Rack/Tower PureSine 230 Volt 6 Outlet - 2200 VA 1 RS-232, SNMP Slot (Tripp Lite SUIINT2200RTL2U) .....	4,073.56	
				Note: Use BP48V24-2U for Extended Run		
27 29 00 00-2662	EA			3000VA International UPS System SmartOnline Extended Run Rack/Tower PureSine Online, double-conversion 3kVA 200-240V 10 Outlet - USB, serial, contact closure, EPO and SNMP/Web card slot (Tripp Lite SUIINT3000RTL2U).....	4,489.45	
27 29 00 00-2663	EA			3000VA International UPS System SmartOnline Rack/Tower PureSine 3kVA 230V 10 Outlet - 3000 VA 1 RS-232, SNMP Slot, Use BP72V12-2U or BP72V21-3U for Extended Run (Tripp Lite SUIINT3000RTL3U) .....	4,663.98	
27 29 00 00-2664	EA			3000VA International UPS System SmartOnline Tower PureSine 230V 3kVA 8 Outlet - 3000 VA 1 DB9, SNMP Slot. Use BP72V9 for Extended Run (Tripp Lite SUIINT3000XL).....	4,366.91	
27 29 00 00-2665	EA			Alternate back panel for SU 6000RT3UHV model only. Converts from hardwired to L6-30P plug/cord set and two L6-30R outlets. 208V. (Tripp Lite SUPDM11).....	309.58	
27 29 00 00-2666	EA			Alternate back panel for distribution transformer module—SU 6000RT3U model only. Converts from hardwired to L6-30P plug/cord set and 13 outlets (ten 120V 15/20-amperes, two 208V L6-20R and one 208V L6-30R). (Tripp Lite SUPDM12).....	522.22	
27 29 00 00-2667	EA			Alternate back panel for distribution transformer module—SU 6000RT3U model only. Converts from hardwired to L6-30P plug/cord set and 13 outlets (ten 120V 15/20-amperes, two 240V L6-20R and one 240V L6-30R). (Tripp Lite SUPDM13).....	522.22	
27 29 00 00-2668	EA			For SU 5000RT4U and SU 6000RT4U models only. Independent detachable hardwired power distribution unit. (Tripp Lite SUPDM56HW) .....	247.04	
27 29 00 00-2669	EA			Converts output for select UPS Systems to Hardwire PDU (Tripp Lite SUPDMB568HW).....	844.30	
27 29 00 00-2670	EA			Converts output for select UPS Systems to Hardwire PDU (Tripp Lite SUPDMB710HW).....	562.87	
27 29 00 00-2671	EA			Converts output for select UPS Systems to IEC320 outlets 200-240V (Tripp Lite SUPDMB710IEC).....	1,618.24	
27 29 00 00-2672	EA			6 outlets 6' cord 750 joules International Surge Suppressor 6 Universal Outlets/British Plug 230V (Tripp Lite SUPER6OMNI B) .....	44.56	
27 29 00 00-2673	EA			6 outlets 6' cord 750 joules International Surge Suppressor 6 Universal Outlets/CEE Plug 230V (Tripp Lite SUPER6OMNI D) .....	44.56	
27 29 00 00-2674	EA			7 outlets 6' cord 1270 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite SUPER6TEL) .....	51.60	
27 29 00 00-2675	EA			7 outlets 12' cord 1270 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite SUPER6TEL12) .....	75.05	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 29 00 00-2676	EA	7 outlets 7' cord 2350 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite SUPER-7).....	48.47	
27 29 00 00-2677	EA	Surge Protector Strip 120V 7 Outlet 7ft Cord 2160 Joules Black (Tripp Lite SUPER7B).....	48.47	
27 29 00 00-2678	EA	7 outlets 7' cord 2350 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite SUPER7COAX).....	65.67	
27 29 00 00-2679	EA	7 outlets 7' cord 2470 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite SUPER7TEL).....	60.98	
27 29 00 00-2680	EA	7 outlets 15' cord 2720 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite SUPER7TEL15).....	96.94	
27 29 00 00-2681	EA	240 Volt DC Internal Battery Pack for Extended Runtime. (Tripp Lite SURBC2030).....	2,346.45	
27 29 00 00-2682	EA	Protect It! Surge 6 Swivel Outlets Direct Plug 1200 Joules (Tripp Lite SWIVEL6).....	41.43	
27 29 00 00-2683	EA	1200VA UPS System Extended Run Tower Line-Interactive 120V 6 Outlet - 1200 VA, 1 DB9 (Tripp Lite TE1200).....	1,354.40	
27 29 00 00-2684	EA	600VA UPS System Extended Run Tower Line-Interactive 120V 6 Outlet - 600 VA, 1 DB9 (Tripp Lite TE600).....	707.10	
27 29 00 00-2685	EA	10 outlets 15' cord Metal-receptacle series, master switch pilot light (Tripp Lite TLM1015NC).....	137.59	
27 29 00 00-2686	EA	3 outlets 6' cord Metal-receptacle series, master switch pilot light (Tripp Lite TLM306NC).....	56.29	
27 29 00 00-2687	EA	4 outlets 6' cord Metal-receptacle series, master switch pilot light (Tripp Lite TLM406NC).....	60.98	
27 29 00 00-2688	EA	6 outlets 6' cord 280 joules Metal housing, holds 3 transformers. (Tripp Lite TLM606).....	53.16	
27 29 00 00-2689	EA	6 outlets 6' cord 450 joules Metal housing, holds 3 transformers. (Tripp Lite TLM606HJ).....	57.85	
27 29 00 00-2690	EA	6 outlets 6' cord Metal-receptacle series, master switch pilot light (Tripp Lite TLM606NC).....	67.23	
27 29 00 00-2691	EA	6 outlets 9' cord GFCI plug, 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM609GF).....	129.77	
27 29 00 00-2692	EA	6 outlets 9' cord 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM609NS).....	81.30	
27 29 00 00-2693	EA	6 outlets 9' cord 1200 joules 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM609SA).....	88.34	
27 29 00 00-2694	EA	6 outlets 15' cord Metal-receptacle series, master switch pilot light (Tripp Lite TLM615NC).....	84.43	
27 29 00 00-2695	EA	6 outlets 15' cord Metal-receptacle series, master switch pilot light, 20 amperes (Tripp Lite TLM615NC20).....	197.00	
27 29 00 00-2696	EA	6 outlets 15' cord Metal-receptacle series, turned 90 degrees, master switch pilot light (Tripp Lite TLM615NCRA).....	89.12	
27 29 00 00-2697	EA	6 outlets 15' cord 2400 joules 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM615SA).....	108.66	
27 29 00 00-2698	EA	6 outlets 6' cord 450 joules Metal housing, holds 3 transformers. (Tripp Lite TLM626).....	62.54	
27 29 00 00-2699	EA	6 outlets 6' cord 4 outlet safety covers (Tripp Lite TLM626NS).....	48.47	
27 29 00 00-2700	EA	6 outlets 6' cord 420 joules 4 outlet safety covers (Tripp Lite TLM626SA).....	57.85	
27 29 00 00-2701	EA	6 outlets 15' cord 450 joules Metal housing, holds 3 transformers. (Tripp Lite TLM626TEL15).....	84.43	
27 29 00 00-2702	EA	8 outlets 12' cord GFCI plug, 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM812GF).....	146.97	
27 29 00 00-2703	EA	8 outlets 12' cord 1200 joules 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM812SA).....	103.97	
27 29 00 00-2704	EA	8 outlets 15' cord 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM815NS).....	100.07	
27 29 00 00-2705	EA	8 outlets 25' cord GFCI plug, 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM825GF).....	171.99	
27 29 00 00-2706	EA	8 outlets 25' cord 3600 joules 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM825SA).....	149.63	
27 29 00 00-2707	EA	9 outlets 15' cord Metal-receptacle series, master switch pilot light, outlet on end (Tripp Lite TLM915NC).....	92.25	
27 29 00 00-2708	EA	10 outlets 8' cord 2395 joules Protect It! Surge Suppressor holds 7 Transformers (Tripp Lite TLP1008TEL).....	84.43	
27 29 00 00-2709	EA	10 outlets 8' cord 3345 joules Protect It! Surge Suppressor holds 7 Transformers (Tripp Lite TLP1008TELT).....	93.81	
27 29 00 00-2710	EA	Surge Protector 120V 12 Outlet RJ11 RJ45 Coax 8ft Crd 2880 Joule (Tripp Lite TLP1208SAT).....	107.88	
27 29 00 00-2711	EA	Surge Protector 12 Outlets, Tel/DSL, 8ft Cord, 2160 Joules (Tripp Lite TLP1208TEL).....	90.68	
27 29 00 00-2712	EA	Surge Protector 12 Outlets, Tel/DSL, Coax, 8ft Cord, 2880 Joules (Tripp Lite TLP1208TELT).....	106.32	
27 29 00 00-2713	EA	Eco Surge Protector Green 12 Outlet Tel/Coax 10ft Cord 3600 Joules (Tripp Lite TLP1210SATG).....	212.64	
27 29 00 00-2714	EA	Intl Protect It! Surge 2 Schuko Type F outlets German Plug 2 USB Ports 380 Joules (Tripp Lite TLP2USBD).....	64.10	
27 29 00 00-2715	EA	Intl Protect It! Surge 2 French Type E outlets and Plug 2 USB Ports 380 Joules (Tripp Lite TLP2USBF).....	64.10	
27 29 00 00-2716	EA	4 outlets 4' cord 390 joules Protect It! Surge Suppressor holds 2 Transformers (Tripp Lite TLP404).....	21.89	
27 29 00 00-2717	EA	Protect It! BLK Surge 4 outlet (2 Transformers) 4ft Cord 670 Joules (Tripp Lite TLP4BK).....	28.14	
27 29 00 00-2718	EA	Intl Protect It! Surge 5 Schuko Type F outlets German Plug 280 Joules (Tripp Lite TLP51D).....	44.56	
27 29 00 00-2719	EA	Intl Protect It! Surge 5 French Type E outlets and Plug 280 Joules (Tripp Lite TLP51F).....	44.56	
27 29 00 00-2720	EA	6 outlets 2' cord 250 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite TLP602).....	17.20	
27 29 00 00-2721	EA	6 outlets 4' cord 720 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite TLP604).....	23.45	
27 29 00 00-2722	EA	6 outlets 4' cord 870 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite TLP604TEL).....	28.14	
27 29 00 00-2723	EA	6 outlets 6' cord 750 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite TLP606).....	28.14	
27 29 00 00-2724	EA	Protect It! BLK Surge 6 outlet (3 Transformers) 6ft Cord 750 Joules (Tripp Lite TLP606B).....	28.14	
27 29 00 00-2725	EA	TAA Compliant Protect It! Surge 6 outlets 6 ft Cord 750 Joules (Tripp Lite TLP606TAA).....	31.27	
27 29 00 00-2726	EA	Surge Protector Strip 6 Outlet RJ11 8ft Cord 990 Joules (Tripp Lite TLP608TEL).....	41.43	
27 29 00 00-2727	EA	Surge Protector Strip 6 Outlet 15ft Cord 790 Joules (Tripp Lite TLP615).....	59.41	
27 29 00 00-2728	EA	Intl Protect It! Surge 6 Schuko Type F outlets German Plug 1140 Joules (Tripp Lite TLP61D).....	56.29	
27 29 00 00-2729	EA	Intl Protect It! Surge 6 French Type E outlets and Plug 1140 Joules (Tripp Lite TLP61F).....	56.29	
27 29 00 00-2730	EA	Surge Protector 6 Outlet 4ft Cord 540 Joules (Tripp Lite TLP64).....	43.00	
27 29 00 00-2731	EA	Surge Protector 6 Outlet RJ45 6ft Cord 1080 Joules (Tripp Lite TLP66NET).....	68.01	
27 29 00 00-2732	EA	Surge Protector 6 Outlet RJ45 6ft Cord 1080 Joules TAA / GSA (Tripp Lite TLP66NETAA).....	78.18	
27 29 00 00-2733	EA	Eco Surge Protector Green With Remote Control 6 Outlet 6ft Cord (Tripp Lite TLP66RCG).....	97.72	
27 29 00 00-2734	EA	Surge Protector Strip 6 Outlet 6ft Cord 360 Joules Black (Tripp Lite TLP6B).....	25.80	
27 29 00 00-2735	EA	Surge Protector Strip 120V 7 Outlet RJ11 6ft Cord 1440 Joule (Tripp Lite TLP706TELC).....	51.60	
27 29 00 00-2736	EA	7 outlets 7' cord 1270 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite TLP707TEL).....	50.03	
27 29 00 00-2737	EA	7 outlets 12' cord 1000 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite TLP712).....	51.60	
27 29 00 00-2738	EA	Protect It! BLK Surge 7 outlet (4 Transformers) 12ft Cord 1000 Joules (Tripp Lite TLP712B).....	51.60	
27 29 00 00-2739	EA	Protect It! Surge 7 outlet (4 Transformers) 25ft Cord 1000 Joules (Tripp Lite TLP725).....	90.68	
27 29 00 00-2740	EA	Surge Protector 7 Right Angle Outlets 4ft Cord 540 Joules (Tripp Lite TLP74R).....	29.71	
27 29 00 00-2741	EA	Surge Protector 7 Right Angle Outlets 4ft Cord 540 Joules Black (Tripp Lite TLP74RB).....	29.71	
27 29 00 00-2742	EA	Eco Surge Protector Green Timer Controlled 7 Outlet 4ft Cord (Tripp Lite TLP74TG).....	96.94	
27 29 00 00-2743	EA	Eco Green Surge Protector Switched 7 Outlet Converter Energy (Tripp Lite TLP76MSG).....	67.23	
27 29 00 00-2744	EA	Surge Protector Strip 120V Right Angle 7 Outlet RJ11 Black (Tripp Lite TLP76RBTEL).....	39.40	
27 29 00 00-2745	EA	Eco Surge Protector Green Timer Controlled 7 Outlet USB 8ft Crd (Tripp Lite TLP78TUSBG).....	128.21	
27 29 00 00-2746	EA	Surge Protector Strip 120V 8 Outlet RJ11 6ft Cord 2160 Joule (Tripp Lite TLP806TEL).....	59.41	
27 29 00 00-2747	EA	8 outlets 8' cord 1900 joules Protect It! Surge Suppressor holds 6 Transformers (Tripp Lite TLP808).....	60.98	
27 29 00 00-2748	EA	Eco Surge Protector Green 8 Outlet Tel/DSL 8ft Cord 2160 Joules (Tripp Lite TLP808NETG).....	148.53	
27 29 00 00-2749	EA	8 outlets 8' cord 2820 joules Protect It! Surge Suppressor holds 6 Transformers (Tripp Lite TLP808TEL).....	81.30	
27 29 00 00-2750	EA	TAA Compliant Protect It! Surge 8 outlets 8ft Cord 2820 Joules (Tripp Lite TLP808TELTAA).....	84.43	
27 29 00 00-2751	EA	8 outlets 8' cord 3500 joules Protect It! Surge Suppressor holds 6 Transformers (Tripp Lite TLP808TELT).....	93.81	
27 29 00 00-2752	EA	8 outlets 10' cord 3690 joules Protect It! Surge Suppressor holds 6 Transformers (Tripp Lite TLP810NET).....	117.26	
27 29 00 00-2753	EA	8 outlets 10' cord 3570 joules Protect It! Surge Suppressor holds 6 Transformers (Tripp Lite TLP810SAT).....	114.14	
27 29 00 00-2754	EA	Protect It! Surge 8 outlet (6 Transformers) 25ft Cord 1900 Joules (Tripp Lite TLP825).....	101.63	
27 29 00 00-2755	EA	Intl Protect It! Surge 8 Schuko Type F outlets German Plug 2280 Joules (Tripp Lite TLP82D).....	89.12	
27 29 00 00-2756	EA	Intl Protect It! Surge 8 French Type E outlets and Plug 2280 Joules (Tripp Lite TLP82F).....	89.12	



		MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2757	EA	Intl Protect It! Surge 8 Schuko Type F outlets German Plug Tel/Network 1140 Joules (Tripp Lite TLP82MASD) .....		139.15	
27 29 00 00-2758	EA	Intl Protect It! Surge 8 French Type E outlets and Plug Tel/Network 1140 Joules (Tripp Lite TLP82MASF) .....		139.15	
27 29 00 00-2759	EA	Intl Protect It! Surge 8 Schuko Type F outlets German Plug Tel/Network 2280 Joules (Tripp Lite TLP82NSATD) .....		128.21	
27 29 00 00-2760	EA	Intl Protect It! Surge 8 French Type E outlets and Plug Tel/Network 2280 Joules (Tripp Lite TLP82NSATF) .....		128.21	
27 29 00 00-2761	EA	6 OUTLETS 6' CORD 1850 JOULES Protect It! Under Monitor Surge Suppressor with Modem/Fax Protection (Tripp Lite TMC-6) .....		103.00	
27 29 00 00-2762	EA	6 outlets 6' cord 1500 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite TR-6) .....		89.90	
27 29 00 00-2763	EA	6 outlets 6' cord 2100 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite TR-6FM) .....		107.88	
27 29 00 00-2764	EA	1 outlets direct plug-in 950 joules Protect It! Portable Surge Suppressor holds 1 Transformer (Tripp Lite TRAVELCUBE) .....		23.45	
27 29 00 00-2765	EA	2 outlets direct plug-in 1050 joules Protect It! Portable Surge Suppressor holds 2 Transformers (Tripp Lite TRAVELER) .....		39.09	
27 29 00 00-2766	EA	2 outlets direct plug-in 1050 joules Protect It! Portable Surge Suppressor holds 2 Transformers (Tripp Lite TRAVELER100BT) .....		39.09	
27 29 00 00-2767	EA	Mobile Surge Protector with 3 outlets 2 USB 540 Joules (Tripp Lite TRAVELER3USB) .....		51.60	
27 29 00 00-2768	EA	2 (C6) 3-prong outlets in-line 820-1130 joules Protect It! Surge Suppressor For Laptop Use (Tripp Lite TRAVELERC6) .....		54.72	
27 29 00 00-2769	EA	2 (C8) 2-prong outlets in-line 820-1130 joules Protect It! Surge Suppressor For Laptop Use (Tripp Lite TRAVELERC8) .....		54.72	
27 29 00 00-2770	EA	TuneView remote only (Tripp Lite TVREM-200C) .....		334.59	
27 29 00 00-2771	EA	TuneView for iTunes (Tripp Lite TVU-200C) .....		429.97	
27 29 00 00-2772	EA	USB A/A Extension Gold Cable A-M/F - 10' (Tripp Lite U004-010-R) .....		25.88	
27 29 00 00-2773	EA	USB Right Angle Gold Extension Cable A-F/M(90deg) - 10' (Tripp Lite U005-10I) .....		21.56	
27 29 00 00-2774	EA	USB over Category 5 Extension, up to 40M/125', USB A M/F (Tripp Lite U007-40M) .....		269.57	
27 29 00 00-2775	EA	USB2.0 Certified A/B Device Cable - 3' (Tripp Lite U021-003) .....		10.79	
27 29 00 00-2776	EA	USB 2.0 Gold A/B Device Cable - 6 ft. (Tripp Lite U022-006) .....		11.59	
27 29 00 00-2777	EA	USB2.0 Certified Gold A/B Device Cable - 6' (Tripp Lite U022-006-R) .....		19.41	
27 29 00 00-2778	EA	USB 2.0 Gold A/B Device Cable - 10 ft. (Tripp Lite U022-010) .....		15.09	
27 29 00 00-2779	EA	USB2.0 Certified Gold A/B Device Cable - 10' (Tripp Lite U022-010-R) .....		24.25	
27 29 00 00-2780	EA	USB2.0 Certified Gold A/B Device Cable - 15' (Tripp Lite U022-015) .....		21.03	
27 29 00 00-2781	EA	3ft USB2.0 A/B Gld Device Cbl Ferrite Chokes A Male to B Male 3' (Tripp Lite U023-003) .....		14.83	
27 29 00 00-2782	EA	USB2.0 Certified Gold A/B Device Cable with Ferrite Chokes - 6 ft. (Tripp Lite U023-006) .....		15.91	
27 29 00 00-2783	EA	USB Gold Extension Cable for USB 2.0 Cables, A (M/F) - 6' (Tripp Lite U024-006) .....		14.01	
27 29 00 00-2784	EA	USB Gold Extension Cable for USB 2.0 Cables, A (M/F) - 10' (Tripp Lite U024-010) .....		17.78	
27 29 00 00-2785	EA	USB 2.0 Port A/A 6in Ext Cable Mobile Built-in Charging Hub (Tripp Lite U024-06N-HUB) .....		32.35	
27 29 00 00-2786	EA	USB 2.0 Certified Active Extension Cable - 16 ft. (Tripp Lite U026-016) .....		86.27	
27 29 00 00-2787	EA	10M USB2.0 A/A Hi-Speed Active Extension / Repeater Cable 33ft (Tripp Lite U026-10M) .....		124.01	
27 29 00 00-2788	EA	20M USB2.0 A/A Hi-Speed Active Extension / Repeater Cable 65' (Tripp Lite U026-20M) .....		177.91	
27 29 00 00-2789	EA	USB2.0 A to 4-Pin Mini B Gold Cable - 6' (Tripp Lite U028-006) .....		10.79	
27 29 00 00-2790	EA	6-ft. USB 2.0 A to 4-Pin "Round" Mini B Gold Cable (Tripp Lite U029-006) .....		10.79	
27 29 00 00-2791	EA	3ft USB2.0 A to Mini-B Gold Device Cable A M to 5Pin Mini-B M 3' (Tripp Lite U030-003) .....		10.79	
27 29 00 00-2792	EA	USB2.0 A to 5-Pin Mini B Gold Cable - 6' (Tripp Lite U030-006) .....		11.86	
27 29 00 00-2793	EA	USB 2.0 6in Cable 5 pin mini-B Mobile Built-in Charging Hub (Tripp Lite U030-06N-HUB) .....		32.35	
27 29 00 00-2794	EA	Retractable USB 2.0 Device Cable, USB A (M)/USB B (M) - 4' (Tripp Lite U032-004-R) .....		26.95	
27 29 00 00-2795	EA	USB2.0 A/B Repeater Cable, 36' (Tripp Lite U042-036) .....		132.10	
27 29 00 00-2796	EA	USB2.0 A-M to Micro-USB 5-pin B-M Device Cable, 3' (Tripp Lite U050-003) .....		16.18	
27 29 00 00-2797	EA	USB2.0 A-M to Micro-USB 5-pin B-M Device Cable, 6' (Tripp Lite U050-006) .....		18.88	
27 29 00 00-2798	EA	10ft USB2.0 A to Micro-USB B Device Cable A M to Micro-B M 10' (Tripp Lite U050-010) .....		29.65	
27 29 00 00-2799	EA	USB to IEEE Gold Parallel Printer Adapter Cable USB A/C36M - 6' (Tripp Lite U206-006-R) .....		107.82	
27 29 00 00-2800	EA	USB to IEEE Parallel Printer Adapter Cable USB A Male to DB25 Female - 6 ft. (Tripp Lite U207-006) .....		56.62	
27 29 00 00-2801	EA	USB to Serial Adapter (Tripp Lite U209-000-R) .....		80.87	
27 29 00 00-2802	EA	4 Port USB 2.0 Peripheral Sharing Switch. Connects up to four PCs to one printer. (Tripp Lite U215-004-R) .....		177.91	
27 29 00 00-2803	EA	USB PS/2 Adapter (Tripp Lite U219-000-R) .....		47.45	
27 29 00 00-2804	EA	4 Port USB 2.0 Certified Self- or Bus-Powered Ultra-Mini Compact Hub, x4 A (F)/x1 A (M) (Tripp Lite U222-004- R) .....		97.06	
27 29 00 00-2805	EA	7 Port USB 2.0 Certified Self- or Bus-Powered Hub, x7 A (F)/x1 A (M) (Tripp Lite U222-007-R) .....		148.26	
27 29 00 00-2806	EA	USB 2.0 Hi-Speed Hub 10-Port With 2 Swivel (Tripp Lite U222-010-R) .....		188.70	
27 29 00 00-2807	EA	4-Port Industrial USB 2.0 Hub Heavy Duty 15kV ESD Immunity (Tripp Lite U223-004-IND) .....		452.87	
27 29 00 00-2808	EA	USB 4Port Hub with 1 Remote Port over Category 5 (Tripp Lite U224-1R4-R) .....		350.44	
27 29 00 00-2809	EA	USB 4Port Remote Hub over Category 5 (Tripp Lite U224-4R4-R) .....		350.44	
27 29 00 00-2810	EA	4 Port USB 2.0 Certified Hub, x4 A (F)/x1 A (M) (Tripp Lite U225-004-R) .....		75.48	
27 29 00 00-2811	EA	USB2.0 Hub with File Transfer Functionality - 3Port (Tripp Lite U227-FT3-R) .....		156.35	
27 29 00 00-2812	EA	4-Pot USB 2.0 Share Switch with File Transfer (Tripp Lite U230-204-R) .....		377.39	
27 29 00 00-2813	EA	USB 2.0 Universal High-Speed File Transfer Cable (PC or Mac), 6ft (Tripp Lite U233-006-MP-R) .....		118.61	
27 29 00 00-2814	EA	USB 2.0 High-Speed File Transfer Cable (PC to PC), 6ft (Tripp Lite U233-006-PP-R) .....		107.82	
27 29 00 00-2815	EA	USB 2.0 to Ethernet Adapter 10/100 Mbps (Tripp Lite U236-000-R) .....		107.82	
27 29 00 00-2816	EA	USB 2.0 to SATA/ IDE Combo Adapter ( For 2.5" or 3.5 SATA and IDE Hard Drivers) - USB A(M) - 7 Pin SATA(F), 40 Pin IDE(F), 44 Pin IDE (F) - 1' (Tripp Lite U238-000) .....		177.91	
27 29 00 00-2817	EA	SATA Hard Drive Cradle / Docking Station USB2.0 / eSATA Windows And Macintosh compatible (Tripp Lite U239-UE1) .....		177.91	
27 29 00 00-2818	EA	USB2.0 to HDMI Display Adapter, PC / Laptop to HDTV (Tripp Lite U244-001-HDMI-R) .....		347.75	
27 29 00 00-2819	EA	USB2.0 to DVI-I/VGA Adapter (Tripp Lite U244-001-R) .....		334.26	
27 29 00 00-2820	EA	USB 2.0 to VGA Adapter (Tripp Lite U244-001-VGA-R) .....		296.52	
27 29 00 00-2821	EA	USB 3.0 Super Speed 5Gbps A-B Device Cable 3ft (Tripp Lite U322-003) .....		37.74	
27 29 00 00-2822	EA	USB 3.0 Super Speed 5Gbps A-B Device Cable 6ft (Tripp Lite U322-006) .....		45.83	
27 29 00 00-2823	EA	USB 3.0 Super Speed 5Gbps A-B Device Cable 10ft (Tripp Lite U322-010) .....		51.22	
27 29 00 00-2824	EA	USB 3.0 Super Speed 5Gbps A-B Device Cable 15ft (Tripp Lite U322-015) .....		70.08	
27 29 00 00-2825	EA	USB 3.0 Super Speed 5Gbps A Male - A Female Ext Cable 6ft (Tripp Lite U324-006) .....		45.83	
27 29 00 00-2826	EA	USB 3.0 Super Speed 5Gbps A Male - A Female Ext Cable 10ft (Tripp Lite U324-010) .....		51.22	
27 29 00 00-2827	EA	USB 3.0 Super Speed 5Gbps A to Micro B Device Cable 3ft (Tripp Lite U326-003) .....		43.13	
27 29 00 00-2828	EA	USB 3.0 Super Speed 5Gbps A to Micro B Device Cable 6ft (Tripp Lite U326-006) .....		53.92	
27 29 00 00-2829	EA	USB 3.0 Super Speed 5Gbps A to Micro B Device Cable 10ft (Tripp Lite U326-010) .....		67.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2830 EA 5M USB3.0 Super Speed A/A Active Extension Cable USB-A M/F 16ft (Tripp Lite U330-05M) .....	134.80	
27 29 00 00-2831 EA USB 3.0 SuperSpeed to SATA Adapter Cable (Tripp Lite U338-000).....	188.70	
27 29 00 00-2832 EA USB 3.0 SuperSpeed to SATA Adapter Cable (Tripp Lite U338-000-R).....	188.70	
27 29 00 00-2833 EA USB 3.0 to SATA Hard Drive Quick Dock 5 Gbps Plug And Play (Tripp Lite U339-000).....	188.70	
27 29 00 00-2834 EA USB 3.0 to HDMI Adapter 2048 x 1152 / 60 Hertz Video Resolution (Tripp Lite U344-001-HDMI-R).....	452.87	
27 29 00 00-2835 EA USB 3.0 to DVI or VGA Adapter 2048 x 1152 60 Hertz Video Resolution (Tripp Lite U344-001-R) .....	431.32	
27 29 00 00-2836 EA USB 3.0 Multi-Drive SD / CF / MS 5Gbps Plug and Play Card Reader (Tripp Lite U352-000-MD).....	161.75	
27 29 00 00-2837 EA USB 3.0 Super Speed SDXC Card Reader 5Gbps Transfer Plug And Play (Tripp Lite U352-000-SD-R) .....	86.27	
27 29 00 00-2838 EA USB 3.0 SuperSpeed External 2.5" SATA Hard Drive Enclosure (Tripp Lite U357-025-R) .....	134.80	
27 29 00 00-2839 EA USB 3.0 SuperSpeed 4-Port Hub (Tripp Lite U360-004-R).....	253.41	
27 29 00 00-2840 EA USB 3.0 Charging Hub - 2 USB 3.0; 4 USB 2.0; 1 Charging iPad2 (Tripp Lite U360-412) .....	215.65	
27 29 00 00-2841 EA USB Power Adapter for iPod, Cell Phones And More (Black) (Tripp Lite UAC-1B) .....	46.91	
27 29 00 00-2842 EA Relocateable Power Taps, 9 outlets, 15' cord, Metal-Receptacle Series, no switch, outlet on end. Blue/Gray Color With tabs (Tripp Lite UL17CB-15).....	105.54	
27 29 00 00-2843 EA Relocateable Power Taps, 6 outlets, 15' cord, Metal-Receptacle Series, switch pilot light. Blue/Gray Color w/tabs (Tripp Lite UL24CB-15).....	94.98	
27 29 00 00-2844 EA Relocateable Power Taps, 6 outlets, 15' cord, Metal-Receptacle, turned 90 degrees, switch pilot light. Blue/Gray Color w/tabs (Tripp Lite UL24RA-15).....	98.50	
27 29 00 00-2845 EA Relocateable Power Taps, 4 outlets, 6' cord, Metal-Receptacle Series, no switch. Blue/Gray Color w/tabs (Tripp Lite UL603CB-6).....	63.32	
27 29 00 00-2846 EA Relocateable Power Taps, 6 outlets, 15' cord, Metal-Duplex Series, switch pilot light. 20 Amperes. Blue/Gray Color w/tabs (Tripp Lite UL620-15).....	223.39	
27 29 00 00-2847 EA Relocateable Power Taps, 10 outlets, 15' cord, Metal-receptacle Series, master switch pilot light. Black color w/tabs (Tripp Lite UL800CB-15) .....	151.27	
27 29 00 00-2848 EA 2 OUTLETS Direct Plug-In 600 JOULES Isobar Ultra Surge Suppressor 15-Amperes (Tripp Lite ULTRABLOK).....	73.49	
27 29 00 00-2849 EA 2 OUTLETS Direct Plug-In 600 JOULES Isobar Ultra Surge Suppressor with Modem/Fax Protection (Tripp Lite ULTRAFAX).....	106.32	
27 29 00 00-2850 EA IEC-320 C13 Outlet Adapter for Intil Plugs (Tripp Lite UNPLUGINT) .....	13.68	
27 29 00 00-2851 EA SmartRack UPS Front Rail Mounting Bracket (Tripp Lite UPSHDEARKIT).....	110.81	
27 29 00 00-2852 EA Wallmount Bracket for most tower UPS models. Visit: www.tripplite.com (Tripp Lite UPSWM).....	332.25	
27 29 00 00-2853 EA Digital Media Remote for iTunes (Tripp Lite URM-15T) .....	125.08	
27 29 00 00-2854 EA 4 Port USB Device Server - Int (Tripp Lite US-4AI).....	297.07	
27 29 00 00-2855 EA USB High Speed Serial Adapter (Tripp Lite USA-19HS) .....	87.95	
27 29 00 00-2856 EA USB Twin Serial Adapter ROHS (Tripp Lite USA-28XG) .....	436.71	
27 29 00 00-2857 EA 4 Port Serial Adapter RoHS (Tripp Lite USA-49WG) .....	429.97	
27 29 00 00-2858 EA 1,250 Watt, 12 Volt DC to AC Inverter for Utility/Work Truck With 2 GFCI Outlets (Tripp Lite UT1250UL).....	1,741.37	
27 29 00 00-2859 EA 2,000 Watt, 12 Volt DC to AC Inverter for Utility/Work Truck With 2 GFCI Outlets (Tripp Lite UT2012UL).....	2,726.39	
27 29 00 00-2860 EA 750 Watt, 12 Volt DC to AC Inverter for Utility/Work Truck With 2 GFCI Outlets (Tripp Lite UT750UL).....	1,389.58	
27 29 00 00-2861 EA 5-16kVA UPS + BP Regular Business Hours Startup in Service Area (Tripp Lite W02-BW0) .....	3,517.92	
27 29 00 00-2862 EA 5-16kVA UPS + BP Regular Business Hours Startup +1yr Onsite Warranty in Service Area (Tripp Lite W02-BW1- 1BD) .....	6,332.26	
27 29 00 00-2863 EA 5-16kVA UPS + BP Regular Business Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02- BW1-247) .....	7,211.74	
27 29 00 00-2864 EA 5-16kVA UPS + BP Regular Business Hours Startup +2yr Onsite Warranty in Service Area (Tripp Lite W02-BW2- 1BD) .....	9,146.59	
27 29 00 00-2865 EA 5-16kVA UPS + BP Regular Business Hours Startup +2yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02- BW2-247) .....	10,905.55	
27 29 00 00-2866 EA 5-16kVA UPS + BP Regular Business Hours Startup +3yr OnSite Warranty in Service Area (Tripp Lite W02-BW3- 1BD) .....	11,960.93	
27 29 00 00-2867 EA 5-16kVA UPS + BP Regular Business Hours Startup +3yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02- BW3-247) .....	14,599.37	
27 29 00 00-2868 EA 5-16kVA UPS + BP Eve/Wknd Hours Startup in Service Area (Tripp Lite W02-EW0) .....	5,276.88	
27 29 00 00-2869 EA 5-16kVA UPS + BP Eve/Wknd Hours Startup +1yr Onsite Warranty in Service Area (Tripp Lite W02-EW1-1BD).....	8,091.22	
27 29 00 00-2870 EA 5-16kVA UPS + BP Eve/Wknd Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-EW1- 247) .....	8,970.70	
27 29 00 00-2871 EA 5-16kVA UPS + BP Eve/Wknd Hours Startup +2yr Onsite Warranty in Service Area (Tripp Lite W02-EW2-1BD).....	10,905.55	
27 29 00 00-2872 EA 5-16kVA UPS + BP Eve/Wknd Hours Startup +2yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-EW2- 247) .....	12,664.51	
27 29 00 00-2873 EA 5-16kVA UPS + BP Eve/Wknd Hours Startup +3yr Onsite Warranty in Service Area (Tripp Lite W02-EW3-1BD).....	13,719.89	
27 29 00 00-2874 EA 5-16kVA UPS + BP Eve/Wknd Hours Startup +3yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-EW3- 247) .....	16,358.33	
27 29 00 00-2875 EA 20-40kVA UPS Regular Business Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W05-BW1- 247) .....	5,980.46	
27 29 00 00-2876 EA 20-40kVA UPS+1BP Regular Business Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W05- BW1-247-1B).....	8,443.01	
27 29 00 00-2877 EA 20-40kVA UPS Eve/Wknd Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W05-EW1-247).....	7,739.42	
27 29 00 00-2878 EA 20-40kVA UPS+1BP Eve/Wknd Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W05-EW1- 247-1B).....	11,433.24	
27 29 00 00-2879 EA 20-40kVA UPS Prevent Maint AllHrs +1yr Onsite Warranty in Service Area (Tripp Lite W05-SCBAS1) .....	14,599.37	
27 29 00 00-2880 EA 20-40kVA UPS +1BP Prevent Maint AllHrs +1yr Onsite Warranty in Service Area (Tripp Lite W05-SCBAS1-1B).....	16,710.12	
27 29 00 00-2881 EA 20-40kVA UPS Prevent Maint Eve/Wknd Hours +1yr Onsite Warranty in Service Area (Tripp Lite W05-SCENH1).....	16,270.38	
27 29 00 00-2882 EA 20-40kVA UPS +1BP Prevent Maint Eve/Wknd Hours +1yr Onsite Warranty in Service Area (Tripp Lite W05- SCENH1-1B) .....	18,644.98	
27 29 00 00-2883 EA 60-80kVA UPS Startup Regular Business Hours +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W06-BW1- 247) .....	7,035.84	
27 29 00 00-2884 EA 60-80kVA UPS+1BP Startup Regular Business Hours +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W06- BW1-247-1B).....	9,850.18	
27 29 00 00-2885 EA 60-80kVA UPS Startup Eve/Wknd Hours +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W06-EW1-247).....	8,794.80	
27 29 00 00-2886 EA 60-80kVA UPS+1BP Startup Eve/Wknd Hours And 1 year 24/7 Onsite Warranty in Service Area (Tripp Lite W06- EW1-247-1B).....	12,312.72	
27 29 00 00-2887 EA 60-80kVA UPS Prevent Maint All Hours And 1 year Onsite Warranty in Service Area (Tripp Lite W06-SCBAS1) .....	14,317.93	
27 29 00 00-2888 EA 60-80kVA UPS+1BP Maint AllHrs And 1 year Onsite Warranty in Service Area (Tripp Lite W06-SCBAS1-1B).....	18,856.05	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2889	EA	60-80kVA UPS Prevent Maint Eve/Wknd Hours and 1yr Onsite Warranty in Service Area (Tripp Lite W06-SCENH1).....	15,127.06	
27 29 00 00-2890	EA	60-80kVA UPS+1BP Maint Eve/Wknd Hours And 1 year Onsite Warranty in Service Area (Tripp Lite W06-SCENH1-1B).....	20,157.68	
27 29 00 00-2891	EA	WatchDog Service Monitoring/Rebooting Software. (Tripp Lite WATCHDOG).....	97.72	
27 29 00 00-2892	EA	3-Year Extended Warranty Coverage for 2200-3000VA Smart Pro And Smart Online UPS (Tripp Lite WEXT3-2200-3000).....	281.43	
27 29 00 00-2893	EA	3-Year Extended Warranty Coverage for SMART5000RT3U UPS (Tripp Lite WEXT3-5000).....	865.41	
27 29 00 00-2894	EA	3-Year Extended Warranty Coverage for SMART5000TEL3U UPS (Tripp Lite WEXT3-5000TEL).....	605.08	
27 29 00 00-2895	EA	3-Year Extended Warranty Coverage for SMART5000RT3UXR UPS (Tripp Lite WEXT3-5000XR).....	1,196.09	
27 29 00 00-2896	EA	3-Year Extended Warranty Coverage for 500-1500VA Smart Pro And Smart Online UPS (Tripp Lite WEXT3-500-1500).....	140.72	
27 29 00 00-2897	EA	3-Year Extended Warranty Coverage for BP192V12 Battery Pack (Tripp Lite WEXT3-BP192V12).....	316.61	
27 29 00 00-2898	EA	3-Year Extended Warranty Coverage for BP192V18 Battery Pack (Tripp Lite WEXT3-BP192V18).....	527.69	
27 29 00 00-2899	EA	3-Year Extended Warranty Coverage for BP240V10 Battery Pack (Tripp Lite WEXT3-BP240V10).....	235.70	
27 29 00 00-2900	EA	3-Year Extended Warranty Coverage for 24 Volt Battery Pack (Tripp Lite WEXT3-BP24V).....	165.34	
27 29 00 00-2901	EA	3-Year Extended Warranty Coverage for 36 Volt Battery Pack (Tripp Lite WEXT3-BP36V).....	165.34	
27 29 00 00-2902	EA	3-Year Extended Warranty Coverage for 48 Volt Battery Pack (Tripp Lite WEXT3-BP48V).....	188.21	
27 29 00 00-2903	EA	3-Year Extended Warranty Coverage for BP48V24-2U Battery Pack (Tripp Lite WEXT3-BP48V24).....	119.26	
27 29 00 00-2904	EA	3-Year Extended Warranty Coverage for BP48V48RT4U Battery Pack (Tripp Lite WEXT3-BP48V48).....	257.86	
27 29 00 00-2905	EA	3-Year Extended Warranty Coverage for BP48V60-3U Battery Pack (Tripp Lite WEXT3-BP48V60).....	235.70	
27 29 00 00-2906	EA	3-Year Extended Warranty Coverage for 72V Battery Pack (Tripp Lite WEXT3-BP72V).....	188.21	
27 29 00 00-2907	EA	3-Year Extended Warranty Coverage for ENVIROSENSE (Tripp Lite WEXT3-ENVIRO).....	94.98	
27 29 00 00-2908	EA	3-YR Extended Warranty for Console KVM Switches (Tripp Lite WEXT3-KVM-CONS).....	1,934.86	
27 29 00 00-2909	EA	3-YR Extended Warranty for Rackmount Non-Console KVM Switches (Tripp Lite WEXT3-KVM-RMNC).....	3,869.71	
27 29 00 00-2910	EA	3-Year Extended Warranty Coverage for Omni Smart And Omni Pro UPS (Tripp Lite WEXT3-OMNI).....	140.72	
27 29 00 00-2911	EA	3-Year Extended Warranty Coverage for PDUMH15AT and PDUMH20AT (Tripp Lite WEXT3-PDU-AT).....	102.02	
27 29 00 00-2912	EA	3-Year Extended Warranty Coverage for Switched PDU's ending with ATNET (Tripp Lite WEXT3-PDU-ATNET).....	126.65	
27 29 00 00-2913	EA	3-Year Extended Warranty Coverage for Switched PDU's ending with HVNET (Tripp Lite WEXT3-PDU-HVNET).....	140.72	
27 29 00 00-2914	EA	3-Year Extended Warranty Coverage for MN Monitored PDU's (Tripp Lite WEXT3-PDU-MN).....	123.13	
27 29 00 00-2915	EA	3-Year Extended Warranty Coverage for Switched PDU's ending with NET (Tripp Lite WEXT3-PDU-NET).....	168.86	
27 29 00 00-2916	EA	3-Year Extended Warranty Coverage for SNMPWEBCARD And SNMPWEBSOLO (Tripp Lite WEXT3-SNMP).....	94.98	
27 29 00 00-2917	EA	3-Year Extended Warranty Coverage for SRCOOL12K (Tripp Lite WEXT3-SRCOOL12K).....	474.92	
27 29 00 00-2918	EA	3-Year Extended Warranty Coverage for SU10KRT3U UPS (Tripp Lite WEXT3-SU10K).....	1,685.08	
27 29 00 00-2919	EA	3-Year Extended Warranty Coverage for SU10KRT3UHV UPS (Tripp Lite WEXT3-SU10KHV).....	1,364.95	
27 29 00 00-2920	EA	3-YR Ext Warranty For SU16K - SU20K Single-Phase UPS Models (Tripp Lite WEXT3-SU16-20K).....	2,673.62	
27 29 00 00-2921	EA	3-Year Extended Warranty Coverage for Smart Online 5000VA UPS (Tripp Lite WEXT3-SU5000).....	981.50	
27 29 00 00-2922	EA	3-Year Extended Warranty Coverage for Smart Online 5000VA HV UPS (Tripp Lite WEXT3-SU5000HV).....	819.68	
27 29 00 00-2923	EA	3-Year Extended Warranty Coverage for Smart Online 6000VA UPS (Tripp Lite WEXT3-SU6000).....	1,196.09	
27 29 00 00-2924	EA	3-Year Extended Warranty Coverage for Smart Online 6000VA HV UPS (Tripp Lite WEXT3-SU6000HV).....	949.84	
27 29 00 00-2925	EA	3-Year Extended Warranty Coverage for SU6000RT3UXR UPS (Tripp Lite WEXT3-SU6000XR).....	1,474.01	
27 29 00 00-2926	EA	3-Year Extended Warranty Coverage for Smart Online 8000VA UPS (Tripp Lite WEXT3-SU8000).....	1,220.72	
27 29 00 00-2927	EA	5-Year Extended Warranty Coverage for 2200-3000VA Smart Pro And Smart Online UPS (Tripp Lite WEXT5-2200-3000).....	773.94	
27 29 00 00-2928	EA	5-Year Extended Warranty Coverage for 5000VA Smart Online And Smart Pro UPS (Tripp Lite WEXT5-5000).....	2,592.71	
27 29 00 00-2929	EA	5-Year Extended Warranty Coverage for SMART5000TEL3U UPS (Tripp Lite WEXT5-5000TEL).....	1,815.25	
27 29 00 00-2930	EA	5-Year Extended Warranty Coverage for SMART5000RT3UXR UPS (Tripp Lite WEXT5-5000XR).....	3,584.76	
27 29 00 00-2931	EA	5-Year Extended Warranty Coverage for 500-1500VA Smart Pro And Smart Online UPS (Tripp Lite WEXT5-500-1500).....	386.97	
27 29 00 00-2932	EA	5-Year Extended Warranty Coverage for BC Personal UPS (Tripp Lite WEXT5-BCPERS).....	258.57	
27 29 00 00-2933	EA	5-Year Extended Warranty Coverage for BC Pro UPS (Tripp Lite WEXT5-BCPRO).....	386.97	
27 29 00 00-2934	EA	5-Year Extended Warranty Coverage for BP192V12 Battery Pack (Tripp Lite WEXT5-BP192V12).....	942.80	
27 29 00 00-2935	EA	5-Year Extended Warranty Coverage for BP192V18 Battery Pack (Tripp Lite WEXT5-BP192V18).....	1,583.06	
27 29 00 00-2936	EA	5-Year Extended Warranty Coverage for BP240V10-3U Battery Pack (Tripp Lite WEXT5-BP240V10).....	703.58	
27 29 00 00-2937	EA	5-Year Extended Warranty Coverage for 24 Volt Battery Pack (Tripp Lite WEXT5-BP24V).....	450.29	
27 29 00 00-2938	EA	5-Year Extended Warranty Coverage for 36 Volt Battery Pack (Tripp Lite WEXT5-BP36V).....	450.29	
27 29 00 00-2939	EA	5-Year Extended Warranty Coverage for 48 Volt Battery Pack (Tripp Lite WEXT5-BP48V).....	517.13	
27 29 00 00-2940	EA	5-Year Extended Warranty Coverage for BP48V24-2U / TAA Battery Pack (Tripp Lite WEXT5-BP48V24).....	357.77	
27 29 00 00-2941	EA	5-Year Extended Warranty Coverage for BP48V48RT4U Battery Pack (Tripp Lite WEXT5-BP48V48).....	773.59	
27 29 00 00-2942	EA	5-Year Extended Warranty Coverage for BP48V60-3U Battery Pack (Tripp Lite WEXT5-BP48V60).....	703.58	
27 29 00 00-2943	EA	5-Year Extended Warranty Coverage for 72V Battery Pack (Tripp Lite WEXT5-BP72V).....	517.13	
27 29 00 00-2944	EA	5-Year Extended Warranty Coverage for ENVIROSENSE (Tripp Lite WEXT5-ENVIRO).....	258.57	
27 29 00 00-2945	EA	5-Year Extended Warranty Coverage for Internet Office UPS (Tripp Lite WEXT5-INTERNET).....	175.90	
27 29 00 00-2946	EA	5-YR Extended Warranty for Console KVM Switches (Tripp Lite WEXT5-KVM-CONS).....	3,869.71	
27 29 00 00-2947	EA	5-YR Extended Warranty for Rackmount Non-Console KVM Switches (Tripp Lite WEXT5-KVM-RMNC).....	7,739.42	
27 29 00 00-2948	EA	5-Year Extended Warranty Coverage for Omni Smart And Omni Pro UPS (Tripp Lite WEXT5-OMNI).....	386.97	
27 29 00 00-2949	EA	5-Year Extended Warranty Coverage for PDUMH15AT and PDUMH20AT (Tripp Lite WEXT5-PDU-AT).....	299.02	
27 29 00 00-2950	EA	5-Year Extended Warranty Coverage for Switched PDU's ending with ATNET (Tripp Lite WEXT5-PDU-ATNET).....	376.42	
27 29 00 00-2951	EA	5-Year Extended Warranty Coverage for Switched PDU's ending with HVNET (Tripp Lite WEXT5-PDU-HVNET).....	415.11	
27 29 00 00-2952	EA	5-Year Extended Warranty Coverage for MN Monitored PDU's (Tripp Lite WEXT5-PDU-MN).....	334.20	
27 29 00 00-2953	EA	5-Year Extended Warranty Coverage for Switched PDU's ending with NET (Tripp Lite WEXT5-PDU-NET).....	506.58	
27 29 00 00-2954	EA	5-Year Extended Warranty Coverage for SNMPWEBCARD And SNMPWEBSOLO (Tripp Lite WEXT5-SNMP).....	258.57	
27 29 00 00-2955	EA	5-Year Extended Warranty Coverage for SRCOOL12K (Tripp Lite WEXT5-SRCOOL12K).....	949.84	
27 29 00 00-2956	EA	5-Year Extended Warranty Coverage for SU10KRT3U UPS (Tripp Lite WEXT5-SU10K).....	5,051.73	
27 29 00 00-2957	EA	5-Year Extended Warranty Coverage for SU10KRT3UHV UPS (Tripp Lite WEXT5-SU10KHV).....	4,091.34	
27 29 00 00-2958	EA	5-YR Ext Warranty For SU16K - SU20K Single-Phase UPS Models (Tripp Lite WEXT5-SU16-20K).....	8,020.86	
27 29 00 00-2959	EA	5-Year Extended Warranty Coverage for Smart Online 5000VA UPS (Tripp Lite WEXT5-SU5000).....	2,944.50	
27 29 00 00-2960	EA	5-Year Extended Warranty Coverage for Smart Online 5000VA HV UPS (Tripp Lite WEXT5-SU5000HV).....	2,459.03	
27 29 00 00-2961	EA	5-Year Extended Warranty Coverage for Smart Online 6000VA UPS (Tripp Lite WEXT5-SU6000).....	3,584.76	
27 29 00 00-2962	EA	5-Year Extended Warranty Coverage for Smart Online 6000VA HV UPS (Tripp Lite WEXT5-SU6000HV).....	2,846.00	
27 29 00 00-2963	EA	5-Year Extended Warranty Coverage for SU6000RT5UXR UPS (Tripp Lite WEXT5-SU6000XR).....	4,422.03	
27 29 00 00-2964	EA	5-Year Extended Warranty Coverage for Smart Online 8000VA UPS (Tripp Lite WEXT5-SU8000).....	3,662.15	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

## 27 30 Voice Communications <sup>(27)</sup>

### 27 31 Voice Communications Switching and Routing Equipment <sup>(27 30)</sup>

Note: Includes testing of new devices and certification.

#### 27 31 13 PBX/Key Systems <sup>(27 31)</sup>

27 31 13 00-0001	EA	Interior PBX Telephone System <sup>(27 31 13)</sup> Note: Includes telephone instruments cabling and solid state switching.		
27 31 13 00-0002	EA	Interior PBX Telephone System <sup>(27 31 13 00-0001)</sup> Note: Cost is for each line up to 1000 lines.		
27 31 13 00-0003	EA	1 Line PBX Connection, Cost Per Each Line Up To 1,000 .....	1,696.51	543.72
27 31 13 00-0004	EA	Additional Telephones Less Solid State Switching (PBX) <sup>(27 31 13 00-0001)</sup>		
27 31 13 00-0005	EA	Add For Each Additional PBX Phone Line Less Solid State Switching.....	596.43	42.77
27 31 13 00-0006	EA	Telephones <sup>(27 31 13 00-0001)</sup>		
27 31 13 00-0007	EA	Telephones, Desk Type Intercommunication Equipment.....	226.33	40.68
27 31 13 00-0008	EA	Telephones, Wall Type Intercommunication Equipment.....	253.75	54.24

### 27 32 Voice Communications Terminal Equipment <sup>(27 30)</sup>

Note: Includes testing of new devices and certification.

#### 27 32 13 Telephone Sets <sup>(27 32)</sup>

27 32 13 00-0001	EA	Interior Telephone Components <sup>(27 32 13)</sup>		
27 32 13 00-0002	EA	Solid State Exchange Unit With Power Supply.....	6,993.14	953.20
27 32 13 00-0003	EA	Dial Telephone - Handset In Cabinet.....	846.54	77.92
27 32 13 00-0004	EA	Elevator Cab Telephone With Trailer Cable.....	421.03	83.55
27 32 13 00-0005	EA	Loud Ring Bell, 6".....	327.97	77.50
27 32 13 00-0006	EA	Audio/Visual Indicator.....	423.06	73.02
27 32 13 00-0007	EA	Administrative Telephone With Digital Display.....	442.78	65.51
27 32 13 00-0008	EA	Processing Unit For 16 Station System.....	2,151.86	534.38
27 32 13 00-0009	EA	Handset For 16 Station System.....	310.78	53.20
27 32 13 00-0010	EA	Handset In Cabinet, For 16 Station System.....	421.05	71.76
27 32 13 00-0011	MLF	20 Conductor Unshielded Cable, #22.....	2,678.26	1,150.23
27 32 13 00-0012	EA	Power Supply For 16 Station System.....	375.70	141.96
27 32 13 00-0013	EA	Intercom Terminal Board.....	325.06	159.80
27 32 13 00-0014	EA	Power Supply For Five Station System, 24 Volt DC.....	391.67	141.96
27 32 13 00-0015	EA	Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick.....	193.19	58.32
27 32 13 00-0016	EA	Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep.....	615.24	128.36
27 32 13 00-0017	EA	Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep.....	727.73	145.89
27 32 13 00-0018	EA	Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep.....	883.46	172.67
27 32 13 00-0019	EA	Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep.....	1,046.18	186.67
27 32 13 00-0020	EA	Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep.....	1,647.57	212.41
27 32 13 00-0021	EA	Ring Rung 3".....	11.46	5.82
27 32 13 00-0022	EA	G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID.....	29.08	10.33
27 32 13 00-0023	EA	G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing.....	52.22	21.17

#### 27 32 13 00-0024 Interior Telephone Accessories <sup>(27 32 13)</sup>

27 32 13 00-0025	EA	Blank Telephone Receptacle, Exposed Devices - Complete.....	11.97	5.63
27 32 13 00-0026	EA	4-Pin Telephone Receptacle, Exposed Devices - Complete.....	27.76	21.70
27 32 13 00-0027	EA	Dual Flush Mounted, Level 5, RJ-45 Jack, Complete.....	72.60	23.82
27 32 13 00-0028	EA	Wall Mount, Level 5, RJ-45 Jack, Complete.....	67.05	23.82
27 32 13 00-0029	EA	Terminating Strips, Inside.....	136.89	47.64
27 32 13 00-0030	EA	Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete.....	55.43	24.51
27 32 13 00-0031	EA	Ready Access Closure 3 To 25 Pair.....	165.68	57.48
27 32 13 00-0032	EA	Ready Access Closure 25 To 100 Pair.....	197.63	64.25
27 32 13 00-0033	EA	Termination Block With Bracket 25 Pair.....	65.82	19.30
27 32 13 00-0034	EA	RJ-11 Telephone Receptacle, Concealed Devices - Complete.....	54.31	24.20
27 32 13 00-0035	EA	Interior Protected Terminal 25 Pair.....	856.09	139.36
27 32 13 00-0036	EA	Interior Protected Terminal 50 Pair.....	1,046.36	141.55
27 32 13 00-0037	EA	Pedestal 6" x 6" x 50" 3 To 100 Pair.....	337.64	58.00
27 32 13 00-0038	EA	Pedestal 8" x 8" x 50" 100 To 300 Pair.....	350.95	58.00
27 32 13 00-0039	EA	Pedestal 10" x 10" x 43" 300 To 600 Pair.....	466.63	74.16
27 32 13 00-0040	EA	Pedestal 10" x 16" x 439 600 Pair.....	995.00	133.62
27 32 13 00-0041	EA	Entrance Protector Terminal 100 Pair.....	1,419.82	152.50
27 32 13 00-0042	EA	Gas Protection Module.....	18.28	5.21
27 32 13 00-0043	EA	Terminating Boxes, Outside With 3 Element Protectors, Per Pair.....	37.26	4.76

#### 27 32 26 Ring-Down Emergency Telephones <sup>(27 32)</sup>





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>27 32 26 00-0001</b>		<b>Emergency Telephone</b> <small>(27 32 26)</small>		
		<small>Note: Includes CB3000 speakerphone, 3 auxiliary Inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70 watt area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant Lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.</small>		
27 32 26 00-0002	EA	Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s).....	10,464.50	429.95
		<small>Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.</small>		
27 32 26 00-0003	EA	Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d).....	11,019.43	429.95
		<small>Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.</small>		
27 32 26 00-0004	EA	Analog Speakerphone With Black Info Button And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2) .....	184.98	
27 32 26 00-0005	EA	Analog Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2-K).....	277.47	
27 32 26 00-0006	EA	IP Speakerphone With Single Red Push For Help Button Code Blue Option (Code Blue IP5000 FP1) .....	693.66	
27 32 26 00-0007	EA	IP Speakerphone With Back Info Button And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2).....	943.38	
27 32 26 00-0008	EA	IP Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2-K).....	1,035.87	
27 32 26 00-0009	EA	EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option .....	18.50	
27 32 26 00-0010	EA	EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option .....	18.50	
27 32 26 00-0011	EA	Directory, Second Opening Code Blue Option.....	166.48	
27 32 26 00-0012	EA	Camera Enclosure With Color IP Camera, Second Opening Code Blue Option.....	1,757.28	
27 32 26 00-0013	EA	HID Card Reader, Second Opening Code Blue Option .....	813.90	
27 32 26 00-0014	EA	HID Card Reader And Color IP Camera, Second Opening Code Blue Option .....	2,635.92	
27 32 26 00-0015	EA	IP Wireless Communication Code Blue Option.....	5,540.06	
		<small>Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.</small>		
27 32 26 00-0016	EA	Active Venting Code Blue Option.....	295.96	
27 32 26 00-0017	EA	Night Charge Power Code Blue Option .....	2,580.43	
		<small>Note: Requires 120V AC external power supplied to Code Blue unit.</small>		
27 32 26 00-0018	EA	Power Transformer Kit, Alternate Incoming Power Code Blue Option.....	647.42	
27 32 26 00-0019	EA	Overhead Camera Mount Code Blue Option .....	1,470.57	
		<small>Note: Excludes camera.</small>		
27 32 26 00-0020	EA	Custom Color For Overhead Camera Mount Code Blue Option .....	64.74	
<b>27 32 26 00-0021</b>		<b>City Police Call System</b> <small>(27 32 26)</small>		
<b>27 32 26 00-0022</b>		<b>Components</b> <small>(27 32 26 00-0021)</small>		
27 32 26 00-0023	EA	City Police Call System.....	811.30	121.62
27 32 26 00-0024	EA	Concrete Foundation For Police Department Telephone Post.....	711.58	176.18

## 27 40 Audio-Video Communications (27)

### 27 41 Audio-Video Systems (27 40)

#### 27 41 16 Integrated Audio-Video Systems and Equipment (27 41)

Note: Includes testing of new devices and certification.

<b>27 41 16 00-0001</b>		<b>Television Distribution System</b> <small>(27 41 16)</small>		
		<small>See CSI section 26 05 13 16-0001 for basic wiring.</small>		
<b>27 41 16 00-0002</b>		<b>Mounted Television Support</b> <small>(27 41 16 00-0001)</small>		
27 41 16 00-0003	EA	Ceiling Mounted Television Support, 19" To 20".....	434.31	117.05
27 41 16 00-0004	EA	Ceiling Mounted Television Support, 19" To 20" With Rack .....	566.49	130.63
27 41 16 00-0005	EA	Ceiling Mounted Television Support, 25" To 27".....	454.85	117.05
27 41 16 00-0006	EA	Ceiling Mounted Television Support, 25" To 27" With Rack .....	587.03	130.63
27 41 16 00-0007	EA	Wall Mounted Television Support, 13" .....	344.58	94.06
27 41 16 00-0008	EA	Wall Mounted Television Support, 13" With Rack.....	476.76	104.51
27 41 16 00-0009	EA	Wall Mounted Television Support, 19" To 20".....	371.53	94.06
27 41 16 00-0010	EA	Wall Mounted Television Support, 19" To 20" With Rack .....	503.71	104.51
27 41 16 00-0011	EA	Wall Mounted Television Support, 25" To 27".....	398.48	94.06
27 41 16 00-0012	EA	Wall Mounted Television Support, 25" To 27" With Rack .....	530.66	104.51
<b>27 41 16 00-0013</b>		<b>Distribution System</b> <small>(27 41 16 00-0001)</small>		
		<small>See CSI section 26 05 13 16-0001 for wire and cabling.</small>		
<b>27 41 16 00-0014</b>		<b>TV Distribution Rack</b> <small>(27 41 16 00-0013)</small>		
27 41 16 00-0015	EA	Steel Rack Cabinet With Shelves .....	1,592.47	191.83
27 41 16 00-0016	EA	Switch And Pilot Light .....	235.12	85.22
27 41 16 00-0017	LF	Surface Raceway With Outlets .....	27.81	11.58
27 41 16 00-0018	EA	Service Label.....	32.50	15.96
<b>27 41 16 00-0019</b>		<b>Head End Amplifier</b> <small>(27 41 16 00-0013)</small>		
27 41 16 00-0020	EA	Head End Amplifier.....	1,062.50	127.68

<b>27</b>	<b>Communications</b>
<b>27 40</b>	<b>Audio-Video Communications</b>
<b>27 41</b>	<b>Audio-Video Systems</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 41 16 00-0021 UHF In-Line Booster Amplifier And Power Supply</b> (27 41 16 00-0013)		
27 41 16 00-0022 EA UHF In-Line Booster .....	608.39	127.68
<b>27 41 16 00-0023 Preamplifiers</b> (27 41 16 00-0013)		
27 41 16 00-0024 EA VHF Preamplifier .....	768.29	127.68
27 41 16 00-0025 EA UHF Preamplifier .....	608.39	127.68
<b>27 41 16 00-0026 Power Supplies</b> (27 41 16 00-0013)		
27 41 16 00-0027 EA Common Power Supply .....	1,097.56	182.44
<b>27 41 16 00-0028 Line Splitter And Mixer</b> (27 41 16 00-0013)		
27 41 16 00-0029 EA Line Splitter .....	88.78	42.56
27 41 16 00-0030 EA Two-Way Splitter .....	101.51	42.56
27 41 16 00-0031 EA Frequency Filter .....	232.29	63.94
27 41 16 00-0032 EA Line Splitter And Mixer .....	271.57	93.88
<b>27 41 16 00-0033 Power Line Filters</b> (27 41 16 00-0013)		
27 41 16 00-0034 EA 120-Volt Power Supply Line Filter .....	458.98	85.22
<b>27 41 16 00-0035 Wall Box And Receiver Outlets</b> (27 41 16 00-0013)		
27 41 16 00-0036 EA Wall Box With Lockable Cover, Excluding Outlet Plug .....	232.29	63.94
27 41 16 00-0037 EA TV Receiver Outlet Plug .....	101.51	42.56
27 41 16 00-0038 EA TV Camera Outlet Plug .....	101.51	42.56
27 41 16 00-0039 EA Audio Outlet Plug .....	85.56	42.56
27 41 16 00-0040 EA 12 Ft RG 6U Cable With G-59 And TV Set Fittings .....	179.15	85.22
27 41 16 00-0041 EA Male Plug PL-259 .....	101.51	42.56
27 41 16 00-0042 EA Wall Box And Receiver Outlet Television Outlets .....	117.39	44.64
<b>27 41 33 Master Antenna Television Systems</b> (27 41)		
<b>27 41 33 00-0001 Antenna Systems</b> (27 41 33)		
<b>27 41 33 00-0002 Antenna</b> (27 41 33 00-0001)		
27 41 33 00-0003 EA Amateur Radio Antenna .....	1,003.63	156.46
27 41 33 00-0004 EA Multi-Band Radio Antenna .....	774.56	156.46
<b>27 41 33 00-0005 Receptacles</b> (27 41 33 00-0001)		
27 41 33 00-0006 EA Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter .....	216.32	63.94
27 41 33 00-0007 EA Multi-Band Radio Antenna System Receptacle With Mating Plugs .....	216.32	63.94
<b>27 50 Distributed Communications and Monitoring Systems</b> (27)		
<b>27 51 Distributed Audio-Video Communications Systems</b> (27 50)		
<b>27 51 17 Video Intercom and Exterior Gate Control System</b> (27 51)		
<b>27 51 17 00-0001 Video Intercom And Exterior Gate Control System</b> (27 51 17)		
27 51 17 00-0002 EA Audio Video Master Control Station With Handset, White Finish (Aiphone IX-MV7-HW) .....	1,243.02	130.63
27 51 17 00-0003 EA Audio Video Master Control Station (Aiphone AX-8MV) .....	1,002.05	130.63
27 51 17 00-0004 EA 16-call Add-on Selector For AX Masters (Aiphone AX-16SW) .....	428.62	130.63
27 51 17 00-0005 EA Central Exchange Unit (Aiphone AX-084C) .....	1,178.20	65.32
27 51 17 00-0006 EA Central Exchange Unit (Aiphone AX-248C) .....	1,603.25	65.32
27 51 17 00-0007 EA Touch Tone Programmable Dialer (Viking K-1900-5) .....	123.14	26.13
27 51 17 00-0008 EA Surface Mount Audio/Video Door Station (Aiphone IX-DV) .....	847.10	26.13
27 51 17 00-0009 EA Surface Or Flush Wall Mount Audio/Video Door Station (Aiphone IX-DVF) .....	1,163.41	26.13
27 51 17 00-0010 EA Surface Mount Audio/Video Door Station (Aiphone AX-DV) .....	379.13	26.13
27 51 17 00-0011 EA Flush Mount Audio/Video Door Station (Aiphone AX-DVF) .....	427.10	26.13
27 51 17 00-0012 EA 12 Volt, 2.5 Amperes, DC Power Supply (Aiphone PS-1225UL) .....	116.49	13.07
Note: UL Listed		
27 51 17 00-0013 EA 24 Volt, 2 Amperes, DC Power Supply (Aiphone PS-2420UL) .....	126.54	13.07
Note: UL Listed		
27 51 17 00-0014 EA IP Video Master Station (Aiphone IX-MV) .....	1,514.93	130.63
27 51 17 00-0015 EA Handset Only For IX-MV (Aiphone 285999) .....	51.93	5.22
27 51 17 00-0016 EA Hands Free Sub Master Video Monitor (Aiphone JF-2HD) .....	650.62	130.63
27 51 17 00-0017 EA Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P) .....	606.71	26.13
27 51 17 00-0018 EA Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF) .....	186.13	26.13
27 51 17 00-0019 EA Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF) .....	207.32	26.13
27 51 17 00-0020 EA Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF/A) .....	254.65	39.19
27 51 17 00-0021 EA Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880) .....	57.16	13.07



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**27 51 23 Intercommunications and Program Systems (27 51)**

**27 51 23 20 Commercial Intercommunications and Program Systems (27 51 23)**

**27 51 23 20-0001 Intercom (27 51 23 20)**

27 51 23 20-0002	EA	Intercom, Single Zone Audio Surveillance Base Station With Talkback Feature (Louroe Electronics #API-TB).....	1,002.62	104.51
27 51 23 20-0003	EA	Two-way Talk/Listen Flush Mounted, Vandal-proof Remote Station Louroe Electronics #TLSP-PB.....	1,188.62	104.51
		<i>For Surface Mounted Application, Add</i>	61.01	
27 51 23 20-0004	EA	240 Station Intercommunication System In Rack Bogen Multicom 2000.....	35,322.93	95.29

**27 51 43 Sound Reinforcement (27 51)**

Note: Includes testing of new devices and certification.

**27 51 43 00-0001 Amplifiers (27 51 43)**

27 51 43 00-0002	EA	10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10) .....	499.25	104.51
27 51 43 00-0003	EA	35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35) .....	716.80	104.51
27 51 43 00-0004	EA	60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60) .....	886.46	104.51
27 51 43 00-0005	EA	100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100) .....	956.09	104.51
27 51 43 00-0006	EA	150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150) .....	1,197.52	104.51
27 51 43 00-0007	EA	250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250) .....	1,558.55	104.51
27 51 43 00-0008	EA	Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK) .....	61.55	5.22
27 51 43 00-0009	EA	PA Equipment, Amplifiers Gogen #WMA-160.....	3,085.71	271.63

**27 51 43 00-0010 Splitters (27 51 43)**

27 51 43 00-0011	EA	24 Watt, 5 Output, Isolated Splitter (Doug Fleenor 125EE) .....	3,144.03	78.23
27 51 43 00-0012	EA	1-in/11-out Splitter (Doug Fleenor DMX) .....	2,834.30	78.23

**27 51 43 00-0013 Speakers (27 51 43)**

27 51 43 00-0014	EA	8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W) .....	188.14	27.95
27 51 43 00-0015	EA	8" Steel Baffle (Atlas Sound 51-8) .....	62.40	5.21
27 51 43 00-0016	EA	T-Bar Support (Atlas Sound EZ95-8) .....	70.00	5.21
27 51 43 00-0017	EA	8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408) .....	110.71	5.21
27 51 43 00-0018	EA	Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA) .....	100.04	9.38
27 51 43 00-0019	EA	Atlas/Soundier Speaker APC-30T.....	449.03	27.95
27 51 43 00-0020	EA	Horizontal Line Array Renkus-Heinz # SR62H .....	714.46	31.29

**27 51 43 00-0021 Accessories (27 51 43)**

27 51 43 00-0022	EA	Microphone And Stand For Audio/Video System (Bogen MBS-1000A).....	302.39	13.07
27 51 43 00-0023	EA	5 Disk CD Player For Audio/Video System (Bogen DCM290-P).....	683.25	13.07
27 51 43 00-0024	EA	Weather Proof Horn For Audio/Video System (Bogen SPT5A) .....	167.84	26.13
27 51 43 00-0025	EA	Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A) .....	315.99	26.13
27 51 43 00-0026	EA	Headset Microphone For Audio/Video System (Audio Technica Pro8Hex) .....	229.37	26.08
27 51 43 00-0027	EA	Microphone Jack For Audio/Video System .....	102.91	26.13
27 51 43 00-0028	EA	Terminal Cabinet For Audio/Video System (Atlas 121-18) .....	897.04	104.51
27 51 43 00-0029	EA	Volume Control For Audio/Video System (Bogen AT10A).....	98.12	26.13
27 51 43 00-0030	EA	Round Bridge for 8" (S86/S810) Recessed Speakers (Bogen Communications TB8).....	67.05	26.13

**27 51 43 00-0031 Removal And Reinstallation Of Speakers (27 51 43)**

Note: Includes storage, cleaning and supply materials.

27 51 43 00-0032	EA	Removal And Reinstallation Of Ceiling Mounted Speaker.....	146.04	
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**27 53 Distributed Systems (27 50)**

**27 53 13 Clock Systems (27 53)**

**27 53 13 13 Wireless Clock Systems (27 53 13)**

**27 53 13 13-0001 Wireless Synchronized GPS Clock System (Sapling) (27 53 13 13)**

**27 53 13 13-0002 Master Clock (Sapling SMA 2000 Series) (27 53 13 13-0001)**

Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.

27 53 13 13-0003	EA	Master Clock, 900 MHz Transmitter, GPS, Surface Wall Mount (Sapling SMA-2S0-1100-1) .....	7,435.00	78.23
27 53 13 13-0004	EA	Master Clock, 900 MHz Transmitter, GPS, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1100-1) .....	7,863.15	78.23
27 53 13 13-0005	EA	Master Clock, 900 MHz Transmitter, Surface Wall Mount (Sapling SMA-2S0-1000-1) .....	4,223.88	78.23
27 53 13 13-0006	EA	Master Clock, 900 MHz Transmitter, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1000-1).....	4,652.03	78.23
27 53 13 13-0007	EA	NTP Server Upgrade (Sapling SMA-000-SERV-0).....	2,930.40	

**27 53 13 13-0008 Wireless Repeaters (Sapling) (27 53 13 13-0001)**

27 53 13 13-0009	EA	Wireless Repeater, 900 MHz, RS485 Input, Surface Wall Mount (Sapling SMA-1SR-0000-1) .....	1,811.81	52.15
27 53 13 13-0010	EA	Wireless Network Repeater, 900 MHz, 110 VAC - 230 VAC, With TCP/IP For Campus Environments, Surface Wall Mount (Sapling SMA-1SM-0000-1).....	2,030.98	52.15

**27 Communications****27 50 Distributed Communications and Monitoring Systems****27 53 Distributed Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0011			<b>Wireless Round Analog Clocks (Sapling SAL-4 Series)</b> (27 53 13 13-0001) Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0012	EA		Analog, Wireless Slim Line, 900 MHz, 12" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-12R-0).....	389.62	26.08
27 53 13 13-0013	EA		Double Mount Housing With Metal Pole For Slim Line 12" Round Analog Clock, Black (Sapling SAH-1BD-12R-0).....	244.38	26.08
27 53 13 13-0014	EA		Analog, Wireless Slim Line, 900 MHz, 16" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-16R-0).....	466.76	26.08
27 53 13 13-0015	EA		Double Mount Housing With Metal Pole For Slim Line 16" Round Analog Clock, Black (Sapling SAH-1BD-16R-0).....	276.42	26.08
27 53 13 13-0016			<b>Wireless GPS Accesories (Sapling)</b> (27 53 13 13-0001)		
27 53 13 13-0017	EA		GPS Mounting Kit (Sapling M-GPS-MTG-KIT-1).....	73.96	20.86
27 53 13 13-0018	EA		Wall Mount, L-Shape, GPS Mounting Kit (Sapling M-GPS-MTG90-KIT-1).....	106.20	20.86
27 53 13 13-0019	EA		GPS Antenna Cable, 150 Foot (45.7 Meters) Length (Sapling E-ANT-CBL150F-1).....	937.42	45.64
27 53 13 13-0020	EA		GPS Antenna Cable, 300 Foot (91.4 Meters) Length (Sapling E-ANT-CBL300F-1).....	1,668.84	65.20
27 53 13 13-0021	EA		GPS Surge Protector/Arrestor (Sapling E-GPS-SURGE-1).....	587.35	5.21
27 53 13 13-0022			<b>2.4 GHz, 2.5", 6-Digit, Digital Messaging Wireless Clock System (Sapling SLDG 3000 Series)</b> (27 53 13 13) Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes. Quantities over 25 for all digital clocks are Non Cancelable, Non Returnable (NCNR). (50) Clock Minimum Quantity Required Per System order for SLDG-32S-256-4R. (25) Clock Minimum Quantity Required Per System order for SLDG-32S-256-1R. All digital clocks are available without bezel or without the housing. Contact Sapling for details. Contact Sapling for Factory Customized Message Options. All digital clocks are pre-loaded and shipped with the following messages below: (1) Tornado Warning (2) Inclement Weather (3) Take Cover (4) Evacuate (5) Lockdown (6) Fire (7) Early Dismissal (8) Flood Warning (9) Earthquake (10) Code Blue (11) All Clear (12) Operation in Progress (13) Test in Progress (14) Lunch Break (15) Shift Break.		
27 53 13 13-0023	EA		3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount (Sapling SLDG-32S-256-4R).....	1,233.23	78.23
27 53 13 13-0024	EA		3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount (Sapling SLDG-32S-256-1R).....	1,261.69	78.23
27 53 13 13-0025	EA		3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount And Relay Output/Input (Sapling SLDG-33S-256-4R).....	1,513.64	78.23
27 53 13 13-0026	EA		3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount And Relay Output/Input (Sapling SLDG-33S-256-1R).....	1,542.10	78.23
27 53 13 13-0027	EA		Short Metal Pole For Ceiling Mount Only For Double/Flag Mount, 8.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-01S-0).....	164.11	20.86
27 53 13 13-0028	EA		1BD-00S-0).....	164.11	20.86
27 53 13 13-0029	EA		Clock Message Setup Fee, Per Clock (Sapling CLK-MSG-SETUP).....	29.30	
27 53 13 13-0030	EA		USB Programming Cable + Software For 3200/3300 Digital Clocks (Sapling D-USB485-INTF-1).....	235.98	2.61
27 53 13 13-0031	EA		Elapsed Timer Control Panel For 3200/3300 Clock Model (Sapling SBD-ELT-001-0).....	471.97	5.21
27 53 13 13-0032	EA		Elapsed Timer Specialty Buttons Kit (Sapling SBD-ELT-BUT-0).....	85.80	2.61
27 53 13 13-0033	EA		Elapsed Timer Clear Protective Cover - Set of 2 Covers (Sapling A-ELT-CLR-GUARD-1).....	17.16	0.52
27 53 13 13-0034	EA		Temperature Sensor for 3200/3300 Digital Clock Model (Sapling SBD-TEMP-000-0).....	107.13	5.21
27 53 13 13-0035			<b>2.4 GHz Wireless Message System/Master Clock And Transmitter (Sapling SMM 3000 Series)</b> (27 53 13 13) Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0036	EA		Master Clock With 2.4 GHz Transmitter For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G008-1).....	6,168.76	78.23
27 53 13 13-0037	EA		Master Clock With 2.4 GHz Transmitter And GPS For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G108-1).....	8,494.91	78.23
27 53 13 13-0038	EA		Message Input Box, 16 Inputs, Rack Mount, For SMM Master Clock (Sapling SMI-000-0016-0).....	2,719.69	52.15
27 53 13 13-0039	EA		Wireless Network Repeater, 2.4 GHz, 110 VAC - 230 VAC, with TCP/IP for Campus Environments, Surface Wall Mount (Sapling SMA-1SM-G000-1).....	1,558.15	52.15
27 53 13 13-0040	EA		NTP Server Upgrade (Sapling SMA-000-SERV-0).....	2,930.40	
27 53 13 13-0041	EA		Countdown Feature Upgrade (Sapling SMA-000-CDOW-0).....	1,450.55	
27 53 13 13-0042			<b>Clear Polycarbonate Protective Covers For Wireless Clocks (Sapling)</b> (27 53 13 13) Note: For applications requiring defense against constant moisture or fine dust, a silicone sealant between the cover and wall is recommended.		
27 53 13 13-0043	EA		Clear Polycarbonate Protective Cover For 9" Square And 12" Round Analog Clock (Sapling SAG-CLR-COVR-12).....	395.31	13.04
27 53 13 13-0044	EA		Clear Polycarbonate Protective Cover For 2.5" Digital Clock (Sapling SDG-CLR-COVR-25).....	395.31	13.04
27 53 13 13-0045			<b>Wire Guards For Wireless Synchronized Clocks (Sapling)</b> (27 53 13 13)		
27 53 13 13-0046	EA		Wire Guard For Round Or Square Analog Clocks (Sapling SAG-1200).....	217.87	13.04
27 53 13 13-0047	EA		Wire Guard for 2.5" or 4.0" Digital Clocks (Sapling SDG-2017).....	304.36	13.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 53 13 13-0048</b> <b>Wireless Synchronized Clock Transmitters</b> <small>(27 53 13 13)</small>		
<b>27 53 13 13-0049</b> <b>Analog, Wireless Synchronized Clocks (Primex Traditional Series)</b> <small>(27 53 13 13-0048)</small>		
27 53 13 13-0050    EA    12.5", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock.....	245.29	26.08
For >100 To 250, Deduct	-42.57	
For >250, Deduct	-50.29	
27 53 13 13-0051    EA    12.5", Battery Operated, Dual Sided, Analog, Wireless Synchronized Clock .....	438.43	26.08
For >100 To 250, Deduct	-29.05	
For >250, Deduct	-34.84	
27 53 13 13-0052    EA    16", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock.....	285.25	26.08
For >100 To 250, Deduct	-49.76	
For >250, Deduct	-59.09	
27 53 13 13-0053    EA    12.5", Electric, Single Sided, Analog, Wireless Synchronized Clock .....	278.59	26.08
For >100 To 250, Deduct	-48.56	
For >250, Deduct	-57.62	
27 53 13 13-0054    EA    12.5", Electric, Dual Sided, Analog, Wireless Synchronized Clock.....	505.03	26.08
For >100 To 250, Deduct	-32.71	
For >250, Deduct	-39.50	
27 53 13 13-0055    EA    16", Electric, Single Sided, Analog, Wireless Synchronized Clock .....	318.55	26.08
For >100 To 250, Deduct	-37.11	
For >250, Deduct	-47.76	
<b>27 53 13 13-0056</b> <b>Digital, Wireless Synchronized Clocks (Primex Digital Series)</b> <small>(27 53 13 13-0048)</small>		
<b>27 53 13 13-0057</b> <b>4-Digit, Digital, Wireless Synchronized Clocks</b> <small>(27 53 13 13-0056)</small>		
27 53 13 13-0058    EA    2.5", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock .....	358.51	26.08
For Green LED, Add	30.64	
For >100 To 250, Deduct	-32.31	
For >250, Deduct	-47.63	
27 53 13 13-0059    EA    2.5", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock .....	664.87	26.08
For Green LED, Add	61.27	
For >100 To 250, Deduct	-69.08	
For >250, Deduct	-173.24	
27 53 13 13-0060    EA    4", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock .....	398.47	26.08
For Green LED, Add	34.63	
For >100 To 250, Deduct	-23.39	
For >250, Deduct	-33.78	
27 53 13 13-0061    EA    4", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock.....	744.78	26.08
For Green LED, Add	69.26	
For >100 To 250, Deduct	-63.21	
For >250, Deduct	-194.81	
<b>27 53 13 13-0062</b> <b>6-Digit, Digital, Wireless Synchronized Clocks</b> <small>(27 53 13 13-0056)</small>		
27 53 13 13-0063    EA    2.5", Single Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock .....	398.47	26.08
For Green LED, Add	34.63	
For >100 To 250, Deduct	-26.85	
For >250, Deduct	-37.93	
27 53 13 13-0064    EA    2.5", Dual Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock.....	744.78	26.08
For Green LED, Add	69.26	
For >100 To 250, Deduct	-56.98	
For >250, Deduct	-132.48	
27 53 13 13-0065    EA    2.5", Flush Mount, 6-Digit, Red LED Digital, Wireless Synchronized Clock.....	465.07	26.08
For Green LED, Add	41.29	
For >100 To 250, Deduct	-22.26	
For >250, Deduct	-32.58	
<b>27 53 13 13-0066</b> <b>Wire Guards For Wireless Synchronized Clocks</b> <small>(27 53 13 13-0048)</small>		
27 53 13 13-0067    EA    18" x 18" Analog Clock Wire Guard For 16" Wireless Synchronized Clocks .....	125.98	13.04
27 53 13 13-0068    EA    Digital Clock Wire Guard For 2.5" Wireless Synchronized Clocks.....	59.38	13.04
27 53 13 13-0069    EA    Digital Clock Wire Guard For 4" Wireless Synchronized Clocks.....	66.04	13.04
<b>27 53 13 13-0070</b> <b>Wireless Synchronized Clock Transmitters</b> <small>(27 53 13 13-0048)</small>		
Note: Includes 16 channel transmitter with daylight savings bypass and time zone switch, GPS receiver, 16' cable and window installation hardware.		
27 53 13 13-0071    EA    Internal Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000).....	2,680.58	78.23
For Roof Mounted GPS Receiver, Add	408.47	
27 53 13 13-0072    EA    External Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000-E).....	4,352.23	78.23
Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.		
For Roof Mounted GPS Receiver, Add	575.64	
27 53 13 13-0073    EA    Repeater, Satellite Transmitter (Primex 14006).....	2,628.43	52.15
Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.		
<b>27 53 13 13-0074</b> <b>Accessories For Wireless Synchronized Clock Transmitters</b> <small>(27 53 13 13-0048)</small>		
27 53 13 13-0075    EA    External Antenna Mounting Kit For Wireless Synchronized Clock Transmitters.....	241.53	20.86
27 53 13 13-0076    EA    Transmitter Rack For Wireless Synchronized Clock Transmitters.....	110.99	20.86
27 53 13 13-0077    EA    Surge Protector And Battery Back Up For Wireless Synchronized Clock Transmitters.....	159.61	10.43

<b>27</b>	<b>Communications</b>
<b>27 50</b>	<b>Distributed Communications and Monitoring Systems</b>
<b>27 53</b>	<b>Distributed Systems</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0078 EA 50' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	141.39	26.08
27 53 13 13-0079 EA 100' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	198.11	39.12
27 53 13 13-0080 EA 200' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	290.79	52.15
<b>27 53 13 16 Wired Clock Systems (27 53 13)</b>		
<b>27 53 13 16-0001 Wired Self-Corrective Clock Systems (27 53 13 16)</b>		
<b>27 53 13 16-0002 Wired Self-Corrective Clocks (27 53 13 16-0001)</b>		
<b>27 53 13 16-0003 Analog, Wired Self-Corrective Clocks (Telecor) (27 53 13 16-0002)</b>		
<b>27 53 13 16-0004 24 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 16-0003)</b>		
27 53 13 16-0005 EA 12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	209.99	26.08
For >50 To 100, Deduct	-14.12	
For >100, Deduct	-20.43	
27 53 13 16-0006 EA 12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	491.71	26.08
For >50 To 100, Deduct	-25.39	
For >100, Deduct	-42.97	
27 53 13 16-0007 EA 16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	261.94	26.08
For >50 To 100, Deduct	-18.29	
For >100, Deduct	-26.68	
27 53 13 16-0008 EA 16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	647.55	26.08
For >50 To 100, Deduct	-67.34	
For >100, Deduct	-91.16	
<b>27 53 13 16-0009 120 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 16-0003)</b>		
27 53 13 16-0010 EA 12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	209.99	26.08
For >50 To 100, Deduct	-14.12	
For >100, Deduct	-20.43	
27 53 13 16-0011 EA 12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	491.71	26.08
For >50 To 100, Deduct	-25.39	
For >100, Deduct	-42.97	
27 53 13 16-0012 EA 16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	261.94	26.08
For >50 To 100, Deduct	-18.29	
For >100, Deduct	-26.68	
27 53 13 16-0013 EA 16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	647.55	26.08
For >50 To 100, Deduct	-67.34	
For >100, Deduct	-91.16	
<b>27 53 13 16-0014 Accessories For Analog Wired Self-Corrective Clocks (27 53 13 16-0003)</b>		
27 53 13 16-0015 EA Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks.....	170.93	13.04
27 53 13 16-0016 EA Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks .....	46.06	13.04
27 53 13 16-0017 EA Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks .....	57.55	13.04
27 53 13 16-0018 EA Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks .....	69.54	13.04
27 53 13 16-0019 EA Combination Back Box For Speaker And Clock.....	143.16	20.86
<b>27 53 13 16-0020 Digital, Wired Self-Corrective Clocks (Telecor) (27 53 13 16-0002)</b>		
<b>27 53 13 16-0021 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)</b>		
27 53 13 16-0022 EA 2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	257.94	26.08
For Surface Mount, Add	41.16	
For >50 To 100, Deduct	-12.35	
For >100, Deduct	-20.58	
27 53 13 16-0023 EA 4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	393.81	26.08
For Surface Mount, Add	68.33	
For >50 To 100, Deduct	-20.50	
For >100, Deduct	-34.17	
<b>27 53 13 16-0024 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)</b>		
27 53 13 16-0025 EA 2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	257.94	26.08
For Surface Mount, Add	41.16	
For >50 To 100, Deduct	-12.35	
For >100, Deduct	-20.58	
27 53 13 16-0026 EA 4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	393.81	26.08
For Surface Mount, Add	68.33	
For >50 To 100, Deduct	-20.50	
For >100, Deduct	-34.17	
<b>27 53 13 16-0027 Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks</b>		
(27 53 13 16-0020)		
27 53 13 16-0028 EA 2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	221.49	26.08
For >50 To 100, Deduct	-10.16	
For >100, Deduct	-16.93	
27 53 13 16-0029 EA 4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	360.84	26.08
For >50 To 100, Deduct	-18.52	
For >100, Deduct	-30.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 53 13 16-0030 Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks</b> <small>(27 53 13 16-0020)</small>		
27 53 13 16-0031 EA 2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	221.49	26.08
<i>For &gt;50 To 100, Deduct</i>	-10.16	
<i>For &gt;100, Deduct</i>	-16.93	
27 53 13 16-0032 EA 4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	360.84	26.08
<i>For &gt;50 To 100, Deduct</i>	-18.52	
<i>For &gt;100, Deduct</i>	-30.87	
<b>27 53 13 16-0033 Accessories For Digital Wired Self-Corrective Clocks</b> <small>(27 53 13 16-0020)</small>		
27 53 13 16-0034 EA Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks.....	231.87	13.04
27 53 13 16-0035 EA 2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	58.05	13.04
27 53 13 16-0036 EA 4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	79.03	13.04
27 53 13 16-0037 EA Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks.....	202.90	13.04
27 53 13 16-0038 EA 4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks.....	59.55	13.04
<b>27 53 13 16-0039 Wired Self-Corrective Master Clocks</b> <small>(27 53 13 16-0001)</small>		
<b>27 53 13 16-0040 Wired Self-Corrective Master Clocks</b> <small>(27 53 13 16-0039)</small>		
27 53 13 16-0041 EA 24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24).....	2,411.23	208.63
27 53 13 16-0042 EA 120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120).....	2,561.08	208.63
<b>27 53 13 16-0043 Accessories For Wired Self-Corrective Master Clocks</b> <small>(27 53 13 16-0039)</small>		
27 53 13 16-0044 EA 5 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405).....	255.66	52.15
27 53 13 16-0045 EA 10 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406).....	287.13	52.15
<b>27 53 13 16-0046 Other Clock And Program Systems</b> <small>(27 53 13 16)</small>		
27 53 13 16-0047 EA 4 Circuit Master Clock And Signal Control (Lathem LTR4-512).....	1,822.53	104.31
27 53 13 16-0048 EA 8 Circuit Master Clock And Signal Control (Lathem LTR8-512).....	2,184.16	208.63
27 53 13 16-0049 EA Program Bell (Lathem 906-6).....	259.72	52.15
27 53 13 16-0050 EA Combination Clock And Speaker.....	586.82	130.38
27 53 13 16-0051 EA 5 Amp, 115/220 VAC, 24 VAC, RTN, 24 VDC Power Supply (Lathem PS8-24).....	582.50	52.15

**END OF SECTION 27**

**27 Communications**

27 50 Distributed Communications and Monitoring Systems

27 53 Distributed Systems



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 28 Electronic Safety and Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

### 28 05 Common Work Results for Electronic Safety and Security <sup>(28)</sup>

28 05 26 Grounding and Bonding for Electronic Safety and Security <sup>(28 05)</sup>  
See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 53 Identification for Electronic Safety and Security <sup>(28 05)</sup>  
See CSI section 26 05 53 00-0000 for identification.

### 28 10 Access Control <sup>(28)</sup>

Note: Includes testing of new devices and certification.

### 28 15 Integrated Access Control Hardware Devices <sup>(28 10)</sup>

#### 28 15 11 Integrated Credential Readers and Field Entry Management <sup>(28 15)</sup>

##### 28 15 11 13 Keypads <sup>(28 15 11)</sup>

##### 28 15 11 13-0001 Vindicator Security Alarm System <sup>(28 15 11 13)</sup>

	EA	Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00.....	1,470.19	217.49
	EA	Detector, Passive Infrared (Security) Vindicator #316-30812-00.....	1,859.62	282.69
	EA	Premise Control Unit (Security) Vindicator #548-32004-01.....	10,542.92	619.61
	EA	Access Manager (Security Key Pad) Vindicator #548-31894-01.....	5,009.45	528.03
	EA	ALS Duress Switch (Security) Vindicator #192-30810-00.....	1,164.13	288.84

### 28 16 Access Control Interfaces <sup>(28 10)</sup>

#### 28 16 11 Access Control Interfaces to Access Control Hardware <sup>(28 16)</sup>

##### 28 16 11 00-0001 Stand Alone Access Controls <sup>(28 16 11)</sup>

##### 28 16 11 00-0002 Push Button Controls, Stand Alone Access Controls <sup>(28 16 11 00-0001)</sup>

##### 28 16 11 00-0003 Interior Mount, Push Button Controls, Stand Alone Access Controls <sup>(28 16 11 00-0002)</sup>

	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls.....	134.54	26.08
		Note: Controls mount to a standard mullion.		
	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls.....	141.40	26.08
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		
	EA	Three Button, Push Button Controls, Interior Stand Alone Access Controls For Gate Operators.....	180.88	26.08
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		

##### 28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand Alone Access Controls <sup>(28 16 11 00-0002)</sup>

	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls.....	171.15	26.08
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		
	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls.....	840.72	78.23
		Note: Includes post, mounting base and push button control. Excludes concrete foundation.		
	EA	Three Button, Exterior Stand Alone Access Controls For Gate Operators.....	283.86	26.08
		Note: Includes open, close and stop controls.		

##### 28 16 11 00-0011 Key Controls, Stand Alone Access Controls <sup>(28 16 11 00-0001)</sup>

##### 28 16 11 00-0012 Interior Mount, Key Controls, Stand Alone Access Controls <sup>(28 16 11 00-0011)</sup>

	EA	Standard Mortise Key, Key Controls, Interior Stand Alone Access Controls.....	193.75	26.08
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		

##### 28 16 11 00-0014 Exterior Mount, Key Controls, Stand Alone Access Controls <sup>(28 16 11 00-0011)</sup>

	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand Alone Access Controls.....	293.11	52.15
		Note: Opens door or gate with a postal or fire department key.		
	EA	Standard Mortise Key, Key Controls, Exterior Stand Alone Access Controls.....	475.05	52.15
	EA	Ace Key, Key Controls, Exterior Stand Alone Access Controls.....	475.05	52.15
	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand Alone Access Controls.....	735.94	52.15

##### 28 16 11 00-0019 Keypad Controls, Stand Alone Access Controls <sup>(28 16 11 00-0001)</sup>

##### 28 16 11 00-0020 Interior Mount, Keypad Controls, Stand Alone Access Controls <sup>(28 16 11 00-0019)</sup>

	EA	One Code Memory, Keypad Control, Interior Stand Alone Access Controls.....	275.28	26.08
		Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.		

**28 Electronic Safety and Security****28 10 Access Control****28 16 Access Control Interfaces**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0022			<b>Exterior Mount, Keypad Controls, Stand Alone Access Controls</b> (28 16 11 00-0019) Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0023			<b>Keypad Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0022)		
28 16 11 00-0024	EA		1000 Code Memory, Keypad Control, Exterior Stand Alone Access Controls ..... 1,152.64	1,152.64	104.31
			Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.		
			<i>For Flush Mount, Add</i>	212.40	
28 16 11 00-0025			<b>Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls</b> (28 16 11 00-0022)		
			Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0026	EA		1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls ..... 1,401.84	1,401.84	117.35
			Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.		
			<i>For Flush Mount, Add</i>	262.61	
28 16 11 00-0027			<b>RF Controls, Stand Alone Access Controls</b> (28 16 11 00-0001)		
28 16 11 00-0028			<b>Exterior Mount, RF Controls, Stand Alone Access Controls</b> (28 16 11 00-0027) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029			<b>RF Receivers, RF Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0028) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030	EA		50 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls ..... 672.05	672.05	104.31
28 16 11 00-0031	EA		100 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls ..... 764.74	764.74	104.31
28 16 11 00-0032	EA		250 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls ..... 853.99	853.99	104.31
28 16 11 00-0033	EA		500 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls ..... 950.10	950.10	104.31
28 16 11 00-0034	EA		1000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls ..... 1,039.36	1,039.36	104.31
28 16 11 00-0035	EA		5000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls ..... 1,135.47	1,135.47	104.31
28 16 11 00-0036	EA		16000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls ..... 1,224.72	1,224.72	104.31
28 16 11 00-0037			<b>RF Transmitters, RF Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0028)		
28 16 11 00-0038	EA		1 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls ..... 58.36	58.36	
			<i>For &gt;40 To 110, Deduct</i>	-2.92	
			<i>For &gt;110, Deduct</i>	-5.84	
			<i>For Built In Proximity Tags, Add</i>	11.67	
28 16 11 00-0039	EA		2 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls ..... 61.79	61.79	
			<i>For &gt;40 To 110, Deduct</i>	-3.09	
			<i>For &gt;110, Deduct</i>	-6.18	
			<i>For Built In Proximity Tags, Add</i>	12.36	
28 16 11 00-0040	EA		3 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls ..... 65.22	65.22	
			<i>For &gt;40 To 110, Deduct</i>	-3.26	
			<i>For &gt;110, Deduct</i>	-6.52	
			<i>For Built In Proximity Tags, Add</i>	13.04	
28 16 11 00-0041			<b>Accessories For RF Receivers, Exterior Stand Alone Access Controls</b> (28 16 11 00-0028)		
28 16 11 00-0042	EA		Coax Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls ..... 238.85	238.85	78.23
			Note: Includes 15' of coax cable.		
28 16 11 00-0043	EA		Antenna Amplifier For RF Receivers, Exterior Stand Alone Access Controls ..... 499.74	499.74	78.23
			Note: Includes 20' of coax cable.		
28 16 11 00-0044	EA		Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls ..... 451.68	451.68	78.23
			Note: Includes 15' of coax cable.		
28 16 11 00-0045			<b>Proximity Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0001)		
28 16 11 00-0046			<b>Exterior Mount, Proximity Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0045) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047			<b>DKS Proximity Card Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0046)		
28 16 11 00-0048			<b>DKS Proximity Card Readers, Exterior Stand Alone Access Controls</b> (28 16 11 00-0047)		
28 16 11 00-0049	EA		DKS Proximity Card Reader, Exterior Stand Alone Access Controls ..... 1,324.27	1,324.27	104.31
28 16 11 00-0050			<b>AWID Proximity Card Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0046)		
28 16 11 00-0051			<b>AWID Proximity Card Readers, Exterior Stand Alone Access Controls</b> (28 16 11 00-0050)		
28 16 11 00-0052	EA		AWID Proximity Card Reader, Exterior Stand Alone Access Controls ..... 1,444.42	1,444.42	104.31
28 16 11 00-0053			<b>HID Proximity Card Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0046)		
28 16 11 00-0054			<b>HID Proximity Card Readers, Exterior Stand Alone Access Controls</b> (28 16 11 00-0053)		
28 16 11 00-0055	EA		HID Proximity Card Reader, Exterior Stand Alone Access Controls ..... 1,719.04	1,719.04	104.31



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0056		<b>Magnetic Stripe Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0001)		
28 16 11 00-0057		<b>Interior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0056)		
28 16 11 00-0058	EA	Magnetic Stripe Reader, Interior Stand Alone Access Controls.....	775.03	104.31
28 16 11 00-0059		<b>Exterior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0056)		
		Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060	EA	Magnetic Stripe Reader, Exterior Stand Alone Access Controls.....	968.87	104.31
28 16 11 00-0061		<b>Other Stand Alone Access Controls</b> (28 16 11 00-0001)		
28 16 11 00-0062	EA	Toggle Switch, Interior Access Controls For Gate Operators .....	129.39	26.08
		Note: Controls mount into a single gang electrical box.		
28 16 11 00-0063	EA	Request To Exit Motion Detector (Bosch Security Systems DS160) .....	135.21	20.86
28 16 11 00-0064		<b>Wiegand Output Access Controls</b> (28 16 11)		
		Note: Excludes controllers.		
28 16 11 00-0065		<b>Proximity Card Controls, Wiegand Output Access Controls</b> (28 16 11 00-0064)		
28 16 11 00-0066		<b>DKS, Proximity Card Controls, Wiegand Output Access Controls</b> (28 16 11 00-0065)		
28 16 11 00-0067		<b>DKS, Proximity Cards</b> (28 16 11 00-0066)		
28 16 11 00-0068	EA	Clamshell Type, DKS Proximity Card (DKS 170).....	9.13	
28 16 11 00-0069	EA	ISO Compliant Graphics Card, DKS Proximity Card (DKS 80).....	15.06	
28 16 11 00-0070	EA	DKS Proximity Key Fob (DKS 50).....	15.86	
28 16 11 00-0071	EA	Active Tag, DKS Proximity Tag (DKS 150) .....	89.71	
		Note: Battery powered tag to boost signal.		
28 16 11 00-0072	EA	Active Tag, DKS Proximity Tag (DKS 200) .....	116.94	
		Note: Battery powered tag to boost signal.		
28 16 11 00-0073		<b>DKS, Proximity Card Readers, Wiegand Output Access Controls</b> (28 16 11 00-0066)		
28 16 11 00-0074	EA	Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small).....	443.40	130.38
28 16 11 00-0075	EA	Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion) .....	443.40	130.38
28 16 11 00-0076	EA	Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang) .....	443.40	130.38
28 16 11 00-0077	EA	Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS).....	1,298.84	130.38
		Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0078		<b>AWID, Proximity Card Controls, Wiegand Output Access Controls</b> (28 16 11 00-0065)		
28 16 11 00-0079		<b>AWID, Proximity Cards</b> (28 16 11 00-0078)		
28 16 11 00-0080	EA	Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS).....	7.69	
28 16 11 00-0081	EA	ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR).....	12.01	
28 16 11 00-0082	EA	AWID Proximity Key Fob (AWID Prox-Linc KT) .....	12.82	
28 16 11 00-0083	EA	Windshield Tag For LR 2000 Readers, AWID Proximity Tag .....	44.85	
28 16 11 00-0084	EA	Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag .....	44.85	
28 16 11 00-0085		<b>AWID, Proximity Card Readers, Wiegand Output Access Controls</b> (28 16 11 00-0078)		
28 16 11 00-0086	EA	Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400) .....	549.13	130.38
		Note: For mullion mounting.		
28 16 11 00-0087	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800) .....	779.81	130.38
		Note: For mullion mounting.		
28 16 11 00-0088	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820) .....	779.81	130.38
		Note: For single gang electrical box mounting.		
28 16 11 00-0089	EA	Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824).....	1,302.05	130.38
		Note: Includes 12 Volt DC regulated power supply.		
28 16 11 00-0090	EA	Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000) .....	7,568.88	130.38
		Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0091		<b>HID, Proximity Card Controls, Wiegand Output Access Controls</b> (28 16 11 00-0065)		
28 16 11 00-0092		<b>HID, Proximity Cards</b> (28 16 11 00-0091)		
28 16 11 00-0093	EA	Clamshell Type, HID Proximity Card (HID ProxCard II).....	17.11	
28 16 11 00-0094	EA	ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II).....	22.88	
28 16 11 00-0095	EA	HID Proximity Key Fob (HID ProxKey II) .....	23.52	

**28 Electronic Safety and Security****28 10 Access Control****28 16 Access Control Interfaces**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0096			<b>HID, Proximity Card Readers, Wiegand Output Access Controls</b> <small>(28 16 11 00-0091)</small>		
28 16 11 00-0097	EA		Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus).....	488.88	130.38
			Note: For mullion mounting. (HID P/N 6005).		
28 16 11 00-0098	EA		Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II).....	581.04	130.38
			Note: For single gang electrical box mounting. (HID P/N 5395).		
28 16 11 00-0099	EA		Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx) .....	650.16	130.38
			Note: For mullion mounting. (HID P/N 5365).		
28 16 11 00-0100	EA		EntryProx Single-Door Proximity Access Control .....	836.78	130.38
			Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.		
28 16 11 00-0101			<b>Contactless Smart Card Controls, Wiegand Output Access Controls</b> <small>(28 16 11 00-0064)</small>		
28 16 11 00-0102			<b>HID, Contactless Smart Cards</b> <small>(28 16 11 00-0101)</small>		
28 16 11 00-0103	EA		2K Bits, Clamshell Type, HID iClass, Contactless Smart Card .....	14.10	
28 16 11 00-0104	EA		16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card .....	15.39	
28 16 11 00-0105	EA		16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card .....	20.14	
28 16 11 00-0106	EA		16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card .....	10.90	
			Note: Battery powered tag to boost signal.		
28 16 11 00-0107			<b>HID, Contactless Smart Card Readers, Wiegand Output Access Controls</b> <small>(28 16 11 00-0101)</small>		
28 16 11 00-0108	EA		Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10) .....	515.03	130.38
			Note: For mullion mounting.		
28 16 11 00-0109	EA		Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40) .....	726.49	130.38
			Note: For mullion mounting.		
28 16 11 00-0110	EA		Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40).....	1,202.27	130.38
			Note: For mullion mounting.		
28 16 11 00-0111			<b>HID, Contactless Smart Card Programmer, Wiegand Output Access Controls</b> <small>(28 16 11 00-0101)</small>		
28 16 11 00-0112	EA		HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400) .....	3,878.21	130.38
			Note: For mullion mounting.		
28 16 11 00-0113			<b>Call Station Controls, Wiegand Output Access Controls</b> <small>(28 16 11 00-0064)</small>		
			Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0114	EA		Call Station With Entry Keypad, Exterior Wiegand Output Access Controls .....	1,496.57	130.38
			Note: For mullion mounting.		
28 16 11 00-0115	EA		Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls .....	1,239.11	130.38
			Note: For mullion mounting.		
28 16 11 00-0116			<b>Biometrics Readers, Wiegand Output Access Controls</b> <small>(28 16 11 00-0064)</small>		
28 16 11 00-0117	EA		Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls .....	6,308.93	104.31
28 16 11 00-0118	EA		CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls.....	7,710.74	104.31
28 16 11 00-0119	EA		Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls.....	3,026.32	104.31
28 16 11 00-0120	EA		Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass).....	1,958.19	104.31
28 16 11 00-0121	EA		Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox) .....	2,184.75	104.31
28 16 11 00-0122	EA		Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart) .....	1,958.19	104.31
28 16 11 00-0123			<b>Exterior Mounting Posts For Gate Operator Access Controls</b> <small>(28 16 11)</small>		
			Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0124			<b>2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls</b> <small>(28 16 11 00-0123)</small>		
28 16 11 00-0125	EA		44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	446.64	39.68
			Note: Includes a 5" x 5" base plate.		
28 16 11 00-0126	EA		73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	851.71	39.68
			Note: Includes an 8" x 8" base plate.		
28 16 11 00-0127	EA		Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	405.45	39.68
			Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0128			<b>4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls</b> <small>(28 16 11 00-0123)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0129 EA 59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls ..... 802.37	802.37	47.61
Note: Includes an 8" x 8" base plate.		
28 16 11 00-0130 EA 49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls ..... 953.41	953.41	47.61
Note: Includes an 8" x 8" base plate and a 14" offset from back of post.		
28 16 11 00-0131 EA Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls ..... 592.97	592.97	47.61
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
<b>28 16 11 00-0132 4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls <sup>(28 16 11 00-0123)</sup></b>		
28 16 11 00-0133 EA 59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls ..... 2,573.44	2,573.44	59.51
Note: Includes a 11" x 13" base plate.		
28 16 11 00-0134 EA 50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls ..... 2,693.58	2,693.58	59.51
Note: Includes a 10" x 14" base plate and a 14" offset from back of post.		
28 16 11 00-0135 EA Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls ..... 1,131.68	1,131.68	19.84
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0136 EA 48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls ..... 1,783.90	1,783.90	59.51
<b>28 16 11 00-0137 Access Control Accessories <sup>(28 16 11)</sup></b>		
28 16 11 00-0138 EA 6 Volt DC, 12 Volt DC, Or 24 Volt DC, At 4 Amperes, Power Supply/Charger (Altronix SMP-5) ..... 593.37	593.37	
28 16 11 00-0139 EA 7 Amperes, 12 Volt, Battery ..... 79.67	79.67	
28 16 11 00-0140 EA 18 Amperes, 12 Volt, Battery ..... 177.58	177.58	
28 16 11 00-0141 EA Door Personality Module (Sensomatic RM-4) ..... 647.32	647.32	26.08
28 16 11 00-0142 EA Mini-Alert Door Ajar Sounder (System Sensor PA400) ..... 255.81	255.81	52.15
28 16 11 00-0143 EA Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C) ..... 74.35	74.35	31.29
28 16 11 00-0144 EA Access Control Systems Power Supply (Altronix AL400ULACMCB) ..... 721.38	721.38	20.86
28 16 11 00-0145 EA Surge Suppressor (Tripp-Lite IBAR4) ..... 108.36	108.36	5.22
28 16 11 00-0146 EA Door Strike Relay (Altronix RBSN-TTL) ..... 71.95	71.95	20.86
28 16 11 00-0147 EA 4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1) ..... 427.33	427.33	
Note: Set in concrete.		
28 16 11 00-0148 EA 16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16) ..... 618.68	618.68	130.38
<b>28 16 11 00-0149 Access Controllers <sup>(28 16 11)</sup></b>		
<b>28 16 11 00-0150 Microterm Controller <sup>(28 16 11 00-0149)</sup></b>		
28 16 11 00-0151 EA Microterm Stand Alone One Or Two Door Processing Panel (Continental Instruments CICIP1100) ..... 1,642.67	1,642.67	130.38
Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.		
28 16 11 00-0152 EA Microterm PC Board (Continental Instruments CICIP1100PCB) ..... 1,196.69	1,196.69	78.23
28 16 11 00-0153 EA Battery Standby For Microterm (Continental Instruments CICIP1100BAT-2) ..... 575.14	575.14	
Note: Input 120 Volt AC, output 12 Volt DC to temporarily power the Microterm only.		
<b>28 16 11 00-0154 Miniterm Controller <sup>(28 16 11 00-0149)</sup></b>		
28 16 11 00-0155 EA Miniterm Two Reader Processing Panel (Continental Instrument CICIP1200) ..... 2,591.41	2,591.41	130.38
Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0156 EA Miniterm PC Board (Continental Instrument CICIP1200PCB) ..... 1,972.13	1,972.13	78.23
<b>28 16 11 00-0157 Super-2 Controller <sup>(28 16 11 00-0149)</sup></b>		
28 16 11 00-0158 EA Super-Two - Two Reader Processing Panel (Continental Instruments CICIP1300) ..... 1,909.31	1,909.31	130.38
Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0159 EA Super-Two - PC Board (Continental Instruments CICIP1300BD) ..... 1,320.22	1,320.22	78.23
28 16 11 00-0160 EA Network Interface Board For Super-2 (Continental Instruments CICIP1300NETBD) ..... 354.48	354.48	78.23
Note: Optional on-board adapter allows for communication over TCP/IP.		
<b>28 16 11 00-0161 Smarterm Controller <sup>(28 16 11 00-0149)</sup></b>		
28 16 11 00-0162 EA Smarterm Four Reader Processing Panel (Continental Instrument CICIP1400) ..... 5,473.93	5,473.93	156.46
Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0163 EA Smarterm PC Board (Continental Instrument CICIP1400PCB) ..... 4,232.41	4,232.41	78.23
28 16 11 00-0164 EA Smarterm Memory Board - 256K (Continental Instrument CICIP1400MB256-1) ..... 1,637.59	1,637.59	78.23
Note: Up to 10,000 cardholders.		
28 16 11 00-0165 EA Smarterm Memory Board - 2MB (Continental Instrument CICIP1400MB2-1) ..... 2,334.57	2,334.57	78.23
Note: Up to 50,000 cardholders.		
28 16 11 00-0166 EA Smarterm Relay Expander Board (Continental Instrument CICIP1400RB) ..... 1,812.30	1,812.30	78.23
Note: 16 Output relays, 8 alarm inputs.		
28 16 11 00-0167 EA Smarterm Alarm Expander Board (Continental Instrument CICIP1400RB) ..... 1,812.30	1,812.30	78.23
Note: (Supervised) 16 alarm inputs.		
<b>28 16 11 00-0168 Superterm-4 Controller <sup>(28 16 11 00-0149)</sup></b>		

**28 Electronic Safety and Security****28 10 Access Control****28 16 Access Control Interfaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0169 EA Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400UL).....	5,048.61	156.46
Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.		
28 16 11 00-0170 EA Superterm-4 PC Board (Continental Instrument CICIP1400ULPCB).....	4,160.92	78.23
<b>28 16 11 00-0171 Superterm-8 Controller</b> (28 16 11 00-0149)		
28 16 11 00-0172 EA Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800) .....	6,704.77	260.78
Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.		
28 16 11 00-0173 EA Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800EXP).....	7,285.58	260.78
Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.		
28 16 11 00-0174 EA Superterm-8 PC Board (Continental Instrument CICIP1800PCB) .....	5,608.45	78.23
<b>28 16 11 00-0175 Turbo Superterm-4 Controller</b> (28 16 11 00-0149)		
28 16 11 00-0176 EA Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400ULT).....	5,048.61	156.46
Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.		
28 16 11 00-0177 EA Turbo Superterm-4 PC Board (Continental Instrument CICIP1400ULTPCB) .....	4,160.92	78.23
<b>28 16 11 00-0178 Turbo Superterm-8 Controller</b> (28 16 11 00-0149)		
28 16 11 00-0179 EA Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800T).....	6,704.77	260.78
Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.		
28 16 11 00-0180 EA Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800TEXP) .....	7,285.58	260.78
Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.		
28 16 11 00-0181 EA Turbo Superterm-8 PC Board (Continental Instrument CICIP1800TPCB).....	5,608.45	78.23
28 16 11 00-0182 EA Superterm Memory Board - 2MB (Continental Instrument CICIP1800MB2) .....	2,334.57	78.23
Note: Up to 140,000 cardholders.		
28 16 11 00-0183 EA Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICIP1800MB2X2) .....	1,962.83	78.23
Note: Up to 140,000 cardholders.		
28 16 11 00-0184 EA Turbo Superterm-8 Relay Expander Board (Continental Instrument CICIP1800RB).....	1,814.18	78.23
Note: 16 Output relays, 8 alarm inputs.		
28 16 11 00-0185 EA Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICIP1800RB).....	1,814.18	78.23
Note: (Supervised) 16 Alarm inputs.		
28 16 11 00-0186 EA Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICIP1800PPWS).....	745.00	
<b>28 16 11 00-0187 Intelligent Controller</b> (28 16 11 00-0149)		
28 16 11 00-0188 EA Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501).....	1,297.31	78.23
28 16 11 00-0189 EA Up To 64 Doors, Access Controller (Mercury Security EP-1502) .....	2,230.07	130.38
<b>28 16 11 00-0190 Access Control Bundled System</b> (28 16 11)		
28 16 11 00-0191 EA CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0).....	36,792.93	
Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.		
<b>28 16 11 00-0192 Magnetic Locks</b> (28 16 11)		
Note: Excludes access controls.		
<b>28 16 11 00-0193 Magnetic Door Locks</b> (28 16 11 00-0192)		
<b>28 16 11 00-0194 300 LB Magnetic Door Locks</b> (28 16 11 00-0193)		
28 16 11 00-0195 EA Single Door, Surface Mount, 300 LB Magnetic Door Lock.....	617.13	104.31
<b>28 16 11 00-0196 600 LB Magnetic Door Locks</b> (28 16 11 00-0193)		
28 16 11 00-0197 EA 600 LB, Single Door, Surface Mount, Magnetic Door Lock.....	900.33	104.31
For LED Status Indicator And Signal Relay, Add	86.46	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	172.93	
For Mortise Mount, Deduct	-138.34	
28 16 11 00-0198 EA 600 LB, Dual Doors, Surface Mount, Magnetic Door Lock.....	1,365.47	104.31
For LED Status Indicator And Signal Relay, Add	144.61	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	289.21	
<b>28 16 11 00-0199 1,200 LB Magnetic Door Locks</b> (28 16 11 00-0193)		
28 16 11 00-0200 EA 1,200 LB, Single Door, Surface Mount, Magnetic Door Lock.....	943.24	104.31
For LED Status Indicator And Signal Relay, Add	168.96	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	220.38	
28 16 11 00-0201 EA Dual Doors, Surface Mount, 1,200 LB Magnetic Door Lock.....	1,458.15	104.31
For LED Status Indicator And Signal Relay, Add	287.39	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	374.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>28 16 11 00-0202</b> <b>2,000 LB Shear Lock, Magnetic And Mechanical Locks</b> <small>(28 16 11 00-0193)</small> Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0203    EA    Single Door, Mortise Mount, 2,000 LB Shear Lock, Magnetic And Mechanical Door Lock.....	989.58	104.31
<b>28 16 11 00-0204</b> <b>Magnetic Gate Locks</b> <small>(28 16 11 00-0192)</small>		
<b>28 16 11 00-0205</b> <b>600 LB Magnetic Gate Locks</b> <small>(28 16 11 00-0204)</small>		
28 16 11 00-0206    EA    600 LB Magnetic Gate Lock.....	730.41	104.31
<b>28 16 11 00-0207</b> <b>1,200 LB Magnetic Gate Locks</b> <small>(28 16 11 00-0204)</small>		
28 16 11 00-0208    EA    1,200 LB Magnetic Gate Lock.....	886.60	104.31
For LED Status Indicator And Signal Relay, Add	84.75	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	169.49	
For Mortise Mount, Deduct	-135.59	
<b>28 16 11 00-0209</b> <b>Magnetic Lock Power Supply And Chargers</b> <small>(28 16 11 00-0192)</small> Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0210    EA    12/24 Volt DC At 1 Ampere, Magnetic Lock Backup Power Supply And Charger .....	530.58	104.31
28 16 11 00-0211    EA    12/24 Volt DC At 2-1/2 Amperes, Magnetic Lock Backup Power Supply And Charger .....	686.20	104.31
28 16 11 00-0212    EA    12 Volt DC At 4 Amperes And 24 Volt DC At 3 Amperes, Magnetic Lock Backup Power Supply And Charger .....	777.74	104.31
28 16 11 00-0213    EA    12/24 Volt DC At 6 Amperes, Magnetic Lock Backup Power Supply And Charger.....	988.28	104.31
<b>28 16 11 00-0214</b> <b>Master Door Buzzer Stations</b> <small>(28 16 11)</small>		
<b>28 16 11 00-0215</b> <b>Master Stations</b> <small>(28 16 11 00-0214)</small>		
28 16 11 00-0216    EA    Master Stations, 5 Station Intercommunication Equipment .....	1,061.79	162.73
28 16 11 00-0217    EA    Master Stations, 10 Station Intercommunication Equipment .....	1,578.38	315.02
28 16 11 00-0218    EA    Master Station, Desk Style Remote Intercommunication Equipment.....	453.63	81.36
28 16 11 00-0219    EA    Master Station, Flush Wall Remote Intercommunication Equipment .....	572.81	135.61
28 16 11 00-0220    EA    Sound System Outlet, Protector .....	142.62	53.10
28 16 11 00-0221    EA    Sound System Microphone Outlet.....	245.64	108.69
28 16 11 00-0222    EA    Ceiling Or Wall, Sound System Speaker .....	195.23	53.10
28 16 11 00-0223    EA    Sound System Monitor Panel .....	581.66	108.69
28 16 11 00-0224    EA    Sound System Volume Control .....	166.88	53.10
28 16 11 00-0225    EA    250 Watt, Sound System Amplifier .....	2,707.46	434.67
28 16 11 00-0226    EA    Sound System Cabinet.....	1,537.21	434.67
<b>28 16 11 00-0227</b> <b>Master Door Stations</b> <small>(28 16 11 00-0214)</small>		
28 16 11 00-0228    EA    Master Door Stations, Button Buzzer Type, 25 Station.....	2,235.26	
For Intercom Type Master Door Station, Add	202.12	
28 16 11 00-0229    EA    Master Door Stations, Button Buzzer Type, 50 Station.....	3,699.21	
For Intercom Type Master Door Station, Add	327.43	
28 16 11 00-0230    EA    Master Door Stations, Button Buzzer Type, 75 Station.....	5,067.17	
For Intercom Type Master Door Station, Add	424.45	
28 16 11 00-0231    EA    Master Door Stations, Button Buzzer Type, 100 Station.....	5,796.69	
For Intercom Type Master Door Station, Add	497.21	
28 16 11 00-0232    EA    Master Door Stations, Button Buzzer Type, 150 Station.....	7,082.16	
For Intercom Type Master Door Station, Add	727.62	
28 16 11 00-0233    EA    Master Door Stations, Button Buzzer Type, 200 Station.....	8,341.64	
For Intercom Type Master Door Station, Add	937.82	
28 16 11 00-0234    EA    Master Door Stations, Button Buzzer Type, 250 Station.....	10,513.26	
For Intercom Type Master Door Station, Add	1,212.71	
28 16 11 00-0235    EA    Master Door Stations, Button Buzzer Type, 300 Station.....	12,537.59	
For Intercom Type Master Door Station, Add	1,390.57	
28 16 11 00-0236    EA    Transformer .....	156.86	
28 16 11 00-0237    EA    Door Opener.....	231.89	
28 16 11 00-0238    EA    Buzzer With Door Release And Plate.....	284.09	
28 16 11 00-0239    EA    Amplifier For Intercom Type Unit.....	482.55	
28 16 11 00-0240    EA    Speaker With Door Release .....	200.65	
<b>28 18</b> <b>Security Access Detection Equipment</b> <small>(28 10)</small>		
<b>28 18 11</b> <b>Security Access Metal Detectors</b> <small>(28 18)</small>		
<b>28 18 11 00-0001</b> <b>Metal Detectors</b> <small>(28 18 11)</small>		
28 18 11 00-0002    EA    Handheld Scanner (Garrett Super Scanner V) .....	254.05	26.08
28 18 11 00-0003    EA    Single-Zone, Walk-Through Metal Detector, Complete Unit (Garrett CS 5000).....	4,125.98	312.93
28 18 11 00-0004    EA    Multi-Zone, Walk-Through Metal Detector, Complete Unit (Garrett PD 6500) .....	6,385.33	417.24
<b>28 20</b> <b>Video Surveillance</b> <small>(28)</small> Note: Includes testing of new devices and certification.		

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**28 21 Surveillance Cameras** (28 20)**28 21 31 Proprietary Surveillance Camera Systems** (28 21)

Note: Includes programming of equipment, testing and certification of new devices.

28 21 31 00-0001	EA	Closed Circuit Television And Surveillance Systems (28 21 31)		
28 21 31 00-0002		Cameras And Accessories (28 21 31 00-0001)		
28 21 31 00-0003		Cameras (28 21 31 00-0002)		
28 21 31 00-0004		General Use Video Camera (28 21 31 00-0003)		
28 21 31 00-0005	EA	Environmental Pendant Mounted High Performance Dome Camera..... Note: 16x optical and 8x digital zoom. Auto focus, high resolution integrated low light color camera. Pelco model SD53TC-PG-E1.	4,177.74	104.31
28 21 31 00-0006	EA	Spare CCTV Camera..... Note: Pelco model DD53TC-16.	3,085.43	104.31
28 21 31 00-0007	EA	1/3" CCD Wide Range DSP Color Camera..... Note: JVC model TK-C1460U	1,496.29	104.31
28 21 31 00-0008	EA	1/3" High Resolution Digital CCD Day/Night Camera ..... Note: Pelco model CC3770H.	1,011.19	104.31
28 21 31 00-0009		Camera Power Supply (28 21 31 00-0003)		
28 21 31 00-0010	EA	24 Volt AC, Outdoor..... Note: Type WCS1-4 as manufactured by Pelco	341.99	52.15
28 21 31 00-0011	EA	24 Volt AC, Indoor Power Supply Units ..... Note: Type MCS16-20B as manufactured by Pelco	498.23	52.15
28 21 31 00-0012	EA	24 Volt AC, 7 Amperes (175VA) Rack Mount CCTV Power Supply ..... Note: Altronix model R2416UL. 16 Fuse protected outputs.	5,873.85	130.38
28 21 31 00-0013		Enclosures (28 21 31 00-0002)		
28 21 31 00-0014	EA	19" Gangable Enclosure..... Note: Middle Atlantic Products model MRK-4426. 1/8" Thick structural steel internal braces.	1,705.83	130.38
28 21 31 00-0015		Miscellaneous Accessories (28 21 31 00-0002)		
28 21 31 00-0016	EA	Digital Video Controller, 8/16 Camera Inputs, 80GB-1TB Storage..... Note: Pelco model DX8008-1000	18,733.42	91.27
28 21 31 00-0017	EA	Video Mass Storage Unit, Up To 14 IDE Drives..... Note: Pelco model DX9200HDDI	34,912.12	91.27
28 21 31 00-0018	EA	Line-Interactive Network Power Management System ..... Note: Trip Lite model SMART1500RM2U. 1500VA line interactive 2U rack/tower UPS system with sine wave output in AC and battery mode. 8 outlets arranged in 2 switchable load banks.	1,801.10	91.27
28 21 31 00-0019		Camera Mounting (28 21 31 00-0002)		
28 21 31 00-0020		Camera Wall Mounts (28 21 31 00-0019)		
28 21 31 00-0021	EA	Parapet Camera Wall Mount, 1.5" Diameter Pipe..... Note: Pelco model PP350	905.35	102.61
28 21 31 00-0022	EA	Wall Mount Bracket For Exterior CCTV Without Transformer ..... Note: Pelco model IWM-GY.	371.04	102.73
28 21 31 00-0023	EA	Wall Mount Bracket For Exterior CCTV With Transformer..... Note: Pelco model IWM-24GY. Includes integral 24 VAC, 100 VA transformer, gray finish.	665.39	102.73
28 21 31 00-0024	EA	Pole Adapter Wall Mount..... Note: Pelco model PA402.	315.85	102.73
28 21 31 00-0025		Video Monitor (28 21 31 00-0001)		
28 21 31 00-0026	EA	15" Flat Panel TFT LCD High Resolution Video Monitor..... Note: Pelco model PMCL15A	2,953.70	208.63
28 21 31 00-0027	EA	17" Color Video Monitor..... Note: JVC model number TM-H1700GU.	1,852.08	208.63
28 21 31 00-0028		Closed Circuit Television And Surveillance Systems (Pelco) (28 21 31)		
28 21 31 00-0029		Cameras And Accessories (28 21 31 00-0028)		
28 21 31 00-0030		Cameras (28 21 31 00-0029)		
28 21 31 00-0031		Compact, 1/3" Format Cameras (28 21 31 00-0030)		
28 21 31 00-0032		High Resolution Color, Compact, 1/3" Format Cameras (28 21 31 00-0031)		
28 21 31 00-0033	EA	High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6).....	607.51	26.13
28 21 31 00-0034		Day/Night, Compact, 1/3" Format Cameras (28 21 31 00-0031)		
28 21 31 00-0035	EA	High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6).....	355.67	26.13





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0036 Camerapaks (28 21 31 00-0029) Note: Includes camera and lens.		
28 21 31 00-0037 Camerapaks (28 21 31 00-0036)		
28 21 31 00-0038 High Resolution Color, Camerapaks (28 21 31 00-0037)		
28 21 31 00-0039 Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0038)		
28 21 31 00-0040 Manual Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0039)		
28 21 31 00-0041 EA 2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3) .....	464.90	26.13
28 21 31 00-0042 EA 2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8) .....	436.58	26.13
28 21 31 00-0043 EA 4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4) .....	423.43	26.13
28 21 31 00-0044 EA 8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8) .....	420.40	26.13
28 21 31 00-0045 Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0039)		
28 21 31 00-0046 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A) .....	507.38	26.13
28 21 31 00-0047 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A) .....	464.90	26.13
28 21 31 00-0048 EA 4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A) .....	454.79	26.13
28 21 31 00-0049 EA 8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A) .....	446.70	26.13
28 21 31 00-0050 Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0038)		
28 21 31 00-0051 Manual Iris, Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0050)		
28 21 31 00-0052 EA 1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1) .....	548.85	26.13
28 21 31 00-0053 EA 2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2) .....	494.23	26.13
28 21 31 00-0054 EA 2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21) .....	449.73	26.13
28 21 31 00-0055 EA 3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3) .....	431.53	26.13
28 21 31 00-0056 EA 5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5) .....	499.29	26.13
28 21 31 00-0057 Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0050)		
28 21 31 00-0058 EA 1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A) .....	593.35	26.13
28 21 31 00-0059 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A) .....	555.93	26.13
28 21 31 00-0060 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A) .....	492.21	26.13
28 21 31 00-0061 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A) .....	438.60	26.13
28 21 31 00-0062 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A) .....	520.53	26.13
28 21 31 00-0063 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A) .....	589.30	26.13
28 21 31 00-0064 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A) .....	677.30	26.13
28 21 31 00-0065 Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0050)		
28 21 31 00-0066 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A) .....	461.87	26.13
28 21 31 00-0067 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A) .....	553.90	26.13
28 21 31 00-0068 High Resolution Day/Night, Camerapaks (28 21 31 00-0037)		
28 21 31 00-0069 Varifocal, High Resolution Day/Night, Camerapaks (28 21 31 00-0068)		
28 21 31 00-0070 Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks (28 21 31 00-0069)		
28 21 31 00-0071 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A) .....	942.28	26.13
28 21 31 00-0072 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A) .....	878.56	26.13
28 21 31 00-0073 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A) .....	824.96	26.13
28 21 31 00-0074 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A) .....	906.88	26.13
28 21 31 00-0075 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A) .....	975.66	26.13
28 21 31 00-0076 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A) .....	1,062.64	26.13
28 21 31 00-0077 Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks (28 21 31 00-0069)		
28 21 31 00-0078 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A) .....	848.22	26.13
28 21 31 00-0079 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A) .....	940.26	26.13
28 21 31 00-0080 Compact Camerapaks (28 21 31 00-0036)		
28 21 31 00-0081 High Resolution Color, Compact Camerapaks (28 21 31 00-0080)		
28 21 31 00-0082 DSS, High Resolution Color, Compact Camerapaks (28 21 31 00-0081)		
28 21 31 00-0083 Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 31 00-0082)		
28 21 31 00-0084 Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 31 00-0083)		

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0085 EA 2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3).....	728.88	26.13
28 21 31 00-0086 EA 2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8).....	700.56	26.13
28 21 31 00-0087 EA 4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4).....	686.40	26.13
28 21 31 00-0088 EA 8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8).....	683.36	26.13
<b>28 21 31 00-0089 Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 31 00-0083)</b>		
28 21 31 00-0090 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A).....	770.34	26.13
28 21 31 00-0091 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A).....	728.88	26.13
28 21 31 00-0092 EA 4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A).....	718.76	26.13
28 21 31 00-0093 EA 8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A).....	710.67	26.13
<b>28 21 31 00-0094 Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0082)</b>		
<b>28 21 31 00-0095 Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0094)</b>		
28 21 31 00-0096 EA 1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1).....	812.82	26.13
28 21 31 00-0097 EA 2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2).....	757.20	26.13
28 21 31 00-0098 EA 2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21).....	713.71	26.13
28 21 31 00-0099 EA 3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3).....	695.50	26.13
28 21 31 00-0100 EA 5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5).....	762.25	26.13
28 21 31 00-0101 EA 5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50).....	805.74	26.13
28 21 31 00-0102 EA 5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55).....	908.91	26.13
<b>28 21 31 00-0103 Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0094)</b>		
28 21 31 00-0104 EA 1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A).....	856.31	26.13
28 21 31 00-0105 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A).....	819.90	26.13
28 21 31 00-0106 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A).....	756.18	26.13
28 21 31 00-0107 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A).....	701.57	26.13
28 21 31 00-0108 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A).....	784.50	26.13
28 21 31 00-0109 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A).....	853.28	26.13
28 21 31 00-0110 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A).....	940.26	26.13
<b>28 21 31 00-0111 Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0094)</b>		
28 21 31 00-0112 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A).....	725.84	26.13
28 21 31 00-0113 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A).....	817.88	26.13
<b>28 21 31 00-0114 EDR, High Resolution Color, Compact Camerapaks (28 21 31 00-0081)</b>		
<b>28 21 31 00-0115 Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0114)</b>		
<b>28 21 31 00-0116 Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0115)</b>		
28 21 31 00-0117 EA 2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3).....	728.88	26.13
28 21 31 00-0118 EA 2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8).....	542.78	26.13
28 21 31 00-0119 EA 4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4).....	528.62	26.13
28 21 31 00-0120 EA 8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8).....	525.59	26.13
<b>28 21 31 00-0121 Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0115)</b>		
28 21 31 00-0122 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A).....	612.57	26.13
28 21 31 00-0123 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A).....	571.10	26.13
28 21 31 00-0124 EA 4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A).....	560.98	26.13
28 21 31 00-0125 EA 8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A).....	560.98	26.13
<b>28 21 31 00-0126 Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0114)</b>		
<b>28 21 31 00-0127 Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0126)</b>		
28 21 31 00-0128 EA 1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1).....	655.04	26.13
28 21 31 00-0129 EA 2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2).....	599.42	26.13
28 21 31 00-0130 EA 2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21).....	555.93	26.13
28 21 31 00-0131 EA 3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3).....	537.72	26.13
28 21 31 00-0132 EA 5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5).....	604.47	26.13
28 21 31 00-0133 EA 5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50).....	647.96	26.13
28 21 31 00-0134 EA 5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55).....	751.13	26.13
<b>28 21 31 00-0135 Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0126)</b>		
28 21 31 00-0136 EA 1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A).....	698.53	26.13
28 21 31 00-0137 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A).....	662.12	26.13
28 21 31 00-0138 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A).....	597.39	26.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0139 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A).....	543.79	26.13
28 21 31 00-0140 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A).....	626.73	26.13
28 21 31 00-0141 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A).....	695.50	26.13
28 21 31 00-0142 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A).....	782.48	26.13
<b>28 21 31 00-0143 Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0126)</b>		
28 21 31 00-0144 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A).....	568.06	26.13
28 21 31 00-0145 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A).....	660.10	26.13
<b>28 21 31 00-0146 High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0080)</b>		
<b>28 21 31 00-0147 Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0146)</b>		
<b>28 21 31 00-0148 Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0147)</b>		
28 21 31 00-0149 EA 8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8).....	672.24	26.13
<b>28 21 31 00-0150 DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0147)</b>		
28 21 31 00-0151 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A).....	759.22	26.13
28 21 31 00-0152 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A).....	716.74	26.13
<b>28 21 31 00-0153 Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0146)</b>		
<b>28 21 31 00-0154 Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0153)</b>		
28 21 31 00-0155 EA 2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21).....	701.57	26.13
28 21 31 00-0156 EA 3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3).....	683.36	26.13
28 21 31 00-0157 EA 5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50).....	794.62	26.13
<b>28 21 31 00-0158 Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0153)</b>		
28 21 31 00-0159 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A).....	807.77	26.13
28 21 31 00-0160 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A).....	744.05	26.13
28 21 31 00-0161 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A).....	690.44	26.13
28 21 31 00-0162 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A).....	772.37	26.13
28 21 31 00-0163 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A).....	841.14	26.13
28 21 31 00-0164 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A).....	929.13	26.13
<b>28 21 31 00-0165 Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0153)</b>		
28 21 31 00-0166 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A).....	713.71	26.13
28 21 31 00-0167 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A).....	805.74	26.13
<b>28 21 31 00-0168 Camera Systems (28 21 31 00-0029)</b>		
<b>28 21 31 00-0169 Camera Dome Systems (28 21 31 00-0168)</b>		
<b>28 21 31 00-0170 Spectra®, Pan/Tilt Camera Dome Systems (28 21 31 00-0169)</b>		
<b>28 21 31 00-0171 Spectra®, Pan/Tilt Camera Dome Systems (28 21 31 00-0170)</b>		
Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
<b>28 21 31 00-0172 Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0171)</b>		
<b>28 21 31 00-0173 Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0172)</b>		
28 21 31 00-0174 EA 22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB).....	2,971.49	156.76
28 21 31 00-0175 EA 22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F).....	3,386.16	156.76
28 21 31 00-0176 EA 22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB).....	3,572.26	156.76
28 21 31 00-0177 EA 22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E).....	4,963.95	156.76
<b>28 21 31 00-0178 Color, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0172)</b>		

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0179	EA		16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB) .....	2,501.19	156.76
28 21 31 00-0180	EA		16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F) .....	2,710.55	156.76
28 21 31 00-0181	EA		16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB) .....	2,897.66	156.76
28 21 31 00-0182	EA		16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E) .....	3,004.87	156.76
28 21 31 00-0183	EA		16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E) .....	3,004.87	156.76
28 21 31 00-0184	EA		22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB) .....	3,149.50	156.76
28 21 31 00-0185	EA		22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F) .....	3,565.18	156.76
28 21 31 00-0186	EA		22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB) .....	3,752.29	156.76
28 21 31 00-0187	EA		22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E) .....	3,859.50	156.76
28 21 31 00-0188	EA		22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E) .....	3,859.50	156.76
<b>28 21 31 00-0189</b>			<b>Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0172)</b>		
28 21 31 00-0190	EA		23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB) .....	3,668.34	156.76
28 21 31 00-0191	EA		23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F) .....	4,084.03	156.76
28 21 31 00-0192	EA		23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB) .....	4,271.14	156.76
28 21 31 00-0193	EA		23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E) .....	4,378.35	156.76
28 21 31 00-0194	EA		23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E) .....	4,378.35	156.76
<b>28 21 31 00-0195</b>			<b>Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0172)</b>		
28 21 31 00-0196	EA		18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB) .....	3,328.51	156.76
28 21 31 00-0197	EA		18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F) .....	3,538.88	156.76
28 21 31 00-0198	EA		18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB) .....	3,724.98	156.76
28 21 31 00-0199	EA		18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E) .....	3,832.19	156.76
28 21 31 00-0200	EA		18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E) .....	3,832.19	156.76
28 21 31 00-0201	EA		35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB) .....	4,009.19	156.76
28 21 31 00-0202	EA		35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F) .....	4,339.91	156.76
28 21 31 00-0203	EA		35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB) .....	4,526.01	156.76
28 21 31 00-0204	EA		35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E) .....	4,633.22	156.76
28 21 31 00-0205	EA		35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E) .....	4,633.22	156.76
<b>28 21 31 00-0206</b>			<b>Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0171)</b>		
<b>28 21 31 00-0207</b>			<b>Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0206)</b>		
28 21 31 00-0208	EA		16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF) .....	3,256.70	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0209	EA		16X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP) .....	3,436.73	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0210	EA		16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE) .....	3,580.35	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0211	EA		22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF) .....	4,048.63	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0212	EA		22X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP) .....	4,228.66	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0213	EA		22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE) .....	4,373.29	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
<b>28 21 31 00-0214</b>			<b>Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0206)</b>		
28 21 31 00-0215	EA		18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF) .....	4,084.03	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0216	EA		18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP) .....	4,264.06	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0217	EA		18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE) .....	4,408.69	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0218	EA		35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF) .....	4,823.36	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0219	EA		35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP) .....	5,002.38	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0220	EA		35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE) .....	5,147.01	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
<b>28 21 31 00-0221</b>			<b>Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0171)</b>		
<b>28 21 31 00-0222</b>			<b>Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0221)</b>		
28 21 31 00-0223	EA		18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE) .....	5,412.00	156.76
28 21 31 00-0224	EA		35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE) .....	6,151.33	156.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0225	<b>Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0171)</small>	
28 21 31 00-0226	<b>Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0225)</small>	
28 21 31 00-0227 EA	22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE) .....	4,701.99 156.76
28 21 31 00-0228	<b>Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0225)</small>	
28 21 31 00-0229 EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE) .....	4,089.09 156.76
28 21 31 00-0230 EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE).....	4,882.02 156.76
28 21 31 00-0231	<b>Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0225)</small>	
28 21 31 00-0232 EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE).....	5,400.87 156.76
28 21 31 00-0233	<b>Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0225)</small>	
28 21 31 00-0234 EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE) .....	4,917.42 156.76
28 21 31 00-0235 EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE).....	5,655.74 156.76
28 21 31 00-0236	<b>Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0171)</small>	
28 21 31 00-0237	<b>Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0236)</small>	
28 21 31 00-0238 EA	10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B) .....	1,868.05 156.76
28 21 31 00-0239	<b>Spectra® IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0170)</small> Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.	
28 21 31 00-0240	<b>Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0239)</small>	
28 21 31 00-0241	<b>Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0240)</small>	
28 21 31 00-0242 EA	16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F).....	3,466.06 156.76
28 21 31 00-0243 EA	16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB).....	3,653.17 156.76
28 21 31 00-0244 EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E) .....	3,760.38 156.76
28 21 31 00-0245 EA	16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E).....	3,760.38 156.76
28 21 31 00-0246 EA	22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1) .....	4,320.70 156.76
28 21 31 00-0247 EA	22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1).....	4,507.81 156.76
28 21 31 00-0248 EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1) .....	4,615.01 156.76
28 21 31 00-0249 EA	22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1) .....	4,615.01 156.76
28 21 31 00-0250	<b>Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0240)</small>	
28 21 31 00-0251 EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1).....	4,839.55 156.76
28 21 31 00-0252 EA	23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1) .....	5,026.65 156.76
28 21 31 00-0253 EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1) .....	5,133.86 156.76
28 21 31 00-0254 EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1) .....	5,133.86 156.76
28 21 31 00-0255	<b>Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0239)</small>	
28 21 31 00-0256	<b>Color, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0255)</small>	
28 21 31 00-0257 EA	16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1)..... <i>For Protective Lower Dome Cage, Add</i>	4,012.22 34.65 156.76
28 21 31 00-0258 EA	16X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1) .....	4,192.25 34.65 156.76
28 21 31 00-0259 EA	16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1) .....	4,335.87 34.65 156.76
	<i>For Protective Lower Dome Cage, Add</i>	

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0260	EA		22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1) ....	4,804.15	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0261	EA		22X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1).....	4,984.18	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0262	EA		22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1).....	5,128.81	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
<b>28 21 31 00-0263</b>			<b>Day/Night, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0255)</small>		
28 21 31 00-0264	EA		18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1).....	4,839.55	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0265	EA		18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1).....	5,019.57	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0266	EA		18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1).....	5,164.20	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0267	EA		35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1).....	5,578.88	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0268	EA		35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1).....	5,757.90	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0269	EA		35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1).....	5,902.53	156.76
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
<b>28 21 31 00-0270</b>			<b>Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0239)</small>		
<b>28 21 31 00-0271</b>			<b>Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems</b> <small>(28 21 31 00-0270)</small>		
28 21 31 00-0272	EA		16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1).....	4,844.60	156.76
28 21 31 00-0273	EA		22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1).....	5,637.54	156.76
<b>28 21 31 00-0274</b>			<b>Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems</b> <small>(28 21 31 00-0270)</small>		
28 21 31 00-0275	EA		23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	6,156.39	156.76
<b>28 21 31 00-0276</b>			<b>Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems</b> <small>(28 21 31 00-0270)</small>		
28 21 31 00-0277	EA		18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1).....	5,672.94	156.76
28 21 31 00-0278	EA		35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	6,411.26	156.76
<b>28 21 31 00-0279</b>			<b>Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0239)</small>		
<b>28 21 31 00-0280</b>			<b>Color, Miniature Spectra® IP Network, Mini Camera Dome Systems</b> <small>(28 21 31 00-0279)</small>		
28 21 31 00-0281	EA		10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1).....	2,355.55	156.76
<b>28 21 31 00-0282</b>			<b>Spectra®, Pan/Tilt Dome Drives</b> <small>(28 21 31 00-0170)</small>		
			Note: Includes dome drive, camera and lens.		
28 21 31 00-0283	EA		10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4).....	1,739.94	130.63
28 21 31 00-0284	EA		10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N).....	2,225.41	130.63
28 21 31 00-0285	EA		22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22).....	2,825.17	130.63
28 21 31 00-0286	EA		16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16).....	2,212.26	130.63
28 21 31 00-0287	EA		22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22).....	3,004.19	130.63
28 21 31 00-0288	EA		18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18).....	3,039.59	130.63
28 21 31 00-0289	EA		23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23).....	3,523.03	130.63
28 21 31 00-0290	EA		35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35).....	3,778.92	130.63
28 21 31 00-0291	EA		35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35).....	3,778.92	130.63
<b>28 21 31 00-0292</b>			<b>Accessories For Spectra® Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0170)</small>		
28 21 31 00-0293	EA		Upgrade To Chrome Lower Dome (Pelco Spectra).....	142.61	
28 21 31 00-0294	EA		Upgrade To Gold Lower Dome (Pelco Spectra).....	186.10	
28 21 31 00-0295	EA		Wall Mount For Spectra® Systems (Pelco IWM-BK).....	151.54	13.07
28 21 31 00-0296	EA		24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK).....	387.20	13.07
28 21 31 00-0297	EA		Wall Arm Mount For Spectra® Systems (Pelco IDM4018).....	147.50	13.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0298 EA Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS) .....	255.11	13.07
28 21 31 00-0299 EA Pole Mount Adapter For Spectra® Systems (Pelco PA402) .....	75.16	7.77
<b>28 21 31 00-0300 Camclosure®, Camera Dome Systems (28 21 31 00-0169)</b>		
28 21 31 00-0301 Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0300)		
28 21 31 00-0302 Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0301)		
<b>28 21 31 00-0303 High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0302)</b>		
28 21 31 00-0304 EA 12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12).....	672.58	156.76
28 21 31 00-0305 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22) .....	733.26	156.76
28 21 31 00-0306 EA 12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12).....	819.23	156.76
28 21 31 00-0307 EA 12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12).....	819.23	156.76
<b>28 21 31 00-0308 Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0302)</b>		
28 21 31 00-0309 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22) .....	830.36	156.76
28 21 31 00-0310 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22) .....	909.24	156.76
28 21 31 00-0311 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22).....	909.24	156.76
<b>28 21 31 00-0312 Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0302)</b>		
28 21 31 00-0313 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22) .....	957.79	156.76
28 21 31 00-0314 EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22) .....	1,152.99	156.76
28 21 31 00-0315 EA 9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22) .....	1,152.99	156.76
<b>28 21 31 00-0316 Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0302)</b>		
28 21 31 00-0317 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22).....	1,050.84	156.76
28 21 31 00-0318 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22).....	1,176.25	156.76
<b>28 21 31 00-0319 Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0301)</b>		
<b>28 21 31 00-0320 High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0319)</b>		
28 21 31 00-0321 EA 3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6) .....	759.22	104.51
<b>28 21 31 00-0322 Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0319)</b>		
28 21 31 00-0323 EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22) .....	873.51	104.51
<b>28 21 31 00-0324 Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0319)</b>		
28 21 31 00-0325 EA 9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22).....	964.54	104.51
<b>28 21 31 00-0326 Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0319)</b>		
28 21 31 00-0327 EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22) .....	1,010.05	104.51
<b>28 21 31 00-0328 Camclosure® IS Integrated Cameras (28 21 31 00-0301)</b>		
28 21 31 00-0329 EA 12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12) .....	526.60	104.51
28 21 31 00-0330 EA 9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22).....	526.60	104.51
28 21 31 00-0331 EA 9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22) .....	616.61	104.51
28 21 31 00-0332 EA 9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22).....	860.36	104.51
28 21 31 00-0333 EA 9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22) .....	883.62	104.51

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

28 21 31 00-0334		Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0300)		
28 21 31 00-0335		Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0334)		
28 21 31 00-0336		Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0335)		
28 21 31 00-0337	EA	12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12) .....	572.45	156.76
28 21 31 00-0338	EA	12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T) .....	615.94	156.76
28 21 31 00-0339	EA	12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12) .....	789.90	156.76
28 21 31 00-0340	EA	12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12) .....	789.90	156.76
28 21 31 00-0341		High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0335)		
28 21 31 00-0342	EA	3-9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A) .....	985.10	156.76
28 21 31 00-0343		Camclosure® ICS Integrated, Bullet Style Camera Systems (28 21 31 00-0334)		
28 21 31 00-0344		Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems (28 21 31 00-0343)		
28 21 31 00-0345	EA	12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12) .....	685.39	104.51
28 21 31 00-0346		Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0334)		
28 21 31 00-0347		High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0346)		
28 21 31 00-0348	EA	9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22) .....	909.24	156.76
28 21 31 00-0349		Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0346)		
28 21 31 00-0350	EA	9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22) .....	1,000.27	156.76
28 21 31 00-0351		Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0346)		
28 21 31 00-0352	EA	9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22) .....	1,114.56	156.76
28 21 31 00-0353		Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0346)		
28 21 31 00-0354	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22) .....	1,160.07	156.76
28 21 31 00-0355		Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0300)		
28 21 31 00-0356		Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0355)		
28 21 31 00-0357		High Resolution Color, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0356)		
28 21 31 00-0358	EA	3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9) .....	1,661.73	156.76
28 21 31 00-0359	EA	9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22) .....	1,661.73	156.76
28 21 31 00-0360		Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0356)		
28 21 31 00-0361	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9) .....	1,787.14	156.76
28 21 31 00-0362	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22) .....	1,787.14	156.76
28 21 31 00-0363		Day/Night, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0356)		
28 21 31 00-0364	EA	3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9) .....	1,980.32	156.76
28 21 31 00-0365	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22) .....	1,980.32	156.76





			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0366			<b>Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems</b> <small>(28 21 31 00-0356)</small>		
28 21 31 00-0367	EA		3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9).....	2,116.86	156.76
28 21 31 00-0368	EA		9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22).....	2,116.86	156.76
28 21 31 00-0369			<b>Accessories For Camclosure® Camera Dome Systems</b> <small>(28 21 31 00-0300)</small>		
28 21 31 00-0370	EA		4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP).....	33.89	7.83
28 21 31 00-0371	EA		4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP).....	33.89	7.83
28 21 31 00-0372	EA		Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS).....	44.34	13.07
28 21 31 00-0373	EA		Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND).....	72.65	13.07
28 21 31 00-0374	EA		2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P).....	76.36	7.83
28 21 31 00-0375	EA		Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG).....	72.65	13.07
28 21 31 00-0376	EA		Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM).....	92.88	13.07
28 21 31 00-0377	EA		Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A).....	250.48	26.13
28 21 31 00-0378	EA		Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A).....	250.48	26.13
28 21 31 00-0379	EA		Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A).....	250.48	26.13
28 21 31 00-0380	EA		Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A).....	250.48	26.13
28 21 31 00-0381	EA		Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P).....	87.83	13.07
28 21 31 00-0382	EA		Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD).....	97.76	26.13
28 21 31 00-0383	EA		Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD).....	97.76	26.13
28 21 31 00-0384	EA		Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD).....	97.76	26.13
28 21 31 00-0385	EA		Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD).....	97.76	26.13
28 21 31 00-0386	EA		Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD).....	97.76	26.13
28 21 31 00-0387	EA		Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD).....	97.76	26.13
28 21 31 00-0388	EA		Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC).....	285.35	35.69
28 21 31 00-0389	EA		Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P).....	61.53	13.07
28 21 31 00-0390	EA		Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW).....	107.04	13.07
28 21 31 00-0391	EA		White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P).....	61.53	13.07
28 21 31 00-0392	EA		White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW).....	107.04	13.07
28 21 31 00-0393	EA		Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC).....	1,547.44	156.76
28 21 31 00-0394			<b>Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0168)</small>		
28 21 31 00-0395			<b>Esprit® CBZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0394)</small>		
			Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
28 21 31 00-0396			<b>EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0395)</small>		
28 21 31 00-0397			<b>Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0396)</small>		
28 21 31 00-0398	EA		10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N).....	4,427.90	235.15
28 21 31 00-0399	EA		20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N).....	5,035.75	235.15
28 21 31 00-0400	EA		30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N).....	5,878.25	235.15
28 21 31 00-0401	EA		10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN).....	4,558.37	235.15
28 21 31 00-0402	EA		20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN).....	5,193.53	235.15
28 21 31 00-0403	EA		30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN).....	6,036.02	235.15
28 21 31 00-0404			<b>Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0396)</small>		
28 21 31 00-0405	EA		10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W).....	4,469.37	235.15
28 21 31 00-0406	EA		20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W).....	5,077.22	235.15
28 21 31 00-0407	EA		30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W).....	5,919.71	235.15
28 21 31 00-0408	EA		10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW).....	4,600.85	235.15
28 21 31 00-0409	EA		20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW).....	5,235.00	235.15
28 21 31 00-0410	EA		30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW).....	6,077.49	235.15
28 21 31 00-0411			<b>Esprit® CLZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0394)</small>		
28 21 31 00-0412			<b>DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0411)</small>		
28 21 31 00-0413			<b>Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0412)</small>		

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0414 EA 10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N).....	4,585.68	235.15
28 21 31 00-0415 EA 20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N).....	5,193.53	235.15
28 21 31 00-0416 EA 30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N).....	6,036.02	235.15
28 21 31 00-0417 EA 10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN).....	4,716.15	235.15
28 21 31 00-0418 EA 20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN).....	5,351.31	235.15
28 21 31 00-0419 EA 30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN).....	6,193.80	235.15
<b>28 21 31 00-0420 Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 31 00-0412)</b>		
28 21 31 00-0421 EA 10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W).....	4,627.14	235.15
28 21 31 00-0422 EA 20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W).....	5,235.00	235.15
28 21 31 00-0423 EA 30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W).....	6,077.49	235.15
28 21 31 00-0424 EA 10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW).....	4,758.63	235.15
28 21 31 00-0425 EA 20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW).....	5,392.77	235.15
28 21 31 00-0426 EA 30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW).....	6,235.27	235.15
<b>28 21 31 00-0427 Esprit® AJZ, Pan/Tilt Camera Systems (28 21 31 00-0394)</b>		
<b>28 21 31 00-0428 High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 31 00-0427)</b>		
<b>28 21 31 00-0429 Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 31 00-0428)</b>		
28 21 31 00-0430 EA 6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N).....	4,321.70	235.15
28 21 31 00-0431 EA 5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N).....	4,929.55	235.15
28 21 31 00-0432 EA 5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N).....	5,772.05	235.15
28 21 31 00-0433 EA 6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN).....	4,453.18	235.15
28 21 31 00-0434 EA 5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN).....	5,087.33	235.15
28 21 31 00-0435 EA 5.5 x 30, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN).....	5,929.83	235.15
<b>28 21 31 00-0436 Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 31 00-0428)</b>		
28 21 31 00-0437 EA 6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	4,364.18	235.15
28 21 31 00-0438 EA 5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W).....	4,971.02	235.15
28 21 31 00-0439 EA 5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W).....	5,814.53	235.15
28 21 31 00-0440 EA 6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW).....	4,393.51	235.15
28 21 31 00-0441 EA 6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	4,494.65	235.15
28 21 31 00-0442 EA 5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW).....	5,128.80	235.15
28 21 31 00-0443 EA 5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW).....	5,972.31	235.15
<b>28 21 31 00-0444 Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0394)</b>		
<b>28 21 31 00-0445 Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0444)</b>		
<b>28 21 31 00-0446 Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0445)</b>		
28 21 31 00-0447 EA 5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N).....	5,181.39	235.15
28 21 31 00-0448 EA 5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N).....	6,023.89	235.15
28 21 31 00-0449 EA 6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN).....	4,705.02	235.15
28 21 31 00-0450 EA 5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN).....	5,339.17	235.15
28 21 31 00-0451 EA 5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN).....	6,181.67	235.15
<b>28 21 31 00-0452 Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0445)</b>		
28 21 31 00-0453 EA 6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W).....	4,616.02	235.15
28 21 31 00-0454 EA 5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W).....	5,222.86	235.15
28 21 31 00-0455 EA 5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W).....	6,066.37	235.15
28 21 31 00-0456 EA 6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW).....	4,746.49	235.15



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0457	EA				5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW).....	5,380.64	235.15
28 21 31 00-0458	EA				5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW).....	6,224.14	235.15
<b>28 21 31 00-0459</b>					<b>Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0394)</b>		
<b>28 21 31 00-0460</b>					<b>Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0459)</b>		
<b>28 21 31 00-0461</b>					<b>Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0460)</b>		
28 21 31 00-0462	EA				5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N).....	6,158.40	235.15
28 21 31 00-0463	EA				6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN).....	4,838.53	235.15
28 21 31 00-0464	EA				5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN).....	6,316.18	235.15
<b>28 21 31 00-0465</b>					<b>Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0460)</b>		
28 21 31 00-0466	EA				6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W).....	4,749.52	235.15
28 21 31 00-0467	EA				5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W).....	6,200.88	235.15
28 21 31 00-0468	EA				6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW).....	4,881.01	235.15
28 21 31 00-0469	EA				5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW).....	5,515.15	235.15
28 21 31 00-0470	EA				5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW).....	6,358.66	235.15
<b>28 21 31 00-0471</b>					<b>Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0394)</b>		
<b>28 21 31 00-0472</b>					<b>Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0471)</b>		
<b>28 21 31 00-0473</b>					<b>Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0472)</b>		
28 21 31 00-0474	EA				16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N).....	5,173.30	235.15
<b>28 21 31 00-0475</b>					<b>Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0472)</b>		
28 21 31 00-0476	EA				16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W).....	5,214.77	235.15
<b>28 21 31 00-0477</b>					<b>High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0471)</b>		
<b>28 21 31 00-0478</b>					<b>Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0477)</b>		
28 21 31 00-0479	EA				22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N).....	6,158.40	235.15
28 21 31 00-0480	EA				24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N).....	5,952.08	235.15
28 21 31 00-0481	EA				35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N).....	6,776.37	235.15
<b>28 21 31 00-0482</b>					<b>Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0477)</b>		
28 21 31 00-0483	EA				22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W).....	6,198.86	235.15
28 21 31 00-0484	EA				24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W).....	5,952.08	235.15
28 21 31 00-0485	EA				35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W).....	6,821.88	235.15
<b>28 21 31 00-0486</b>					<b>Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0394)</b>		
<b>28 21 31 00-0487</b>					<b>High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0486)</b>		
<b>28 21 31 00-0488</b>					<b>Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0487)</b>		
28 21 31 00-0489	EA				16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N).....	3,960.63	235.15
28 21 31 00-0490	EA				22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N).....	4,946.75	235.15
28 21 31 00-0491	EA				24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N).....	4,743.45	235.15
28 21 31 00-0492	EA				35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N).....	5,385.69	235.15
<b>28 21 31 00-0493</b>					<b>Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0487)</b>		
28 21 31 00-0494	EA				16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W).....	4,001.09	235.15
28 21 31 00-0495	EA				22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W).....	4,988.21	235.15
28 21 31 00-0496	EA				24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W).....	4,784.92	235.15
28 21 31 00-0497	EA				35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W).....	5,431.21	235.15
<b>28 21 31 00-0498</b>					<b>Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0394)</b>		

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

28 21 31 00-0499	<b>Esprit® Thermal, Pan/Tilt Camera Systems</b> (28 21 31 00-0499)			
28 21 31 00-0500	<b>Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems</b> (28 21 31 00-0499)			
28 21 31 00-0501	EA	14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N).....	25,863.51	235.15
28 21 31 00-0502	EA	35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N) .....	27,818.55	235.15
28 21 31 00-0503	EA	50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N) .....	28,474.94	235.15
28 21 31 00-0504	<b>Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems</b> (28 21 31 00-0499)			
28 21 31 00-0505	EA	14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W).....	25,905.99	235.15
28 21 31 00-0506	EA	35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W) .....	27,860.01	235.15
28 21 31 00-0507	EA	50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W).....	28,516.41	235.15
28 21 31 00-0508	<b>Accessories For Esprit® Pan/Tilt Camera Systems</b> (28 21 31 00-0394)			
28 21 31 00-0509	EA	Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE) .....	10.58	2.61
28 21 31 00-0510	EA	Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT) .....	61.53	13.07
28 21 31 00-0511	EA	Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM).....	97.94	13.07
28 21 31 00-0512	EA	Wall Mount For High Security Enclosures (Pelco HSWM12) .....	125.25	13.07
28 21 31 00-0513	EA	Ground Isolation Transformer (Pelco GIT100).....	356.15	35.69
28 21 31 00-0514	EA	High Security, Indoor Wedge Style Enclosure (Pelco HS2100) .....	490.40	35.69
28 21 31 00-0515	EA	High Security, Indoor 10" Length Enclosure (Pelco HS3000) .....	429.98	35.69
28 21 31 00-0516	EA	High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500).....	569.98	35.69
28 21 31 00-0517	EA	High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080) .....	328.84	35.69
28 21 31 00-0518	EA	High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134) .....	818.51	35.69
28 21 31 00-0519	EA	Bullet-Resistant, Outdoor Enclosure (Pelco HS4514).....	1,381.70	35.69
28 21 31 00-0520	EA	Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT).....	1,645.68	35.69
28 21 31 00-0521	EA	24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24).....	1,705.35	35.69
28 21 31 00-0522	EA	35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35).....	1,799.41	35.69
28 21 31 00-0523	EA	24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2).....	2,097.45	35.69
28 21 31 00-0524	EA	24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N) .....	2,122.38	35.69
28 21 31 00-0525	EA	24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W) .....	2,146.32	35.69
28 21 31 00-0526	EA	30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30) .....	5,678.13	35.69
28 21 31 00-0527	EA	30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P) .....	5,835.91	35.69
28 21 31 00-0528	EA	Esprit® Camera Pole Mount Adapter (Pelco EPM).....	95.75	8.41
28 21 31 00-0529	EA	Pole Mount Adapter For Esprit® Systems (Pelco EPM) .....	95.75	8.41
28 21 31 00-0530	<b>Camera Lenses</b> (28 21 31 00-0029)			
28 21 31 00-0531	<b>Fixed Focus Camera Lenses</b> (28 21 31 00-0530) Note: 1/3" format and manual focus.			
28 21 31 00-0532	<b>Manual Iris, Fixed Focus Camera Lenses</b> (28 21 31 00-0531)			
28 21 31 00-0533	EA	2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3).....	158.28	12.26
28 21 31 00-0534	EA	2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8) .....	129.96	12.26
28 21 31 00-0535	EA	4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4).....	115.80	12.26
28 21 31 00-0536	EA	8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8).....	112.77	12.26
28 21 31 00-0537	<b>Direct Drive Auto Iris, Fixed Focus Camera Lenses</b> (28 21 31 00-0531) Note: Includes spot filter. Excludes amplifier.			
28 21 31 00-0538	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3) .....	199.75	12.26
28 21 31 00-0539	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8) .....	158.28	12.26
28 21 31 00-0540	EA	4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4) .....	148.17	12.26
28 21 31 00-0541	EA	8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8) .....	103.67	12.26
28 21 31 00-0542	<b>Video Drive Auto Iris, Fixed Focus Camera Lenses</b> (28 21 31 00-0531) Note: Includes LDC100 adapter to convert DC auto iris to video drive.			
28 21 31 00-0543	EA	2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S).....	237.17	12.26
28 21 31 00-0544	EA	2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S).....	194.69	12.26
28 21 31 00-0545	EA	4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S) .....	184.58	12.26
28 21 31 00-0546	EA	8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S) .....	176.49	12.26
28 21 31 00-0547	<b>Varifocal Camera Lenses</b> (28 21 31 00-0530) Note: 1/3" format and manual focus and zoom.			
28 21 31 00-0548	<b>Manual Iris, Varifocal Camera Lenses</b> (28 21 31 00-0547)			
28 21 31 00-0549	EA	1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3).....	205.43	12.26
28 21 31 00-0550	EA	2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6).....	186.60	12.26
28 21 31 00-0551	EA	2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12).....	143.11	12.26
28 21 31 00-0552	EA	3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8).....	124.91	12.26
28 21 31 00-0553	EA	5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5).....	338.31	12.26
28 21 31 00-0554	EA	5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40).....	159.35	12.26
28 21 31 00-0555	EA	5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50).....	169.82	12.26



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0556				<b>Direct Drive Auto Iris, Varifocal Camera Lenses</b> (28 21 31 00-0547) Note: Includes spot filter.		
28 21 31 00-0557	EA			1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3) .....	201.94	12.26
28 21 31 00-0558	EA			2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6) .....	178.20	12.26
28 21 31 00-0559	EA			2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12) .....	136.31	12.26
28 21 31 00-0560	EA			3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8) .....	101.41	12.26
28 21 31 00-0561	EA			5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5) .....	369.66	12.26
28 21 31 00-0562	EA			5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50) .....	199.84	12.26
28 21 31 00-0563				<b>Video Drive Auto Iris, Varifocal Camera Lenses</b> (28 21 31 00-0547) Note: Includes spot filter.		
28 21 31 00-0564	EA			1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S) .....	323.14	12.26
28 21 31 00-0565	EA			2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S) .....	285.72	12.26
28 21 31 00-0566	EA			3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S) .....	168.40	12.26
28 21 31 00-0567	EA			5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S) .....	319.09	12.26
28 21 31 00-0568				<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses</b> (28 21 31 00-0547) Note: Includes spot filter.		
28 21 31 00-0569	EA			3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5) .....	117.46	12.26
28 21 31 00-0570	EA			7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50) .....	176.80	12.26
28 21 31 00-0571				<b>Motorized Zoom Camera Lenses</b> (28 21 31 00-0530) Note: 1/3" format.		
28 21 31 00-0572				<b>Manual Iris, Motorized Zoom Camera Lenses</b> (28 21 31 00-0571)		
28 21 31 00-0573	EA			8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8) .....	593.18	12.26
28 21 31 00-0574	EA			10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10) .....	742.87	12.26
28 21 31 00-0575	EA			15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15) .....	792.43	12.26
28 21 31 00-0576				<b>Direct Drive Auto Iris, Motorized Zoom Camera Lenses</b> (28 21 31 00-0571) Note: Includes spot filter.		
28 21 31 00-0577	EA			6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8) .....	470.71	12.26
28 21 31 00-0578	EA			10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10) .....	544.01	12.26
28 21 31 00-0579	EA			15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15) .....	876.38	12.26
28 21 31 00-0580	EA			20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20) .....	933.56	12.26
28 21 31 00-0581	EA			30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30) .....	1,852.97	12.26
28 21 31 00-0582				<b>Video Drive Auto Iris, Motorized Zoom Camera Lenses</b> (28 21 31 00-0571) Note: Includes spot filter.		
28 21 31 00-0583	EA			8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S) .....	608.35	12.26
28 21 31 00-0584	EA			10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S) .....	725.68	12.26
28 21 31 00-0585	EA			15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S) .....	913.80	12.26
28 21 31 00-0586	EA			20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S) .....	1,333.53	12.26
28 21 31 00-0587	EA			30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S) .....	2,176.02	12.26
28 21 31 00-0588				<b>Camera Power Supplies</b> (28 21 31 00-0029)		
28 21 31 00-0589	EA			20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000) .....	39.11	10.45
28 21 31 00-0590	EA			50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000) .....	69.45	10.45
28 21 31 00-0591	EA			2 Amperes, 4 Outputs, Camera Power Supply (Pelco MCS4-2) .....	268.70	20.90
28 21 31 00-0592	EA			5 Amperes, 8 Outputs, Camera Power Supply (Pelco MCS8-5) .....	310.54	31.35
28 21 31 00-0593	EA			10 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-10) .....	350.28	41.81
28 21 31 00-0594	EA			For Switchable Outputs, Add 20 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-20) .....	160.01 392.13	52.25
				For Switchable Outputs, Add	172.57	
28 21 31 00-0595				<b>Camera Illuminators</b> (28 21 31 00-0029)		
28 21 31 00-0596				<b>Camera Illuminators</b> (28 21 31 00-0595) Note: Includes lamp and mounting bracket.		
28 21 31 00-0597	EA			Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF) .....	1,591.27	20.90
28 21 31 00-0598	EA			Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS) .....	1,591.27	20.90
28 21 31 00-0599	EA			Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF) .....	1,591.27	20.90
28 21 31 00-0600				<b>Camera Illuminator Accessories</b> (28 21 31 00-0595)		
28 21 31 00-0601	EA			Removal And Replacement Of Lamp For Low Light Level Camera Illuminator (Pelco PAR56) .....	127.78	20.90
28 21 31 00-0602				<b>Camera Receivers</b> (28 21 31 00-0029)		
28 21 31 00-0603	EA			24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP) .....	1,531.39	35.69
28 21 31 00-0604	EA			120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP) .....	1,531.39	35.69
28 21 31 00-0605				<b>Pan And Tilt Drives</b> (28 21 31 00-0029)		

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0606	EA		15 LB Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P) .....	1,080.17	78.38
28 21 31 00-0607	EA		40 LB Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P) .....	1,375.50	78.38
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0608	EA		100 LB Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P).....	2,924.96	78.38
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0609	EA		100 LB Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC).....	3,344.69	78.38
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0610	EA		100 LB Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL).....	3,872.64	78.38
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0611	EA		100 LB Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX).....	4,995.30	78.38
			<i>For Preset Positioning, Add</i>	165.00	
<b>28 21 31 00-0612</b>			<b>Scanners</b> (28 21 31 00-0029)		
28 21 31 00-0613	EA		35 LB Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24).....	1,234.91	78.38
			<i>For Wall Mount, Add</i>	39.05	
			<i>For Pressure Sensor Alarm, Add</i>	51.15	
28 21 31 00-0614	EA		35 LB Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20).....	1,298.63	78.38
			<i>For Wall Mount, Add</i>	39.05	
			<i>For Pressure Sensor Alarm, Add</i>	51.15	
<b>28 21 31 00-0615</b>			<b>Camera Monitors</b> (28 21 31 00-0028)		
<b>28 21 31 00-0616</b>			<b>Camera Monitors</b> (28 21 31 00-0615)		
<b>28 21 31 00-0617</b>			<b>Monochrome Camera Monitors</b> (28 21 31 00-0616)		
28 21 31 00-0618	EA		9" Monochrome Camera Monitor (Pelco PMM9A) .....	240.71	15.68
28 21 31 00-0619	EA		12" Monochrome Camera Monitor (Pelco PMM12A) .....	276.11	15.68
28 21 31 00-0620	EA		15" Monochrome Camera Monitor (Pelco PMM15A) .....	425.80	15.68
28 21 31 00-0621	EA		20" Monochrome Camera Monitor (Pelco PMM20A) .....	687.75	15.68
<b>28 21 31 00-0622</b>			<b>Color Camera Monitors</b> (28 21 31 00-0616)		
28 21 31 00-0623	EA		9", High Resolution Color, Camera Monitor (Pelco PMC9A).....	776.75	15.68
28 21 31 00-0624	EA		15", High Resolution Color, Camera Monitor (Pelco PMCS15A) .....	629.09	15.68
28 21 31 00-0625	EA		17", High Resolution Color, Camera Monitor (Pelco PMCS17A) .....	916.33	15.68
28 21 31 00-0626	EA		19", High Resolution Color, Camera Monitor (Pelco PMCS19A) .....	1,219.75	15.68
<b>28 21 31 00-0627</b>			<b>LCD Camera Monitors</b> (28 21 31 00-0615)		
<b>28 21 31 00-0628</b>			<b>VGA Signal, Color LCD Camera Monitors (Pelco 200 Series)</b> (28 21 31 00-0627)		
			Note: Displays VGA computer signals.		
28 21 31 00-0629	EA		17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217) .....	878.90	15.68
28 21 31 00-0630	EA		19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219) .....	1,145.91	15.68
<b>28 21 31 00-0631</b>			<b>Multimode, Color LCD Camera Monitors (Pelco 300 Series)</b> (28 21 31 00-0627)		
			Note: Displays VGA computer signals and/or composite video signals.		
28 21 31 00-0632	EA		15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315) .....	1,000.27	15.68
28 21 31 00-0633	EA		17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317) .....	1,198.51	15.68
28 21 31 00-0634	EA		19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319) .....	1,475.63	15.68
<b>28 21 31 00-0635</b>			<b>Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series)</b> (28 21 31 00-0627)		
			Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 31 00-0636	EA		15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415).....	1,285.49	15.68
28 21 31 00-0637	EA		17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417).....	1,491.81	15.68
28 21 31 00-0638	EA		19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419).....	1,873.11	15.68
<b>28 21 31 00-0639</b>			<b>Camera Monitor Mounting Accessories</b> (28 21 31 00-0615)		
<b>28 21 31 00-0640</b>			<b>Camera Monitor Mounts</b> (28 21 31 00-0639)		
28 21 31 00-0641	EA		Up To 14", Camera Monitor Mount (Pelco) .....	294.66	20.90
28 21 31 00-0642	EA		>14" To 17", Camera Monitor Mount (Pelco) .....	344.22	20.90
28 21 31 00-0643	EA		>17" To 21", Camera Monitor Mount (Pelco) .....	404.90	20.90
<b>28 21 31 00-0644</b>			<b>Camera Monitor Rack Mount Kits</b> (28 21 31 00-0639)		
28 21 31 00-0645	EA		Camera Monitor Rack Mount Kit (Pelco PMCL-RM) .....	176.33	20.90
<b>28 21 31 00-0646</b>			<b>Video Transmission Equipment</b> (28 21 31 00-0028)		
<b>28 21 31 00-0647</b>			<b>UTP Cable, Video Transmission Equipment</b> (28 21 31 00-0646)		
<b>28 21 31 00-0648</b>			<b>UTP Cable, Active Video Receivers</b> (28 21 31 00-0647)		
28 21 31 00-0649	EA		Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR) .....	370.84	26.13
28 21 31 00-0650	EA		Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR).....	1,294.25	26.13
28 21 31 00-0651	EA		Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US) .....	2,553.44	26.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0652 EA Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US) .....	4,198.99	26.13
28 21 31 00-0653 EA Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US) .....	4,903.94	26.13
<b>28 21 31 00-0654 UTP Cable, Passive Video Transceivers (28 21 31 00-0647)</b>		
28 21 31 00-0655 EA Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P) .....	103.83	26.13
28 21 31 00-0656 EA Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P) .....	370.84	26.13
28 21 31 00-0657 EA Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P) .....	690.44	26.13
28 21 31 00-0658 EA Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P) .....	1,319.53	26.13
28 21 31 00-0659 EA Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P) .....	2,587.83	26.13
<b>28 21 31 00-0660 UTP Cable, Active Video Transmitters (28 21 31 00-0647)</b>		
28 21 31 00-0661 EA Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT) .....	388.03	26.13
<b>28 21 31 00-0662 Fiber Optics, Video Transmission Equipment (28 21 31 00-0646)</b>		
<b>28 21 31 00-0663 Data Only, Fiber Optics Transmission Equipment (28 21 31 00-0662)</b>		
<b>28 21 31 00-0664 Bidirectional Data, Fiber Optics Transmitters (28 21 31 00-0663)</b>		
28 21 31 00-0665 EA Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS) .....	2,277.00	52.25
28 21 31 00-0666 EA Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM) .....	923.74	52.25
28 21 31 00-0667 EA Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S) .....	1,661.05	52.25
28 21 31 00-0668 EA Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M) .....	1,142.21	52.25
<b>28 21 31 00-0669 Bidirectional Data, Fiber Optics Receivers (28 21 31 00-0663)</b>		
28 21 31 00-0670 EA Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS) .....	2,277.00	52.25
28 21 31 00-0671 EA Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM) .....	923.74	52.25
28 21 31 00-0672 EA Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S) .....	1,661.05	52.25
28 21 31 00-0673 EA Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M) .....	1,142.21	52.25
<b>28 21 31 00-0674 Video Only, Fiber Optics Transmission Equipment (28 21 31 00-0662)</b>		
<b>28 21 31 00-0675 Digitally Encoded Video, Fiber Optics Transmitters (28 21 31 00-0674)</b>		
28 21 31 00-0676 EA Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS) .....	1,004.66	52.25
28 21 31 00-0677 EA Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM) .....	432.20	52.25
28 21 31 00-0678 EA Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S) .....	2,803.94	52.25
28 21 31 00-0679 EA Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M) .....	1,681.28	52.25
28 21 31 00-0680 EA Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S) .....	4,600.18	52.25
28 21 31 00-0681 EA Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M) .....	3,823.43	52.25
28 21 31 00-0682 EA Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S) .....	11,437.25	52.25
28 21 31 00-0683 EA Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M) .....	10,178.05	52.25
<b>28 21 31 00-0684 Digitally Encoded Video, Fiber Optics Receivers (28 21 31 00-0674)</b>		
28 21 31 00-0685 EA Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS) .....	1,004.66	52.25
28 21 31 00-0686 EA Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM) .....	432.20	52.25
28 21 31 00-0687 EA Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS) .....	1,722.75	52.25
28 21 31 00-0688 EA Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM) .....	692.13	52.25
28 21 31 00-0689 EA Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S) .....	2,803.94	52.25
28 21 31 00-0690 EA Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M) .....	1,681.28	52.25
28 21 31 00-0691 EA Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S) .....	4,600.18	52.25
28 21 31 00-0692 EA Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M) .....	3,823.43	52.25
28 21 31 00-0693 EA Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S) .....	11,437.25	52.25
28 21 31 00-0694 EA Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M) .....	10,178.05	52.25
<b>28 21 31 00-0695 Video And Data, Fiber Optics Transmission Equipment (28 21 31 00-0662)</b>		
<b>28 21 31 00-0696 Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters (28 21 31 00-0695)</b>		
28 21 31 00-0697 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS) .....	1,739.94	52.25
28 21 31 00-0698 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM) .....	1,032.98	52.25
28 21 31 00-0699 EA Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S) .....	4,065.15	52.25
28 21 31 00-0700 EA Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M) .....	3,517.99	52.25
28 21 31 00-0701 EA Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S) .....	6,586.57	52.25
28 21 31 00-0702 EA Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M) .....	4,772.12	52.25
<b>28 21 31 00-0703 Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers (28 21 31 00-0695)</b>		
28 21 31 00-0704 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS) .....	1,739.94	52.25

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0705 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM) .....	1,032.98	52.25
28 21 31 00-0706 EA Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S) .....	4,065.15	52.25
28 21 31 00-0707 EA Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M).....	3,517.99	52.25
28 21 31 00-0708 EA Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S) .....	6,586.57	52.25
28 21 31 00-0709 EA Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M).....	4,772.12	52.25
<b>28 21 31 00-0710 Video, Audio And Data, Fiber Optics Transmission Equipment (28 21 31 00-0662)</b>		
<b>28 21 31 00-0711 Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters (28 21 31 00-0710)</b>		
28 21 31 00-0712 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S) .....	2,244.63	52.25
28 21 31 00-0713 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M).....	1,783.43	52.25
<b>28 21 31 00-0714 Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers (28 21 31 00-0710)</b>		
28 21 31 00-0715 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S) .....	2,244.63	52.25
28 21 31 00-0716 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M) .....	1,783.43	52.25
<b>28 21 31 00-0717 Video Amplifiers (28 21 31 00-0646)</b>		
<b>28 21 31 00-0718 Video Distribution Amplifiers (28 21 31 00-0717)</b>		
28 21 31 00-0719 EA 1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT).....	275.95	13.07
28 21 31 00-0720 EA 16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA).....	2,262.34	13.07
Note: Inserts time-date and title on up to 16 video inputs.		
<b>28 21 31 00-0721 Video Equalizing Amplifiers (28 21 31 00-0717)</b>		
28 21 31 00-0722 EA Video Equalizing Amplifier (Pelco EA2010) .....	300.22	13.07
28 21 31 00-0723 EA Half-Duplex, Video Equalizing Amplifier (Pelco EA2000).....	473.17	13.07
<b>28 21 31 00-0724 Network Video Equipment (28 21 31 00-0028)</b>		
<b>28 21 31 00-0725 Video Encoders/Decoders (28 21 31 00-0724)</b>		
28 21 31 00-0726 EA MPEG4 IP Video Receiver (Pelco NET300R).....	1,111.86	26.13
28 21 31 00-0727 EA MPEG4 IP Video Transmitter (Pelco NET300T) .....	1,111.86	26.13
28 21 31 00-0728 EA MPEG4 IP Video Receiver With Audio (Pelco NET350R) .....	1,281.78	26.13
28 21 31 00-0729 EA MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T) .....	1,281.78	26.13
<b>28 21 31 00-0730 Network Video Recorders (28 21 31 00-0724)</b>		
28 21 31 00-0731 EA 16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316) .....	7,109.47	52.25
28 21 31 00-0732 EA 32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332) .....	8,275.61	52.25
28 21 31 00-0733 EA 64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364) .....	10,609.92	52.25
28 21 31 00-0734 EA 64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300).....	7,021.47	52.25
<b>28 21 31 00-0735 Network Video Recorder Software (28 21 31 00-0724)</b>		
28 21 31 00-0736 EA 10 User, License Pack (Pelco VMX300-LIC-10) .....	703.93	
28 21 31 00-0737 EA 20 User, License Pack (Pelco VMX300-LIC-20) .....	1,269.31	
28 21 31 00-0738 EA 50 User, License Pack (Pelco VMX300-LIC-50) .....	2,818.77	
28 21 31 00-0739 EA 100 User, License Pack (Pelco VMX300-LIC-100) .....	4,930.58	
28 21 31 00-0740 EA 10 User, Enterprise License Pack (Pelco VMX300-E-LIC10) .....	1,175.25	
28 21 31 00-0741 EA 20 User, Enterprise License Pack (Pelco VMX300-E-LIC20) .....	2,113.83	
28 21 31 00-0742 EA 50 User, Enterprise License Pack (Pelco VMX300-E-LIC50) .....	4,697.95	
28 21 31 00-0743 EA 100 User, Enterprise License Pack (Pelco VMX300-E-LIC100).....	8,219.65	
28 21 31 00-0744 EA 200 User, Enterprise License Pack (Pelco VMX300-E-LIC200).....	14,089.81	
28 21 31 00-0745 EA 500 User, Enterprise License Pack (Pelco VMX300-E-LIC500).....	29,352.85	
28 21 31 00-0746 EA 0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0).....	6,326.17	
28 21 31 00-0747 EA 1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1).....	6,717.58	
28 21 31 00-0748 EA 4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4).....	10,632.71	
28 21 31 00-0749 EA 0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0) .....	7,031.12	
28 21 31 00-0750 EA 1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1) .....	7,422.53	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0751 EA 4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4) .....	11,335.64	
28 21 31 00-0752 EA 0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0) .....	6,796.47	
28 21 31 00-0753 EA 1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1) .....	7,188.90	
28 21 31 00-0754 EA 4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4) .....	11,103.02	
28 21 31 00-0755 EA 0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0) .....	7,969.70	
28 21 31 00-0756 EA 1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1) .....	8,361.11	
28 21 31 00-0757 EA 4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4) .....	12,276.24	
<b>28 21 31 00-0758 Video Recording Equipment</b> (28 21 31 00-0028)		
<b>28 21 31 00-0759 Digital Video Recorders</b> (28 21 31 00-0758)		
28 21 31 00-0760 EA 8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A) .....	11,139.90	52.25
28 21 31 00-0761 EA 8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A) .....	15,280.57	52.25
28 21 31 00-0762 EA 8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A) .....	19,422.25	52.25
28 21 31 00-0763 EA 16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A) .....	13,414.53	52.25
28 21 31 00-0764 EA 16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A) .....	17,555.21	52.25
28 21 31 00-0765 EA 16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A) .....	21,696.89	52.25
28 21 31 00-0766 EA 24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A) .....	14,665.64	52.25
28 21 31 00-0767 EA 24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A) .....	18,806.31	52.25
28 21 31 00-0768 EA 24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A) .....	22,947.99	52.25
28 21 31 00-0769 EA 32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A) .....	16,940.27	52.25
28 21 31 00-0770 EA 32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A) .....	21,080.95	52.25
28 21 31 00-0771 EA 32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A) .....	25,222.63	52.25
28 21 31 00-0772 EA 16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500) .....	12,298.25	52.25
<b>28 21 31 00-0773 Digital Video Recorder Accessories</b> (28 21 31 00-0758)		
28 21 31 00-0774 EA 16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16) .....	1,075.45	26.13
<b>28 21 31 00-0775 Matrix Systems And Controls</b> (28 21 31 00-0028)		
<b>28 21 31 00-0776 Video Multiplexers</b> (28 21 31 00-0775)		
<b>28 21 31 00-0777 Monochrome Duplex, Video Multiplexers</b> (28 21 31 00-0776)		
28 21 31 00-0778 EA 9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD) .....	2,040.33	52.25
28 21 31 00-0779 EA 16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD) .....	1,928.06	52.25
<b>28 21 31 00-0780 Color Duplex, Video Multiplexers</b> (28 21 31 00-0776)		
28 21 31 00-0781 EA 4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD) .....	1,375.84	52.25
28 21 31 00-0782 EA 9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD) .....	2,630.99	52.25
28 21 31 00-0783 EA 16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD) .....	2,852.48	52.25
<b>28 21 31 00-0784 Color Simplex, Video Multiplexers</b> (28 21 31 00-0776)		
28 21 31 00-0785 EA 9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS) .....	2,210.24	52.25
28 21 31 00-0786 EA 16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS) .....	2,582.44	52.25
<b>28 21 31 00-0787 Video Multiplexer Accessories</b> (28 21 31 00-0776)		
28 21 31 00-0788 EA Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000) .....	1,210.78	35.69
28 21 31 00-0789 EA Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002) .....	707.10	35.69
28 21 31 00-0790 EA Video Multiplexer Server (Pelco MX4000SVR) .....	2,040.33	52.25
<b>28 21 31 00-0791 Quad Video Processor</b> (28 21 31 00-0775)		
28 21 31 00-0792 EA Monochrome, Quad Video Processor (Pelco QD104M) .....	629.76	26.13
28 21 31 00-0793 EA Color, Quad Video Processor (Pelco QD104C) .....	1,034.32	26.13
<b>28 21 31 00-0794 Switcher</b> (28 21 31 00-0775)		
<b>28 21 31 00-0795 Terminating Manual Switchers</b> (28 21 31 00-0794)		
<b>28 21 31 00-0796 Terminating Manual Switchers</b> (28 21 31 00-0795)		
28 21 31 00-0797 EA 4 Inputs, Terminating Manual Switcher (Pelco MS504DT) .....	216.78	20.90
28 21 31 00-0798 EA 8 Inputs, Terminating Manual Switcher (Pelco MS508DT) .....	295.67	20.90
28 21 31 00-0799 EA 12 Inputs, Terminating Manual Switcher (Pelco MS512DT) .....	360.40	20.90
28 21 31 00-0800 EA 18 Inputs, Terminating Manual Switcher (Pelco MS518DT) .....	592.01	20.90
<b>28 21 31 00-0801 Audio Follow, Terminating Manual Switchers</b> (28 21 31 00-0795)		

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0802 EA 4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF) .....	281.51	20.90
28 21 31 00-0803 EA 8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF) .....	498.96	20.90
28 21 31 00-0804 EA 18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF) .....	874.19	20.90
<b>28 21 31 00-0805 Balanced Audio Follow, Terminating Manual Switchers (28 21 31 00-0795)</b>		
28 21 31 00-0806 EA 4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF) .....	377.59	20.90
28 21 31 00-0807 EA 8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF) .....	695.17	20.90
<b>28 21 31 00-0808 Looping Manual Switchers (28 21 31 00-0794)</b>		
<b>28 21 31 00-0809 Looping Manual Switchers (28 21 31 00-0808)</b>		
28 21 31 00-0810 EA 4 Inputs, Looping Manual Switcher (Pelco MS504LDT) .....	243.08	20.90
28 21 31 00-0811 EA 8 Inputs, Looping Manual Switcher (Pelco MS508LDT) .....	335.12	20.90
28 21 31 00-0812 EA 12 Inputs, Looping Manual Switcher (Pelco MS512LDT) .....	428.16	20.90
28 21 31 00-0813 EA 18 Inputs, Looping Manual Switcher (Pelco MS518LDT) .....	708.32	20.90
<b>28 21 31 00-0814 Audio Follow, Looping Manual Switchers (28 21 31 00-0808)</b>		
28 21 31 00-0815 EA 4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL) .....	303.76	20.90
28 21 31 00-0816 EA 8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL) .....	533.35	20.90
28 21 31 00-0817 EA 12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL) .....	733.61	20.90
<b>28 21 31 00-0818 Balanced Audio Follow, Looping Manual Switchers (28 21 31 00-0808)</b>		
28 21 31 00-0819 EA 4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL) .....	404.90	20.90
28 21 31 00-0820 EA 8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL) .....	736.64	20.90
28 21 31 00-0821 EA 12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL) .....	927.80	20.90
<b>28 21 31 00-0822 Sequential Switchers (28 21 31 00-0794)</b>		
<b>28 21 31 00-0823 Single Output, Sequential Switchers (28 21 31 00-0822)</b>		
28 21 31 00-0824 EA 4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104) .....	429.18	20.90
28 21 31 00-0825 EA 8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108) .....	641.57	20.90
<b>28 21 31 00-0826 Dual Outputs, Sequential Switchers (28 21 31 00-0822)</b>		
28 21 31 00-0827 EA 4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204) .....	537.40	20.90
28 21 31 00-0828 EA 8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208) .....	745.74	20.90
<b>28 21 31 00-0829 Controls (28 21 31 00-0775)</b>		
<b>28 21 31 00-0830 Direct/Multi-Cable Controls (28 21 31 00-0829)</b>		
28 21 31 00-0831 EA Scanner Control Module (Pelco MPS524DT) .....	363.43	52.25
28 21 31 00-0832 EA 120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT) .....	388.71	52.25
28 21 31 00-0833 EA 24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT) .....	432.20	52.25
28 21 31 00-0834 EA Motorized Zoom Lens Control Module (Pelco MLZ6DT) .....	452.43	52.25
28 21 31 00-0835 EA 120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT) .....	719.44	52.25
28 21 31 00-0836 EA 24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT) .....	793.27	52.25
<b>28 21 31 00-0837 Coaxitron Controls (28 21 31 00-0829)</b>		
28 21 31 00-0838 EA Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000) .....	518.98	35.69
28 21 31 00-0839 EA 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000) .....	995.35	35.69
28 21 31 00-0840 EA Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008) .....	1,131.89	35.69
<b>28 21 31 00-0841 Digital Controls (28 21 31 00-0829)</b>		
28 21 31 00-0842 EA Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A) .....	702.04	35.69
28 21 31 00-0843 EA Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A) .....	1,200.66	35.69
<b>28 21 31 00-0844 Lock Boxes (28 21 31 00-0775)</b>		
28 21 31 00-0845 EA VCR Lock Box (Pelco LB1000) .....	431.36	39.19
For Wall Mount, Add	165.00	
28 21 31 00-0846 EA Computer Disk Drive Lock Box (Pelco LB2000) .....	441.47	39.19
28 21 31 00-0847 EA VCR And Multiplexer Lock Box (Pelco LB3000) .....	815.69	39.19
Note: Includes storage for 32 VCR tapes.		
<b>28 21 31 00-0848 Test And Certification Of Surveillance Camera System (28 21 31)</b>		
28 21 31 00-0849 DAY Test And Certification Of Surveillance Camera System To Tie Into Existing Systems .....	828.35	
28 21 31 00-0850 HR Test And Certification Of Surveillance Camera System .....	258.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>28 21 31 00-0851</b> Programming Of Surveillance Camera System <small>(28 21 31)</small>		
28 21 31 00-0852 HR Programming Of Surveillance Camera System .....	310.63	
<b>28 21 31 00-0853</b> Removal And Reinstallation Of Cameras <small>(28 21 31)</small>		
Note: Includes storage, cleaning and supply materials.		
28 21 31 00-0854 EA Removal And Reinstallation Of Camera System .....	470.29	
<b>28 40 Life Safety</b> <small>(28)</small>		
Note: Includes testing of new devices and certification.		
<b>28 42 Gas Detection and Alarm</b> <small>(28 40)</small>		
<b>28 42 11 Gas Detection and Alarm Control, GUI, and Logic Systems</b> <small>(28 42)</small>		
<b>28 42 11 00-0001</b> Monitoring System For Underground Tanks <small>(28 42 11)</small>		
<b>28 42 11 00-0002</b> Continuous Leak Detection System <small>(28 42 11 00-0001)</small>		
Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.		
28 42 11 00-0003 EA Single Channel Underground Tank Monitoring System .....	6,791.68	427.68
28 42 11 00-0004 EA 2 Channel Underground Tank Monitoring System .....	9,162.35	570.59
28 42 11 00-0005 EA 3 Channel Underground Tank Monitoring System .....	12,928.48	611.26
28 42 11 00-0006 EA 4 Channel Underground Tank Monitoring System .....	13,903.70	855.35
28 42 11 00-0007 EA Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System .....	9,674.58	73.02
28 42 11 00-0008 EA Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System .....	8,724.39	65.20
28 42 11 00-0009 EA Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System .....	11,470.01	73.02
28 42 11 00-0010 EA Tank Leak Detection Probe .....	3,549.25	15.65
28 42 11 00-0011 EA Secondary Containment Collar Probe .....	434.05	6.26
28 42 11 00-0012 EA Interstitial Leak Detection Probe .....	795.86	13.04
28 42 11 00-0013 EA Liquid Phase Detection .....	2,625.76	39.12
28 42 11 00-0014 EA Hydrocarbon Vapor, Fixed .....	2,424.23	39.12
28 42 11 00-0015 EA Hydrocarbon Vapor, Float Mounted .....	2,832.22	44.33
28 42 11 00-0016 EA Liquid And Vapor Hydrocarbon .....	3,235.28	44.33
<b>28 42 15 Gas Detection Sensors</b> <small>(28 42)</small>		
<b>28 42 15 00-0001</b> Hydrogen Gas Detection <small>(28 42 15)</small>		
28 42 15 00-0002 EA Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR) .....	1,858.54	39.19
28 42 15 00-0003 EA Hydrogen Gas Detector Junction Box (SBS HGDI-JB) .....	95.75	39.19
28 42 15 00-0004 EA Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM) .....	466.24	39.19
<b>28 43 Fuel Oil Detection and Alarm</b> <small>(28 40)</small>		
See CSI section 28 42 00 00-0000 for detection and alarms.		
<b>28 46 Fire Detection and Alarm</b> <small>(28 40)</small>		
<b>28 46 13 Fire-Alarm Systems</b> <small>(28 46)</small>		
<b>28 46 13 31 Proprietary Supervising-Station Fire-Alarm Systems</b> <small>(28 46 13)</small>		
Note: Includes programming of equipment, testing and certification of new devices.		
<b>28 46 13 31-0001</b> Edwards Fire Alarm <small>(28 46 13 31)</small>		
<b>28 46 13 31-0002</b> EST3 Life Safety And Security Control <small>(28 46 13 31-0001)</small>		
<b>28 46 13 31-0003</b> EST3 Network <small>(28 46 13 31-0002)</small>		
<b>28 46 13 31-0004</b> Remote Annunciators <small>(28 46 13 31-0003)</small>		
28 46 13 31-0005 EA Remote LCD Command Module Annunciator (EST3 3-LCDANN) .....	1,491.50	78.38
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 13 31-0006 EA Six Position Base Annunciator (EST3 3-6ANN) .....	1,212.28	78.38
Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 46 13 31-0007 EA Ten Position Base Annunciator (EST3 3-10ANN) .....	1,537.87	78.38
Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 46 13 31-0008 EA Annunciator CPU (EST3 3-ANNCPU3) .....	973.95	78.38
Note: One Required per graphic annunciator.		
28 46 13 31-0009 EA Annunciator Support Module (EST3 3-ANNM) .....	176.60	26.13
Note: Takes one space in Annunciator box. Supports one Control/Display module.		
28 46 13 31-0010 EA Liquid Crystal Display Module (EST3 3-LCD) .....	619.98	78.38
Note: Mounts over 3-CPU(1).		
28 46 13 31-0011 EA Liquid Crystal Display Module (EST3 3-LCDXL) .....	734.72	78.38
Note: Mounts over 3-ANNCPU plus two spaces.		
28 46 13 31-0012 EA LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA) .....	701.59	78.38
Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.		

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0013	EA		Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA)..... Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	826.38	52.25
28 46 13 31-0014	EA		Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX)..... Note: Mounts up to three 3-EVDVRA modules.	121.17	26.13
28 46 13 31-0015	EA		Central Processor Unit Module (EST3 3-CPU3)..... Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,769.53	78.38
28 46 13 31-0016	EA		120 Volt AC, 50/60 Hertz, Primary Power Supply With Local Rail Module (EST3 3-CPU3)..... Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,571.15	26.13
<b>28 46 13 31-0017</b>			<b>Remote Annunciators Cabinets</b> (28 46 13 31-0003)		
28 46 13 31-0018	EA		Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCMB/B).....	131.09	26.13
28 46 13 31-0019	EA		Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCMB/B-S).....	120.65	20.90
28 46 13 31-0020	EA		Six Position LED/LCD Flush Wallbox (EST3 6ANN/B).....	148.58	26.13
28 46 13 31-0021	EA		Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S).....	138.14	20.90
28 46 13 31-0022	EA		Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B).....	164.99	26.13
28 46 13 31-0023	EA		Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S).....	154.55	20.90
<b>28 46 13 31-0024</b>			<b>Audio And Telephone Masters</b> (28 46 13 31-0003)		
28 46 13 31-0025	EA		Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT).....	4,894.17	104.51
28 46 13 31-0026	EA		Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4).....	2,715.09	104.51
28 46 13 31-0027	EA		Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU).....	2,105.39	104.51
28 46 13 31-0028	EA		Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU).....	2,565.27	104.51
28 46 13 31-0029	EA		Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100).....	2,932.93	104.51
28 46 13 31-0030	EA		Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95).....	2,099.72	52.25
<b>28 46 13 31-0031</b>			<b>Battery Distribution Unit</b> (28 46 13 31-0003)		
28 46 13 31-0032	EA		Battery Distribution Unit (EST3 3-BTSEN).....	519.56	415.05
<b>28 46 13 31-0033</b>			<b>Remote Booster Power Supply</b> (28 46 13 31-0003)		
28 46 13 31-0034	EA		6.5 Amperes, 120 Volt AC, Booster Power Supply (EST3 BPS6A).....	837.81	78.38
28 46 13 31-0035	EA		10 Amperes, 110 Volt AC Booster Power Supply (EST3 BPS10).....	958.99	78.38
28 46 13 31-0036	EA		10 Amperes, 220 Volt AC Booster Power Supply (EST3 BPS10220).....	1,048.28	78.38
28 46 13 31-0037	EA		Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP).....	134.02	26.13
<b>28 46 13 31-0038</b>			<b>Batteries And Battery Cabinets</b> (28 46 13 31-0003)		
28 46 13 31-0039	EA		1.2 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V1A2 (1.2 Ampere Hours)).....	100.74	26.13
28 46 13 31-0040	EA		4 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V4A (4.5 Ampere Hours)).....	127.07	26.13
28 46 13 31-0041	EA		24 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V24A (26 Ampere Hours)).....	308.69	26.13
28 46 13 31-0042	EA		6.5 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V6A5 (7.2 Ampere Hours)).....	137.61	26.13
28 46 13 31-0043	EA		40 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V40A (40 Ampere Hours)).....	393.01	26.13
28 46 13 31-0044	EA		10 Amperes Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V10A (11 Ampere Hours)).....	218.47	26.13
28 46 13 31-0045	EA		50 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V50A (50 Ampere Hours)).....	803.79	26.13
28 46 13 31-0046	EA		17 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V17A (18 Ampere Hours)).....	223.90	26.13
28 46 13 31-0047	EA		65 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V65A (65 Amp Hours)).....	968.97	26.13
28 46 13 31-0048	EA		8 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V8A (8 Amp Hours)).....	121.94	26.13
28 46 13 31-0049	EA		10 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V10A (12 Amp Hours)).....	108.79	26.13
28 46 13 31-0050	EA		14" x 18-1/4" x 7-1/4" Free Standing Battery Cabinet With Key Lock (EST3 BC-1)..... Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	398.21	52.25
28 46 13 31-0051	EA		22" x 15" x 3-3/4" Grey Battery Cabinet (EST3 BC-2)..... Note: Holds up to two 12V17A batteries.	327.30	52.25
28 46 13 31-0052	EA		Remote Closet Enclosure (EST3 3-RCC7R).....	1,135.26	104.51
28 46 13 31-0053	EA		Remote Closet Enclosure (EST3 3-RCC14R).....	1,414.39	104.51
28 46 13 31-0054	EA		Remote Closet Enclosure (EST3 3-RCC21R).....	1,993.22	104.51
<b>28 46 13 31-0055</b>			<b>Serial Printer</b> (28 46 13 31-0003)		
28 46 13 31-0056	EA		System Printer - Desk Top Style (EST3 PT-1S).....	1,098.08	26.13
<b>28 46 13 31-0057</b>			<b>Intelligent Analog Initiating Devices</b> (28 46 13 31-0002)		
<b>28 46 13 31-0058</b>			<b>Detectors, Signature</b> (28 46 13 31-0057)		
28 46 13 31-0059	EA		Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHS).....	237.16	39.19
28 46 13 31-0060	EA		Black, Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHSB).....	267.81	39.19
28 46 13 31-0061	EA		Intelligent 3D Multisensor Detector For Photoelectric And Heat (EST3 SIGA-PHS).....	228.03	39.19
28 46 13 31-0062	EA		Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS).....	200.64	39.19
28 46 13 31-0063	EA		Intelligent Ionization Smoke Detector (EST3 SIGA-IS).....	209.77	39.19
28 46 13 31-0064	EA		135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA-HRS).....	170.11	39.19
28 46 13 31-0065	EA		135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA-HFS).....	170.11	39.19
28 46 13 31-0066	EA		Passive Infrared Motion Detector (EST3 SIGA-MD).....	275.96	39.19
28 46 13 31-0067	EA		Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS).....	305.87	39.19
28 46 13 31-0068	EA		Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS).....	256.37	39.19
28 46 13 31-0069	EA		Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS).....	375.09	39.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0070 EA 135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA2-HFS) .....	212.06	39.19
28 46 13 31-0071 EA 135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA2-HRS) .....	212.06	39.19
28 46 13 31-0072 EA Photoelectric, Heat, Intelligent 3D Multisensor Detector (EST3 SIGA2-PHS) .....	296.26	39.19
<b>28 46 13 31-0073 Detectors, Duct Housings and Accessories, Signature</b> <small>(28 46 13 31-0057)</small>		
28 46 13 31-0074 EA Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD) .....	483.41	65.32
28 46 13 31-0075 EA Superduct, Test Magnet Kit (EST3 SD-MAG) .....	19.66	
28 46 13 31-0076 EA Superduct, 120" Air Sample Tube (EST3 SD-T120) .....	61.74	15.68
28 46 13 31-0077 EA Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK) .....	125.28	20.90
28 46 13 31-0078 EA Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS) .....	171.62	20.90
28 46 13 31-0079 EA High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL) .....	72.40	20.90
<b>28 46 13 31-0080 Modules, Signature</b> <small>(28 46 13 31-0057)</small>		
28 46 13 31-0081 EA Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB) .....	226.27	26.13
28 46 13 31-0082 EA Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1) .....	115.91	26.13
28 46 13 31-0083 EA Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2) .....	160.30	26.13
28 46 13 31-0084 EA Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2) .....	201.84	26.13
28 46 13 31-0085 EA Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1) .....	177.06	26.13
28 46 13 31-0086 EA Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2) .....	186.27	26.13
28 46 13 31-0087 EA Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR) .....	139.36	26.13
<small>Note: Select for either N.O. or N.C. operation. Rated at 2 amperes (24 Volt DC).</small>		
28 46 13 31-0088 EA Control Relay UIO (Plug In) Module (EST3 SIGA-MCR) .....	174.51	26.13
28 46 13 31-0089 EA Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S) .....	235.55	26.13
28 46 13 31-0090 EA Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO) .....	229.42	26.13
28 46 13 31-0091 EA Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO) .....	220.29	26.13
28 46 13 31-0092 EA Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM) .....	201.36	175.24
28 46 13 31-0093 EA Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1) .....	145.41	26.13
<small>Note: Factory programmed for non-latching monitor operation.</small>		
28 46 13 31-0094 EA Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S) .....	236.55	26.13
<b>28 46 13 31-0095 Module Accessories, Signature</b> <small>(28 46 13 31-0057)</small>		
<small>Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.</small>		
28 46 13 31-0096 EA Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4) .....	56.80	13.07
28 46 13 31-0097 EA Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6) .....	198.88	26.13
28 46 13 31-0098 EA Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, - UM And -MAB Modules (EST3 235196P) .....	20.24	7.83
28 46 13 31-0099 EA Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1- Gang Signature Modules (EST3 SIGA-MP1) .....	67.36	13.07
28 46 13 31-0100 EA Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1- Gang Signature Modules (EST3 SIGA-MP2) .....	59.78	13.07
28 46 13 31-0101 EA Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L) .....	62.78	13.07
<b>28 46 13 31-0102 Single Action Pull Stations, Signature</b> <small>(28 46 13 31-0057)</small>		
28 46 13 31-0103 EA One Stage Fire Alarm Station, English Markings (EST3 SIGA-270) .....	242.01	54.34
28 46 13 31-0104 EA Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P) .....	287.81	54.34
28 46 13 31-0105 EA GA Key - For Pre Signal Station (EST3 276-K2) .....	33.71	28.48
28 46 13 31-0106 EA 20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR) .....	42.53	37.30
28 46 13 31-0107 EA Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB) .....	61.59	40.68
<b>28 46 13 31-0108 Double Action Pull Stations, Signature</b> <small>(28 46 13 31-0057)</small>		
28 46 13 31-0109 EA Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278) .....	204.19	54.34
28 46 13 31-0110 EA 12 Glass Rods For SIGA-278 Series (EST3 276-GLR) .....	43.18	5.22
<b>28 46 13 31-0111 Detector Bases and Accessories, Signature</b> <small>(28 46 13 31-0057)</small>		
<small>Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.</small>		
28 46 13 31-0112 EA Audible (Sounder) Base (EST3 SIGA-AB4G) .....	124.55	13.07
28 46 13 31-0113 EA Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB) .....	44.54	13.07
28 46 13 31-0114 EA Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4) .....	156.33	13.07
28 46 13 31-0115 EA Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG) .....	87.32	13.07
28 46 13 31-0116 EA Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGGB) .....	102.58	13.07
28 46 13 31-0117 EA Detector Mounting Plate (EST3 SIGA-DMP) .....	163.63	13.07
<small>Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.</small>		
28 46 13 31-0118 EA Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED) .....	56.80	13.07
28 46 13 31-0119 EA Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS) .....	20.38	7.83

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0120	EA		Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4).....	20.38	7.83
28 46 13 31-0121	EA		Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF).....	61.61	7.83
28 46 13 31-0122	EA		Detector Base With Isolator (EST3 SIGA-IB).....	101.03	13.07
28 46 13 31-0123	EA		Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4).....	107.57	13.07
28 46 13 31-0124	EA		Detector Base With Form 'C' Relay (EST3 SIGA-RB).....	69.69	13.07
28 46 13 31-0125	EA		Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4).....	89.62	13.07
28 46 13 31-0126	EA		Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4).....	40.37	13.07
<b>28 46 13 31-0127</b>			<b>Controllers, Signature</b> <small>(28 46 13 31-0057)</small>		
28 46 13 31-0128	EA		Signature Dual Driver Controller (EST3 3-SSDC1).....	3,509.08	78.38
28 46 13 31-0129	EA		Single Signature Loop Controller (EST3 3-SSDC1).....	2,004.14	78.38
28 46 13 31-0130	EA		Signature Loop Controller (EST3 3-SDC1).....	1,798.72	78.38
28 46 13 31-0131	EA		Analog Addressable Loop Controller (EST3 3-AADC1).....	2,893.36	78.38
<b>28 46 13 31-0132</b>			<b>Relays And Accessories</b> <small>(28 46 13 31-0057)</small>		
28 46 13 31-0133	EA		Multi Voltage Relay (EST3 MR101).....	181.47	26.13
28 46 13 31-0134	EA		Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T).....	52.91	13.07
<b>28 46 13 31-0135</b>			<b>Notification Appliances</b> <small>(28 46 13 31-0002)</small>		
<b>28 46 13 31-0136</b>			<b>Wall Strobes, Horns And Chimes</b> <small>(28 46 13 31-0135)</small>		
28 46 13 31-0137	EA		Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM).....	143.65	39.19
28 46 13 31-0138	EA		Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM).....	143.65	39.19
28 46 13 31-0139	EA		Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM).....	164.91	39.19
28 46 13 31-0140	EA		Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD).....	119.70	39.19
28 46 13 31-0141	EA		Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD).....	119.70	39.19
28 46 13 31-0142	EA		Temporal Horn, Hi/Lo dB Output, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-HD).....	119.70	39.19
28 46 13 31-0143	EA		Temporal Horn, Hi/Lo dB Output, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD).....	119.70	39.19
28 46 13 31-0144	EA		Horn (Steady Tone), 24 Volt DC, White, Not Compatible With Signal Master (EST3 G1-P).....	99.57	39.19
28 46 13 31-0145	EA		Horn (Steady Tone) - 24 Volt DC, Red, Not Compatible With Signal Master (EST3 G1R-P).....	99.57	39.19
28 46 13 31-0146	EA		Horn (Steady Tone), 24 Volt DC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P).....	99.57	39.19
28 46 13 31-0147	EA		Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM).....	251.68	39.19
28 46 13 31-0148	EA		Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM).....	251.68	39.19
28 46 13 31-0149	EA		Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C).....	162.32	39.19
28 46 13 31-0150	EA		Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C).....	162.32	39.19
28 46 13 31-0151	EA		Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575).....	143.65	39.19
28 46 13 31-0152	EA		Multi-cd Strobe, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-VM).....	143.65	39.19
28 46 13 31-0153	EA		Multi-Candela Strobe, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM).....	143.65	39.19
28 46 13 31-0154	EA		Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575).....	143.65	39.19
28 46 13 31-0155	EA		Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM).....	149.63	39.19
28 46 13 31-0156	EA		Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM).....	149.63	39.19
28 46 13 31-0157	EA		Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VMH).....	163.61	39.19
28 46 13 31-0158	EA		Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM).....	149.63	39.19
28 46 13 31-0159	EA		Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH).....	149.63	39.19
28 46 13 31-0160	EA		Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE).....	86.49	39.19
28 46 13 31-0161	EA		Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE).....	86.49	39.19
<b>28 46 13 31-0162</b>			<b>Wall Speakers And Speaker Strobes</b> <small>(28 46 13 31-0135)</small>		
28 46 13 31-0163	EA		Multi-Wattage 25 VRMS Speaker (EST3 G4-S2).....	117.90	39.19
28 46 13 31-0164	EA		Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM).....	185.32	39.19
28 46 13 31-0165	EA		Multi-Wattage 70 VRMS Speaker (EST3 G4-S7).....	117.90	39.19
28 46 13 31-0166	EA		Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM).....	185.32	39.19
28 46 13 31-0167	EA		Surface Box, White, For Genesis Speaker (EST3 G4B).....	58.24	20.90
28 46 13 31-0168	EA		Surface Box, Red, For Genesis Speaker (EST3 G4RB).....	58.24	20.90
<b>28 46 13 31-0169</b>			<b>Ceiling Speakers And Speaker Strobes</b> <small>(28 46 13 31-0135)</small>		
28 46 13 31-0170	EA		Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7).....	142.35	39.19
28 46 13 31-0171	EA		Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM).....	185.32	39.19
28 46 13 31-0172	EA		Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH).....	198.93	39.19
<b>28 46 13 31-0173</b>			<b>Harsh Environment Signals</b> <small>(28 46 13 31-0135)</small>		
28 46 13 31-0174	EA		Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T).....	125.61	39.19
28 46 13 31-0175	EA		15/75 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T).....	179.28	39.19
28 46 13 31-0176	EA		110 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T).....	179.28	39.19
28 46 13 31-0177	EA		15 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-5A-T).....	163.32	39.19
28 46 13 31-0178	EA		15/75 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-7A-T).....	152.72	39.19
28 46 13 31-0179	EA		30 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-3A-T).....	163.32	39.19
28 46 13 31-0180	EA		60 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-6A-T).....	163.32	39.19
28 46 13 31-0181	EA		110 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-8A-T).....	163.32	39.19
28 46 13 31-0182	EA		15/75 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T).....	180.37	44.42
28 46 13 31-0183	EA		110 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T).....	180.37	44.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0184 EA 15 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T).....	132.08	39.19
28 46 13 31-0185 EA 30 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T).....	174.18	39.19
<b>28 46 13 31-0186 Fire Alarm Bells (28 46 13 31-0135)</b>		
28 46 13 31-0187 EA 10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW).....	194.17	39.19
28 46 13 31-0188 EA 6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW).....	154.09	39.19
28 46 13 31-0189 EA 10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW).....	171.19	39.19
<b>28 46 13 31-0190 Multiple Tone Signal (28 46 13 31-0135)</b>		
28 46 13 31-0191 EA 27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW).....	1,281.03	1,241.84
<b>28 46 13 31-0192 Multi-Purpose Loudspeaker (28 46 13 31-0135)</b>		
28 46 13 31-0193 EA 15 Watt Loudspeaker, Gray (EST3 HPSA15G2570).....	258.09	39.19
28 46 13 31-0194 EA 15 Watt Loudspeaker, Red (EST3 HPSA15R2570).....	258.09	39.19
<b>28 46 13 31-0195 Bell/Strobe Plate (28 46 13 31-0135)</b>		
28 46 13 31-0196 EA Bell/Strobe Plate - 15cd (EST3 403-5A-R).....	130.38	20.90
<b>28 46 13 31-0197 Mounting Accessories (28 46 13 31-0135)</b>		
28 46 13 31-0198 EA Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11).....	59.48	20.90
28 46 13 31-0199 EA One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY).....	59.48	20.90
28 46 13 31-0200 EA Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16).....	59.48	20.90
28 46 13 31-0201 EA Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21).....	59.48	20.90
28 46 13 31-0202 EA Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26).....	59.48	20.90
<b>28 46 13 31-0203 Firefighters' Telephones (28 46 13 31-0135)</b>		
28 46 13 31-0204 EA Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4).....	1,142.25	65.32
28 46 13 31-0205 EA Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4).....	636.45	65.32
28 46 13 31-0206 EA Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F).....	454.30	65.32
28 46 13 31-0207 EA Telephone Handset Assembly - Red c/w 60' Coiled Cord (EST3 6830-1).....	327.32	65.32
28 46 13 31-0208 EA Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4).....	613.78	65.32
28 46 13 31-0209 EA Three State Telephone Handset Assembly - Red, 60' Coiled Cord, Push To Talk Button (EST3 6830-5A).....	372.64	65.32
28 46 13 31-0210 EA Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4).....	694.05	65.32
28 46 13 31-0211 EA Three State Telephone Handset Assembly - Red, 60' Armored Cord, Push To Talk Button (EST3 6830-6A).....	387.75	65.32
28 46 13 31-0212 EA Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4).....	796.84	65.32
28 46 13 31-0213 EA Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1).....	84.20	20.90
28 46 13 31-0214 EA Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4).....	97.35	20.90
28 46 13 31-0215 EA Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3).....	141.26	
28 46 13 31-0216 EA Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061).....	141.26	
28 46 13 31-0217 EA Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1).....	210.05	26.13
28 46 13 31-0218 EA Frontplate - Flush Mount, Red Finish, Non Break Glass Type With Two Keys (EST3 6831-2).....	262.39	26.13
28 46 13 31-0219 EA Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3).....	183.88	26.13
28 46 13 31-0220 EA Frontplate - Surface Mount, Red Finish, Non Break Glass Type, With Two Keys (EST3 6831-4).....	176.19	26.13
28 46 13 31-0221 EA Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1).....	126.20	39.19
28 46 13 31-0222 EA Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6).....	1,182.20	52.25
<b>28 46 13 31-0223 Mass Notification EC Appliances (28 46 13 31-0135)</b>		
28 46 13 31-0224 EA G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA).....	149.67	39.19
28 46 13 31-0225 EA G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC).....	144.24	39.19
28 46 13 31-0226 EA G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA).....	149.67	39.19
28 46 13 31-0227 EA G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC).....	144.24	39.19
28 46 13 31-0228 EA G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT).....	22.18	7.83
<b>28 46 13 31-0229 Hazardous Location Devices (28 46 13 31-0002)</b>		
<b>28 46 13 31-0230 Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location (28 46 13 31-0229)</b>		
28 46 13 31-0231 EA Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135).....	126.53	39.19
28 46 13 31-0232 EA Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194).....	126.53	39.19
28 46 13 31-0233 EA Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135).....	131.72	39.19
28 46 13 31-0234 EA Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194).....	131.72	39.19
28 46 13 31-0235 EA Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135).....	179.68	39.19
28 46 13 31-0236 EA Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194).....	179.68	39.19
28 46 13 31-0237 EA Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135).....	131.72	39.19
28 46 13 31-0238 EA Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194).....	131.72	39.19

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0239			<b>Hazardous Locations Fire Alarm Station</b> (28 46 13 31-0229)		
28 46 13 31-0240	EA		Hazardous Location Fire Alarm Station (EST3 XAL53) .....	1,210.82	65.32
28 46 13 31-0241	EA		Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPTD (EST3 MPSR1-D45WX-GE) .....	1,152.14	65.32
28 46 13 31-0242			<b>Hazardous Location Strobes</b> (28 46 13 31-0229)		
28 46 13 31-0243	EA		Explosion Proof Strobe (EST3 116DEXSTC-FJ) .....	1,810.20	39.19
28 46 13 31-0244	EA		Wall Bracket Mounting Elbow (EST3 116EX-B).....	336.80	13.07
28 46 13 31-0245	EA		Ceiling / Wall Mounting Module (EST3 116EX-C).....	440.88	15.68
28 46 13 31-0246	EA		Pendant Mounting Module (EST3 116EX-P) .....	322.76	15.68
28 46 13 31-0247			<b>Hazardous Location Bells</b> (28 46 13 31-0229)		
28 46 13 31-0248	EA		6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW) .....	1,304.29	39.19
28 46 13 31-0249	EA		8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW) .....	1,338.26	39.19
28 46 13 31-0250	EA		10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW) .....	1,350.50	39.19
28 46 13 31-0251			<b>Hazardous Location Horns</b> (28 46 13 31-0229)		
28 46 13 31-0252	EA		Hazardous Location Horns (EST3 888D-N5).....	1,275.01	39.19
28 46 13 31-0253	EA		Explosion Proof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW).....	1,039.92	39.19
28 46 13 31-0254			<b>Door Holders And Relays</b> (28 46 13 31-0002)		
28 46 13 31-0255			<b>Electromagnetic Door Holders</b> (28 46 13 31-0254)		
28 46 13 31-0256	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Single, Floor Mount (EST3 1501-AQN5) .....	222.16	39.19
28 46 13 31-0257	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Double, Floor Mount (EST3 1502-AQN5).....	290.35	39.19
28 46 13 31-0258	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount (EST3 1504-AQN5) .....	187.34	39.19
28 46 13 31-0259	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount, Short Catch Plate (EST3 1505-AQN5) .....	187.34	39.19
28 46 13 31-0260	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Surface, Wall Mount (EST3 1508-AQN5).....	190.49	39.19
28 46 13 31-0261	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Completely Flush, Wall Mount (EST3 1509-AQN5).....	193.49	39.19
28 46 13 31-0262			<b>Control Relays, Multi-Voltage</b> (28 46 13 31-0254)		
28 46 13 31-0263	EA		Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1).....	44.94	7.83
28 46 13 31-0264			<b>FireShield Plus</b> (28 46 13 31-0002)		
28 46 13 31-0265			<b>3 Zone System</b> (28 46 13 31-0264)		
28 46 13 31-0266	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R) .....	1,184.04	313.53
28 46 13 31-0267	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD) .....	1,732.69	418.03
28 46 13 31-0268	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G) .....	1,184.04	313.53
28 46 13 31-0269	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD) .....	1,732.69	418.03
28 46 13 31-0270	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	84.88	13.07
28 46 13 31-0271	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R) .....	84.88	13.07
28 46 13 31-0272			<b>5 Zone System</b> (28 46 13 31-0264)		
28 46 13 31-0273	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R) .....	1,279.14	313.53
28 46 13 31-0274	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD) .....	1,822.35	418.03
28 46 13 31-0275	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G) .....	1,279.14	313.53
28 46 13 31-0276	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD) .....	1,822.35	418.03
28 46 13 31-0277	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	84.88	13.07
28 46 13 31-0278	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R) .....	84.88	13.07
28 46 13 31-0279			<b>10 Zone System</b> (28 46 13 31-0264)		
28 46 13 31-0280	EA		Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R) .....	1,854.96	418.03
28 46 13 31-0281	EA		Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD) .....	2,403.59	522.55
28 46 13 31-0282	EA		Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G) .....	1,814.20	418.03





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0283 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD).....	2,403.59	522.55
28 46 13 31-0284 EA Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G) .....	99.60	13.07
28 46 13 31-0285 EA NAC Power Expansion Transformer, 120 Volt AC, Increases 10 Zone FACP NAC (EST3 F-XTR120) .....	181.62	26.13
<b>28 46 13 31-0286 FireShield Plus Off Premise Communication Options</b> <small>(28 46 13 31-0264)</small>		
28 46 13 31-0287 EA F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT).....	405.46	26.13
<b>28 46 13 31-0288 FireShield Plus Remote LED Annunciators</b> <small>(28 46 13 31-0264)</small>		
28 46 13 31-0289 EA Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI) .....	166.54	39.19
28 46 13 31-0290 EA Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A) .....	166.54	39.19
28 46 13 31-0291 EA Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA) .....	173.48	39.19
28 46 13 31-0292 EA Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2) .....	33.35	7.83
28 46 13 31-0293 EA Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3) .....	42.22	7.83
28 46 13 31-0294 EA Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4) .....	63.52	7.83
<b>28 46 13 31-0295 FireShield Plus Remote 10 Zone LED Annunciators</b> <small>(28 46 13 31-0264)</small>		
28 46 13 31-0296 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10).....	540.27	39.19
28 46 13 31-0297 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C).....	594.61	39.19
28 46 13 31-0298 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1).....	188.10	26.13
<b>28 46 13 31-0299 FireShield Plus Remote Relays And Interfaces</b> <small>(28 46 13 31-0264)</small>		
28 46 13 31-0300 EA Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24).....	199.19	26.13
28 46 13 31-0301 EA 11" Snap Track Holds 2-4 RRRMs, Used To Mount FSRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11).....	81.41	15.68
28 46 13 31-0302 EA Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM).....	321.23	26.13
<b>28 46 13 31-0303 FireShield Plus Accessories</b> <small>(28 46 13 31-0264)</small>		
28 46 13 31-0304 EA Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1).....	18.22	
28 46 13 31-0305 EA 4.7k UL End Of Line Resistor With FireShield Panels (EST3 EOL47PK7).....	10.78	
<b>28 46 13 31-0306 iO Series Fire Control Panels</b> <small>(28 46 13 31-0002)</small>		
<b>28 46 13 31-0307 Intelligent Analog Control Panels</b> <small>(28 46 13 31-0306)</small>		
28 46 13 31-0308 EA FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G).....	3,524.76	522.55
28 46 13 31-0309 EA FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD) .....	3,788.30	522.55
28 46 13 31-0310 EA FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, English (EST3 iO64G) .....	2,813.29	418.03
28 46 13 31-0311 EA FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD) .....	2,935.55	418.03
<b>28 46 13 31-0312 Option Modules And Accessories For iO Series</b> <small>(28 46 13 31-0306)</small>		
28 46 13 31-0313 EA 16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1).....	350.08	39.19
28 46 13 31-0314 EA 16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2).....	214.23	39.19
28 46 13 31-0315 EA Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232) .....	214.23	39.19
28 46 13 31-0316 EA Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA) .....	188.10	26.13
28 46 13 31-0317 EA Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT).....	395.02	20.90
28 46 13 31-0318 EA Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH).....	721.06	20.90
28 46 13 31-0319 EA Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1) .....	83.19	13.07
28 46 13 31-0320 EA Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2) .....	96.77	13.07
28 46 13 31-0321 EA Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250).....	1,327.16	52.25
<b>28 46 13 31-0322 Remote Annunciators For iO Series</b> <small>(28 46 13 31-0306)</small>		
28 46 13 31-0323 EA Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD).....	723.66	39.19
28 46 13 31-0324 EA Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C).....	757.63	39.19

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0325			<b>Remote Annunciator Accessories</b> (28 46 13 31-0306)		
28 46 13 31-0326	EA		24 Expander Cable Assembly, With Cable And Hardware (EST3 730073) .....	80.47	13.07
28 46 13 31-0327	EA		12 Expander Cable (Cable Only) (EST3 7120313-01) .....	53.30	13.07
28 46 13 31-0328	EA		24 Expander Cable (Cable Only) (EST3 7120313-02) .....	73.67	13.07
28 46 13 31-0329	EA		Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1) .....	214.23	39.19
28 46 13 31-0330	EA		Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2) .....	248.18	39.19
28 46 13 31-0331	EA		Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3) .....	282.16	39.19
28 46 13 31-0332	EA		Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC) .....	53.30	13.07
28 46 13 31-0333	EA		Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC) .....	53.30	13.07
28 46 13 31-0334	EA		Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY) .....	112.66	13.07
28 46 13 31-0335			<b>System Accessories</b> (28 46 13 31-0306)		
28 46 13 31-0336	EA		Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt DC, 24 Ampere Batteries (EST3 BC-1) .....	398.21	52.25
28 46 13 31-0337	EA		Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A) .....	1,763.12	418.03
28 46 13 31-0338			<b>Conventional Initiating Devices</b> (28 46 13 31-0002)		
28 46 13 31-0339			<b>Detectors, Heat, Double Pole</b> (28 46 13 31-0338)		
			Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0340	EA		Heat Detector, 135 Degree F Fixed Temperature (CF135-2) .....	151.59	39.19
28 46 13 31-0341	EA		Heat Detector, 200 Degree F Fixed Temperature (CF200-2) .....	151.59	39.19
28 46 13 31-0342	EA		Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2) .....	151.59	39.19
28 46 13 31-0343	EA		Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2) .....	151.59	39.19
28 46 13 31-0344			<b>Detectors, Rate Compensation Heat, Accessories</b> (28 46 13 31-0338)		
28 46 13 31-0345	EA		Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P) .....	89.10	39.19
28 46 13 31-0346	EA		Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11) .....	263.89	20.90
28 46 13 31-0347	EA		4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27) .....	78.72	26.13
28 46 13 31-0348			<b>Detectors, Heat, Fire-Lite</b> (28 46 13 31-0338)		
			Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0349	EA		Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135) .....	141.13	39.19
28 46 13 31-0350	EA		Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194) .....	141.13	39.19
28 46 13 31-0351			<b>Audio Notification Systems (Standalone Voice Evacuation)</b> (28 46 13 31-0002)		
28 46 13 31-0352			<b>Audio Notification Panels</b> (28 46 13 31-0351)		
28 46 13 31-0353	EA		Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG) .....	5,079.83	522.55
28 46 13 31-0354	EA		Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR) .....	5,079.83	522.55
28 46 13 31-0355	EA		Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG) .....	3,762.09	522.55
28 46 13 31-0356	EA		Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR) .....	3,762.09	522.55
28 46 13 31-0357	EA		Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG) .....	4,414.17	522.55
28 46 13 31-0358	EA		Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR) .....	4,414.17	522.55
28 46 13 31-0359			<b>Audio Notification Expander Panels</b> (28 46 13 31-0351)		
28 46 13 31-0360	EA		Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG) .....	3,870.77	522.55
28 46 13 31-0361	EA		Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR) .....	3,870.77	522.55
28 46 13 31-0362	EA		Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG) .....	2,593.78	522.55
28 46 13 31-0363	EA		Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR) .....	2,593.78	522.55
28 46 13 31-0364	EA		Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG) .....	3,340.95	522.55
28 46 13 31-0365	EA		Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR) .....	3,340.95	522.55
28 46 13 31-0366			<b>Audio Notification Output Accessories</b> (28 46 13 31-0351)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0367 EA Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B) .....	148.39	13.07
28 46 13 31-0368 EA Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A) .....	663.57	26.13
28 46 13 31-0369 EA Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B) .....	663.57	26.13
28 46 13 31-0370 EA Class A Converter (GE ANSZSC4A) .....	473.39	26.13
<b>28 46 13 31-0371 Audio Notification Remote Microphone</b> <small>(28 46 13 31-0351)</small>		
28 46 13 31-0372 EA Microphone (GE ANSMIKE) .....	174.51	26.13
28 46 13 31-0373 EA Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG).....	731.50	26.13
28 46 13 31-0374 EA Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR).....	731.50	26.13
28 46 13 31-0375 EA Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP).....	161.98	13.07
28 46 13 31-0376 EA Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR) .....	87.25	13.07
<b>28 46 13 31-0377 Audio Notification Accessories</b> <small>(28 46 13 31-0351)</small>		
28 46 13 31-0378 EA Audio Matching - Line Input/Output Card (GE ANSAUX) .....	296.78	26.13
28 46 13 31-0379 EA Class B Backup Amplifier Switching Module (GE ANSBKUP).....	296.78	26.13
28 46 13 31-0380 EA Class A Backup Amplifier Switching Module (GE ANSBKUPA).....	296.78	26.13
28 46 13 31-0381 EA Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRSI8) .....	663.57	26.13
<b>28 46 13 31-0382 Audio Notification Modules, Without Cabinet And Transformer</b> <small>(28 46 13 31-0351)</small>		
28 46 13 31-0383 EA 100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A) .....	2,427.55	52.25
Note: Excludes cabinet.		
28 46 13 31-0384 EA 100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM).....	2,549.81	52.25
Note: Excludes cabinet.		
28 46 13 31-0385 EA 100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD) .....	3,527.93	52.25
Note: Excludes cabinet.		
28 46 13 31-0386 EA 25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A).....	1,327.16	52.25
Note: Excludes cabinet.		
28 46 13 31-0387 EA 25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM) .....	1,327.16	52.25
Note: Excludes cabinet.		
28 46 13 31-0388 EA 25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD).....	2,427.55	52.25
28 46 13 31-0389 EA 50W Expander Module (No Microphone Or DMR) (GE ANS50A) .....	1,938.49	52.25
Note: Excludes cabinet.		
28 46 13 31-0390 EA 50W Expander Module With Microphone (No DMR) (GE ANS50AM) .....	2,060.75	52.25
Note: Excludes cabinet.		
28 46 13 31-0391 EA 50W Audio Notification Module With DMR And Microphone (GE ANS50AMD).....	3,038.87	52.25
Note: Excludes cabinet.		
28 46 13 31-0392 EA Power Transformer, Open Frame, 28 Volt AC At 180 VA (EVAX 50/100) (GE ANST28180) .....	148.39	13.07
28 46 13 31-0393 EA Power Transformer, Open Frame, 28 Volt AC At 100 VA (EVAX 25) (GE ANST2885) .....	109.05	13.07
<b>28 46 13 31-0394 Simplex Fire Alarm</b> <small>(28 46 13 31)</small>		
<b>28 46 13 31-0395 4100 Fire Alarm Control Panel</b> <small>(28 46 13 31-0394)</small>		
28 46 13 31-0396 EA 4100U Master Controller Assembly With LCD And Operator Interface, 9 Amperes System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACs, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111) .....	6,204.76	521.56
28 46 13 31-0397 EA 4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amperes System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt AC Input (Simplex 4100-9141) .....	6,794.74	521.56
28 46 13 31-0398 EA 4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142) .....	9,884.73	521.56
28 46 13 31-0399 EA Up To 127 Points, IDNet Module, (Simplex 4100-3104) .....	3,886.28	521.56
Note: Add-on module.		
28 46 13 31-0400 EA Up To 64 Points, IDNet Module, (Simplex 4100-3105) .....	2,986.54	521.56
Note: Add-on module.		
28 46 13 31-0401 EA Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101) .....	2,026.46	130.38
Note: Add-on module.		
28 46 13 31-0402 EA Alarm Relay, 3 Form C Relays, 2 Amperes At 32 Volt DC, For SPS Or RPS (Simplex 4100-6033).....	424.19	26.08
Note: Add-on module.		
28 46 13 31-0403 EA Dual Port RS-232 Interface Card (Simplex 4100-6038).....	1,229.28	26.08
Note: Add-on module.		
<b>28 46 13 31-0404 4100U Backbox</b> <small>(28 46 13 31-0394)</small>		
28 46 13 31-0405 EA 2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425).....	2,117.61	104.31
Note: 24" x 40" beige backbox.		
28 46 13 31-0406 EA 3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443).....	2,992.95	104.31
Note: 24" x 56" beige backbox.		

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
28 46 13 31-0407		<b>DACT (Digital Alarm Communicator Transmitter)</b> (28 46 13 31-0394)			
28 46 13 31-0408	EA	6 Zone Fire Control Communicator (Silent Knight SK-5104) .....	1,160.67		52.15
28 46 13 31-0409		<b>4010 Fire Alarm Control Panel</b> (28 46 13 31-0394)			
28 46 13 31-0410	EA	120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101) .....	5,843.08		521.56
28 46 13 31-0411	EA	240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201) .....	5,663.85		521.56
28 46 13 31-0412	EA	Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806) .....	215.07		26.08
28 46 13 31-0413	EA	Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811) .....	956.14		26.08
28 46 13 31-0414	EA	Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812) .....	1,317.10		26.08
28 46 13 31-0415	EA	120 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9813) .....	673.45		26.08
28 46 13 31-0416	EA	240 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9823) .....	729.33		26.08
28 46 13 31-0417	EA	Battery Meter Module Expansion Module (Simplex 4010-9820) .....	269.36		26.08
28 46 13 31-0418		<b>Printer</b> (28 46 13 31-0394)			
28 46 13 31-0419	EA	24 Pin Dot Matrix Printer (Simplex 4190-9013) .....	2,125.28		26.08
28 46 13 31-0420		<b>NAC Panel / Power Booster</b> (28 46 13 31-0394)			
28 46 13 31-0421	EA	120 Volt AC, IDNet NAC Extender With 4, Class B (Style Y) NACs And 8 Amperes Power Supply (Simplex 4009-9201) .....	1,344.80		130.38
		Note: Power supply for horns and strobes.			
28 46 13 31-0422		<b>Battery</b> (28 46 13 31-0394)			
28 46 13 31-0423	EA	50 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9296) .....	855.39		26.08
		Note: Two required for 24 volt DC.			
28 46 13 31-0424	EA	33 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9276) .....	565.93		26.08
		Note: Two required for 24 volt DC.			
28 46 13 31-0425	EA	6.2 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9272) .....	199.30		26.08
		Note: Two required for 24 volt DC.			
28 46 13 31-0426		<b>Interface Modules</b> (28 46 13 31-0394)			
28 46 13 31-0427	EA	Supervised Individual Addressable Modules (Simplex 4090-9001) .....	159.52		26.08
		Note: Monitor modules for waterflow / tamper, etc.			
28 46 13 31-0428	EA	Relay Individual Addressable Modules (Simplex 4090-9002) .....	338.19		26.08
		Note: Control modules for gas shutdown, door holders, etc.			
28 46 13 31-0429	EA	Relay SPDT With LED MR-801/T (Simplex 2088-9032) .....	75.34		26.08
		Note: Interface relay for 120VAC			
28 46 13 31-0430	EA	SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815) .....	161.49		26.08
28 46 13 31-0431	EA	Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817) .....	71.47		13.04
28 46 13 31-0432	EA	Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818) .....	67.69		13.04
28 46 13 31-0433		<b>Pull Stations</b> (28 46 13 31-0394)			
28 46 13 31-0434	EA	Addressable Single Action Manual Pull Station (Simplex 4099-9001) .....	197.84		26.08
28 46 13 31-0435	EA	N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101) .....	139.17		26.08
28 46 13 31-0436	EA	N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102) .....	150.51		26.08
28 46 13 31-0437	EA	Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103) .....	134.06		26.08
28 46 13 31-0438	EA	N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104) .....	158.08		26.08
28 46 13 31-0439	EA	N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105) .....	244.41		26.08
28 46 13 31-0440	EA	Single Action, Pre-Signal, N.O. Contacts, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107) .....	203.47		26.08
28 46 13 31-0441	EA	Break-Glass, Pre-Signal, N.O. Contacts, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108) .....	241.30		26.08
28 46 13 31-0442	EA	Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754) .....	107.64		26.08
28 46 13 31-0443	EA	Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755) .....	114.56		26.08
28 46 13 31-0444	EA	Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756) .....	136.86		26.08
28 46 13 31-0445	EA	N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758) .....	217.89		26.08
28 46 13 31-0446	EA	Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759) .....	383.62		26.08
28 46 13 31-0447	EA	Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762) .....	120.25		26.08
28 46 13 31-0448	EA	Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178) .....	75.27		13.04
28 46 13 31-0449		<b>Weatherproof Pull Stations</b> (28 46 13 31-0394)			
28 46 13 31-0450	EA	Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138) .....	191.24		31.29
28 46 13 31-0451	EA	Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211) .....	125.53		13.04
28 46 13 31-0452		<b>Heat / Smoke Sensor</b> (28 46 13 31-0394)			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0453 EA 32 To 122 Degree F Heat Sensor (Simplex 4098-9733).....	189.67	39.12
28 46 13 31-0454 EA Photoelectric Smoke Sensor (Simplex 4098-9714).....	282.54	39.12
28 46 13 31-0455 EA Sensor Base With Relay Driver (Simplex 4098-9791).....	572.68	13.04
28 46 13 31-0456 EA Standard Sensor Base (Simplex 4098-9792).....	288.79	13.04
28 46 13 31-0457 EA Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737)..... Note: Relay for 4098-9791	160.21	26.08
<b>28 46 13 31-0458 Explosion Proof Heat Detector</b> <small>(28 46 13 31-0394)</small>		
28 46 13 31-0459 EA 135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488).....	201.55	39.12
28 46 13 31-0460 EA Explosion Proof Backbox (Killark JLX-21).....	135.81	13.04
28 46 13 31-0461 EA Explosion Proof Backbox Plugs (Killark CUP-2).....	11.91	2.61
<b>28 46 13 31-0462 Weatherproof Heat Detector</b> <small>(28 46 13 31-0394)</small>		
28 46 13 31-0463 EA 194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490).....	141.88	39.12
<b>28 46 13 31-0464 200 Degree F Heat Detector</b> <small>(28 46 13 31-0394)</small>		
28 46 13 31-0465 EA 194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604)..... Note: Used in kiln rooms and kitchens.	115.21	39.12
<b>28 46 13 31-0466 Duct Smoke Sensor</b> <small>(28 46 13 31-0394)</small>		
28 46 13 31-0467 EA Duct Sensor Housing (Simplex 4098-9755).....	459.46	20.86
28 46 13 31-0468 EA Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756)..... Note: Relay output for AHU shutdown.	613.09	46.94
28 46 13 31-0469 EA 46" To 71" Duct Sampling Tube (Simplex 2098-9798)..... Note: 25", 49", 73" or 97" sampling tube length.	65.54	13.04
28 46 13 31-0470 EA Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806).....	153.14	39.12
<b>28 46 13 31-0471 Interior Horn</b> <small>(28 46 13 31-0394)</small>		
28 46 13 31-0472 EA Red With White FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850).....	140.72	39.12
28 46 13 31-0473 EA White With Red FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853).....	140.72	39.12
<b>28 46 13 31-0474 Interior Horn Strobe</b> <small>(28 46 13 31-0394)</small>		
28 46 13 31-0475 EA 75Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9426).....	199.74	39.12
28 46 13 31-0476 EA 110Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9427).....	199.74	39.12
28 46 13 31-0477 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127).....	186.27	39.12
28 46 13 31-0478 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128).....	186.27	39.12
28 46 13 31-0479 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129).....	186.27	39.12
28 46 13 31-0480 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130).....	186.27	39.12
28 46 13 31-0481 EA Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131).....	190.79	39.12
28 46 13 31-0482 EA Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132).....	190.79	39.12
28 46 13 31-0483 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139).....	198.72	39.12
28 46 13 31-0484 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140).....	195.06	39.12
28 46 13 31-0485 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141).....	198.72	39.12
28 46 13 31-0486 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142).....	195.06	39.12
28 46 13 31-0487 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227).....	186.27	39.12
28 46 13 31-0488 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228).....	186.27	39.12
28 46 13 31-0489 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229).....	186.27	39.12
28 46 13 31-0490 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230).....	186.27	39.12
<b>28 46 13 31-0491 Interior Strobe</b> <small>(28 46 13 31-0394)</small>		
28 46 13 31-0492 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101).....	157.67	39.12
28 46 13 31-0493 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102).....	157.67	39.12
28 46 13 31-0494 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103).....	157.61	39.12
28 46 13 31-0495 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104).....	157.67	39.12
28 46 13 31-0496 EA Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105).....	174.78	39.12

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
28 46 13 31-0497	EA	Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106) .....	174.78	39.12
28 46 13 31-0498	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109) .....	175.87	39.12
28 46 13 31-0499	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110) .....	178.85	39.12
28 46 13 31-0500	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111) .....	178.85	39.12
28 46 13 31-0501	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112) .....	178.85	39.12
28 46 13 31-0502	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201) .....	157.67	39.12
28 46 13 31-0503	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202) .....	157.67	39.12
28 46 13 31-0504	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203) .....	157.67	39.12
28 46 13 31-0505	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204) .....	157.67	39.12
<b>28 46 13 31-0506</b>		<b>Interior Speakers</b> (28 46 13 31-0394)		
28 46 13 31-0507	EA	Red With White FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716) .....	126.24	39.12
28 46 13 31-0508	EA	White With Red FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717) .....	126.24	39.12
28 46 13 31-0509	EA	Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721) .....	126.24	39.12
<b>28 46 13 31-0510</b>		<b>Interior Speaker Strobe</b> (28 46 13 31-0394)		
28 46 13 31-0511	EA	Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151) .....	213.06	39.12
28 46 13 31-0512	EA	White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153) .....	213.06	39.12
<b>28 46 13 31-0513</b>		<b>Surge Suppressors</b> (28 46 13 31-0394)		
28 46 13 31-0514	EA	Overvoltage Suppressor (Simplex 2081-9044) .....	143.01	7.82
28 46 13 31-0515	EA	Isolated Loop Circuit Protector (Simplex 2081-9028) .....	90.60	7.82
28 46 13 31-0516	EA	120 Volt AC, 20 Amperes, Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A) .....	309.09	7.82
28 46 13 31-0517	EA	24 Volt AC, Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B) .....	104.10	7.82
28 46 13 31-0518	EA	Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB) .....	156.50	13.04
28 46 13 31-0519	EA	120 Volt AC, 22,500 Amperes, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW) .....	106.78	7.82
28 46 13 31-0520	EA	<105 Volt AC, 9,000 Amperes, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP) .....	79.77	7.82
<b>28 46 13 31-0521</b>		<b>Boxes And Adapters</b> (28 46 13 31-0394)		
28 46 13 31-0522	EA	Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921) .....	67.69	13.04
28 46 13 31-0523	EA	Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925) .....	63.91	13.04
28 46 13 31-0524	EA	Red, Surface Mount Adapter Skirt (Simplex 4905-9937) .....	56.49	13.04
28 46 13 31-0525	EA	White, Surface Mount Adapter Skirt (Simplex 4905-9940) .....	45.97	13.04
<b>28 46 13 31-0526</b>		<b>Accessories</b> (28 46 13 31-0394)		
28 46 13 31-0527	EA	End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008) .....	30.48	13.04
<b>28 46 13 31-0528</b>		<b>Siemens Fire Alarm</b> (28 46 13 31)		
<b>28 46 13 31-0529</b>		<b>Conventional Control Panels</b> (28 46 13 31-0528)		
<b>28 46 13 31-0530</b>		<b>SXL Batteries And Power Supplies</b> (28 46 13 31-0529)		
28 46 13 31-0531	EA	6 Amperes Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3) .....	1,212.85	52.15
28 46 13 31-0532	EA	Main Board Only For PAD-3 (Siemens PAD-3-MB) .....	973.75	52.15
<b>28 46 13 31-0533</b>		<b>Digital Fire Communicators</b> (28 46 13 31-0529)		
28 46 13 31-0534	EA	Four Channel Digital Slave Fire Communicator (Siemens 5129) .....	942.23	52.15
<b>28 46 13 31-0535</b>		<b>Addressable Control Panels</b> (28 46 13 31-0528)		
<b>28 46 13 31-0536</b>		<b>Fireseeker Equipment</b> (28 46 13 31-0535)		
<b>28 46 13 31-0537</b>		<b>FS-250 System Panels</b> (28 46 13 31-0536)		
28 46 13 31-0538	EA	FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT) .....	2,799.38	521.56
		Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.		
28 46 13 31-0539	EA	FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT) .....	3,529.71	521.56
		Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0540 EA FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT).....	2,073.44	417.24
Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 13 31-0541 EA Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON).....	2,803.73	521.56
<b>28 46 13 31-0542 FS-250 Optional Modules</b> <small>(28 46 13 31-0536)</small>		
28 46 13 31-0543 EA Main Board Module (Siemens FS-MB2).....	1,221.54	52.15
28 46 13 31-0544 EA Display Board Module (Siemens FS-DB2).....	956.37	26.08
28 46 13 31-0545 EA Device Loop Card (Siemens FS-DLC).....	782.48	26.08
28 46 13 31-0546 EA Releasing Module (Siemens FS-REL).....	343.41	26.08
28 46 13 31-0547 EA Remote LCD Annunciator (Siemens FS-RD2).....	777.05	26.08
28 46 13 31-0548 EA Relay Processor Card (Siemens FS-RU2).....	673.80	26.08
28 46 13 31-0549 EA Relay Expander Board (Siemens FS-RE8).....	573.81	26.08
28 46 13 31-0550 EA Serial Annunciator Processor Card (Siemens FS-SAU2).....	777.05	26.08
28 46 13 31-0551 EA 16 Output Annunciator Extender (Siemens FS-SAE16).....	604.24	26.08
28 46 13 31-0552 EA Digital Alarm Communication Transmitter (Siemens FS-DACT).....	548.82	26.08
28 46 13 31-0553 EA Municipal Tie Module (Siemens FS-MT).....	465.13	26.08
28 46 13 31-0554 EA Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2).....	416.22	
28 46 13 31-0555 EA Programming Cable Kit (Siemens CBL-UD).....	109.76	13.04
28 46 13 31-0556 EA Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE).....	196.69	26.08
28 46 13 31-0557 EA Releasing Power Transformer (Siemens FS-RPT-A).....	199.95	26.08
28 46 13 31-0558 EA Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB).....	228.66	20.86
28 46 13 31-0559 EA Cabinet Trim Kit (Siemens RD-CAB-TK).....	378.20	13.04
<b>28 46 13 31-0560 Firefinder Systems</b> <small>(28 46 13 31-0535)</small>		
<b>28 46 13 31-0561 XLS Basic Fire System Packages Without Backbox</b> <small>(28 46 13 31-0560)</small>		
28 46 13 31-0562 EA 500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP).....	10,077.46	521.56
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 13 31-0563 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP).....	8,836.33	521.56
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 13 31-0564 EA 250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP).....	8,836.33	521.56
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 13 31-0565 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD).....	15,005.01	521.56
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.		
28 46 13 31-0566 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD).....	15,520.15	521.56
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.		
28 46 13 31-0567 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP).....	8,711.35	521.56
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 13 31-0568 EA 250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP).....	8,711.35	521.56
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 13 31-0569 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP).....	10,163.32	521.56
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
<b>28 46 13 31-0570 Firefinder - XLS Basic System Equipment</b> <small>(28 46 13 31-0560)</small>		
28 46 13 31-0571 EA Person Machine Interface With Central Processor (Siemens PMI).....	4,665.41	521.56
Note: Includes inner door.		
28 46 13 31-0572 EA Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC).....	7,872.56	521.56
Note: Includes inner door.		
28 46 13 31-0573 EA Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT).....	4,665.41	521.56
Note: Includes inner door.		
28 46 13 31-0574 EA Two Slot Card Cage (Siemens CC-2).....	591.20	26.08
28 46 13 31-0575 EA Five Slot Card Cage (Siemens CC-5).....	1,005.27	26.08
28 46 13 31-0576 EA Four Circuit Zone Indicating Card (Siemens ZIC-4A).....	1,439.99	26.08
28 46 13 31-0577 EA Eight Circuit Zone Indicating Card (Siemens ZIC-8B).....	1,504.11	26.08
28 46 13 31-0578 EA Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C).....	469.48	26.08
28 46 13 31-0579 EA Device Loop Card (Siemens DLC).....	1,708.43	26.08
Note: Interfaces with up to 252 detectors and devices.		

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0580	EA		Controllable Relay Card (Siemens CRC-6).....963.98 Note: Provides six programmable relays.	963.98	26.08
28 46 13 31-0581	EA		12 Amperes Power Supply Charger Module (Siemens PSC-12).....3,674.45	3,674.45	26.08
28 46 13 31-0582	EA		Person Machine Interface With Central Processor And GPML-UK Software Upgrade Kit (Siemens GPML) .....6,115.21 Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.	6,115.21	521.56
28 46 13 31-0583	EA		Network Interface Card (Siemens NIC-C).....1,129.17 Note: Provides HNET Or XNET communication between enclosures.	1,129.17	26.08
28 46 13 31-0584	EA		12 Amperes Power Supply Extender (Siemens PSX-12).....3,054.98 Note: Extends PSC-12 with an additional 24 volt DC.	3,054.98	26.08
28 46 13 31-0585	EA		Power Termination Board (Siemens PTB) .....508.61 Note: Used with systems requiring more than one PSX-12.	508.61	26.08
28 46 13 31-0586	EA		Conventional Detector Card (Siemens CDC-4) .....1,087.87	1,087.87	26.08
28 46 13 31-0587	EA		Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS).....2,138.81	2,138.81	26.08
28 46 13 31-0588	EA		Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS) .....7,711.92	7,711.92	26.08
<b>28 46 13 31-0589</b>			<b>Remote Lobby Enclosure (28 46 13 31-0560)</b>		
28 46 13 31-0590	EA		14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2).....1,389.98 Note: Flush mounted. Includes clear lens plate on cover.	1,389.98	104.31
28 46 13 31-0591	EA		24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4) .....1,802.97 Note: Flush mounted. Includes clear lens plate on cover.	1,802.97	104.31
28 46 13 31-0592	EA		Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP).....218.43 Note: Required to mount up to four SIM-16 or OCM-16 modules.	218.43	26.08
28 46 13 31-0593	EA		Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP).....239.08 Note: Required to mount up to eight SIM-16 or OCM-16 modules.	239.08	26.08
<b>28 46 13 31-0594</b>			<b>Battery Enclosures (28 46 13 31-0560)</b>		
28 46 13 31-0595	EA		Enclosure For 100 Ampere Hours Batteries (Siemens CAB-BATT).....850.93	850.93	104.31
<b>28 46 13 31-0596</b>			<b>Graphic Annunciator Output Drivers And Inputs (28 46 13 31-0560)</b>		
28 46 13 31-0597	EA		Output Control Module (Siemens OCM-16) .....694.45	694.45	26.08
28 46 13 31-0598	EA		Supervised Input Module (Siemens SIM-16) .....694.45	694.45	26.08
<b>28 46 13 31-0599</b>			<b>Remote LCD Displays (28 46 13 31-0560)</b>		
28 46 13 31-0600	EA		Remote LED/LCD System Status Display (Siemens SSD).....1,605.16 Note: No control or menu capability.	1,605.16	78.23
28 46 13 31-0601	EA		Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C) .....1,812.74	1,812.74	78.23
<b>28 46 13 31-0602</b>			<b>Voice Equipment (28 46 13 31-0560)</b>		
28 46 13 31-0603	EA		40 Watts Zone Amplifier Card (Siemens ZAC-40) .....1,608.45	1,608.45	26.08
28 46 13 31-0604	EA		180 Watts Zone Amplifier Module (Siemens ZAM-180).....3,572.30	3,572.30	26.08
28 46 13 31-0605	EA		Live Voice Module (Siemens LVM) .....1,500.85 Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.	1,500.85	26.08
<b>28 46 13 31-0606</b>			<b>MXL Series Equipment (28 46 13 31-0535)</b>		
<b>28 46 13 31-0607</b>			<b>MXL Optional Equipment (28 46 13 31-0606)</b>		
28 46 13 31-0608	EA		Two Circuit Analog Loop Driver (Siemens ALD-2I).....1,725.82	1,725.82	52.15
28 46 13 31-0609	EA		CXL/MXL Interface Module (Siemens CMI-300) .....4,486.29	4,486.29	26.08
28 46 13 31-0610	EA		Four Relay Programmable Relay Module (Siemens CRM-4) .....765.09	765.09	26.08
28 46 13 31-0611	EA		Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4).....924.85	924.85	26.08
28 46 13 31-0612	EA		Remote Conventional Zone Module (Siemens CZM-1B6) .....344.50	344.50	26.08
28 46 13 31-0613	EA		Short Circuit Line Isolator Module (Siemens Model LIM-1) .....210.82	210.82	26.08
28 46 13 31-0614	EA		Four Circuit Conventional Zone Module (Siemens CZM-4) .....899.85	899.85	26.08
28 46 13 31-0615	EA		12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD) .....317.33	317.33	39.12
28 46 13 31-0616	EA		Lexan Window For RCC (Siemens GENBOX-WD).....216.70	216.70	20.86
28 46 13 31-0617	EA		Input Driver Module (Siemens MID-16).....587.94	587.94	26.08
28 46 13 31-0618	EA		Programmable Output Driver Module (Siemens MOD-16).....587.94	587.94	26.08
28 46 13 31-0619	EA		MXL Output/Input Module (Siemens MOI-7).....944.41	944.41	26.08
28 46 13 31-0620	EA		Two Slot Network Option Module Card Cage (Siemens MOM-2).....499.91	499.91	26.08
28 46 13 31-0621	EA		Four Slot Network Option Module Card Cage (Siemens MOM-4) .....790.09	790.09	26.08
28 46 13 31-0622	EA		12 Amperes, 220 Volt AC, Power Supply For MXL (Siemens MPS-12/220).....1,939.90	1,939.90	78.23
28 46 13 31-0623	EA		12 Amperes, 240 Volt AC, Power Supply For MXL (Siemens MPS-12/240).....1,939.90	1,939.90	78.23
28 46 13 31-0624	EA		Network Interface Module (Siemens NIM-1W).....1,411.74	1,411.74	26.08
28 46 13 31-0625	EA		U.L. Listed Parallel Printer (Siemens PAL-1) .....3,686.39	3,686.39	104.31
28 46 13 31-0626	EA		Peripheral Interface Module, Model PIM-1 (Siemens 500-691324) .....409.71	409.71	26.08
28 46 13 31-0627	EA		Surface Mounted Remote Command Center (Siemens RCC-1).....3,939.43	3,939.43	521.56
28 46 13 31-0628	EA		Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL) .....487.95	487.95	52.15
28 46 13 31-0629	EA		Flush Mounted Remote Command Center (Siemens RCC-1F) .....3,939.43	3,939.43	521.56
28 46 13 31-0630	EA		Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL).....500.99	500.99	52.15
28 46 13 31-0631	EA		Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2).....2,999.35	2,999.35	521.56
28 46 13 31-0632	EA		MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3).....4,552.39	4,552.39	521.56
28 46 13 31-0633	EA		RCC-2/RSE-1 Trim Ring (Siemens RCF-1) .....74.99	74.99	13.04
28 46 13 31-0634	EA		Remote Diagnostics Module For MXL (Siemens RDM-MXL) .....5,755.67	5,755.67	52.15





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0635 EA Remote Diagnostics Module For PC (Siemens RDM-PC) .....	12,273.21	52.15
28 46 13 31-0636 EA Releasing End Of Line Module (Siemens REL-EOL).....	170.61	26.08
28 46 13 31-0637 EA 36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC) .....	3,665.75	52.15
28 46 13 31-0638 EA 36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL).....	3,499.47	52.15
28 46 13 31-0639 EA 8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1) .....	1,839.92	104.31
<b>28 46 13 31-0640 Complete MXL And MXLV System Packages Without Enclosure (28 46 13 31-0606)</b>		
28 46 13 31-0641 EA MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-21 And One PIM-1 (Siemens MXL-SS-EP) .....	13,223.75	521.56
Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-21 is a two circuit analog loop driver. PIM-1 is a peripheral interface module.		
28 46 13 31-0642 EA MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP).....	17,297.07	521.56
Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.		
28 46 13 31-0643 EA MXLV Demonstration Panel (Siemens MXLV DEMO).....	36,320.42	521.56
<b>28 46 13 31-0644 MXL Basic System (28 46 13 31-0606)</b>		
28 46 13 31-0645 EA MXL/MXLV Main Control Board (Siemens MMB-3) .....	8,098.40	521.56
28 46 13 31-0646 EA MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL) .....	10,531.74	521.56
Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.		
28 46 13 31-0647 EA MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2) .....	3,089.75	52.15
28 46 13 31-0648 EA MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5) .....	3,874.42	52.15
28 46 13 31-0649 EA 6 Amperes Power Supply For MXL (Siemens MPS-6) .....	1,330.20	78.23
28 46 13 31-0650 EA 220/240 Volt AC Adapter Cable (Siemens CIA-12) .....	96.72	13.04
<b>28 46 13 31-0651 MXL/MXLV System Expansion Accessories (28 46 13 31-0606)</b>		
28 46 13 31-0652 EA MXL Remote Power Supply Module (Siemens PSR-1) .....	1,637.77	78.23
28 46 13 31-0653 EA Style 4 Communication Module (Siemens NET-4).....	333.63	26.08
28 46 13 31-0654 EA Style 7 Communication Module (Siemens NET-7).....	612.94	26.08
28 46 13 31-0655 EA MXL/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6) .....	365.15	26.08
<b>28 46 13 31-0656 Peripheral Devices (28 46 13 31-0535)</b>		
<b>28 46 13 31-0657 Thermal Detectors (28 46 13 31-0656)</b>		
28 46 13 31-0658 EA Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R).....	131.48	39.12
28 46 13 31-0659 EA Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R).....	131.48	39.12
28 46 13 31-0660 EA 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F).....	131.48	39.12
28 46 13 31-0661 EA 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F).....	131.48	39.12
28 46 13 31-0662 EA Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP).....	212.99	39.12
28 46 13 31-0663 EA Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP).....	212.99	39.12
28 46 13 31-0664 EA Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP).....	542.29	39.12
<b>28 46 13 31-0665 Beam Smoke Detector (28 46 13 31-0656)</b>		
28 46 13 31-0666 EA Linear Beam Smoke Detector (Siemens PBA-1191) .....	2,599.39	39.12
28 46 13 31-0667 EA Base For Linear Beam Smoke Detector (Siemens PBB-1191).....	295.61	13.04
28 46 13 31-0668 EA 20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192) .....	298.87	13.04
28 46 13 31-0669 EA 10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193) .....	151.06	13.04
<b>28 46 13 31-0670 Bases For Detectors (28 46 13 31-0656)</b>		
28 46 13 31-0671 EA Detector Base (Siemens DB-11).....	42.38	13.04
28 46 13 31-0672 EA Universal Base (Siemens DB-3S) .....	39.12	13.04
<b>28 46 13 31-0673 Manual Stations (28 46 13 31-0656)</b>		
28 46 13 31-0674 EA Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP) .....	322.34	31.29
<b>28 46 13 31-0675 Addressable Devices (28 46 13 31-0535)</b>		
<b>28 46 13 31-0676 Intelligent Detectors And Devices For Firefinder XLS And FS-250 (28 46 13 31-0675)</b>		
28 46 13 31-0677 EA Addressable Fireprint Fire Detector (Siemens HFP-11) .....	265.16	39.12
28 46 13 31-0678 EA Addressable Thermal Fire Detector (Siemens HFPT-11) .....	227.12	39.12
28 46 13 31-0679 EA Relay Base For H-Series Intelligent Detectors (Siemens DB-HR) .....	182.56	39.12
28 46 13 31-0680 EA Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC) .....	118.44	39.12
28 46 13 31-0681 EA Wall Mounted Remote Alarm Indicator (Siemens RL-HW) .....	118.44	39.12
28 46 13 31-0682 EA Addressable Single Action Manual Pull Station (Siemens HMS-S) .....	281.46	26.08
28 46 13 31-0683 EA Addressable Double Action Manual Pull Station (Siemens HMS-D).....	268.42	26.08

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0684	EA		Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S).....	210.82	26.08
28 46 13 31-0685	EA		Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D).....	259.73	26.08
28 46 13 31-0686	EA		Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R).....	259.73	26.08
28 46 13 31-0687	EA		Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M).....	194.52	26.08
28 46 13 31-0688	EA		Line Isolator Module (Siemens HLIM).....	201.04	26.08
28 46 13 31-0689	EA		Remote Convention Zone Module (Siemens HZM).....	301.03	26.08
28 46 13 31-0690	EA		Intelligent Control Point Module (Siemens HCP).....	383.62	26.08
28 46 13 31-0691	EA		Handheld Programming And Testing Unit (Siemens DPU).....	1,721.49	
28 46 13 31-0692	EA		DPU Carrying Case (Siemens DPU-C1).....	263.44	
28 46 13 31-0693	EA		Label Printer And Carrying Case (Siemens DPU-PRT).....	2,947.39	26.08
<b>28 46 13 31-0694</b>			<b>Air Duct Housings And Detectors (28 46 13 31-0675)</b>		
28 46 13 31-0695	EA		Air-Duct Housing (Siemens AD2-P).....	310.17	20.86
28 46 13 31-0696	EA		Air-Duct Housing With Relay (Siemens AD2-XHR).....	351.47	20.86
28 46 13 31-0697	EA		Weatherproof Enclosure For Duct Housing (Siemens WP-2000).....	279.29	26.08
28 46 13 31-0698	EA		6" To 1' Duct Sampling Tube (Siemens ST-10).....	37.39	7.82
28 46 13 31-0699	EA		>1' To 3' Duct Sampling Tube (Siemens ST-25).....	45.86	10.43
28 46 13 31-0700	EA		>3' To 5' Duct Sampling Tube (Siemens ST-50).....	57.60	13.04
28 46 13 31-0701	EA		>5' To 10' Duct Sampling Tube (Siemens ST-100).....	67.15	15.65
<b>28 46 13 31-0702</b>			<b>Intelligent Initiating Devices For MXL, MXL-LQ And MXLV (28 46 13 31-0675)</b>		
28 46 13 31-0703	EA		Addressable Fireprint Fire Detector (Siemens FP-11).....	277.11	39.12
28 46 13 31-0704	EA		Addressable Thermal Fire Detector (Siemens FPT-11).....	236.90	39.12
28 46 13 31-0705	EA		Intelligent Ionization Smoke Detector (Siemens ILL-1).....	307.54	39.12
28 46 13 31-0706	EA		Addressable Single Action Manual Pull Station (Siemens MSI-10B).....	273.86	26.08
28 46 13 31-0707	EA		Addressable Double Action Manual Pull Station (Siemens MSI-20B).....	303.20	26.08
28 46 13 31-0708	EA		Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S).....	277.12	26.08
28 46 13 31-0709	EA		Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D).....	307.55	26.08
28 46 13 31-0710	EA		Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R).....	307.55	26.08
<b>28 46 13 31-0711</b>			<b>Detector Universal Bases (28 46 13 31-0675)</b>		
28 46 13 31-0712	EA		Detector Base With Relay (Siemens DB-X11RS).....	129.33	13.04
28 46 13 31-0713	EA		PE-11 To DB-3 Base Adapter (Siemens DB-ADPT).....	64.12	13.04
28 46 13 31-0714	EA		Locking Kit (Siemens LK-11).....	11.30	
28 46 13 31-0715	EA		Detector Base With Relay (Siemens DB-X3RS).....	129.33	13.04
28 46 13 31-0716	EA		Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11).....	151.06	13.04
28 46 13 31-0717	EA		Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX).....	60.86	13.04
28 46 13 31-0718	EA		Flush Trim Ring For Bases (Siemens RA-ADB).....	28.69	7.82
28 46 13 31-0719	EA		Seal For DB-11 (Siemens DB11-SEAL).....	13.92	
28 46 13 31-0720	EA		Gasket For DB-11 (Siemens DB-SEAL).....	15.35	
28 46 13 31-0721	EA		Detector Guard Housing (Siemens DGH-11).....	191.27	13.04
28 46 13 31-0722	EA		Small Detector Base (Siemens DB-11E).....	46.73	13.04
28 46 13 31-0723	EA		Audible Base For Series 3 (Siemens ADBI-60A).....	170.62	13.04
28 46 13 31-0724	EA		Base Plug (Siemens DB-11-DP).....	11.26	
<b>28 46 13 31-0725</b>			<b>Air Duct Smoke Detectors (28 46 13 31-0675)</b>		
28 46 13 31-0726	EA		Intelligent Remote Duct Relay Module (Siemens DA-X3SR).....	140.18	26.08
28 46 13 31-0727	EA		Weatherproof Enclosure For Duct Housing (Siemens EAD-3).....	755.31	26.08
<b>28 46 13 31-0728</b>			<b>Notification Devices (28 46 13 31-0535)</b>		
<b>28 46 13 31-0729</b>			<b>Synchronization Control Devices (28 46 13 31-0728)</b>		
28 46 13 31-0730	EA		Dual Synchronization Control Module (Siemens DSC).....	210.82	26.08
<b>28 46 13 31-0731</b>			<b>Stand Alone Strobes (28 46 13 31-0728)</b>		
28 46 13 31-0732	EA		Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R).....	170.61	39.12
28 46 13 31-0733	EA		Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R).....	186.91	39.12
28 46 13 31-0734	EA		Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR).....	170.61	39.12
28 46 13 31-0735	EA		Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR).....	186.91	39.12
28 46 13 31-0736	EA		Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW).....	186.91	39.12
28 46 13 31-0737	EA		Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW).....	170.61	39.12
28 46 13 31-0738	EA		Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R).....	198.86	39.12
28 46 13 31-0739	EA		Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP).....	190.17	39.12
28 46 13 31-0740	EA		Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP).....	190.17	39.12
28 46 13 31-0741	EA		Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP).....	204.30	39.12
28 46 13 31-0742	EA		Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP).....	204.30	39.12
<b>28 46 13 31-0743</b>			<b>Horns And Strobes (28 46 13 31-0728)</b>		
28 46 13 31-0744	EA		Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R).....	234.73	39.12
28 46 13 31-0745	EA		Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R).....	248.86	39.12
28 46 13 31-0746	EA		Wall Mounted Horn (Siemens SE-R).....	131.48	39.12
28 46 13 31-0747	EA		Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR).....	234.73	39.12
28 46 13 31-0748	EA		Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR).....	248.86	39.12



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0749	EA			Ceiling Mounted Horn (Siemens SEC-R).....	138.00	39.12
28 46 13 31-0750	EA			Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R) .....	234.73	39.12
28 46 13 31-0751	EA			Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R) .....	248.86	39.12
28 46 13 31-0752	EA			Wall Mounted Low Profile Horn (Siemens SEF-R) .....	131.48	39.12
28 46 13 31-0753	EA			Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW).....	234.73	39.12
28 46 13 31-0754	EA			Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW).....	248.86	39.12
28 46 13 31-0755	EA			Ceiling Mounted Low Profile Horn (Siemens SEF-CR).....	138.00	39.12
28 46 13 31-0756	EA			Mini Horn (Siemens MH-R).....	107.57	39.12
28 46 13 31-0757	EA			Indoor/Outdoor Multi Tone Horn (Siemens MTH-R) .....	140.18	39.12
28 46 13 31-0758	EA			Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R) .....	220.60	39.12
28 46 13 31-0759	EA			Industrial Tri-Tone Horn (Siemens ASR) .....	648.80	39.12
28 46 13 31-0760	EA			Wall Mounted Horn (Siemens HS-R) .....	140.18	39.12
28 46 13 31-0761	EA			Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R).....	221.69	39.12
28 46 13 31-0762	EA			Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R).....	239.08	39.12
28 46 13 31-0763	EA			6" Motor Bell (Siemens MBDC-6) .....	161.91	39.12
28 46 13 31-0764	EA			10" Motor Bell (Siemens MBDC-10) .....	178.22	39.12
<b>28 46 13 31-0765 Mounting Accessories (28 46 13 31-0728)</b>						
28 46 13 31-0766	EA			Concealed Conduit Adapter Plate (Siemens APS-R) .....	39.12	13.04
28 46 13 31-0767	EA			4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R).....	39.12	13.04
28 46 13 31-0768	EA			4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R).....	40.21	13.04
28 46 13 31-0769	EA			Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX).....	66.29	13.04
28 46 13 31-0770	EA			White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W) .....	52.16	13.04
28 46 13 31-0771	EA			Surface Mounted Speaker Backbox (Siemens SBBS-R).....	55.42	13.04
28 46 13 31-0772	EA			Surface Mounted Speaker Backbox (Siemens SBL2S-R) .....	59.77	13.04
28 46 13 31-0773	EA			Square Semi-Flush Extension Ring (Siemens SERS-R) .....	46.73	13.04
28 46 13 31-0774	EA			Semi-Flush Plate (Siemens SFPS-R) .....	38.03	13.04
28 46 13 31-0775	EA			Square Surface Backbox (Siemens SHBBS-R) .....	46.73	13.04
28 46 13 31-0776	EA			Horn Adapter Plate (Siemens SHMPS-R).....	44.56	13.04
28 46 13 31-0777	EA			Ceiling Speaker Extension Ring (Siemens SPECT-R).....	39.12	13.04
28 46 13 31-0778	EA			Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R).....	52.16	13.04
28 46 13 31-0779	EA			Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSB-R) .....	55.42	13.04
28 46 13 31-0780	EA			Weatherproof Speaker Backbox (Siemens WBBS-R) .....	53.25	13.04
28 46 13 31-0781	EA			Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B) .....	59.77	13.04
28 46 13 31-0782	EA			Weatherproof Flush Plate (Siemens WFPAS-R) .....	59.77	13.04
28 46 13 31-0783	EA			Weatherproof Horn Flush Plate (Siemens WFPS-R) .....	59.77	13.04
28 46 13 31-0784	EA			Weatherproof Horn Backbox (Siemens WPBS-R).....	55.42	13.04
28 46 13 31-0785	EA			Weatherproof Strobe Backbox (Siemens WPSBBS-R) .....	55.42	13.04
28 46 13 31-0786	EA			Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT).....	39.12	13.04
28 46 13 31-0787	EA			Z Series Backbox (Siemens ZBB-R).....	44.56	13.04
<b>28 46 13 31-0788 Door Holders (28 46 13 31-0728)</b>						
28 46 13 31-0789	EA			120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A).....	358.62	39.12
28 46 13 31-0790	EA			24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D).....	358.62	39.12
<b>28 46 13 31-0791 Voice Equipment (28 46 13 31-0535)</b>						
<b>28 46 13 31-0792 Voicecom (28 46 13 31-0791)</b>						
28 46 13 31-0793	EA			Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM).....	5,515.29	521.56
28 46 13 31-0794	EA			Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L).....	8,830.03	521.56
<b>28 46 13 31-0795 Johnson Controls Fire Alarm (28 46 13 31)</b>						
28 46 13 31-0796	EA			Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J).....	204.91	39.12
28 46 13 31-0797	EA			Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J).....	202.55	39.12
28 46 13 31-0798	EA			Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ).....	256.51	39.12
28 46 13 31-0799	EA			Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ).....	255.76	39.12
28 46 13 31-0800	EA			411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD).....	723.73	52.15
28 46 13 31-0801	EA			Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ) .....	192.88	39.12
28 46 13 31-0802	EA			Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J).....	170.55	39.12
28 46 13 31-0803	EA			Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ).....	165.82	39.12
28 46 13 31-0804	EA			Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J) .....	529.72	39.12
28 46 13 31-0805	EA			100 Watts Audio Amplifier At 70.7 VRMS With Built-in Tone Generator, 120 Volt AC (Johnson Controls, Inc. #AA-100) .....	2,617.91	78.23
28 46 13 31-0806	EA			AUDIO Amplifier, 100 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-100E) .....	2,535.60	78.23
28 46 13 31-0807	EA			120 Watts Audio Amplifier At 25 VRMS With Built-in Tone Generator, 120 Voltage AC (Johnson Controls, Inc. #AA-120) .....	2,580.01	78.23
28 46 13 31-0808	EA			AUDIO Amplifier, 120 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-120E) .....	2,469.14	78.23
28 46 13 31-0809	EA			30 Watts Audio Amplifier At 25 VRMS, 120 Voltage AC (Johnson Controls, Inc. #AA-30).....	1,188.21	78.23
28 46 13 31-0810	EA			AUDIO Amplifier, 30 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-30E) .....	1,188.21	78.23

**28 Electronic Safety and Security**

28 40 Life Safety

28 46 Fire Detection and Alarm



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0811 EA Annunciator Control Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT).....	1,208.50	26.08
28 46 13 31-0812 EA IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT).....	1,257.37	26.08
28 46 13 31-0813 EA Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A).....	921.07	26.08
28 46 13 31-0814 EA IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A).....	921.07	26.08
28 46 13 31-0815 EA Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R).....	646.95	26.08
28 46 13 31-0816 EA Charger Power Supply - 6 Or 10 Amperes; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610).....	2,098.00	52.15
28 46 13 31-0817 EA Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT).....	921.07	26.08
28 46 13 31-0818 EA Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT).....	957.81	26.08
28 46 13 31-0819 EA Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A).....	824.69	26.08
28 46 13 31-0820 EA Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A).....	824.69	26.08
28 46 13 31-0821 EA Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX).....	131.67	23.47
28 46 13 31-0822 EA Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM).....	1,257.34	52.15
28 46 13 31-0823 EA Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS).....	2,762.56	52.15
28 46 13 31-0824 EA Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM).....	1,257.34	52.15
28 46 13 31-0825 EA Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS).....	2,762.56	52.15
28 46 13 31-0826 EA Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP).....	46.01	13.04
28 46 13 31-0827 EA Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI).....	131.76	13.04
28 46 13 31-0828 EA Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB).....	124.01	13.04
28 46 13 31-0829 EA Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401).....	49.33	13.04
28 46 13 31-0830 EA Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J).....	43.82	13.04
28 46 13 31-0831 EA Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100).....	911.83	52.15
28 46 13 31-0832 EA Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224).....	2,150.15	78.23
28 46 13 31-0833 EA Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S).....	2,274.76	78.23
28 46 13 31-0834 EA Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK).....	250.37	13.04
28 46 13 31-0835 EA Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK).....	167.31	13.04
28 46 13 31-0836 EA Digital Audio Amplifier, 50 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-5025).....	2,151.98	78.23
28 46 13 31-0837 EA Digital Audio Amplifier, 50 Watts, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F).....	1,984.00	78.23
28 46 13 31-0838 EA Digital Audio Amplifier, 50 Watts, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF).....	1,984.00	78.23
28 46 13 31-0839 EA Digital Audio Amplifier, 50 Watts, 70 VRMS (Johnson Controls, Inc. #DAA-5070).....	2,333.43	78.23
28 46 13 31-0840 EA Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E).....	2,150.15	78.23
28 46 13 31-0841 EA Digital Audio Amplifier, 50 Watts, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F).....	2,150.15	78.23
28 46 13 31-0842 EA Digital Audio Amplifier, 50 Watts, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF).....	2,150.15	78.23
28 46 13 31-0843 EA Digital Audio Amplifier, 75 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-7525).....	2,577.36	78.23
28 46 13 31-0844 EA Digital Audio Amplifier, 75 Watts, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F).....	2,577.36	78.23
28 46 13 31-0845 EA Digital Audio Amplifier, 75 Watts, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF).....	2,577.36	78.23
28 46 13 31-0846 EA Innovairflex Intelligent. (Johnson Controls, Inc. #DNR).....	261.60	26.08
28 46 13 31-0847 EA Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW).....	406.87	26.08
28 46 13 31-0848 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1).....	34.10	10.43
28 46 13 31-0849 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5).....	37.52	10.43
28 46 13 31-0850 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10).....	95.19	15.65
28 46 13 31-0851 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3).....	45.17	10.43
28 46 13 31-0852 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5).....	55.73	13.04
28 46 13 31-0853 EA Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO).....	409.34	26.08
28 46 13 31-0854 EA Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD).....	677.51	52.15
28 46 13 31-0855 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4).....	550.49	78.23
28 46 13 31-0856 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4).....	774.22	78.23
28 46 13 31-0857 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPs-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4).....	848.98	78.23
28 46 13 31-0858 EA Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4).....	459.96	10.43
28 46 13 31-0859 EA Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4).....	695.37	10.43
28 46 13 31-0860 EA Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4).....	764.61	10.43
28 46 13 31-0861 EA 6.0 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S6).....	891.63	104.31
Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions		
28 46 13 31-0862 EA 8 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S8).....	1,181.65	104.31
Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions		
28 46 13 31-0863 EA 80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G).....	1,128.40	78.23
28 46 13 31-0864 EA Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS).....	208.84	13.04
28 46 13 31-0865 EA Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R).....	595.43	26.08
28 46 13 31-0866 EA Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980).....	305.69	39.12
28 46 13 31-0867 EA Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996).....	246.77	39.12
28 46 13 31-0868 EA Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998).....	260.18	39.12
28 46 13 31-0869 EA Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200).....	2,200.47	52.15
28 46 13 31-0870 EA Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S).....	2,692.17	52.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0871 EA Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J) .....	809.64	26.08
28 46 13 31-0872 EA IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amperes Power Supply, 120 Volt AC, (Johnson Controls, Inc. #IFC-320) .....	5,423.79	417.24
Note: Includes Door, Dress Panel And Back Box, Black		
28 46 13 31-0873 EA Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG).....	2,716.04	52.15
28 46 13 31-0874 EA Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI) .....	35,731.61	625.87
28 46 13 31-0875 EA Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F) .....	39,054.41	625.87
28 46 13 31-0876 EA Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP).....	44,038.64	625.87
28 46 13 31-0877 EA Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W).....	39,054.41	625.87
28 46 13 31-0878 EA Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B) .....	260.57	15.65
28 46 13 31-0879 EA Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB).....	293.80	15.65
28 46 13 31-0880 EA Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B) .....	320.38	15.65
28 46 13 31-0881 EA Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B) .....	602.82	15.65
28 46 13 31-0882 EA Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB) .....	193.64	10.43
28 46 13 31-0883 EA Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black. (Johnson Controls, Inc. #JABS-2D) .....	300.03	23.47
28 46 13 31-0884 EA Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red. (Johnson Controls, Inc. #JABS-2DR).....	319.08	23.47
28 46 13 31-0885 EA Surface (or Semi-flush) Mount INA, ACS, Or SCS Backbox, Black. (Johnson Controls, Inc. #JABS-4D) .....	591.87	23.47
28 46 13 31-0886 EA Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4) .....	594.06	10.43
28 46 13 31-0887 EA Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4).....	801.74	10.43
28 46 13 31-0888 EA Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4).....	992.80	10.43
28 46 13 31-0889 EA Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX) .....	272.57	26.08
28 46 13 31-0890 EA Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4).....	127.71	10.43
28 46 13 31-0891 EA JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D) .....	5,411.22	417.24
28 46 13 31-0892 EA Central Processing Unit For The JCPU2-640 With Integral 120 Volt AC Power Supply (Johnson Controls, Inc. #JCPU2-640).....	3,903.17	312.93
Note: Includes CHS2-M2 Chassis		
28 46 13 31-0893 EA Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D).....	7,060.67	417.24
28 46 13 31-0894 EA Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640).....	6,806.43	312.93
28 46 13 31-0895 EA Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E).....	4,879.55	312.93
28 46 13 31-0896 EA Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM).....	2,708.75	39.12
28 46 13 31-0897 EA Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF).....	2,736.48	39.12
28 46 13 31-0898 EA Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF).....	2,736.48	39.12
28 46 13 31-0899 EA Annunciator, Network Control. (Johnson Controls, Inc. #JNCA).....	3,236.91	52.15
28 46 13 31-0900 EA Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. (Johnson Controls, Inc. #JNCA-2) .....	2,740.96	52.15
Note: Mounting Includes: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D).		
28 46 13 31-0901 EA Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP).....	2,287.29	312.93
28 46 13 31-0902 EA 160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160) .....	1,942.86	52.15
28 46 13 31-0903 EA 80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80).....	1,595.56	52.15
28 46 13 31-0904 EA Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320).....	2,577.13	52.15
28 46 13 31-0905 EA Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32) .....	798.62	13.04
28 46 13 31-0906 EA Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24).....	255.10	10.43
28 46 13 31-0907 EA Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48).....	314.91	10.43
28 46 13 31-0908 EA Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32) .....	642.48	13.04
28 46 13 31-0909 EA Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32).....	1,182.43	13.04
28 46 13 31-0910 EA Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320).....	2,145.65	13.04
28 46 13 31-0911 EA Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ) .....	164.62	13.04
28 46 13 31-0912 EA Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ).....	264.63	13.04
28 46 13 31-0913 EA Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ).....	128.39	13.04
28 46 13 31-0914 EA Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ).....	181.74	13.04
28 46 13 31-0915 EA Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devises. (Johnson Controls, Inc. #M301MJ) .....	142.40	13.04
28 46 13 31-0916 EA Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ).....	234.67	13.04
28 46 13 31-0917 EA Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ).....	268.18	13.04
28 46 13 31-0918 EA SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ).....	149.53	13.04
28 46 13 31-0919 EA Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MB-W).....	2,257.99	39.12
28 46 13 31-0920 EA Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F).....	2,010.93	26.08



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
28 46 13 31-0921	EA	Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W) .....	1,858.09	26.08
28 46 13 31-0922	EA	Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO) .....	68.58	5.21
28 46 13 31-0923	EA	Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-F) .....	1,624.52	26.08
28 46 13 31-0924	EA	Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-W) .....	1,546.54	26.08
28 46 13 31-0925	EA	NFV-25/50. (Johnson Controls, Inc. #NFV-25/50) .....	3,952.70	52.15
28 46 13 31-0926	EA	NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U) .....	1,094.54	26.08
28 46 13 31-0927	EA	Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S) .....	298.30	10.43
28 46 13 31-0928	EA	Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1) .....	688.48	26.08
28 46 13 31-0929	EA	Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA) .....	688.48	26.08
28 46 13 31-0930	EA	Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1) .....	183.69	10.43
28 46 13 31-0931	EA	SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB) .....	48.00	5.21
28 46 13 31-0932	EA	SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC) .....	48.00	5.21
28 46 13 31-0933	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCR) .....	177.93	39.12
28 46 13 31-0934	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCRH) .....	201.18	39.12
28 46 13 31-0935	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK) .....	238.20	44.33
28 46 13 31-0936	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK) .....	234.86	44.33
28 46 13 31-0937	EA	Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8) .....	1,635.79	104.31
28 46 13 31-0938	EA	Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L) .....	1,270.26	104.31
28 46 13 31-0939	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW) .....	177.93	39.12
28 46 13 31-0940	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCWH) .....	201.18	39.12
28 46 13 31-0941	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW-P) .....	177.93	39.12
28 46 13 31-0942	EA	Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500) .....	31.41	10.43
28 46 13 31-0943	EA	SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON) .....	37.10	5.21
28 46 13 31-0944	EA	SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP) .....	42.43	5.21
28 46 13 31-0945	EA	SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS) .....	37.14	5.21
28 46 13 31-0946	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR) .....	161.90	39.12
28 46 13 31-0947	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH) .....	201.18	39.12
28 46 13 31-0948	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK) .....	238.20	44.33
28 46 13 31-0949	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH-P) .....	201.18	39.12
28 46 13 31-0950	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK) .....	234.86	44.33
28 46 13 31-0951	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR-P) .....	177.93	39.12
28 46 13 31-0952	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW) .....	177.93	39.12
28 46 13 31-0953	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH) .....	201.18	39.12
28 46 13 31-0954	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH-P) .....	201.18	39.12
28 46 13 31-0955	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW-P) .....	177.93	39.12
28 46 13 31-0956	EA	Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1) .....	257.00	13.04
28 46 13 31-0957	EA	Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT) .....	1,135.61	52.15
28 46 13 31-0958	EA	Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW) .....	265.31	52.15
28 46 13 31-0959	EA	Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW) .....	112.45	26.08
28 46 13 31-0960	EA	Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV) .....	112.45	26.08
28 46 13 31-0961	EA	Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR) .....	213.15	26.08
28 46 13 31-0962	EA	Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH) .....	232.41	26.08
28 46 13 31-0963	EA	Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRVH) .....	232.41	26.08
28 46 13 31-0964	EA	Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV) .....	205.49	26.08
28 46 13 31-0965	EA	Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK) .....	282.61	26.08
28 46 13 31-0966	EA	Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW) .....	213.15	26.08
28 46 13 31-0967	EA	Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW) .....	112.45	26.08
28 46 13 31-0968	EA	Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR) .....	112.45	26.08
28 46 13 31-0969	EA	Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH) .....	232.41	26.08
28 46 13 31-0970	EA	Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR) .....	213.15	26.08
28 46 13 31-0971	EA	Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV) .....	213.15	26.08
28 46 13 31-0972		<b>Honeywell Fire Alarm</b> <small>(28 46 13 31)</small>		
28 46 13 31-0973		<b>Notifier Fire Alarm</b> <small>(28 46 13 31-0972)</small>		
28 46 13 31-0974		<b>Fire Alarm Control Panel And Accessories</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-0975	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D) .....	5,261.46	521.56
28 46 13 31-0976	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640) .....	4,341.02	521.56
28 46 13 31-0977	EA	Central Processing Unit for NFS2-640 With Integral 240 Volt Power Supply Includes Chassis (Notifier CPU2-640E) .....	3,623.11	521.56
28 46 13 31-0978	EA	Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320) .....	5,250.64	521.56
28 46 13 31-0979	EA	Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C) .....	5,100.74	521.56
28 46 13 31-0980	EA	Black, 240 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E) .....	4,970.57	521.56
28 46 13 31-0981	EA	Red, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R) .....	4,846.27	521.56
28 46 13 31-0982	EA	Two-Tone Sequential Module (Notifier 2TTM) .....	325.22	26.08
28 46 13 31-0983	EA	5', Not Low Loss, Antenna Cable (Notifier 7626-5C) .....	81.88	5.21
28 46 13 31-0984	EA	25', Low Loss, Antenna Cable (Notifier 7626-25HC) .....	156.90	10.43
28 46 13 31-0985	EA	50', Low Loss, Antenna Cable (Notifier 7626-50HC) .....	238.29	15.65
28 46 13 31-0986	EA	IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P) .....	379.75	
28 46 13 31-0987	EA	RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119) .....	71.89	
28 46 13 31-0988	EA	120 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS) .....	4,748.39	521.56
28 46 13 31-0989	EA	240 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS) .....	4,796.35	521.56
28 46 13 31-0990	EA	3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB) .....	203.24	5.21
28 46 13 31-0991	EA	Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER) .....	62.30	5.21
28 46 13 31-0992	EA	Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT) .....	88.15	10.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0993 EA Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT) .....	86.76	13.04
28 46 13 31-0994 EA IP Communicator (Notifier IPDACT-2) .....	658.97	26.08
28 46 13 31-0995 EA IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD) .....	764.67	26.08
28 46 13 31-0996 EA Red, IP Communicator External Mounting Enclosure (Notifier IPENC) .....	177.43	26.08
Note: Includes IPBRKT.		
28 46 13 31-0997 EA Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B).....	176.94	26.08
Note: Includes IPBRKT		
28 46 13 31-0998 EA Dual 8TPC To Single 8TPC Y-Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT) .....	45.03	10.43
28 46 13 31-0999 EA Loop Control Module (Notifier LCM-320) .....	1,919.94	52.15
28 46 13 31-1000 EA Loop Expander Module (Notifier LEM-320).....	1,511.74	52.15
28 46 13 31-1001 EA Keyboard Display Module For CPU2-640 (Notifier KDM-R2).....	1,456.71	52.15
28 46 13 31-1002 EA 7' DACT Phone Cord (Notifier MCBL-7) .....	21.88	
28 46 13 31-1003 EA Backbox For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1) .....	189.04	13.04
28 46 13 31-1004 EA Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R).....	215.11	26.08
28 46 13 31-1005 EA Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B).....	215.11	26.08
28 46 13 31-1006 EA Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2) .....	572.28	26.08
28 46 13 31-1007 EA Universal Zone Coder (Notifier UZC-256).....	792.68	26.08
28 46 13 31-1008 EA Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI).....	246.25	
Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.		
28 46 13 31-1009 EA Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD).....	831.66	
28 46 13 31-1010 EA ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD).....	520.15	
28 46 13 31-1011 EA Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS).....	3,476.80	15.65
28 46 13 31-1012 EA Surface Back Box For NBG-12LRA (Notifier SBA-10) .....	47.71	13.04
28 46 13 31-1013 EA Up To 50 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-50X).....	1,875.47	521.56
28 46 13 31-1014 EA Up To 198 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-100X).....	2,754.80	521.56
<b>28 46 13 31-1015 ONYX Cabinets</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1016 EA Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R) .....	575.73	13.04
28 46 13 31-1017 EA Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R) .....	773.42	13.04
28 46 13 31-1018 EA Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R) .....	956.14	13.04
28 46 13 31-1019 EA Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4) .....	112.53	15.65
28 46 13 31-1020 EA Chassis Bridge (Notifier CB-1).....	102.18	13.04
28 46 13 31-1021 EA Four Position Chassis (Notifier CHS-4) .....	171.42	13.04
28 46 13 31-1022 EA Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2) .....	194.13	26.08
28 46 13 31-1023 EA Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B) .....	99.31	15.65
28 46 13 31-1024 EA Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP) .....	125.98	15.65
28 46 13 31-1025 EA One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4) .....	360.17	26.08
28 46 13 31-1026 EA One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B) .....	229.02	26.08
28 46 13 31-1027 EA Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4) .....	456.03	39.12
28 46 13 31-1028 EA Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B) .....	281.57	39.12
28 46 13 31-1029 EA Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4) .....	680.64	52.15
28 46 13 31-1030 EA Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B) .....	414.74	52.15
28 46 13 31-1031 EA Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4) .....	825.83	65.20
28 46 13 31-1032 EA Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B) .....	481.71	65.20
28 46 13 31-1033 EA Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4) .....	270.76	13.04
28 46 13 31-1034 EA Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B).....	186.59	13.04
28 46 13 31-1035 EA Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR) .....	186.59	13.04
28 46 13 31-1036 EA Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R).....	275.66	13.04
28 46 13 31-1037 EA Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR) .....	210.08	13.04
28 46 13 31-1038 EA Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R) .....	349.06	13.04
28 46 13 31-1039 EA Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR) .....	238.96	13.04
28 46 13 31-1040 EA Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R) .....	415.62	13.04
28 46 13 31-1041 EA Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR) .....	343.19	13.04
28 46 13 31-1042 EA Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R) .....	616.26	13.04
28 46 13 31-1043 EA Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR) .....	384.30	13.04
28 46 13 31-1044 EA Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R).....	737.62	13.04
28 46 13 31-1045 EA Black, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4).....	356.54	26.08
28 46 13 31-1046 EA Black, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4).....	524.88	26.08
28 46 13 31-1047 EA Black, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4) .....	614.93	26.08
28 46 13 31-1048 EA Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4).....	373.18	26.08
28 46 13 31-1049 EA Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4) .....	562.07	26.08
28 46 13 31-1050 EA Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4) .....	656.03	26.08
28 46 13 31-1051 EA Red, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4R) .....	359.47	26.08
28 46 13 31-1052 EA Red, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4R).....	524.88	26.08
28 46 13 31-1053 EA Red, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4R).....	622.76	26.08
28 46 13 31-1054 EA Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R) .....	390.79	26.08
28 46 13 31-1055 EA Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R).....	562.07	26.08
28 46 13 31-1056 EA Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R).....	656.03	26.08
28 46 13 31-1057 EA Backbox With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC).....	2,468.38	130.38
28 46 13 31-1058 EA CAB-4 Series Mounting Kit (Notifier P40-KITB) .....	335.01	26.08
Note: Includes chassis, hinged dress plate, and mounting hardware.		
28 46 13 31-1059 EA Black, One Tier Backbox Assembly (Notifier SBB-A4) .....	361.00	78.23
28 46 13 31-1060 EA Black, Two Tier Backbox Assembly (Notifier SBB-B4) .....	510.63	104.31
28 46 13 31-1061 EA Black, Three Tier Backbox Assembly (Notifier SBB-C4).....	673.07	104.31
28 46 13 31-1062 EA Black, Four Tier Backbox Assembly (Notifier SBB-D4).....	819.06	130.38
28 46 13 31-1063 EA Black, Mini, One Tier, Backbox (Notifier SBB-AA4) .....	211.68	26.08
28 46 13 31-1064 EA Red, Mini, One Tier, Backbox (Notifier SBB-AA4R).....	211.68	26.08
28 46 13 31-1065 EA Red, One Tier Backbox Assembly (Notifier SBB-A4R) .....	256.71	26.08
28 46 13 31-1066 EA Red, Two Tier Backbox Assembly (Notifier SBB-B4R).....	355.56	26.08

**28 Electronic Safety and Security**

**28 40 Life Safety**

**28 46 Fire Detection and Alarm**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1067	EA		Red, Three Tier Backbox Assembly (Notifier SBB-C4R) .....	519.01	26.08
28 46 13 31-1068	EA		Red, Four Tier Backbox Assembly (Notifier SBB-D4R) .....	612.97	26.08
28 46 13 31-1069	EA		Trim Ring For NFS-320 Cabinet (Notifier TR-320).....	203.06	15.65
28 46 13 31-1070	EA		Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R).....	203.06	15.65
28 46 13 31-1071	EA		Black, AA Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4).....	273.04	15.65
28 46 13 31-1072	EA		Black, A Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA) .....	216.27	15.65
28 46 13 31-1073	EA		Black, B Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4) .....	217.74	15.65
28 46 13 31-1074	EA		Black, C Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4) .....	215.29	15.65
28 46 13 31-1075	EA		Black, D Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4) .....	220.68	15.65
28 46 13 31-1076	EA		2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Backbox (Notifier VP-2B).....	79.64	15.65
28 46 13 31-1077	EA		Wire Trays For Routing Wire In A CAB-4 Series Backbox (Notifier WC-2) .....	54.67	5.21
<b>28 46 13 31-1078</b>			<b>NFS2-3030/640 Cabinet Mechanicals</b> (28 46 13 31-0973)		
28 46 13 31-1079	EA		Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640).....	119.12	15.65
28 46 13 31-1080	EA		Blank Module Dress Plate (Notifier BM-1B) .....	98.67	15.65
28 46 13 31-1081	EA		Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4) .....	111.90	15.65
28 46 13 31-1082	EA		Four Position Expansion Chassis (Notifier CHS-4MB).....	265.87	13.04
28 46 13 31-1083	EA		Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3).....	251.49	39.12
28 46 13 31-1084	EA		Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2).....	123.94	15.65
<b>28 46 13 31-1085</b>			<b>NFS-3030/640 Cabinet Mechanicals</b> (28 46 13 31-0973)		
28 46 13 31-1086	EA		Annunciator Dress Plate (Notifier ADP-4B).....	113.11	15.65
28 46 13 31-1087	EA		Blank Module Dress Plate (Notifier BMP-1) .....	71.00	15.65
28 46 13 31-1088	EA		Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L) .....	159.84	26.08
28 46 13 31-1089	EA		Module Dress Plate (Notifier MP-1B) .....	114.31	15.65
<b>28 46 13 31-1090</b>			<b>Battery Cabinets</b> (28 46 13 31-0973)		
28 46 13 31-1091	EA		Six Position Chassis (Notifier CHS-6) .....	103.05	26.08
28 46 13 31-1092	EA		Black, 24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB).....	510.20	78.23
<b>28 46 13 31-1093</b>			<b>Digital Voice</b> (28 46 13 31-0973)		
28 46 13 31-1094	EA		Chassis Used With BB-XP (Notifier 18439) .....	51.04	13.04
28 46 13 31-1095	EA		220 Volt AC, 100 Watt, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E) .....	1,612.91	39.12
28 46 13 31-1096	EA		220 Volt AC, 120 Watt, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E) .....	1,568.10	39.12
28 46 13 31-1097	EA		220 Volt AC, 30 Watt, 25 VRMS Audio Amplifier (Notifier AA-30E) .....	797.45	39.12
28 46 13 31-1098	EA		Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4).....	519.80	39.12
28 46 13 31-1099	EA		Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4) .....	704.71	52.15
28 46 13 31-1100	EA		Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4) .....	877.57	65.20
28 46 13 31-1101	EA		Multimode Audio Fiber Link Receiver (Notifier AFL-RM) .....	689.09	26.08
28 46 13 31-1102	EA		Multimode Audio Fiber Link Transmitter (Notifier AFL-TM) .....	689.09	26.08
28 46 13 31-1103	EA		Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS) .....	1,463.41	26.08
28 46 13 31-1104	EA		15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Backbox (Notifier AFAWS-BX) .....	106.09	13.04
28 46 13 31-1105	EA		Flush Mounted, Key Lock, Door (Notifier AFAWS-KR) .....	178.76	13.04
28 46 13 31-1106	EA		Surface Mounted, Key Lock, Door (Notifier AFAWS-KS).....	179.74	13.04
28 46 13 31-1107	EA		Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR).....	173.87	13.04
28 46 13 31-1108	EA		Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS).....	175.83	13.04
28 46 13 31-1109	EA		Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA) .....	357.87	13.04
28 46 13 31-1110	EA		Coil Cord, Telephone Chassis (Notifier AFAWS-TELC).....	273.70	13.04
28 46 13 31-1111	EA		Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B).....	112.22	
28 46 13 31-1112	EA		For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V) .....	415.80	26.08
28 46 13 31-1113	EA		For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V) .....	419.47	26.08
28 46 13 31-1114	EA		Blank Dress Plate For CA-2 (Notifier BP-CA2) .....	104.62	13.04
28 46 13 31-1115	EA		One Tier Chassis For Digital Voice Command Panel (Notifier CA-1).....	138.78	26.08
28 46 13 31-1116	EA		Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2).....	431.97	39.12
28 46 13 31-1117	EA		Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM) .....	210.22	26.08
28 46 13 31-1118	EA		Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR) .....	210.22	26.08
28 46 13 31-1119	EA		Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1).....	270.76	13.04
28 46 13 31-1120	EA		Chassis With Paging Microphone With Well (Notifier CMIC-1) .....	267.83	13.04
28 46 13 31-1121	EA		120 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025) .....	1,782.35	26.08
28 46 13 31-1122	EA		Multi-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F) .....	1,773.64	26.08
28 46 13 31-1123	EA		Single-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF) .....	1,773.64	26.08
28 46 13 31-1124	EA		120 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070) .....	1,840.11	26.08
28 46 13 31-1125	EA		Multi-Mode Fiber-Optic Media 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F).....	1,930.14	26.08
28 46 13 31-1126	EA		120 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525) .....	1,911.09	26.08
28 46 13 31-1127	EA		Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF) .....	2,321.39	26.08
28 46 13 31-1128	EA		Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF) .....	2,321.39	26.08
28 46 13 31-1129	EA		220-240 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E).....	1,309.14	26.08
28 46 13 31-1130	EA		220-240 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E).....	1,345.87	26.08
28 46 13 31-1131	EA		220-240 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E).....	1,403.17	26.08
28 46 13 31-1132	EA		120 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525) .....	892.59	26.08
28 46 13 31-1133	EA		220-240 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E).....	916.10	26.08
28 46 13 31-1134	EA		120 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570) .....	937.40	26.08
28 46 13 31-1135	EA		220-240 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E).....	968.26	26.08
28 46 13 31-1136	EA		120 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025) .....	974.87	26.08
28 46 13 31-1137	EA		220-240 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E).....	1,003.52	26.08
28 46 13 31-1138	EA		120 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070) .....	1,032.17	26.08





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1139 EA 220-240 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E) .....	1,083.60	26.08
28 46 13 31-1140 EA Dress Plate For CFFT-1 (Notifier DP-CFFT).....	121.26	13.04
28 46 13 31-1141 EA Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1) .....	107.09	15.65
28 46 13 31-1142 EA Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4).....	123.94	15.65
28 46 13 31-1143 EA Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B).....	214.18	15.65
28 46 13 31-1144 EA WPS Power Amplifier (Notifier DPA3204P) .....	491.47	26.08
28 46 13 31-1145 EA WPS Power Amplifier (Notifier DPA4001P) .....	415.80	26.08
28 46 13 31-1146 EA Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232).....	927.12	26.08
28 46 13 31-1147 EA 120 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMP).....	695.70	26.08
Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V		
28 46 13 31-1148 EA 220-240 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMPE).....	703.78	26.08
Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V		
28 46 13 31-1149 EA Digital Series Distribution Board, Supports One To Four DS-AMP Or DS-AMPE (Notifier DS-DB).....	1,166.61	26.08
28 46 13 31-1150 EA 125 Watt, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watt Amplifier With A DS-XF70V) (Notifier DS-BDA).....	459.88	26.08
28 46 13 31-1151 EA Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM) .....	314.45	26.08
28 46 13 31-1152 EA Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXX Series Amplifier), Fiber Option Module (Notifier DS-RFM) .....	314.45	26.08
28 46 13 31-1153 EA Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM) .....	314.45	26.08
28 46 13 31-1154 EA Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watt, DS Series Transformer (Notifier DS-XF70V).....	133.63	26.08
28 46 13 31-1155 EA Analog Output Board For Digital Voice Command (Notifier DVC-AO) .....	310.84	26.08
28 46 13 31-1156 EA Extended Memory For Digital Voice Command (Notifier DVC-EM) .....	1,796.79	26.08
28 46 13 31-1157 EA Keypad For Digital Voice Command (Notifier DVC-KD) .....	519.41	52.15
28 46 13 31-1158 EA Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE) .....	250.22	
28 46 13 31-1159 EA Portable Fireman's Telephone Handset (Notifier FHS) .....	149.90	
28 46 13 31-1160 EA Red, Fireman's Telephone Handset (Notifier FHS-F) .....	173.88	
28 46 13 31-1161 EA Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R).....	433.86	26.08
28 46 13 31-1162 EA Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S).....	433.86	26.08
28 46 13 31-1163 EA Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ) .....	70.66	7.82
28 46 13 31-1164 EA Paging Microphone Only (Notifier MIC-1) .....	209.77	26.08
28 46 13 31-1165 EA Firefighter's Telephone Handset (Notifier TELH-1) .....	171.43	
28 46 13 31-1166 EA Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1) .....	520.19	26.08
28 46 13 31-1167 EA Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA).....	520.19	26.08
<b>28 46 13 31-1168 Amplifiers</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1169 EA 30 Watt Audio Amplifier At 25 VRMS, 120 Volt AC (Notifier AA-30) .....	1,001.47	26.08
28 46 13 31-1170 EA 100 Watt Audio Amplifier At 70.7 VRMS, 120 Volt AC, Tone Generator (Notifier AA-100).....	2,186.63	26.08
28 46 13 31-1171 EA 120 Watt Audio Amplifier At 25 VRMS, 120 Volt AC, Tone Generator (Notifier AA-120).....	2,124.06	26.08
28 46 13 31-1172 EA Audio Coupling Transformer (Notifier ACT-1) .....	152.02	26.08
28 46 13 31-1173 EA Audio Coupling Transformer For DVC-AO (Notifier ACT-4).....	178.49	26.08
28 46 13 31-1174 EA Audio Coupling Transformer For DAA-5025 (Notifier ACT-25) .....	178.49	26.08
28 46 13 31-1175 EA Audio Coupling Transformer For DAA-5070 (Notifier ACT-70) .....	178.49	26.08
28 46 13 31-1176 EA 50 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5025) .....	1,254.04	26.08
28 46 13 31-1177 EA 50 Watt, 70 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5070) .....	1,296.65	26.08
28 46 13 31-1178 EA 75 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-7525) .....	1,346.60	26.08
28 46 13 31-1179 EA Distributed Amplifier With Backup Capability (Notifier NFC-50/100DA).....	2,447.11	26.08
Note: Requires NFC-BDA-BU		
28 46 13 31-1180 EA 50 Watt, 25 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25V) .....	496.61	26.08
Note: Requires NFC-BDA-BU		
28 46 13 31-1181 EA 50 Watt, 70 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70V) .....	498.82	26.08
Note: Requires NFC-BDA-BU		
<b>28 46 13 31-1182 FireVoice-25/50 Emergency Voice Evacuation Control Panels</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1183 EA 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50).....	4,650.42	521.56
28 46 13 31-1184 EA Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA).....	3,234.10	521.56
28 46 13 31-1185 EA Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS).....	4,251.34	521.56
28 46 13 31-1186 EA Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS) .....	5,581.59	521.56
28 46 13 31-1187 EA Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST) .....	6,191.93	521.56
<b>28 46 13 31-1188 System Printer</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1189 EA 80 Column, 120 Volt AC, Desktop Printer (Notifier PRN-6) .....	2,172.19	26.08
<b>28 46 13 31-1190 Batteries</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1191 EA 5 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1250-BP) .....	562.07	26.08
28 46 13 31-1192 EA 7 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1270-BP) .....	463.64	26.08
28 46 13 31-1193 EA 12 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12120-BP) .....	610.43	26.08
28 46 13 31-1194 EA 18 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12180-BP) .....	355.36	26.08
28 46 13 31-1195 EA 26 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12260-BP) .....	497.33	26.08
28 46 13 31-1196 EA 55 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-12550) .....	496.13	26.08
28 46 13 31-1197 EA 100 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-121000) .....	790.67	26.08
<b>28 46 13 31-1198 Battery Backboxes And Miscellaneous Mechanicals</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1199 EA 14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Backbox (Notifier BB-17).....	153.80	20.86
28 46 13 31-1200 EA 24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25) .....	259.01	20.86
Note: XP6 modules require a CHS-6.		

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1201	EA		15.6" x 15.5" x 5.152", Mounts Up To Two 26 Ampere Hours And Charger, Battery Backbox (Notifier BB-26).....	398.74	104.31
28 46 13 31-1202	EA		Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH).....	194.84	52.15
28 46 13 31-1203	EA		Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH1).....	110.74	13.04
28 46 13 31-1204	EA		Battery Bracket For Two 26 Ampere Hours Batteries (Notifier SEISKIT-BB25).....	309.81	20.86
28 46 13 31-1205	EA		Two 26 Ampere Hours Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB).....	206.16	20.86
28 46 13 31-1206	EA		Two 12 Ampere Hours Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA).....	229.16	20.86
28 46 13 31-1207	EA		Two 55 Ampere Hours Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB).....	244.33	20.86
28 46 13 31-1208	EA		Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For FIREVOICE 25/50 Series (Notifier SEISKIT-2550).....	363.74	20.86
28 46 13 31-1209	EA		Two 26 Ampere Hour Battery Bracket Seismic Kit For NFS-320 And BB-26 Series (Notifier SEISKIT-320/B26).....	214.97	20.86
28 46 13 31-1210	EA		Two 100 Ampere Hour Battery Bracket Seismic Kit For BB-100 And BB-200 Series (Notifier SEISKIT-BB100).....	305.01	20.86
			Note: Two kits are required for the BB-200		
28 46 13 31-1211	EA		Two 18 Ampere Hour Battery Bracket Seismic Kit For BB-17 Series (Notifier SEISKIT-BB17).....	263.90	20.86
			Note: Two kits are required for the BB-200		
28 46 13 31-1212	EA		Two 26 Ampere Hour Battery Bracket Seismic Kit For BB-25 Series (Notifier SEISKIT-BB25).....	269.78	20.86
			Note: Two kits are required for the BB-200		
28 46 13 31-1213	EA		Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For SFP-5UD, SFP-10UD, Firewarden 100-2, RP-2001, And RP-2002 Series (Notifier SEISKIT-COMMENC).....	235.52	20.86
			Note: Two kits are required for the BB-200		
28 46 13 31-1214	EA		Two 7 Or 12 Ampere Hour Battery Bracket Seismic Kit For FCPS-24S6/8, CAB-PS1, SFP-2402 And SFP-2404 Series (Notifier SEISKIT-PS/2/4).....	220.84	20.86
			Note: Two kits are required for the BB-200		
<b>28 46 13 31-1215</b>			<b>Power Supplies And Chargers</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1216	EA		120 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610).....	1,090.58	39.12
28 46 13 31-1217	EA		220/240 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610E).....	1,143.47	39.12
28 46 13 31-1218	EA		Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24).....	1,530.88	26.08
28 46 13 31-1219	EA		6A Auxiliary Power Supply (Notifier APS-6R).....	948.89	26.08
28 46 13 31-1220	EA		10 Amperes Battery Charger (Notifier BC10A).....	1,011.95	39.12
28 46 13 31-1221	EA		33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100).....	554.90	31.29
			Note: Holds four 55 ampere hour or two 100 ampere hour batteries		
28 46 13 31-1222	EA		Red, 33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100R).....	561.75	31.29
			Note: Holds four 55 ampere hour or two 100 ampere hour batteries		
28 46 13 31-1223	EA		30.34" x 36.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS2-3030 (Notifier BB-200).....	646.64	31.29
			Note: Holds four 55 ampere hour or four 100 ampere hour batteries		
28 46 13 31-1224	EA		30.34" x 36.5" x 7.5", Holds Four 55 Ampere Hours Or Four 100 Ampere Hours Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R).....	646.64	31.29
28 46 13 31-1225	EA		15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1).....	193.09	26.08
28 46 13 31-1226	EA		25 To 120 Ampere Hours Battery Charger (Notifier CHG-120).....	1,179.55	26.08
28 46 13 31-1227	EA		Mounts XPIQ-Ps And/Or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS).....	86.76	13.04
28 46 13 31-1228	EA		Door Used For Mounting ACPS-610 (E) In A CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1).....	137.17	13.04
28 46 13 31-1229	EA		8 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8).....	781.29	26.08
28 46 13 31-1230	EA		8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8E).....	664.84	78.23
28 46 13 31-1231	EA		Red, 8 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8R).....	637.66	78.23
28 46 13 31-1232	EA		8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8).....	732.43	78.23
28 46 13 31-1233	EA		8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8E).....	726.55	78.23
28 46 13 31-1234	EA		Chassis Mounted, 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CM).....	692.40	39.12
28 46 13 31-1235	EA		Chassis Mounted, 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CME).....	692.40	39.12
28 46 13 31-1236	EA		12 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12).....	854.76	39.12
28 46 13 31-1237	EA		12 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12E).....	817.29	39.12
28 46 13 31-1238	EA		12 Amperes, 24 Volt DC, 120 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CM).....	867.24	78.23
28 46 13 31-1239	EA		12 Amperes, 24 Volt DC, 220 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CME).....	867.24	78.23
28 46 13 31-1240	EA		6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6).....	624.43	78.23
28 46 13 31-1241	EA		6 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6E).....	624.43	78.23
28 46 13 31-1242	EA		8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8).....	671.45	78.23
28 46 13 31-1243	EA		8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8E).....	671.45	78.23
28 46 13 31-1244	EA		6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA).....	545.82	78.23
28 46 13 31-1245	EA		9 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA).....	637.66	78.23
28 46 13 31-1246	EA		Class A Adapter HPFF8/HPFF12 (Notifier HPP31076).....	135.54	13.04
28 46 13 31-1247	EA		Up To 3 Amperes, Main Power Supply And Charger (Notifier MPS-24A).....	1,382.39	26.08
28 46 13 31-1248	EA		Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4).....	191.13	26.08
28 46 13 31-1249	EA		240 Volt AC Addressable Power Supply (Notifier AMPS-24E).....	1,514.39	26.08
28 46 13 31-1250	EA		6 Amperes, 120 Volt AC Auxiliary Power Supply (Notifier APS2-6R).....	645.74	78.23
28 46 13 31-1251	EA		6 Amperes, 220-240 Volt AC Auxiliary Power Supply (Notifier APS2-6RE).....	671.45	78.23
28 46 13 31-1252	EA		25 To 75 Ampere Hour Sealed Lead Acid Battery Charger (Notifier CHG-75).....	592.85	26.08
28 46 13 31-1253	EA		6 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6E).....	623.70	78.23
28 46 13 31-1254	EA		6 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6R).....	609.74	78.23
<b>28 46 13 31-1255</b>			<b>Network Control Annunciators</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1256	EA		Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2).....	2,141.74	78.23
28 46 13 31-1257	EA		Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO).....	80.62	15.65
28 46 13 31-1258	EA		Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit).....	57.76	15.65
<b>28 46 13 31-1259</b>			<b>FIRSTVISION Firefighter's Display</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1260	EA		ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD).....	16,524.62	521.56



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>28 46 13 31-1261</b>				<b>FlashScan Addressable Modules</b> <small>(28 46 13 31-0973)</small>		
	28 46 13 31-1262	EA		Intelligent Addressable Control Module (Notifier FCM-1).....	183.30	26.08
	28 46 13 31-1263	EA		Addressable Dual Monitor Module (Notifier FDM-1).....	204.96	26.08
	28 46 13 31-1264	EA		Intelligent Addressable Monitor Module (Notifier FMM-1).....	152.02	26.08
	28 46 13 31-1265	EA		Intelligent Addressable Miniature Monitor Module (Notifier FMM-101).....	135.17	26.08
	28 46 13 31-1266	EA		Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20).....	280.76	26.08
	28 46 13 31-1267	EA		Intelligent Addressable Relay Module (Notifier FRM-1).....	161.03	26.08
	28 46 13 31-1268	EA		Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1).....	231.43	26.08
	28 46 13 31-1269	EA		SLC Loop Powered Fault Isolator Module (Notifier ISO-X).....	149.61	26.08
<b>28 46 13 31-1270</b>				<b>Addressable Device Bases And Accessories</b> <small>(28 46 13 31-0973)</small>		
	28 46 13 31-1271	EA		Intelligent Detector Base With Flange (Notifier B71LPL).....	55.81	13.04
	28 46 13 31-1272	EA		Weatherproof Device Housing (Notifier DH400OE-1).....	474.47	26.08
	28 46 13 31-1273	EA		Detector Base For All Wireless Smoke And Heat Detectors (Notifier B210W).....	51.04	13.04
	28 46 13 31-1274	EA		Swift AV Base Ceiling (Notifier WAV-CRL).....	279.57	13.04
	28 46 13 31-1275	EA		Swift AV Base Wall (Notifier WAV-RL).....	279.57	13.04
<b>28 46 13 31-1276</b>				<b>XP6/XP10 Transponder</b> <small>(28 46 13 31-0973)</small>		
	28 46 13 31-1277	EA		Synchronization Daughter Module For XP6-C (Notifier SYNC-1).....	134.57	26.08
	28 46 13 31-1278	EA		Six Circuit Supervised Control Module (Notifier XP6-C).....	682.63	26.08
	28 46 13 31-1279	EA		Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA).....	827.01	26.08
	28 46 13 31-1280	EA		Six Relay Control Module (Notifier XP6-R).....	656.16	26.08
	28 46 13 31-1281	EA		Ten Input Monitor Module (Notifier XP10-M).....	790.91	26.08
<b>28 46 13 31-1282</b>				<b>LCD Display Annunciators</b> <small>(28 46 13 31-0973)</small>		
	28 46 13 31-1283	EA		80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80).....	872.36	78.23
	28 46 13 31-1284	EA		80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80).....	1,227.31	78.23
	28 46 13 31-1285	EA		640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160).....	1,270.62	78.23
	28 46 13 31-1286	EA		8 To 16 Switch Smoke Control Expander (Notifier SCE-8).....	799.91	26.08
	28 46 13 31-1287	EA		8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L).....	423.09	26.08
	28 46 13 31-1288	EA		Eight Switch Smoke Control Master Module (Notifier SCS-8).....	1,036.76	26.08
	28 46 13 31-1289	EA		White, 80 Character Display, Remote LCD Annunciator (Notifier N-ANN-80-W).....	456.20	78.23
<b>28 46 13 31-1290</b>				<b>ONYX ACM And AEM Series LED Annunciators</b> <small>(28 46 13 31-0973)</small>		
	28 46 13 31-1291	EA		Remote, Eight Form C Relay Module (Notifier ACM-8R).....	457.35	26.08
	28 46 13 31-1292	EA		16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT).....	905.22	26.08
	28 46 13 31-1293	EA		16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT).....	692.25	26.08
	28 46 13 31-1294	EA		24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT).....	905.22	26.08
	28 46 13 31-1295	EA		24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT).....	692.25	26.08
	28 46 13 31-1296	EA		32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A).....	692.25	26.08
	28 46 13 31-1297	EA		32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A).....	620.06	26.08
	28 46 13 31-1298	EA		48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A).....	692.25	26.08
	28 46 13 31-1299	EA		48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A).....	620.06	26.08
<b>28 46 13 31-1300</b>				<b>Graphic Annunciator - Lamp Driver Modules</b> <small>(28 46 13 31-0973)</small>		
	28 46 13 31-1301	EA		Single Annunciator Flush Mounted Backbox (Notifier ABF-1B).....	279.98	52.15
	28 46 13 31-1302	EA		Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB).....	305.24	52.15
	28 46 13 31-1303	EA		Two Annunciator Flush Mounted Backbox (Notifier ABF-2B).....	350.57	65.20
	28 46 13 31-1304	EA		Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB).....	383.05	65.20
	28 46 13 31-1305	EA		Four Annunciator Flush Mounted Backbox (Notifier ABF-4B).....	618.11	91.27
	28 46 13 31-1306	EA		Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1).....	110.10	15.65
	28 46 13 31-1307	EA		Single Annunciator Surface Mounted Backbox (Notifier ABS-1B).....	177.10	52.15
	28 46 13 31-1308	EA		Single Annunciator Surface Mounted Backbox With Trim (Notifier ABS-1TB).....	189.33	13.04
	28 46 13 31-1309	EA		Two Annunciator Surface Mounted Backbox (Notifier ABS-2B).....	223.43	52.15
	28 46 13 31-1310	EA		12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D).....	399.90	65.20
	28 46 13 31-1311	EA		Red, Surface (Or Semi-Flush) Mounted Backbox For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR).....	361.56	13.04
	28 46 13 31-1312	EA		Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D).....	650.59	91.27
	28 46 13 31-1313	EA		Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4DR).....	613.89	15.65
	28 46 13 31-1314	EA		Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Backbox (Notifier ABS-8RB).....	225.94	20.86
	28 46 13 31-1315	EA		Annunciator Key Switch (Notifier AKS-1B).....	99.09	7.82
	28 46 13 31-1316	EA		Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D).....	103.29	26.08
	28 46 13 31-1317	EA		32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32).....	620.06	26.08
	28 46 13 31-1318	EA		24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24).....	174.37	5.21
	28 46 13 31-1319	EA		48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48).....	218.41	5.21
	28 46 13 31-1320	EA		32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32).....	510.57	26.08
	28 46 13 31-1321	EA		Lamp Driver Module (Notifier LDM-R32).....	849.82	26.08
	28 46 13 31-1322	EA		Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L).....	788.16	26.08
	28 46 13 31-1323	EA		48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48).....	224.28	5.21
	28 46 13 31-1324	EA		Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D).....	201.10	15.65
	28 46 13 31-1325	EA		Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D).....	134.63	15.65
	28 46 13 31-1326	EA		Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR).....	134.63	15.65
	28 46 13 31-1327	EA		Graphic Annunciator Dress Plate (Notifier DP-GDIS1).....	192.29	15.65

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1328	EA		Graphic Annunciator Dress Plate (Notifier DP-GDIS2) .....	192.29	15.65
28 46 13 31-1329	EA		Input/Output Module For Driving Graphic Annunciators Or Relays (Notifier N-ANN-RLED) .....	526.00	26.08
<b>28 46 13 31-1330</b>			<b>Network Gateways</b> (28 46 13 31-0973)		
28 46 13 31-1331	EA		Common Alerting Protocol Gateway (Notifier CAP-GW).....	2,329.57	26.08
28 46 13 31-1332	EA		Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF) .....	1,735.97	26.08
28 46 13 31-1333	EA		Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF) .....	1,954.89	26.08
28 46 13 31-1334	EA		Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF).....	2,153.25	26.08
28 46 13 31-1335	EA		Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W).....	1,751.40	26.08
28 46 13 31-1336	EA		Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF) .....	1,704.38	26.08
28 46 13 31-1337	EA		Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF) .....	1,918.16	26.08
28 46 13 31-1338	EA		Modbus Gateway (Notifier MODBUS-GW) .....	1,910.81	26.08
28 46 13 31-1339	EA		22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW) .....	2,214.03	17.21
28 46 13 31-1340	EA		Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS) .....	3,286.62	17.21
28 46 13 31-1341	EA		1920x1080P Wide Screen (Notifier MON-42LCDW).....	10,390.68	17.21
28 46 13 31-1342	EA		Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD).....	737.21	39.12
28 46 13 31-1343	EA		Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD) .....	1,373.72	39.12
28 46 13 31-1344	EA		Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD) .....	2,017.73	39.12
28 46 13 31-1345	EA		Mass Notification Voice Paging (Notifier NOTIFY-IP) .....	869.83	
28 46 13 31-1346	EA		Embedded NFN Gateway (Notifier NFN-GW-EM) .....	2,627.00	26.08
28 46 13 31-1347	EA		NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F).....	2,627.00	26.08
28 46 13 31-1348	EA		High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF) .....	2,645.46	26.08
28 46 13 31-1349	EA		High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF) .....	3,078.91	26.08
28 46 13 31-1350	EA		High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW).....	2,645.46	26.08
28 46 13 31-1351	EA		NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W).....	2,627.00	26.08
28 46 13 31-1352	EA		Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER) .....	1,572.56	
28 46 13 31-1353	EA		ONYXWorks Workstation (Notifier ONYXWORKS-WS) .....	20,002.83	625.87
28 46 13 31-1354	EA		Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW).....	6,199.35	
			Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 46 13 31-1355	EA		Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF).....	6,199.35	
			Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 46 13 31-1356	EA		Fiber Optics, Standard Network Repeater Board (Notifier RPT-F).....	816.19	26.08
28 46 13 31-1357	EA		Wire, Standard Network Repeater Board (Notifier RPT-W) .....	667.05	26.08
28 46 13 31-1358	EA		Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF).....	791.21	26.08
28 46 13 31-1359	EA		Signaling Line Circuit Integration Module (Notifier SLC-IM).....	881.57	26.08
28 46 13 31-1360	EA		VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW) .....	1,822.66	26.08
28 46 13 31-1361	EA		Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS) .....	2,688.07	26.08
28 46 13 31-1362	EA		Windows Hard Drive Upgrade (Notifier WIN7-UG-US-3) .....	2,995.36	
28 46 13 31-1363	EA		Intuitive Color 10" Touch Screen Providing Color Coded Information Of Detailed System Status (Notifier NCD) .....	1,131.15	17.21
28 46 13 31-1364	EA		SWIFT Wireless Gateway With Flashscan (Notifier FWGS).....	401.14	26.08
<b>28 46 13 31-1365</b>			<b>NOTI-FIRE-NET Network Components</b> (28 46 13 31-0973)		
28 46 13 31-1366	EA		Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3).....	2,627.00	26.08
28 46 13 31-1367	EA		Fiber Optic Network Communications Module (Notifier NCM-F).....	1,167.52	26.08
28 46 13 31-1368	EA		NOTI-FIRE-NET Web Server (Notifier NWS).....	2,627.00	26.08
28 46 13 31-1369	EA		Wired Network Communications Module (Notifier NCM-W).....	1,112.17	26.08
28 46 13 31-1370	EA		Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit).....	123.11	13.04
<b>28 46 13 31-1371</b>			<b>FireWarden Addressable Fire Panels</b> (28 46 13 31-0973)		
28 46 13 31-1372	EA		50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50) .....	2,192.17	521.56
28 46 13 31-1373	EA		Black, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100) .....	2,619.30	521.56
28 46 13 31-1374	EA		Black, One DC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C).....	2,296.42	260.78
28 46 13 31-1375	EA		Black, One SLC Loop, 240 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E).....	2,296.42	260.78
28 46 13 31-1376	EA		Red, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R).....	2,287.61	260.78
28 46 13 31-1377	EA		Black, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, Built In Annunciator, 50 Point Addressable Fire Alarm Control Panel (Notifier NFW-50C) .....	2,588.81	521.56
28 46 13 31-1378	EA		Red, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, 50 Point Addressable Fire Alarm Control Panel (NFW-50R) .....	1,930.57	521.56
<b>28 46 13 31-1379</b>			<b>FireWarden Accessories</b> (28 46 13 31-0973)		
28 46 13 31-1380	EA		Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100).....	193.72	39.12
28 46 13 31-1381	EA		Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T) .....	183.93	39.12



			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>28 46 13 31-1382 FireWarden Devices</b> <small>(28 46 13 31-0973)</small>					
28 46 13 31-1383	EA		SLC Loop Powered Fault Isolator Module (Notifier N100-ISO).....	148.41	26.08
28 46 13 31-1384	EA		Intelligent Addressable Control Module (Notifier NC-100) .....	177.28	26.08
28 46 13 31-1385	EA		Intelligent Addressable Relay Module (Notifier NC-100R) .....	170.06	26.08
28 46 13 31-1386	EA		Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100) .....	436.61	39.12
28 46 13 31-1387	EA		Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R) .....	530.51	39.12
28 46 13 31-1388	EA		Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100) .....	170.06	26.08
28 46 13 31-1389	EA		Intelligent Addressable Thermal Detector With Base (Notifier NH-100).....	172.08	39.12
28 46 13 31-1390	EA		Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H) .....	172.08	39.12
28 46 13 31-1391	EA		Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R) .....	172.08	39.12
28 46 13 31-1392	EA		Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100).....	234.65	39.12
28 46 13 31-1393	EA		Intelligent Addressable Monitor Module (Notifier NMM-100) .....	146.00	26.08
28 46 13 31-1394	EA		Intelligent Addressable Mini Monitor Module (Notifier NMM-100P).....	132.16	26.08
28 46 13 31-1395	EA		Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX).....	199.54	26.08
28 46 13 31-1396	EA		Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100) .....	180.50	39.12
28 46 13 31-1397	EA		Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100) .....	224.21	26.08
28 46 13 31-1398	EA		Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6) .....	807.76	26.08
<b>28 46 13 31-1399 SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories</b> <small>(28 46 13 31-0973)</small>					
28 46 13 31-1400	EA		120 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402) .....	1,436.09	417.24
28 46 13 31-1401	EA		120 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404) .....	1,591.30	417.24
28 46 13 31-1402	EA		240 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402E).....	972.64	130.38
28 46 13 31-1403	EA		240 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404E) .....	1,089.44	130.38
28 46 13 31-1404	EA		Class A Converter Module (Notifier CAC-4).....	378.07	26.08
28 46 13 31-1405	EA		Internal Dress Plate, Required For FM And ULC (Notifier DP-4X).....	137.24	15.65
28 46 13 31-1406	EA		Remote Zone Annunciator (Notifier RZA-4X).....	198.61	39.12
28 46 13 31-1407	EA		Red, Dress Panel (Notifier DP-51050).....	165.87	15.65
28 46 13 31-1408	EA		Black, Dress Panel (Notifier DP-51050B) .....	167.82	15.65
<b>28 46 13 31-1409 SFP-5UD 5 Zone Control Panels And Accessories</b> <small>(28 46 13 31-0973)</small>					
28 46 13 31-1410	EA		120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD).....	2,240.29	521.56
28 46 13 31-1411	EA		120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC) .....	3,841.14	391.16
28 46 13 31-1412	EA		240 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE) .....	2,533.30	260.78
28 46 13 31-1413	EA		Red, 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR).....	2,533.30	260.78
28 46 13 31-1414	EA		Class A Converter Module (Notifier N-CAC-5X) .....	391.77	26.08
28 46 13 31-1415	EA		Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE) .....	148.74	15.65
28 46 13 31-1416	EA		Five Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-5UDC) .....	2,917.16	391.16
Note: Includes internal dress panel with built-in annunciator module					
28 46 13 31-1417	EA		240 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDE).....	1,933.51	260.78
28 46 13 31-1418	EA		Red, 120 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDR) .....	1,918.08	260.78
<b>28 46 13 31-1419 SFP-10UD 10 Zone Control Panels And Accessories</b> <small>(28 46 13 31-0973)</small>					
28 46 13 31-1420	EA		120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC).....	4,654.74	521.56
28 46 13 31-1421	EA		240 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE) .....	3,480.20	391.16
28 46 13 31-1422	EA		120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD) .....	2,577.19	521.56
28 46 13 31-1423	EA		Red, 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR).....	4,001.75	521.56
28 46 13 31-1424	EA		Four Channel, Dual Line, Stand Alone Fire Alarm Communicator (Fire-Lite 411UDAC) .....	671.43	78.23
28 46 13 31-1425	EA		10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-10UDC) .....	3,615.76	521.56
Note: Includes internal dress panel with built-in annunciator module					
28 46 13 31-1426	EA		240 Volt AC, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDE).....	2,698.97	391.16
28 46 13 31-1427	EA		Red, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDR) .....	3,202.15	521.56
<b>28 46 13 31-1428 Smoke Detectors</b> <small>(28 46 13 31-0973)</small>					
28 46 13 31-1429	EA		Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851).....	251.49	39.12
28 46 13 31-1430	EA		Intelligent Addressable Laser Smoke Detector (Notifier FSL-751).....	427.16	39.12
28 46 13 31-1431	EA		Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D).....	1,330.22	39.12
28 46 13 31-1432	EA		Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R).....	173.17	39.12
Note: For use with DNR(W) duct detector housing.					
28 46 13 31-1433	EA		Filters For Harsh Detector (Notifier RF-FTX) .....	21.03	
28 46 13 31-1434	EA		Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY) .....	151.71	26.08
28 46 13 31-1435	EA		Addressable Beam Detector With Reflector, UL Listed (Notifier FS-OSI-RI) .....	1,287.46	39.12
28 46 13 31-1436	EA		Intelligent Addressable Photo Detector With Flashscan, White (Notifier FSP-951) .....	180.26	39.12
28 46 13 31-1437	EA		Intelligent Addressable Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951-IV).....	196.41	39.12
28 46 13 31-1438	EA		Remote Test Capable Intelligent Photo Detector With Flashscan, White (Notifier FSP-951R).....	188.34	39.12
28 46 13 31-1439	EA		Remote Test Capable Intelligent Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951R-IV) .....	203.02	39.12
28 46 13 31-1440	EA		Intelligent Addressable Photo/Thermal Detector With Flashscan, White (Notifier FSP-951T).....	189.32	39.12
28 46 13 31-1441	EA		Intelligent Addressable Photo/Thermal Detector With Flashscan, Ivory (Notifier FSP-951T-IV).....	204.00	39.12

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1442	EA		Intelligent Addressable 135 Degree Thermal Detector With Flashscan, White (Notifier FST-951) .....	154.57	39.12
28 46 13 31-1443	EA		Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan (Notifier FST-951H).....	154.57	39.12
28 46 13 31-1444	EA		Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan And Clip, Ivory (Notifier FST-951H-IV) .....	168.27	39.12
28 46 13 31-1445	EA		Intelligent Addressable 135 Degree Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951-IV).....	168.27	39.12
28 46 13 31-1446	EA		Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan, White (Notifier FST-951R) .....	154.57	39.12
28 46 13 31-1447	EA		Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951R-IV).....	168.27	39.12
28 46 13 31-1448	EA		Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, White (Notifier FSV-951R) .....	409.04	39.12
28 46 13 31-1449	EA		Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, Ivory (Notifier FSV-951R-IV) .....	438.41	39.12
28 46 13 31-1450	EA		Wireless Photo-Heat Detector, Acclimate, With Flashscan (Notifier FWD-200ACCLIMATE) .....	408.07	39.12
			Note: Requires B210W base, ordered separately		
28 46 13 31-1451	EA		Wireless Photo Detector With Flashscan (Notifier FWD-200P).....	375.77	39.12
			Note: Requires B210W base, ordered separately		
28 46 13 31-1452	EA		Wireless Fixed Temp Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200FIX135).....	341.51	39.12
			Note: Requires B210W base, ordered separately		
28 46 13 31-1453	EA		Wireless ROR Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200ROR135) .....	341.51	39.12
			Note: Requires B210W base, ordered separately		
28 46 13 31-1454	EA		Intelligent Addressable Carbon Monoxide Detector With Flashscan (Notifier FPC-951).....	249.51	39.12
28 46 13 31-1455	EA		Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-250) .....	1,971.42	39.12
			Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.		
28 46 13 31-1456	EA		Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-500) .....	2,412.29	39.12
			Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.		
<b>28 46 13 31-1457</b>			<b>Pull Stations</b> (28 46 13 31-0973)		
28 46 13 31-1458	EA		Trim Ring For NBG12 Series Pull Station (Notifier BG12TR) .....	30.79	5.21
28 46 13 31-1459	EA		One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2).....	80.00	13.04
28 46 13 31-1460	EA		Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2R) .....	66.80	13.04
28 46 13 31-1461	EA		Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1) .....	103.82	26.08
28 46 13 31-1462	EA		DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F).....	115.05	26.08
28 46 13 31-1463	EA		Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS).....	159.23	26.08
28 46 13 31-1464	EA		Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R).....	103.82	26.08
28 46 13 31-1465	EA		Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS) .....	120.29	26.08
28 46 13 31-1466	EA		Standard Local Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL) .....	120.29	26.08
28 46 13 31-1467	EA		Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR) .....	120.29	26.08
28 46 13 31-1468	EA		Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1) .....	113.55	26.08
28 46 13 31-1469	EA		Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R).....	123.29	26.08
28 46 13 31-1470	EA		Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL).....	662.06	31.29
28 46 13 31-1471	EA		Red, Single Action Fire Alarm Pull Station (Notifier NBG-12S).....	88.46	26.08
28 46 13 31-1472	EA		Red, Dual Action Fire Alarm Pull Station (Notifier NBG-12).....	92.67	26.08
28 46 13 31-1473	EA		Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L) .....	101.78	26.08
28 46 13 31-1474	EA		Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB).....	237.05	31.29
28 46 13 31-1475	EA		Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS).....	139.01	26.08
28 46 13 31-1476	EA		Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR) .....	116.75	26.08
28 46 13 31-1477	EA		Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX) .....	200.75	26.08
28 46 13 31-1478	EA		Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE).....	59.85	5.21
28 46 13 31-1479	EA		Dual Action, Wireless Pull Station (Notifier NBG-12WL).....	400.26	31.29
<b>28 46 13 31-1480</b>			<b>Rate Compensation Heat Detectors</b> (28 46 13 31-0973)		
28 46 13 31-1481	EA		135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135).....	184.11	39.12
28 46 13 31-1482	EA		194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194).....	184.11	39.12
<b>28 46 13 31-1483</b>			<b>FM Series Door Releases</b> (28 46 13 31-0973)		
28 46 13 31-1484	EA		1/2" Door Holder Spacer (Notifier FM900-50).....	30.09	7.82
28 46 13 31-1485	EA		3/4" Door Holder Spacer (Notifier FM900-75) .....	30.09	7.82
28 46 13 31-1486	EA		1" Door Holder Spacer (Notifier FM900-100) .....	30.09	7.82
28 46 13 31-1487	EA		Door Holder Extension Kit (Notifier FM900) .....	31.89	7.82
28 46 13 31-1488	EA		90 Degree Door Holder Extension Kit (Notifier FM900-Z) .....	32.49	7.82
28 46 13 31-1489	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mounted, Door Holder (Notifier FM980) .....	223.82	39.12
28 46 13 31-1490	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mounted, Door Holder (Notifier FM996) .....	193.74	39.12
28 46 13 31-1491	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mounted, Concealed Wiring, Door Holder (Notifier FM998) .....	193.74	39.12
<b>28 46 13 31-1492</b>			<b>Multicriteria Fire Detector</b> (28 46 13 31-0973)		
28 46 13 31-1493	EA		Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851) .....	298.45	39.12
28 46 13 31-1494	EA		Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851) .....	297.47	39.12
			Note: Detects fire, thermal, photo, CO and IR, with Flashscan.		
28 46 13 31-1495	EA		Multi-Criteria Photo/Temp/Infrared Detector, White (Notifier FPTI-951).....	193.72	39.12
28 46 13 31-1496	EA		Multi-Criteria Photo/Temp/Infrared Detector, Ivory (Notifier FPTI-951-IV) .....	200.57	39.12
28 46 13 31-1497	EA		Intelligent Addressable Combination Multi-Criteria Photoelectric And Carbon Monoxide Detector With Flashscan (Notifier FSCO-951).....	298.45	39.12
<b>28 46 13 31-1498</b>			<b>Modules</b> (28 46 13 31-0973)		
28 46 13 31-1499	EA		Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1) .....	356.54	26.08
28 46 13 31-1500	EA		Addressable Firephone Control Module (Notifier FTM-1) .....	220.49	26.08



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1501	EA			Wireless Monitor Module With Flashscan (Notifier FW-MM).....	344.79	26.08
28 46 13 31-1502	EA			Wireless Relay Module With Flashscan (Notifier FW-RM).....	398.62	26.08
28 46 13 31-1503	EA			Wireless Sync Module (Notifier W-SYNC).....	318.83	26.08
<b>28 46 13 31-1504 DH Series Door Releases <small>(28 46 13 31-0973)</small></b>						
28 46 13 31-1505	EA			Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC).....	183.69	39.12
28 46 13 31-1506	EA			Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB).....	195.68	39.12
28 46 13 31-1507	EA			Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD).....	206.93	39.12
28 46 13 31-1508	EA			Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC).....	204.00	39.12
28 46 13 31-1509	EA			Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB).....	213.79	39.12
28 46 13 31-1510	EA			Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD).....	222.10	39.12
28 46 13 31-1511	EA			Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC).....	183.69	39.12
28 46 13 31-1512	EA			Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB).....	194.21	39.12
28 46 13 31-1513	EA			Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD).....	206.93	39.12
28 46 13 31-1514	EA			Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1).....	233.85	39.12
28 46 13 31-1515	EA			Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1).....	249.51	39.12
28 46 13 31-1516	EA			Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1).....	267.62	39.12
28 46 13 31-1517	EA			Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2).....	272.02	39.12
28 46 13 31-1518	EA			Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2).....	290.62	39.12
28 46 13 31-1519	EA			Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2).....	313.13	39.12
28 46 13 31-1520	EA			0.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC).....	21.15	5.21
28 46 13 31-1521	EA			0.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B).....	21.15	5.21
28 46 13 31-1522	EA			0.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D).....	23.15	5.21
28 46 13 31-1523	EA			1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC).....	21.15	5.21
28 46 13 31-1524	EA			1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B).....	21.15	5.21
28 46 13 31-1525	EA			1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D).....	23.15	5.21
28 46 13 31-1526	EA			1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC).....	22.17	5.21
28 46 13 31-1527	EA			1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC).....	22.17	5.21
28 46 13 31-1528	EA			1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B).....	23.15	5.21
28 46 13 31-1529	EA			1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D).....	24.28	5.21
28 46 13 31-1530	EA			2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC).....	24.28	5.21
28 46 13 31-1531	EA			2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC).....	24.28	5.21
28 46 13 31-1532	EA			2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B).....	25.31	5.21
28 46 13 31-1533	EA			2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D).....	25.31	5.21
28 46 13 31-1534	EA			3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC).....	25.31	5.21
28 46 13 31-1535	EA			3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B).....	26.43	5.21
28 46 13 31-1536	EA			3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D).....	26.43	5.21
28 46 13 31-1537	EA			4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC).....	27.46	5.21
28 46 13 31-1538	EA			4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC).....	27.46	5.21
28 46 13 31-1539	EA			4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB).....	28.59	5.21
28 46 13 31-1540	EA			4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD).....	31.77	5.21
28 46 13 31-1541	EA			5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC).....	30.69	5.21
28 46 13 31-1542	EA			5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B).....	29.61	5.21
28 46 13 31-1543	EA			5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D).....	31.77	5.21
28 46 13 31-1544	EA			Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCP).....	29.50	7.82
28 46 13 31-1545	EA			Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB).....	30.53	7.82
28 46 13 31-1546	EA			Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD).....	33.81	7.82
28 46 13 31-1547	EA			Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC).....	55.09	7.82
28 46 13 31-1548	EA			Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB).....	58.23	7.82
28 46 13 31-1549	EA			Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD).....	61.36	7.82
28 46 13 31-1550	EA			Surface Mounted Backbox, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC).....	50.55	13.04
28 46 13 31-1551	EA			Surface Mounted Backbox, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB).....	52.70	13.04
28 46 13 31-1552	EA			Surface Mounted Backbox, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD).....	57.01	13.04
28 46 13 31-1553	EA			Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF).....	302.43	
<b>28 46 13 31-1554 First Command <small>(28 46 13 31-0973)</small></b>						
28 46 13 31-1555	EA			Black, 120 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100).....	5,010.09	651.94
28 46 13 31-1556	EA			Black, 220-240 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E).....	5,054.16	651.94
28 46 13 31-1557	EA			Black, 120 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS, Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA).....	1,280.48	52.15
28 46 13 31-1558	EA			Black, 220-240 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS, Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE).....	1,313.54	52.15
28 46 13 31-1559	EA			Black, 120 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA).....	2,309.73	52.15
28 46 13 31-1560	EA			Black, 220-240 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE).....	2,383.19	52.15
28 46 13 31-1561	EA			50 Watt, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt).....	838.43	26.08
28 46 13 31-1562	EA			50 Watt, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt).....	838.43	26.08
28 46 13 31-1563	EA			Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4).....	447.56	26.08
28 46 13 31-1564	EA			Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6).....	484.86	26.08
28 46 13 31-1565	EA			Standalone Firefighter Telephone System (Notifier NFC-FFT).....	1,718.34	52.15

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1566 EA Local Operator Console (Notifier NFC-LOC) .....	1,683.07	52.15
Note: Includes built-in microphone, message and zone control switches, black.		
28 46 13 31-1567 EA Black, Remote Microphone (Notifier NFC-RM) .....	480.61	
28 46 13 31-1568 EA Remote Page Unit (Notifier NFC-RPU) .....	1,429.62	52.15
Note: Includes built-in microphone, message control switches, black.		
28 46 13 31-1569 EA 70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V) .....	338.92	26.08
28 46 13 31-1570 EA Firefighters Phone Jack (Notifier N-FPJ) .....	155.12	7.82
28 46 13 31-1571 EA Thumbblatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH) .....	42.66	7.82
28 46 13 31-1572 EA Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B).....	138.22	15.65
<b>28 46 13 31-1573 LED Displays</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1574 EA 2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215).....	1,320.31	31.29
28 46 13 31-1575 EA Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW) .....	1,854.68	41.73
28 46 13 31-1576 EA 4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT).....	1,875.99	41.73
28 46 13 31-1577 EA 8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8) .....	1,802.52	41.73
28 46 13 31-1578 EA 16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16) .....	2,515.13	41.73
28 46 13 31-1579 EA LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V) .....	1,912.72	41.73
<b>28 46 13 31-1580 Control Relays</b> <small>(28 46 13 31-0973)</small>		
28 46 13 31-1581 EA Single SPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-101/CR) .....	67.87	13.04
28 46 13 31-1582 EA Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T) .....	51.33	13.04
28 46 13 31-1583 EA Four Position SPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-104/CR) .....	186.73	26.08
28 46 13 31-1584 EA Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T) .....	104.62	13.04
28 46 13 31-1585 EA Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T).....	124.93	13.04
28 46 13 31-1586 EA 24 Volt DC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C).....	192.11	26.08
28 46 13 31-1587 EA 120 Volt AC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C).....	192.11	26.08
28 46 13 31-1588 EA Single DPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-201/CR) .....	97.17	26.08
28 46 13 31-1589 EA Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T) .....	55.64	13.04
28 46 13 31-1590 EA Four Position DPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-204/CR) .....	204.34	26.08
28 46 13 31-1591 EA 24 Volt DC / 24 Volt AC / 115 Volt AC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-1) .....	69.96	26.08
28 46 13 31-1592 EA 12/24 Volt DC, 7 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-2) .....	69.96	26.08
28 46 13 31-1593 EA 9 To 40 Volt DC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-4) .....	69.96	26.08
<b>28 46 13 31-1594 Gamewell-FCI Fire Control Instruments</b> <small>(28 46 13 31-0973)</small>		
<b>28 46 13 31-1595 7100 Series And NetSOLO®</b> <small>(28 46 13 31-1594)</small>		
<b>28 46 13 31-1596 7100 Compact Analog Addressable Fire Alarm Control Panels</b> <small>(28 46 13 31-1595)</small>		
28 46 13 31-1597 EA Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M) .....	997.12	312.93
28 46 13 31-1598 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2) .....	4,362.41	521.56
28 46 13 31-1599 EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D).....	4,794.53	521.56
28 46 13 31-1600 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E).....	4,362.41	521.56
28 46 13 31-1601 EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E).....	4,794.53	521.56
28 46 13 31-1602 EA Removal And Replacement Of Board For 7100-1D (Gamewell-FCI BSM-7100-1).....	1,435.64	
28 46 13 31-1603 EA Removal And Replacement Of Board For 7100-2 (Gamewell-FCI BSM-7100-1D).....	1,724.73	
28 46 13 31-1604 EA Analog Loop Unit (Gamewell-FCI ALU) .....	1,724.73	52.15
<b>28 46 13 31-1605 NetSOLO® Intelligent Network</b> <small>(28 46 13 31-1595)</small>		
28 46 13 31-1606 EA Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO) .....	1,914.92	52.15
Note: Mounted in 7100 panel.		
28 46 13 31-1607 EA Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP) .....	1,517.80	52.15
Note: Mounted in 7100 panel.		
<b>28 46 13 31-1608 Components And Accessories</b> <small>(28 46 13 31-1595)</small>		
28 46 13 31-1609 EA Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100).....	939.41	39.12
28 46 13 31-1610 EA Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100) .....	706.83	52.15
28 46 13 31-1611 EA Fiber Optic Line Driver Module (Gamewell-FCI FLD-1) .....	1,310.88	52.15
28 46 13 31-1612 EA Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM).....	518.16	52.15
28 46 13 31-1613 EA Enclosure Box (Gamewell-FCI EN-7100) .....	401.86	104.31
28 46 13 31-1614 EA Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2).....	1,378.92	26.08
<b>28 46 13 31-1615 E3 Series® Basic System</b> <small>(28 46 13 31-1594)</small>		
28 46 13 31-1616 EA Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3).....	1,243.63	52.15
28 46 13 31-1617 EA Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3).....	1,064.72	52.15
28 46 13 31-1618 EA Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3) .....	1,243.63	52.15
28 46 13 31-1619 EA Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3).....	1,064.72	52.15
28 46 13 31-1620 EA LCD Keypad Display (Gamewell-FCI LCD-E3).....	795.13	52.15
28 46 13 31-1621 EA Power Supply Module (Gamewell-FCI PM-9) .....	1,046.53	52.15
28 46 13 31-1622 EA Transponder 9 Amperes Power Supply (Gamewell-FCI PM-9 INX).....	878.39	52.15
28 46 13 31-1623 EA Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A).....	877.17	26.08
28 46 13 31-1624 EA Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3) .....	491.97	52.15
28 46 13 31-1625 EA Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO).....	1,346.82	52.15





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1626 EA Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP) .....	1,125.64	52.15
28 46 13 31-1627 EA Local Operating Console (Gamewell-FCI 1100-0455) .....	750.01	39.12
28 46 13 31-1628 EA Network Graphic Annunciator (Gamewell-FCI 1100-0505) .....	2,446.00	39.12
28 46 13 31-1629 EA 70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70) .....	958.78	52.15
28 46 13 31-1630 EA INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326) .....	2,956.86	52.15
28 46 13 31-1631 EA 8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1) .....	653.13	104.31
28 46 13 31-1632 EA C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC) .....	471.88	104.31
28 46 13 31-1633 EA Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP) .....	102.50	26.08
28 46 13 31-1634 EA Programmable Switch Module (Gamewell-FCI ASM-16) .....	667.16	52.15
28 46 13 31-1635 EA LED Driver module (Gamewell-FCI ANU-48) .....	667.16	52.15
28 46 13 31-1636 EA Network Graphic Annunciator (Gamewell-FCI NGA) .....	2,048.83	39.12
<b>28 46 13 31-1637</b> <b>Addressable Devices, Module, Pulls And Accessories</b> <small>(28 46 13 31-1594)</small>		
<b>28 46 13 31-1638</b> <b>Velociti® Series Sensors And Bases</b> <small>(28 46 13 31-1637)</small>		
28 46 13 31-1639 EA Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F) .....	202.99	39.12
28 46 13 31-1640 EA Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F) .....	207.56	39.12
28 46 13 31-1641 EA Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F) .....	221.25	39.12
28 46 13 31-1642 EA Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F) .....	166.48	39.12
28 46 13 31-1643 EA Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F) .....	174.09	39.12
28 46 13 31-1644 EA Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F) .....	166.48	39.12
28 46 13 31-1645 EA Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F) .....	253.20	39.12
28 46 13 31-1646 EA Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS) .....	572.72	39.12
28 46 13 31-1647 EA Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF) .....	472.72	65.20
28 46 13 31-1648 EA Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF) .....	533.58	65.20
28 46 13 31-1649 EA Removal And Replacement Of Duct Detector Board (Gamewell-FCI ADP-F-SB) .....	247.54	
28 46 13 31-1650 EA Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF) .....	50.42	13.04
28 46 13 31-1651 EA Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F) .....	618.37	39.12
28 46 13 31-1652 EA Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF) .....	121.18	13.04
28 46 13 31-1653 EA Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F) .....	2,210.51	78.23
<b>28 46 13 31-1654</b> <b>Velociti® Series Modules And Pull Station</b> <small>(28 46 13 31-1637)</small>		
28 46 13 31-1655 EA Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2F) .....	148.77	26.08
28 46 13 31-1656 EA Dual Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2IF) .....	245.38	26.08
28 46 13 31-1657 EA Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4F) .....	163.98	26.08
28 46 13 31-1658 EA Subloop Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4SF) .....	234.73	26.08
28 46 13 31-1659 EA Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF) .....	194.41	26.08
28 46 13 31-1660 EA Addressable Output Supervised Module (Gamewell-FCI AOM-2SF) .....	202.02	26.08
28 46 13 31-1661 EA Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF) .....	277.00	52.15
28 46 13 31-1662 EA Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF) .....	208.87	26.08
28 46 13 31-1663 EA Telephone Filters (Gamewell-FCI AOM-TEL-FL) .....	33.25	5.21
<b>28 46 13 31-1664</b> <b>Components And Accessories</b> <small>(28 46 13 31-1637)</small>		
28 46 13 31-1665 EA Remote LED Annunciator Alarm (Gamewell-FCI RA400Z) .....	79.77	20.86
Note: Mounts on single gang box.		
28 46 13 31-1666 EA Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5) .....	39.88	10.43
28 46 13 31-1667 EA >2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3) .....	42.92	10.43
28 46 13 31-1668 EA >4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5) .....	51.19	13.04
28 46 13 31-1669 EA >8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10) .....	84.54	15.65
28 46 13 31-1670 EA Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451) .....	126.94	20.86
Note: Mounts on single gang box.		
<b>28 46 13 31-1671</b> <b>Fixed And Rate of Rise Heat Detectors</b> <small>(28 46 13 31-1637)</small>		
28 46 13 31-1672 EA 135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P) .....	104.10	39.12
28 46 13 31-1673 EA 194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602) .....	104.10	39.12
28 46 13 31-1674 EA 135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603) .....	101.43	39.12
28 46 13 31-1675 EA 194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604) .....	101.43	39.12
<b>28 46 13 31-1676</b> <b>NAC Expander/Power Supply</b> <small>(28 46 13 31-1637)</small>		
28 46 13 31-1677 EA FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amperes, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FFB) .....	1,929.98	417.24
28 46 13 31-1678 EA 6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6) .....	1,640.90	417.24
28 46 13 31-1679 EA 9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9) .....	1,785.44	417.24
<b>28 46 13 31-1680</b> <b>Batteries And Accessories</b> <small>(28 46 13 31-1594)</small>		
28 46 13 31-1681 EA B-17R, 12 Volt DC, 17 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A) .....	313.85	26.08
28 46 13 31-1682 EA B-55R, 12 Volt DC, 55 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A) .....	809.87	26.08
28 46 13 31-1683 EA B-7R, 12 Volt DC, 7 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A) .....	161.70	26.08
28 46 13 31-1684 EA BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653) .....	379.71	52.15
28 46 13 31-1685 EA BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654) .....	379.71	52.15
28 46 13 31-1686 EA 12" High x 12" Wide x 24" Length Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970) .....	335.58	52.15



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

28 46 13 31-1687	<b>Electronic Door Holders</b> (28 46 13 31-1594)			
	Note: Rixson products.			
28 46 13 31-1688	EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000) .....	55.16	5.21
28 46 13 31-1689	EA	FM-980, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Door Holder(Gamewell-FCI 140-90000) .....	443.39	39.12
28 46 13 31-1690	EA	FM-981, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Holder For Double Doors (Gamewell-FCI 140-90001) .....	609.24	39.12
28 46 13 31-1691	EA	FM-990, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Low Profile Mount Door Holder (Gamewell-FCI 140-90002) .....	278.16	39.12
28 46 13 31-1692	EA	FM-996, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mount Door Holder (Gamewell-FCI 140-90003) .....	264.46	39.12
28 46 13 31-1693	EA	FM-997, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder (Gamewell-FCI 140-90004) .....	278.16	39.12
28 46 13 31-1694	EA	FM-998, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder With Concealed Wiring (Gamewell-FCI 140-90005) .....	277.55	39.12
28 46 13 31-1695	<b>SpectrAlert® Advance Wall Mount 2-Wire Horn/Strobes</b> (28 46 13 31-1594)			
	See CSI section 28 46 13 31-1953 for devices.			
28 46 13 31-1696	<b>SpectrAlert® Advance Accessories</b> (28 46 13 31-1594)			
	See CSI section 28 46 13 31-1953 for backboxes, 28 46 13 31-2322 for backboxes.			
28 46 13 31-1697	<b>Fire Alarm Programming</b> (28 46 13 31-1594)			
	Note: For device replacement projects only. Tasks not to be used on projects where a fire alarm panel is replaced.			
28 46 13 31-1698	EA	Program And Test Up To 5 Fire Alarm Devices .....	500.00	
28 46 13 31-1699	EA	Program And Test >5 To 20 Fire Alarm Devices .....	1,000.00	
28 46 13 31-1700	EA	Program And Test >20 To 50 Fire Alarm Devices .....	2,000.00	
28 46 13 31-1701	<b>Fire-Lite Fire Alarm</b> (28 46 13 31-0972)			
28 46 13 31-1702	<b>Addressable Control Panels</b> (28 46 13 31-1701)			
28 46 13 31-1703	EA	25 Point Intelligent Control (Fire Lite MS-25) .....	1,918.88	521.56
28 46 13 31-1704	EA	50 Point Intelligent Control (Fire Lite MS-9050UD) .....	2,131.71	521.56
28 46 13 31-1705	EA	198-Point Intelligent Control (Fire Lite MS-9200UDLS) .....	2,981.61	521.56
28 46 13 31-1706	EA	636-Point Intelligent Control (Fire Lite MS-9600LS) .....	4,437.36	521.56
28 46 13 31-1707	EA	636-Point Intelligent Control (Fire Lite MS-9600UDLS) .....	4,234.11	521.56
28 46 13 31-1708	EA	IP And 4G Cellur Fire Alram Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G) .....	618.07	
28 46 13 31-1709	<b>Silent Knight Fire Alarm</b> (28 46 13 31-0972)			
28 46 13 31-1710	EA	Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS) .....	5,287.52	260.78
28 46 13 31-1711	EA	Supervised Remote Command Unit (Silent Knight EVS-RCU) .....	2,166.84	156.46
28 46 13 31-1712	EA	50 Watt Amplifier (Silent Knight EVS-50W) .....	1,522.54	104.31
28 46 13 31-1713	EA	125 Watt Amplifier (Silent Knight EVS-125W) .....	2,757.75	104.31
28 46 13 31-1714	EA	Voice Evacuation System (Silent Knight SKE-450) .....	2,635.33	104.31
28 46 13 31-1715	EA	Fire Fighters Telephone (Silent Knight SK-FFT) .....	2,176.22	104.31
28 46 13 31-1716	EA	Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL) .....	2,199.62	156.46
28 46 13 31-1717	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808) .....	1,642.77	104.31
28 46 13 31-1718	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700) .....	1,241.73	104.31
28 46 13 31-1719	EA	Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600) .....	1,062.54	104.31
28 46 13 31-1720	EA	Combination Fire And CO Detector (Silent Knight SK-FIRE-CO) .....	335.68	39.12
28 46 13 31-1721	EA	Photoelectric Detector (Silent Knight SK-PHOTO) .....	181.87	39.12
28 46 13 31-1722	EA	Photoelectric Thermal Detector (Silent Knight SK-PHOTO-T) .....	192.57	39.12
28 46 13 31-1723	EA	Ionization Smoke Detector (Silent Knight SK-ION) .....	193.78	39.12
28 46 13 31-1724	EA	135 Degree Fixed Temperature Detector (Silent Knight SK-HEAT) .....	166.11	39.12
28 46 13 31-1725	EA	190 Degree Fixed Temperature Detector (Silent Knight SK-HEAT-HT) .....	175.88	39.12
28 46 13 31-1726	EA	135 Degree Fixed Temperature Rate-of-Rise Detector (Silent Knight SK-HEAT-ROR) .....	179.49	39.12
28 46 13 31-1727	EA	Sounder Base (Silent Knight B200SR) .....	114.20	13.04
28 46 13 31-1728	EA	Intelligent Sounder Base (Silent Knight B200S) .....	121.36	13.04
28 46 13 31-1729	EA	Isolator Base (Silent Knight B224BI) .....	93.98	13.04
28 46 13 31-1730	EA	Relay Base (Silent Knight B224RB) .....	95.15	13.04
28 46 13 31-1731	EA	Multi-Criteria Photoelectric Detector With Thermal Sensing (Silent Knight SK-ACCLIMATE) .....	197.51	39.12
28 46 13 31-1732	EA	Photoelectric Duct Detector (Silent Knight SK-DUCT) .....	331.20	39.12
28 46 13 31-1733	EA	Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM) .....	1,223.80	39.12
28 46 13 31-1734	EA	Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM-T) .....	1,400.87	39.12
28 46 13 31-1735	EA	Dual Monitor Module (Silent Knight SK-MONITOR-2) .....	238.81	39.12
28 46 13 31-1736	EA	Supervised Control Module (Silent Knight SK-CONTROL) .....	195.21	39.12
28 46 13 31-1737	EA	Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6) .....	701.60	52.15
28 46 13 31-1738	EA	Relay Control Module (Silent Knight SK-RELAY) .....	171.43	26.08
28 46 13 31-1739	EA	Six Relay Control Module (Silent Knight SK-RELAY-6) .....	677.26	52.15
28 46 13 31-1740	EA	Zone Interface Module (Silent Knight SK-ZONE) .....	199.80	39.12
28 46 13 31-1741	EA	Six Zone Interface Module (Silent Knight SK-ZONE-6) .....	816.63	52.15
28 46 13 31-1742	EA	Monitor Module (Silent Knight SK-MONITOR) .....	168.75	39.12
28 46 13 31-1743	EA	10 Input Monitor Module (Silent Knight SK-MON-10) .....	790.10	52.15
28 46 13 31-1744	EA	Monitor Module (Silent Knight SK-MINIMON) .....	155.67	39.12
28 46 13 31-1745	EA	Fault Isolator Module (Silent Knight SK-ISO) .....	175.88	39.12
28 46 13 31-1746	EA	Addressable Heat Sensor (Silent Knight SD505-AHS) .....	172.33	39.12
28 46 13 31-1747	EA	Analog Ionization Smoke Detector (Silent Knight SD505-AIS) .....	189.21	39.12
28 46 13 31-1748	EA	Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS) .....	175.88	39.12
28 46 13 31-1749	EA	6" Addressable Sounder Base (Silent Knight SD505-6SB) .....	141.63	13.04
28 46 13 31-1750	EA	6" Addressable Relay Base (Silent Knight SD505-6RB) .....	133.27	13.04
28 46 13 31-1751	EA	6" Isolator Base (Silent Knight SD505-6IB) .....	120.18	13.04



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1752	EA			Addressable Input Module (Silent Knight SD500-AIM) .....	174.71	39.12
28 46 13 31-1753	EA			Addressable Notification Module (Silent Knight SD500-ANM) .....	220.45	39.12
28 46 13 31-1754	EA			Addressable Relay Module (Silent Knight SD500-ARM) .....	195.21	39.12
28 46 13 31-1755	EA			SLC Annunciator Driver Module (Silent Knight SD500-LED) .....	800.21	78.23
28 46 13 31-1756	EA			Loop Isolation Module (Silent Knight SD500-LIM) .....	183.04	39.12
28 46 13 31-1757	EA			Addressable Mini Input Module (Silent Knight SD500-MIM) .....	146.25	26.08
28 46 13 31-1758	EA			Single Action Addressable Pull Station (Silent Knight SD500-PS) .....	192.08	26.08
28 46 13 31-1759	EA			Dual Action Addressable Pull Station (Silent Knight SD500-PSDA) .....	182.90	26.08
28 46 13 31-1760	EA			Back Box (Silent Knight SK-PSSMBB) .....	80.14	20.86
28 46 13 31-1761	EA			Smoke Detector Module (Silent Knight SD500-SDM) .....	206.68	39.12
28 46 13 31-1762	EA			Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB) .....	47.86	13.04
28 46 13 31-1763	EA			Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB) .....	47.86	13.04
28 46 13 31-1764	EA			Addressable Duct Housing (Silent Knight SD505-DUCT) .....	346.88	39.12
28 46 13 31-1765	EA			Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR) .....	456.58	39.12
28 46 13 31-1766	EA			Addressable Duct Detector Test Switch (Silent Knight SD505-DTS) .....	180.66	39.12
28 46 13 31-1767	EA			Intelligent Power Module (Silent Knight 5895XL) .....	1,157.66	104.31
28 46 13 31-1768	EA			Addressable Power Supply (Silent Knight 5496) .....	804.64	78.23
28 46 13 31-1769	EA			Relay Interface Board (Silent Knight 5883) .....	309.60	26.08
28 46 13 31-1770	EA			Remote LED Annunciator (Silent Knight 5865-3) .....	637.44	52.15
28 46 13 31-1771	EA			Remote LED Annunciator (Silent Knight 5865-4) .....	725.52	52.15
28 46 13 31-1772	EA			Remote LCD Annunciator (Silent Knight SK-5860) .....	674.11	78.23
28 46 13 31-1773	EA			Serial/Parallel Printer Interface (Silent Knight 5824) .....	448.41	26.08
28 46 13 31-1774	EA			LED Input/Output Module (Silent Knight / IntelliKnight 5880) .....	522.87	39.12
28 46 13 31-1775	EA			Addressable Pull Station (Silent Knight SK-Pull-DA/SA) .....	182.90	26.08
28 46 13 31-1776	EA			Digital Fire Communicator with Cabinet (Silent Knight SK-5104) .....	643.13	78.23
28 46 13 31-1777	EA			Communicator (Silent Knight IPGSM-4G) .....	980.50	52.15
28 46 13 31-1778	EA			Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208) .....	1,540.03	104.31
28 46 13 31-1779	EA			10 Zone Expander (Silent Knight SK-5217) .....	432.75	26.08
28 46 13 31-1780	EA			Remote Annunciator (Silent Knight SK-5235) .....	422.21	52.15
28 46 13 31-1781	EA			Status Display Module (Silent Knight 5280) .....	117.67	26.08
28 46 13 31-1782	EA			Serial/Parallel Module (Silent Knight 5824) .....	500.57	52.15
28 46 13 31-1783	EA			Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4) .....	856.81	104.31
28 46 13 31-1784	EA			Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E) .....	874.50	104.31
28 46 13 31-1785	EA			Dress Panel (Silent Knight SK-DP2/4) .....	159.34	26.08
28 46 13 31-1786	EA			Class A Convertor (Silent Knight SK-CAC4) .....	427.48	39.12
28 46 13 31-1787	EA			Transmitter Module (Silent Knight SK-4XTM) .....	218.16	39.12
28 46 13 31-1788	EA			LED Interface Module (Silent Knight SK-4XLM) .....	199.80	39.12
28 46 13 31-1789	EA			110 Volt AC, 3-6 Amperes, Transformer (Silent Knight SK-XRM24) .....	210.42	26.08
28 46 13 31-1790	EA			Remote Annunciator (Silent Knight SK-RZA4) .....	199.80	39.12
28 46 13 31-1791	EA			Zone Relay Module (Silent Knight SK-4XZM) .....	215.86	39.12
28 46 13 31-1792	EA			Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2) .....	735.12	104.31
28 46 13 31-1793	EA			Remote Battery Box Accessory Cabinet (Silent Knight RBB) .....	182.90	26.08
28 46 13 31-1794	EA			Manual Pull Station (single action) (Silent Knight PS-SATK) .....	96.56	26.08
28 46 13 31-1795	EA			Manual Pull Station (dual action) (Silent Knight PS-DATK) .....	105.43	26.08
28 46 13 31-1796	EA			Manual Pull Station (dual action) (Silent Knight PS-DA) .....	102.94	26.08
28 46 13 31-1797	EA			Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH) .....	90.78	26.08
28 46 13 31-1798	EA			Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB) .....	213.99	31.29
28 46 13 31-1799	EA			6 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495) .....	753.75	78.23
28 46 13 31-1800	EA			9 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499) .....	851.09	78.23
28 46 13 31-1801	EA			Detector (Silent Knight IDP-PhotoR) .....	263.90	39.12
28 46 13 31-1802	EA			Monitoring Module (Silent Knight IDP) .....	264.06	39.12
28 46 13 31-1803	EA			Cabinet (Silent Knight SK-5207) .....	351.90	78.23
28 46 13 31-1804	EA			Innovair IDP-Product (Silent Knight Innovair IDP-Pduct) .....	540.75	26.08
28 46 13 31-1805	EA			I/O Input-Output Module (Silent Knight SK-2880) .....	736.19	26.08
28 46 13 31-1806	EA			Remote Annunciator (Silent Knight RA-2000) .....	2,110.86	78.23
28 46 13 31-1807	EA			Power Supply (Silent Knight 5195/96) .....	1,322.51	26.08
28 46 13 31-1808	EA			8 Zone Expander (Silent Knight SK-5210) .....	1,029.35	26.08
28 46 13 31-1809	EA			LCD Remote Annunciator (Silent Knight SK-5230) .....	399.82	52.15
28 46 13 31-1810	EA			Ionization Smoke Detector (Silent Knight SK-ION) .....	193.78	39.12
28 46 13 31-1811	EA			Addressable Relay Module (Silent Knight IDP-Relay) .....	224.81	39.12
28 46 13 31-1812	EA			Telephone Line Monitor (Silent Knight SK-7150) .....	140.10	26.08
28 46 13 31-1813	EA			Serial Driver Board (Silent Knight SK-2884) .....	269.09	26.08
28 46 13 31-1814	EA			Smoke Detector Base (Silent Knight IDP-6AB) .....	74.94	13.04
28 46 13 31-1815	EA			Mini Input Module (Silent Knight IDP-MINIMON) .....	198.73	26.08
28 46 13 31-1816	EA			Status Display Module (Silent Knight SK-4180) .....	755.73	26.08
28 46 13 31-1817	EA			8-Channel Digital Communicator (Silent Knight SK-1420) .....	443.03	26.08
28 46 13 31-1818	EA			Serial Parallel Module (Silent Knight SK-4824) .....	403.94	26.08
28 46 13 31-1819	EA			Power Supply (Silent Knight SK-5197 / SK-5198) .....	1,517.95	26.08
28 46 13 31-1820	EA			4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204) .....	2,553.91	104.31
28 46 13 31-1821	EA			Intelligent Ionization Smoke Detector (Silent Knight IDP-ION) .....	273.67	39.12
28 46 13 31-1822	EA			Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo) .....	224.81	39.12
28 46 13 31-1823	EA			Fire Slave Communicator Dialer (Silent Knight SK-5128) .....	478.33	26.08
28 46 13 31-1824	EA			Intelligent Power Module (with cabinet) (Silent Knight SK-5496) .....	804.64	78.23
28 46 13 31-1825				<b>Alerton Fire Alarm</b> <small>(28 46 13 31)</small>		
28 46 13 31-1826	EA			UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100) .....	526.55	7.82
28 46 13 31-1827				<b>Cooper Fire Alarm</b> <small>(28 46 13 31)</small>		
28 46 13 31-1828	EA			Single Circuit Class A / Multiple B, 12 Or 24 Volt DC, Sync Module (Cooper DSM-12/24-R) .....	172.53	26.08

28 Electronic Safety and Security

28 40 Life Safety

28 46 Fire Detection and Alarm



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1829	EA		Red Lens, 21 Joules, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001).....	4,211.78	44.33
28 46 13 31-1830	EA		Red, 100 dB, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002).....	5,559.69	44.33
28 46 13 31-1831	EA		Red Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001).....	2,016.85	52.15
28 46 13 31-1832	EA		Clear Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002).....	2,028.83	52.15
28 46 13 31-1833	EA		Amber Lens, 5 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007).....	2,028.83	52.15
28 46 13 31-1834	EA		Red Lens, 10 Joules, 24 Volt DC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001).....	1,498.65	52.15
28 46 13 31-1835	EA		Amber Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003).....	1,498.65	52.15
28 46 13 31-1836	EA		Red Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004).....	1,498.65	52.15
28 46 13 31-1837	EA		Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005).....	2,028.83	52.15
28 46 13 31-1838	EA		Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006).....	2,028.83	52.15
28 46 13 31-1839	EA		Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007).....	2,028.83	52.15
28 46 13 31-1840	EA		Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008).....	2,028.83	52.15
28 46 13 31-1841	EA		Red Lens, 15 Joules, 24 Volt DC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002).....	2,028.83	52.15
28 46 13 31-1842	EA		Red Lens, 21 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001).....	2,338.85	52.15
28 46 13 31-1843	EA		Red Lens, 21 Joules, 24 Volt DC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003).....	2,171.11	52.15
28 46 13 31-1844	EA		Amber Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005).....	2,171.11	52.15
28 46 13 31-1845	EA		Red Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006).....	2,171.11	52.15
<b>28 46 13 31-1846 Light Engineered Displays Message Boards (28 46 13 31)</b>					
28 46 13 31-1847	EA		Two Message Sign, Announcement And Evacuate (LED SP-2/MNS).....	863.39	31.29
28 46 13 31-1848	EA		Four Message Sign, Fire, Weather, Announcement, E Voltuete (LED SP-4).....	760.31	31.29
<b>28 46 13 31-1849 Safety Technology International Fire Alarm (28 46 13 31)</b>					
<b>28 46 13 31-1850 Enclosures (28 46 13 31-1849)</b>					
28 46 13 31-1851	EA		6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF060604-O).....	112.10	15.65
28 46 13 31-1852	EA		6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF060604-W).....	144.56	15.65
28 46 13 31-1853	EA		8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080604-O).....	114.26	15.65
28 46 13 31-1854	EA		8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080604-W).....	145.29	15.65
28 46 13 31-1855	EA		8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080804-O).....	117.15	15.65
28 46 13 31-1856	EA		8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080804-W).....	166.93	15.65
28 46 13 31-1857	EA		10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF100806-O).....	122.20	15.65
28 46 13 31-1858	EA		10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF100806-W).....	166.21	15.65
28 46 13 31-1859	EA		12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF121006-O).....	130.86	15.65
28 46 13 31-1860	EA		12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF121006-W).....	179.92	15.65
28 46 13 31-1861	EA		14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF141206-O).....	154.66	15.65
28 46 13 31-1862	EA		14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141206-W).....	231.86	15.65
28 46 13 31-1863	EA		14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF141208-O).....	166.21	15.65
28 46 13 31-1864	EA		14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141208-W).....	291.03	15.65
28 46 13 31-1865	EA		16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF161408-O).....	176.31	15.65
28 46 13 31-1866	EA		16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF161408-W).....	299.68	15.65
28 46 13 31-1867	EA		18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF181610-O).....	208.78	15.65
28 46 13 31-1868	EA		18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF181610-W).....	307.62	15.65
28 46 13 31-1869	EA		20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF201610-O).....	299.68	15.65
28 46 13 31-1870	EA		20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF201610-W).....	442.54	15.65
28 46 13 31-1871	EA		6" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP060605-O).....	84.68	15.65
28 46 13 31-1872	EA		6" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP060605-T).....	91.90	15.65
28 46 13 31-1873	EA		8" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080605-O).....	87.93	15.65
28 46 13 31-1874	EA		8" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080605-T).....	94.06	15.65
28 46 13 31-1875	EA		8" Height x 8" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080805-O).....	90.81	15.65
28 46 13 31-1876	EA		8" Height x 8" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080805-T).....	98.03	15.65
28 46 13 31-1877	EA		10" Height x 8" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP100806-O).....	91.90	15.65
28 46 13 31-1878	EA		10" Height x 8" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP100806-T).....	106.69	15.65
28 46 13 31-1879	EA		10" Height x 8" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP100807-O).....	96.22	15.65
28 46 13 31-1880	EA		10" Height x 8" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP100807-T).....	109.57	15.65
28 46 13 31-1881	EA		10" Height x 10" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP101006-O).....	100.19	15.65
28 46 13 31-1882	EA		10" Height x 10" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP101006-T).....	111.38	15.65
28 46 13 31-1883	EA		12" Height x 10" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP121007-O).....	101.27	15.65
28 46 13 31-1884	EA		12" Height x 10" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP121007-T).....	114.98	15.65
28 46 13 31-1885	EA		14" Height x 12" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP141207-O).....	117.87	15.65
28 46 13 31-1886	EA		14" Height x 12" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP141207-T).....	145.29	15.65
28 46 13 31-1887	EA		16" Height x 14" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP161409-O).....	129.41	15.65
28 46 13 31-1888	EA		16" Height x 14" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP161409-T).....	172.70	15.65
28 46 13 31-1889	EA		18" Height x 16" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP181604-O).....	143.12	15.65
28 46 13 31-1890	EA		18" Height x 16" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP181604-T).....	184.97	15.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1891 EA 18" Height x 16" Width x 11" Depth, Opaque, Polycarbonate Enclosure (STI EP181611-O) .....	161.88	15.65
28 46 13 31-1892 EA 18" Height x 16" Width x 11" Depth, Tinted, Polycarbonate Enclosure (STI EP181611-T).....	215.99	15.65
28 46 13 31-1893 EA 20" Height x 16" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP201608-O) .....	254.95	15.65
28 46 13 31-1894 EA 20" Height x 16" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP201608-T).....	266.50	15.65
28 46 13 31-1895 EA 24" Height x 24" Width x 10" Depth, Opaque, Polycarbonate Enclosure (STI EP242410-O) .....	381.93	15.65
28 46 13 31-1896 EA 24" Height x 24" Width x 10" Depth, Tinted, Polycarbonate Enclosure (STI EP242410-T).....	441.82	15.65
<b>28 46 13 31-1897 STI® Fire Alarm Devices</b> <small>(28 46 13 31-1849)</small>		
28 46 13 31-1898 EA Pull Station Polycarbonate Cover, Semi Flush With Horn (STI-1100) .....	133.38	15.65
Note: Includes 9 Volt DC self contained battery.		
28 46 13 31-1899 EA Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130) .....	145.29	15.65
28 46 13 31-1900 EA Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200).....	87.03	15.65
28 46 13 31-1901 EA Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D) .....	87.75	15.65
Note: For surface mounted horn strobes.		
28 46 13 31-1902 EA Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E).....	78.37	15.65
28 46 13 31-1903 EA Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D) .....	87.75	15.65
Note: For surface mounted strobe.		
28 46 13 31-1904 EA Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E).....	71.33	15.65
28 46 13 31-1905 EA NEMA 4X Rated Polycarbonate Dome Cover (STI-1229) .....	163.32	15.65
28 46 13 31-1906 EA Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230) .....	109.93	15.65
Note: For surface mounted pull stations.		
28 46 13 31-1907 EA Backplate For Polycarbonate Cover (STI-1280) .....	54.09	15.65
28 46 13 31-1908 EA Conduit Gasket For Polycarbonate Cover (STI-3003) .....	39.95	15.65
28 46 13 31-1909 EA Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100) .....	54.88	15.65
28 46 13 31-1910 EA Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150).....	122.56	15.65
28 46 13 31-1911 EA 8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A) .....	102.00	15.65
28 46 13 31-1912 EA Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100).....	76.02	15.65
28 46 13 31-1913 EA Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601).....	72.05	15.65
28 46 13 31-1914 EA Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602) .....	69.71	15.65
28 46 13 31-1915 EA Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604) .....	72.05	15.65
28 46 13 31-1916 EA Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605) .....	69.71	15.65
28 46 13 31-1917 EA Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609) .....	72.05	15.65
28 46 13 31-1918 EA Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610).....	69.71	15.65
28 46 13 31-1919 EA Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625).....	134.10	15.65
28 46 13 31-1920 EA White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705) .....	64.98	15.65
28 46 13 31-1921 EA Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R) .....	95.69	15.65
28 46 13 31-1922 EA Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706) .....	97.31	15.65
28 46 13 31-1923 EA Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707).....	97.31	15.65
28 46 13 31-1924 EA White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708) .....	71.33	15.65
28 46 13 31-1925 EA Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R).....	71.33	15.65
28 46 13 31-1926 EA White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711) .....	64.98	15.65
28 46 13 31-1927 EA Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713).....	71.33	15.65
28 46 13 31-1928 EA White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714) .....	71.33	15.65
28 46 13 31-1929 EA Yellow, High Threat, Push Button Station (STI SS-2201) .....	118.62	7.82
28 46 13 31-1930 EA Gasket Kit For STI Covers (STI SUB-121).....	48.25	
28 46 13 31-1931 EA Universal Cover With Horn, Flush Mount, Momentary Button, Exit Label, Green Stopper Station (STI SS-2144XT) .....	172.70	15.65
28 46 13 31-1932 EA No Cover, Push And Turn-To-Reset Button, Evacuation Label, Yellow Stopper Station (STI SS-2201EV) .....	95.86	15.65
28 46 13 31-1933 EA No Cover, Push And Key-To-Rest Button, Emergency Label, Blue Stopper Station (STI SS-2400EM) .....	95.86	15.65
28 46 13 31-1934 EA Universal Cover With Horn, Flush Mount, Push And Key-To-Reset Button, Emergency Label, Blue Stopper Station (STI SS-2440EM) .....	172.70	15.65
28 46 13 31-1935 EA Flush Mounted, Weather Stopper II (STI-1250) .....	102.90	15.65
28 46 13 31-1936 EA Flush Mounted, Clear, Universal Stopper (STI-1300NC).....	69.71	15.65
28 46 13 31-1937 EA Flush Mounted, Universal, Fire Label, Red, Stopper With Horn (STI-13020FR).....	116.79	15.65
28 46 13 31-1938 EA Surface Mounted, Clear, Universal Stopper (STI-1320NC) .....	83.24	15.65
28 46 13 31-1939 EA Surface Mounted, Fire Label, Red, Universal Stopper (STI-13210FR) .....	90.45	15.65
28 46 13 31-1940 EA Surface Mounted, No Label, White, Universal Stopper (STI-13210NW).....	98.03	15.65
28 46 13 31-1941 EA Surface Mounted, No Label, Yellow, Universal Stopper (STI-13210NY) .....	98.03	15.65
28 46 13 31-1942 EA Surface Mounted, Fire Label, Red, Universal Stopper With Horn (STI-13220FR) .....	130.13	15.65
28 46 13 31-1943 EA Surface Mounted, No Label, Yellow, Universal Stopper With Horn (STI-13220NY) .....	137.35	15.65
28 46 13 31-1944 EA Surface Mounted, Fire Label, Red, Universal Stopper With Horn And Relay (STI-13230FR) .....	162.60	15.65
28 46 13 31-1945 EA Stopper II, Weather Gasket (STI-3002) .....	39.19	15.65
28 46 13 31-1946 EA Large, Break Glass Stopper (STI-4100) .....	97.31	15.65
28 46 13 31-1947 EA Stopper "G" Standard Break Glass Cover (STI-6100) .....	94.06	15.65
28 46 13 31-1948 EA Clear, Polycarbonate Enclosure With Deep Back Box And Exterior Key Lock (STI-7510A).....	90.99	15.65
28 46 13 31-1949 EA Polycarbonate Multi-Purpose Enclosure With Backplate And Key Lock (STI-7530).....	236.19	15.65
28 46 13 31-1950 EA Heated, Metal, Protective Cabinet (STI-7560AH) .....	3,249.14	15.65
28 46 13 31-1951 EA Stainless Steel Guard (STI-9604SS) .....	66.64	15.65
28 46 13 31-1952 EA 5-3/4" Width x 4-1/2" Depth, Motion Detector Guard (STI-9621) .....	60.33	15.65
<b>28 46 13 31-1953 System Sensor Fire Alarm</b> <small>(28 46 13 31)</small>		
<b>28 46 13 31-1954 Smoke Detectors</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-1955 EA Beam Detector Heater Kit (System Sensor BEAMHK) .....	53.98	5.21
28 46 13 31-1956 EA Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR).....	228.69	5.21
Note: Four used with long range kit.		
28 46 13 31-1957 EA Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRLK) .....	274.61	52.15
28 46 13 31-1958 EA Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK) .....	199.74	52.15
28 46 13 31-1959 EA Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK) .....	161.57	52.15
28 46 13 31-1960 EA Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B) .....	156.44	39.12
28 46 13 31-1961 EA Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B) .....	149.43	39.12

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1962 EA Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B) .....	164.86	39.12
28 46 13 31-1963 EA Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B) .....	159.15	39.12
28 46 13 31-1964 EA Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 Volt DC (System Sensor 4WT-B) .....	159.22	39.12
28 46 13 31-1965 EA Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B) .....	169.07	39.12
28 46 13 31-1966 EA Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B) .....	239.98	39.12
28 46 13 31-1967 EA Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151) .....	139.02	26.08
28 46 13 31-1968 EA Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T) .....	159.98	26.08
Note: Requires B100 series base.		
28 46 13 31-1969 EA Heavy Duty Multi-Mount Kit (System Sensor 6500-MMK) .....	262.94	13.04
28 46 13 31-1970 EA Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy Duty Multi-Mount Kit (System Sensor 6500-SMK) .....	88.96	13.04
28 46 13 31-1971 EA Four Wire, Low Profile, Plug In Detector (System Sensor 2D51) .....	170.47	39.12
<b>28 46 13 31-1972 Duct Smoke Detectors (28 46 13 31-1953)</b>		
28 46 13 31-1973 EA Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2) .....	334.66	39.12
28 46 13 31-1974 EA Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120) .....	331.72	39.12
28 46 13 31-1975 EA Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W) .....	436.12	44.33
28 46 13 31-1976 EA Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S) .....	218.54	26.08
28 46 13 31-1977 EA Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL) .....	59.20	7.82
28 46 13 31-1978 EA Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR) .....	187.56	20.86
28 46 13 31-1979 EA Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW) .....	305.64	26.08
28 46 13 31-1980 EA 1' Steel Sampling Tube (System Sensor DST1) .....	33.49	10.43
28 46 13 31-1981 EA 1.5' Steel Sampling Tube (System Sensor DST1.5) .....	36.81	10.43
28 46 13 31-1982 EA 3' Steel Sampling Tube (System Sensor DST3) .....	41.85	10.43
28 46 13 31-1983 EA 5' Steel Sampling Tube (System Sensor DST5) .....	50.75	13.04
28 46 13 31-1984 EA 10' Steel Sampling Tube (System Sensor DST10) .....	80.13	15.65
28 46 13 31-1985 EA 1' Steel, Exhaust Tube Duct (System Sensor ETX) .....	38.18	10.43
28 46 13 31-1986 EA Remote Test Station For Duct Smoke Detector (System Sensor RTS151) .....	88.72	13.04
28 46 13 31-1987 EA Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2) .....	196.24	
28 46 13 31-1988 EA Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B) .....	210.92	
<b>28 46 13 31-1989 Heat Detectors (28 46 13 31-1953)</b>		
28 46 13 31-1990 EA Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P) .....	103.50	39.12
28 46 13 31-1991 EA Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602) .....	101.43	39.12
28 46 13 31-1992 EA Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621) .....	118.85	39.12
28 46 13 31-1993 EA Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622) .....	118.85	39.12
28 46 13 31-1994 EA Dual Circuit, 135 Degree F, Fixed Temperature Heat Detector (System Sensor 5623) .....	131.95	39.12
28 46 13 31-1995 EA Dual Circuit, 194 Degree F, Fixed Temperature Heat Detector (System Sensor 5624) .....	131.95	39.12
<b>28 46 13 31-1996 Horns (28 46 13 31-1953)</b>		
28 46 13 31-1997 EA Red, Mini Horn (System Sensor MHR) .....	109.31	39.12
28 46 13 31-1998 EA White, Mini Horn (System Sensor MHW) .....	109.31	39.12
28 46 13 31-1999 EA White, 12/24 Volt DC, Wall Mounted Horn Only (System Sensor HWL) .....	110.82	39.12
28 46 13 31-2000 EA Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R) .....	139.86	44.33
28 46 13 31-2001 EA Red, Indoor, Wall Mounted, Horn (System Sensor HRL) .....	110.82	39.12
28 46 13 31-2002 EA Red, Outdoor, Wall Mounted, Horn (System Sensor HRK) .....	156.44	39.12
28 46 13 31-2003 EA White, Indoor, Wall Mounted, Compact Horn (System Sensor HGRL) .....	111.31	39.12
28 46 13 31-2004 EA Red, Indoor, Wall Mounted, Compact Horn (System Sensor HGWL) .....	111.31	39.12
<b>28 46 13 31-2005 Wall Mounted Horns/Strobes (28 46 13 31-1953)</b>		
28 46 13 31-2006 EA Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL) .....	151.64	39.12
28 46 13 31-2007 EA Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH) .....	201.04	39.12
28 46 13 31-2008 EA Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK) .....	225.69	44.33
28 46 13 31-2009 EA Plain, Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P) .....	220.31	44.33
28 46 13 31-2010 EA Outdoor Backbox, Red, 120 Volt AC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120) .....	230.83	44.33
28 46 13 31-2011 EA Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK) .....	224.96	44.33
28 46 13 31-2012 EA Plain, Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P) .....	213.46	44.33
28 46 13 31-2013 EA Outdoor, Red, , Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R) .....	185.65	39.12
28 46 13 31-2014 EA Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL-P) .....	148.21	39.12
28 46 13 31-2015 EA White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL) .....	151.64	39.12
28 46 13 31-2016 EA White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH) .....	202.54	39.12
28 46 13 31-2017 EA Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK) .....	218.35	44.33
28 46 13 31-2018 EA Plain, Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P) .....	220.31	44.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2019 EA Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P).....	201.04	39.12
28 46 13 31-2020 EA Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK).....	232.30	44.33
28 46 13 31-2021 EA Plain, Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P).....	213.46	44.33
28 46 13 31-2022 EA Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL-P).....	147.48	39.12
28 46 13 31-2023 EA Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RL).....	182.47	39.12
28 46 13 31-2024 EA Red, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH).....	199.75	39.12
28 46 13 31-2025 EA Outdoor Backbox, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK).....	230.65	44.33
28 46 13 31-2026 EA Outdoor, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R).....	208.57	44.33
28 46 13 31-2027 EA White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WL).....	182.47	39.12
28 46 13 31-2028 EA Outdoor Backbox, White, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK).....	256.41	44.33
28 46 13 31-2029 EA Outdoor Backbox, White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK).....	220.80	44.33
28 46 13 31-2030 EA Red, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2RL-LF).....	225.04	39.12
28 46 13 31-2031 EA White, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2WL-LF).....	225.04	39.12
28 46 13 31-2032 EA Red, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GRL).....	151.15	39.12
28 46 13 31-2033 EA White, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GWL).....	151.15	39.12
<b>28 46 13 31-2034 Ceiling Mounted Horns/Strobes (28 46 13 31-1953)</b>		
28 46 13 31-2035 EA Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RL).....	154.08	39.12
28 46 13 31-2036 EA Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH).....	204.04	39.12
28 46 13 31-2037 EA Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK).....	218.35	44.33
28 46 13 31-2038 EA Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK).....	211.99	44.33
28 46 13 31-2039 EA Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P).....	193.55	39.12
28 46 13 31-2040 EA White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WL).....	154.08	39.12
28 46 13 31-2041 EA White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH).....	204.04	39.12
28 46 13 31-2042 EA Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK).....	218.35	44.33
28 46 13 31-2043 EA Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P).....	204.04	39.12
28 46 13 31-2044 EA Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK).....	211.99	44.33
28 46 13 31-2045 EA Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P).....	192.05	39.12
28 46 13 31-2046 EA Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4RL).....	183.69	39.12
28 46 13 31-2047 EA Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH).....	199.75	39.12
28 46 13 31-2048 EA White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4WL).....	183.69	39.12
<b>28 46 13 31-2049 Wall Mounted Strobes (28 46 13 31-1953)</b>		
28 46 13 31-2050 EA White Strobe Expander Plate Backbox Skirt (System Sensor SEP-BBSW).....	70.03	13.04
28 46 13 31-2051 EA White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW).....	135.94	13.04
28 46 13 31-2052 EA Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL).....	136.71	39.12
28 46 13 31-2053 EA Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH).....	168.47	39.12
28 46 13 31-2054 EA Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK).....	205.38	44.33
28 46 13 31-2055 EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK).....	202.97	44.33
28 46 13 31-2056 EA Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P).....	195.84	44.33
28 46 13 31-2057 EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R).....	171.86	44.33
28 46 13 31-2058 EA Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL-P).....	135.49	39.12
28 46 13 31-2059 EA White, 12/24 Volt DC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL).....	136.22	39.12
28 46 13 31-2060 EA White, Amber Lens, 12/24 Volt DC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-ALERT).....	147.72	39.12



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2061	EA		White, Clear Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-CLR-ALERT).....	181.57	39.12
28 46 13 31-2062	EA		White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH).....	190.56	39.12
28 46 13 31-2063	EA		White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT).....	189.06	39.12
28 46 13 31-2064	EA		White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P).....	189.06	39.12
28 46 13 31-2065	EA		Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P).....	198.78	44.33
28 46 13 31-2066	EA		White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK).....	196.58	44.33
28 46 13 31-2067	EA		White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P).....	198.29	44.33
28 46 13 31-2068	EA		Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R).....	203.99	44.33
28 46 13 31-2069	EA		White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK).....	194.62	44.33
28 46 13 31-2070	EA		White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P).....	195.60	44.33
28 46 13 31-2071	EA		White, Plain, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-P).....	135.24	39.12
28 46 13 31-2072	EA		Amber, Wall Strobe Lens Attachment (System Sensor LENS-A).....	23.89	5.21
28 46 13 31-2073	EA		Blue, Wall Strobe Lens Attachment (System Sensor LENS-B).....	23.89	5.21
28 46 13 31-2074	EA		Green, Wall Strobe Lens Attachment (System Sensor LENS-G).....	23.89	5.21
28 46 13 31-2075	EA		Red, Wall Strobe Lens Attachment (System Sensor LENS-R).....	23.89	5.21
28 46 13 31-2076	EA		Red, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGRL).....	138.67	39.12
28 46 13 31-2077	EA		White, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGWL).....	135.98	39.12
28 46 13 31-2078	EA		L-Series, Amber, Wall Strobe Lens Attachment (System Sensor LENS-A2, AC2).....	23.89	5.21
28 46 13 31-2079	EA		L-Series, Blue, Wall Strobe Lens Attachment (System Sensor LENS-B2, BC2).....	23.89	5.21
28 46 13 31-2080	EA		L-Series, Green, Wall Strobe Lens Attachment (System Sensor LENS-G2, GC2).....	23.89	5.21
28 46 13 31-2081	EA		L-Series, Red, Wall Strobe Lens Attachment (System Sensor LENS-R2, RC2).....	23.89	5.21
28 46 13 31-2082	EA		Red, 8 Multi-tone, 12 VDC, 1575CD, Wall Mounted Strobe (Wheelock MT-121575W-FR).....	186.44	39.12
28 46 13 31-2083	EA		White, 8 Multi-tone, 12 VDC, 1575CD, No Lettering, Wall Mounted Strobe (Wheelock MT-121575W-NW).....	186.44	39.12
28 46 13 31-2084	EA		L-Series, White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-CLR-ALERT).....	199.76	44.33
<b>28 46 13 31-2085</b>			<b>Ceiling Mounted Strobes</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2086	EA		Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRL).....	139.40	39.12
28 46 13 31-2087	EA		Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH).....	170.88	39.12
28 46 13 31-2088	EA		Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK).....	205.38	44.33
28 46 13 31-2089	EA		Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK).....	205.38	44.33
28 46 13 31-2090	EA		White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWL).....	139.40	39.12
28 46 13 31-2091	EA		Clear Lens, White, Two Wire, 12/24 Volt DC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCWL-CLR-ALERT).....	149.19	39.12
28 46 13 31-2092	EA		White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH).....	193.55	39.12
28 46 13 31-2093	EA		Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK).....	196.58	44.33
28 46 13 31-2094	EA		Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK).....	194.62	44.33
28 46 13 31-2095	EA		Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P).....	171.09	39.12
28 46 13 31-2096	EA		Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC).....	23.89	5.21
28 46 13 31-2097	EA		Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC).....	23.89	5.21
28 46 13 31-2098	EA		Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC).....	23.89	5.21
28 46 13 31-2099	EA		Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC).....	23.89	5.21
<b>28 46 13 31-2100</b>			<b>Wall Mounted Speakers</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2101	EA		24 Volt DC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V).....	363.04	39.12
28 46 13 31-2102	EA		Red, Wall Mounted Speaker (System Sensor SPRL).....	116.89	39.12
28 46 13 31-2103	EA		Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK).....	188.34	39.12
28 46 13 31-2104	EA		Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R).....	156.20	44.33
28 46 13 31-2105	EA		Red, High dB, Wall Mounted Speaker (System Sensor SPRV).....	138.39	39.12
28 46 13 31-2106	EA		White, Wall Mounted Speaker (System Sensor SPWL).....	116.89	39.12
28 46 13 31-2107	EA		White, Outdoor, Wall Mounted Speaker (System Sensor SPWK).....	197.80	44.33
28 46 13 31-2108	EA		White, High dB, Wall Mounted Speaker (System Sensor SPWV).....	131.96	39.12
<b>28 46 13 31-2109</b>			<b>Ceiling Mounted Speakers</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2110	EA		Red, Ceiling Mounted Speaker (System Sensor SPCRL).....	114.20	39.12
28 46 13 31-2111	EA		Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK).....	187.12	39.12
28 46 13 31-2112	EA		Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV).....	138.39	39.12
28 46 13 31-2113	EA		White, Ceiling Mounted Speaker (System Sensor SPCWL).....	116.40	39.12





			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			28 46 13 31-2114 EA White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV).....	153.11	39.12
			28 46 13 31-2115 EA White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK).....	198.78	44.33
<b>28 46 13 31-2116</b>			<b>Wall Mounted Speakers/Strobes</b> <small>(28 46 13 31-1953)</small>		
			28 46 13 31-2117 EA White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSWL).....	134.23	13.04
			28 46 13 31-2118 EA White Speaker Strobe Expander Plate Backbox Skirt (System Sensor SPSEP-BBSWL).....	67.09	13.04
			28 46 13 31-2119 EA Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL).....	190.79	39.12
			28 46 13 31-2120 EA Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH).....	214.19	39.12
			28 46 13 31-2121 EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK).....	285.99	44.33
			28 46 13 31-2122 EA Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P).....	274.14	44.33
			28 46 13 31-2123 EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R).....	233.52	44.33
			28 46 13 31-2124 EA Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL-P).....	188.58	39.12
			28 46 13 31-2125 EA Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV).....	206.97	39.12
			28 46 13 31-2126 EA White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-ALERT).....	191.76	39.12
			28 46 13 31-2127 EA White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT).....	277.57	44.33
			28 46 13 31-2128 EA White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL).....	190.79	39.12
			28 46 13 31-2129 EA White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH).....	247.47	39.12
			28 46 13 31-2130 EA White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P).....	247.47	39.12
			28 46 13 31-2131 EA White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK).....	287.35	44.33
			28 46 13 31-2132 EA White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P).....	273.16	44.33
			28 46 13 31-2133 EA White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-P).....	187.60	39.12
			28 46 13 31-2134 EA White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV).....	238.48	39.12
			28 46 13 31-2135 EA White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P).....	238.48	39.12
<b>28 46 13 31-2136</b>			<b>Ceiling Mounted Speakers/Strobes</b> <small>(28 46 13 31-1953)</small>		
			28 46 13 31-2137 EA Red, Selectable Candela ( 15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRL).....	177.57	39.12
			28 46 13 31-2138 EA Red, Selectable Candela ( 135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH).....	216.60	39.12
			28 46 13 31-2139 EA Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV).....	206.97	39.12
			28 46 13 31-2140 EA White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL).....	177.57	39.12
			28 46 13 31-2141 EA White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-CLR-ALERT).....	189.81	39.12
			28 46 13 31-2142 EA White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH).....	247.47	39.12
			28 46 13 31-2143 EA White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK).....	288.82	44.33
			28 46 13 31-2144 EA White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P).....	247.47	39.12
			28 46 13 31-2145 EA White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT).....	278.06	44.33
			28 46 13 31-2146 EA White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK).....	287.35	44.33
			28 46 13 31-2147 EA White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-P).....	177.57	39.12
			28 46 13 31-2148 EA White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV).....	238.48	39.12
			28 46 13 31-2149 EA White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH).....	247.47	39.12
			28 46 13 31-2150 EA White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P).....	238.48	39.12
			28 46 13 31-2151 EA High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH).....	247.25	39.12
<b>28 46 13 31-2152</b>			<b>Electric Alarm Bells</b> <small>(28 46 13 31-1953)</small>		
			28 46 13 31-2153 EA 6" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-6).....	145.52	39.12
			28 46 13 31-2154 EA 8" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-8).....	157.51	39.12
			28 46 13 31-2155 EA 10" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-10).....	170.72	39.12
			28 46 13 31-2156 EA 6" 120 Volt AC Alarm Bell (System Sensor SSV120-6).....	163.60	39.64
			28 46 13 31-2157 EA 8" 120 Volt AC Alarm Bell (System Sensor SSV120-8).....	165.57	39.64
			28 46 13 31-2158 EA 10" 120 Volt AC Alarm Bell (System Sensor SSV120-10).....	178.05	39.64

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2159			<b>Device Bases</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2160	EA		High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S).....	114.41	13.04
28 46 13 31-2161	EA		Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR).....	110.74	13.04
28 46 13 31-2162	EA		Intelligent Isolator Base (System Sensor B224BI).....	90.92	13.04
28 46 13 31-2163	EA		Intelligent Relay Base (System Sensor B224RB).....	91.90	13.04
28 46 13 31-2164	EA		Flangeless, Intelligent Detector Base (System Sensor B501).....	56.62	13.04
28 46 13 31-2165	EA		High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, Ivory (System Sensor B200S-IV).....	114.41	13.04
28 46 13 31-2166	EA		Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-IV).....	110.74	13.04
28 46 13 31-2167	EA		Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR-LF).....	166.04	13.04
28 46 13 31-2168	EA		Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-LF-IV).....	166.04	13.04
28 46 13 31-2169	EA		Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-LF-WH).....	160.66	13.04
28 46 13 31-2170	EA		Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-WH).....	130.61	13.04
28 46 13 31-2171	EA		High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, White (System Sensor B200S-WH).....	108.54	13.04
28 46 13 31-2172	EA		Intelligent Isolator Base, Ivory (System Sensor B224BI-IV).....	90.92	13.04
28 46 13 31-2173	EA		Intelligent Isolator Base, White (System Sensor B224BI-WH).....	85.05	13.04
28 46 13 31-2174	EA		Intelligent Relay Base, Ivory (System Sensor B224RB-IV).....	91.90	13.04
28 46 13 31-2175	EA		Intelligent Relay Base, White (System Sensor B224RB-WH).....	86.27	13.04
28 46 13 31-2176	EA		Flangeless, Intelligent Detector Base, Black (System Sensor B501-BL).....	56.62	13.04
28 46 13 31-2177	EA		Flangeless, Intelligent Detector Base, Ivory (System Sensor B501-IV).....	56.62	13.04
28 46 13 31-2178	EA		Flangeless, Intelligent Detector Base, White (System Sensor B501-WHITE).....	50.25	13.04
28 46 13 31-2179	EA		Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base (System Sensor B200S-LF).....	168.98	13.04
28 46 13 31-2180	EA		Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, Ivory (System Sensor B200S-LF-IV).....	168.98	13.04
28 46 13 31-2181	EA		Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, White (System Sensor B200S-LF-WH).....	162.61	13.04
28 46 13 31-2182	EA		6" Intelligent Flanged Mounting Base (System Sensor B300-6).....	44.43	13.04
28 46 13 31-2183	EA		6" Intelligent Flanged Mounting Base, Ivory (System Sensor B300-6-IV).....	50.55	13.04
28 46 13 31-2184	EA		Two Wire, Flanged, 12/24 Volt DC, Low-Profile, Adapter Base (System Sensor B110LP).....	50.79	13.04
28 46 13 31-2185	EA		Four Wire, Form A And C, 24 Volt DC Low-Profile, Adapter Base (System Sensor B112LP).....	103.93	15.65
28 46 13 31-2186			<b>Boxes, Plates And Decals</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2187	EA		120 Volt AC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K).....	50.74	13.04
28 46 13 31-2188	EA		Red, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBB).....	77.27	13.04
28 46 13 31-2189	EA		White, Ceiling Mounted, Metal, Weatherproof Backbox (System Sensor MWBBCW).....	84.32	13.04
28 46 13 31-2190	EA		White, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBBW).....	77.27	13.04
28 46 13 31-2191	EA		Red Retrofit Plate (System Sensor RFP).....	35.42	7.82
28 46 13 31-2192	EA		White Retrofit Plate (System Sensor RFPW).....	35.13	7.82
28 46 13 31-2193	EA		Red, Wall Mounted, Weatherproof Backbox (System Sensor SA-WBB).....	65.03	13.04
28 46 13 31-2194	EA		Red, Ceiling Mounted, Weatherproof Backbox (System Sensor SA-WBBC).....	73.45	13.04
28 46 13 31-2195	EA		Red, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCL).....	51.33	13.04
28 46 13 31-2196	EA		White, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCLW).....	51.33	13.04
28 46 13 31-2197	EA		Red, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBRL).....	44.19	13.04
28 46 13 31-2198	EA		Red, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPRL).....	49.57	13.04
28 46 13 31-2199	EA		White, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPWL).....	49.57	13.04
28 46 13 31-2200	EA		White, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBWL).....	44.19	13.04
28 46 13 31-2201	EA		Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500).....	50.04	13.04
28 46 13 31-2202	EA		Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600).....	44.43	13.04
28 46 13 31-2203	EA		Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS).....	16.03	5.21
28 46 13 31-2204	EA		Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R).....	24.08	
28 46 13 31-2205	EA		Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC).....	33.59	
28 46 13 31-2206	EA		White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W).....	24.08	
28 46 13 31-2207	EA		White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC).....	33.59	
28 46 13 31-2208	EA		Red, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2).....	17.81	5.21
28 46 13 31-2209	EA		White, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2W).....	17.81	5.21
28 46 13 31-2210	EA		Red, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2).....	17.81	5.21
28 46 13 31-2211	EA		White, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2W).....	17.81	5.21
28 46 13 31-2212	EA		Red, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGRL).....	44.19	13.04
28 46 13 31-2213	EA		White, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGWL).....	44.19	13.04
28 46 13 31-2214	EA		Red, AGENT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AG).....	21.69	5.21
28 46 13 31-2215	EA		Red, ALERT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AL).....	21.69	5.21
28 46 13 31-2216	EA		Red, EVAC Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-EV).....	21.69	5.21
28 46 13 31-2217	EA		Red, FIRE Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-F).....	21.69	5.21
28 46 13 31-2218	EA		White, AGENT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AG).....	21.69	5.21
28 46 13 31-2219	EA		White, ALERT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AL).....	21.69	5.21
28 46 13 31-2220	EA		White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-EV).....	21.69	5.21
28 46 13 31-2221	EA		White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-F).....	21.69	5.21
28 46 13 31-2222	EA		Red, Plain, L-Series Wall Mounted Bezel (System Sensor BZGR-P).....	21.69	5.21
28 46 13 31-2223	EA		White, Plain, L-Series Wall Mounted Bezel (System Sensor BZGW-P).....	21.69	5.21
28 46 13 31-2224	EA		Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG).....	21.69	5.21
28 46 13 31-2225	EA		Red, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AL).....	21.69	5.21
28 46 13 31-2226	EA		Red, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AG).....	23.74	5.21
28 46 13 31-2227	EA		Red, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AL).....	23.74	5.21
28 46 13 31-2228	EA		Red, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-EV).....	23.74	5.21



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2229	EA			Red, FIRE Marking, L-Series Ceiling Mounted Bezel, Pack Of 5 (System Sensor BZRC-F).....	23.74	5.21
28 46 13 31-2230	EA			Red, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-P) .....	23.74	5.21
28 46 13 31-2231	EA			Red, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZR-EV) .....	21.69	5.21
28 46 13 31-2232	EA			Red, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZR-F) .....	21.69	5.21
28 46 13 31-2233	EA			Red, PLAIN Marking, L-Series Wall Mounted Bezel (System Sensor BZR-P).....	21.69	5.21
28 46 13 31-2234	EA			Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG).....	21.69	5.21
28 46 13 31-2235	EA			White, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AG).....	21.69	5.21
28 46 13 31-2236	EA			White, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AL) .....	21.69	5.21
28 46 13 31-2237	EA			White, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AG) .....	23.74	5.21
28 46 13 31-2238	EA			White, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AL) .....	23.74	5.21
28 46 13 31-2239	EA			White, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-EV) .....	23.74	5.21
28 46 13 31-2240	EA			White, FIRE Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-F) .....	23.74	5.21
28 46 13 31-2241	EA			White, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-P).....	23.74	5.21
28 46 13 31-2242	EA			White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-EV).....	21.69	5.21
28 46 13 31-2243	EA			White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-F) .....	21.69	5.21
28 46 13 31-2244	EA			Replacement Dust Cover For Low Profile Detectors (System Sensor C58-227-01).....	4.36	
28 46 13 31-2245	EA			Control Module Barrier (System Sensor CB500).....	32.48	7.82
28 46 13 31-2246	EA			White Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300) .....	29.84	7.82
28 46 13 31-2247	EA			Black Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300-BL).....	36.15	7.82
28 46 13 31-2248	EA			PTIR Color Kit, White (System Sensor CK-300-IR) .....	137.01	7.82
				Note: Includes cover and trim ring		
28 46 13 31-2249	EA			PTIR Color Kit, Black (System Sensor CK-300-IR-BL) .....	199.16	7.82
				Note: Includes cover and trim ring		
28 46 13 31-2250	EA			PTIR Color Kit, Ivory (System Sensor CK-300-IR-IV).....	199.16	7.82
				Note: Includes cover and trim ring		
28 46 13 31-2251	EA			Accessory Flange Ring For B210LP Base (System Sensor F210).....	24.31	7.82
				Note: Includes cover and trim ring		
28 46 13 31-2252	EA			Black Faceplate (System Sensor FP-BLACK-BP) .....	23.60	7.82
28 46 13 31-2253	EA			White Faceplate, 2 In/2 Out (System Sensor FP-WHITE-2-BP) .....	23.97	7.82
28 46 13 31-2254	EA			White Faceplate (System Sensor FP-WHITE-BP) .....	22.77	7.82
28 46 13 31-2255	EA			White, Back Box (System Sensor SMB500-WH) .....	41.89	13.04
28 46 13 31-2256	EA			Accessory Flange Ring For B210LP Base, White (System Sensor TR300) .....	16.55	5.21
28 46 13 31-2257	EA			Accessory Flange Ring For B210LP Base, Ivory (System Sensor TR300-IV) .....	23.69	5.21
28 46 13 31-2258	EA			White Faceplate Swift (System Sensor FP-WHITE-SWIFT-BP).....	25.12	7.82
28 46 13 31-2259	EA			Red, ALERT Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-AL).....	21.69	5.21
28 46 13 31-2260	EA			Red, AGENT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AG) .....	23.74	5.21
28 46 13 31-2261	EA			Red, ALERT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AL) .....	23.74	5.21
28 46 13 31-2262	EA			Red, EVAC Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-EV) .....	23.74	5.21
28 46 13 31-2263	EA			Red, FIRE Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-F) .....	23.74	5.21
28 46 13 31-2264	EA			Red, Plain, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-P) .....	23.74	5.21
28 46 13 31-2265	EA			Red, EVAC Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-EV) .....	21.69	5.21
28 46 13 31-2266	EA			Red, FIRE Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-F).....	21.69	5.21
28 46 13 31-2267	EA			Red, Plain, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-P).....	21.69	5.21
28 46 13 31-2268	EA			L Series, 120 VAC Adapter Mounting Plate (System Sensor MP120KL).....	65.43	13.04
28 46 13 31-2269	EA			White, Amber Lens, Universal Expander Plate (System Sensor SEP-SPSWL-P).....	130.07	13.04
<b>28 46 13 31-2270 Chimes</b> <small>(28 46 13 31-1953)</small>						
28 46 13 31-2271	EA			Red, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHRL).....	124.88	39.12
28 46 13 31-2272	EA			White, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHWL) .....	140.38	39.12
<b>28 46 13 31-2273 Chime/Strobes</b> <small>(28 46 13 31-1953)</small>						
28 46 13 31-2274	EA			Red, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSRL).....	205.47	39.12
28 46 13 31-2275	EA			White, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSWL) .....	205.47	39.12
28 46 13 31-2276	EA			L-Series, Red, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCRL) .....	206.93	39.12
28 46 13 31-2277	EA			L-Series, White, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCWL) .....	206.93	39.12
<b>28 46 13 31-2278 Carbon Monoxide Detectors</b> <small>(28 46 13 31-1953)</small>						
28 46 13 31-2279	EA			Conventional Carbon Monoxide Detector (System Sensor CO1224) .....	256.51	52.15
28 46 13 31-2280	EA			Round, Sounder And Trouble Relay With Test Function, 12/24 Volt DC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR).....	203.51	39.12
28 46 13 31-2281	EA			CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE).....	16.34	5.21
28 46 13 31-2282	EA			Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan (System Sensor FCO-951).....	306.28	39.12
28 46 13 31-2283	EA			12/24 VDC, Conventional Carbon Monoxide Detector With Sounder And Trouble Relay With Test Function, UL2075 Listed (System Sensor CO1224T) .....	229.59	52.15

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2284 EA Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan, Ivory (System Sensor FCO-951-IV).....	317.04	39.12
<b>28 46 13 31-2285 Switches</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2286 EA SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1).....	186.58	20.86
28 46 13 31-2287 EA Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2).....	208.61	20.86
28 46 13 31-2288 EA SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1).....	186.58	20.86
28 46 13 31-2289 EA Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2).....	208.61	20.86
28 46 13 31-2290 EA Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2).....	194.41	20.86
28 46 13 31-2291 EA Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2).....	181.69	20.86
<b>28 46 13 31-2292 Low Frequency Sounders</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2293 EA Red, Low Frequency Sounder (System Sensor HR-LF).....	195.05	39.12
28 46 13 31-2294 EA White, Low Frequency Sounder (System Sensor HW-LF).....	195.05	39.12
28 46 13 31-2295 EA Red, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCRL-LF).....	167.54	39.12
28 46 13 31-2296 EA White, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCWL-LF).....	167.54	39.12
28 46 13 31-2297 EA Red, Wall Mounted, Low-frequency Compact Sounder (System Sensor HGRL-LF).....	166.32	39.12
28 46 13 31-2298 EA White, Wall Mounted, Low-frequency Compact Sounder (HGWL-LF).....	166.32	39.12
<b>28 46 13 31-2299 Sync Modules</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2300 EA Red, 12/24 Volt DC, Sync Module (System Sensor MDL3R).....	147.58	26.08
28 46 13 31-2301 EA White, 12/24 Volt DC, Sync Module (System Sensor MDL3W).....	145.13	26.08
<b>28 46 13 31-2302 Relays</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2303 EA Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E).....	83.03	20.86
28 46 13 31-2304 EA SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T).....	53.58	13.04
28 46 13 31-2305 EA 4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E).....	158.21	13.04
28 46 13 31-2306 EA 4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T).....	116.12	13.04
28 46 13 31-2307 EA Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E).....	89.59	20.86
28 46 13 31-2308 EA DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T).....	55.34	13.04
28 46 13 31-2309 EA 4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E).....	178.27	13.04
28 46 13 31-2310 EA 4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T).....	133.01	13.04
28 46 13 31-2311 EA 18 To 35 Volt DC, 18 To 35 Volt AC, 120 Volt AC, SPDT Multivoltage Relay (System Sensor PR-1).....	46.44	13.04
28 46 13 31-2312 EA 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-2).....	46.44	13.04
28 46 13 31-2313 EA Redundant Power Input, 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-3).....	46.44	13.04
<b>28 46 13 31-2314 Remote Annunciator</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2315 EA Remote Annunciator (System Sensor RA100Z).....	109.06	39.12
28 46 13 31-2316 EA Remote LED Annunciator (System Sensor RA100ZA).....	107.26	39.12
28 46 13 31-2317 EA Remote Annunciator With Piezo Alarm (System Sensor APA151).....	135.67	39.12
<b>28 46 13 31-2318 Remote Test Station</b> <small>(28 46 13 31-1953)</small>		
28 46 13 31-2319 EA Remote Test Station With Key (System Sensor RTS151KEY).....	172.68	39.12
<b>28 46 13 31-2320 Fire Alarm Digital Cellular Communicator</b> <small>(28 46 13 31)</small>		
28 46 13 31-2321 EA Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS).....	692.41	52.15
<b>28 46 13 31-2322 Wheelock Fire Alarm</b> <small>(28 46 13 31)</small>		
<b>28 46 13 31-2323 Ceiling Mounted Chimes/Strobes</b> <small>(28 46 13 31-2322)</small>		
28 46 13 31-2324 EA White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 Volt DC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW).....	207.18	39.12
<b>28 46 13 31-2325 Wall Mounted Chimes/Strobes</b> <small>(28 46 13 31-2322)</small>		
28 46 13 31-2326 EA Red, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR).....	207.18	39.12
28 46 13 31-2327 EA White, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW).....	207.18	39.12
<b>28 46 13 31-2328 Ceiling Mounted Horns/Strobes</b> <small>(28 46 13 31-2322)</small>		
28 46 13 31-2329 EA Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC).....	137.52	39.12
28 46 13 31-2330 EA White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC).....	167.78	39.12
<b>28 46 13 31-2331 Wall Mounted Horns/Strobes</b> <small>(28 46 13 31-2322)</small>		
28 46 13 31-2332 EA Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR).....	140.27	39.12
28 46 13 31-2333 EA Red, 24 Volt DC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR).....	248.97	39.12
28 46 13 31-2334 EA Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR).....	202.04	39.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2335 EA White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....	202.04	39.12
28 46 13 31-2336 EA Red, Flush, 24 Volt AC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR) .....	235.49	39.12
28 46 13 31-2337 EA Red, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR).....	155.99	39.12
28 46 13 31-2338 EA Red, 115 Volt AC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR) .....	154.37	39.12
28 46 13 31-2339 EA Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR) .....	170.64	44.33
28 46 13 31-2340 EA Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR) .....	139.63	39.12
28 46 13 31-2341 EA White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW) .....	139.63	39.12
28 46 13 31-2342 EA White, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FW) .....	153.72	39.12
28 46 13 31-2343 EA Red, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR).....	202.04	39.12
28 46 13 31-2344 EA White, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....	202.04	39.12
<b>28 46 13 31-2345 Ceiling Mounted Strobes (28 46 13 31-2322)</b>		
28 46 13 31-2346 EA Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR) .....	131.69	39.12
28 46 13 31-2347 EA White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW).....	131.69	39.12
28 46 13 31-2348 EA Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC).....	151.64	39.12
28 46 13 31-2349 EA White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC) .....	126.83	39.12
28 46 13 31-2350 EA White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, No Lettering (Wheelock RSSA-24MCC-NW) .....	140.11	39.12
28 46 13 31-2351 EA White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, Red ALERT Lettering (Wheelock RSSA-24MCC-ALW) .....	141.25	39.12
28 46 13 31-2352 EA White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe With Fire Lettering (Wheelock RSS-24MCC-FW) .....	141.73	39.12
28 46 13 31-2353 EA Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Weatherproof Strobe With Fire Lettering (Wheelock RSSWP-2475C-FR).....	159.22	39.12
<b>28 46 13 31-2354 Wall Mounted Strobes (28 46 13 31-2322)</b>		
28 46 13 31-2355 EA Red, Multi-Candela, 24 Volt DC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR).....	195.19	39.12
28 46 13 31-2356 EA Red, Retrofit Plate, 12 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR) .....	158.58	39.12
28 46 13 31-2357 EA Red, 24 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR) .....	196.55	39.12
28 46 13 31-2358 EA Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR).....	130.39	39.12
28 46 13 31-2359 EA White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW) .....	130.39	39.12
28 46 13 31-2360 EA Red, Retrofit Plate, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR) .....	138.82	39.12
28 46 13 31-2361 EA Outdoor, Red, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR).....	145.69	44.33
Note: Requires WPSBB-R.		
28 46 13 31-2362 EA Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STR) .....	127.64	39.12
28 46 13 31-2363 EA White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STW).....	127.64	39.12
28 46 13 31-2364 EA Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCWH-NW).....	150.16	39.12
28 46 13 31-2365 EA White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCW-NW) .....	131.85	39.12
28 46 13 31-2366 EA Weatherproof, White, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FW).....	172.84	44.33
Note: Requires WPSBB-R.		
28 46 13 31-2367 EA Interior, White, 24 Volt DC, Multi-Candela 135/185, Weatherproof Wall Mounted Strobe (Wheelock RSSWP-24MCWH-FW).....	170.97	39.12
<b>28 46 13 31-2368 Ceiling Mounted Speakers/Strobes (28 46 13 31-2322)</b>		
28 46 13 31-2369 EA Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR).....	158.58	39.12
28 46 13 31-2370 EA White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW).....	158.58	39.12
28 46 13 31-2371 EA White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW).....	158.58	39.12
28 46 13 31-2372 EA White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW) .....	160.20	39.12
28 46 13 31-2373 EA White, 24 Volt DC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW).....	169.27	39.12
28 46 13 31-2374 EA White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW) .....	181.91	39.12
28 46 13 31-2375 EA Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FR) .....	181.91	39.12
28 46 13 31-2376 EA Red, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FR) .....	161.50	39.12
28 46 13 31-2377 EA White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Square, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-NW).....	192.25	39.12
28 46 13 31-2378 EA Round, 2 Watt, 24 Volt DC, 15/30/75/95CD, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-NW).....	204.00	39.12
28 46 13 31-2379 EA White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Ceiling Mounted, Speaker/Strobe (Wheelock ET70WP-2475C-FW).....	215.74	39.12
<b>28 46 13 31-2380 Wall Mounted Speakers/Strobes (28 46 13 31-2322)</b>		
28 46 13 31-2381 EA Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR).....	274.43	39.12
28 46 13 31-2382 EA White, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW) .....	274.43	39.12
28 46 13 31-2383 EA Red, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FR) .....	169.27	39.12
28 46 13 31-2384 EA White, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FW).....	169.27	39.12

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2385	EA		Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR).....	158.58	39.12
28 46 13 31-2386	EA		White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW).....	155.99	39.12
28 46 13 31-2387	EA		Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR).....	169.27	39.12
28 46 13 31-2388	EA		White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW).....	169.27	39.12
28 46 13 31-2389	EA		Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR).....	271.43	39.12
28 46 13 31-2390	EA		Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR).....	160.20	39.12
28 46 13 31-2391	EA		White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW).....	158.90	39.12
28 46 13 31-2392	EA		Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR).....	264.69	39.12
28 46 13 31-2393	EA		White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW).....	271.43	39.12
28 46 13 31-2394	EA		Red, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR).....	181.91	39.12
28 46 13 31-2395	EA		White, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW).....	181.91	39.12
28 46 13 31-2396	EA		Weatherproof, Red, 24 Volt DC, 75 Candela, Wall Mounted Speaker Strobe (Wheelock ET70WP-2475 W-FR)..... Note: Requires weatherproof backbox (IOB).	294.60	44.33
28 46 13 31-2397	EA		Interior, Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FR).....	146.59	39.12
28 46 13 31-2398	EA		Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FW).....	141.73	39.12
28 46 13 31-2399	EA		White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Round, Wall Mounted Speaker/Strobe (Wheelock E60-24MCW-FW).....	204.00	39.12
28 46 13 31-2400	EA		Red, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR).....	215.74	39.12
28 46 13 31-2401	EA		White, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW).....	220.15	39.12
28 46 13 31-2402	EA		White, 8 Watt, 24 VDC, 15/30/75/110 Candela, No Lettering, Wall Mounted, Speaker/Strobe (Wheelock ET70-24MCW-NW).....	227.49	39.12
28 46 13 31-2403	EA		Red, 8 Watts, Weatherproof, 185 Candela, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-24185W-FR).....	232.87	39.12
28 46 13 31-2404	EA		Red, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FR)..... Note: Requires IOB	229.45	39.12
28 46 13 31-2405	EA		White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FW)..... Note: Requires IOB	227.49	39.12
<b>28 46 13 31-2406</b>			<b>Electric Alarm Bells</b> <small>(28 46 13 31-2322)</small>		
28 46 13 31-2407	EA		6" Diameter, 24 Volt DC, Red, Vibrating Bell (Wheelock 43T-G6-24-R).....	154.69	39.12
28 46 13 31-2408	EA		6" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G6-115-R).....	149.51	39.12
28 46 13 31-2409	EA		10" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G10-115-R).....	184.18	39.12
28 46 13 31-2410	EA		10" Diameter, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSX10-115-R).....	1,382.06	44.33
28 46 13 31-2411	EA		10" Diameter, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSXG10-115-R).....	2,227.04	44.33
28 46 13 31-2412	EA		10" Diameter, Vibrating, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CVXG10-115-R).....	3,046.59	44.33
28 46 13 31-2413	EA		6", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G6-24-R).....	125.37	39.12
28 46 13 31-2414	EA		10", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G10-24-R).....	180.02	39.12
28 46 13 31-2415	EA		6", ADA, 12 Volt DC, Red, Motor Bell (Wheelock MB-G6-12-R).....	127.32	39.12
28 46 13 31-2416	EA		10", ADA, 12 Volt DC, Red, Indoor/Outdoor Motor Bell (Wheelock MB-G10-12-R).....	178.31	39.12
<b>28 46 13 31-2417</b>			<b>Horns</b> <small>(28 46 13 31-2322)</small>		
28 46 13 31-2418	EA		Two Wire, 24 Volt DC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non Sync Horn (Wheelock AH-24WP-R).....	138.14	39.12
28 46 13 31-2419	EA		Red, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNR).....	107.13	39.12
28 46 13 31-2420	EA		White, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNW).....	107.13	39.12
28 46 13 31-2421	EA		Red, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNRC).....	107.84	39.12
28 46 13 31-2422	EA		White, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNWC).....	107.84	39.12
28 46 13 31-2423	EA		Red, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R).....	95.86	39.12
28 46 13 31-2424	EA		White, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W).....	95.86	39.12
28 46 13 31-2425	EA		Red, Flush, 12/24 Volt AC, Horn (Wheelock MT-12/24-R).....	107.84	39.12
28 46 13 31-2426	EA		Red, 24 Volt DC, Four Wire, Wall Mounted Horn (Wheelock HS-24-R).....	134.02	39.12
<b>28 46 13 31-2427</b>			<b>Speakers</b> <small>(28 46 13 31-2322)</small>		
28 46 13 31-2428	EA		Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-R).....	109.92	39.12
28 46 13 31-2429	EA		White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-W).....	109.92	39.12
28 46 13 31-2430	EA		Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-R).....	109.92	39.12
28 46 13 31-2431	EA		White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-W).....	108.49	39.12
28 46 13 31-2432	EA		Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-R).....	109.92	39.12
28 46 13 31-2433	EA		White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-W).....	109.92	39.12
28 46 13 31-2434	EA		Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-R).....	109.92	39.12
28 46 13 31-2435	EA		White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-W).....	109.92	39.12
28 46 13 31-2436	EA		Red, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-R).....	125.53	39.12
28 46 13 31-2437	EA		White, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-W).....	125.53	39.12
28 46 13 31-2438	EA		White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watt Ceiling Mounted Speaker (Wheelock ET90-W).....	126.83	39.12
28 46 13 31-2439	EA		Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R).....	179.53	39.12
28 46 13 31-2440	EA		Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R).....	162.40	39.12
28 46 13 31-2441	EA		Grey, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15S).....	227.27	39.12
28 46 13 31-2442	EA		Red, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15SR).....	227.27	39.12
28 46 13 31-2443	EA		Red, 1/8 To 8 Watts, Square, Surface Mounted, Vandal Resistant Speaker (Wheelock ET-1010-R).....	179.53	39.12
28 46 13 31-2444	EA		White, 8 Watts, Wall/Ceiling Mounted, Vandal Resistant Speaker (Wheelock ET-1010-W).....	181.49	39.12



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2445	EA	Red, 1/8 To 8 Watts, Square, Flush Mounted, Vandal Resistant Speaker (Wheelock ET-1080-R).....	162.40	39.12
28 46 13 31-2446	EA	White, 8", 25/70 Volt, 15/30/75/95 Candela, Round, Ceiling Mounted, Speaker (Wheelock S8-24MCC-FW).....	240.21	39.12
28 46 13 31-2447	EA	White, 8", 25/70 Volt, Round, Ceiling Mounted, Speaker (Wheelock S8-70/25).....	174.15	39.12
<b>28 46 13 31-2448 Sync Modules</b> <small>(28 46 13 31-2322)</small>				
28 46 13 31-2449	EA	12 Or 24 Volt DC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R).....	168.97	26.08
<b>28 46 13 31-2450 Boxes, Plates And Rings</b> <small>(28 46 13 31-2322)</small>				
28 46 13 31-2451	EA	4" Square, Red, Surface Backbox (Wheelock BB-R).....	33.18	13.04
28 46 13 31-2452	EA	Standard 4" Square Box (Wheelock BB-STD).....	33.71	13.04
28 46 13 31-2453	EA	Black, Backbox For UZC-256 (Wheelock BB-UZC).....	210.22	26.08
28 46 13 31-2454	EA	Red, Backbox For UZC-256 (Wheelock BB-UZC-R).....	210.22	26.08
28 46 13 31-2455	EA	9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP).....	162.11	20.86
28 46 13 31-2456	EA	Red, Extender Ring For E60 Series (Wheelock E60EXT-R).....	16.78	5.21
28 46 13 31-2457	EA	White, Extender Ring For E60 Series (Wheelock E60EXT-W).....	16.78	5.21
28 46 13 31-2458	EA	Red, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-R).....	40.85	13.04
28 46 13 31-2459	EA	White, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-W).....	38.78	13.04
28 46 13 31-2460	EA	Red, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-R).....	40.85	13.04
28 46 13 31-2461	EA	White, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-W).....	40.85	13.04
28 46 13 31-2462	EA	4" Square Backbox (Wheelock DBB-R).....	34.50	13.04
28 46 13 31-2463	EA	Red, Surface Backbox (Wheelock IOB-R).....	39.49	13.04
28 46 13 31-2464	EA	White, Surface, Backbox (Wheelock IOB-W).....	39.49	13.04
28 46 13 31-2465	EA	White, Indoor, Surface Extender (Wheelock ISP2-W).....	16.10	5.21
28 46 13 31-2466	EA	Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R).....	23.16	5.21
28 46 13 31-2467	EA	White, RS/RSS Strobe Trim Plate (Wheelock NATP-W).....	23.16	5.21
28 46 13 31-2468	EA	Red Retrofit Plate (Wheelock RP-R).....	18.85	5.21
28 46 13 31-2469	EA	4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4).....	35.19	5.21
28 46 13 31-2470	EA	Red, Surface Mounted, Backbox For Chimes, Speakers (Wheelock SBB-R).....	41.18	13.04
28 46 13 31-2471	EA	White, Surface Mounted, Backbox For Chimes, Speaker (Wheelock SBB-W).....	41.63	13.04
28 46 13 31-2472	EA	Red, Surface Mounted, Backbox For With RSSP (Wheelock SBL2-R).....	44.03	13.04
28 46 13 31-2473	EA	Red, Semi-Flush Plate (Wheelock SFB-R).....	24.28	5.21
28 46 13 31-2474	EA	White, Semi-Flush Plate (Wheelock SFB-W).....	24.28	5.21
28 46 13 31-2475	EA	Red, Shallow Surface Mounted, Backbox (Wheelock SHBB-R).....	36.67	13.04
28 46 13 31-2476	EA	White, Shallow Surface Mounted, Backbox (Wheelock SHBB-W).....	36.67	13.04
28 46 13 31-2477	EA	Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R).....	23.13	5.21
28 46 13 31-2478	EA	Red, Weather Resistant Backbox (Wheelock WBB-R).....	40.60	13.04
28 46 13 31-2479	EA	Silver, Weather Resistant Backbox (Wheelock WBB-S).....	40.60	13.04
28 46 13 31-2480	EA	White, Weather Resistant Backbox (Wheelock WBB-W).....	40.60	13.04
28 46 13 31-2481	EA	Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R).....	28.06	5.21
28 46 13 31-2482	EA	White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W).....	28.06	5.21
28 46 13 31-2483	EA	Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R).....	28.06	5.21
28 46 13 31-2484	EA	White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W).....	28.06	5.21
28 46 13 31-2485	EA	Gasket Kit For Rear Wiring To Outdoor Backbox (Wheelock WP-KIT).....	21.15	5.21
28 46 13 31-2486	EA	Weather Resistant Backbox For ASWP (Wheelock WPBB-R).....	52.70	13.04
28 46 13 31-2487	EA	Weather Resistant Backbox For RSSWP (Wheelock WPSBB-R).....	48.40	13.04
28 46 13 31-2488	EA	Red Plate For RSS (Wheelock RSSCP-R).....	16.10	5.21
28 46 13 31-2489	EA	White Plate For RSS (Wheelock RSSCP-W).....	16.10	5.21
28 46 13 31-2490	EA	Red Fire Plate For RSS (Wheelock RSSCPW-FR).....	16.78	5.21
28 46 13 31-2491	EA	White Fire Plate For RSS (Wheelock RSSCPW-FW).....	16.78	5.21
28 46 13 31-2492	EA	Red, Indoor, Surface Extender (Wheelock ISP2-R).....	16.39	5.21
28 46 13 31-2493	EA	Red, 24 Volt DC, 135/185 Candela, Wall Mounted Strobe Plate (Wheelock RSSP-24MCHW-FR).....	127.88	5.21
28 46 13 31-2494	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-ALW).....	114.67	5.21
28 46 13 31-2495	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, No Lettering, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-NW).....	112.71	5.21
28 46 13 31-2496	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, ALERT Lettering, Wall Mounted Strobe Plate (Wheelock RSSPA-24MCW-ALW).....	114.67	5.21
28 46 13 31-2497	EA	Red, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-R).....	19.58	5.21
28 46 13 31-2498	EA	White, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-W).....	18.99	5.21
28 46 13 31-2499	EA	Red, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-R).....	20.02	5.21
28 46 13 31-2500	EA	White, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-W).....	20.02	5.21
28 46 13 31-2501	EA	White, Fire Lettered, Grill Plate For E50 Speaker/Strobe (Wheelock ECHSG50-FW).....	18.99	5.21
28 46 13 31-2502	EA	Red, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FR).....	19.92	5.21
28 46 13 31-2503	EA	White, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FW).....	19.92	5.21
28 46 13 31-2504	EA	Red, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-R).....	18.99	5.21
28 46 13 31-2505	EA	White, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-W).....	18.99	5.21
28 46 13 31-2506	EA	Red, Surface Mounted, Extender Ring (Wheelock SER-R).....	26.43	5.21
28 46 13 31-2507	EA	White, Surface Mounted, Extender Ring (Wheelock SER-W).....	26.73	5.21
28 46 13 31-2508	EA	Red, Semi-Flush, Plate (Wheelock SFP-R).....	21.15	5.21
28 46 13 31-2509	EA	Silver, Semi-Flush, Plate (Wheelock SFP-S).....	20.02	5.21
28 46 13 31-2510	EA	White, Semi-Flush, Plate (Wheelock SFP-W).....	21.15	5.21
28 46 13 31-2511	EA	Red, Weather Resistant Back Box For ASWP (Wheelock WPBB-R).....	52.70	13.04
28 46 13 31-2512	EA	Red, Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R).....	48.40	13.04
28 46 13 31-2513	EA	White, Weather Resistant Back Box For RSSWP Series (Wheelock WPSBB-W).....	48.40	13.04
<b>28 46 13 31-2514 Manual Pull Station</b> <small>(28 46 13 31-2322)</small>				
28 46 13 31-2515	EA	SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100).....	121.67	26.08
28 46 13 31-2516	EA	SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200).....	121.67	26.08

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2517	EA		Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X).....	1,101.84	26.08
<b>28 46 13 31-2518</b>			<b>Potter Fire Alarm (28 46 13 31)</b>		
<b>28 46 13 31-2519</b>			<b>Electric Alarm Bells (28 46 13 31-2518)</b>		
28 46 13 31-2520	EA		6" Alarm Bell, 12 Volt DC (Potter MBA-6-12) .....	114.25	39.12
28 46 13 31-2521	EA		8" Alarm Bell, 12 Volt DC (Potter MBA-8-12) .....	125.63	39.12
28 46 13 31-2522	EA		10" Alarm Bell, 12 Volt DC (Potter MBA-10-12) .....	131.31	39.12
28 46 13 31-2523	EA		6" Alarm Bell, 24 Volt DC (Potter MBA-6-24) .....	114.25	39.12
28 46 13 31-2524	EA		8" Alarm Bell, 24 Volt DC (Potter MBA-8-24) .....	125.63	39.12
28 46 13 31-2525	EA		10" Alarm Bell, 24 Volt DC (Potter MBA-10-24) .....	131.31	39.12
28 46 13 31-2526	EA		6" Alarm Bell, 24 Volt AC (Potter PBA246) .....	123.91	39.12
28 46 13 31-2527	EA		8" Alarm Bell, 24 Volt AC (Potter PBA248) .....	129.36	39.12
28 46 13 31-2528	EA		10" Alarm Bell, 24 Volt AC (Potter PBA2410) .....	161.53	39.12
28 46 13 31-2529	EA		6" Alarm Bell, 120 Volt AC (Potter PBA1206) .....	115.89	39.12
28 46 13 31-2530	EA		8" Alarm Bell, 120 Volt AC (Potter PBA1208) .....	129.36	39.12
28 46 13 31-2531	EA		10" Alarm Bell, 120 Volt AC (Potter PBA12010) .....	140.63	39.12
<b>28 46 13 31-2532</b>			<b>Manual Pull Station (28 46 13 31-2518)</b>		
28 46 13 31-2533	EA		SPST, Single Action, Manual Pull Station (Potter P32-1T) .....	84.40	26.08
28 46 13 31-2534	EA		DPST, Single Action, Manual Pull Station (Potter RMS-2T) .....	89.56	26.08
28 46 13 31-2535	EA		DPST, Single Action, Manual Pull Station (Potter RMS-6T) .....	147.70	26.08
28 46 13 31-2536	EA		DPST, Single Action, Key Reset Manual Pull Station (Potter RMS-1T-KL) .....	92.78	26.08
28 46 13 31-2537	EA		SPST, Dual Action, Manual Pull Station (Potter P32-1T-LP) .....	87.32	26.08
28 46 13 31-2538	EA		SPST, Weather Proof, Manual Pull Station (Potter RMS-1T-WP) .....	165.88	26.08
28 46 13 31-2539	EA		SPST, Weather Proof Dual Action, Manual Pull Station (Potter RMS-1T-WP-LP) .....	209.26	26.08
<b>28 46 13 31-2540</b>			<b>Fire Alarm Terminal Cabinets (28 46 13 31)</b>		
28 46 13 31-2541	EA		18 Point Lockable Fire Alarm Terminal Cabinet.....	225.91	52.25
28 46 13 31-2542	EA		32 Point Lockable Fire Alarm Terminal Cabinet.....	298.78	52.25
28 46 13 31-2543	EA		64 Point Lockable Fire Alarm Terminal Cabinet.....	444.49	52.25
28 46 13 31-2544	EA		128 Point Lockable Fire Alarm Terminal Cabinet.....	590.17	52.25
<b>28 46 13 31-2545</b>			<b>Test And Certification Of Fire Alarm System (28 46 13 31)</b>		
28 46 13 31-2546	HR		Test And Certification Of Fire Alarm System .....	258.86	
<b>28 46 13 31-2547</b>			<b>Programming Of Fire Alarm System (28 46 13 31)</b>		
28 46 13 31-2548	HR		Programming Of Fire Alarm System .....	310.63	
<b>28 46 13 31-2549</b>			<b>Removal And Reinstallation Of Smoke Detector (28 46 13 31)</b>		
			Note: Includes storage, cleaning and supply materials.		
28 46 13 31-2550	EA		Removal And Reinstallation Of Ceiling Mounted Smoke Detector.....	146.04	
28 46 13 31-2551	EA		Removal And Reinstallation Of Wall Mounted Smoke Detector.....	117.35	
<b>28 46 13 31-2552</b>			<b>Kidde Fire Safety Equipment (28 46 13 31)</b>		
<b>28 46 13 31-2553</b>			<b>Smoke Detectors (28 46 13 31-2552)</b>		
28 46 13 31-2554	EA		Combination Smoke And Carbon Monoxide Detector, 120 Volt Wired, With Battery Back-up (Kidde i12010SCO).....	144.20	39.12
28 46 13 31-2555	EA		Combination Smoke And Carbon Monoxide Detector, With Battery Back-up (Kidde P3010K-CO) .....	119.81	39.12
<b>28 46 31</b>			<b>Fire-Alarm Initiating Devices (28 46)</b>		
<b>28 46 31 11</b>			<b>Heat-Sensing Fire Detectors (28 46 31)</b>		
<b>28 46 31 11-0001</b>			<b>Protectowire Fire Alarm (28 46 31 11)</b>		
<b>28 46 31 11-0002</b>			<b>Linear Heat Detector Cable (28 46 31 11-0001)</b>		
28 46 31 11-0003	LF		Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC) .....	5.24	
28 46 31 11-0004	LF		Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M) .....	5.69	
28 46 31 11-0005	LF		High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR) .....	5.69	
28 46 31 11-0006	LF		High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M) .....	6.14	
28 46 31 11-0007	LF		Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT) .....	6.56	
28 46 31 11-0008	LF		Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M) .....	7.01	
28 46 31 11-0009	EA		Flexible Lead Connector For Linear Heat Detector (Protectowire PFL) .....	63.47	
28 46 31 11-0010	EA		Splicing Connector For Linear Heat Detector (Protectowire PWSC) .....	25.79	
28 46 31 11-0011	EA		Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W) .....	8.36	
28 46 31 11-0012	EA		Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2) .....	8.36	
28 46 31 11-0013	EA		Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO) .....	9.18	
28 46 31 11-0014	EA		Beam Clamp For Linear Heat Detector (Protectowire BC-2) .....	14.32	
28 46 31 11-0015	EA		Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P) .....	14.92	
28 46 31 11-0016	EA		Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A) .....	1.52	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 31 11-0017 EA Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B).....	2.07	
28 46 31 11-0018 EA Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C).....	9.13	
<b>28 46 41 Fire-Alarm Notification Appliances (28 46)</b>		
<b>28 46 41 11 Audible Fire-Alarm Notification Appliances (28 46 41)</b>		
See CSI section 28 46 13 31-0000 for fire alarm speakers.		
<b>28 46 41 31 Combination Fire-Alarm Notification Appliances (28 46 41)</b>		
See CSI section 28 46 13 31-0000 for fire alarm horns and strobes.		
<b>28 47 Mass Notification (28 40)</b>		
<b>28 47 15 Mass Notification Control Panels (28 47)</b>		
<b>28 47 15 00-0001 Central Station Controls (28 47 15)</b>		
28 47 15 00-0002 EA Desktop 18 Function Base Station Control/Encoder (Whelen E747).....	932.68	
28 47 15 00-0003 EA Desktop 35 Function Base Station Control/Encoder (Whelen E969).....	1,518.60	
28 47 15 00-0004 EA Desktop Central Station Control Encoder/Decoder (Whelen E2010).....	4,214.36	
28 47 15 00-0005 EA Siren Status Printer And Cable Option For E2010 (Whelen E2010P).....	1,310.20	26.08
28 47 15 00-0006 EA Rack Mounted Central Station Control Encoder/Decoder (Whelen E2010R).....	4,844.73	26.08
28 47 15 00-0007 EA Internal Option To Convert E2010 To FSK Format (Whelen E2010FSK).....	726.11	26.08
28 47 15 00-0008 EA Option To Convert Activation Controls To FSK Format (Whelen FSKCEO).....	821.39	26.08
<b>28 47 17 Notification Devices and Methods (28 47)</b>		
<b>28 47 17 17 Notification Appliances and Methods Public Methods (28 47 17)</b>		
<b>28 47 17 17-0001 Voice Capable Omni-Directional Speakers (28 47 17 17)</b>		
28 47 17 17-0002 EA 1 Cell, 109 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2901A).....	12,834.99	707.53
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0003 EA 2 Cells, 115 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2902A).....	15,725.85	738.29
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0004 EA 3 Cells, 119 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2903A).....	18,580.77	769.05
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0005 EA 4 Cells, 121 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2904A).....	21,435.69	799.81
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0006 EA 5 Cells, 123 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2905A).....	24,362.51	830.57
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0007 EA 6 Cells, 125 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2906A).....	29,266.33	861.34
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0008 EA 7 Cells, 126 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2907A).....	32,157.19	892.10
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0009 EA 8 Cells, 127 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2908A).....	35,635.18	922.86
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0010 EA 9 Cells, 128 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2909A).....	38,490.10	953.62
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0011 EA 10 Cells, 129 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2910A).....	41,380.97	984.38
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0012 EA 3 Cells, 127 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4003).....	28,187.96	861.34
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0013 EA 4 Cells, 129 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4004).....	30,036.40	892.10
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0014 EA One-Way Control, 10 Digit DTMF Landline (Whelen D2030LL).....	462.24	26.08
28 47 17 17-0015 EA VHF High-Band Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NV).....	2,113.04	26.08
28 47 17 17-0016 EA UHF Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NU).....	2,113.04	26.08
28 47 17 17-0017 EA UHF Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WU).....	1,909.34	26.08
28 47 17 17-0018 EA VHF High-Band Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WV).....	1,849.43	26.08
28 47 17 17-0019 EA Two-Tone Sequential Option (Whelen WPSTT).....	427.01	26.08
28 47 17 17-0020 EA Full Function Auxiliary/Status Board For Contact Closure Activation (Two Way) (Whelen AUXCS).....	547.39	26.08
28 47 17 17-0021 EA Landline, 10 Digit DTMF (Whelen C2030LL).....	568.92	26.08
28 47 17 17-0022 EA VHF High-Band Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NV).....	3,013.39	26.08
28 47 17 17-0023 EA UHF Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NU).....	2,316.73	26.08
28 47 17 17-0024 EA UHF Wide-Band, 10 Digit DTMF (Whelen C2030WU).....	2,316.73	26.08
28 47 17 17-0025 EA VHF High-Wide Band, 10 Digit DTMF (Whelen C2030WV).....	2,316.73	26.08
28 47 17 17-0026 EA Option To Convert WPS Activation Controls To FSK Format (Whelen FSKXMOD).....	821.39	26.08
28 47 17 17-0027 EA Cabinet Window LED Status Indicator (Whelen STATUS).....	538.90	26.08
28 47 17 17-0028 EA Paging Interface Whelen Tones With Existing In-Plant Systems (Whelen PGINT).....	350.67	26.08
28 47 17 17-0029 EA Intrusion Alarm (Whelen INTRUWPS).....	265.52	26.08
28 47 17 17-0030 EA Custom Pre-Recorded Messages (One Time Set-Up Charge Per Message) (Whelen MSGPROG).....	186.94	
28 47 17 17-0031 EA Whelen Library Messages (Whelen MSGPROGL).....	37.44	
28 47 17 17-0032 EA Noise Cancelling Microphone Includes Local Microphone Input Harness (Whelen WPSNCMIC).....	142.68	26.08
28 47 17 17-0033 EA One Pair Of Whelen Approved Batteries (Whelen WPSBATT).....	1,075.12	39.12
28 47 17 17-0034 EA WPS And OA Series, Roof Top Mounted (Whelen RTM).....	10,004.03	676.76
28 47 17 17-0035 EA Two 80 Watt Panels, Solar Power System (Whelen SBC280).....	4,231.01	156.46
Note: Includes mounting bracket and regulator.		
28 47 17 17-0036 EA Amber, 6 LED Lights For The Base Of WPS Series (Whelen VALERTA).....	2,163.08	39.12
28 47 17 17-0037 EA Blue, 6 LED Lights For The Base Of WPS Series (Whelen VALERTB).....	2,163.08	39.12
28 47 17 17-0038 EA Clear, 6 LED Lights For The Base Of WPS Series (Whelen VALERTC).....	2,163.08	39.12
28 47 17 17-0039 EA Green, 6 LED Lights For The Base Of WPS Series (Whelen VALERTG).....	2,163.08	39.12
28 47 17 17-0040 EA Red, 6 LED Lights For The Base Of WPS Series Products (Whelen VALERTR).....	2,163.08	39.12
28 47 17 17-0041 EA Amber, 24 Volt DC, LED, Beacon (Whelen L31HAF4).....	692.88	39.12

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0042 EA Blue, 24 Volt DC, LED, Beacon (Whelen L31HBF4).....	692.88	39.12
28 47 17 17-0043 EA Red, 24 Volt DC, LED, Beacon (Whelen L31HRF4).....	692.88	39.12
28 47 17 17-0044 EA Amber, 24 Volt DC, Strobe (Whelen ISB24A).....	541.17	39.12
28 47 17 17-0045 EA Blue, 24 Volt DC, Strobe (Whelen ISB24B).....	541.17	39.12
28 47 17 17-0046 EA Clear, 24 Volt DC, Strobe (Whelen ISB24C).....	541.17	39.12
28 47 17 17-0047 EA Green, 24 Volt DC, Strobe (Whelen ISB24G).....	541.17	39.12
28 47 17 17-0048 EA Red, 24 Volt DC, Strobe (Whelen ISB24R).....	541.17	39.12
28 47 17 17-0049 EA Strobe/LED Controller With Mounting Plate, Hardware And Harnessing For ISB24 (Whelen SCWPS).....	834.57	26.08
28 47 17 17-0050 EA Strobe Controller (Whelen STCTRL).....	573.82	26.08
28 47 17 17-0051 EA LED Controller (Whelen LEDCTRL).....	573.82	26.08
28 47 17 17-0052 EA Speaker Driver Handle/Plate Assembly Only (Less Speaker Driver) (Whelen EZ-PULL).....	377.77	39.12
28 47 17 17-0053 EA Siren Diagnostic and Programming Software In CD Format (Whelen SDPTS).....	474.85	
28 47 17 17-0054 EA 400 Watt Speaker Driver (Whelen SPKDRV).....	796.97	26.08
28 47 17 17-0055 EA Cabinet Window LED Status Indicator (Whelen STATUS).....	398.62	26.08
28 47 17 17-0056 EA Noise Cancelling Microphone Option For Encoder (Whelen WPSMIC).....	142.68	26.08
28 47 17 17-0057 EA Notifier/Whelen Interface Board (Whelen NAUXCS).....	788.16	26.08
<b>28 47 17 17-0058 Tone Only, Omni-Alert Sirens (28 47 17 17)</b>		
28 47 17 17-0059 EA One Cell, Tone Only, Omni-Alert Siren (Whelen OA1).....	10,327.54	676.76
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0060 EA Two Cell, Tone Only, Omni-Alert Siren (Whelen OA2).....	12,954.81	707.53
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0061 EA Three Cell, Tone Only, Omni-Alert Siren (Whelen OA3).....	15,558.10	738.29
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0062 EA Four Cell, Tone Only, Omni-Alert Siren (Whelen OA4).....	18,221.31	769.05
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0063 EA One Way Controls, Auxiliary Board For Contact Closure Activation (Whelen OAXIN).....	294.18	26.08
28 47 17 17-0064 EA One Way Landline Activation, 10 Digit DTMF (Whelen OD2030LL).....	462.24	26.08
28 47 17 17-0065 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen OD230NV).....	2,113.04	26.08
28 47 17 17-0066 EA UHF Narrow-Band, 10 Digit DTMF (Whelen OD230NU).....	2,113.04	26.08
28 47 17 17-0067 EA UHF Wide-Band, 10 Digit DTMF (Whelen OD230WU).....	1,909.34	26.08
28 47 17 17-0068 EA VHF High-Wide Band, 10 Digit DTMF (Whelen OD230WV).....	1,849.43	26.08
28 47 17 17-0069 EA One-Way Control Two-Tone Sequential Option (Whelen OTT).....	372.20	26.08
28 47 17 17-0070 EA Two Way Controls, Contact Closure Activation Board (Whelen OAXCS).....	658.43	26.08
28 47 17 17-0071 EA Two Way Landline Activation (Whelen OC2030LL).....	684.79	26.08
28 47 17 17-0072 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen OC230NV).....	2,316.73	26.08
28 47 17 17-0073 EA UHF Narrow-Band, 10 Digit DTMF (Whelen OC230NU).....	2,316.73	26.08
28 47 17 17-0074 EA UHF, 10 Digit DTMF (Whelen OC230WU).....	2,316.73	26.08
28 47 17 17-0075 EA VHF High Band, 10 Digit DTMF (Whelen OC230WV).....	2,316.73	26.08
28 47 17 17-0076 EA Converts The Omni-Alert Siren Activation Controls To FSK Format (Whelen OFSKXMOD).....	221.39	26.08
28 47 17 17-0077 EA Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen OPGINT).....	350.67	26.08
28 47 17 17-0078 EA Cabinet Window LED Status Indicator (Whelen OSTATUS).....	398.62	26.08
28 47 17 17-0079 EA Intrusion Alarm (Whelen OINTRU).....	212.66	26.08
28 47 17 17-0080 EA 80 Watt Solar Power Option (Whelen OSBC280).....	4,231.01	156.46
28 47 17 17-0081 EA One Pair Of Whelen Approved Batteries For OmniaAlert (Whelen BSETO).....	810.33	39.12
<b>28 47 17 17-0082 Tone-Only Rotating Directional Speakers (28 47 17 17)</b>		
28 47 17 17-0083 EA 3 Cells, 127 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR3).....	21,675.33	799.81
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0084 EA 4 Cells, 129 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR4).....	22,996.57	830.57
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0085 EA Limited Function Auxiliary Board For Contact Closure Activation (Whelen VAUXIN).....	249.86	26.08
28 47 17 17-0086 EA Landline, 10 Digit DTMF (Whelen VD2030LL).....	554.19	26.08
28 47 17 17-0087 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen VD230NV).....	2,113.04	26.08
28 47 17 17-0088 EA UHF Narrow-Band, 10 Digit DTMF (Whelen VD230NU).....	2,113.04	26.08
28 47 17 17-0089 EA UHF Wide-Band, 10 Digit DTMF (Whelen VD230WU).....	1,909.34	26.08
28 47 17 17-0090 EA VHF High-Wide Band, 10 Digit DTMF (Whelen VD230WV).....	1,849.43	26.08
28 47 17 17-0091 EA Two-Tone Sequential Option (Order One-Way Control Option, Above, VD2020L, VD2020H, VD2020U) (Whelen VORTT).....	372.20	26.08
28 47 17 17-0092 EA Full Function Auxiliary/Status Control Board For Contact Closure Activation (Whelen VAUXCS).....	645.25	26.08
28 47 17 17-0093 EA Landline, 10 Digit DTMF (Whelen VC2030LL).....	684.79	26.08
28 47 17 17-0094 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen VC230NV).....	2,316.73	26.08
28 47 17 17-0095 EA UHF Narrow-Band, 10 Digit DTMF (Whelen VC230NU).....	2,316.73	26.08
28 47 17 17-0096 EA UHF, 10 Digit DTMF (Whelen VC230WU).....	2,316.73	26.08
28 47 17 17-0097 EA VHF High Band, 10 Digit DTMF (Whelen VC230WV).....	2,316.73	26.08
28 47 17 17-0098 EA Option To Convert The Vortex Activation Controls To FSK Format (Whelen VFASKXMOD).....	821.39	26.08
28 47 17 17-0099 EA Cabinet Window LED Status Indicator (Whelen VSTATUS).....	476.31	26.08
28 47 17 17-0100 EA Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen VPGINT).....	350.67	26.08
28 47 17 17-0101 EA Vortex Intrusion Alarm (Whelen VINTRU).....	212.66	26.08
28 47 17 17-0102 EA Speaker Pole Top Bracket (Whelen VPTB).....	658.43	26.08
28 47 17 17-0103 EA 80 Watt Solar Power Option (Whelen VSBC280).....	4,231.01	156.46
28 47 17 17-0104 EA One Pair Of Whelen Approved Batteries For Vortex Series (Whelen BSETVOR).....	810.33	39.12
28 47 17 17-0105 EA Program Charge For Custom VROM Message (Whelen VPROG).....	3,338.33	
<b>28 47 17 17-0106 Uni-Directional Rotating Speakers (28 47 17 17)</b>		
28 47 17 17-0107 EA 118 dB, Uni-Directional Rotating Speaker (Whelen HORNET).....	13,745.61	707.53
28 47 17 17-0108 EA One Way Contact Closure Activation Control Board (Whelen HAUXIN).....	249.86	26.08
28 47 17 17-0109 EA Landline, One Way Control, 10 Digit DTMF (Whelen HD2030LL).....	554.19	26.08



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0110	EA			VHF High-Narrow Band, One Way Control, 10 Digit DTMF (Whelen HD230NV) .....	2,113.04	26.08
28 47 17 17-0111	EA			UHF Narrow-Band, One Way Control, 10 Digit DTMF (Whelen HD230NU) .....	2,113.04	26.08
28 47 17 17-0112	EA			UHF Wide-Band, One Way Control, 10 Digit DTMF (Whelen HD230WU).....	1,909.34	26.08
28 47 17 17-0113	EA			VHF High-Wide Band, One Way Control, 10 Digit DTMF (Whelen HD230WV).....	1,849.43	26.08
28 47 17 17-0114	EA			Two-Tone Sequential Option For Hornet (Whelen HORTT) .....	443.96	26.08
28 47 17 17-0115	EA			Two Way Contact Closure Activation And Status Control Board (Whelen HAUXCS) .....	536.63	26.08
28 47 17 17-0116	EA			Landline, Two Way Control, 10 Digit DTMF (Whelen HC2030LL) .....	568.92	26.08
28 47 17 17-0117	EA			VHF High-Narrow Band, Two Way Control, 10 Digit DTMF (Whelen HC230NV) .....	2,316.73	26.08
28 47 17 17-0118	EA			UHF Narrow-Band, Two Way Control, 10 Digit DTMF (Whelen HC230NU) .....	2,316.73	26.08
28 47 17 17-0119	EA			UHF, Two Way Control, 10 Digit DTMF (Whelen HC230WU) .....	2,316.73	26.08
28 47 17 17-0120	EA			VHF High Band, Two Way Control, 10 Digit DTMF (Whelen HC230WV) .....	2,316.73	26.08
28 47 17 17-0121	EA			Converts Siren Activation Controls To FSK Format (Whelen HFSKXMOD) .....	821.39	26.08
28 47 17 17-0122	EA			LED Status Indicator (Whelen HSTATUS).....	398.62	26.08
28 47 17 17-0123	EA			Option For Paging Interface (Whelen HPGINT).....	350.67	26.08
28 47 17 17-0124	EA			Intrusion Alarm (Whelen HINTRU).....	212.66	26.08
28 47 17 17-0125	EA			Solar Power Option (Whelen HSBC280) .....	4,231.01	156.46
28 47 17 17-0126	EA			Pole Top Bracket For Speaker (Whelen HPTB).....	565.99	26.08
28 47 17 17-0127	EA			One Pair Of Whelen Approved Batteries (Whelen BSETF) .....	810.33	39.12
<b>28 47 17 17-0128</b>	<b>All Hazard In-Plant Personnel Warning System <small>(28 47 17 17)</small></b>					
28 47 17 17-0129	EA			400 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS400) .....	6,749.31	834.49
28 47 17 17-0130	EA			800 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS800) .....	8,216.03	938.80
28 47 17 17-0131	EA			15 Watt, Wide Angle Speaker (Whelen WS15T) .....	355.21	39.12
28 47 17 17-0132	EA			Recess Mounted, 15 Watt Speaker (Whelen WS15TR) .....	339.55	39.12
28 47 17 17-0133	EA			With Grill, Recess Mounted, 15 Watt Speaker (Whelen WS15TEN) .....	652.75	39.12
28 47 17 17-0134	EA			30 Watt, Wide Angle Speaker (Whelen WS30T) .....	444.28	39.12
28 47 17 17-0135	EA			60 Watt, Wide Angle Speaker (Whelen WS60T) .....	902.33	39.12
28 47 17 17-0136	EA			Explosion-Proof, 60 Watt, Wide Angle Speaker (Whelen WSXPL6T) .....	1,682.26	44.33
28 47 17 17-0137	EA			100 Watt, Wide Angle Speaker (Whelen WS100).....	573.47	39.12
28 47 17 17-0138	EA			Weatherproof Housing, 100 Watt, Wide Angle Speaker (Whelen WS100TCH) .....	897.11	44.33
28 47 17 17-0139	EA			Intrusion Alarm For Whelen Outdoor Speaker Cabinets (Whelen INTRU) .....	212.66	26.08
<b>28 47 17 17-0140</b>	<b>Firehouse Siren <small>(28 47 17 17)</small></b>					
28 47 17 17-0141	EA			Auxiliary Board Contact Closure (Whelen FAUXIN) .....	249.86	26.08
28 47 17 17-0142	EA			Two-Tone Sequential Option (Whelen FTT) .....	372.20	26.08
28 47 17 17-0143	EA			Auxiliary/Status Control Board (Whelen FAUXCS) .....	645.25	26.08
28 47 17 17-0144	EA			Landline, 10 Digit DTMF (Whelen FC2030LL).....	568.92	26.08
28 47 17 17-0145	EA			VHF High-Narrow Band, 10 Digit DTMF (Whelen FC230NV).....	2,316.73	26.08
28 47 17 17-0146	EA			UHF Narrow-Band, 10 Digit DTMF (Whelen FC230NU).....	2,316.73	26.08
28 47 17 17-0147	EA			UHF, 10 Digit DTMF (Whelen FC230WU).....	2,316.73	26.08
28 47 17 17-0148	EA			VHF High Band, 10 Digit DTMF (Whelen FC230WV).....	2,316.73	26.08
28 47 17 17-0149	EA			Paging Interface Control Option (Whelen FPGINT).....	350.67	26.08
28 47 17 17-0150	EA			Intrusion Alarm Control Option (Whelen FINTRU) .....	212.66	26.08
28 47 17 17-0151	EA			Solar Power Option (Whelen FSBC280).....	4,231.01	156.46
Note: Two 80 watt panels, with brackets and solar regulator.						
<b>28 47 17 17-0152</b>	<b>Alert Monitor And Message Display <small>(28 47 17 17)</small></b>					
28 47 17 17-0153	EA			Alert Monitor With Radio Receiver VHF High Band (Whelen V2000H).....	1,933.31	26.08
28 47 17 17-0154	EA			Alert Monitor VHF High-Narrow Band (Whelen V2000NH).....	1,933.31	26.08
28 47 17 17-0155	EA			Alert Monitor UHF Narrow-Band (Whelen V2000NU).....	1,933.31	26.08
28 47 17 17-0156	EA			Alert Monitor With Radio Receiver UHF (Whelen V2000U).....	1,933.31	26.08
28 47 17 17-0157	EA			Internal Battery And Charger For VA2000 Series (Whelen VA2BATT).....	222.10	39.12
28 47 17 17-0158	EA			Mounting Bracket For Under Cabinet Or Vehicle Mounting - VA2000 Series (Whelen VA2MTG).....	62.92	26.08
28 47 17 17-0159	EA			Factory Programming Of 1 To 15 VA2000 Display Messages (Whelen VA2PROGA).....	138.98	
28 47 17 17-0160	EA			Factory Programming Of 16 To 45 VA2000 Display Messages (Whelen VA2PROGB).....	218.26	
<b>28 47 17 17-0161</b>	<b>Portable Test Set <small>(28 47 17 17)</small></b>					
28 47 17 17-0162	EA			VHF High Band, Portable Test Set (Whelen PT2010H).....	7,824.18	
28 47 17 17-0163	EA			VHF Low Band, Portable Test Set (Whelen PT2010L) .....	7,824.18	
28 47 17 17-0164	EA			UHF, Portable Test Set (Whelen PT2010U) .....	7,824.18	
<b>28 47 17 17-0165</b>	<b>Replacement Warning Lights <small>(28 47 17 17)</small></b>					
28 47 17 17-0166	EA			Amber, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IA) .....	349.66	41.73
28 47 17 17-0167	EA			Blue, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IB).....	349.66	41.73
28 47 17 17-0168	EA			Clear, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IC).....	349.66	41.73
28 47 17 17-0169	EA			Green, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IG).....	349.66	41.73
28 47 17 17-0170	EA			Red, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IR) .....	349.66	41.73
28 47 17 17-0171	EA			Amber, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IA).....	376.08	41.73
28 47 17 17-0172	EA			Blue, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IB).....	243.95	41.73
28 47 17 17-0173	EA			Clear, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IC) .....	372.17	41.73
28 47 17 17-0174	EA			Green, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IG).....	372.17	41.73
28 47 17 17-0175	EA			Red, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IR) .....	372.17	41.73
28 47 17 17-0176	EA			Amber, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HA).....	349.66	41.73
28 47 17 17-0177	EA			Blue, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HB).....	349.66	41.73
28 47 17 17-0178	EA			Clear, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HC).....	349.66	41.73

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0179	EA		Green, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HG) .....	349.66	41.73
28 47 17 17-0180	EA		Red, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HR).....	349.66	41.73
28 47 17 17-0181	EA		Amber, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HA) .....	391.74	41.73
28 47 17 17-0182	EA		Blue, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HB) .....	391.74	41.73
28 47 17 17-0183	EA		Clear, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HC).....	253.74	41.73
28 47 17 17-0184	EA		Green, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HG) .....	253.74	41.73
28 47 17 17-0185	EA		Red, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HR).....	253.74	41.73
<b>28 47 17 17-0186</b>			<b>Antenna <sup>(28 47 17 17)</sup></b>		
28 47 17 17-0187	EA		50' Antenna Cable (Honeywell Ademco 7626-50HC) .....	281.04	
28 47 17 17-0188	EA		External/Remote Weatherproof Antenna (Honeywell Ademco GSM-ANT3DB).....	245.28	
28 47 17 17-0189	EA		80GHz Millimeter Wave Radio (BridgeWave Flex4G-1000) .....	13,959.76	
<b>28 49</b>			<b>Electronic Personal Protection Systems <sup>(28 49)</sup></b>		
<b>28 49 11</b>			<b>Electronic Personal Safety Detection Systems <sup>(28 49)</sup></b>		
<b>28 49 11 00-0001</b>			<b>Personnel Alarm Locating System <sup>(28 49 11)</sup></b>		
			Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.		
28 49 11 00-0002	EA		Personnel Alarm Locating System.....	21,886.58	837.43
			Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.		
28 49 11 00-0003	EA		Personnel Alarm Transmitters With Lithium Batteries.....	175.17	
28 49 11 00-0004	EA		Lapel Reader .....	67.37	
28 49 11 00-0005	EA		IR Locator .....	237.86	31.35
28 49 11 00-0006	EA		Repeaters And Receivers .....	572.83	104.51
<b>28 49 17</b>			<b>Electronic Personal Safety Emergency Aid Devices <sup>(28 49)</sup></b>		
<b>28 49 17 00-0001</b>			<b>Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) <sup>(28 49 17)</sup></b>		
<b>28 49 17 00-0002</b>			<b>Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) <sup>(28 49 17 00-0001)</sup></b>		
28 49 17 00-0003	EA		Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5) .....	303.70	62.71
			Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).		
28 49 17 00-0004	EA		Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5) .....	360.69	73.16
			Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.		
28 49 17 00-0005	EA		Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5).....	363.51	73.16
			Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.		
<b>28 49 17 00-0006</b>			<b>Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) <sup>(28 49 17 00-0001)</sup></b>		
28 49 17 00-0007	EA		High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5).....	225.34	39.19
28 49 17 00-0008	EA		High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5) .....	221.27	31.35
28 49 17 00-0009	EA		Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592).....	98.28	31.35
28 49 17 00-0010	EA		1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5).....	177.60	31.35
28 49 17 00-0011	EA		2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5).....	205.96	31.35
28 49 17 00-0012	EA		4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5).....	235.38	31.35
28 49 17 00-0013	EA		2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2).....	329.99	31.35
28 49 17 00-0014	EA		4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4).....	370.69	31.35
<b>28 49 17 00-0015</b>			<b>Call Activation Devices, Emergency Aid Devices (Edwards Signaling) <sup>(28 49 17 00-0001)</sup></b>		
28 49 17 00-0016	EA		Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537).....	133.86	31.35
28 49 17 00-0017	EA		Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E) .....	201.47	31.35
28 49 17 00-0018	EA		Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E) .....	266.73	31.35
28 49 17 00-0019	EA		3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302).....	291.98	10.45
28 49 17 00-0020	EA		Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930) .....	207.50	31.35
28 49 17 00-0021	EA		Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L).....	246.54	31.35
28 49 17 00-0022	EA		Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L) .....	424.41	31.35
28 49 17 00-0023	EA		Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620) .....	196.77	31.35
28 49 17 00-0024	EA		Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675) .....	246.37	10.45
28 49 17 00-0025	EA		Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676) .....	382.60	10.45
28 49 17 00-0026	EA		Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685) .....	390.97	10.45



<b>Electronic Safety and Security</b>	<b>28</b>	<b>28</b>
Life Safety	28 40	
Electronic Personal Protection Systems	28 49	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 49 17 00-0027 EA Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686) .....	516.07	10.45

**END OF SECTION 28**

**28 Electronic Safety and Security**

28 40 Life Safety

28 49 Electronic Personal Protection Systems



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 31 Earthwork

### 31 05 Common Work Results for Earthwork <sup>(31)</sup>

#### 31 05 13 Soils for Earthwork <sup>(31 05)</sup>

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

#### 31 05 13 00-0001 Fill Material (Loose, Purchased Material) <sup>(31 05 13)</sup>

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 13 00-0002	CY Bank Run/Fill Sand.....	40.81	
	For Up To 8, Add	8.16	
	For >8 To 16, Add	4.08	
	For >48 To 64, Deduct	-2.94	
	For >64 To 96, Deduct	-4.98	
	For >96, Deduct	-7.02	
31 05 13 00-0003	CY Screened/Washed Filter/Septic Sand.....	48.69	
	For Up To 8, Add	9.74	
	For >8 To 16, Add	4.87	
	For >48 To 64, Deduct	-3.33	
	For >64 To 96, Deduct	-5.77	
	For >96, Deduct	-8.20	
31 05 13 00-0004	CY 3/8" Minus, ASTM C33, Screened/Washed Bedding Sand.....	67.59	
	For Up To 8, Add	13.52	
	For >8 To 16, Add	6.76	
	For >48 To 64, Deduct	-4.28	
	For >64 To 96, Deduct	-7.66	
	For >96, Deduct	-11.04	
31 05 13 00-0005	CY 3/16" Minus, Screened/Washed Concrete Sand.....	60.50	
	For Up To 8, Add	12.10	
	For >8 To 16, Add	6.05	
	For >48 To 64, Deduct	-3.92	
	For >64 To 96, Deduct	-6.95	
	For >96, Deduct	-9.97	
31 05 13 00-0006	CY 3/32" Minus, Screened/Washed Masonry/Mortar Sand.....	109.32	
	For Up To 8, Add	21.86	
	For >8 To 16, Add	10.93	
	For >48 To 64, Deduct	-6.37	
	For >64 To 96, Deduct	-11.83	
	For >96, Deduct	-17.30	
31 05 13 00-0007	CY Common Fill, Native Soil/Dirt.....	51.05	
	For Up To 8, Add	10.21	
	For >8 To 16, Add	5.11	
	For >48 To 64, Deduct	-3.45	
	For >64 To 96, Deduct	-6.00	
	For >96, Deduct	-8.56	
31 05 13 00-0008	CY Lime Rock Screening.....	46.09	
	For Up To 8, Add	9.22	
	For >8 To 16, Add	4.61	
	For >48 To 64, Deduct	-3.20	
	For >64 To 96, Deduct	-5.51	
	For >96, Deduct	-7.81	
31 05 13 00-0009	CY Crushed Lime Rock Maximum 3-1/2".....	46.09	
	For Up To 8, Add	9.22	
	For >8 To 16, Add	4.61	
	For >48 To 64, Deduct	-3.20	
	For >64 To 96, Deduct	-5.51	
	For >96, Deduct	-7.81	
31 05 13 00-0010	CY Sand/Clay.....	42.16	
	For Up To 8, Add	8.43	
	For >8 To 16, Add	4.22	
	For >48 To 64, Deduct	-3.01	
	For >64 To 96, Deduct	-5.12	
	For >96, Deduct	-7.22	
31 05 13 00-0011	CY Recycled Concrete Aggregate.....	41.21	
	For Up To 8, Add	8.24	
	For >8 To 16, Add	4.12	
	For >48 To 64, Deduct	-2.96	
	For >64 To 96, Deduct	-5.02	
	For >96, Deduct	-7.08	
31 05 13 00-0012	CY Pitrun Clay.....	74.67	
	For Up To 8, Add	14.93	
	For >8 To 16, Add	7.47	
	For >48 To 64, Deduct	-4.63	
	For >64 To 96, Deduct	-8.37	
	For >96, Deduct	-12.10	
31 05 13 00-0013	CY Light Clay / Loam.....	60.42	
	For Up To 8, Add	12.08	
	For >8 To 16, Add	6.04	
	For >48 To 64, Deduct	-3.92	
	For >64 To 96, Deduct	-6.94	
	For >96, Deduct	-9.96	

**31 Earthwork****31 05 Common Work Results for Earthwork****31 05 13 Soils for Earthwork**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

31 05 13 00-0014	CY Heavy Clay .....	74.67
	For Up To 8, Add	14.93
	For >8 To 16, Add	7.47
	For >48 To 64, Deduct	-4.63
	For >64 To 96, Deduct	-8.37
	For >96, Deduct	-12.10

**31 05 16 Aggregates for Earthwork** (31 05)

See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

**31 05 16 00-0001 Aggregate (Loose, Purchased Material)** (31 05 16)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 16 00-0002	CY #2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean) .....	62.07
	For Up To 8, Add	12.41
	For >8 To 16, Add	6.21
	For >48 To 64, Deduct	-4.00
	For >64 To 96, Deduct	-7.11
	For >96, Deduct	-10.21
31 05 16 00-0003	CY #3 Stone Aggregate Fill (1" To 2" Clean) .....	64.66
	For Up To 8, Add	12.93
	For >8 To 16, Add	6.47
	For >48 To 64, Deduct	-4.13
	For >64 To 96, Deduct	-7.37
	For >96, Deduct	-10.60
31 05 16 00-0004	CY #4 Stone Aggregate Fill (3/4" To 1-1/2" Clean) .....	62.07
	For Up To 8, Add	12.41
	For >8 To 16, Add	6.21
	For >48 To 64, Deduct	-4.00
	For >64 To 96, Deduct	-7.11
	For >96, Deduct	-10.21
31 05 16 00-0005	CY #5 Stone Aggregate Fill (1/2" To 1" Clean) .....	66.53
	For Up To 8, Add	13.31
	For >8 To 16, Add	6.65
	For >48 To 64, Deduct	-4.23
	For >64 To 96, Deduct	-7.55
	For >96, Deduct	-10.88
31 05 16 00-0006	CY #6 Stone Aggregate Fill (3/8" To 3/4" Clean) .....	69.16
	For Up To 8, Add	13.83
	For >8 To 16, Add	6.92
	For >48 To 64, Deduct	-4.36
	For >64 To 96, Deduct	-7.82
	For >96, Deduct	-11.27
31 05 16 00-0007	CY #56 Stone Aggregate Fill (3/8" To 1") .....	66.94
	For Up To 8, Add	13.39
	For >8 To 16, Add	6.69
	For >48 To 64, Deduct	-4.25
	For >64 To 96, Deduct	-7.59
	For >96, Deduct	-10.94
31 05 16 00-0008	CY #57 Stone Aggregate Fill (3/8" To 1") .....	71.52
	For Up To 8, Add	14.30
	For >8 To 16, Add	7.15
	For >48 To 64, Deduct	-4.48
	For >64 To 96, Deduct	-8.05
	For >96, Deduct	-11.63
31 05 16 00-0009	CY #67 Or #68 Stone Aggregate Fill (3/16" To 3/4") .....	64.52
	For Up To 8, Add	12.90
	For >8 To 16, Add	6.45
	For >48 To 64, Deduct	-4.13
	For >64 To 96, Deduct	-7.35
	For >96, Deduct	-10.58
31 05 16 00-0010	CY #7 Stone Aggregate Fill (3/8" To 1/2") .....	65.79
	For Up To 8, Add	13.16
	For >8 To 16, Add	6.58
	For >48 To 64, Deduct	-4.19
	For >64 To 96, Deduct	-7.48
	For >96, Deduct	-10.77
31 05 16 00-0011	CY #78 Stone Aggregate Fill (3/32" To 1/2") .....	66.34
	For Up To 8, Add	13.27
	For >8 To 16, Add	6.63
	For >48 To 64, Deduct	-4.22
	For >64 To 96, Deduct	-7.53
	For >96, Deduct	-10.85
31 05 16 00-0012	CY #8 Stone Aggregate Fill (3/32" To 3/8") .....	69.16
	For Up To 8, Add	13.83
	For >8 To 16, Add	6.92
	For >48 To 64, Deduct	-4.36
	For >64 To 96, Deduct	-7.82
	For >96, Deduct	-11.27
31 05 16 00-0013	CY #89 Stone Aggregate Fill (1/16" To 3/8") .....	69.95
	For Up To 8, Add	13.99
	For >8 To 16, Add	7.00
	For >48 To 64, Deduct	-4.40
	For >64 To 96, Deduct	-7.89
	For >96, Deduct	-11.39





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0014 CY #9 Stone Aggregate Fill (3/32" To 3/16") .....	69.16	
For Up To 8, Add	13.83	
For >8 To 16, Add	6.92	
For >48 To 64, Deduct	-4.36	
For >64 To 96, Deduct	-7.82	
For >96, Deduct	-11.27	
31 05 16 00-0015 CY #10 Stone Aggregate Fill (1/16" To 3/16") .....	70.78	
For Up To 8, Add	14.16	
For >8 To 16, Add	7.08	
For >48 To 64, Deduct	-4.44	
For >64 To 96, Deduct	-7.98	
For >96, Deduct	-11.52	
31 05 16 00-0016 CY #610 Modified Stone Aggregate Fill (1/16" To 3/4") .....	69.95	
For Up To 8, Add	13.99	
For >8 To 16, Add	7.00	
For >48 To 64, Deduct	-4.40	
For >64 To 96, Deduct	-7.89	
For >96, Deduct	-11.39	
31 05 16 00-0017 CY Screenings Stone Aggregate Fill (3/16" Max) .....	58.45	
For Up To 8, Add	11.69	
For >8 To 16, Add	5.85	
For >48 To 64, Deduct	-3.82	
For >64 To 96, Deduct	-6.74	
For >96, Deduct	-9.67	
31 05 16 00-0018 CY Over 6" To 12" Stone Aggregate Fill, Random Size .....	63.65	
For Up To 8, Add	12.73	
For >8 To 16, Add	6.37	
For >48 To 64, Deduct	-4.08	
For >64 To 96, Deduct	-7.26	
For >96, Deduct	-10.45	
31 05 16 00-0019 CY Over 6" To 12" Graded Stone Aggregate Fill .....	63.65	
For Up To 8, Add	12.73	
For >8 To 16, Add	6.37	
For >48 To 64, Deduct	-4.08	
For >64 To 96, Deduct	-7.26	
For >96, Deduct	-10.45	
31 05 16 00-0020 CY 3" To 7" Surge Stone Aggregate Fill, Random Size .....	68.85	
For Up To 8, Add	13.77	
For >8 To 16, Add	6.89	
For >48 To 64, Deduct	-4.34	
For >64 To 96, Deduct	-7.78	
For >96, Deduct	-11.23	
31 05 16 00-0021 CY 3" To 7" Surge Stone Graded Aggregate Fill .....	72.55	
For Up To 8, Add	14.51	
For >8 To 16, Add	7.26	
For >48 To 64, Deduct	-4.53	
For >64 To 96, Deduct	-8.15	
For >96, Deduct	-11.78	
31 05 16 00-0022 CY Crusher Run Aggregate Fill (2-1/2" Minus) .....	40.36	
For Up To 8, Add	8.07	
For >8 To 16, Add	4.04	
For >48 To 64, Deduct	-2.92	
For >64 To 96, Deduct	-4.94	
For >96, Deduct	-6.95	
31 05 16 00-0023 CY Crusher Run Aggregate Fill (1-1/2" Minus) .....	44.44	
For Up To 8, Add	8.89	
For >8 To 16, Add	4.44	
For >48 To 64, Deduct	-3.12	
For >64 To 96, Deduct	-5.34	
For >96, Deduct	-7.57	
31 05 16 00-0024 CY Crusher Run Aggregate Fill (3/4" Minus) .....	41.79	
For Up To 8, Add	8.36	
For >8 To 16, Add	4.18	
For >48 To 64, Deduct	-2.99	
For >64 To 96, Deduct	-5.08	
For >96, Deduct	-7.17	

31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization <sup>(31)</sup>

<sup>(05)</sup> See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing <sup>(31)</sup>

31 11 Clearing and Grubbing <sup>(31 10)</sup>

31 11 00 00-0001 Clear And Grub Roots And Stumps <sup>(31 11)</sup>

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002 ACR Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip .....	8,095.29
Note: Includes grub and removal of stump	
31 11 00 00-0003 ACR Clear And Grub Light Stumps Only Up To 6" Diameter .....	2,312.57
31 11 00 00-0004 ACR Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip .....	9,444.51
Note: Includes grub and removal of stump	
31 11 00 00-0005 ACR Clear And Grub Medium Stumps Only Up To 10" Diameter .....	3,854.29

<b>31</b>	<b>Earthwork</b>
<b>31 10</b>	<b>Site Clearing</b>
<b>31 11</b>	<b>Clearing and Grubbing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 11 00 00-0006 ACR Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip ..... Note: Includes grub and removal of stump	10,732.41	
31 11 00 00-0007 ACR Clear And Grub Heavy Stumps Only Up To 16" Diameter .....	4,380.40	
31 11 00 00-0008 ACR Clearing By Machine - Light Brush Without Grub .....	314.08	
31 11 00 00-0009 ACR Clearing By Machine - Medium Brush Without Grub .....	666.91	
31 11 00 00-0010 ACR Clearing By Machine - Heavy Brush Without Grub .....	947.32	
31 11 00 00-0011 ACR Chipping - Light Brush .....	2,518.99	
31 11 00 00-0012 ACR Chipping - Medium Brush .....	3,238.86	
31 11 00 00-0013 ACR Chipping - Heavy Brush .....	4,534.81	
<b>31 11 00 00-0014 Loading Of Cleared And Grubbed Material</b> <sup>(31 11)</sup> See CSI section 01 74 19 00-0039 for hauling.		
31 11 00 00-0015 CY Machine Loading Of Cleared And Grubbed Material .....	11.12	
31 11 00 00-0016 CY Chute Loading Of Cleared And Grubbed Material .....	13.35	
31 11 00 00-0017 CY Hand Loading Of Cleared And Grubbed Material .....	36.06	
31 11 00 00-0018 CY Wheel And Ramp Loading Of Cleared And Grubbed Material .....	28.34	
<b>31 13 Selective Tree and Shrub Removal and Trimming</b> <sup>(31 10)</sup>		
<b>31 13 13 Selective Tree and Shrub Removal</b> <sup>(31 13)</sup>		
<b>31 13 13 00-0001 Individual Tree Removal</b> <sup>(31 13 13)</sup> Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.		
31 13 13 00-0002 EA Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal .....	590.28	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0003 EA >6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal .....	885.43	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0004 EA >12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal .....	1,180.57	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0005 EA >24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal .....	1,770.84	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0006 EA >36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal .....	2,361.13	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0007 EA >48" To 60" D.B.H. (Diameter At Breast Height) Tree Removal .....	2,951.41	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0008 EA >60" To 72" D.B.H. (Diameter At Breast Height) Tree Removal .....	3,541.69	
Note: Includes cutting up tree, chipping and loading.		
<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	-737.85	
31 13 13 00-0009 EA >72" To 84" D.B.H. (Diameter At Breast Height) Tree Removal .....	4,722.26	
Note: Includes cutting up tree, chipping and loading.		
<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	-885.42	
<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	-1,180.57	
<b>31 13 13 00-0010 Stump Removal</b> <sup>(31 13 13)</sup> Note: Measured by diameter of stump.		
<b>31 13 13 00-0011 Stump Removal By Machine</b> <sup>(31 13 13 00-0010)</sup>		
31 13 13 00-0012 EA Up To 6" Diameter Stump Removal .....	115.62	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0013 EA >6" To 12" Diameter Stump Removal .....	221.63	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0014 EA >12" To 24" Diameter Stump Removal .....	289.08	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0015 EA >24" To 36" Diameter Stump Removal .....	433.61	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0016 EA >36" To 48" Diameter Stump Removal .....	510.73	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0017 EA >48" To 60" Diameter Stump Removal .....	601.27	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0018 EA >60" To 72" Diameter Stump Removal .....	713.04	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0019 EA >72" To 84" Diameter Stump Removal .....	838.31	
Note: Includes excavation necessary to remove stump and loading.		
<b>31 13 13 00-0020 Stump Removal By Hand</b> <sup>(31 13 13 00-0010)</sup>		
31 13 13 00-0021 EA Up To 6" Diameter Stump Removal By Hand .....	628.57	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0022 EA >6" To 12" Diameter Stump Removal By Hand .....	785.73	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0023 EA >12" To 24" Diameter Stump Removal By Hand .....	1,152.40	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0024 EA >24" To 36" Diameter Stump Removal By Hand .....	1,571.44	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		



<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Site Clearing</b>	<b>31 10</b>	
<b>Selective Tree and Shrub Removal and Trimming</b>	<b>31 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0025 EA >36" To 48" Diameter Stump Removal By Hand ..... Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,095.26	
31 13 13 00-0026 EA >48" To 60" Diameter Stump Removal By Hand ..... Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,619.08	
31 13 13 00-0027 EA >60" To 72" Diameter Stump Removal By Hand ..... Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	3,142.89	
31 13 13 00-0028 EA >72" To 84" Diameter Stump Removal By Hand ..... Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	3,666.70	
<b>31 13 13 00-0029 Stump Grinding</b> <sup>(31 13 13)</sup> Note: Measured by diameter of stump.		
<b>31 13 13 00-0030 Stump Grinding, 18" Deep Below Surface Of Soil</b> <sup>(31 13 13 00-0029)</sup> Note: Level soil to match existing surface area.		
31 13 13 00-0031 EA Stump Grinding Up To 6" Tree ..... <i>For 24" Depth, Add</i>	112.86 22.57	
31 13 13 00-0032 EA Stump Grinding >6" To 12" Tree..... <i>For 24" Depth, Add</i>	150.48 30.10	
31 13 13 00-0033 EA Stump Grinding >12" To 15" Tree..... <i>For 24" Depth, Add</i>	169.29 33.86	
31 13 13 00-0034 EA Stump Grinding >15" To 18" Tree..... <i>For 24" Depth, Add</i>	188.10 37.62	
31 13 13 00-0035 EA Stump Grinding >18" To 21" Tree..... <i>For 24" Depth, Add</i>	202.21 40.44	
31 13 13 00-0036 EA Stump Grinding >21" To 24" Tree..... <i>For 24" Depth, Add</i>	216.32 43.26	
31 13 13 00-0037 EA Stump Grinding >24" To 27" Tree..... <i>For 24" Depth, Add</i>	235.12 47.02	
31 13 13 00-0038 EA Stump Grinding >27" To 30" Tree..... <i>For 24" Depth, Add</i>	256.90 51.38	
31 13 13 00-0039 EA Stump Grinding >30" To 33" Tree..... <i>For 24" Depth, Add</i>	285.44 57.09	
31 13 13 00-0040 EA Stump Grinding >33" To 36" Tree..... <i>For 24" Depth, Add</i>	304.47 60.89	
31 13 13 00-0041 EA Stump Grinding >36" To 42" Tree..... <i>For 24" Depth, Add</i>	342.53 68.51	
31 13 13 00-0042 EA Stump Grinding >42" To 48" Tree..... <i>For 24" Depth, Add</i>	380.58 76.12	
31 13 13 00-0043 EA Stump Grinding >48" To 60" Tree..... <i>For 24" Depth, Add</i>	475.73 95.15	
31 13 13 00-0044 EA Stump Grinding >60" To 72" Tree..... <i>For 24" Depth, Add</i>	594.66 118.93	
31 13 13 00-0045 EA Stump Grinding >72" To 84" Tree..... <i>For 24" Depth, Add</i>	761.17 152.23	
<b>31 13 13 00-0046 Shrub Removal</b> <sup>(31 13 13)</sup>		
31 13 13 00-0047 EA Removal Of 18" To 24" Shrub, Broadleaf Evergreen.....	43.70	
31 13 13 00-0048 EA Removal Of 2' To 3' Shrub, Broadleaf Evergreen.....	68.53	
31 13 13 00-0049 EA Removal Of 3' To 4' Shrub, Broadleaf Evergreen.....	79.45	
31 13 13 00-0050 EA Removal Of 4' To 5' Shrub, Broadleaf Evergreen.....	119.18	
31 13 13 00-0051 EA Removal Of 12" To 15" Shrub, Deciduous.....	21.85	
31 13 13 00-0052 EA Removal Of 18" To 24" Shrub, Deciduous.....	33.77	
31 13 13 00-0053 EA Removal Of 2' To 3' Shrub, Deciduous.....	43.70	
31 13 13 00-0054 EA Removal Of 3' To 4' Shrub, Deciduous.....	47.67	
31 13 13 00-0055 EA Removal Of 18" To 24" Shrub, Evergreen.....	43.69	
31 13 13 00-0056 EA Removal Of 24" To 30" Shrub, Evergreen.....	47.67	
31 13 13 00-0057 EA Removal Of 30" To 36" Shrub, Evergreen.....	68.53	
31 13 13 00-0058 EA Removal Of 36" To 42" Shrub, Evergreen.....	119.18	
<b>31 13 16 Selective Tree and Shrub Trimming</b> <sup>(31 13 16)</sup>		
<b>31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance</b> <sup>(31 13 16)</sup> Note: Area to be vertical cleared (including overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.		
31 13 16 00-0002 LF Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction.....	1.89	
31 13 16 00-0003 LF Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction.....	2.84	
31 13 16 00-0004 LF Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction.....	3.34	

### 31 20 Earth Moving <sup>(31)</sup>

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness

<b>31</b>	<b>Earthwork</b>
<b>31 20</b>	<b>Earth Moving</b>
<b>31 13</b>	<b>Selective Tree and Shrub Removal and Trimming</b>



MINOR  
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TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

### 31 23 Excavation and Fill <sup>(31 20)</sup>

#### 31 23 16 Excavation <sup>(31 23)</sup>

##### 31 23 16 13 Trenching <sup>(31 23 16)</sup>

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

##### 31 23 16 13-001 Excavation For Trenching By Machine <sup>(31 23 16 13)</sup>

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil .....	10.81
		For Excavation In Light Material (Class A), Deduct	-1.35
		For Excavation In Heavy/Wet Material (Class C), Add	4.32
		For Up To 20, Add	8.65
		For >20 To 50, Add	5.41
		For >50 To 250, Add	2.70
		For >500 To 1,000, Deduct	-1.62
		For >1,000, Deduct	-3.24
31 23 16 13-003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil .....	7.25
		For Excavation In Light Material (Class A), Deduct	-0.91
		For Excavation In Heavy/Wet Material (Class C), Add	2.90
		For Up To 20, Add	5.80
		For >20 To 50, Add	3.63
		For >50 To 250, Add	1.81
		For >500 To 1,000, Deduct	-1.09
		For >1,000, Deduct	-2.18
31 23 16 13-004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock .....	17.89
		Note: Includes compacted aggregate	
		For Up To 20, Add	14.31
		For >20 To 50, Add	8.95
		For >50 To 250, Add	4.47
		For >500 To 1,000, Deduct	-2.68
		For >1,000, Deduct	-5.37
31 23 16 13-005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock .....	12.87
		Note: Includes compacted aggregate	
		For Up To 20, Add	10.30
		For >20 To 50, Add	6.44
		For >50 To 250, Add	3.22
		For >500 To 1,000, Deduct	-1.93
		For >1,000, Deduct	-3.86

##### 31 23 16 13-006 Excavation For Trenching By Hand <sup>(31 23 16 13)</sup>

31 23 16 13-007	CY	Excavation For Trenching By Hand In Soil .....	119.00
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-008	CY	Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate .....	204.14
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	

##### 31 23 16 13-009 Backfilling Or Placing Subbase For Trenches <sup>(31 23 16 13)</sup>

Note: With imported or stockpiled materials.

31 23 16 13-010	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine .....	3.92
		For Up To 20, Add	3.14
		For >20 To 50, Add	1.96
		For >50 To 250, Add	0.98
		For >500 To 1,000, Deduct	-0.59
		For >1,000, Deduct	-1.18
31 23 16 13-011	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand .....	33.06

##### 31 23 16 13-012 Compaction Of Fill Or Subbase For Trenches <sup>(31 23 16 13)</sup>

Note: Includes restoration of final grade.

31 23 16 13-013	CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera .....	6.94
		For Up To 20, Add	5.55
		For >20 To 50, Add	3.47
		For >50 To 250, Add	1.74
		For >500 To 1,000, Deduct	-1.04
		For >1,000, Deduct	-2.08
31 23 16 13-014	CY	Compaction of Fill or Subbase for Trenches by Hand .....	37.29

##### 31 23 16 13-015 Loading Excess Material For Removal From Excavation For Trenches <sup>(31 23 16)</sup>

<sup>13)</sup> Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0039 for hauling.



<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Excavation and Fill</b>	<b>31 23</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0016 CY Load Excess Material by Machine for Removal from Excavation for Trenching .....	6.83	
For Up To 20, Add	5.46	
For >20 To 50, Add	3.42	
For >50 To 250, Add	1.71	
For >500 To 1,000, Deduct	-1.02	
For >1,000, Deduct	-2.05	
31 23 16 13-0017 CY Load Excess Material by Hand for Removal from Excavation for Trenching .....	87.26	
<b>31 23 16 13-0018 Spread Excess Or Imported Material For Trenches (31 23 16 13)</b>		
Note: Includes hand work by laborer for clean-up.		
31 23 16 13-0019 CY Spread Excess Or Imported Material On Site With Machine .....	3.23	
For Up To 20, Add	2.58	
For >20 To 50, Add	1.62	
For >50 To 250, Add	0.81	
For >500 To 1,000, Deduct	-0.48	
For >1,000, Deduct	-0.97	
<b>31 23 16 13-0020 Direct Burial (Plowed-in) Cable Or Piping By Machine (31 23 16 13)</b>		
Note: Includes trench, backfill, compaction and restoration of final grade.		
31 23 16 13-0021 LF Direct Burial of Cable or Piping up to 12" Deep .....	2.50	
31 23 16 13-0022 LF Direct Burial of Cable or Piping >12" to 24" Deep .....	2.75	
31 23 16 13-0023 LF Direct Burial of Cable or Piping >24" to 36" Deep .....	3.92	
31 23 16 13-0024 LF Direct Burial of Cable or Piping >36" to 48" Deep .....	4.42	
<b>31 23 16 13-0025 Utility Chain Trencher (31 23 16 13)</b>		
<b>31 23 16 13-0026 Utility Trench, Chain Trencher (31 23 16 13-0025)</b>		
Note: Earth left adjacent to trench.		
31 23 16 13-0027 LF 4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher .....	1.30	
For >100 To 250, Deduct	-0.09	
For >250 To 500, Deduct	-0.20	
For >500, Deduct	-0.39	
31 23 16 13-0028 LF 4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher .....	1.42	
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.21	
For >500, Deduct	-0.43	
31 23 16 13-0029 LF 4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher .....	1.48	
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.22	
For >500, Deduct	-0.44	
31 23 16 13-0030 LF 6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher .....	1.55	
For >100 To 250, Deduct	-0.11	
For >250 To 500, Deduct	-0.23	
For >500, Deduct	-0.47	
31 23 16 13-0031 LF 6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher .....	1.71	
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.26	
For >500, Deduct	-0.51	
31 23 16 13-0032 LF 6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher .....	1.95	
For >100 To 250, Deduct	-0.14	
For >250 To 500, Deduct	-0.29	
For >500, Deduct	-0.59	
31 23 16 13-0033 LF 6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher .....	2.34	
For >100 To 250, Deduct	-0.16	
For >250 To 500, Deduct	-0.35	
For >500, Deduct	-0.70	
31 23 16 13-0034 LF 8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher .....	2.20	
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.33	
For >500, Deduct	-0.66	
31 23 16 13-0035 LF 8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher .....	2.60	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.39	
For >500, Deduct	-0.78	
31 23 16 13-0036 LF 8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher .....	2.95	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.44	
For >500, Deduct	-0.89	
31 23 16 13-0037 LF 8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher .....	3.50	
For >100 To 250, Deduct	-0.25	
For >250 To 500, Deduct	-0.53	
For >500, Deduct	-1.05	
<b>31 23 16 13-0038 Backfill Trenches With Compaction (31 23 16 13-0025)</b>		
31 23 16 13-0039 LF Backfill 4" Wide, 12" Deep Trench, With Compaction .....	0.20	
For >100 To 250, Deduct	-0.01	
For >250 To 500, Deduct	-0.03	
For >500, Deduct	-0.06	

**31 Earthwork****31 20 Earth Moving****31 23 Excavation and Fill**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0040	LF		Backfill 4" Wide, 18" Deep Trench, With Compaction .....	0.31	
			<i>For &gt;100 To 250, Deduct</i>	-0.02	
			<i>For &gt;250 To 500, Deduct</i>	-0.05	
			<i>For &gt;500, Deduct</i>	-0.09	
31 23 16 13-0041	LF		Backfill 4" Wide, 24" Deep Trench, With Compaction .....	0.42	
			<i>For &gt;100 To 250, Deduct</i>	-0.03	
			<i>For &gt;250 To 500, Deduct</i>	-0.06	
			<i>For &gt;500, Deduct</i>	-0.13	
31 23 16 13-0042	LF		Backfill 6" Wide, 12" Deep Trench, With Compaction .....	0.31	
			<i>For &gt;100 To 250, Deduct</i>	-0.02	
			<i>For &gt;250 To 500, Deduct</i>	-0.05	
			<i>For &gt;500, Deduct</i>	-0.09	
31 23 16 13-0043	LF		Backfill 6" Wide, 18" Deep Trench, With Compaction .....	0.42	
			<i>For &gt;100 To 250, Deduct</i>	-0.03	
			<i>For &gt;250 To 500, Deduct</i>	-0.06	
			<i>For &gt;500, Deduct</i>	-0.13	
31 23 16 13-0044	LF		Backfill 6" Wide, 24" Deep Trench, With Compaction .....	0.64	
			<i>For &gt;100 To 250, Deduct</i>	-0.04	
			<i>For &gt;250 To 500, Deduct</i>	-0.10	
			<i>For &gt;500, Deduct</i>	-0.19	
31 23 16 13-0045	LF		Backfill 6" Wide, 36" Deep Trench, With Compaction .....	0.90	
			<i>For &gt;100 To 250, Deduct</i>	-0.06	
			<i>For &gt;250 To 500, Deduct</i>	-0.14	
			<i>For &gt;500, Deduct</i>	-0.27	
31 23 16 13-0046	LF		Backfill 8" Wide, 12" Deep Trench, With Compaction .....	0.42	
			<i>For &gt;100 To 250, Deduct</i>	-0.03	
			<i>For &gt;250 To 500, Deduct</i>	-0.06	
			<i>For &gt;500, Deduct</i>	-0.13	
31 23 16 13-0047	LF		Backfill 8" Wide, 18" Deep Trench, With Compaction .....	0.64	
			<i>For &gt;100 To 250, Deduct</i>	-0.04	
			<i>For &gt;250 To 500, Deduct</i>	-0.10	
			<i>For &gt;500, Deduct</i>	-0.19	
31 23 16 13-0048	LF		Backfill 8" Wide, 24" Deep Trench, With Compaction .....	0.84	
			<i>For &gt;100 To 250, Deduct</i>	-0.06	
			<i>For &gt;250 To 500, Deduct</i>	-0.13	
			<i>For &gt;500, Deduct</i>	-0.25	
31 23 16 13-0049	LF		Backfill 8" Wide, 36" Deep Trench, With Compaction .....	1.26	
			<i>For &gt;100 To 250, Deduct</i>	-0.09	
			<i>For &gt;250 To 500, Deduct</i>	-0.19	
			<i>For &gt;500, Deduct</i>	-0.38	
<b>31 23 16 26</b>			<b>Rock Removal <small>(31 23 16)</small></b>		
<b>31 23 16 26-0001</b>			<b>Rock Breaking By Machine <small>(31 23 16 26)</small></b>		
			Note: Excludes excavation of broken-up rock.		
31 23 16 26-0002	CY		Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone).....	30.13	
31 23 16 26-0003	CY		Rock Breaking By Machine, Medium Metamorphic Rock (Slate) .....	32.13	
31 23 16 26-0004	CY		Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt) .....	38.16	
<b>31 23 16 33</b>			<b>Bulk Excavation <small>(31 23 16)</small></b>		
			Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for For less than 500 CY excavation.		
<b>31 23 16 33-0001</b>			<b>Excavation <small>(31 23 16 33)</small></b>		
			Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.		
31 23 16 33-0002	CY		Bulk Excavation by Dozer in Soil .....	10.08	
			<i>For Excavation In Light Material (Class A), Deduct</i>	-1.26	
			<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	4.03	
			<i>For &gt;1,000, Deduct</i>	-1.51	
31 23 16 33-0003	CY		Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil .....	5.84	
			<i>For Excavation In Light Material (Class A), Deduct</i>	-0.73	
			<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	2.34	
			<i>For &gt;1,000, Deduct</i>	-0.88	
31 23 16 33-0004	CY		Bulk Excavation by Dozer in Loose Rock .....	12.41	
			Note: Includes compacted aggregate		
			<i>For &gt;1,000, Deduct</i>	-1.86	
31 23 16 33-0005	CY		Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock.....	7.19	
			Note: Includes compacted aggregate		
			<i>For &gt;1,000, Deduct</i>	-1.08	
<b>31 23 16 33-0006</b>			<b>Spreading, Shaping And Rough Grading <small>(31 23 16 33)</small></b>		
			Note: Imported or stockpiled material for bulk excavation.		
31 23 16 33-0007	CY		Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine.....	6.22	
			<i>For &gt;1,000, Deduct</i>	-0.93	
<b>31 23 16 33-0008</b>			<b>Cutting, Shaping and Rough Grading Of Existing Elevations <small>(31 23 16 33)</small></b>		
			Note: For bulk excavation.		
31 23 16 33-0009	CY		Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine .....	6.92	
			<i>For &gt;1,000, Deduct</i>	-1.04	



<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Excavation and Fill</b>	<b>31 23</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>31 23 16 33-0010 Relocating On Site Excavated Material From Excavation</b> <small>(31 23 16 33)</small> Note: For bulk excavation.		
31 23 16 33-0011 CY Relocating On Site Excavated Material From Bulk Excavation >100' to 300' ..... <i>For &gt;1,000, Deduct</i>	5.53 -0.83	
31 23 16 33-0012 CY Relocating On Site Excavated Material From Bulk Excavation >300' to 500' ..... <i>For &gt;1,000, Deduct</i>	8.31 -1.25	
31 23 16 33-0013 CY Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000' ..... <i>For &gt;1,000, Deduct</i>	12.45 -1.87	
31 23 16 33-0014 CY Relocating On Site Excavated Material From Bulk Excavation >1,000' ..... <i>For &gt;1,000, Deduct</i>	16.60 -2.49	
<b>31 23 16 33-0015 Finish Grading</b> <small>(31 23 16 33)</small> Note: For bulk excavation.		
31 23 16 33-0016 SY Finish Grading for Bulk Excavation by Machine.....	0.69	
<b>31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift</b> <small>(31 23 16 33)</small> Note: For bulk excavation.		
31 23 16 33-0018 SY Compaction of Fill or Subbase for Bulk Excavation by Machine ..... Note: Per Lift	0.69	
<b>31 23 16 33-0019 Loading Excess Material For Removal From Excavation</b> <small>(31 23 16 33)</small> Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0039 for hauling.		
31 23 16 33-0020 CY Loading Excess Material For Removal From Bulk Excavation..... <i>For &gt;1,000, Deduct</i>	6.02 -0.90	
<b>31 23 16 36 Excavation for Building Foundations and Other Structures</b> <small>(31 23 16)</small> Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.		
<b>31 23 16 36-0001 Excavation</b> <small>(31 23 16 36)</small> Note: For building foundations and other structures by machine. Includes stockpiling excess materials within 100' of point of excavation, shaping, trimming and rough grading excavation.		
<b>31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Skid-Steer Loader</b> <small>(31 23 16 36-0001)</small>		
31 23 16 36-0003 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil ..... <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i> <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	9.03 -1.13 3.61 9.03 6.77 3.61 1.35	
31 23 16 36-0004 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock ..... Note: Includes compacted aggregate <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	11.23 11.23 8.42 4.49 1.68	
<b>31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader</b> <small>(31 23 16 36-0001)</small>		
31 23 16 36-0006 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil ..... <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i> <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	7.02 -0.88 2.81 7.02 5.27 2.81 1.05	
31 23 16 36-0007 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock ..... Note: Includes compacted aggregate <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	8.35 8.35 6.26 3.34 1.25	
<b>31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand</b> <small>(31 23 16 36-0001)</small> Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009 CY Excavation For Building Foundations And Other Structures By Hand in Soil ..... <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i>	119.00 -14.88 47.60	
31 23 16 36-0010 CY Excavation For Building Foundations And Other Structures By Hand in Loose Rock..... Note: Includes compacted aggregate	204.14	

**31 Earthwork****31 20 Earth Moving****31 23 Excavation and Fill**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>31 23 16 36-0011 Relocating On Site Excavated Material From Excavation</b> <small>(31 23 16 36)</small> Note: For building foundations and other structures over 100'.		
31 23 16 36-0012 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300' .....	5.53	
For Up To 20, Add	5.53	
For >20 To 50, Add	4.15	
For >50 To 250, Add	2.21	
For >250 To 500, Add	0.83	
31 23 16 36-0013 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >300' to 500' .....	8.31	
For Up To 20, Add	8.31	
For >20 To 50, Add	6.23	
For >50 To 250, Add	3.32	
For >250 To 500, Add	1.25	
31 23 16 36-0014 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >500' to 1,000' .....	12.45	
For Up To 20, Add	12.45	
For >20 To 50, Add	9.34	
For >50 To 250, Add	4.98	
For >250 To 500, Add	1.87	
31 23 16 36-0015 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >1,000' .....	16.60	
For Up To 20, Add	16.60	
For >20 To 50, Add	12.45	
For >50 To 250, Add	6.64	
For >250 To 500, Add	2.49	
<b>31 23 16 36-0016 Backfilling</b> <small>(31 23 16 36)</small> Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading.		
31 23 16 36-0017 CY Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader .....	4.46	
For Up To 20, Add	4.46	
For >20 To 50, Add	3.35	
For >50 To 250, Add	1.78	
For >250 To 500, Add	0.67	
31 23 16 36-0018 CY Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader .....	5.43	
For Up To 20, Add	5.43	
For >20 To 50, Add	4.07	
For >50 To 250, Add	2.17	
For >250 To 500, Add	0.81	
31 23 16 36-0019 CY Backfilling Around Building Foundations And Other Structures By Hand.....	56.67	
<b>31 23 16 36-0020 Compaction Of Fill Or Subbase</b> <small>(31 23 16 36)</small> Note: For building foundations and other structures.		
31 23 16 36-0021 CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera .....	11.00	
For Up To 20, Add	11.00	
For >20 To 50, Add	8.25	
For >50 To 250, Add	4.40	
For >250 To 500, Add	1.65	
31 23 16 36-0022 CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand .....	37.29	
<b>31 23 16 36-0023 Grading</b> <small>(31 23 16 36)</small> Note: For building foundations and other structures.		
31 23 16 36-0024 SY Rough Grading For Building Foundations And Other Structures by Machine .....	1.19	
31 23 16 36-0025 SY Finish Grading For Building Foundations And Other Structures by Machine .....	1.92	
31 23 16 36-0026 SY Finish Grading For Building Foundations And Other Structures by Hand.....	11.02	
<b>31 23 16 36-0027 Loading Excess Material For Removal From Excavation</b> <small>(31 23 16 36)</small> Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0039 for hauling.		
31 23 16 36-0028 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine .....	6.27	
For Up To 20, Add	6.27	
For >20 To 50, Add	4.70	
For >50 To 250, Add	2.51	
For >250 To 500, Add	0.94	
31 23 16 36-0029 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand .....	87.26	
<b>31 23 16 36-0030 Spread Material</b> <small>(31 23 16 36)</small> Note: For building foundations and other structures.		
31 23 16 36-0031 CY Spread Excess Or Imported Material On Site By Machine .....	3.23	
For Up To 20, Add	3.23	
For >20 To 50, Add	2.42	
For >50 To 250, Add	1.29	
For >250 To 500, Add	0.48	
31 23 16 36-0032 CY Spread Excess Or Imported Material On Site By Hand .....	48.15	

**31 23 19 Dewatering** (31 23)





<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Excavation and Fill</b>	<b>31 23</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>31 23 19 00-0001 Well Point Dewatering System</b> <small>(31 23 19)</small>		
<b>31 23 19 00-0002 Delivery, Installation And Removal Cost</b> <small>(31 23 19 00-0001)</small>		
Note: Priced by linear foot of header used.		
31 23 19 00-0003 LF Up To 100' In Length Well Point System Delivery, Installation And Removal.....	124.15	
31 23 19 00-0004 LF >100' To 250' In Length Well Point System Delivery, Installation And Removal.....	68.28	
31 23 19 00-0005 LF >250' To 500' In Length Well Point System Delivery, Installation And Removal.....	62.07	
31 23 19 00-0006 LF >250' To 500' In Length Well Point System Delivery, Installation And Removal.....	55.87	
31 23 19 00-0007 LF >500' To 1,000' In Length Well Point System Delivery, Installation And Removal.....	49.65	
31 23 19 00-0008 LF >1,000' In Length Well Point System Delivery, Installation And Removal.....	43.45	
<b>31 23 19 00-0009 Well Point Dewatering System Rental</b> <small>(31 23 19 00-0001)</small>		
Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.		
31 23 19 00-0010 LFD Up To 100' In Length Well Point System Rental (LF x Days = Quantity) .....	1.85	
For >5 Days And <1 Month, Deduct	-0.41	
For >1 Month, Deduct	-0.52	
31 23 19 00-0011 LFD >100' To 250' In Length Well Point System Rental (LF x Days = Quantity) .....	1.08	
For >5 Days And <1 Month, Deduct	-0.24	
For >1 Month, Deduct	-0.30	
31 23 19 00-0012 LFD >250' To 500' In Length Well Point System Rental (LF x Days = Quantity) .....	0.77	
For >5 Days And <1 Month, Deduct	-0.17	
For >1 Month, Deduct	-0.22	
31 23 19 00-0013 LFD >500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity) .....	0.57	
For >5 Days And <1 Month, Deduct	-0.13	
For >1 Month, Deduct	-0.16	
31 23 19 00-0014 LFD >1,000' In Length Well Point System Rental (LF x Days = Quantity) .....	0.52	
For >5 Days And <1 Month, Deduct	-0.11	
For >1 Month, Deduct	-0.15	
<b>31 23 19 00-0015 Well Point Dewatering System Operation Costs</b> <small>(31 23 19 00-0001)</small>		
Note: The quantity for operation shall be the total number of hours the well point system is operational.		
31 23 19 00-0016 HR Operation Costs.....	107.54	
<b>31 23 23 Fill</b> <small>(31 23)</small>		
<b>31 23 23 23 Compaction</b> <small>(31 23 23)</small>		
<b>31 23 23 23-0001 Compaction Water, Water Truck And Operator</b> <small>(31 23 23 23)</small>		
31 23 23 23-0002 MGL Compaction Water, Water Truck And Operator .....	273.76	
Note: Use this task in situations where earth fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per each 1,000 gallons of water)		
<b>31 23 23 33 Flowable Fill</b> <small>(31 23 23)</small>		
<b>31 23 23 33-0001 Flowable Cement Backfill For Trenches</b> <small>(31 23 23 33)</small>		
Note: Includes compaction and restoration of final grade.		
31 23 23 33-0002 CY Flowable Cement Backfill for Trenches .....	200.09	
For Up To 20, Add	74.26	
For >20 To 50, Add	48.56	
For >50 To 250, Add	24.28	
For >500 To 1,000, Deduct	-12.85	
For >1,000, Deduct	-25.70	
<b>31 24 Embankments</b> <small>(31 24)</small>		
<b>31 24 13 Roadway Embankments</b> <small>(31 24)</small>		
<b>31 24 13 00-0001 Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations</b> <small>(31 24 13)</small>		
Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY.		
<b>31 24 13 00-0002 Cutting, Shaping And Rough Grading</b> <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.		
<b>31 24 13 00-0003 Cutting, Shaping, And Rough Grading</b> <small>(31 24 13 00-0002)</small>		
31 24 13 00-0004 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil .....	6.92	
For Up To 20, Add	6.92	
For >20 To 50, Add	5.19	
For >50 To 250, Add	2.77	
For >250 To 500, Add	1.04	
For >1,000, Deduct	-1.04	

<b>31</b>	<b>Earthwork</b>
<b>31 20</b>	<b>Earth Moving</b>
<b>31 24</b>	<b>Embankments</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0005 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock.....	8.58	
Note: Includes compacted aggregate		
For Up To 20, Add	8.58	
For >20 To 50, Add	6.44	
For >50 To 250, Add	3.43	
For >250 To 500, Add	1.29	
For >1,000, Deduct	-1.29	
<b>31 24 13 00-0006 Cutting, Shaping, And Rough Grading By Hand</b> (31 24 13 00-0002)		
31 24 13 00-0007 SY Shape Embankment/Slope By Hand Up To 1 On 4 Slope.....	6.10	
31 24 13 00-0008 SY Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope .....	7.93	
<b>31 24 13 00-0009 Scarify Soil</b> (31 24 13 00-0001)		
Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0010 CSF Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine .....	6.40	
For Up To 20, Add	3.20	
For >20 To 50, Add	1.60	
For >250 To 500, Deduct	-0.64	
For >500, Deduct	-1.28	
<b>31 24 13 00-0011 Relocating On Site Excavated Material</b> (31 24 13 00-0001)		
31 24 13 00-0012 CY >500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine .....	12.45	
For Up To 20, Add	12.45	
For >20 To 50, Add	9.34	
For >50 To 250, Add	4.98	
For >250 To 500, Add	1.87	
For >1,000, Deduct	-1.87	
31 24 13 00-0013 CY >1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine .....	16.60	
For Up To 20, Add	16.60	
For >20 To 50, Add	12.45	
For >50 To 250, Add	6.64	
For >250 To 500, Add	2.49	
For >1,000, Deduct	-2.49	
<b>31 24 13 00-0014 Spread And Shape Imported Or Stockpiled Material</b> (31 24 13 00-0001)		
Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.		
31 24 13 00-0015 CY Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine .....	7.61	
For Up To 20, Add	7.61	
For >20 To 50, Add	5.71	
For >50 To 250, Add	3.04	
For >250 To 500, Add	1.14	
For >1,000, Deduct	-1.14	
<b>31 24 13 00-0016 Grading</b> (31 24 13 00-0001)		
Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0017 SY Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine .....	0.77	
31 24 13 00-0018 SY Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine .....	1.03	
31 24 13 00-0019 LF Finish Grade For Curb .....	1.15	
31 24 13 00-0020 LF Finish Grade For Curb And Gutter .....	1.41	
<b>31 24 13 00-0021 Compaction Of Fill Or Subbase</b> (31 24 13 00-0001)		
Note: For roadways, parking areas, landscaping and embankments by machine, per lift.		
31 24 13 00-0022 SY Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift.....	0.69	
For Up To 250, Add	0.69	
For >250 To 500, Add	0.52	
For >500 To 1,000, Add	0.28	
For >5,000, Deduct	-0.10	
<b>31 24 13 00-0023 Loading Excess Material For Removal From Excavation</b> (31 24 13 00-0001)		
Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.		
31 24 13 00-0024 CY Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine .....	6.02	
For Up To 20, Add	6.02	
For >20 To 50, Add	4.52	
For >50 To 250, Add	2.41	
For >250 To 500, Add	0.90	
For >1,000, Deduct	-0.90	

### 31 25 Erosion and Sedimentation Controls (31 20)



<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Erosion and Sedimentation Controls</b>	<b>31 25</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**31 25 14 Stabilization Measures for Erosion and Sedimentation Control (31 25 14)**

**31 25 14 13 Hydraulically-Applied Erosion Control (31 25 14)**

**31 25 14 13-0001 Bonded Fiber Matrix (31 25 14 13)**

31 25 14 13-0002	MSF	Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	58.06	
31 25 14 13-0003	MSF	>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied	53.33	
31 25 14 13-0004	MSF	>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied	49.31	
31 25 14 13-0005	MSF	>100,000 Bonded Fiber Matrix, Hydraulically Applied	47.02	

**31 25 14 16 Rolled Erosion Control Mats and Blankets (31 25 14)**

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

**31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats (31 25 14 16)**

**31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty (31 25 14 16-0001)**

31 25 14 16-0003	SY	S75 Single Net Erosion Control Blanket Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.	2.80	
31 25 14 16-0004	SY	S75BN Single Net Erosion Control Blanket Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.	3.62	
31 25 14 16-0005	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Excelsior	2.66	
31 25 14 16-0006	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Green.	2.80	
31 25 14 16-0007	SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting	2.48	

**31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration (31 25 14 16-0001)**

31 25 14 16-0009	SY	S150 Double Net Erosion Control Blanket Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.	3.60	
31 25 14 16-0010	SY	S150 BN Double Net Erosion Control Blanket Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.	4.88	
31 25 14 16-0011	SY	Curlex II, Double Net Erosion Control Blanket, Natural Note: As manufactured by American Excelsior.	3.00	
31 25 14 16-0012	SY	Curlex II, Double Net Erosion Control Blanket, Green Note: As manufactured by American Excelsior.	3.14	
31 25 14 16-0013	SY	Enforcer Double Net Erosion Control Blanket Note: As manufactured by American Excelsior.	3.35	

**31 25 14 16-0014 Turf Reinforcement Mats (TRM) (31 25 14 16-0001)**

Note: Permanent, UV stabilized.

31 25 14 16-0015	SY	P300 Permanent Polypropylene Turf Reinforcement Mat Note: 100% synthetic, UV stabilized, two layer netting.	13.33	
31 25 14 16-0016	SY	C350 Permanent Turf Reinforcement Mat Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.	12.24	
31 25 14 16-0017	SY	Recyclex TRM, Permanent Turf Reinforcement Mat Note: As manufactured by American Excelsior, 100% recycled	14.90	

**31 25 14 16-0018 Jute Mesh Erosion Control Blankets (31 25 14 16-0001)**

31 25 14 16-0019	SY	Jute Mesh, Open Uniform Weave	3.78	
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**31 25 14 16-0020 Revegetation Mat (31 25 14 16-0001)**

31 25 14 16-0021	SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.	10.51	
31 25 14 16-0022	SY	Webbed Revegetation Mat, Polypropylene Fiber Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	15.06	

**31 25 14 23 Stabilization Measures for Erosion Control (31 25 14)**

See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

**31 25 14 23-0001 Sand Bags (31 25 14 23)**

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0002	BAG	50 LB Capacity Sand Bag With Sand For >2,500 To 5,000, Deduct	6.13	2.51
		For >5,000, Deduct	-0.50	
			-1.11	
31 25 14 23-0003	BAG	75 LB Capacity Sand Bag With Sand For >2,500 To 5,000, Deduct	7.94	3.12
		For >5,000, Deduct	-0.62	
			-1.42	
31 25 14 23-0004	BAG	100 LB Capacity Sand Bag With Sand For >2,500 To 5,000, Deduct	10.06	3.72
		For >5,000, Deduct	-0.75	
			-1.75	

**31 Earthwork****31 20 Earth Moving****31 25 Erosion and Sedimentation Controls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0005	BAG		125 LB Capacity Sand Bag With Sand .....	12.38	4.66
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.93	
			<i>For &gt;5,000, Deduct</i>	-2.17	
31 25 14 23-0006	BAG		150 LB Capacity Sand Bag With Sand .....	15.07	5.58
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.12	
			<i>For &gt;5,000, Deduct</i>	-2.62	
31 25 14 23-0007	BAG		175 LB Capacity Sand Bag With Sand .....	17.60	6.35
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.27	
			<i>For &gt;5,000, Deduct</i>	-3.03	
31 25 14 23-0008	BAG		2,000 LB Capacity Sand Bag With Sand .....	150.27	45.99
			<i>For &gt;2,500 To 5,000, Deduct</i>	-8.87	
			<i>For &gt;5,000, Deduct</i>	-23.90	
31 25 14 23-0009	BAG		3,000 LB Capacity Sand Bag With Sand .....	195.46	50.58
			<i>For &gt;2,500 To 5,000, Deduct</i>	-9.76	
			<i>For &gt;5,000, Deduct</i>	-29.30	
<b>31 25 14 23-0010</b>			<b>Gravel Bags</b> <small>(31 25 14 23)</small>		
			Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0011	BAG		30 LB Capacity Gravel Bag With Gravel .....	5.31	1.67
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.33	
			<i>For &gt;5,000, Deduct</i>	-0.86	
31 25 14 23-0012	BAG		50 LB Capacity Gravel Bag With Gravel .....	9.76	2.51
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.50	
			<i>For &gt;5,000, Deduct</i>	-1.48	
<b>31 25 14 23-0013</b>			<b>Floating Turbidity Curtain</b> <small>(31 25 14 23)</small>		
			Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6 in. x 6 in., 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft buoyancy in saltwater.		
31 25 14 23-0014	LF		3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	25.99	
			<i>For Type 1, Deduct</i>	-4.04	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-2.46	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	2.99	
31 25 14 23-0015	LF		4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	28.18	
			<i>For Type 1, Deduct</i>	-4.45	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-2.71	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	3.29	
31 25 14 23-0016	LF		5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	31.20	
			<i>For Type 1, Deduct</i>	-5.04	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-3.07	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	3.72	
31 25 14 23-0017	LF		6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	33.76	
			<i>For Type 1, Deduct</i>	-5.52	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-3.36	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	4.08	
31 25 14 23-0018	LF		7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	35.43	
			<i>For Type 1, Deduct</i>	-5.79	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-3.53	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	4.28	
31 25 14 23-0019	LF		8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	37.11	
			<i>For Type 1, Deduct</i>	-6.06	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-3.69	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	4.48	
31 25 14 23-0020	LF		9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	39.05	
			<i>For Type 1, Deduct</i>	-6.39	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-3.89	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	4.72	
31 25 14 23-0021	LF		10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	41.73	
			<i>For Type 1, Deduct</i>	-6.87	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-4.18	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	5.08	
31 25 14 23-0022	LF		12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	43.84	
			<i>For Type 1, Deduct</i>	-7.22	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-4.40	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	5.34	
31 25 14 23-0023	LF		13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	46.70	
			<i>For Type 1, Deduct</i>	-7.73	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-4.71	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	5.72	
31 25 14 23-0024	LF		14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	49.34	
			<i>For Type 1, Deduct</i>	-8.19	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-4.99	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	6.06	
31 25 14 23-0025	LF		15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	51.90	
			<i>For Type 1, Deduct</i>	-8.62	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-5.25	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	6.37	
31 25 14 23-0026	LF		16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	56.49	
			<i>For Type 1, Deduct</i>	-9.51	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-5.79	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	7.03	
31 25 14 23-0027	LF		17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	59.23	
			<i>For Type 1, Deduct</i>	-9.97	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-6.07	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	7.37	



<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Erosion and Sedimentation Controls</b>	<b>31 25</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0028 LF 18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	61.91	
For Type 1, Deduct	-10.40	
For 13 Oz PVC Fabric, Type 2, Deduct	-6.33	
For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	7.69	
31 25 14 23-0029 LF 19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	64.73	
For Type 1, Deduct	-10.86	
For 13 Oz PVC Fabric, Type 2, Deduct	-6.61	
For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	8.03	
31 25 14 23-0030 LF 20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	67.48	
For Type 1, Deduct	-11.29	
For 13 Oz PVC Fabric, Type 2, Deduct	-6.87	
For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	8.35	
<b>31 25 14 23-0031 Turbidity Curtain Anchors (31 25 14 23)</b>		
31 25 14 23-0032 EA 14 LB, Turbidity Curtain Anchor System.....	700.57	
Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0033 EA 25 LB, Turbidity Curtain Anchor System.....	960.57	
Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0034 EA 40 LB, Turbidity Curtain Anchor System.....	1,221.72	
Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0035 EA 65 LB, Turbidity Curtain Anchor System.....	1,597.85	
Note: Includes anchor, anchor chain, and marker buoy and rope.		
<b>31 25 14 23-0036 Filter Bags (31 25 14 23)</b>		
<b>31 25 14 23-0037 Non-Woven Filter Bags (31 25 14 23-0036)</b>		
31 25 14 23-0038 EA 6' x 15' Non-Woven Filter Bag.....	230.47	
31 25 14 23-0039 EA 13' x 15' Non-Woven Filter Bag.....	333.61	
31 25 14 23-0040 EA 15' x 15' Non-Woven Filter Bag.....	383.41	
<b>31 25 14 23-0041 Monofilament Filter Bags (31 25 14 23-0036)</b>		
31 25 14 23-0042 EA 5' x 15' Monofilament Filter Bag.....	239.66	
31 25 14 23-0043 EA 10' x 15' Monofilament Filter Bag.....	331.97	
<b>31 25 14 23-0044 Cable Articulating Concrete Block (31 25 14 23)</b>		
Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 25 14 23-0045 SF 4.75" Open Cell Articulated Concrete Block With Earth Backfill.....	35.46	
For Up To 500, Add	8.12	
For >500 To 1,000, Add	4.57	
31 25 14 23-0046 SF 6" Open Cell Articulated Concrete Block With Earth Backfill.....	40.31	
For Up To 500, Add	9.18	
For >500 To 1,000, Add	5.15	
31 25 14 23-0047 SF 7.5" Open Cell Articulated Concrete Block With Earth Backfill.....	45.89	
For Up To 500, Add	10.41	
For >500 To 1,000, Add	5.82	
31 25 14 23-0048 SF 9" Open Cell Articulated Concrete Block With Earth Backfill.....	51.65	
For Up To 500, Add	11.69	
For >500 To 1,000, Add	6.53	
31 25 14 23-0049 SF 4.75" Closed Cell Articulated Concrete Block.....	37.72	
For Up To 500, Add	8.57	
For >500 To 1,000, Add	4.80	
31 25 14 23-0050 SF 6" Closed Cell Articulated Concrete Block.....	43.01	
For Up To 500, Add	9.72	
For >500 To 1,000, Add	5.42	
31 25 14 23-0051 SF 7.5" Closed Cell Articulated Concrete Block.....	49.09	
For Up To 500, Add	11.05	
For >500 To 1,000, Add	6.14	
31 25 14 23-0052 SF 9" Closed Cell Articulated Concrete Block.....	55.31	
For Up To 500, Add	12.43	
For >500 To 1,000, Add	6.90	
<b>31 25 14 26 Stabilization Measures for Sedimentation Control (31 25 14)</b>		
<b>31 25 14 26-0001 Silt Fences And Dike Barriers (31 25 14 26)</b>		
Note: Includes stakes and embedding.		
<b>31 25 14 26-0002 Silt Fences 2' High (31 25 14 26-0001)</b>		
See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0003 LF 2' High Silt Fence with Stakes at 4' On Center.....	2.82	
31 25 14 26-0004 LF 2' High Silt Fence with Stakes at 6' On Center.....	2.19	
31 25 14 26-0005 LF 2' High Silt Fence with Stakes at 8' On Center.....	1.57	
31 25 14 26-0006 LF 2' High Silt Fence with Stakes at 10' On Center.....	1.36	
<b>31 25 14 26-0007 Silt Fences 3' High (31 25 14 26-0001)</b>		
See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0008 LF 3' High Silt Fence with Stakes at 4' On Center.....	2.91	

<b>31</b>	<b>31</b>	<b>Earthwork</b>
	<b>31 20</b>	<b>Earth Moving</b>
	<b>31 25</b>	<b>Erosion and Sedimentation Controls</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 26-0009 LF 3' High Silt Fence with Stakes at 6' On Center.....	2.37	
31 25 14 26-0010 LF 3' High Silt Fence with Stakes at 8' On Center.....	2.06	
31 25 14 26-0011 LF 3' High Silt Fence with Stakes at 10' On Center.....	1.42	
<b>31 25 14 26-0012 Silt Dike Barrier</b> <small>(31 25 14 26-0001)</small>		
31 25 14 26-0013 LF Silt Dike Barrier With Stakes.....	3.30	
<b>31 25 14 26-0014 Silt Fences Removal</b> <small>(31 25 14 26-0001)</small>		
31 25 14 26-0015 LF Removal Of Silt Fence And Stakes.....	0.79	
<b>31 25 14 26-0016 Hay And Straw Bales</b> <small>(31 25 14 26)</small>		
Note: Includes trench for placement, and stakes.		
31 25 14 26-0017 LF Place Sterilized Straw Bales.....	4.42	
Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of straw bale.		
31 25 14 26-0018 LF Place Hay Bales.....	4.10	
Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of hay bale.		
31 25 14 26-0019 LF Removal Of Hay Or Straw Bales.....	1.42	
Note: Includes removal of stakes.		
<b>31 25 14 26-0020 Sediment Logs (Degradable)</b> <small>(31 25 14 26)</small>		
<b>31 25 14 26-0021 Sediment Logs (Degradable)</b> <small>(31 25 14 26-0020)</small>		
Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0022 LF 12" Sediment Log.....	7.47	
31 25 14 26-0023 LF 20" Sediment Log.....	9.92	
<b>31 25 14 26-0024 Wattles (Degradable) With UV Stabilized Synthetic Netting</b> <small>(31 25 14 26-0020)</small>		
Note: Includes trench for placement, 24" wood staking at 4' on-center		
31 25 14 26-0025 EA Wattles (Sterile Straw Filled Rolls), 9" x 25'.....	171.01	
31 25 14 26-0026 EA Wattles (Sterile Straw Filled Rolls), 12" x 20'.....	166.33	
<b>31 25 14 26-0027 Fiber Roll (CALTRANS Type 1)</b> <small>(31 25 14 26)</small>		
Note: Includes furrow trench for placement, 24" wood staking at 4' on-center		
31 25 14 26-0028 LF 8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1.....	6.90	
<i>For &gt;1,000 To 10,000, Deduct</i>		
	-0.72	
<i>For &gt;10,000, Deduct</i>		
	-1.23	
31 25 14 26-0029 LF 9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1.....	8.02	
<i>For &gt;1,000 To 10,000, Deduct</i>		
	-0.76	
<i>For &gt;10,000, Deduct</i>		
	-1.29	
31 25 14 26-0030 LF 12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1.....	10.18	
<i>For &gt;1,000 To 10,000, Deduct</i>		
	-0.91	
<i>For &gt;10,000, Deduct</i>		
	-1.55	
<b>31 25 14 26-0031 Fiber Roll (CALTRANS Type 2)</b> <small>(31 25 14 26)</small>		
Note: Includes 24" wood stakes at 2' on-center off-set on sides with ropes.		
31 25 14 26-0032 LF 8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2.....	6.01	
<i>For &gt;1,000 To 10,000, Deduct</i>		
	-0.59	
<i>For &gt;10,000, Deduct</i>		
	-1.00	
31 25 14 26-0033 LF 9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2.....	7.09	
<i>For &gt;1,000 To 10,000, Deduct</i>		
	-0.62	
<i>For &gt;10,000, Deduct</i>		
	-1.06	
31 25 14 26-0034 LF 12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2.....	8.58	
<i>For &gt;1,000 To 10,000, Deduct</i>		
	-0.67	
<i>For &gt;10,000, Deduct</i>		
	-1.15	
<b>31 25 14 26-0035 Inlet Protection Sediment Bags</b> <small>(31 25 14 26)</small>		
Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0036 EA 2' x 2' x 3' Inlet Protection Sediment Bag.....	57.67	
31 25 14 26-0037 EA 2' x 3' x 3' Inlet Protection Sediment Bag.....	73.16	
31 25 14 26-0038 EA 2' x 4' x 3' Inlet Protection Sediment Bag.....	91.28	

**31 30 Earthwork Methods** (31)

**31 31 Soil Treatment** (31 30)

**31 31 16 Termite Control** (31 31)

**31 31 16 13 Chemical Termite Control** (31 31 16)

**31 31 16 13-0001 Commercial Use** (31 31 16 13)

31 31 16 13-0002 SF Termite Pretreatment, Commercial Soil Poisoning Under Slab.....	0.74
31 31 16 13-0003 SF Termite Pretreatment, Commercial Slab And Walls.....	1.06



<b>Earthwork</b>	<b>31</b>	<b>13</b>
Earthwork Methods	31 30	
Soil Treatment	31 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>31 31 16 13-0004</b>	<b>Residential Use</b> (31 31 16 13)	
31 31 16 13-0005	SF Termite Pretreatment, Residential General Spraying Walls And Slab .....	1.13
31 31 16 13-0006	SF Termite Treatment, Existing Residential Structure.....	1.24

**31 31 19 Vegetation Control** (31 31)

**31 31 19 13 Chemical Vegetation Control** (31 31 19)

**31 31 19 13-0001 Soil Sterilants** (31 31 19 13)

31 31 19 13-0002	MSF Soil Sterilant.....	30.22
	Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.	
	For >45 To 90, Deduct	-0.44
	For >90 To 225, Deduct	-2.38
	For >225, Deduct	-3.25

**31 32 Soil Stabilization** (31 32)

**31 32 13 Soil Mixing Stabilization** (31 32)

**31 32 13 16 Cement Soil Stabilization** (31 32 13)

**31 32 13 16-0001 Cementitious Soil Binder** (31 32 13 16)

31 32 13 16-0002	CY Cementitious Soil Binder, 4% Cement Mix By Volume .....	36.21
31 32 13 16-0003	CY Cementitious Soil Binder, 6% Cement Mix By Volume .....	41.17
31 32 13 16-0004	CY Cementitious Soil Binder, 9% Cement Mix By Volume .....	49.35
31 32 13 16-0005	CY Cementitious Soil Binder, 12% Cement Mix By Volume .....	57.41

**31 32 13 19 Lime Soil Stabilization** (31 32 13)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

**31 32 13 19-0001 Lime Slurry** (31 32 13 19)

31 32 13 19-0002	LCY Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume .....	31.59
31 32 13 19-0003	TON Cement Stabilized Base Material .....	58.01
31 32 13 19-0004	CWT Lime For Soil Stabilization .....	8.07
	Note: Excludes the cost for spreading or backfilling	
31 32 13 19-0005	LCY Roller, Grader - Lime Stabilization .....	19.41
31 32 13 19-0006	LCY Roller, Grader - Cement Stabilization .....	4.28

**31 32 13 19-0007 Lime Stabilized Subgrade** (31 32 13 19)

Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).

31 32 13 19-0008	SY 6" Thick Lime Stabilized Subgrade, 25 LB.....	7.86
	For 4% Lime Instead Of 5%, Deduct	-0.14
	For 6% Lime Instead Of 5%, Add	0.14
31 32 13 19-0009	SY 7" Thick Lime Stabilized Subgrade, 29 LB.....	9.14
	For 4% Lime Instead Of 5%, Deduct	-0.17
	For 6% Lime Instead Of 5%, Add	0.17
31 32 13 19-0010	SY 8" Thick Lime Stabilized Subgrade, 33 LB.....	10.42
	For 4% Lime Instead Of 5%, Deduct	-0.19
	For 6% Lime Instead Of 5%, Add	0.19

**31 32 13 29 Liquid Soil Stabilization** (31 32 13)

31 32 13 29-0001	GAL Polyacrylamide And Calcium Solution .....	2.43
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**31 32 19 Geosynthetic Soil Stabilization and Layer Separation** (31 32)

**31 32 19 13 Geogrid Soil Stabilization** (31 32 19)

**31 32 19 13-0001 Geogrid Fabrics** (31 32 19 13)

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.

31 32 19 13-0002	SY 5.3 Ounce/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150).....	5.96
	For Up To 50, Add	1.29
	For >50 To 150, Add	0.96
	For >150 To 250, Add	0.63
	For >250 To 500, Add	0.31
31 32 19 13-0003	SY 6.9 Ounce/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300).....	6.81
	For Up To 50, Add	1.46
	For >50 To 150, Add	1.09
	For >150 To 250, Add	0.72
	For >250 To 500, Add	0.36



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

31 32 19 13-0004	SY	8.7 Ounce/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500).....	7.43
		<i>For Up To 50, Add</i>	1.59
		<i>For &gt;50 To 150, Add</i>	1.19
		<i>For &gt;150 To 250, Add</i>	0.78
		<i>For &gt;250 To 500, Add</i>	0.39
31 32 19 13-0005	SY	12.6 Ounce/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800).....	10.74
		<i>For Up To 50, Add</i>	2.26
		<i>For &gt;50 To 150, Add</i>	1.69
		<i>For &gt;150 To 250, Add</i>	1.11
		<i>For &gt;250 To 500, Add</i>	0.56
31 32 19 13-0006	SY	14.1 Ounce/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000).....	12.31
		<i>For Up To 50, Add</i>	2.58
		<i>For &gt;50 To 150, Add</i>	1.92
		<i>For &gt;150 To 250, Add</i>	1.27
		<i>For &gt;250 To 500, Add</i>	0.64
31 32 19 13-0007	SY	4.3 Ounce/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20).....	6.06
		<i>For Up To 50, Add</i>	1.31
		<i>For &gt;50 To 150, Add</i>	0.98
		<i>For &gt;150 To 250, Add</i>	0.64
		<i>For &gt;250 To 500, Add</i>	0.32
31 32 19 13-0008	SY	5.9 Ounce/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30).....	8.96
		<i>For Up To 50, Add</i>	1.89
		<i>For &gt;50 To 150, Add</i>	1.41
		<i>For &gt;150 To 250, Add</i>	0.93
		<i>For &gt;250 To 500, Add</i>	0.47

### 31 32 19 16 Geotextile Soil Stabilization (31 32 19)

31 32 19 16-0001	<b>Nonwoven Polypropylene Geotextiles</b> <small>(31 32 19 16)</small>		
	Note: For drainage, filtration and separation.		
31 32 19 16-0002	SY	3.0 Ounce/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS).....	1.85
		<i>For Up To 50, Add</i>	0.41
		<i>For &gt;50 To 150, Add</i>	0.30
		<i>For &gt;150 To 250, Add</i>	0.20
		<i>For &gt;250 To 500, Add</i>	0.10
31 32 19 16-0003	SY	3.5 Ounce/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS).....	1.98
		<i>For Up To 50, Add</i>	0.44
		<i>For &gt;50 To 150, Add</i>	0.32
		<i>For &gt;150 To 250, Add</i>	0.21
		<i>For &gt;250 To 500, Add</i>	0.11
31 32 19 16-0004	SY	4.0 Ounce/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS).....	2.15
		<i>For Up To 50, Add</i>	0.47
		<i>For &gt;50 To 150, Add</i>	0.35
		<i>For &gt;150 To 250, Add</i>	0.23
		<i>For &gt;250 To 500, Add</i>	0.11
31 32 19 16-0005	SY	4.5 Ounce/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS).....	2.32
		<i>For Up To 50, Add</i>	0.50
		<i>For &gt;50 To 150, Add</i>	0.37
		<i>For &gt;150 To 250, Add</i>	0.25
		<i>For &gt;250 To 500, Add</i>	0.12
31 32 19 16-0006	SY	6.0 Ounce/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS).....	2.76
		<i>For Up To 50, Add</i>	0.59
		<i>For &gt;50 To 150, Add</i>	0.44
		<i>For &gt;150 To 250, Add</i>	0.29
		<i>For &gt;250 To 500, Add</i>	0.14
31 32 19 16-0007	SY	7.0 Ounce/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS).....	3.24
		<i>For Up To 50, Add</i>	0.70
		<i>For &gt;50 To 150, Add</i>	0.52
		<i>For &gt;150 To 250, Add</i>	0.34
		<i>For &gt;250 To 500, Add</i>	0.17
31 32 19 16-0008	SY	8.0 Ounce/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS).....	3.57
		<i>For Up To 50, Add</i>	0.77
		<i>For &gt;50 To 150, Add</i>	0.57
		<i>For &gt;150 To 250, Add</i>	0.37
		<i>For &gt;250 To 500, Add</i>	0.19
31 32 19 16-0009	SY	10 Ounce/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS).....	4.41
		<i>For Up To 50, Add</i>	0.93
		<i>For &gt;50 To 150, Add</i>	0.70
		<i>For &gt;150 To 250, Add</i>	0.46
		<i>For &gt;250 To 500, Add</i>	0.23
31 32 19 16-0010	SY	16 Ounce/SY, 175 Mil, 425 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric.....	6.34
		<i>For Up To 50, Add</i>	1.32
		<i>For &gt;50 To 150, Add</i>	0.99
		<i>For &gt;150 To 250, Add</i>	0.65
		<i>For &gt;250 To 500, Add</i>	0.33

### 31 32 19 16-0011 Woven Geotextiles Fabric (31 32 19 16)





<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Earthwork Methods</b>	<b>31 30</b>	
<b>Soil Stabilization</b>	<b>31 32</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0012 SY 200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55) .....	2.69	
For Up To 50, Add	0.58	
For >50 To 150, Add	0.43	
For >150 To 250, Add	0.28	
For >250 To 500, Add	0.14	
31 32 19 16-0013 SY 315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66) .....	3.80	
For Up To 50, Add	0.80	
For >50 To 150, Add	0.60	
For >150 To 250, Add	0.39	
For >250 To 500, Add	0.20	
31 32 19 16-0014 SY 4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%) .....	6.74	
For Up To 50, Add	1.40	
For >50 To 150, Add	1.05	
For >150 To 250, Add	0.69	
For >250 To 500, Add	0.35	
31 32 19 16-0015 SY 11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%) .....	6.57	
For Up To 50, Add	1.37	
For >50 To 150, Add	1.02	
For >150 To 250, Add	0.67	
For >250 To 500, Add	0.34	
31 32 19 16-0016 SY 6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF) .....	5.73	
For Up To 50, Add	1.20	
For >50 To 150, Add	0.89	
For >150 To 250, Add	0.59	
For >250 To 500, Add	0.30	
31 32 19 16-0017 SY 9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF) .....	6.13	
For Up To 50, Add	1.28	
For >50 To 150, Add	0.95	
For >150 To 250, Add	0.63	
For >250 To 500, Add	0.32	
31 32 19 16-0018 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF) .....	7.85	
For Up To 50, Add	1.62	
For >50 To 150, Add	1.21	
For >150 To 250, Add	0.80	
For >250 To 500, Add	0.40	
31 32 19 16-0019 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF) .....	11.22	
For Up To 50, Add	2.30	
For >50 To 150, Add	1.72	
For >150 To 250, Add	1.14	
For >250 To 500, Add	0.57	
<b>31 32 19 16-0020 Geomembranes (31 32 19 16)</b>		
<b>31 32 19 16-0021 Polyvinyl Chloride (PVC) Geomembrane (31 32 19 16-0020)</b>		
31 32 19 16-0022 SF 20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	1.32	
31 32 19 16-0023 SF 30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	1.53	
31 32 19 16-0024 SF 40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	1.86	
31 32 19 16-0025 SF 50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	2.23	
31 32 19 16-0026 SF 60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	2.56	
31 32 19 16-0027 SF 70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	2.79	
31 32 19 16-0028 SF 80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	3.03	
31 32 19 16-0029 SF 90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	3.35	
31 32 19 16-0030 SF 100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	3.66	
<b>31 32 19 16-0031 High Density Polyethylene (HDPE) Geomembrane (31 32 19 16-0020)</b>		
31 32 19 16-0032 SF 20 Mil High Density Polyethylene Membrane (US Fabrics) .....	0.93	
31 32 19 16-0033 SF 30 Mil High Density Polyethylene Membrane (US Fabrics) .....	0.96	
31 32 19 16-0034 SF 40 Mil High Density Polyethylene Membrane (US Fabrics) .....	1.09	
31 32 19 16-0035 SF 50 Mil High Density Polyethylene Membrane (US Fabrics) .....	1.65	
31 32 19 16-0036 SF 60 Mil High Density Polyethylene Membrane (US Fabrics) .....	1.32	
31 32 19 16-0037 SF 80 Mil High Density Polyethylene Membrane (US Fabrics) .....	1.58	
31 32 19 16-0038 SF 100 Mil High Density Polyethylene Membrane (US Fabrics) .....	1.84	
31 32 19 16-0039 SF 120 Mil High Density Polyethylene Membrane (US Fabrics) .....	3.15	
31 32 19 16-0040 SF 140 Mil High Density Polyethylene Membrane (US Fabrics) .....	3.26	
<b>31 32 19 26 Geoweb Cellular Confinement System (31 32 19)</b>		
Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
<b>31 32 19 26-0001 Geoweb Cellular Confinement System (31 32 19 26)</b>		
Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0002 SF 4" Geoweb Cellular Confinement System (Presto Geosystems) .....	7.75	
For >20,000, Deduct	-0.21	
For >2:1 Slope, Add	1.15	

<b>31</b>	<b>31 Earthwork</b>
	<b>31 30 Earthwork Methods</b>
	<b>31 32 Soil Stabilization</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 26-0003 SF 6" Geoweb Cellular Confinement System (Presto Geosystems) .....	9.67	
<i>For &gt;20,000, Deduct</i>	-0.31	
<i>For &gt;2:1 Slope, Add</i>	1.15	
31 32 19 26-0004 SF 8" Geoweb Cellular Confinement System (Presto Geosystems) .....	11.95	
<i>For &gt;20,000, Deduct</i>	-0.42	
<i>For &gt;2:1 Slope, Add</i>	1.15	
<b>31 32 36 Soil Nailing <sup>(31 32)</sup></b>		
<b>31 32 36 11 Soil Nailing Stabilization <sup>(31 32 36)</sup></b>		
<b>31 32 36 11-0001 Landslide and Slip-Out Stabilization <sup>(31 32 36 11)</sup></b>		
<p>Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current California license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor and the Contractor's Engineer will also warrant the stability of the repaired roadway section for a period of 5 years.</p>		
<b>31 32 36 11-0002 BioWall® <sup>(31 32 36 11-0001)</sup></b>		
<p>Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to ¼(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).</p>		
31 32 36 11-0003 SF BioWall® Construction .....	25.00	
<b>31 32 36 11-0004 Green Terra Mesh <sup>(31 32 36 11-0001)</sup></b>		
<p>Note: Furnish and install the Green Terra Mesh. Furnish equipment and incidentals necessary to complete the work. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).</p>		
31 32 36 11-0005 EA Green Terra Mesh .....	635.25	
<b>31 32 36 11-0006 GeoSynthetically Confined Soil™ (GCS®) Components <sup>(31 32 36 11-0001)</sup></b>		
<p>Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™ (GCS®). Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 – Design and Construction Guidelines for Geosynthetic – Reinforced Soil Bridge Abutments with a Flexible Facing) noted below. Reinforcement Selection and Placement: Geosynthetic reinforcement shall consist of high-tenacity geotextiles manufactured for soil reinforcement applications. Geotextiles shall not be exposed to sunlight and extreme temperatures for an extended period of time. Damaged or improperly handled geosynthetic reinforcement shall be rejected. Use a woven polypropylene geotextile with ultimate tensile strength of 2400 lbs/ft (Amoco 2044 or similar) in the cross-machine direction (as per ASTM D4595). The geosynthetic reinforcement perpendicular to the wall face should consist of one continuous piece of material. Overlap of reinforcement in the design strength direction is not permitted. Adjacent sections of geosynthetic reinforcement should be placed so as to ensure that horizontal coverage shown on the plans is provided. Tracked construction equipment shall not be operated directly on the geosynthetic reinforcement. A minimum backfill thickness of 150 mm (6 in.) is required before operation of tracked vehicles over the geosynthetic reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacing the fill and damaging or moving the geosynthetic reinforcement. Rubber-tired equipment may pass over the geosynthetic reinforcement at slow speeds less than 17 km/hr (10 miles/hr). Sudden braking and sharp turning should be avoided. Backfill Specifications: Structure backfill material should consist of material free from organic or other unsuitable material as determined by the Contractor's Engineer. Grading of the backfill should be as follows: 100 percent passing 100 mm (4 in.) sieve, 0-60 percent passing No. 40 (0.425 mm) sieve, and 0-15 percent passing No. 200 (0.075mm) sieve; plasticity index (PI) as determined by AASHTO T90, should not exceed 6. The backfill should exhibit an angle of internal friction of not less than 34 degrees, as determined by the standard direct shear test on the portion finer than 2 mm (No.10) sieve, using a sample compacted to 95 percent of AASHTO T-99, Methods C or D, at optimum moisture content. No testing is required for backfills where 80 percent of sizes are greater than 19 mm. The backfill should be substantially free of shale or other soft, poor durability particles and should have an organic content not larger than 1 percent. The backfill should have a pH between 4.5 and 9. Backfill Placement: Reinforced fill should be placed as specified in construction plans in compacted lift thickness of 8in, but in no case in lifts greater than 12in. Reinforced fill should be placed and compacted at or within 2 percent dry of the optimum moisture content. If the reinforced fill is free draining (i.e., with less than 5 percent passing a No. 200 sieve), water content of the fill may be within ±3 percent of the optimum. A minimum density of 90 percent of standard Proctor density is required. Optimum compaction is 100 percent of AASHTO T-99 (or 95 percent of AASHTO T-180) but this may not be possible throughout the wall structure. If significant percentage of the backfill is coarse material (i.e., greater than 30 percent retained on the 19 mm, or ¾ in., sieve), a procedural specification may be used to verify compaction, (no less than two passes with a conventional vibratory plate compaction equipment). Backfill should be placed, spread, and compacted so as to prevent the development of wrinkles or movement of the geosynthetic reinforcement and the wall facing units. Only hand-operated compaction equipment should be allowed within 0.5 m (1.5 ft) of the front of th See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).</p>		
31 32 36 11-0007 SF GeoSynthetically Confined Soil™ (GCS®) Wall Construction .....	23.75	
<p>Note: Installation sold per square face foot (excludes materials)</p>		
31 32 36 11-0008 EA GeoSynthetically Confined Soil™ (GCS®) Wall Galvanized Wire Basket Units (approximately 10" x 120") .....	108.50	
31 32 36 11-0009 EA GeoSynthetically Confined Soil™ (GCS®) Wall Concrete Masonry Units (approximately 8" x 8" x 16") .....	6.50	
31 32 36 11-0010 SF GeoSynthetically Confined Soil™ (GCS®) Wall Woven Geotextile .....	0.75	



<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Earthwork Methods</b>	<b>31 30</b>	
<b>Soil Stabilization</b>	<b>31 32</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 11-0011 Turf <sup>(31 32 36 11-0001)</sup> Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0012 Permanent Turf Reinforcing Mat (TRM) <sup>(31 32 36 11-0011)</sup> Note: Furnish a web of mechanically bonded synthetic fibers that are entangled to form a strong and dimensionally stable mat. Place fibers between 2 or 3 high-strength, biaxially oriented nets mechanically bound together by stitching with polyolefin thread. The netting material must be resistant to biological, chemical, and ultra-violet degradation.		
31 32 36 11-0013 SF Permanent Turf Reinforcement Mat..... Note: sold per square face foot	1.50	
31 32 36 11-0014 Biodegradable Turf Reinforcing Mat (TRM) <sup>(31 32 36 11-0011)</sup> Note: Furnish a geotextile composed of seed free processed natural fiber matrix mechanically bound together with 100% degradable binding fiber or netting to form a continuous matrix.		
31 32 36 11-0015 SF Biodegradable Turf Reinforcement Mat..... Note: sold per square face foot	0.75	
31 32 36 11-0016 Shotcrete or Gunite <sup>(31 32 36 11-0001)</sup> Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0017 Wet-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ <sup>(31 32 36 11-0016)</sup> Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a wet-mix. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, III or V. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Water Clean and Potable. AASHTO M157/ASTM C94 Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplasticizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use mixing equipment that thoroughly blends the materials in sufficient quantity to maintain placing continuity. Produce ready mix shotcrete complying		
31 32 36 11-0018 SFI Wet-Mix Reinforced Shotcrete..... Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).	5.50	

<b>31</b>	<b>31</b>	<b>Earthwork</b>
	<b>31 30</b>	<b>Earthwork Methods</b>
	<b>31 32</b>	<b>Soil Stabilization</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

31 32 36 11-0019	<p><b>Dry-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™</b> <small>(31 32 36 11-0016)</small></p> <p>Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a dry-mix. The dry-mix process consists of thoroughly mixing Portland cement and aggregate (and or synthetic fiber) thoroughly mixed dry, passed through a cement gun and conveyed by air through a flexible tube, hydrated at a nozzle at the end of such flexible tube and deposited by air pressure in its place of final repose. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, or III. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Fiber Reinforcement ASTM C116-00 Water Clean and Potable. AASHTO M157/ASTM C94 and shall be maintained at a uniform pressure which shall be at least 15 pounds per square inch above air pressure at the nozzle. Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100</p> <p>Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C6</p>	8.50
31 32 36 11-0021	<p><b>Steel Fiber Reinforcement for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™</b> <small>(31 32 36 11-0016)</small></p>	1.25
31 32 36 11-0023	<p><b>Steel Mesh and Steel Plates for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails®</b> <small>(31 32 36 11-0001)</small></p> <p>Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).</p>	
31 32 36 11-0024	<p><b>Steel Mesh Surface Treatment for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails®</b> <small>(31 32 36 11-0023)</small></p> <p>Note: Furnish Galfan® Coated Steel Mesh for use with Launched Soil Nails™, SuperNails®, or Self Drilling SuperNails® that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</p>	
31 32 36 11-0025	SF High Capacity Diamond Mesh.....	11.00
31 32 36 11-0026	SF Double Twist Wire Mesh.....	13.75
31 32 36 11-0027	<p><b>Steel Plates</b> <small>(31 32 36 11-0023)</small></p>	
31 32 36 11-0028	EA Galvanized Steel Plates (8x8).....	35.00
31 32 36 11-0029	EA Galvanized Steel Plates (10x10).....	54.75
31 32 36 11-0030	EA Galvanized Steel Plates (12x12).....	78.75
31 32 36 11-0031	EA Epoxy Coated Steel Plates (8x8).....	76.00
31 32 36 11-0032	EA Epoxy Coated Steel Plates (10x10).....	89.25
31 32 36 11-0033	EA Epoxy Coated Steel Plates (12x12).....	105.25



<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Earthwork Methods</b>	<b>31 30</b>	
<b>Soil Stabilization</b>	<b>31 32</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**31 32 36 11-0034 Drilled Horizontal Drains** (31 32 36 11-0001)  
 Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0035	LF	Drilled PVC Horizontal Drains (up to 2" Diameter).....	26.00
31 32 36 11-0036	LF	Stripdrain - 6" Wide.....	3.25
31 32 36 11-0037	LF	Stripdrain - 12" Wide.....	4.00
31 32 36 11-0038	LF	PVC Drain Collector Pipe System.....	26.75

**31 32 36 11-0039 Rockfall Stabilization** (31 32 36 11-0001)  
 Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0040	SF	Scaling.....	3.75
31 32 36 11-0041	SF	Trim Blasting.....	155.00
31 32 36 11-0042	SY	Slope Drape - Double Twist Wire Mesh.....	45.00
31 32 36 11-0043	SY	Slope Drape - Cable Net.....	135.00
31 32 36 11-0044	SY	Slope Drape - Tecco Mesh (4mm).....	135.00
31 32 36 11-0045	LF	Temporary Rockfall Barrier.....	500.00
31 32 36 11-0046	LF	Low Reach Drilling (<25 feet).....	25.00
31 32 36 11-0047	LF	High Reach Drilling (>25 feet).....	45.00
31 32 36 11-0048	LF	Limited Access Drilling.....	100.00
31 32 36 11-0049	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Galvanized).....	18.50
31 32 36 11-0050	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Epoxy Coated).....	15.25
31 32 36 11-0051	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Galvanized).....	23.25
31 32 36 11-0052	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Epoxy Coated).....	17.25
31 32 36 11-0053	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Galvanized).....	23.50
31 32 36 11-0054	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Epoxy Coated).....	18.75
31 32 36 11-0055	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Galvanized).....	26.50
31 32 36 11-0056	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Epoxy Coated).....	21.00
31 32 36 11-0057	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Galvanized).....	29.25
31 32 36 11-0058	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Epoxy Coated).....	21.00
31 32 36 11-0059	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Galvanized).....	34.50
31 32 36 11-0060	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Epoxy Coated).....	31.75
31 32 36 11-0061	EA	Rock Anchor Testing.....	825.00

**31 32 36 11-0062 Mobilization / Demobilization** (31 32 36 11-0001)

31 32 36 11-0063	EA	Mobilization - In State.....	10,000.00
31 32 36 11-0064	EA	Mobilization - Out Of State.....	25,000.00
31 32 36 11-0065	EA	Mobilization - Specialty Equipment Adder.....	9,800.00

**31 32 36 11-0066 Daily Crew Rates (DCR)** (31 32 36 11-0001)

31 32 36 11-0067	DAY	Soils Stabilization Crew - DCR , Per Workday.....	13,150.00
31 32 36 11-0068	DAY	Rockfall Stabilization Crew - DCR, Per Workday.....	15,200.00
31 32 36 11-0069	DAY	Compaction Grouting Crew - DCR, Per Workday.....	12,925.00
31 32 36 11-0070	DAY	Additional Crew Member/Crew - DCR, Per Workday.....	2,050.00
31 32 36 11-0071	EA	Out of State Crew Rotation.....	4,950.00
31 32 36 11-0072	EA	Spider Excavation.....	5,500.00

**31 32 36 13 Driven Soil Nailing** (31 32 36)

**31 32 36 13-0001 Large Diameter Micropiles** (31 32 36 13)  
 Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 13-0002	LF	5" Micropiles (with up to 5.5" steel casing).....	94.50
31 32 36 13-0003	LF	7" Micropiles (with up to 7.625" steel casing).....	130.25
31 32 36 13-0004	LF	10" Micropiles (with up to 9.625" steel casing).....	166.50
31 32 36 13-0005	LF	12" Micropiles (with up to 11.875" steel casing).....	213.25

**31 32 36 16 Grouted Soil Nailing** (31 32 36)

**31 32 36 16-0001 Grouting** (31 32 36 16)  
 Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

<b>31</b>	<b>31</b>	<b>Earthwork</b>
	<b>31 30</b>	<b>Earthwork Methods</b>
	<b>31 32</b>	<b>Soil Stabilization</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

31 32 36 16-0002

**Compaction Grouting** (31 32 36 16-0001)

Note: A. Furnish compaction grout material manufactured on-site (at the project location) in volumetric batching equipment so that grout rheology can be controlled real-time. The grout shall have a slump of 0.50" to 3.0" depending on the specific requirements of the project and shall conform to the engineering plans developed and submitted by the Contractor. Grout components shall consist of Type I/II cement, potable water and aggregate. Fly Ash may be added to the mix per the engineering plans. All aggregate for the compaction grout material shall meet the following requirements: a. 100% passing the 1/2" sieve b. Less than 2% organics c. No bentonite or other clay of medium to high plasticity shall be used. Site conditions and re-leveling requirements shall determine the exact proportions of cement, water and soil. The grout mix shall generally consist of aggregate with up to 12% cement by weight and water to form a very stiff mortar-like mixture. No admixtures shall be used without the Project Manager's approval, and previous testing. Mix design and test results of grout mixture must be submitted and approved by the Project Manager 15 Days prior to the commencement of the work. A. Gradations of the aggregate material to be utilized shall be submitted as part of the submittal process and prior to any work taking place. B. The compaction grouting mixer shall be of a type to ensure complete mixing of the stiff grout, as approved by the Project Manager. The compaction grout mixer shall be of sufficient capacity to continuously deliver grout having a slump of less than 1.5 inches at pressures up to 1,000 psi, at flow rates ranging from 0.1 to 5.0 cubic feet per minute. Gauges shall be provided at the pump and the grout pipe head to measure pressure the rate of flow. Type and location of gauges shall be as specified by the Contractor. A dial gauge or meter capable of measuring to 0.5 cubic feet or less shall be provided to measure the amount of grout pumped into the hole. A pressure gauge shall be graduated in 10-psi increments or less and used to measure the applied pressure. Compaction grout hose shall have a minimum inside diameter of 2 inches with non-restrictive full flow couplings. The hose shall be of sufficient strength for the pressures anticipated, and shall be in good condition.

31 32 36 16-0003	LF	Compaction Grouting Casing Installation.....	52.75
31 32 36 16-0004	CF	Compaction Grout Injection for Soils Densification.....	55.50
31 32 36 16-0005	CF	Compaction Grout For Void Fill.....	39.00

31 32 36 16-0006

**Polyurethane Grouting** (31 32 36 16-0001)

Note: The material shall be a two part 1:1 ratio by volume, polyurethane-forming mixture, having a water insoluble diluent, which permits the formation of polyurethanes in excess water. The material shall reach 90% Compressive strength in 30 minutes such that traffic may be returned to roadway within 30 minutes after last injection of material. Polyurethane Free-rise Physical Properties Property I Units ASTM Minimum Maximum Density - lb/cf D 1622 3.0 lb/cf 6.0 lb/cf Tensile Strength - psi D 1623 80 psi Compressive Strength at Yield Point - psi D 1621 60 psi Furnish equipment and incidentals necessary to complete the work. Polyurethane grout shall not be used for deep injection (deeper than 3 ft below bottom of structure) or soils densification, it shall only be used for void filling under structures and for re-leveling. The Contractor shall prepare a profile to determine the areas that require void filling and re-leveling and determine the locations of the injection holes for each treated area. The Contractor shall obtain approval for the final proposed grades and the location of injection holes. The Contractor shall submit a plan for approval of the proposed polyurethane injection methods for the designated project areas. The plan shall include, but not be limited to: proposed diameter of casing (if required), depth of placement, angle of inclination, injection tube spacing, and project staging. The plan shall include monitoring procedures to ensure that damage will not occur to any existing structures due to the injection process. Monitoring devices shall be installed on mechanically stabilized earth retaining systems and between approach slabs and approach slab footings or other components to help prevent damage. The Contractor shall drill a pattern of holes as proposed in his plan. The holes shall be located in a manner that the void filling and structure lifting process does not affect any adjoining structures, such as mechanically stabilized earth retaining walls. Holes shall not be drilled within 4" of the edge of the slab, construction joints or major cracks. No more holes shall be drilled and tubes installed during the day than can be filled during that day. On bridge approach and roadway projects, and as applicable, the initial lift shall be at the sleeper footer. The Contractor shall lift the sleeper footer and the approach slab to the desired elevation by injecting material under the structures with care to assure that polyurethane material is not placed between the sleeper footer and the approach slab. The amount of rise shall be controlled by regulating the rate of injection of the high density polyurethane material. When the nozzle is removed from the hole, any excessive polyurethane material shall be removed from the area.

31 32 36 16-0007	LB	Polyurethane Grouting For Void Fill and Re-Leveling.....	11.50
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**31 32 36 19 Corrosion-Protected Soil Nailing** (31 32 36)

31 32 36 19-0001 **Self-Drilling SuperNails® / SuperMicropiles™** (31 32 36 19)

Note: Furnish Self-Drilling SuperNails® / SuperMicropiles™ that consist of a hollow, threaded bar with a sacrificial drill bit. Multiple bars may be coupled to produce final length. Bar thread pattern should be continuous and conform to the pullout requirements of ASTM A 615 (Williams Form Engineering B7X or Ischebeck Titan bars, or approved equivalent). R-thread bars, bars/couplers made from high carbon (>0.20%) or high phosphorous (>0.06%) steels, or bars/couplers made from steels that do not meet the tensile ductility requirements of ASTM A 615 shall not be used for any tensile applications. Bar outer diameters shall be a minimum of 1.5 inches and up to and 3 inches depending on design load. Corrosion Protection for Self Drilling Nails shall follow current FHWA guidance. Inserted length and spacing of Self-Drilling SuperNails® / SuperMicropiles™ will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 19-0002

**Self-Drilling SuperNails®** (31 32 36 19-0001)

31 32 36 19-0003	EA	Self Drilling SuperNails® Up To 10 Ft. Length.....	559.00
31 32 36 19-0004	EA	Self Drilling SuperNails® Up To 20 Ft. Length.....	939.25
31 32 36 19-0005	EA	Self Drilling SuperNails® Up To 30 Ft. Length.....	1,305.75
31 32 36 19-0006	EA	Self Drilling SuperNails® Up To 40 Ft. Length.....	1,735.75
31 32 36 19-0007	EA	Self Drilling SuperNails® Up To 50 Ft. Length.....	2,119.75
31 32 36 19-0008	EA	Self Drilling SuperNails® Up To 60 Ft. Length.....	2,459.25
31 32 36 19-0009	EA	Self Drilling SuperNails® Up To 70 Ft. Length.....	2,879.25
31 32 36 19-0010	EA	Self Drilling SuperNails® Up To 80 Ft. Length.....	3,253.50
31 32 36 19-0011	EA	Additional Cost for 10' High Capacity X-51 Bar.....	129.50

31 32 36 19-0012 **SuperNail® Testing** (31 32 36 19)

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).



<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Earthwork Methods</b>	<b>31 30</b>	
<b>Soil Stabilization</b>	<b>31 32</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 19-0013	EA	SuperNail® Proof Testing.....	769.00
31 32 36 19-0014	EA	SuperNail® Verification Testing.....	2,339.75

**31 32 36 26 Launched Soil Nailing** (31 32 36)

**31 32 36 26-0001 Launched SuperDrain™ (Horizontal Drains)** (31 32 36 26)

Note: Furnish Launched SuperDrain™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Drainage perforations consist of 0.5-inch diameter holes drilled or torch-cut at 6 inch spacing along the distal 5 feet of nail. Every other hole is rotated 90° about the longitudinal axis of the nail. Furnish equipment and incidentals necessary to complete the work. Insert Launched SuperDrain™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 26-0002	EA	GalvaDized™ SuperDrain™ - Up To 20'.....	605.00
		Note: perforated GalvaDized™ steel tube up to 20 ft. length.	
31 32 36 26-0003	EA	Fiberglass SuperNail® - Up To 20'.....	621.50
		Note: perforated fiberglass tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.	
31 32 36 26-0004	EA	GalvaDized™ SuperNail® - Up To 20'.....	478.50
		Note: perforated GalvaDized™ steel tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.	
31 32 36 26-0005	EA	Temporary Launched Soil Nail.....	379.50
		Note: bare steel tube up to 20 ft. length.	
31 32 36 26-0006	EA	Fiberglass SuperDrain™.....	495.00
		Note: perforated fiberglass tube up to 20 ft. length.	
31 32 36 26-0007	EA	GalvaDized™ SuperDrain™.....	379.50
		Note: perforated GalvaDized™ steel tube up to 20 ft. length.	

**31 32 36 29 Drilled Soil Nailing** (31 32 36)

**31 32 36 29-0001 Drilled SuperNails® (Permanently Cased Soil Nails)** (31 32 36 29)

Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperNails® may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNail® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 29-0002	EA	Drilled GalvaDized™ SuperNail® Up To 10 Ft. Length.....	602.25
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0003	EA	Drilled GalvaDized™ SuperNail® Up To 20 Ft. Length.....	693.50
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0004	EA	Drilled GalvaDized™ SuperNail® Up To 30 Ft. Length.....	921.50
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0005	EA	Drilled GalvaDized™ SuperNail® Up To 40 Ft. Length.....	1,056.00
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0006	EA	Drilled GalvaDized™ SuperNail® Up To 50 Ft. Length.....	1,171.50
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0007	EA	Drilled GalvaDized™ SuperNail® Up To 60 Ft. Length.....	1,376.50
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0008	EA	Drilled GalvaDized™ SuperNail® Up To 70 Ft. Length.....	1,624.75
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0009	EA	Drilled GalvaDized™ SuperNail® Up To 80 Ft. Length.....	1,872.75
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	

**31 32 36 33 Drilled / Launched Soil Nailing** (31 32 36)

**31 32 36 33-0001 Drilled / Launched SuperMicropiles™** (31 32 36 33)

Note: Furnish SuperMicropiles™ that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperMicropiles™ may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperMicropile™ outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 33-0002	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 20 Ft. Length.....	695.00
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	
31 32 36 33-0003	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 30 Ft. Length.....	1,020.00
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	
31 32 36 33-0004	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 40 Ft. Length.....	1,280.00
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	
31 32 36 33-0005	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 50 Ft. Length.....	1,540.00
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	

<b>31</b>	<b>31 Earthwork</b>
	<b>31 30 Earthwork Methods</b>
	<b>31 32 Soil Stabilization</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**31 35 Slope Protection** <sup>(31 30)</sup>

**31 35 19 Geosynthetic Slope Protection** <sup>(31 35)</sup>

**31 35 19 19 Slope Protection with Mulch Control Netting** <sup>(31 35 19)</sup>

**31 35 19 19-0001 Erosion Control Fabric** <sup>(31 35 19 19)</sup>

31 35 19 19-0002	SY	26.6 OZ/SY Erosion Control Fabric (Belton Industries Geocoir 900)	4.89
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**31 37 Riprap** <sup>(31 30)</sup>

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

**31 37 13 Machined Riprap** <sup>(31 37)</sup>

**31 37 13 00-0001 Random - Filter Stone** <sup>(31 37 13)</sup>

31 37 13 00-0002	CY	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	61.39
		<i>For Chinking Material, Add</i>	14.50
31 37 13 00-0003	CY	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	70.61
		<i>For Chinking Material, Add</i>	14.50
31 37 13 00-0004	CY	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	74.95
		<i>For Chinking Material, Add</i>	14.50
31 37 13 00-0005	CY	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	79.89
		<i>For Chinking Material, Add</i>	14.50
31 37 13 00-0006	CY	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	83.87
		<i>For Chinking Material, Add</i>	14.50
31 37 13 00-0007	CY	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	90.38
31 37 13 00-0008	CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	108.05
31 37 13 00-0009	TON	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	41.05
31 37 13 00-0010	TON	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	46.90
31 37 13 00-0011	TON	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	49.66
31 37 13 00-0012	TON	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	52.79
31 37 13 00-0013	TON	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	55.32
31 37 13 00-0014	TON	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	59.51
31 37 13 00-0015	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	73.45

**31 40 Shoring and Underpinning** <sup>(31)</sup>

**31 41 Shoring** <sup>(31 40)</sup>

**31 41 13 Timber Shoring** <sup>(31 41)</sup>

**31 41 13 00-0001 Wood Sheet Piling** <sup>(31 41 13)</sup>

**31 41 13 00-0002 Pull And Salvage** <sup>(31 41 13 00-0001)</sup>

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003	SF	8' Deep Excavation, Wood Shoring, Pull And Salvage	13.65
		<i>For Wood Sheeting Left In Place</i>	-0.11
31 41 13 00-0004	SF	10' Deep Excavation, Wood Shoring, Pull And Salvage	14.73
		<i>For Wood Sheeting Left In Place</i>	-0.28
31 41 13 00-0005	SF	12' Deep Excavation, Wood Shoring, Pull And Salvage	15.90
		<i>For Wood Sheeting Left In Place</i>	-0.46
31 41 13 00-0006	SF	14' Deep Excavation, Wood Shoring, Pull And Salvage	17.16
		<i>For Wood Sheeting Left In Place</i>	-0.68
31 41 13 00-0007	SF	16' Deep Excavation, Wood Shoring, Pull And Salvage	18.53
		<i>For Wood Sheeting Left In Place</i>	-0.91
31 41 13 00-0008	SF	18' Deep Excavation, Wood Shoring, Pull And Salvage	20.01
		<i>For Wood Sheeting Left In Place</i>	-1.18
31 41 13 00-0009	SF	20' Deep Excavation, Wood Shoring, Pull And Salvage	21.63
		<i>For Wood Sheeting Left In Place</i>	-1.47

**31 41 16 Sheet Piling** <sup>(31 41)</sup>

**31 41 16 13 Steel Sheet Piling** <sup>(31 41 16)</sup>

**31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage** <sup>(31 41 16 13)</sup>

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 16 13-0002	TON	Driven Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	2,118.95
		<i>For Standard Sheeting Left In Place, Add</i>	1,127.36
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,084.49
		<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	96.48
		<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	107.20
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	332.31
		<i>For Each Additional Month &gt;3 Months, Add</i>	53.60





<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Shoring and Underpinning</b>	<b>31 40</b>	
<b>Shoring</b>	<b>31 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 41 16 13-0003 TON Driven Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage.....	2,204.24	
For Standard Sheeting Left In Place, Add	1,084.72	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,041.84	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.48	
For High Strength Sheeting 55,000 PSI Grade, Add	107.20	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	332.31	
For Each Additional Month >3 Months, Add	53.60	
31 41 16 13-0004 TON Driven Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,600.72	
For Standard Sheeting Left In Place, Add	886.48	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	843.60	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.48	
For High Strength Sheeting 55,000 PSI Grade, Add	107.20	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	332.31	
For Each Additional Month >3 Months, Add	53.60	
31 41 16 13-0005 TON Driven Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,982.25	
For Standard Sheeting Left In Place, Add	695.71	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	652.84	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.48	
For High Strength Sheeting 55,000 PSI Grade, Add	107.20	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	332.31	
For Each Additional Month >3 Months, Add	53.60	
31 41 16 13-0006 TON Driven Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	3,206.68	
For Standard Sheeting Left In Place, Add	583.50	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	540.62	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.48	
For High Strength Sheeting 55,000 PSI Grade, Add	107.20	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	332.31	
For Each Additional Month >3 Months, Add	53.60	
31 41 16 13-0007 TON Driven Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	3,435.60	
For Standard Sheeting Left In Place, Add	469.04	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	426.16	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.48	
For High Strength Sheeting 55,000 PSI Grade, Add	107.20	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	332.31	
For Each Additional Month >3 Months, Add	53.60	

31 45 Vibroflotation and Densification (31 45)

**31 45 13 Vibroflotation** (31 45)

31 45 13 00-0001 LCY Soil Stabilization, Vibroflotation.....	15.56
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31 60 Special Foundations and Load-bearing Elements (31)

31 62 Driven Piles (31 62)

**31 62 13 Concrete Piles** (31 62)

**31 62 13 23 Prestressed Concrete Piles** (31 62 13)

**31 62 13 23-0001 Square Prestressed Driven Concrete Piles** (31 62 13 23)

31 62 13 23-0002 VLF 10" Square Prestressed Driven Concrete Pile.....	33.14
For Piles Driven In Water, Add	16.18
31 62 13 23-0003 VLF 12" Square Prestressed Driven Concrete Pile.....	41.54
For Piles Driven In Water, Add	18.21
31 62 13 23-0004 VLF 14" Square Prestressed Driven Concrete Pile.....	50.34
For Piles Driven In Water, Add	20.05
31 62 13 23-0005 VLF 16" Square Prestressed Driven Concrete Pile.....	61.62
For Piles Driven In Water, Add	22.24
31 62 13 23-0006 VLF 18" Square Prestressed Driven Concrete Pile.....	74.77
For Piles Driven In Water, Add	24.78
31 62 13 23-0007 VLF 20" Square Prestressed Driven Concrete Pile.....	86.48
For Piles Driven In Water, Add	27.40
31 62 13 23-0008 VLF 24" Square Prestressed Driven Concrete Pile.....	110.25
For Piles Driven In Water, Add	31.48

**31 62 13 23-0009 Octagonal Prestressed Driven Concrete Piles** (31 62 13 23)

31 62 13 23-0010 VLF 12" Octagonal Prestressed Driven Concrete Pile.....	37.21
For Piles Driven In Water, Add	16.96
31 62 13 23-0011 VLF 14" Octagonal Prestressed Driven Concrete Pile.....	45.62
For Piles Driven In Water, Add	18.62
31 62 13 23-0012 VLF 16" Octagonal Prestressed Driven Concrete Pile.....	54.18
For Piles Driven In Water, Add	20.43
31 62 13 23-0013 VLF 18" Octagonal Prestressed Driven Concrete Pile.....	64.73
For Piles Driven In Water, Add	22.55
31 62 13 23-0014 VLF 20" Octagonal Prestressed Driven Concrete Pile.....	68.90
For Piles Driven In Water, Add	24.20
31 62 13 23-0015 VLF 24" Octagonal Prestressed Driven Concrete Pile.....	73.33
For Piles Driven In Water, Add	26.09

**31 62 13 23-0016 Straight Cylinder Prestressed Driven Concrete Piles** (31 62 13 23)

**31 Earthwork****31 60 Special Foundations and Load-bearing Elements****31 62 Driven Piles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 13 23-0017 VLF 12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	53.31	
<i>For Piles Driven In Water, Add</i>	17.83	
31 62 13 23-0018 VLF 14" Diameter, 2-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	63.14	
<i>For Piles Driven In Water, Add</i>	19.55	
31 62 13 23-0019 VLF 16" Diameter, 3" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	74.75	
<i>For Piles Driven In Water, Add</i>	21.53	
31 62 13 23-0020 VLF 18" Diameter, 3-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	84.57	
<i>For Piles Driven In Water, Add</i>	23.47	
31 62 13 23-0021 VLF 20" Diameter, 4" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	106.19	
<i>For Piles Driven In Water, Add</i>	26.69	
31 62 13 23-0022 VLF 24" Diameter, 5" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	131.17	
<i>For Piles Driven In Water, Add</i>	30.42	
<b>31 62 16 Steel Piles (31 62)</b>		
<b>31 62 16 16 Steel H Piles (31 62 16)</b>		
<b>31 62 16 16-0001 Rolled, Driven Steel H Piles (31 62 16 16)</b>		
31 62 16 16-0002 VLF 8" x 8" x 36 LB/FT, Rolled, Driven Steel H Pile.....	34.07	
<i>For Piles Driven In Water, Add</i>	17.47	
31 62 16 16-0003 VLF 10" x 10" x 42 LB/FT, Rolled, Driven Steel H Pile.....	37.94	
<i>For Piles Driven In Water, Add</i>	18.56	
31 62 16 16-0004 VLF 10" x 10" x 57 LB/FT, Rolled, Driven Steel H Pile.....	45.62	
<i>For Piles Driven In Water, Add</i>	19.33	
31 62 16 16-0005 VLF 12" x 12" x 53 LB/FT, Rolled, Driven Steel H Pile.....	44.05	
<i>For Piles Driven In Water, Add</i>	19.61	
31 62 16 16-0006 VLF 12" x 12" x 63 LB/FT, Rolled, Driven Steel H Pile.....	49.18	
<i>For Piles Driven In Water, Add</i>	20.12	
31 62 16 16-0007 VLF 12" x 12" x 74 LB/FT, Rolled, Driven Steel H Pile.....	56.24	
<i>For Piles Driven In Water, Add</i>	22.10	
31 62 16 16-0008 VLF 12" x 12" x 84 LB/FT, Rolled, Driven Steel H Pile.....	61.36	
<i>For Piles Driven In Water, Add</i>	22.62	
31 62 16 16-0009 VLF 14" x 14" x 73 LB/FT, Rolled, Driven Steel H Pile.....	56.16	
<i>For Piles Driven In Water, Add</i>	22.49	
31 62 16 16-0010 VLF 14" x 14" x 89 LB/FT, Rolled, Driven Steel H Pile.....	64.88	
<i>For Piles Driven In Water, Add</i>	23.36	
31 62 16 16-0011 VLF 14" x 14" x 102 LB/FT, Rolled, Driven Steel H Pile.....	72.60	
<i>For Piles Driven In Water, Add</i>	25.55	
31 62 16 16-0012 VLF 14" x 14" x 117 LB/FT, Rolled, Driven Steel H Pile.....	80.80	
<i>For Piles Driven In Water, Add</i>	26.37	
31 62 16 16-0013 Splices, Caps, And Points For H-Piles (31 62 16 16)		
<b>31 62 16 16-0014 Rolled Steel H Pile Splices (31 62 16 16-0013)</b>		
31 62 16 16-0015 EA 8" Rolled Steel H Pile Splice.....	294.31	
31 62 16 16-0016 EA 10" Rolled Steel H Pile Splice.....	330.71	
31 62 16 16-0017 EA 12" Rolled Steel H Pile Splice.....	452.73	
31 62 16 16-0018 EA 14" Rolled Steel H Pile Splice.....	470.93	
31 62 16 16-0019 Rolled Steel H Driving Caps (31 62 16 16-0013)		
31 62 16 16-0020 EA 8" Rolled Steel H Driving Cap.....	3,023.02	
31 62 16 16-0021 EA 10" Rolled Steel H Driving Cap.....	3,023.02	
31 62 16 16-0022 EA 12" Rolled Steel H Driving Cap.....	3,077.51	
31 62 16 16-0023 EA 14" Rolled Steel H Driving Cap.....	4,624.66	
31 62 16 16-0024 Rolled Steel H Standard Pile Points (31 62 16 16-0013)		
31 62 16 16-0025 EA 8" Rolled Steel H Standard Pile Point.....	312.51	
31 62 16 16-0026 EA 10" Rolled Steel H Standard Pile Point.....	330.71	
31 62 16 16-0027 EA 12" Rolled Steel H Standard Pile Point.....	452.73	
31 62 16 16-0028 EA 14" Rolled Steel H Standard Pile Point.....	507.34	
31 62 16 16-0029 EA 10" Rolled Steel H Standard Pile Point.....	452.73	
31 62 16 16-0030 EA 14" Rolled Steel H Standard Pile Point.....	542.59	
<b>31 62 16 19 Unfilled Tubular Steel Piles (31 62 16)</b>		
<b>31 62 16 19-0001 Unfilled Tubular Driven Steel Piles (31 62 16 19)</b>		
31 62 16 19-0002 VLF 8" Diameter x 29 LB/FT, Unfilled Tubular Driven Steel Pile.....	53.95	
<i>For Piles Driven In Water, Add</i>	23.40	
31 62 16 19-0003 VLF 8" Diameter x 36 LB/FT, Unfilled Tubular Driven Steel Pile.....	62.43	
<i>For Piles Driven In Water, Add</i>	24.25	
31 62 16 19-0004 VLF 8" Diameter x 43 LB/FT, Unfilled Tubular Driven Steel Pile.....	71.60	
<i>For Piles Driven In Water, Add</i>	25.17	
31 62 16 19-0005 VLF 10" Diameter x 34 LB/FT, Unfilled Tubular Driven Steel Pile.....	62.43	
<i>For Piles Driven In Water, Add</i>	24.25	
31 62 16 19-0006 VLF 10" Diameter x 41 LB/FT, Unfilled Tubular Driven Steel Pile.....	70.50	
<i>For Piles Driven In Water, Add</i>	25.06	
31 62 16 19-0007 VLF 10" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile.....	88.31	
<i>For Piles Driven In Water, Add</i>	26.84	



<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Special Foundations and Load-bearing Elements</b>	<b>31 60</b>	
<b>Driven Piles</b>	<b>31 62</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0008 VLF 12" Diameter x 42 LB/FT, Unfilled Tubular Driven Steel Pile.....	73.48	
<i>For Piles Driven In Water, Add</i>	26.30	
31 62 16 19-0009 VLF 12" Diameter x 50 LB/FT, Unfilled Tubular Driven Steel Pile.....	82.91	
<i>For Piles Driven In Water, Add</i>	27.25	
31 62 16 19-0010 VLF 12" Diameter x 54 LB/FT, Unfilled Tubular Driven Steel Pile.....	88.16	
<i>For Piles Driven In Water, Add</i>	27.77	
31 62 16 19-0011 VLF 12" Diameter x 65 LB/FT, Unfilled Tubular Driven Steel Pile.....	102.83	
<i>For Piles Driven In Water, Add</i>	29.24	
31 62 16 19-0012 VLF 14" Diameter x 46 LB/FT, Unfilled Tubular Driven Steel Pile.....	79.45	
<i>For Piles Driven In Water, Add</i>	28.88	
31 62 16 19-0013 VLF 14" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile.....	90.13	
<i>For Piles Driven In Water, Add</i>	29.95	
31 62 16 19-0014 VLF 14" Diameter x 64 LB/FT, Unfilled Tubular Driven Steel Pile.....	100.80	
<i>For Piles Driven In Water, Add</i>	31.01	
31 62 16 19-0015 VLF 14" Diameter x 72 LB/FT, Unfilled Tubular Driven Steel Pile.....	111.48	
<i>For Piles Driven In Water, Add</i>	32.08	
31 62 16 19-0016 VLF 16" Diameter x 52 LB/FT, Unfilled Tubular Driven Steel Pile.....	88.39	
<i>For Piles Driven In Water, Add</i>	32.22	
31 62 16 19-0017 VLF 16" Diameter x 63 LB/FT, Unfilled Tubular Driven Steel Pile.....	100.87	
<i>For Piles Driven In Water, Add</i>	33.47	
31 62 16 19-0018 VLF 16" Diameter x 83 LB/FT, Unfilled Tubular Driven Steel Pile.....	125.21	
<i>For Piles Driven In Water, Add</i>	35.90	
31 62 16 19-0019 VLF 18" Diameter x 59 LB/FT, Unfilled Tubular Driven Steel Pile.....	109.25	
<i>For Piles Driven In Water, Add</i>	36.28	
31 62 16 19-0020 VLF 18" Diameter x 71 LB/FT, Unfilled Tubular Driven Steel Pile.....	125.46	
<i>For Piles Driven In Water, Add</i>	37.90	
31 62 16 19-0021 VLF 18" Diameter x 93 LB/FT, Unfilled Tubular Driven Steel Pile.....	156.27	
<i>For Piles Driven In Water, Add</i>	40.98	
<b>31 62 16 19-0022 Splices And Points For Pipe Piles (31 62 16 19)</b>		
<b>31 62 16 19-0023 Steel Pipe Pile Splices (31 62 16 19-0022)</b>		
31 62 16 19-0024 EA 8" Diameter, Steel Pipe Pile Splice.....	292.41	
31 62 16 19-0025 EA 10" Diameter, Steel Pipe Pile Splice.....	318.14	
31 62 16 19-0026 EA 12" Diameter, Steel Pipe Pile Splice.....	409.95	
31 62 16 19-0027 EA 14" Diameter, Steel Pipe Pile Splice.....	435.33	
31 62 16 19-0028 EA 16" Diameter, Steel Pipe Pile Splice.....	531.61	
31 62 16 19-0029 EA 18" Diameter, Steel Pipe Pile Splice.....	647.22	
<b>31 62 16 19-0030 Steel Pipe Standard Pile Points (31 62 16 19-0022)</b>		
31 62 16 19-0031 EA 8" Diameter, Steel Pipe Standard Pile Point.....	282.64	
31 62 16 19-0032 EA 10" Diameter, Steel Pipe Standard Pile Point.....	303.26	
31 62 16 19-0033 EA 12" Diameter, Steel Pipe Standard Pile Point.....	345.17	
31 62 16 19-0034 EA 14" Diameter, Steel Pipe Standard Pile Point.....	401.85	
31 62 16 19-0035 EA 16" Diameter, Steel Pipe Standard Pile Point.....	453.37	
31 62 16 19-0036 EA 18" Diameter, Steel Pipe Standard Pile Point.....	521.48	
<b>31 62 16 19-0037 Steel Pipe Heavy Duty Pile Points (31 62 16 19-0022)</b>		
31 62 16 19-0038 EA 10" Diameter, Steel Pipe Heavy Duty Pile Point.....	409.25	
31 62 16 19-0039 EA 12" Diameter, Steel Pipe Heavy Duty Pile Point.....	435.01	
31 62 16 19-0040 EA 14" Diameter, Steel Pipe Heavy Duty Pile Point.....	490.40	
31 62 16 19-0041 EA 16" Diameter, Steel Pipe Heavy Duty Pile Point.....	593.46	
31 62 16 19-0042 EA 18" Diameter, Steel Pipe Heavy Duty Pile Point.....	678.66	
<b>31 62 19 Timber Piles (31 62)</b>		
<b>31 62 19 00-0001 Friction Or End Bearing, Driven Treated Wood Piles (31 62 19)</b>		
Note: 12 LB Penta-treated/CF.		
31 62 19 00-0002 LF Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile.....	33.83	
<i>For Piles Driven In Water, Add</i>	15.88	
<i>For Untreated Pile, Deduct</i>	-7.38	
<i>For Each Pile Tip Point, Add</i>	12.50	
<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
<i>For Each Splice For Pile &gt;50', Add</i>	139.40	
31 62 19 00-0003 LF >30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile.....	35.78	
<i>For Piles Driven In Water, Add</i>	17.64	
<i>For Untreated Pile, Deduct</i>	-7.46	
<i>For Each Pile Tip Point, Add</i>	12.50	
<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
<i>For Each Splice For Pile &gt;50', Add</i>	139.40	
31 62 19 00-0004 LF 39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile.....	37.76	
<i>For Piles Driven In Water, Add</i>	18.79	
<i>For Untreated Pile, Deduct</i>	-7.80	
<i>For Each Pile Tip Point, Add</i>	12.50	
<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
<i>For Each Splice For Pile &gt;50', Add</i>	139.40	

**31 Earthwork****31 60 Special Foundations and Load-bearing Elements****31 62 Driven Piles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 19 00-0005 LF >49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile .....	40.78	
For Piles Driven In Water, Add	20.96	
For Untreated Pile, Deduct	-8.15	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0006 LF >59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile .....	50.31	
For Piles Driven In Water, Add	23.79	
For Untreated Pile, Deduct	-10.90	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0007 LF >69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile .....	62.70	
For Piles Driven In Water, Add	28.78	
For Untreated Pile, Deduct	-13.95	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	

**31 62 23 Composite Piles (31 62)****31 62 23 13 Concrete-Filled Steel Piles (31 62 23)****31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles (31 62 23 13)**

Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.

31 62 23 13-0002 VLF 8" Diameter x 29 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	57.52	
For 5,000 PSI Concrete Grout Fill, Add	6.05	
For Piles Driven In Water, Add	25.33	
31 62 23 13-0003 VLF 8" Diameter x 36 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	66.01	
For 5,000 PSI Concrete Grout Fill, Add	6.90	
For Piles Driven In Water, Add	26.18	
31 62 23 13-0004 VLF 8" Diameter x 43 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	75.17	
For 5,000 PSI Concrete Grout Fill, Add	7.81	
For Piles Driven In Water, Add	27.09	
31 62 23 13-0005 VLF 10" Diameter x 34 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	67.57	
For 5,000 PSI Concrete Grout Fill, Add	8.38	
For Piles Driven In Water, Add	26.76	
31 62 23 13-0006 VLF 10" Diameter x 41 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	75.63	
For 5,000 PSI Concrete Grout Fill, Add	9.19	
For Piles Driven In Water, Add	27.57	
31 62 23 13-0007 VLF 10" Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	93.45	
For 5,000 PSI Concrete Grout Fill, Add	10.97	
For Piles Driven In Water, Add	29.35	
31 62 23 13-0008 VLF 12" Diameter x 42 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	80.68	
For 5,000 PSI Concrete Grout Fill, Add	11.21	
For Piles Driven In Water, Add	29.76	
31 62 23 13-0009 VLF 12" Diameter x 50 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	90.12	
For 5,000 PSI Concrete Grout Fill, Add	12.15	
For Piles Driven In Water, Add	30.70	
31 62 23 13-0010 VLF 12" Diameter x 54 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	95.36	
For 5,000 PSI Concrete Grout Fill, Add	12.68	
For Piles Driven In Water, Add	31.23	
31 62 23 13-0011 VLF 12" Diameter x 65 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	110.04	
For 5,000 PSI Concrete Grout Fill, Add	14.14	
For Piles Driven In Water, Add	32.69	
31 62 23 13-0012 VLF 14" Diameter x 46 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	89.32	
For 5,000 PSI Concrete Grout Fill, Add	13.66	
For Piles Driven In Water, Add	34.29	
31 62 23 13-0013 VLF 14" Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	100.00	
For 5,000 PSI Concrete Grout Fill, Add	14.72	
For Piles Driven In Water, Add	35.35	
31 62 23 13-0014 VLF 14" Diameter x 64 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	110.68	
For 5,000 PSI Concrete Grout Fill, Add	15.79	
For Piles Driven In Water, Add	36.42	
31 62 23 13-0015 VLF 14" Diameter x 72 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	121.35	
For 5,000 PSI Concrete Grout Fill, Add	16.86	
For Piles Driven In Water, Add	37.49	
31 62 23 13-0016 VLF 16" Diameter x 52 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	98.83	
For 5,000 PSI Concrete Grout Fill, Add	16.75	
For Piles Driven In Water, Add	36.76	
31 62 23 13-0017 VLF 16" Diameter x 63 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	111.32	
For 5,000 PSI Concrete Grout Fill, Add	18.00	
For Piles Driven In Water, Add	38.01	
31 62 23 13-0018 VLF 16" Diameter x 83 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	135.66	
For 5,000 PSI Concrete Grout Fill, Add	20.43	
For Piles Driven In Water, Add	40.44	
31 62 23 13-0019 VLF 18" Diameter x 59 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	121.73	
For 5,000 PSI Concrete Grout Fill, Add	21.44	
For Piles Driven In Water, Add	41.22	
31 62 23 13-0020 VLF 18" Diameter x 71 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	137.94	
For 5,000 PSI Concrete Grout Fill, Add	23.06	
For Piles Driven In Water, Add	42.84	
31 62 23 13-0021 VLF 18" Diameter x 93 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	168.75	
For 5,000 PSI Concrete Grout Fill, Add	26.14	
For Piles Driven In Water, Add	45.92	



<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Special Foundations and Load-bearing Elements</b>	<b>31 60</b>	
<b>Driven Piles</b>	<b>31 62</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>31 62 23 13-0022</b> <b>7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles</b> <small>(31 62 23 13)</small>		
<i>Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.</i>		
31 62 23 13-0023    VLF 12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	75.11	
For Piles Driven In Water, Add	22.52	
31 62 23 13-0024    VLF 14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	91.24	
For Piles Driven In Water, Add	25.20	
31 62 23 13-0025    VLF 16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	103.32	
For Piles Driven In Water, Add	27.64	
31 62 23 13-0026    VLF 18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	112.40	
For Piles Driven In Water, Add	30.00	
<b>31 62 23 13-0027</b> <b>Tapered Friction Concrete-Filled Driven Steel Piles</b> <small>(31 62 23 13)</small>		
<i>Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.</i>		
31 62 23 13-0028    VLF 12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....	73.67	
For Piles Driven In Water, Add	22.38	
31 62 23 13-0029    VLF 14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....	75.57	
For Piles Driven In Water, Add	23.63	
31 62 23 13-0030    VLF 16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....	92.34	
For Piles Driven In Water, Add	26.54	
31 62 23 13-0031    VLF 18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....	106.60	
For Piles Driven In Water, Add	29.42	
<b>31 62 23 13-0032</b> <b>Thin Wall Shell Straight Sided Driven Steel Piles</b> <small>(31 62 23 13)</small>		
31 62 23 13-0033    VLF 8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	44.09	
For Piles Driven In Water, Add	17.06	
For Thick Wall Shell, Add	0.08	
31 62 23 13-0034    VLF 10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	48.66	
For Piles Driven In Water, Add	18.92	
For Thick Wall Shell, Add	0.08	
31 62 23 13-0035    VLF 12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	53.21	
For Piles Driven In Water, Add	20.80	
For Thick Wall Shell, Add	0.09	
31 62 23 13-0036    VLF 14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	57.79	
For Piles Driven In Water, Add	22.66	
For Thick Wall Shell, Add	0.10	
31 62 23 13-0037    VLF 16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	62.37	
For Piles Driven In Water, Add	24.53	
For Thick Wall Shell, Add	0.11	
<b>31 63</b> <b>Bored Piles</b> <small>(31 60)</small>		
<b>31 63 36</b> <b>Drilled Steel Piles</b> <small>(31 63)</small>		
31 63 36 00-0001 <b>Drill Hole</b> <small>(31 63 36)</small>		
<i>Note: Excludes removal of excess material.</i>		
31 63 36 00-0002 <b>Drilling Mobilization</b> <small>(31 63 36 00-0001)</small>		
31 63 36 00-0003    EA >12" To 24" Diameter Hole, Drilling Mobilization .....	950.96	
31 63 36 00-0004    EA >24" Diameter Hole, Drilling Mobilization.....	1,267.94	
31 63 36 00-0005 <b>Drill Hole In Soil</b> <small>(31 63 36 00-0001)</small>		
31 63 36 00-0006    LF 18" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	52.00	
31 63 36 00-0007    LF 20" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	60.46	
31 63 36 00-0008    LF 22" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	71.04	
31 63 36 00-0009    LF 24" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	83.73	
31 63 36 00-0010    LF 26" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	90.50	
31 63 36 00-0011    LF 28" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	99.57	
31 63 36 00-0012    LF 30" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	109.06	
31 63 36 00-0013 <b>Steel H Piles</b> <small>(31 63 36)</small>		
31 63 36 00-0014 <b>Placed In Drilled Hole, Rolled Steel H-Section Piles</b> <small>(31 63 36 00-0013)</small>		
<i>Note: Includes guides, bracing and alignment.</i>		
31 63 36 00-0015    VLF 8" x 8" x 36 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	30.76	
For >2,400 To 3,600, Deduct	-1.08	
For >3,600 To 4,800, Deduct	-2.15	
For >4,800 To 6,000, Deduct	-3.69	
For >6,000, Deduct	-5.23	
31 63 36 00-0016    VLF 10" x 10" x 42 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	34.45	
For >2,400 To 3,600, Deduct	-1.18	
For >3,600 To 4,800, Deduct	-2.37	
For >4,800 To 6,000, Deduct	-4.09	
For >6,000, Deduct	-5.81	

**31 Earthwork****31 60 Special Foundations and Load-bearing Elements****31 63 Bored Piles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0017 VLF 10" x 10" x 57 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	42.13	
For >2,400 To 3,600, Deduct	-1.38	
For >3,600 To 4,800, Deduct	-2.75	
For >4,800 To 6,000, Deduct	-4.86	
For >6,000, Deduct	-6.97	
31 63 36 00-0018 VLF 12" x 12" x 53 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	40.46	
For >2,400 To 3,600, Deduct	-1.34	
For >3,600 To 4,800, Deduct	-2.69	
For >4,800 To 6,000, Deduct	-4.71	
For >6,000, Deduct	-6.73	
31 63 36 00-0019 VLF 12" x 12" x 63 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	45.59	
For >2,400 To 3,600, Deduct	-1.47	
For >3,600 To 4,800, Deduct	-2.94	
For >4,800 To 6,000, Deduct	-5.22	
For >6,000, Deduct	-7.50	
31 63 36 00-0020 VLF 12" x 12" x 74 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	52.34	
For >2,400 To 3,600, Deduct	-1.67	
For >3,600 To 4,800, Deduct	-3.34	
For >4,800 To 6,000, Deduct	-5.95	
For >6,000, Deduct	-8.57	
31 63 36 00-0021 VLF 12" x 12" x 84 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	57.46	
For >2,400 To 3,600, Deduct	-1.80	
For >3,600 To 4,800, Deduct	-3.59	
For >4,800 To 6,000, Deduct	-6.47	
For >6,000, Deduct	-9.34	
31 63 36 00-0022 VLF 14" x 14" x 73 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	52.18	
For >2,400 To 3,600, Deduct	-1.67	
For >3,600 To 4,800, Deduct	-3.35	
For >4,800 To 6,000, Deduct	-5.96	
For >6,000, Deduct	-8.57	
31 63 36 00-0023 VLF 14" x 14" x 89 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	60.90	
For >2,400 To 3,600, Deduct	-1.89	
For >3,600 To 4,800, Deduct	-3.78	
For >4,800 To 6,000, Deduct	-6.83	
For >6,000, Deduct	-9.87	
31 63 36 00-0024 VLF 14" x 14" x 102 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	68.27	
For >2,400 To 3,600, Deduct	-2.11	
For >3,600 To 4,800, Deduct	-4.21	
For >4,800 To 6,000, Deduct	-7.63	
For >6,000, Deduct	-11.04	
31 63 36 00-0025 VLF 14" x 14" x 117 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	76.47	
For >2,400 To 3,600, Deduct	-2.31	
For >3,600 To 4,800, Deduct	-4.62	
For >4,800 To 6,000, Deduct	-8.45	
For >6,000, Deduct	-12.27	
<b>31 63 36 00-0026 Welded Steel Stud Pins</b> <small>(31 63 36 00-0013)</small>		
Note: Includes welding to steel piles.		
31 63 36 00-0027 EA 5/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins.....	12.57	
For >50 To 150, Deduct	-0.57	
For >150 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.37	
31 63 36 00-0028 EA 5/8" Diameter x 5" Long, Welded Steel Stud Pins.....	13.80	
For >50 To 150, Deduct	-0.57	
For >150 To 250, Deduct	-1.20	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.46	
31 63 36 00-0029 EA 5/8" Diameter x 7" Long, Welded Steel Stud Pins.....	14.98	
For >50 To 150, Deduct	-0.57	
For >150 To 250, Deduct	-1.23	
For >250 To 500, Deduct	-1.89	
For >500, Deduct	-2.55	
31 63 36 00-0030 EA 3/4" Diameter x 2-1/2" Long, Welded Steel Stud Pins.....	13.87	
For >50 To 150, Deduct	-0.60	
For >150 To 250, Deduct	-1.24	
For >250 To 500, Deduct	-1.89	
For >500, Deduct	-2.53	
31 63 36 00-0031 EA 3/4" Diameter x 5" Long, Welded Steel Stud Pins.....	15.72	
For >50 To 150, Deduct	-0.60	
For >150 To 250, Deduct	-1.29	
For >250 To 500, Deduct	-1.98	
For >500, Deduct	-2.67	
31 63 36 00-0032 EA 3/4" Diameter x 7" Long, Welded Steel Stud Pins.....	17.01	
For >50 To 150, Deduct	-0.60	
For >150 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-2.04	
For >500, Deduct	-2.77	
31 63 36 00-0033 EA 7/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins.....	15.45	
For >50 To 150, Deduct	-0.62	
For >150 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-2.02	
For >500, Deduct	-2.71	



<b>Earthwork</b>	<b>31</b>	
<b>Special Foundations and Load-bearing Elements</b>	<b>31 60</b>	<b>15</b>
<b>Bored Piles</b>	<b>31 63</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0034 EA 7/8" Diameter x 5" Long, Welded Steel Stud Pins .....	18.47	
For >50 To 150, Deduct	-0.62	
For >150 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.94	
31 63 36 00-0035 EA 7/8" Diameter x 7" Long, Welded Steel Stud Pins .....	19.95	
For >50 To 150, Deduct	-0.62	
For >150 To 250, Deduct	-1.43	
For >250 To 500, Deduct	-2.24	
For >500, Deduct	-3.05	
<b>31 63 36 00-0036 Concrete Fill</b> <small>(31 63 36)</small>		
See CSI section 03 37 16 00-0001 for pumping equipment.		
31 63 36 00-0037 VLF 18" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	38.10	
31 63 36 00-0038 VLF 20" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	42.32	
31 63 36 00-0039 VLF 22" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	46.55	
31 63 36 00-0040 VLF 24" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	50.78	
31 63 36 00-0041 VLF 26" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	55.01	
31 63 36 00-0042 VLF 28" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	59.25	
31 63 36 00-0043 VLF 30" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	69.82	
<b>31 64 Caissons</b> <small>(31 64)</small>		
<b>31 64 13 Box Caissons</b> <small>(31 64)</small>		
31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water <small>(31 64 13)</small>		
Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0002 Caisson In Stable Ground <small>(31 64 13 00-0001)</small>		
Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0003 VLF 18" Diameter Caisson, No Casing Stable Ground, No Ground Water .....	54.94	
Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
For >50' To 100' Deep, Add	5.29	
For >100' To 150' Deep, Add	13.74	
For >150' To 200' Deep, Add	18.29	
For Right Angle Drilling, Add	14.72	
31 64 13 00-0004 VLF 24" Diameter Caisson, No Casing Stable Ground, No Ground Water .....	68.41	
Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
For >50' To 100' Deep, Add	7.19	
For >100' To 150' Deep, Add	17.10	
For >150' To 200' Deep, Add	23.53	
For Right Angle Drilling, Add	16.43	
31 64 13 00-0005 VLF 30" Diameter Caisson, No Casing Stable Ground, No Ground Water .....	96.50	
Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
For >50' To 100' Deep, Add	10.60	
For >100' To 150' Deep, Add	24.13	
For >150' To 200' Deep, Add	33.75	
For Right Angle Drilling, Add	21.78	
31 64 13 00-0006 VLF 36" Diameter Caisson, No Casing Stable Ground, No Ground Water .....	127.27	
Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
For >50' To 100' Deep, Add	14.43	
For >100' To 150' Deep, Add	31.82	
For >150' To 200' Deep, Add	45.08	
For Right Angle Drilling, Add	27.29	
31 64 13 00-0007 VLF 42" Diameter Caisson, No Casing Stable Ground, No Ground Water .....	162.71	
Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
For >50' To 100' Deep, Add	19.13	
For >100' To 150' Deep, Add	40.68	
For >150' To 200' Deep, Add	58.49	
For Right Angle Drilling, Add	32.75	
31 64 13 00-0008 VLF 48" Diameter Caisson No Casing Stable Ground, No Ground Water .....	194.92	
Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
For >50' To 100' Deep, Add	23.33	
For >100' To 150' Deep, Add	48.73	
For >150' To 200' Deep, Add	70.59	
For Right Angle Drilling, Add	37.94	
31 64 13 00-0009 VLF 54" Diameter Caisson No Casing Stable Ground, No Ground Water .....	234.79	
Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
For >50' To 100' Deep, Add	28.99	
For >100' To 150' Deep, Add	58.70	
For >150' To 200' Deep, Add	86.13	
For Right Angle Drilling, Add	42.95	
31 64 13 00-0010 VLF 60" Diameter Caisson No Casing Stable Ground, No Ground Water .....	275.08	
Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
For >50' To 100' Deep, Add	34.70	
For >100' To 150' Deep, Add	68.77	
For >150' To 200' Deep, Add	101.83	
For Right Angle Drilling, Add	48.01	
31 64 13 00-0011 VLF 66" Diameter Caisson No Casing Stable Ground, No Ground Water .....	320.73	
Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.		
For >50' To 100' Deep, Add	41.14	
For >100' To 150' Deep, Add	80.18	
For >150' To 200' Deep, Add	119.58	
For Right Angle Drilling, Add	53.85	

**31 Earthwork****31 60 Special Foundations and Load-bearing Elements****31 64 Caissons**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0012	VLF		72" Diameter Caisson No Casing Stable Ground, No Ground Water .....373.37 Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
			<i>For &gt;50' To 100' Deep, Add</i>	48.62	
			<i>For &gt;100' To 150' Deep, Add</i>	93.34	
			<i>For &gt;150' To 200' Deep, Add</i>	140.12	
			<i>For Right Angle Drilling, Add</i>	60.40	
31 64 13 00-0013	VLF		78" Diameter Caisson No Casing Stable Ground, No Ground Water .....425.48 Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
			<i>For &gt;50' To 100' Deep, Add</i>	56.18	
			<i>For &gt;100' To 150' Deep, Add</i>	106.37	
			<i>For &gt;150' To 200' Deep, Add</i>	160.64	
			<i>For Right Angle Drilling, Add</i>	66.44	
31 64 13 00-0014	VLF		84" Diameter Caisson No Casing Stable Ground, No Ground Water .....481.05 Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
			<i>For &gt;50' To 100' Deep, Add</i>	64.28	
			<i>For &gt;100' To 150' Deep, Add</i>	120.26	
			<i>For &gt;150' To 200' Deep, Add</i>	182.58	
			<i>For Right Angle Drilling, Add</i>	72.71	
<b>31 64 13 00-0015</b>			<b>For Bell Excavation And Concrete, Add</b> <small>(31 64 13 00-0001)</small>		
31 64 13 00-0016	EA		Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY .....422.34 <i>For &gt;50' To 100' Deep, Add</i>	33.83	
			<i>For &gt;100' To 150' Deep, Add</i>	105.59	
			<i>For &gt;150' To 200' Deep, Add</i>	132.03	
31 64 13 00-0017	EA		Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY .....1,484.38 <i>For &gt;50' To 100' Deep, Add</i>	119.06	
			<i>For &gt;100' To 150' Deep, Add</i>	371.10	
			<i>For &gt;150' To 200' Deep, Add</i>	464.26	
31 64 13 00-0018	EA		Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY .....2,240.44 <i>For &gt;50' To 100' Deep, Add</i>	182.33	
			<i>For &gt;100' To 150' Deep, Add</i>	560.11	
			<i>For &gt;150' To 200' Deep, Add</i>	704.01	
31 64 13 00-0019	EA		Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY .....3,109.13 <i>For &gt;50' To 100' Deep, Add</i>	253.48	
			<i>For &gt;100' To 150' Deep, Add</i>	777.28	
			<i>For &gt;150' To 200' Deep, Add</i>	977.54	
31 64 13 00-0020	EA		Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY .....4,229.31 <i>For &gt;50' To 100' Deep, Add</i>	339.16	
			<i>For &gt;100' To 150' Deep, Add</i>	1,057.33	
			<i>For &gt;150' To 200' Deep, Add</i>	1,322.67	
31 64 13 00-0021	EA		Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY .....4,973.33 <i>For &gt;50' To 100' Deep, Add</i>	398.66	
			<i>For &gt;100' To 150' Deep, Add</i>	1,243.33	
			<i>For &gt;150' To 200' Deep, Add</i>	1,555.16	
31 64 13 00-0022	EA		Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY .....8,436.91 <i>For &gt;50' To 100' Deep, Add</i>	675.06	
			<i>For &gt;100' To 150' Deep, Add</i>	2,109.23	
			<i>For &gt;150' To 200' Deep, Add</i>	2,636.66	
31 64 13 00-0023	EA		Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY .....12,182.44 <i>For &gt;50' To 100' Deep, Add</i>	983.82	
			<i>For &gt;100' To 150' Deep, Add</i>	3,045.61	
			<i>For &gt;150' To 200' Deep, Add</i>	3,818.55	
<b>31 64 13 00-0024</b>			<b>Caisson In Wet Ground, Casing Pulled</b> <small>(31 64 13)</small>		
			Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
<b>31 64 13 00-0025</b>			<b>Caisson In Wet Ground</b> <small>(31 64 13 00-0024)</small>		
			Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0026	VLF		18" Diameter Caisson Wet Ground, Casing Pulled .....61.08 Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
			<i>For &gt;50' To 100' Deep, Add</i>	5.71	
			<i>For &gt;100' To 150' Deep, Add</i>	15.27	
			<i>For &gt;150' To 200' Deep, Add</i>	20.12	
			<i>For Right Angle Drilling, Add</i>	16.89	
31 64 13 00-0027	VLF		24" Diameter Caisson Wet Ground, Casing Pulled .....101.94 Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
			<i>For &gt;50' To 100' Deep, Add</i>	9.54	
			<i>For &gt;100' To 150' Deep, Add</i>	25.49	
			<i>For &gt;150' To 200' Deep, Add</i>	33.59	
			<i>For Right Angle Drilling, Add</i>	28.17	
31 64 13 00-0028	VLF		30" Diameter Caisson Wet Ground, Casing Pulled .....134.26 Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
			<i>For &gt;50' To 100' Deep, Add</i>	13.24	
			<i>For &gt;100' To 150' Deep, Add</i>	33.57	
			<i>For &gt;150' To 200' Deep, Add</i>	45.08	
			<i>For Right Angle Drilling, Add</i>	34.99	
31 64 13 00-0029	VLF		36" Diameter Caisson Wet Ground, Casing Pulled .....184.02 Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
			<i>For &gt;50' To 100' Deep, Add</i>	18.40	
			<i>For &gt;100' To 150' Deep, Add</i>	46.01	
			<i>For &gt;150' To 200' Deep, Add</i>	62.11	
			<i>For Right Angle Drilling, Add</i>	47.15	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0030 VLF 42" Diameter Caisson Wet Ground, Casing Pulled.....	232.74	
Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
For >50' To 100' Deep, Add	24.04	
For >100' To 150' Deep, Add	58.19	
For >150' To 200' Deep, Add	79.50	
For Right Angle Drilling, Add	57.26	
31 64 13 00-0031 VLF 48" Diameter Caisson Wet Ground, Casing Pulled.....	277.94	
Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
For >50' To 100' Deep, Add	29.14	
For >100' To 150' Deep, Add	69.49	
For >150' To 200' Deep, Add	95.49	
For Right Angle Drilling, Add	67.00	
31 64 13 00-0032 VLF 54" Diameter Caisson Wet Ground, Casing Pulled.....	359.07	
Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
For >50' To 100' Deep, Add	37.69	
For >100' To 150' Deep, Add	89.77	
For >150' To 200' Deep, Add	123.41	
For Right Angle Drilling, Add	86.45	
31 64 13 00-0033 VLF 60" Diameter Caisson Wet Ground, Casing Pulled.....	439.52	
Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
For >50' To 100' Deep, Add	46.21	
For >100' To 150' Deep, Add	109.88	
For >150' To 200' Deep, Add	151.16	
For Right Angle Drilling, Add	105.56	
31 64 13 00-0034 VLF 66" Diameter Caisson Wet Ground, Casing Pulled.....	500.60	
Note: 0.87 CY Concrete per VLF, 113 lbs rebar per VLF.		
For >50' To 100' Deep, Add	53.73	
For >100' To 150' Deep, Add	125.15	
For >150' To 200' Deep, Add	173.54	
For Right Angle Drilling, Add	116.81	
31 64 13 00-0035 VLF 72" Diameter Caisson Wet Ground, Casing Pulled.....	568.63	
Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
For >50' To 100' Deep, Add	62.29	
For >100' To 150' Deep, Add	142.16	
For >150' To 200' Deep, Add	198.70	
For Right Angle Drilling, Add	128.74	
31 64 13 00-0036 VLF 78" Diameter Caisson Wet Ground, Casing Pulled.....	646.22	
Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
For >50' To 100' Deep, Add	71.63	
For >100' To 150' Deep, Add	161.56	
For >150' To 200' Deep, Add	226.86	
For Right Angle Drilling, Add	143.69	
31 64 13 00-0037 VLF 84" Diameter Caisson Wet Ground, Casing Pulled.....	727.67	
Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
For >50' To 100' Deep, Add	81.55	
For >100' To 150' Deep, Add	181.92	
For >150' To 200' Deep, Add	256.57	
For Right Angle Drilling, Add	159.02	
<b>31 64 13 00-0038 For Bell Excavation And Concrete, Add</b> <small>(31 64 13 00-0024)</small>		
31 64 13 00-0039 EA Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY.....	488.93	
For >50' To 100' Deep, Add	38.49	
For >100' To 150' Deep, Add	122.23	
For >150' To 200' Deep, Add	152.01	
31 64 13 00-0040 EA Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY.....	1,702.76	
For >50' To 100' Deep, Add	134.35	
For >100' To 150' Deep, Add	425.69	
For >150' To 200' Deep, Add	529.78	
31 64 13 00-0041 EA Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY.....	2,361.62	
For >50' To 100' Deep, Add	175.02	
For >100' To 150' Deep, Add	590.41	
For >150' To 200' Deep, Add	720.62	
31 64 13 00-0042 EA Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY.....	3,735.99	
For >50' To 100' Deep, Add	297.36	
For >100' To 150' Deep, Add	934.00	
For >150' To 200' Deep, Add	1,165.60	
31 64 13 00-0043 EA Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY.....	4,851.69	
For >50' To 100' Deep, Add	382.72	
For >100' To 150' Deep, Add	1,212.92	
For >150' To 200' Deep, Add	1,509.39	
31 64 13 00-0044 EA Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY.....	5,705.55	
For >50' To 100' Deep, Add	449.91	
For >100' To 150' Deep, Add	1,426.39	
For >150' To 200' Deep, Add	1,774.82	
31 64 13 00-0045 EA Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY.....	9,681.68	
For >50' To 100' Deep, Add	762.19	
For >100' To 150' Deep, Add	2,420.42	
For >150' To 200' Deep, Add	3,010.10	
31 64 13 00-0046 EA Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY.....	13,960.67	
For >50' To 100' Deep, Add	1,108.30	
For >100' To 150' Deep, Add	3,490.17	
For >150' To 200' Deep, Add	4,352.02	

**31 Earthwork****31 60 Special Foundations and Load-bearing Elements****31 64 Caissons**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>31 64 13 00-0047 Caisson In Soft Rock And Medium Hard Shale</b> <sup>(31 64 13)</sup> Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
<b>31 64 13 00-0048 Caisson In Soft Rock</b> <sup>(31 64 13 00-0047)</sup> Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0049 VLF 18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	238.32	
Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
For >50' To 100' Deep, Add	18.12	
For >100' To 150' Deep, Add	59.58	
For >150' To 200' Deep, Add	73.29	
For Right Angle Drilling, Add	78.92	
31 64 13 00-0050 VLF 24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	397.38	
Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
For >50' To 100' Deep, Add	30.22	
For >100' To 150' Deep, Add	99.35	
For >150' To 200' Deep, Add	122.22	
For Right Angle Drilling, Add	131.57	
31 64 13 00-0051 VLF 30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	598.94	
Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
For >50' To 100' Deep, Add	45.77	
For >100' To 150' Deep, Add	149.74	
For >150' To 200' Deep, Add	184.48	
For Right Angle Drilling, Add	197.63	
31 64 13 00-0052 VLF 36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	764.93	
Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
For >50' To 100' Deep, Add	59.07	
For >100' To 150' Deep, Add	191.23	
For >150' To 200' Deep, Add	236.38	
For Right Angle Drilling, Add	250.47	
31 64 13 00-0053 VLF 42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	986.34	
Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
For >50' To 100' Deep, Add	76.79	
For >100' To 150' Deep, Add	246.59	
For >150' To 200' Deep, Add	305.58	
For Right Angle Drilling, Add	321.02	
31 64 13 00-0054 VLF 48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,188.55	
Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
For >50' To 100' Deep, Add	92.89	
For >100' To 150' Deep, Add	297.14	
For >150' To 200' Deep, Add	368.68	
For Right Angle Drilling, Add	385.72	
31 64 13 00-0055 VLF 54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,453.46	
Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
For >50' To 100' Deep, Add	114.29	
For >100' To 150' Deep, Add	363.37	
For >150' To 200' Deep, Add	451.73	
For Right Angle Drilling, Add	469.49	
31 64 13 00-0056 VLF 60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,717.94	
Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
For >50' To 100' Deep, Add	135.70	
For >100' To 150' Deep, Add	429.49	
For >150' To 200' Deep, Add	534.69	
For Right Angle Drilling, Add	553.01	
31 64 13 00-0057 VLF 66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,885.99	
Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.		
For >50' To 100' Deep, Add	150.71	
For >100' To 150' Deep, Add	471.50	
For >150' To 200' Deep, Add	589.16	
For Right Angle Drilling, Add	601.69	
31 64 13 00-0058 VLF 72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,060.17	
Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
For >50' To 100' Deep, Add	166.70	
For >100' To 150' Deep, Add	515.04	
For >150' To 200' Deep, Add	646.16	
For Right Angle Drilling, Add	650.78	
31 64 13 00-0059 VLF 78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,108.99	
Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
For >50' To 100' Deep, Add	174.02	
For >100' To 150' Deep, Add	527.25	
For >150' To 200' Deep, Add	665.69	
For Right Angle Drilling, Add	655.66	
31 64 13 00-0060 VLF 84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,518.87	
Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
For >50' To 100' Deep, Add	206.93	
For >100' To 150' Deep, Add	629.72	
For >150' To 200' Deep, Add	793.93	
For Right Angle Drilling, Add	785.94	
<b>31 64 13 00-0061 For Bell Excavation And Concrete, Add</b> <sup>(31 64 13 00-0047)</sup>		
31 64 13 00-0062 EA Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY .....	844.65	
For >50' To 100' Deep, Add	63.39	
For >100' To 150' Deep, Add	211.16	
For >150' To 200' Deep, Add	258.72	



<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Special Foundations and Load-bearing Elements</b>	<b>31 60</b>	
<b>Caissons</b>	<b>31 64</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0063 EA Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY .....	2,971.98	
For >50' To 100' Deep, Add	223.20	
For >100' To 150' Deep, Add	743.00	
For >150' To 200' Deep, Add	910.54	
31 64 13 00-0064 EA Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY .....	4,448.20	
For >50' To 100' Deep, Add	336.87	
For >100' To 150' Deep, Add	1,112.05	
For >150' To 200' Deep, Add	1,366.34	
31 64 13 00-0065 EA Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY .....	6,334.09	
For >50' To 100' Deep, Add	479.23	
For >100' To 150' Deep, Add	1,583.52	
For >150' To 200' Deep, Add	1,945.03	
31 64 13 00-0066 EA Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY .....	8,380.42	
For >50' To 100' Deep, Add	629.73	
For >100' To 150' Deep, Add	2,095.11	
For >150' To 200' Deep, Add	2,568.01	
31 64 13 00-0067 EA Bell Excavation And Concrete, 10' Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY .....	10,215.75	
For >50' To 100' Deep, Add	765.63	
For >100' To 150' Deep, Add	2,553.94	
For >150' To 200' Deep, Add	3,127.88	
31 64 13 00-0068 EA Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY .....	15,432.19	
For >50' To 100' Deep, Add	1,164.73	
For >100' To 150' Deep, Add	3,858.05	
For >150' To 200' Deep, Add	4,735.25	
31 64 13 00-0069 EA Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY .....	23,202.56	
For >50' To 100' Deep, Add	1,755.23	
For >100' To 150' Deep, Add	5,800.64	
For >150' To 200' Deep, Add	7,124.58	
<b>31 64 13 00-0070 Caisson Setup And Removal</b> <small>(31 64 13)</small>		
Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.		
31 64 13 00-0071 EA Erect, Set Up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete .....	3,931.69	
31 64 13 00-0072 EA Erect, Set Up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete .....	5,483.29	
31 64 13 00-0073 EA Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter.....	1,875.45	
31 64 13 00-0074 EA Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter.....	2,500.61	
31 64 13 00-0075 EA Relocate Caisson Equipment To Different Hole On-Site Without Dismantling.....	156.29	

**END OF SECTION 31**

31	<b>31</b>	<b>Earthwork</b>
	31 60	Special Foundations and Load-bearing Elements
	31 64	Caissons



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 32 Exterior Improvements

### 32 01 Operation and Maintenance of Exterior Improvements <sup>(32)</sup>

#### 32 01 11 Paving Cleaning <sup>(32 01)</sup>

#### **32 01 11 53 Paint Removal from Paving** <sup>(32 01 11)</sup>

#### **32 01 11 53-0001 Remove Pavement Markings** <sup>(32 01 11 53)</sup>

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF Removal Of 4" Wide Painted Or Epoxy Pavement Striping .....		1.97
	For Up To 250, Add		0.99
	For >250 To 1,000, Add		0.49
	For >5,000 To 10,000, Deduct		-0.30
	For >10,000 To 25,000, Deduct		-0.49
	For >25,000 To 50,000, Deduct		-0.69
	For >50,000, Deduct		-0.79
32 01 11 53-0003	LF Removal Of 6" Wide Painted Or Epoxy Pavement Striping .....		2.38
	For Up To 250, Add		1.19
	For >250 To 1,000, Add		0.60
	For >5,000 To 10,000, Deduct		-0.36
	For >10,000 To 25,000, Deduct		-0.60
	For >25,000 To 50,000, Deduct		-0.83
	For >50,000, Deduct		-0.95
32 01 11 53-0004	LF Removal Of 8" Wide Painted Or Epoxy Pavement Striping .....		2.85
	For Up To 250, Add		1.43
	For >250 To 1,000, Add		0.71
	For >5,000 To 10,000, Deduct		-0.43
	For >10,000 To 25,000, Deduct		-0.71
	For >25,000 To 50,000, Deduct		-1.00
	For >50,000, Deduct		-1.14
32 01 11 53-0005	LF Removal Of 12" Wide Painted Or Epoxy Pavement Striping .....		3.40
	For Up To 250, Add		1.70
	For >250 To 1,000, Add		0.85
	For >5,000 To 10,000, Deduct		-0.51
	For >10,000 To 25,000, Deduct		-0.85
	For >25,000 To 50,000, Deduct		-1.19
	For >50,000, Deduct		-1.36
32 01 11 53-0006	SF Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols .....		3.40
	For Up To 250, Add		1.70
	For >250 To 1,000, Add		0.85
	For >5,000 To 10,000, Deduct		-0.51
	For >10,000 To 25,000, Deduct		-0.85
	For >25,000 To 50,000, Deduct		-1.19
	For >50,000, Deduct		-1.36
32 01 11 53-0007	LF Removal Of 4" Wide Thermoplastic Pavement Striping .....		2.54
	For Up To 250, Add		1.27
	For >250 To 1,000, Add		0.64
	For >5,000 To 10,000, Deduct		-0.38
	For >10,000 To 25,000, Deduct		-0.64
	For >25,000 To 50,000, Deduct		-0.89
	For >50,000, Deduct		-1.02
32 01 11 53-0008	LF Removal Of 6" Wide Thermoplastic Pavement Striping .....		3.00
	For Up To 250, Add		1.50
	For >250 To 1,000, Add		0.75
	For >5,000 To 10,000, Deduct		-0.45
	For >10,000 To 25,000, Deduct		-0.75
	For >25,000 To 50,000, Deduct		-1.05
	For >50,000, Deduct		-1.20
32 01 11 53-0009	LF Removal Of 8" Wide Thermoplastic Pavement Striping .....		3.62
	For Up To 250, Add		1.81
	For >250 To 1,000, Add		0.91
	For >5,000 To 10,000, Deduct		-0.54
	For >10,000 To 25,000, Deduct		-0.91
	For >25,000 To 50,000, Deduct		-1.27
	For >50,000, Deduct		-1.45
32 01 11 53-0010	LF Removal Of 12" Wide Thermoplastic Pavement Striping .....		4.34
	For Up To 250, Add		2.17
	For >250 To 1,000, Add		1.09
	For >5,000 To 10,000, Deduct		-0.65
	For >10,000 To 25,000, Deduct		-1.09
	For >25,000 To 50,000, Deduct		-1.52
	For >50,000, Deduct		-1.74
32 01 11 53-0011	SF Removal Of Thermoplastic Pavement Marking, Letters Or Symbols .....		4.34
	For Up To 250, Add		2.17
	For >250 To 1,000, Add		1.09
	For >5,000 To 10,000, Deduct		-0.65
	For >10,000 To 25,000, Deduct		-1.09
	For >25,000 To 50,000, Deduct		-1.52
	For >50,000, Deduct		-1.74

#### 32 01 13 Flexible Paving Surface Treatment <sup>(32 01)</sup>

**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 13 Flexible Paving Surface Treatment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 01 13 61 Slurry Seal (Latex Modified)** (32 01 13)

<b>32 01 13 61-0001</b>	<b>Asphalt Seal Coating, For Roads And Parking Lot</b> <small>(32 01 13 61)</small>	
	Note: Includes sweeping and cleaning of area.	
32 01 13 61-0002	EA Asphalt Seal Coating Minimum Charge .....	750.13
	Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
32 01 13 61-0003	SY Up To 500 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	4.05
	Note: 1/4" thick, 14 to 18 Lbs/SY.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.34
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.40
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.50
	For Each 0.5% Of Latex Addition, Add	0.36
32 01 13 61-0004	SY >500 To 1,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	3.73
	Note: 1/4" thick, 14 to 18 Lbs/SY.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.32
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.38
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.48
	For Each 0.5% Of Latex Addition, Add	0.36
32 01 13 61-0005	SY >1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	3.48
	Note: 1/4" thick, 14 to 18 Lbs/SY.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.31
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.37
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.47
	For Each 0.5% Of Latex Addition, Add	0.36
32 01 13 61-0006	SY >5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	3.26
	Note: 1/4" thick, 14 to 18 Lbs/SY.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.30
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.36
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.46
	For Each 0.5% Of Latex Addition, Add	0.36
32 01 13 61-0007	SY >20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	3.05
	Note: 1/4" thick, 14 to 18 Lbs/SY.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.29
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.35
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.45
	For Each 0.5% Of Latex Addition, Add	0.36
32 01 13 61-0008	SY >50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	2.85
	Note: 1/4" thick, 14 to 18 Lbs/SY.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.44
	For Each 0.5% Of Latex Addition, Add	0.36
32 01 13 61-0009	SY Up To 500 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	5.01
	Note: 3/8" thick, 25 to 30 Lbs/SY.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.34
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.40
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.50
	For Each 0.5% Of Latex Addition, Add	0.58
32 01 13 61-0010	SY >500 To 1,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	4.67
	Note: 3/8" thick, 25 to 30 Lbs/SY.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.33
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.39
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.49
	For Each 0.5% Of Latex Addition, Add	0.58
32 01 13 61-0011	SY >1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	4.41
	Note: 3/8" thick, 25 to 30 Lbs/SY.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.31
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.37
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.47
	For Each 0.5% Of Latex Addition, Add	0.58
32 01 13 61-0012	SY >5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	4.16
	Note: 3/8" thick, 25 to 30 Lbs/SY.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.30
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.36
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.46
	For Each 0.5% Of Latex Addition, Add	0.58
32 01 13 61-0013	SY >20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	3.93
	Note: 3/8" thick, 25 to 30 Lbs/SY.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.29
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.35
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.45
	For Each 0.5% Of Latex Addition, Add	0.58
32 01 13 61-0014	SY >50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	3.73
	Note: 3/8" thick, 25 to 30 Lbs/SY.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.44
	For Each 0.5% Of Latex Addition, Add	0.58

**32 01 13 62 Asphalt Surface Treatment** (32 01 13)**32 01 13 62-0001 Polymer-Modified, Microsurfacing Emulsion (MSE Microsurfacing)** (32 01 13 62)

Note: Use a blend of emulsified quick-set polymer-modified emulsion asphalt and latex-based polymer. Includes sweeping and cleaning of area.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 13 62-0002 SY Up To 200 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	8.94	
32 01 13 62-0003 SY Up To 500 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	8.41	
32 01 13 62-0004 SY >500 To 1,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	7.95	
32 01 13 62-0005 SY >1,000 To 5,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	7.56	
32 01 13 62-0006 SY >5,000 To 10,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	7.20	
32 01 13 62-0007 SY >10,000 To 20,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	6.88	
32 01 13 62-0008 SY >20,000 To 50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	6.65	
32 01 13 62-0009 SY >50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	6.54	

**32 01 16 Flexible Paving Rehabilitation** (32 01)

**32 01 16 71 Cold Milling Asphalt Pavement** (32 01 16)

**32 01 16 71-0001 Removal Of Asphalt Surface Course** (32 01 16 71)

Note: Includes direct loading into truck.

**32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas** (32 01 16 71-0001)

Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

32 01 16 71-0003 SY Up To 3" Depth, Production Cold Milling Of Asphalt.....	4.63
For Up To 2,500, Add	3.47
For >2,500 To 5,000, Add	1.16
For >10,000 To 25,000, Deduct	-0.46
For >25,000, Deduct	-0.69
32 01 16 71-0004 SY >3" To 6" Depth, Production Cold Milling Of Asphalt.....	6.17
For Up To 2,500, Add	4.63
For >2,500 To 5,000, Add	1.54
For >10,000 To 25,000, Deduct	-0.62
For >25,000, Deduct	-0.93
32 01 16 71-0005 SY >6" To 12" Depth, Production Cold Milling Of Asphalt.....	8.22
For Up To 2,500, Add	6.17
For >2,500 To 5,000, Add	2.06
For >10,000 To 25,000, Deduct	-0.82
For >25,000, Deduct	-1.23

**32 01 16 71-0006 Limited Production Cold Milling** (32 01 16 71-0001)

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

32 01 16 71-0007 SY Up To 3" Depth, Limited Cold Milling Of Asphalt.....	29.27
For >100 To 1,000, Deduct	-14.64
For >1,000, Deduct	-21.95
32 01 16 71-0008 SY >3" To 6" Depth, Limited Cold Milling Of Asphalt.....	38.76
For >100 To 1,000, Deduct	-19.38
For >1,000, Deduct	-29.07
32 01 16 71-0009 SY >6" To 12" Depth, Limited Cold Milling Of Asphalt.....	51.62
For >100 To 1,000, Deduct	-25.81
For >1,000, Deduct	-38.72

**32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings** (32 01 16 71)

Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0011 SY Grind, Leave In-Place As Subbase Course, 6-9" Depth.....	7.52
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**32 01 16 74 In Place Hot Reused Asphalt Paving** (32 01 16)

**32 01 16 74-0001 Rejuvenate, Respread Asphalt Pavement** (32 01 16 74)

Note: Includes direct loading into truck.

32 01 16 74-0002 SY Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep.....	12.06
32 01 16 74-0003 SY Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar.....	13.57
32 01 16 74-0004 TON Removal, Rejuvenation, And Respreading Of Asphalt Grindings.....	197.14

**32 01 16 74-0005 Reclamation, Pulverize And Blending With Existing** (32 01 16 74)

Note: Includes direct loading into truck.

32 01 16 74-0006 SY Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	15.77
32 01 16 74-0007 SY Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	7.88
32 01 16 74-0008 SY Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.94
32 01 16 74-0009 SY Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.74
32 01 16 74-0010 SY >2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.30
32 01 16 74-0011 SY >2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	17.20
32 01 16 74-0012 SY >2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	8.60
32 01 16 74-0013 SY >2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.05

**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 16 Flexible Paving Rehabilitation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01	16 74-0014	SY	>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	18.92	
32 01	16 74-0015	SY	>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	9.46	
32 01	16 74-0016	SY	>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.73	
32 01	16 74-0017	SY	>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.37	
32 01	16 74-0018	SY	>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	20.65	
32 01	16 74-0019	SY	>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	10.32	
32 01	16 74-0020	SY	>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.16	
32 01	16 74-0021	SY	>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.81	
32 01	16 74-0022	EA	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew.....	1,774.07	

**32 01 17 Flexible Paving Repair** (32 01)

See CSI section 32 12 16 00-0000 for large area resurfacing.

**32 01 17 61 Sealing Cracks in Asphalt Paving** (32 01 17)

Note: Includes removing loose materials and cleaning.

**32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair** (32 01 17 61)

Note: Includes removing loose materials and cleaning.

32 01	17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.78	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.51	
			For 1" x 1/2" Fill, Add	0.96	
			For Backer Rod, Add	1.02	
32 01	17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.44	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.42	
			For 1" x 1/2" Fill, Add	0.80	
			For Backer Rod, Add	0.91	
32 01	17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.16	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.34	
			For 1" x 1/2" Fill, Add	0.65	
			For Backer Rod, Add	0.81	
32 01	17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.00	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.30	
			For 1" x 1/2" Fill, Add	0.57	
			For Backer Rod, Add	0.76	
32 01	17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.89	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.27	
			For 1" x 1/2" Fill, Add	0.51	
			For Backer Rod, Add	0.71	
32 01	17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.82	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.24	
			For 1" x 1/2" Fill, Add	0.46	
			For Backer Rod, Add	0.67	
32 01	17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.91	
			For 3/8" x 1/4" Fill, Add	0.70	
			For 1/2" x 1/4" Fill, Add	1.29	
			For 1/2" x 1/2" Fill, Add	3.11	
32 01	17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.35	
			For 3/8" x 1/4" Fill, Add	0.58	
			For 1/2" x 1/4" Fill, Add	1.07	
			For 1/2" x 1/2" Fill, Add	2.60	
32 01	17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.82	
			For 3/8" x 1/4" Fill, Add	0.46	
			For 1/2" x 1/4" Fill, Add	0.85	
			For 1/2" x 1/2" Fill, Add	2.08	
32 01	17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.60	
			For 3/8" x 1/4" Fill, Add	0.40	
			For 1/2" x 1/4" Fill, Add	0.75	
			For 1/2" x 1/2" Fill, Add	1.86	
32 01	17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.44	
			For 3/8" x 1/4" Fill, Add	0.36	
			For 1/2" x 1/4" Fill, Add	0.67	
			For 1/2" x 1/2" Fill, Add	1.64	
32 01	17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.33	
			For 3/8" x 1/4" Fill, Add	0.33	
			For 1/2" x 1/4" Fill, Add	0.61	
			For 1/2" x 1/2" Fill, Add	1.49	
32 01	17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth.....	0.50	





MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**32 01 17 63 Flexible Pavement Repair** (32 01 17)

**32 01 17 63-0001 Temporary Pot Hole Repair** (32 01 17 63)

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons .....	1,518.95
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified.....	456.44
		Note: Use for each ton over 3 tons.	
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,461.74
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix .....	437.37
		Note: Use for each ton over 3 tons.	
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons .....	1,433.14
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified.....	427.83
		Note: Use for each ton over 3 tons.	
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons .....	1,404.53
32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix .....	418.30
		Note: Use for each ton over 3 tons.	

**32 01 17 63-0010 Asphalt Placement For Small Repairs** (32 01 17 63)

Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0001 for saw cutting.

32 01 17 63-0011	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified .....	261.44
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0012	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons .....	2,147.86
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0013	TON	Asphalt Placement For Small Repair Areas, Cold Mix.....	242.37
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0014	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons.....	2,119.26
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0015	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified.....	232.83
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0016	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons .....	2,090.65
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0017	TON	Asphalt Placement For Small Repair Areas, Hot Mix.....	223.30
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	

**32 01 17 63-0018 Permanent Pot Hole Repair** (32 01 17 63)

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 01 17 63-0019	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons .....	1,649.23
32 01 17 63-0020	TON	Permanent Pot Hole Repairs With Cold Mix .....	535.40
		Note: Use for each ton over 3 tons.	
32 01 17 63-0021	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	1,620.63
32 01 17 63-0022	TON	Permanent Pot Hole Repairs With Hot Mix Modified .....	525.86
		Note: Use for each ton over 3 tons.	
32 01 17 63-0023	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons .....	1,592.02
32 01 17 63-0024	TON	Permanent Pot Hole Repairs With Hot Mix .....	516.33
		Note: Use for each ton over 3 tons.	

**32 01 26 Rigid Paving Rehabilitation** (32 01)

**32 01 26 71 Grooving of Concrete Paving** (32 01 26)

**32 01 26 71-0001 Roadway Grooving** (32 01 26 71)

32 01 26 71-0002	EA	First 500 SY Of Pavement Grooving, Concrete, Longitudinal .....	4,044.87
32 01 26 71-0003	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal .....	3.74
32 01 26 71-0004	EA	First 500 SY Of Pavement Grooving, Concrete, Traverse .....	4,506.13
32 01 26 71-0005	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse .....	4.87

**32 01 26 71-0006 Rumble Strips** (32 01 26 71)

32 01 26 71-0007	EA	First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....	4,206.41
32 01 26 71-0008	LF	Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....	0.76
32 01 26 71-0009	EA	First 2000 LF Of MIARDS, Rumble Strips, Concrete .....	4,687.67
32 01 26 71-0010	LF	Each LF Over First 2000 LF Of MIARDS, Rumble Strips, Concrete.....	0.86

**32 01 26 73 Milling Of Concrete Paving** (32 01 26)

**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 26 Rigid Paving Rehabilitation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 26 73-0001		
<b>Removal Of Concrete</b> (32 01 26 73) Note: Includes direct loading into truck.		
32 01 26 73-0002		
<b>Production Milling Of Roads And Parking Areas</b> (32 01 26 73-0001) Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.		
32 01 26 73-0003 SY	Production Milling Of Concrete Per Inch.....	7.01
32 01 26 73-0004		
<b>Limited Production Milling</b> (32 01 26 73-0001) Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.		
32 01 26 73-0005 SY	Limited Production Milling Of Concrete Per Inch .....	44.00
32 01 90		
<b>Operation and Maintenance of Planting</b> (32 01) Note: These tasks are to be used as requested by the owner to maintain existing conditions.		
32 01 90 13		
<b>Fertilizing</b> (32 01 90)		
32 01 90 13-0001 MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Granular) .....	13.74
32 01 90 13-0002 MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Liquid).....	9.97
32 01 90 13-0003 MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular).....	10.92
32 01 90 13-0004 MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid).....	8.94
32 01 90 19		
<b>Mowing</b> (32 01 90)		
32 01 90 19-0001 ACR	Vegetation Cutting By Bush Hog.....	196.42
	Note: Includes normal debris removal, cutting, and trimming.	
	<i>For &lt;1 Acre, Add</i>	49.11
32 01 90 19-0002 MSF	Mowing Vegetation With Riding Mower, >20,000 To 45,000 SF.....	6.92
32 01 90 19-0003 MSF	Mowing Vegetation With Riding Mower, >45,000 SF .....	5.36
32 01 90 19-0004 MSF	Clear Vegetation With Weed Trimmer, Up To 1,000 SF .....	22.77
	<i>For Work On Slopes &gt;2:1, Add</i>	5.69
	<i>For Clearing Light Brush, Add</i>	3.42
32 01 90 19-0005 MSF	Clear Vegetation With Weed Trimmer, >1,000 SF .....	19.12
	<i>For Work On Slopes &gt;2:1, Add</i>	4.78
	<i>For Clearing Light Brush, Add</i>	2.87
32 01 90 19-0006 MSF	Blow Or Vacuum Dispersed Non-Native Seed After Bulk Of Biomass Removed .....	20.40
32 01 90 23		
<b>Pruning</b> (32 01 90)		
32 01 90 23-0001		
<b>Tree Pruning</b> (32 01 90 23) Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster.		
32 01 90 23-0002		
<b>Tree Pruning; Crown Cleaning</b> (32 01 90 23-0001) Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.		
32 01 90 23-0003 EA	1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	28.45
32 01 90 23-0004 EA	2" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	32.51
32 01 90 23-0005 EA	2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	36.57
32 01 90 23-0006 EA	3" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	40.65
32 01 90 23-0007 EA	4" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	61.77
32 01 90 23-0008 EA	4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	106.64
32 01 90 23-0009 EA	6" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	108.10
32 01 90 23-0010 EA	6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	203.10
32 01 90 23-0011 EA	9" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	173.10
32 01 90 23-0012 EA	9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	324.89
32 01 90 23-0013 EA	12" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	200.02
32 01 90 23-0014 EA	12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	375.73
32 01 90 23-0015 EA	18" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	232.52
32 01 90 23-0016 EA	18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	436.65
32 01 90 23-0017 EA	24" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	283.03
32 01 90 23-0018 EA	24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	528.14
32 01 90 23-0019 EA	30" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	351.59
32 01 90 23-0020 EA	30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	665.61
32 01 90 23-0021 EA	36" Caliper, Tree Pruning (Crown Cleaning), By Hand .....	481.56
32 01 90 23-0022 EA	36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	902.13
32 01 90 23-0023 EA	48" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	763.98
32 01 90 23-0024 EA	48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	1,450.77



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 32 01 90 23-0025

**Tree Pruning; Crown Thinning** (32 01 90 23-0001)

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

32 01 90 23-0026	EA	1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand .....	34.88
32 01 90 23-0027	EA	2" Caliper, Tree Pruning (Crown Thinning), By Hand .....	39.83
32 01 90 23-0028	EA	2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand .....	44.79
32 01 90 23-0029	EA	3" Caliper, Tree Pruning (Crown Thinning), By Hand .....	49.83
32 01 90 23-0030	EA	4" Caliper, Tree Pruning (Crown Thinning), By Hand .....	75.68
32 01 90 23-0031	EA	4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment .....	130.60
32 01 90 23-0032	EA	6" Caliper, Tree Pruning (Crown Thinning), By Hand .....	132.41
32 01 90 23-0033	EA	6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment .....	248.81
32 01 90 23-0034	EA	9" Caliper, Tree Pruning (Crown Thinning), By Hand .....	212.08
32 01 90 23-0035	EA	9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment .....	397.99
32 01 90 23-0036	EA	12" Caliper, Tree Pruning (Crown Thinning), By Hand .....	245.00
32 01 90 23-0037	EA	12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment .....	460.24
32 01 90 23-0038	EA	18" Caliper, Tree Pruning (Crown Thinning), By Hand .....	284.83
32 01 90 23-0039	EA	18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment .....	534.89
32 01 90 23-0040	EA	24" Caliper, Tree Pruning (Crown Thinning), By Hand .....	346.69
32 01 90 23-0041	EA	24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment .....	647.00
32 01 90 23-0042	EA	30" Caliper, Tree Pruning (Crown Thinning), By Hand .....	430.66
32 01 90 23-0043	EA	30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment .....	815.38
32 01 90 23-0044	EA	36" Caliper, Tree Pruning (Crown Thinning), By Hand .....	589.90
32 01 90 23-0045	EA	36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment .....	1,105.11
32 01 90 23-0046	EA	48" Caliper, Tree Pruning (Crown Thinning), By Hand .....	935.86
32 01 90 23-0047	EA	48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment .....	1,777.20

## 32 01 90 23-0048

**Tree Pruning; Crown Raising** (32 01 90 23-0001)

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA	1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand .....	38.45
32 01 90 23-0050	EA	2" Caliper, Tree Pruning (Crown Raising), By Hand .....	43.90
32 01 90 23-0051	EA	2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand .....	49.42
32 01 90 23-0052	EA	3" Caliper, Tree Pruning (Crown Raising), By Hand .....	54.87
32 01 90 23-0053	EA	4" Caliper, Tree Pruning (Crown Raising), By Hand .....	83.40
32 01 90 23-0054	EA	4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment .....	144.01
32 01 90 23-0055	EA	6" Caliper, Tree Pruning (Crown Raising), By Hand .....	145.91
32 01 90 23-0056	EA	6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment .....	274.20
32 01 90 23-0057	EA	9" Caliper, Tree Pruning (Crown Raising), By Hand .....	233.70
32 01 90 23-0058	EA	9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment .....	438.61
32 01 90 23-0059	EA	12" Caliper, Tree Pruning (Crown Raising), By Hand .....	270.04
32 01 90 23-0060	EA	12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment .....	507.26
32 01 90 23-0061	EA	18" Caliper, Tree Pruning (Crown Raising), By Hand .....	313.94
32 01 90 23-0062	EA	18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment .....	589.52
32 01 90 23-0063	EA	24" Caliper, Tree Pruning (Crown Raising), By Hand .....	382.13
32 01 90 23-0064	EA	24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment .....	713.01
32 01 90 23-0065	EA	30" Caliper, Tree Pruning (Crown Raising), By Hand .....	474.63
32 01 90 23-0066	EA	30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment .....	898.55
32 01 90 23-0067	EA	36" Caliper, Tree Pruning (Crown Raising), By Hand .....	650.14
32 01 90 23-0068	EA	36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment .....	1,217.84
32 01 90 23-0069	EA	48" Caliper, Tree Pruning (Crown Raising), By Hand .....	1,031.37
32 01 90 23-0070	EA	48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment .....	1,958.57

## 32 01 90 23-0071

**Tree Pruning; Crown Reduction** (32 01 90 23-0001)

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.

32 01 90 23-0072	EA	1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand .....	41.30
32 01 90 23-0073	EA	2" Caliper, Tree Pruning (Crown Reduction), By Hand .....	47.15
32 01 90 23-0074	EA	2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand .....	53.08
32 01 90 23-0075	EA	3" Caliper, Tree Pruning (Crown Reduction), By Hand .....	58.93
32 01 90 23-0076	EA	4" Caliper, Tree Pruning (Crown Reduction), By Hand .....	89.57
32 01 90 23-0077	EA	4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment .....	154.67
32 01 90 23-0078	EA	6" Caliper, Tree Pruning (Crown Reduction), By Hand .....	156.73
32 01 90 23-0079	EA	6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment .....	294.51
32 01 90 23-0080	EA	9" Caliper, Tree Pruning (Crown Reduction), By Hand .....	251.01
32 01 90 23-0081	EA	9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment .....	471.11
32 01 90 23-0082	EA	12" Caliper, Tree Pruning (Crown Reduction), By Hand .....	290.03
32 01 90 23-0083	EA	12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment .....	544.84
32 01 90 23-0084	EA	18" Caliper, Tree Pruning (Crown Reduction), By Hand .....	337.18

**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 90 Operation and Maintenance of Planting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 01 90 23-0085	EA	18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	633.19
32 01 90 23-0086	EA	24" Caliper, Tree Pruning (Crown Reduction), By Hand.....	410.42
32 01 90 23-0087	EA	24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	765.82
32 01 90 23-0088	EA	30" Caliper, Tree Pruning (Crown Reduction), By Hand.....	509.84
32 01 90 23-0089	EA	30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	965.17
32 01 90 23-0090	EA	36" Caliper, Tree Pruning (Crown Reduction), By Hand.....	698.25
32 01 90 23-0091	EA	36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	1,308.12
32 01 90 23-0092	EA	48" Caliper, Tree Pruning (Crown Reduction), By Hand.....	1,107.78
32 01 90 23-0093	EA	48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	2,103.59

**32 01 90 23-0094 Tree Pruning; Crown Restoration** (32 01 90 23-0001)

Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.

32 01 90 23-0095	EA	1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	47.39
32 01 90 23-0096	EA	2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	54.22
32 01 90 23-0097	EA	2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	60.96
32 01 90 23-0098	EA	3" Caliper, Tree Pruning (Crown Restoration), By Hand.....	67.71
32 01 90 23-0099	EA	4" Caliper, Tree Pruning (Crown Restoration), By Hand.....	102.91
32 01 90 23-0100	EA	4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	177.72
32 01 90 23-0101	EA	6" Caliper, Tree Pruning (Crown Restoration), By Hand.....	180.14
32 01 90 23-0102	EA	6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	338.48
32 01 90 23-0103	EA	9" Caliper, Tree Pruning (Crown Restoration), By Hand.....	288.49
32 01 90 23-0104	EA	9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	541.49
32 01 90 23-0105	EA	12" Caliper, Tree Pruning (Crown Restoration), By Hand.....	333.35
32 01 90 23-0106	EA	12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	626.18
32 01 90 23-0107	EA	18" Caliper, Tree Pruning (Crown Restoration), By Hand.....	387.50
32 01 90 23-0108	EA	18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	727.74
32 01 90 23-0109	EA	24" Caliper, Tree Pruning (Crown Restoration), By Hand.....	471.71
32 01 90 23-0110	EA	24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	880.28
32 01 90 23-0111	EA	30" Caliper, Tree Pruning (Crown Restoration), By Hand.....	586.00
32 01 90 23-0112	EA	30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	1,109.38
32 01 90 23-0113	EA	36" Caliper, Tree Pruning (Crown Restoration), By Hand.....	802.63
32 01 90 23-0114	EA	36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	1,503.61
32 01 90 23-0115	EA	48" Caliper, Tree Pruning (Crown Restoration), By Hand.....	1,273.28
32 01 90 23-0116	EA	48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	2,418.00

**32 01 90 23-0117 Shrub Pruning** (32 01 90 23)

32 01 90 23-0118	MSF	Shrub Pruning, Prune, Shrub Bed.....	92.63
32 01 90 23-0119	EA	Shrub Pruning, Prune, Shrub Under 3' Height.....	3.25
32 01 90 23-0120	EA	Shrub Pruning, Prune, Shrub 4' Height.....	7.31
32 01 90 23-0121	EA	Shrub Pruning, Prune, Shrub Over 6'.....	13.00
32 01 90 23-0122	EA	Shrub Pruning, Prune Trees From Ground.....	32.51
32 01 90 23-0123	EA	Shrub Pruning, Prune Trees From Ground, High Work.....	81.28

**32 01 90 23-0124 Root Pruning** (32 01 90 23)

Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.

32 01 90 23-0125	EA	Root Pruning, One Side Of Up To 1-1/2" Caliper Tree.....	16.26
32 01 90 23-0126	EA	Root Pruning, One Side Of 2" Caliper Tree.....	20.32
32 01 90 23-0127	EA	Root Pruning, One Side Of 2-1/2" Caliper Tree.....	24.39
32 01 90 23-0128	EA	Root Pruning, One Side Of 3" Caliper Tree.....	32.51
32 01 90 23-0129	EA	Root Pruning, One Side Of 4" Caliper Tree.....	48.77
32 01 90 23-0130	EA	Root Pruning, One Side Of >4" To 6" Caliper Tree.....	60.96
32 01 90 23-0131	EA	Root Pruning, One Side Of >6" To 9" Caliper Tree.....	85.35
32 01 90 23-0132	EA	Root Pruning, One Side Of >9" To 12" Caliper Tree.....	97.55
32 01 90 23-0133	EA	Root Pruning, One Side Of >12" To 18" Caliper Tree.....	113.81
32 01 90 23-0134	EA	Root Pruning, One Side Of >18" To 24" Caliper Tree.....	142.25
32 01 90 23-0135	EA	Root Pruning, One Side Of >24" To 30" Caliper Tree.....	174.77
32 01 90 23-0136	EA	Root Pruning, One Side Of >30" To 36" Caliper Tree.....	203.22
32 01 90 23-0137	EA	Root Pruning, One Side Of >36" To 42" Caliper Tree.....	223.54
32 01 90 23-0138	EA	Root Pruning, One Side Of >42" To 48" Caliper Tree.....	243.86

**32 01 90 26 Watering** (32 01 90)

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

**32 01 90 26-0001 Watering Lawns, Plants And Trees** (32 01 90 26)

Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.

32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water.....	46.83
32 01 90 26-0003	CSF	Watering Groundcover.....	7.25
32 01 90 26-0004	CSF	Watering Annuals And Perennials.....	12.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 26-0005 EA Watering Trees, 1-1/2" To 5" Diameter By Hand .....	24.87	
32 01 90 26-0006 EA Watering Trees, 6" To 12" Diameter By Hand .....	32.69	
32 01 90 26-0007 EA Watering Trees, 13" To 18" Diameter By Hand .....	40.52	
32 01 90 26-0008 EA Watering Trees, >18" Diameter By Hand .....	49.88	
32 01 90 26-0009 EA Watering Shrub Or Bush By Hand .....	12.51	
 <b>32 01 90 36 Weed and Brush Control (32 01 90)</b>		
<b>32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied (32 01 90 36)</b>		
32 01 90 36-0002 MSF Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF) .....	7.55	
<i>For &gt;45 To 90, Deduct</i>	-0.42	
<i>For &gt;90 To 225, Deduct</i>	-1.17	
<i>For &gt;225 To 870, Deduct</i>	-1.93	
<i>For &gt;870, Deduct</i>	-2.34	
32 01 90 36-0003 MSF Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF) .....	8.16	
<i>For &gt;45 To 90, Deduct</i>	-0.48	
<i>For &gt;90 To 225, Deduct</i>	-1.29	
<i>For &gt;225 To 870, Deduct</i>	-2.11	
<i>For &gt;870, Deduct</i>	-2.58	
32 01 90 36-0004 MSF Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF) .....	8.13	
<i>Note: Includes pre and post emergent.</i>		
<i>For &gt;45 To 90, Deduct</i>	-0.47	
<i>For &gt;90 To 225, Deduct</i>	-1.29	
<i>For &gt;225 To 870, Deduct</i>	-2.10	
<i>For &gt;870, Deduct</i>	-2.57	
32 01 90 36-0005 MSF Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF) .....	8.51	
<i>Note: Includes pre and post emergents.</i>		
<i>For &gt;45 To 90, Deduct</i>	-0.51	
<i>For &gt;90 To 225, Deduct</i>	-1.36	
<i>For &gt;225 To 870, Deduct</i>	-2.21	
<i>For &gt;870, Deduct</i>	-2.72	
 <b>32 01 90 39 Pesticides (32 01 90)</b>		
32 01 90 39-0001 MSF Pesticide - Surface Eating .....	10.40	
32 01 90 39-0002 MSF Pesticide - Subsurface Eating .....	10.44	
32 01 90 39-0003 MSF Pesticide - Fungicide Application .....	11.31	
 <b>32 01 90 43 Weed and Cultivate Beds (32 01 90)</b>		
32 01 90 43-0001 MSF Weed Mulched Bed .....	39.67	
32 01 90 43-0002 MSF Weed Unmulched Bed .....	113.33	
32 01 90 43-0003 MSF Cultivate Bed .....	61.02	
 <b>32 01 90 46 Hedge Trimming (32 01 90)</b>		
32 01 90 46-0001 LF Trim 0-5' High Hedge, 0-3' Wide .....	5.26	
32 01 90 46-0002 LF Trim 0-5' High Hedge, 4-6' Wide .....	7.89	
32 01 90 46-0003 LF Trim 5-10' High Hedge, 0-3' Wide .....	11.95	
32 01 90 46-0004 LF Trim 5-10' High Hedge, 4-6' Wide .....	12.16	
 <b>32 01 90 53 Plant Growth Regulator Application (32 01 90)</b>		
32 01 90 53-0001 EA Plant Growth Regulator Application .....	5.92	
 <b>32 10 Bases, Ballasts, and Paving (32)</b>		
<b>32 11 Base Courses (32 10)</b>		
<b>32 11 16 Subbase Courses (32 11)</b>		
<b>32 11 16 16 Aggregate Subbase Courses (32 11 16)</b>		
32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas (32 11 16 16)		
<i>Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.</i>		
32 11 16 16-0002 Base And Subbase Courses By The CY (32 11 16 16-0001)		
32 11 16 16-0003 CY Class II Graded Crushed Aggregate Roadway Base Course .....	89.40	
32 11 16 16-0004 CY Class III Graded Crushed Aggregate Roadway Base Course .....	86.58	
32 11 16 16-0005 Class II Base Courses By The SY (32 11 16 16-0001)		
32 11 16 16-0006 SY 2" Class II Graded Crushed Aggregate Base Course .....	4.91	
<i>For Up To 500, Add</i>	1.30	
<i>For &gt;500 To 1,000, Add</i>	0.49	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.19	
<i>For &gt;10,000, Deduct</i>	-0.32	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 11 Base Courses**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 11 16	16-0007	SY	4" Class II Crushed Aggregate Base Course .....	9.84	
			For Up To 500, Add	2.61	
			For >500 To 1,000, Add	0.98	
			For >5,000 To 10,000, Deduct	-0.37	
			For >10,000, Deduct	-0.64	
32 11 16	16-0008	SY	6" Class II Crushed Aggregate Base Course .....	14.75	
			For Up To 500, Add	3.91	
			For >500 To 1,000, Add	1.48	
			For >5,000 To 10,000, Deduct	-0.56	
			For >10,000, Deduct	-0.96	
32 11 16	16-0009	SY	9" Class II Crushed Aggregate Base Course .....	22.13	
			For Up To 500, Add	5.86	
			For >500 To 1,000, Add	2.21	
			For >5,000 To 10,000, Deduct	-0.84	
			For >10,000, Deduct	-1.44	
32 11 16	16-0010	SY	12" Class II Crushed Aggregate Base Course .....	29.51	
			For Up To 500, Add	7.82	
			For >500 To 1,000, Add	2.95	
			For >5,000 To 10,000, Deduct	-1.12	
			For >10,000, Deduct	-1.92	

**32 11 23 Aggregate Base Courses (32 11)****32 11 23 16 Aggregate Base Courses (32 11 23)****32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) (32 11 23 16)**

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 11 23 16	0002	SF	2" Crushed Aggregate Base Course For Sidewalks .....	0.59	
			For Up To 1,000, Add	0.16	
			For >1,000 To 2,500, Add	0.06	
32 11 23 16	0003	SF	3" Crushed Aggregate Base Course For Sidewalks .....	0.84	
			For Up To 1,000, Add	0.24	
			For >1,000 To 2,500, Add	0.08	
32 11 23 16	0004	SF	4" Crushed Aggregate Base Course For Sidewalks .....	1.11	
			For Up To 1,000, Add	0.31	
			For >1,000 To 2,500, Add	0.11	
32 11 23 16	0005	SF	5" Crushed Aggregate Base Course For Sidewalks .....	1.43	
			For Up To 1,000, Add	0.40	
			For >1,000 To 2,500, Add	0.14	
32 11 23 16	0006	SF	6" Crushed Aggregate Base Course For Sidewalks .....	1.74	
			For Up To 1,000, Add	0.49	
			For >1,000 To 2,500, Add	0.17	
32 11 23 16	0007	SF	7" Crushed Aggregate Base Course For Sidewalks .....	2.01	
			For Up To 1,000, Add	0.56	
			For >1,000 To 2,500, Add	0.20	
32 11 23 16	0008	SF	8" Crushed Aggregate Base Course For Sidewalks .....	2.29	
			For Up To 1,000, Add	0.64	
			For >1,000 To 2,500, Add	0.23	

**32 11 26 Asphaltic Base Courses (32 11)****32 11 26 19 Bituminous-Stabilized Base Courses (32 11 26)****32 11 26 19-0001 Bituminous-Stabilized Base Courses (32 11 26 19)**

32 11 26 19	0002	CY	Bituminous Stabilized Base Course .....	88.75	
			Note: 3/4" ASTM C33.		

**32 12 Flexible Paving (32 10)****32 12 13 Preparatory Coats (32 12)****32 12 13 13 Tack Coats (32 12 13)**

32 12 13 13	0001	SY	Tack Coat, 0.04 Gallon/SY .....	0.58	
			For Up To 150, Add	0.11	
			For >150 To 300, Add	0.06	
			For >300 To 500, Add	0.03	
			For >3,500 To 5,000, Deduct	-0.01	
			For >5,000, Deduct	-0.03	
32 12 13 13	0002	SY	Tack Coat, 0.05 Gallon/SY .....	0.63	
			For Up To 150, Add	0.12	
			For >150 To 300, Add	0.06	
			For >300 To 500, Add	0.03	
			For >3,500 To 5,000, Deduct	-0.02	
			For >5,000, Deduct	-0.04	
32 12 13 13	0003	SY	Tack Coat, 0.07 Gallon/SY .....	0.74	
			For Up To 150, Add	0.15	
			For >150 To 300, Add	0.07	
			For >300 To 500, Add	0.04	
			For >3,500 To 5,000, Deduct	-0.02	
			For >5,000, Deduct	-0.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 13 13-0004 SY Tack Coat, 0.08 Gallon/SY .....	0.80	
For Up To 150, Add	0.16	
For >150 To 300, Add	0.08	
For >300 To 500, Add	0.04	
For >3,500 To 5,000, Deduct	-0.02	
For >5,000, Deduct	-0.05	
32 12 13 13-0005 SY Tack Coat, 0.10 Gallon/SY .....	0.90	
For Up To 150, Add	0.19	
For >150 To 300, Add	0.09	
For >300 To 500, Add	0.05	
For >3,500 To 5,000, Deduct	-0.02	
For >5,000, Deduct	-0.06	
32 12 13 13-0006 SY Tack Coat, 0.11 Gallon/SY .....	0.96	
For Up To 150, Add	0.20	
For >150 To 300, Add	0.10	
For >300 To 500, Add	0.05	
For >3,500 To 5,000, Deduct	-0.02	
For >5,000, Deduct	-0.06	
<b>32 12 13 19 Prime Coats</b> <small>(32 12 13)</small>		
32 12 13 19-0001 SY Surface Prime Coat, 0.26 Gallon/SY .....	1.58	
For Up To 150, Add	0.35	
For >150 To 300, Add	0.16	
For >300 To 500, Add	0.08	
For >3,500 To 5,000, Deduct	-0.04	
For >5,000, Deduct	-0.11	
32 12 13 19-0002 SY Surface Prime Coat, 0.28 Gallon/SY .....	1.66	
For Up To 150, Add	0.37	
For >150 To 300, Add	0.17	
For >300 To 500, Add	0.08	
For >3,500 To 5,000, Deduct	-0.04	
For >5,000, Deduct	-0.11	
32 12 13 19-0003 SY Surface Prime Coat, 0.30 Gallon/SY .....	1.75	
For Up To 150, Add	0.39	
For >150 To 300, Add	0.18	
For >300 To 500, Add	0.09	
For >3,500 To 5,000, Deduct	-0.04	
For >5,000, Deduct	-0.12	
<b>32 12 16 Asphalt Paving</b> <small>(32 12)</small>		
<b>32 12 16 13 Plant-Mix Asphalt Paving</b> <small>(32 12 16)</small>		
<p>Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0039 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.</p>		
<b>32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA)</b> <small>(32 12 16 13)</small>		
<p>Note: Meets Caltrans requirements.</p>		
32 12 16 13-0002 TON Bituminous Hot Mix Intermediate Course 3,954 LB/CY .....	118.59	
<p>Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.</p>		
For Up To 25, Add	17.44	
For >25 To 50, Add	9.80	
For >500 To 1,000, Deduct	-4.81	
For >1,000 To 2,500, Deduct	-8.73	
For >2,500 To 5,000, Deduct	-13.54	
For >5,000, Deduct	-19.43	
For Warm Mix Additive, Add	5.69	
32 12 16 13-0003 SY 1" Thick Bituminous Hot Mix Binder Course .....	6.76	
<p>Note: Includes placement, rolling, finishing and sweeping.</p>		
For Up To 1,000, Add	1.03	
For >1,000 To 2,000, Add	0.58	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000 To 50,000, Deduct	-0.51	
For >50,000 To 100,000, Deduct	-0.79	
For >100,000, Deduct	-1.14	
32 12 16 13-0004 SY 1-1/2" Thick Bituminous Hot Mix Binder Course .....	10.02	
<p>Note: Includes placement, rolling, finishing and sweeping.</p>		
For Up To 700, Add	1.51	
For >700 To 1,400, Add	0.85	
For >7,000 To 14,000, Deduct	-0.42	
For >14,000 To 32,000, Deduct	-0.76	
For >32,000 To 64,000, Deduct	-1.18	
For >64,000, Deduct	-1.69	
32 12 16 13-0005 SY 2" Thick Bituminous Hot Mix Binder Course .....	12.86	
<p>Note: Includes placement, rolling, finishing and sweeping.</p>		
For Up To 500, Add	1.87	
For >500 To 1,000, Add	1.05	
For >5,000 To 10,000, Deduct	-0.55	
For >10,000 To 24,000, Deduct	-1.00	
For >24,000 To 48,000, Deduct	-1.54	
For >48,000, Deduct	-2.22	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0006	SY		2-1/2" Thick Bituminous Hot Mix Binder Course .....	16.27	
			Note: Includes placement, rolling, finishing and sweeping.		
			For Up To 400, Add	2.39	
			For >400 To 800, Add	1.34	
			For >4,000 To 8,000, Deduct	-0.69	
			For >8,000 To 20,000, Deduct	-1.25	
			For >20,000 To 40,000, Deduct	-1.94	
			For >40,000, Deduct	-2.79	
32 12 16 13-0007	SY		3" Thick Bituminous Hot Mix Binder Course .....	19.53	
			Note: Includes placement, rolling, finishing and sweeping.		
			For Up To 340, Add	2.87	
			For >340 To 680, Add	2.34	
			For >3,400 To 6,800, Deduct	-0.82	
			For >6,800 To 17,000, Deduct	-1.50	
			For >17,000 To 34,000, Deduct	-2.33	
			For >34,000, Deduct	-3.35	
32 12 16 13-0008	SY		3-1/2" Thick Bituminous Hot Mix Binder Course .....	22.79	
			Note: Includes placement, rolling, finishing and sweeping.		
			For Up To 280, Add	3.35	
			For >280 To 560, Add	1.88	
			For >2,800 To 5,600, Deduct	-0.96	
			For >5,600 To 14,000, Deduct	-1.75	
			For >14,000 To 28,000, Deduct	-2.71	
			For >28,000, Deduct	-3.90	
32 12 16 13-0009	SY		4" Thick Bituminous Hot Mix Binder Course .....	26.05	
			Note: Includes placement, rolling, finishing and sweeping.		
			For Up To 250, Add	3.83	
			For >250 To 500, Add	2.15	
			For >2,500 To 5,000, Deduct	-1.10	
			For >5,000 To 12,000, Deduct	-2.00	
			For >12,000 To 24,000, Deduct	-3.10	
			For >24,000, Deduct	-4.46	
32 12 16 13-0010	SY		5" Thick Bituminous Hot Mix Binder Course .....	32.56	
			Note: Includes placement, rolling, finishing and sweeping.		
			For Up To 200, Add	4.79	
			For >200 To 400, Add	2.69	
			For >2,000 To 4,000, Deduct	-1.37	
			For >4,000 To 10,000, Deduct	-2.50	
			For >10,000 To 20,000, Deduct	-3.88	
			For >20,000, Deduct	-5.58	
32 12 16 13-0011	SY		6" Thick Bituminous Hot Mix Binder Course .....	39.07	
			Note: Includes placement, rolling, finishing and sweeping.		
			For Up To 160, Add	5.74	
			For >160 To 320, Add	3.23	
			For >1,600 To 3,200, Deduct	-1.65	
			For >3,200 To 8,000, Deduct	-3.01	
			For >8,000 To 16,000, Deduct	-4.65	
			For >16,000, Deduct	-6.69	
32 12 16 13-0012			<b>Surface Courses, Hot Mix Asphalt (HMA)</b> <small>(32 12 16 13)</small>		
			Note: Meets Caltrans requirements.		
32 12 16 13-0013	TON		Bituminous Hot Mix Surface Course 3954 LB/CY .....	122.34	
			Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
			For PG64-10 Asphalt, Add	2.09	
			For Up To 25, Add	19.21	
			For >25 To 50, Add	10.96	
			For >500 To 1,000, Deduct	-4.71	
			For >1,000 To 2,500, Deduct	-8.59	
			For >2,500 To 5,000, Deduct	-13.30	
			For >5,000, Deduct	-19.11	
			For Warm Mix Additive, Add	5.43	
32 12 16 13-0014	TON		Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR) .....	136.32	
			Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
			For Up To 25, Add	21.77	
			For >25 To 50, Add	12.47	
			For >500 To 1,000, Deduct	-5.18	
			For Warm Mix Additive, Add	5.92	
32 12 16 13-0015	TON		Asphalt Rubberized Hot Mix (ARHM) Surface Course.....	144.68	
			Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
			For Up To 25, Add	22.60	
			For >25 To 50, Add	12.88	
			For >500 To 1,000, Deduct	-5.59	
			For >1,000 To 2,500, Deduct	-10.19	
			For >2,500 To 5,000, Deduct	-15.79	
			For >5,000, Deduct	-22.69	
			For Warm Mix Additive, Add	6.47	
32 12 16 13-0016	SY		1" Thick Bituminous Hot Mix Surface Course .....	6.71	
			Note: Includes placement, rolling, finishing and sweeping.		
			For PG64-10 Asphalt, Add	0.11	
			For Up To 1,000, Add	1.09	
			For >1,000 To 2,000, Add	0.63	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000 To 50,000, Deduct	-0.49	
			For >50,000 To 100,000, Deduct	-0.75	
			For >100,000, Deduct	-1.09	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0017 SY 1-1/2" Thick Bituminous Hot Mix Surface Course .....	9.92	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.16	
For Up To 700, Add	1.60	
For >700 To 1,400, Add	0.91	
For >7,000 To 14,000, Deduct	-0.40	
For >14,000 To 32,000, Deduct	-0.73	
For >32,000 To 64,000, Deduct	-1.12	
For >64,000, Deduct	-1.62	
32 12 16 13-0018 SY 2" Thick Bituminous Hot Mix Surface Course .....	12.62	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.22	
For Up To 500, Add	1.96	
For >500 To 1,000, Add	1.11	
For >5,000 To 10,000, Deduct	-0.52	
For >10,000 To 24,000, Deduct	-0.94	
For >24,000 To 48,000, Deduct	-1.46	
For >48,000, Deduct	-2.10	
32 12 16 13-0019 SY 2-1/2" Thick Bituminous Hot Mix Surface Course .....	16.02	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.27	
For Up To 400, Add	2.51	
For >400 To 800, Add	1.43	
For >4,000 To 8,000, Deduct	-0.65	
For >8,000 To 20,000, Deduct	-1.19	
For >20,000 To 40,000, Deduct	-1.84	
For >40,000, Deduct	-2.65	
32 12 16 13-0020 SY 3" Thick Bituminous Hot Mix Surface Course .....	19.24	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.33	
For Up To 340, Add	3.02	
For >340 To 680, Add	2.38	
For >3,400 To 6,800, Deduct	-0.78	
For >6,800 To 17,000, Deduct	-1.43	
For >17,000 To 34,000, Deduct	-2.21	
For >34,000, Deduct	-3.18	
32 12 16 13-0021 CSF Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench.....	89.01	
<b>32 12 16 13-0022 Hand Placed, Hot Mix Asphalt (HMA)</b> <small>(32 12 16 13)</small>		
32 12 16 13-0023 TON Hand Placed Hot Mixed Asphalt 3,954 LB/CY .....	337.92	
Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		
<b>32 12 16 19 Cold-Mix Asphalt Paving</b> <small>(32 12 16)</small>		
Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
<b>32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement</b> <small>(32 12 16 19)</small>		
Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0002 SY Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course.....	10.81	
32 12 16 19-0003 SY Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course .....	10.44	
32 12 16 19-0004 SY Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course .....	15.83	
<b>32 12 16 39 Paving Fabrics</b> <small>(32 12 16)</small>		
See CSI section 31 32 19 16-0000 for geotextile fabric.		
<b>32 12 16 39-0001 Geotextile Paving Fabrics</b> <small>(32 12 16 39)</small>		
32 12 16 39-0002 SY 3.6 Ounce/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O) .....	2.15	
For Up To 50, Add	0.47	
For >50 To 150, Add	0.35	
For >150 To 250, Add	0.23	
For >250 To 500, Add	0.11	
32 12 16 39-0003 SY 4.1 Ounce/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O) .....	2.32	
For Up To 50, Add	0.50	
For >50 To 150, Add	0.37	
For >150 To 250, Add	0.25	
For >250 To 500, Add	0.12	
<b>32 12 16 43 Waterproofing Membranes</b> <small>(32 12 16)</small>		
<b>32 12 16 43-0001 Waterproofing Membranes</b> <small>(32 12 16 43)</small>		
32 12 16 43-0002 SY Up To 500 SY, Preformed Rubberized Asphalt Membrane .....	33.24	
32 12 16 43-0003 SY >500 To 1,000 SY, Preformed Rubberized Asphalt Membrane.....	24.45	
32 12 16 43-0004 SY >1,000 SY, Preformed Rubberized Asphalt Membrane.....	14.42	
<b>32 12 33 Flexible Paving Surface Treatments</b> <small>(32 12)</small>		
<b>32 12 33 00-0001 Bituminous Surface Treatment For Roadways</b> <small>(32 12 33)</small>		
Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.		
32 12 33 00-0002 SY Single Course Bituminous Treatment, Prepare And Clean Surface Roadway.....	2.76	
32 12 33 00-0003 SY Double Course Bituminous Treatment, Prepare And Clean Surface Roadway .....	5.04	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 12 33 00-0004	<b>Bituminous Surface Treatment For Trails</b> <small>(32 12 33)</small> Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.	
32 12 33 00-0005	SY Bituminous Surface Treatment, For Trails .....	1.73
<b>32 12 36 Seal Coats</b> <small>(32 12)</small>	See CSI section 32 01 13 62-0000 for slurry seal.	
<b>32 12 36 13 Asphaltic Seal and Fog Coats</b> <small>(32 12 36)</small>		
32 12 36 13-0001	<b>Asphalt Emulsion Seal Coat (Chip Seal)</b> <small>(32 12 36 13)</small> Note: Includes initial sweeping prior to placement, cleaning of area, rolling and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.	
32 12 36 13-0002	<b>Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)</b> <small>(32 12 36 13-0001)</small> Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.	
32 12 36 13-0003	SY Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	4.32
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.45
32 12 36 13-0004	SY >200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.84
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.45
32 12 36 13-0005	SY >500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.62
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.45
32 12 36 13-0006	SY >1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.38
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.45
32 12 36 13-0007	SY >5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.25
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.45
32 12 36 13-0008	SY >10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.14
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.45
32 12 36 13-0009	SY >20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.01
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.45
32 12 36 13-0010	SY >50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.95
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.45
32 12 36 13-0011	<b>Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)</b> <small>(32 12 36 13-0001)</small> Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.	
32 12 36 13-0012	SY Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	5.04
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.56
32 12 36 13-0013	SY >200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	4.49
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.56
32 12 36 13-0014	SY >500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	4.22
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.56
32 12 36 13-0015	SY >1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	4.09
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.56
32 12 36 13-0016	SY >5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.77
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.56
32 12 36 13-0017	SY >10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.57
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.56
32 12 36 13-0018	SY >20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.42
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.56
32 12 36 13-0019	SY >50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.34
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.56
32 12 36 13-0020	<b>Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)</b> <small>(32 12 36 13-0001)</small> Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.	
32 12 36 13-0021	SY Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	5.72
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.67
32 12 36 13-0022	SY >200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	5.11
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.67
32 12 36 13-0023	SY >500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	4.79
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.67
32 12 36 13-0024	SY >1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	4.43
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.67
32 12 36 13-0025	SY >5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	4.24
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.67
32 12 36 13-0026	SY >10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.97
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.67
32 12 36 13-0027	SY >20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.79
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.67
32 12 36 13-0028	SY >50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.70
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.67
32 12 36 13-0029	<b>Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)</b> <small>(32 12 36 13-0001)</small> Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.	
32 12 36 13-0030	SY Up To 200 SY, Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	5.80
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.77
32 12 36 13-0031	SY >200 To 500 SY, Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	5.19
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0032 SY >500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.87	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.77</i>	
32 12 36 13-0033 SY >1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.52	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.77</i>	
32 12 36 13-0034 SY >5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.32	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.77</i>	
32 12 36 13-0035 SY >10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.14	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.77</i>	
32 12 36 13-0036 SY >20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	3.87	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.77</i>	
32 12 36 13-0037 SY >50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	3.79	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.77</i>	
<b>32 12 36 13-0038 Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)</b> <sup>(32)</sup>		
<small><sup>12 36 13-0001</sup></small>		
<small>Note: First coat 23 to 30 Pounds Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.</small>		
32 12 36 13-0039 SY Up To 200 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	8.61	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>1.11</i>	
32 12 36 13-0040 SY >200 To 500 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	7.80	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>1.11</i>	
32 12 36 13-0041 SY >500 To 1,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	7.34	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>1.11</i>	
32 12 36 13-0042 SY >1,000 To 5,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	6.80	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>1.11</i>	
32 12 36 13-0043 SY >5,000 To 10,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	6.51	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>1.11</i>	
32 12 36 13-0044 SY >10,000 To 20,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	6.17	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>1.11</i>	
32 12 36 13-0045 SY >20,000 To 50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.89	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>1.11</i>	
32 12 36 13-0046 SY >50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.76	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>1.11</i>	
<b>32 12 36 13-0047 Asphalt Emulsion Seal Coat (Scrub Seal)</b> <sup>(32 12 36 13)</sup>		
<small>Note: Includes initial sweeping prior to placement, cleaning of area, towed broomo sled of scrub brush and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping. See CSI section 32 12 36 13-0084 for fog seal.</small>		
<b>32 12 36 13-0048 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)</b> <sup>(32 12)</sup>		
<small><sup>36 13-0047</sup></small>		
<small>Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.</small>		
32 12 36 13-0049 SY Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.90	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.45</i>	
32 12 36 13-0050 SY >200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.62	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.45</i>	
32 12 36 13-0051 SY >500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.41	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.45</i>	
32 12 36 13-0052 SY >1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.19	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.45</i>	
32 12 36 13-0053 SY >5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.08	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.45</i>	
32 12 36 13-0054 SY >10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	2.98	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.45</i>	
32 12 36 13-0055 SY >20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	2.86	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.45</i>	
32 12 36 13-0056 SY >50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	2.82	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.45</i>	
<b>32 12 36 13-0057 Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)</b> <sup>(32 12 36 13-0047)</sup>		
<small>Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.</small>		
32 12 36 13-0058 SY Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.64	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.56</i>	
32 12 36 13-0059 SY >200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.30	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.56</i>	
32 12 36 13-0060 SY >500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.07	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.56</i>	
32 12 36 13-0061 SY >1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.92	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.56</i>	
32 12 36 13-0062 SY >5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.60	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.56</i>	
32 12 36 13-0063 SY >10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.43	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.56</i>	
32 12 36 13-0064 SY >20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.28	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.56</i>	
32 12 36 13-0065 SY >50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.22	
<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.56</i>	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>32 12 36 13-0066</b>	<b>Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)</b> <small>(32 12 36 13-0047)</small>	
	Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.	
32 12 36 13-0067	SY Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	5.38
	For Each Additional 0.5% Latex Additive, Add .....	0.67
32 12 36 13-0068	SY >200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	4.94
	For Each Additional 0.5% Latex Additive, Add .....	0.67
32 12 36 13-0069	SY >500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	4.63
	For Each Additional 0.5% Latex Additive, Add .....	0.67
32 12 36 13-0070	SY >1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	4.28
	For Each Additional 0.5% Latex Additive, Add .....	0.67
32 12 36 13-0071	SY >5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	4.09
	For Each Additional 0.5% Latex Additive, Add .....	0.67
32 12 36 13-0072	SY >10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	3.82
	For Each Additional 0.5% Latex Additive, Add .....	0.67
32 12 36 13-0073	SY >20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	3.65
	For Each Additional 0.5% Latex Additive, Add .....	0.67
32 12 36 13-0074	SY >50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	3.58
	For Each Additional 0.5% Latex Additive, Add .....	0.67
<b>32 12 36 13-0075</b>	<b>Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)</b> <small>(32 12 36 13-0047)</small>	
	Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.	
32 12 36 13-0076	SY Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	5.46
	For Each Additional 0.5% Latex Additive, Add .....	0.77
32 12 36 13-0077	SY >200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	5.04
	For Each Additional 0.5% Latex Additive, Add .....	0.77
32 12 36 13-0078	SY >500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	4.71
	For Each Additional 0.5% Latex Additive, Add .....	0.77
32 12 36 13-0079	SY >1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	4.34
	For Each Additional 0.5% Latex Additive, Add .....	0.77
32 12 36 13-0080	SY >5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	4.17
	For Each Additional 0.5% Latex Additive, Add .....	0.77
32 12 36 13-0081	SY >10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	4.00
	For Each Additional 0.5% Latex Additive, Add .....	0.77
32 12 36 13-0082	SY >20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	3.74
	For Each Additional 0.5% Latex Additive, Add .....	0.77
32 12 36 13-0083	SY >50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) .....	3.68
	For Each Additional 0.5% Latex Additive, Add .....	0.77
<b>32 12 36 13-0084</b>	<b>Fog Seal, CQS-1h</b> <small>(32 12 36 13)</small>	
	Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.	
32 12 36 13-0085	SY Up To 200 SY, CQS-1h, Fog Seal .....	1.78
32 12 36 13-0086	SY >200 To 500 SY, CQS-1h, Fog Seal .....	1.27
32 12 36 13-0087	SY >500 To 1,000 SY, CQS-1h, Fog Seal .....	1.07
32 12 36 13-0088	SY >1,000 To 5,000 SY, CQS-1h, Fog Seal .....	0.90
32 12 36 13-0089	SY >5,000 To 10,000 SY, CQS-1h, Fog Seal .....	0.82
32 12 36 13-0090	SY >10,000 To 20,000 SY, CQS-1h, Fog Seal .....	0.75
32 12 36 13-0091	SY >20,000 To 50,000 SY, CQS-1h, Fog Seal .....	0.69
32 12 36 13-0092	SY >50,000 SY, CQS-1h, Fog Seal .....	0.66
<b>32 12 36 13-0093</b>	<b>Sand Sealer</b> <small>(32 12 36 13)</small>	
	Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.	
32 12 36 13-0094	SY Up To 200 SY, Sand Seal .....	2.76
32 12 36 13-0095	SY >200 To 500 SY, Sand Seal .....	1.76
32 12 36 13-0096	SY >500 To 1,000 SY, Sand Seal .....	1.76
32 12 36 13-0097	SY >1,000 To 5,000 SY, Sand Seal .....	1.53
32 12 36 13-0098	SY >5,000 To 10,000 SY, Sand Seal .....	1.41
32 12 36 13-0099	SY >10,000 To 20,000 SY, Sand Seal .....	1.31
32 12 36 13-0100	SY >20,000 To 50,000 SY, Sand Seal .....	1.23
32 12 36 13-0101	SY >50,000 SY, Sand Seal .....	1.21
<b>32 12 36 16</b>	<b>Coal Tar Seal Coats</b> <small>(32 12 36)</small>	
<b>32 12 36 16-0001</b>	<b>Thermoplastic Coal-Tar Asphalt Seal</b> <small>(32 12 36 16)</small>	
	Note: Includes sweeping and cleaning of area.	
32 12 36 16-0002	SY Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal .....	13.31
32 12 36 16-0003	SY >500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal .....	12.47
32 12 36 16-0004	SY >1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal .....	10.97
32 12 36 16-0005	SY >5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal .....	9.82
32 12 36 16-0006	SY >20,000 To 50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal .....	8.32
32 12 36 16-0007	SY >50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal .....	6.82
32 12 36 16-0008	SY Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal .....	16.06
32 12 36 16-0009	SY >500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal .....	15.13
32 12 36 16-0010	SY >1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal .....	13.35
32 12 36 16-0011	SY >5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal .....	12.00
32 12 36 16-0012	SY >20,000 To 50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal .....	10.22



<b>Exterior Improvements</b>	<b>32</b>
<b>Bases, Ballasts, and Paving</b>	<b>32 10</b>
<b>Flexible Paving</b>	<b>32 12</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 16-0013 SY >50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	8.44	
<b>32 12 43 Porous Flexible Paving (32 12)</b>		
32 12 43 00-0001 Flexible Recycled Plastic Porous Grid (32 12 43)		
Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.		
32 12 43 00-0002 SY 1" Thick, Recycled Plastic Flexible Pavement With Sand Fill .....	35.85	
Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.		
For Up To 100, Add	12.17	
For >100 To 500, Add	3.07	
For >1,000 To 5,000, Deduct	-1.28	
For >5,000, Deduct	-2.61	
<b>32 12 73 Asphalt Paving Joint Sealants (32 12)</b>		
32 12 73 00-0001 Expansion Joint In Sidewalk (32 12 73)		
32 12 73 00-0002 LF For Hot Asphalt Poured Over Expansion Joint In Sidewalk .....	3.06	
<b>32 13 Rigid Paving (32 10)</b>		
<b>32 13 13 Concrete Paving (32 13)</b>		
Note: The following section includes spreading and placing delivered Portland cement concrete mix.		
<b>32 13 13 33 Plain Concrete Paving (32 13 13)</b>		
32 13 13 33-0001 Concrete Paving Assemblies (32 13 13 33)		
Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.		
32 13 13 33-0002 4,500 PSI Concrete Paving Assembly (32 13 13 33-0001)		
32 13 13 33-0003 SY 4" 4,500 PSI Concrete Paving Assembly .....	54.30	
For 2,500 PSI Concrete, Deduct	-3.08	
For 3,000 PSI Concrete, Deduct	-2.01	
For 3,500 PSI Concrete, Deduct	-1.61	
For 4,000 PSI Concrete, Deduct	-0.70	
For 5,000 PSI Concrete, Add	0.43	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	3.48	
For <12" Wide Pass, Add	9.56	
For 24' Or Greater Wide Pass, Deduct	-10.86	
For Air Entrainment, Add	1.34	
For Slipforming, Deduct	-5.43	
For Up To 100, Add	21.87	
For >100 To 250, Add	12.27	
For >250 To 500, Add	6.14	
For >1,000 To 2,000, Deduct	-1.34	
For >2,000 To 5,000, Deduct	-2.70	
For >5,000 To 10,000, Deduct	-4.05	
For >10,000 To 20,000, Deduct	-5.41	
For >20,000, Deduct	-6.77	
32 13 13 33-0004 SY 5" 4,500 PSI Concrete Paving Assembly .....	64.19	
For 2,500 PSI Concrete, Deduct	-3.87	
For 3,000 PSI Concrete, Deduct	-2.52	
For 3,500 PSI Concrete, Deduct	-2.02	
For 4,000 PSI Concrete, Deduct	-0.87	
For 5,000 PSI Concrete, Add	0.54	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.37	
For <12" Wide Pass, Add	11.01	
For 24' Or Greater Wide Pass, Deduct	-12.84	
For Air Entrainment, Add	1.68	
For Slipforming, Deduct	-6.42	
For Up To 100, Add	25.07	
For >100 To 250, Add	14.22	
For >250 To 500, Add	7.11	
For >1,000 To 2,000, Deduct	-1.68	
For >2,000 To 5,000, Deduct	-3.29	
For >5,000 To 10,000, Deduct	-4.89	
For >10,000 To 20,000, Deduct	-6.49	
For >20,000, Deduct	-8.10	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 13 Rigid Paving**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 13 13 33-0005	SY 6" 4,500 PSI Concrete Paving Assembly.....	68.59
	<i>For 2,500 PSI Concrete, Deduct</i>	-4.08
	<i>For 3,000 PSI Concrete, Deduct</i>	-2.66
	<i>For 3,500 PSI Concrete, Deduct</i>	-2.13
	<i>For 4,000 PSI Concrete, Deduct</i>	-0.92
	<i>For 5,000 PSI Concrete, Add</i>	0.57
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	4.61
	<i>For &lt;12' Wide Pass, Add</i>	11.83
	<i>For 24' Or Greater Wide Pass, Deduct</i>	-13.72
	<i>For Air Entrainment, Add</i>	1.77
	<i>For Slipforming, Deduct</i>	-6.86
	<i>For Up To 100, Add</i>	26.97
	<i>For &gt;100 To 250, Add</i>	15.26
	<i>For &gt;250 To 500, Add</i>	7.63
	<i>For &gt;1,000 To 2,000, Deduct</i>	-1.77
	<i>For &gt;2,000 To 5,000, Deduct</i>	-3.49
	<i>For &gt;5,000 To 10,000, Deduct</i>	-5.20
	<i>For &gt;10,000 To 20,000, Deduct</i>	-6.92
	<i>For &gt;20,000, Deduct</i>	-8.63
32 13 13 33-0006	SY 7" 4,500 PSI Concrete Paving Assembly.....	81.40
	<i>For 2,500 PSI Concrete, Deduct</i>	-5.14
	<i>For 3,000 PSI Concrete, Deduct</i>	-3.35
	<i>For 3,500 PSI Concrete, Deduct</i>	-2.68
	<i>For 4,000 PSI Concrete, Deduct</i>	-1.16
	<i>For 5,000 PSI Concrete, Add</i>	0.72
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	5.81
	<i>For &lt;12' Wide Pass, Add</i>	13.65
	<i>For 24' Or Greater Wide Pass, Deduct</i>	-16.28
	<i>For Air Entrainment, Add</i>	2.24
	<i>For Slipforming, Deduct</i>	-8.14
	<i>For Up To 100, Add</i>	30.96
	<i>For &gt;100 To 250, Add</i>	17.72
	<i>For &gt;250 To 500, Add</i>	8.86
	<i>For &gt;1,000 To 2,000, Deduct</i>	-2.24
	<i>For &gt;2,000 To 5,000, Deduct</i>	-4.27
	<i>For &gt;5,000 To 10,000, Deduct</i>	-6.31
	<i>For &gt;10,000 To 20,000, Deduct</i>	-8.34
	<i>For &gt;20,000, Deduct</i>	-10.38
32 13 13 33-0007	SY 8" 4,500 PSI Concrete Paving Assembly.....	93.10
	<i>For 2,500 PSI Concrete, Deduct</i>	-5.64
	<i>For 3,000 PSI Concrete, Deduct</i>	-3.68
	<i>For 3,500 PSI Concrete, Deduct</i>	-2.94
	<i>For 4,000 PSI Concrete, Deduct</i>	-1.28
	<i>For 5,000 PSI Concrete, Add</i>	0.78
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	6.38
	<i>For &lt;12' Wide Pass, Add</i>	15.92
	<i>For 24' Or Greater Wide Pass, Deduct</i>	-18.62
	<i>For Air Entrainment, Add</i>	2.45
	<i>For Slipforming, Deduct</i>	-9.31
	<i>For Up To 100, Add</i>	36.24
	<i>For &gt;100 To 250, Add</i>	20.57
	<i>For &gt;250 To 500, Add</i>	10.29
	<i>For &gt;1,000 To 2,000, Deduct</i>	-2.45
	<i>For &gt;2,000 To 5,000, Deduct</i>	-4.78
	<i>For &gt;5,000 To 10,000, Deduct</i>	-7.11
	<i>For &gt;10,000 To 20,000, Deduct</i>	-9.44
	<i>For &gt;20,000, Deduct</i>	-11.76
32 13 13 33-0008	SY 9" 4,500 PSI Concrete Paving Assembly.....	105.33
	<i>For 2,500 PSI Concrete, Deduct</i>	-6.52
	<i>For 3,000 PSI Concrete, Deduct</i>	-4.25
	<i>For 3,500 PSI Concrete, Deduct</i>	-3.40
	<i>For 4,000 PSI Concrete, Deduct</i>	-1.47
	<i>For 5,000 PSI Concrete, Add</i>	0.91
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	7.37
	<i>For &lt;12' Wide Pass, Add</i>	17.83
	<i>For 24' Or Greater Wide Pass, Deduct</i>	-21.07
	<i>For Air Entrainment, Add</i>	2.84
	<i>For Slipforming, Deduct</i>	-10.53
	<i>For Up To 100, Add</i>	40.52
	<i>For &gt;100 To 250, Add</i>	23.09
	<i>For &gt;250 To 500, Add</i>	11.55
	<i>For &gt;1,000 To 2,000, Deduct</i>	-2.84
	<i>For &gt;2,000 To 5,000, Deduct</i>	-5.47
	<i>For &gt;5,000 To 10,000, Deduct</i>	-8.10
	<i>For &gt;10,000 To 20,000, Deduct</i>	-10.73
	<i>For &gt;20,000, Deduct</i>	-13.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0009 SY 10" 4,500 PSI Concrete Paving Assembly.....	117.42	
For 2,500 PSI Concrete, Deduct	-7.17	
For 3,000 PSI Concrete, Deduct	-4.68	
For 3,500 PSI Concrete, Deduct	-3.74	
For 4,000 PSI Concrete, Deduct	-1.62	
For 5,000 PSI Concrete, Add	1.00	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	8.11	
For <12' Wide Pass, Add	20.00	
For 24' Or Greater Wide Pass, Deduct	-23.48	
For Air Entrainment, Add	3.12	
For Slipforming, Deduct	-11.74	
For Up To 100, Add	45.50	
For >100 To 250, Add	25.87	
For >250 To 500, Add	12.94	
For >1,000 To 2,000, Deduct	-3.12	
For >2,000 To 5,000, Deduct	-6.05	
For >5,000 To 10,000, Deduct	-8.99	
For >10,000 To 20,000, Deduct	-11.93	
For >20,000, Deduct	-14.86	
32 13 13 33-0010 SY 12" 4,500 PSI Concrete Paving Assembly.....	139.92	
For 2,500 PSI Concrete, Deduct	-8.49	
For 3,000 PSI Concrete, Deduct	-5.54	
For 3,500 PSI Concrete, Deduct	-4.43	
For 4,000 PSI Concrete, Deduct	-1.92	
For 5,000 PSI Concrete, Add	1.18	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	9.60	
For <12' Wide Pass, Add	23.90	
For 24' Or Greater Wide Pass, Deduct	-27.98	
For Air Entrainment, Add	3.69	
For Slipforming, Deduct	-13.99	
For Up To 100, Add	54.41	
For >100 To 250, Add	30.90	
For >250 To 500, Add	15.45	
For >1,000 To 2,000, Deduct	-3.69	
For >2,000 To 5,000, Deduct	-7.19	
For >5,000 To 10,000, Deduct	-10.69	
For >10,000 To 20,000, Deduct	-14.19	
For >20,000, Deduct	-17.68	
32 13 13 33-0011 SY 15" 4,500 PSI Concrete Paving Assembly.....	178.37	
For 2,500 PSI Concrete, Deduct	-10.43	
For 3,000 PSI Concrete, Deduct	-6.80	
For 3,500 PSI Concrete, Deduct	-5.44	
For 4,000 PSI Concrete, Deduct	-2.36	
For 5,000 PSI Concrete, Add	1.45	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	11.79	
For <12' Wide Pass, Add	30.99	
For 24' Or Greater Wide Pass, Deduct	-35.67	
For Air Entrainment, Add	4.53	
For Slipforming, Deduct	-17.84	
For Up To 100, Add	70.75	
For >100 To 250, Add	39.91	
For >250 To 500, Add	19.95	
For >1,000 To 2,000, Deduct	-4.53	
For >2,000 To 5,000, Deduct	-8.99	
For >5,000 To 10,000, Deduct	-13.45	
For >10,000 To 20,000, Deduct	-17.91	
For >20,000, Deduct	-22.37	
<b>32 13 16 Decorative Concrete Paving</b> <small>(32 13)</small>		
<b>32 13 16 13 Patterned Concrete Paving</b> <small>(32 13 16)</small>		
See CSI section 32 17 26 00-0000 for tactile warning surfaces.		
32 13 16 13-0001 SF For Patterned (Tactile) Finish In Concrete Sidewalk.....	4.59	
<b>32 13 43 Pervious Concrete Paving</b> <small>(32 13)</small>		
<b>32 13 43 00-0001 Pervious Concrete Assembly</b> <small>(32 13 43)</small>		
Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.		
32 13 43 00-0002 SF 6" Thick Pervious Concrete Paving.....	16.54	
Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
For >5,000 To 30,000, Deduct	-1.76	
For >30,000 To 100,000, Deduct	-3.20	
For >100,000, Deduct	-3.97	
32 13 43 00-0003 SF 9" Thick Pervious Concrete Paving.....	21.05	
Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
For >5,000 To 30,000, Deduct	-2.17	
For >30,000 To 100,000, Deduct	-3.88	
For >100,000, Deduct	-4.83	
<b>32 13 73 Concrete Paving Joint Sealants</b> <small>(32 13)</small>		

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 13 Rigid Paving**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants (32 13 73)****32 13 73 13-0001 Concrete Pavement Joint And Crack Repair (32 13 73 13)**

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 13-0002 LF Pavement Sealing, Roads Resealing Joints In Concrete Pavements For Roads .....7.35

**32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)****32 13 73 16-0001 Preformed Elastomeric Concrete Pavement Joint And Crack Repair (32 13 73 16)**

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 16-0002 LF Joint Sealing, Concrete Pavement Preformed Elastomeric .....11.66

**32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)****32 13 73 19-0001 Silicone Joint Sealant For Concrete Pavement (32 13 73 19)**

Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.

32 13 73 19-0002	LF	1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	10.02	2.37
32 13 73 19-0003	LF	3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	10.49	2.41
32 13 73 19-0004	LF	1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	11.00	2.46
32 13 73 19-0005	LF	3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	12.66	2.50
32 13 73 19-0006	LF	1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	14.74	2.56
32 13 73 19-0007	LF	1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	17.52	2.61
32 13 73 19-0008	LF	2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	21.63	2.67

**32 14 Unit Paving (32 10)****32 14 09 Paver Restraints (32 14)****32 14 09 00-0001 Paver Restraints (32 14 09)**

Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.

32 14 09 00-0002	LF	Up To 2" Height, Vinyl Paver Restraint .....	4.65	1.01
		For >1,000 To 2,000, Deduct	-0.67	
		For >2,000 To 4,000, Deduct	-0.98	
		For >4,000, Deduct	-1.25	
32 14 09 00-0003	LF	Up To 2" Height, Galvanized Steel Paver Restraint .....	5.06	1.01
		For >500 To 1,000, Deduct	-0.17	
		For >1,000 To 2,000, Deduct	-0.35	
		For >2,000, Deduct	-0.52	
32 14 09 00-0004	LF	Up To 1" Height, Aluminum Paver Restraint .....	4.86	1.01
		For >250 To 500, Deduct	-0.33	
		For >500 To 1,000, Deduct	-0.49	
		For >1,000 To 1,500, Deduct	-0.82	
32 14 09 00-0005	LF	>1" To 2" Height, Aluminum Paver Restraint .....	5.77	1.01
		For >250 To 500, Deduct	-0.42	
		For >500 To 1,000, Deduct	-0.63	
		For >1,000 To 1,500, Deduct	-1.04	
32 14 09 00-0006	LF	>2" To 3" Height, Aluminum Paver Restraint .....	7.53	1.01
		For >250 To 500, Deduct	-0.59	
		For >500 To 1,000, Deduct	-0.89	
		For >1,000 To 1,500, Deduct	-1.48	
32 14 09 00-0007	LF	>3" To 4" Height, Aluminum Paver Restraint .....	8.88	1.01
		For >250 To 500, Deduct	-0.73	
		For >500 To 1,000, Deduct	-1.09	
		For >1,000 To 1,500, Deduct	-1.82	

**32 14 11 Bedding for Unit Paving (32 14)****32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk (32 14 11)**

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 14 11 00-0002	SF	1" To 2" Sand Bedding, Screeded .....	1.08	
		For Up To 100, Add	0.48	
		For >100 To 500, Add	0.14	
		For >1,000 To 5,000, Deduct	-0.08	
		For >5,000, Deduct	-0.13	
32 14 11 00-0003	SF	1" To 2" Stone Dust Bedding, Screeded .....	1.30	
		For Up To 100, Add	0.53	
		For >100 To 500, Add	0.15	
		For >1,000 To 5,000, Deduct	-0.08	
		For >5,000, Deduct	-0.14	
32 14 11 00-0004	SF	3" Stone Dust Bedding, Screeded .....	1.68	
		For Up To 100, Add	0.66	
		For >100 To 500, Add	0.18	
		For >1,000 To 5,000, Deduct	-0.10	
		For >5,000, Deduct	-0.17	





<b>Exterior Improvements</b>	<b>32</b>
<b>Bases, Ballasts, and Paving</b>	<b>32 10</b>
<b>Unit Paving</b>	<b>32 14</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 11 00-0005 SF 4" Stone Dust Bedding, Screeded .....	2.14	
For Up To 100, Add	0.83	
For >100 To 500, Add	0.23	
For >1,000 To 5,000, Deduct	-0.12	
For >5,000, Deduct	-0.21	
32 14 11 00-0006 SF 1" Mortar Bedding .....	3.23	
For Up To 100, Add	1.48	
For >100 To 500, Add	0.43	
For >1,000 To 5,000, Deduct	-0.27	
For >5,000, Deduct	-0.42	
32 14 11 00-0007 SF 2" Mortar Bedding .....	4.68	
For Up To 100, Add	2.06	
For >100 To 500, Add	0.59	
For >1,000 To 5,000, Deduct	-0.36	
For >5,000, Deduct	-0.57	
32 14 11 00-0008 SF Thin-Set Latex Portland Cement Mortar .....	1.77	
For Up To 100, Add	0.80	
For >100 To 500, Add	0.23	
For >1,000 To 5,000, Deduct	-0.14	
For >5,000, Deduct	-0.22	

**32 14 13 Precast Concrete Unit Paving (32 14)**

**32 14 13 16 Precast Concrete Unit Paving Slabs (32 14 13)**

**32 14 13 16-0001 Precast Concrete Paver Sidewalk (32 14 13 16)**

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 13 16-0002 SF 2-3/8" Thick, Up To 32 SI Precast Concrete Paver .....	11.21	3.33
Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	1.01	
For 3-1/8" Concrete Paver, Add	1.64	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.89	
For Up To 100, Add	4.47	
For >100 To 500, Add	1.23	
For >1,000 To 5,000, Deduct	-0.67	
For >5,000, Deduct	-1.14	
32 14 13 16-0003 SF 2-3/8" Thick, >32 to 64 SI Precast Concrete Paver .....	10.61	3.03
Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	0.98	
For 3-1/8" Concrete Paver, Add	1.59	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.83	
For Up To 100, Add	4.17	
For >100 To 500, Add	1.14	
For >1,000 To 5,000, Deduct	-0.61	
For >5,000, Deduct	-1.05	
32 14 13 16-0004 SF 2-3/8" Thick, >64 to 144 SI Precast Concrete Paver .....	10.05	2.41
Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	0.96	
For 3-1/8" Concrete Paver, Add	1.55	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.78	
For Up To 100, Add	3.89	
For >100 To 500, Add	1.05	
For >1,000 To 5,000, Deduct	-0.55	
For >5,000, Deduct	-0.96	
32 14 13 16-0005 SF 2-3/8" Thick, >144 SI Precast Concrete Paver .....	9.55	2.50
Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	0.93	
For 3-1/8" Concrete Paver, Add	1.51	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.73	
For Up To 100, Add	3.64	
For >100 To 500, Add	0.98	
For >1,000 To 5,000, Deduct	-0.50	
For >5,000, Deduct	-0.89	
32 14 13 16-0006 SF 2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns .....	10.32	2.88
Note: Patterns made by combining pavers from two or more size groups.		
For 2-3/4" Concrete Paver, Add	0.97	
For 3-1/8" Concrete Paver, Add	1.57	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.81	
For Up To 100, Add	4.03	
For >100 To 500, Add	1.09	
For >1,000 To 5,000, Deduct	-0.58	
For >5,000, Deduct	-1.00	

**32 14 13 19 Porous Precast Concrete Unit Paving (32 14 13)**

**32 14 13 19-0001 Turf Block (32 14 13 19)**

Note: Grass grid, open-cell unit paver, geoblock.

32 14 13 19-0002 SF 3-1/8" Thick, Precast Concrete Turf Block .....	11.95	2.88
For Up To 100, Add	4.43	
For >100 To 500, Add	1.18	
For >1,000 To 5,000, Deduct	-0.58	
For >5,000, Deduct	-1.05	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 14 Unit Paving**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 14 16 Brick Unit Paving (32 14)****32 14 16 00-0001 Brick Paver Sidewalk (32 14 16)**

Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 16 00-0002	SF	4" x 8" x 2-1/4" Brick Paver, Laid Flat .....	14.79	3.33
		<i>For 1-3/8" Thick Paver, Deduct</i>	-3.18	
		<i>For 2-3/4" Thick Paver (Vehicular), Add</i>	7.26	
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.07	
		<i>For Up To 100, Add</i>	5.37	
		<i>For &gt;100 To 500, Add</i>	1.41	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.67	
		<i>For &gt;5,000, Deduct</i>	-1.24	
32 14 16 00-0003	SF	4" x 8" x 2-1/4" Brick, Laid On Edge.....	22.02	3.80
		<i>For 1-3/8" Thick Paver, Deduct</i>	-5.43	
		<i>For 2-3/4" Thick Paver (Vehicular), Add</i>	12.69	
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.48	
		<i>For Up To 100, Add</i>	7.40	
		<i>For &gt;100 To 500, Add</i>	1.86	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.76	
		<i>For &gt;5,000, Deduct</i>	-1.57	

**32 14 33 Plastic Paving (32 14)****32 14 33 13 Permeable Plastic Paving (32 14 33)****32 14 33 13-0001 Turf Block Plastic Paving (32 14 33 13)**

32 14 33 13-0002	SF	4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block.....	18.03	2.88
		<i>For Up To 100, Add</i>	5.95	
		<i>For &gt;100 To 500, Add</i>	1.48	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.58	
		<i>For &gt;5,000, Deduct</i>	-1.23	

**32 14 40 Stone Paving (32 14)****32 14 40 00-0001 Slate Paver Sidewalk (32 14 40)**

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0002	SF	1" Thick, Up to 54 SI Slate Paver.....	15.83	2.76
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.07	
		<i>For 1/4" Thick Paver, Deduct</i>	-7.98	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.57	
		<i>For Up To 100, Add</i>	5.34	
		<i>For &gt;100 To 500, Add</i>	1.34	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.55	
		<i>For &gt;5,000, Deduct</i>	-1.14	
32 14 40 00-0003	SF	1" Thick, >54 to 108 SI Slate Paver .....	15.33	2.50
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.02	
		<i>For 1/4" Thick Paver, Deduct</i>	-7.86	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.50	
		<i>For Up To 100, Add</i>	5.09	
		<i>For &gt;100 To 500, Add</i>	1.27	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.50	
		<i>For &gt;5,000, Deduct</i>	-1.06	
32 14 40 00-0004	SF	1" Thick, >108 to 216 SI Slate Paver .....	14.46	2.07
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.93	
		<i>For 1/4" Thick Paver, Deduct</i>	-7.64	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.37	
		<i>For Up To 100, Add</i>	4.65	
		<i>For &gt;100 To 500, Add</i>	1.14	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.41	
		<i>For &gt;5,000, Deduct</i>	-0.93	
32 14 40 00-0005	SF	1" Thick, >216 SI Slate Paver .....	14.09	1.88
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.89	
		<i>For 1/4" Thick Paver, Deduct</i>	-7.55	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.31	
		<i>For Up To 100, Add</i>	4.47	
		<i>For &gt;100 To 500, Add</i>	1.08	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.38	
		<i>For &gt;5,000, Deduct</i>	-0.88	
32 14 40 00-0006	SF	1" Thick, Slate Paver, Combinations And Patterns.....	14.86	2.27
		Note: Patterns made by combining pavers from two or more size groups.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.97	
		<i>For 1/4" Thick Paver, Deduct</i>	-7.74	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.43	
		<i>For Up To 100, Add</i>	4.85	
		<i>For &gt;100 To 500, Add</i>	1.20	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.45	
		<i>For &gt;5,000, Deduct</i>	-0.99	



<b>Exterior Improvements</b>	<b>32</b>
<b>Bases, Ballasts, and Paving</b>	<b>32 10</b>
<b>Unit Paving</b>	<b>32 14</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**32 14 40 00-0007**

**Granite Paver Sidewalk** (32 14 40)

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver .....	22.27	2.76
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.39	
		<i>For 2" Granite Paver, Add</i>	1.11	
		<i>For 3" Granite Paver, Add</i>	2.23	
		<i>For 4" Granite Paver, Add</i>	2.50	
		<i>For Up To 100, Add</i>	6.95	
		<i>For &gt;100 To 500, Add</i>	1.66	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.55	
		<i>For &gt;5,000, Deduct</i>	-1.33	
32 14 40 00-0009	SF	1" Thick, >54 to 108 SI Granite Paver .....	21.77	2.50
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.34	
		<i>For 2" Granite Paver, Add</i>	1.09	
		<i>For 3" Granite Paver, Add</i>	2.18	
		<i>For 4" Granite Paver, Add</i>	2.43	
		<i>For Up To 100, Add</i>	6.70	
		<i>For &gt;100 To 500, Add</i>	1.59	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.50	
		<i>For &gt;5,000, Deduct</i>	-1.25	
32 14 40 00-0010	SF	1" Thick, >108 to 216 SI Granite Paver .....	20.90	2.07
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.25	
		<i>For 2" Granite Paver, Add</i>	1.05	
		<i>For 3" Granite Paver, Add</i>	2.09	
		<i>For 4" Granite Paver, Add</i>	2.30	
		<i>For Up To 100, Add</i>	6.26	
		<i>For &gt;100 To 500, Add</i>	1.46	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.41	
		<i>For &gt;5,000, Deduct</i>	-1.12	
32 14 40 00-0011	SF	1" Thick, >216 SI Granite Paver .....	20.53	1.88
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.22	
		<i>For 2" Granite Paver, Add</i>	1.03	
		<i>For 3" Granite Paver, Add</i>	2.05	
		<i>For 4" Granite Paver, Add</i>	2.24	
		<i>For Up To 100, Add</i>	6.08	
		<i>For &gt;100 To 500, Add</i>	1.40	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.38	
		<i>For &gt;5,000, Deduct</i>	-1.07	
32 14 40 00-0012	SF	1" Thick, Granite Paver, Combinations And Patterns .....	21.30	2.27
		Note: Patterns made by combining pavers from two or more size groups.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.29	
		<i>For 2" Granite Paver, Add</i>	1.07	
		<i>For 3" Granite Paver, Add</i>	2.13	
		<i>For 4" Granite Paver, Add</i>	2.36	
		<i>For Up To 100, Add</i>	6.46	
		<i>For &gt;100 To 500, Add</i>	1.52	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.45	
		<i>For &gt;5,000, Deduct</i>	-1.18	

**32 15 Aggregate Surfacing** (32 10)

**32 15 40 Crushed Stone Surfacing** (32 15)

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 15 40 00-0001	CY	Gravel Surfacing And Spreading <small>(32 15 40)</small>		
		Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0002	CY	Gravel Surfacing And Spreading .....	89.28	
32 15 40 00-0003	CY	Limestone Screenings <small>(32 15 40)</small>		
		Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.		
32 15 40 00-0004	CY	Limestone Screenings For Trail .....	53.36	
32 15 40 00-0005	CY	Decomposed Granite <small>(32 15 40)</small>		
		Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0006	SY	3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway .....	18.37	
		Note: Placed in 2 lifts.		
		<i>For Additional 2"</i>	9.19	
		<i>For &gt;45 To 180, Deduct</i>	-1.23	
		<i>For &gt;180 To 450, Deduct</i>	-1.55	
		<i>For &gt;450, Deduct</i>	-1.87	

**32 16 Curbs, Gutters, Sidewalks, and Driveways** (32 10)

**32 16 13 Curbs and Gutters** (32 16)

<b>32</b>	<b>Exterior Improvements</b>
<b>32 10</b>	<b>Bases, Ballasts, and Paving</b>
<b>32 16</b>	<b>Curbs, Gutters, Sidewalks, and Driveways</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.

**32 16 13 13 Cast-In-Place Concrete Curbs and Gutters** (32 16 13)

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

**32 16 13 13-0001 Cast In Place Concrete Curbs** (32 16 13 13)

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0002	LF 6" x 12" Cast In Place Concrete Curb (Type A1-6)	18.95	9.95
	For Mountable Curb, Add	1.42	
	For Up To 20, Add	11.75	
	For >20 To 50, Add	6.67	
	For >50 To 100, Add	2.54	
	For >500 To 1,000, Deduct	-2.54	
	For >1,000, Deduct	-4.28	
32 16 13 13-0003	LF 6" x 12" Cast In Place Concrete Curb - Radius (Type A1-6)	21.74	11.44
	For Mountable Curb, Add	1.66	
	For Up To 20, Add	13.55	
	For >20 To 50, Add	7.69	
	For >50 To 100, Add	2.93	
	For >500 To 1,000, Deduct	-2.93	
	For >1,000, Deduct	-4.93	
32 16 13 13-0004	LF 6" x 14" Cast In Place Concrete Curb (Type A1-8)	20.82	9.95
	For Mountable Curb, Add	1.55	
	For Up To 20, Add	12.86	
	For >20 To 50, Add	7.30	
	For >50 To 100, Add	2.78	
	For >500 To 1,000, Deduct	-2.78	
	For >1,000, Deduct	-4.69	
32 16 13 13-0005	LF 6" x 14" Cast In Place Concrete Curb - Radius (Type A1-8)	23.90	11.44
	For Mountable Curb, Add	1.81	
	For Up To 20, Add	14.85	
	For >20 To 50, Add	8.43	
	For >50 To 100, Add	3.21	
	For >500 To 1,000, Deduct	-3.21	
	For >1,000, Deduct	-5.41	
32 16 13 13-0006	LF 6" x 16" Cast In Place Concrete Curb	22.90	9.95
	For Mountable Curb, Add	1.67	
	For Up To 20, Add	14.03	
	For >20 To 50, Add	7.96	
	For >50 To 100, Add	3.04	
	For >500 To 1,000, Deduct	-3.04	
	For >1,000, Deduct	-5.13	
32 16 13 13-0007	LF 6" x 16" Cast In Place Concrete Curb - Radius	26.21	14.92
	For Mountable Curb, Add	1.95	
	For Up To 20, Add	16.18	
	For >20 To 50, Add	9.19	
	For >50 To 100, Add	3.50	
	For >500 To 1,000, Deduct	-3.50	
	For >1,000, Deduct	-5.90	
32 16 13 13-0008	LF 6" x 18" Cast In Place Concrete Curb	24.55	9.95
	For Mountable Curb, Add	1.77	
	For Up To 20, Add	14.96	
	For >20 To 50, Add	8.49	
	For >50 To 100, Add	3.24	
	For >500 To 1,000, Deduct	-3.24	
	For >1,000, Deduct	-5.47	
32 16 13 13-0009	LF 6" x 18" Cast In Place Concrete Curb - Radius	27.77	11.44
	For Mountable Curb, Add	2.02	
	For Up To 20, Add	16.99	
	For >20 To 50, Add	9.64	
	For >50 To 100, Add	3.68	
	For >500 To 1,000, Deduct	-3.68	
	For >1,000, Deduct	-6.21	
32 16 13 13-0010	LF 6" x 24" Cast In Place Concrete Curb	28.11	10.95
	For Mountable Curb, Add	1.88	
	For Up To 20, Add	16.68	
	For >20 To 50, Add	9.44	
	For >50 To 100, Add	3.62	
	For >500 To 1,000, Deduct	-3.62	
	For >1,000, Deduct	-6.13	
32 16 13 13-0011	LF 6" x 24" Cast In Place Concrete Curb - Radius	31.47	12.43
	For Mountable Curb, Add	2.12	
	For Up To 20, Add	18.73	
	For >20 To 50, Add	10.61	
	For >50 To 100, Add	4.06	
	For >500 To 1,000, Deduct	-4.06	
	For >1,000, Deduct	-6.88	
32 16 13 13-0012	LF 12" x 24" Cast In Place Concrete Curb	36.26	12.43
	For Mountable Curb, Add	1.86	
	For Up To 20, Add	19.69	
	For >20 To 50, Add	11.09	
	For >50 To 100, Add	4.30	
	For >500 To 1,000, Deduct	-4.30	
	For >1,000, Deduct	-7.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0013 LF 12" x 24" Cast In Place Concrete Curb - Radius.....	40.38	13.92
For Mountable Curb, Add	2.10	
For Up To 20, Add	22.01	
For >20 To 50, Add	12.40	
For >50 To 100, Add	4.81	
For >500 To 1,000, Deduct	-4.81	
For >1,000, Deduct	-8.22	
32 16 13 13-0014 EA Additional Finish For Handicap Drop Section In Curb.....	74.60	
<b>32 16 13 13-0015 Cast In Place Concrete Curb And Gutter</b> <small>(32 16 13 13)</small>		
Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.		
32 16 13 13-0016 LF 6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	25.83	11.99
For Up To 20, Add	17.60	
For >20 To 50, Add	9.85	
For >50 To 100, Add	3.87	
For >500 To 1,000, Deduct	-3.39	
For >1,000, Deduct	-5.73	
For Mountable Or Rolled Curb And Gutter, Add	1.83	
32 16 13 13-0017 LF 6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	28.17	15.99
For Up To 20, Add	19.20	
For >20 To 50, Add	10.75	
For >50 To 100, Add	4.23	
For >500 To 1,000, Deduct	-3.71	
For >1,000, Deduct	-6.26	
For Mountable Or Rolled Curb And Gutter, Add	2.01	
32 16 13 13-0018 LF 6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	32.80	13.29
For Up To 20, Add	22.33	
For >20 To 50, Add	12.49	
For >50 To 100, Add	4.92	
For >500 To 1,000, Deduct	-4.29	
For >1,000, Deduct	-7.25	
For Mountable Or Rolled Curb And Gutter, Add	2.30	
32 16 13 13-0019 LF 6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	36.27	14.79
For Up To 20, Add	24.71	
For >20 To 50, Add	13.83	
For >50 To 100, Add	5.44	
For >500 To 1,000, Deduct	-4.76	
For >1,000, Deduct	-8.05	
For Mountable Or Rolled Curb And Gutter, Add	2.57	
32 16 13 13-0020 LF 6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight (Type A3-6).....	39.77	15.99
For Up To 20, Add	27.06	
For >20 To 50, Add	15.13	
For >50 To 100, Add	5.97	
For >500 To 1,000, Deduct	-5.19	
For >1,000, Deduct	-8.77	
For Mountable Or Rolled Curb And Gutter, Add	2.77	
32 16 13 13-0021 LF 6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius (Type A3-6).....	44.35	17.99
For Up To 20, Add	30.21	
For >20 To 50, Add	16.90	
For >50 To 100, Add	6.65	
For >500 To 1,000, Deduct	-5.81	
For >1,000, Deduct	-9.83	
For Mountable Or Rolled Curb And Gutter, Add	3.13	
32 16 13 13-0022 LF 6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	47.25	18.98
For Up To 20, Add	32.15	
For >20 To 50, Add	17.97	
For >50 To 100, Add	7.09	
For >500 To 1,000, Deduct	-6.16	
For >1,000, Deduct	-10.42	
For Mountable Or Rolled Curb And Gutter, Add	3.29	
32 16 13 13-0023 LF 6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	51.95	20.99
For Up To 20, Add	35.37	
For >20 To 50, Add	19.78	
For >50 To 100, Add	7.79	
For >500 To 1,000, Deduct	-6.79	
For >1,000, Deduct	-11.49	
For Mountable Or Rolled Curb And Gutter, Add	3.65	
32 16 13 13-0024 LF 6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	54.72	21.98
For Up To 20, Add	37.23	
For >20 To 50, Add	20.81	
For >50 To 100, Add	8.21	
For >500 To 1,000, Deduct	-7.13	
For >1,000, Deduct	-12.07	
For Mountable Or Rolled Curb And Gutter, Add	3.80	
32 16 13 13-0025 LF 6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	59.55	23.98
For Up To 20, Add	40.53	
For >20 To 50, Add	22.66	
For >50 To 100, Add	8.93	
For >500 To 1,000, Deduct	-7.77	
For >1,000, Deduct	-13.15	
For Mountable Or Rolled Curb And Gutter, Add	4.16	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0026 LF 6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	62.19	24.98
For Up To 20, Add	42.31	
For >20 To 50, Add	23.65	
For >50 To 100, Add	9.33	
For >500 To 1,000, Deduct	-8.10	
For >1,000, Deduct	-13.71	
For Mountable Or Rolled Curb And Gutter, Add	4.32	
32 16 13 13-0027 LF 6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius .....	69.15	27.97
For Up To 20, Add	47.09	
For >20 To 50, Add	26.34	
For >50 To 100, Add	10.37	
For >500 To 1,000, Deduct	-9.05	
For >1,000, Deduct	-15.31	
For Mountable Or Rolled Curb And Gutter, Add	4.87	
<b>32 16 13 14 Machine Formed, Slip Form Curbs (32 16 13)</b>		
Note: Includes delivered concrete, steel, expansion joints and finish.		
<b>32 16 13 14-0001 Curbs, Machine Formed, Slip Form (32 16 13 14)</b>		
Note: Includes delivered concrete, steel, expansion joints and finish.		
32 16 13 14-0002 EA Machine Formed Concrete Curb Minimum Set-Up Charge (One Time Per Job).....	1,433.45	
Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.		
32 16 13 14-0003 LF 6" x 12" Straight Concrete Curb, Machine Formed .....	11.38	
32 16 13 14-0004 LF 6" x 12" Curved Concrete Curb, Machine Formed.....	15.69	
32 16 13 14-0005 LF 6" x 18" Straight Concrete Curb, Machine Formed .....	15.01	
32 16 13 14-0006 LF 6" x 18" Curved Concrete Curb, Machine Formed.....	20.13	
<b>32 16 13 19 Cast-In-Place Concrete Drainage Ditches (32 16 13)</b>		
Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.		
<b>32 16 13 19-0001 Valley Gutter, Cast In Place (32 16 13 19)</b>		
Note: Includes concrete, forms, rebar, expansion joints, finish and curing.		
32 16 13 19-0002 LF 2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	20.32	
For Up To 20, Add	9.54	
For >20 To 50, Add	5.32	
For >50 To 100, Add	2.11	
For >500 To 1,000, Deduct	-2.11	
For >1,000, Deduct	-3.67	
32 16 13 19-0003 LF 2-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	24.88	
For Up To 20, Add	11.56	
For >20 To 50, Add	6.44	
For >50 To 100, Add	2.56	
For >500 To 1,000, Deduct	-2.56	
For >1,000, Deduct	-4.46	
32 16 13 19-0004 LF 3' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	29.41	
For Up To 20, Add	13.56	
For >20 To 50, Add	7.55	
For >50 To 100, Add	3.01	
For >500 To 1,000, Deduct	-3.01	
For >1,000, Deduct	-5.25	
32 16 13 19-0005 LF 3-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	33.91	
For Up To 20, Add	15.54	
For >20 To 50, Add	8.64	
For >50 To 100, Add	3.45	
For >500 To 1,000, Deduct	-3.45	
For >1,000, Deduct	-6.02	
32 16 13 19-0006 LF 4' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	38.42	
For Up To 20, Add	17.52	
For >20 To 50, Add	9.75	
For >50 To 100, Add	3.89	
For >500 To 1,000, Deduct	-3.89	
For >1,000, Deduct	-6.79	
32 16 13 19-0007 LF 5' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	45.56	
For Up To 20, Add	20.18	
For >20 To 50, Add	11.20	
For >50 To 100, Add	4.49	
For >500 To 1,000, Deduct	-4.49	
For >1,000, Deduct	-7.88	
32 16 13 19-0008 LF 6' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	52.43	
For Up To 20, Add	22.65	
For >20 To 50, Add	12.54	
For >50 To 100, Add	5.05	
For >500 To 1,000, Deduct	-5.05	
For >1,000, Deduct	-8.89	
32 16 13 19-0009 SF >6' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	8.73	
For Up To 100, Add	3.77	
For >100 To 250, Add	2.09	
For >250 To 500, Add	0.84	
For >2,500 To 5,000, Deduct	-0.84	
For >5,000, Deduct	-1.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0010 LF 2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	22.30	
<i>For Up To 20, Add</i>	10.22	
<i>For &gt;20 To 50, Add</i>	5.69	
<i>For &gt;50 To 100, Add</i>	2.27	
<i>For &gt;500 To 1,000, Deduct</i>	-2.27	
<i>For &gt;1,000, Deduct</i>	-3.96	
32 16 13 19-0011 LF 2-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	27.54	
<i>For Up To 20, Add</i>	12.54	
<i>For &gt;20 To 50, Add</i>	6.97	
<i>For &gt;50 To 100, Add</i>	2.78	
<i>For &gt;500 To 1,000, Deduct</i>	-2.78	
<i>For &gt;1,000, Deduct</i>	-4.86	
32 16 13 19-0012 LF 3' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	32.37	
<i>For Up To 20, Add</i>	14.57	
<i>For &gt;20 To 50, Add</i>	8.10	
<i>For &gt;50 To 100, Add</i>	3.24	
<i>For &gt;500 To 1,000, Deduct</i>	-3.24	
<i>For &gt;1,000, Deduct</i>	-5.67	
32 16 13 19-0013 LF 3-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	37.36	
<i>For Up To 20, Add</i>	16.72	
<i>For &gt;20 To 50, Add</i>	9.28	
<i>For &gt;50 To 100, Add</i>	3.72	
<i>For &gt;500 To 1,000, Deduct</i>	-3.72	
<i>For &gt;1,000, Deduct</i>	-6.51	
32 16 13 19-0014 LF 4' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	42.33	
<i>For Up To 20, Add</i>	18.85	
<i>For &gt;20 To 50, Add</i>	10.46	
<i>For &gt;50 To 100, Add</i>	4.19	
<i>For &gt;500 To 1,000, Deduct</i>	-4.19	
<i>For &gt;1,000, Deduct</i>	-7.35	
32 16 13 19-0015 LF 5' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	50.32	
<i>For Up To 20, Add</i>	21.75	
<i>For &gt;20 To 50, Add</i>	12.04	
<i>For &gt;50 To 100, Add</i>	4.85	
<i>For &gt;500 To 1,000, Deduct</i>	-4.85	
<i>For &gt;1,000, Deduct</i>	-8.54	
32 16 13 19-0016 LF 6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	58.01	
<i>For Up To 20, Add</i>	24.44	
<i>For &gt;20 To 50, Add</i>	13.50	
<i>For &gt;50 To 100, Add</i>	5.47	
<i>For &gt;500 To 1,000, Deduct</i>	-5.47	
<i>For &gt;1,000, Deduct</i>	-9.65	
32 16 13 19-0017 SF >6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	9.67	
<i>For Up To 100, Add</i>	4.07	
<i>For &gt;100 To 250, Add</i>	2.25	
<i>For &gt;250 To 500, Add</i>	0.91	
<i>For &gt;2,500 To 5,000, Deduct</i>	-0.91	
<i>For &gt;5,000, Deduct</i>	-1.61	
32 16 13 19-0018 LF 2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	22.48	
<i>For Up To 20, Add</i>	10.56	
<i>For &gt;20 To 50, Add</i>	5.89	
<i>For &gt;50 To 100, Add</i>	2.34	
<i>For &gt;500 To 1,000, Deduct</i>	-2.34	
<i>For &gt;1,000, Deduct</i>	-4.07	
32 16 13 19-0019 LF 2-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	27.57	
<i>For Up To 20, Add</i>	12.83	
<i>For &gt;20 To 50, Add</i>	7.15	
<i>For &gt;50 To 100, Add</i>	2.84	
<i>For &gt;500 To 1,000, Deduct</i>	-2.84	
<i>For &gt;1,000, Deduct</i>	-4.95	
32 16 13 19-0020 LF 3' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	32.57	
<i>For Up To 20, Add</i>	15.03	
<i>For &gt;20 To 50, Add</i>	8.37	
<i>For &gt;50 To 100, Add</i>	3.33	
<i>For &gt;500 To 1,000, Deduct</i>	-3.33	
<i>For &gt;1,000, Deduct</i>	-5.81	
32 16 13 19-0021 LF 3-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	37.58	
<i>For Up To 20, Add</i>	17.25	
<i>For &gt;20 To 50, Add</i>	9.60	
<i>For &gt;50 To 100, Add</i>	3.83	
<i>For &gt;500 To 1,000, Deduct</i>	-3.83	
<i>For &gt;1,000, Deduct</i>	-6.68	
32 16 13 19-0022 LF 4' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	42.59	
<i>For Up To 20, Add</i>	19.46	
<i>For &gt;20 To 50, Add</i>	10.82	
<i>For &gt;50 To 100, Add</i>	4.32	
<i>For &gt;500 To 1,000, Deduct</i>	-4.32	
<i>For &gt;1,000, Deduct</i>	-7.54	
32 16 13 19-0023 LF 5' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	50.49	
32 16 13 19-0024 LF 6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	58.08	
32 16 13 19-0025 SF >6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	9.68	
<i>For Up To 100, Add</i>	4.19	
<i>For &gt;100 To 250, Add</i>	2.32	
<i>For &gt;250 To 500, Add</i>	0.93	
<i>For &gt;2,500 To 5,000, Deduct</i>	-0.93	
<i>For &gt;5,000, Deduct</i>	-1.64	

<b>32</b>	<b>Exterior Improvements</b>
<b>32 10</b>	<b>Bases, Ballasts, and Paving</b>
<b>32 16</b>	<b>Curbs, Gutters, Sidewalks, and Driveways</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

### 32 16 13 23 Precast Concrete Curbs and Gutters (32 16 13)

CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 23-0001 Precast Concrete Curb (32 16 13 23)		
32 16 13 23-0002 LF 6" x 18" Precast Concrete Curb .....	38.75	9.41
32 16 13 23-0003 LF 6" x 18" Precast Concrete Curb, Radius .....	46.16	10.82
32 16 13 23-0004 LF 6" x 20" Precast Concrete Curb .....	41.03	9.41
32 16 13 23-0005 LF 6" x 20" Precast Concrete Curb, Radius .....	49.18	10.82
32 16 13 23-0006 LF 7" x 18" Precast Concrete Curb .....	42.07	9.41
32 16 13 23-0007 LF 7" x 18" Precast Concrete Curb, Radius .....	50.38	10.82
32 16 13 23-0008 LF 7" x 20" Precast Concrete Curb .....	44.65	9.41
32 16 13 23-0009 LF 7" x 20" Precast Concrete Curb, Radius .....	53.65	10.82

### 32 16 13 33 Asphalt Curbs (32 16 13)

CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 33-0001 Asphalt Curbs (32 16 13 33)		
32 16 13 33-0002 LF 6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain .....	12.18	5.21
32 16 13 33-0003 LF 8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain .....	13.66	5.79
32 16 13 33-0004 LF 8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain .....	15.05	6.36

### 32 16 13 43 Stone Curbs (32 16 13)

CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 43-0001 Remove And Reset Stone And Precast Curbing (32 16 13 43)		
Note: Includes storage and cleaning.		
32 16 13 43-0002 LF Removal And Resetting Of Stone Or Precast Curbing .....	36.69	
Note: Includes storage and cleaning.		

### 32 16 23 Sidewalks (32 16)

CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0001 Cast In Place Concrete Sidewalk (32 16 23)		
Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 02 41 13 13-0000 for sidewalk removal, 03 05 13 00-0001 for color additive, 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0081 for buggies, 03 31 13 00-0088 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 31 23 16 36-0000 for excavation, 32 11 23 16-0001 for base course.		
32 16 23 00-0002 SF 4" Cast In Place Concrete Sidewalk .....	8.81	
For Up To 100, Add	3.81	
For >100 To 500, Add	1.08	
For >1,000 To 5,000, Deduct	-0.64	
For >5,000, Deduct	-1.41	
For Welded Wire Reinforcement, Add	0.80	
32 16 23 00-0003 SF 5" Cast In Place Concrete Sidewalk .....	9.54	
For Up To 100, Add	4.05	
For >100 To 500, Add	1.14	
For >1,000 To 5,000, Deduct	-0.67	
For >5,000, Deduct	-1.48	
For Welded Wire Reinforcement, Add	0.80	
32 16 23 00-0004 SF 6" Cast In Place Concrete Sidewalk .....	10.29	
For Up To 100, Add	4.30	
For >100 To 500, Add	1.21	
For >1,000 To 5,000, Deduct	-0.69	
For >5,000, Deduct	-1.55	
For Welded Wire Reinforcement, Add	0.80	
32 16 23 00-0005 SF 7" Cast In Place Concrete Sidewalk .....	12.00	
For Up To 100, Add	4.96	
For >100 To 500, Add	1.38	
For >1,000 To 5,000, Deduct	-0.78	
For >5,000, Deduct	-1.78	
For Welded Wire Reinforcement, Add	0.80	
32 16 23 00-0006 SF 8" Cast In Place Concrete Sidewalk .....	12.64	
For Up To 100, Add	5.16	
For >100 To 500, Add	1.43	
For >1,000 To 5,000, Deduct	-0.80	
For >5,000, Deduct	-1.83	
For Welded Wire Reinforcement, Add	0.80	
32 16 23 00-0007 SF For Exposed Aggregate Finish In Sidewalk .....	2.29	
32 16 23 00-0008 EA Finish Concrete Handicap Drop Section In Sidewalk .....	137.66	
Note: Excludes patterned (tactile) finish.		
32 16 23 00-0009 Bituminous Sidewalk (32 16 23)		
Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 32 11 23 16-0001 for base course.		
32 16 23 00-0010 SY 1" Bituminous Sidewalk .....	7.92	
For Up To 100, Add	3.07	
For >100 To 500, Add	0.83	
For >1,000 To 5,000, Deduct	-0.44	
For >5,000, Deduct	-0.83	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0011 SY 1-1/2" Bituminous Sidewalk .....	9.89	
For Up To 100, Add	3.78	
For >100 To 500, Add	1.02	
For >1,000 To 5,000, Deduct	-0.52	
For >5,000, Deduct	-1.02	
32 16 23 00-0012 SY 2" Bituminous Sidewalk .....	13.59	
For Up To 100, Add	5.02	
For >100 To 500, Add	1.33	
For >1,000 To 5,000, Deduct	-0.65	
For >5,000, Deduct	-1.33	
32 16 23 00-0013 SY 2-1/2" Bituminous Sidewalk .....	16.98	
For Up To 100, Add	6.26	
For >100 To 500, Add	1.65	
For >1,000 To 5,000, Deduct	-0.80	
For >5,000, Deduct	-1.65	
32 16 23 00-0014 SY 3" Bituminous Sidewalk .....	19.45	
For Up To 100, Add	7.04	
For >100 To 500, Add	1.84	
For >1,000 To 5,000, Deduct	-0.87	
For >5,000, Deduct	-1.84	
32 16 23 00-0015 SY 3-1/2" Bituminous Sidewalk .....	22.39	
For Up To 100, Add	8.00	
For >100 To 500, Add	2.08	
For >1,000 To 5,000, Deduct	-0.96	
For >5,000, Deduct	-2.08	

**32 16 43 Asphalt Dike (32 16)**

**32 16 43 00-0001 Asphalt Dike (32 16 43)**

32 16 43 00-0002 LF Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height .....	6.14	
32 16 43 00-0003 LF Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height .....	8.34	
32 16 43 00-0004 LF Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height .....	8.34	
32 16 43 00-0005 LF Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height .....	11.82	
32 16 43 00-0006 LF Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height .....	13.97	
32 16 43 00-0007 LF Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height .....	3.42	
32 16 43 00-0008 LF Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back .....	8.61	
32 16 43 00-0009 LF Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back .....	13.31	
32 16 43 00-0010 LF CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height .....	6.14	
32 16 43 00-0011 LF CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height .....	3.42	
32 16 43 00-0012 LF CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back .....	13.31	
32 16 43 00-0013 LF CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back .....	8.61	
32 16 43 00-0014 LF CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height .....	4.95	

**32 17 Paving Specialties (32 10)**

**32 17 13 Parking Bumpers (32 17)**

Note: Includes dowels set.

**32 17 13 16 Plastic Parking Bumpers (32 17 13)**

32 17 13 16-0001 EA 4" x 6" x 4' Recycled Plastic Wheel Stop .....	165.74	6.60
32 17 13 16-0002 EA 4" x 6" x 6' Recycled Plastic Wheel Stop .....	187.79	6.60

**32 17 13 19 Precast Concrete Parking Bumpers (32 17 13)**

32 17 13 19-0001 EA 6" x 8" x 4' Precast Concrete Wheel Stop With Dowels .....	59.19	19.87
32 17 13 19-0002 EA 6" x 6" x 6' Precast Concrete Wheel Stop With Dowels .....	69.04	19.87
32 17 13 19-0003 EA 6" x 8" x 6' Precast Concrete Wheel Stop With Dowels .....	70.67	19.87
32 17 13 19-0004 EA 6" x 10" x 6' Precast Concrete Wheel Stop With Dowels .....	74.05	19.87
32 17 13 19-0005 EA 8" x 4-1/2" x 6' Precast Concrete Wheel Stop With Dowels .....	69.04	19.87
32 17 13 19-0006 EA 8" x 13" x 6' Precast Concrete Wheel Stop With Dowels .....	87.64	19.87
32 17 13 19-0007 EA Removal And Relocation Of Precast Concrete Wheel Stop .....	31.79	
32 17 13 19-0008 EA Removal And Relocation Of Plastic Or Wood Wheel Stop .....	20.67	

**32 17 13 23 Rubber Parking Bumpers (32 17 13)**

32 17 13 23-0001 EA 3' Recycled Rubber Wheel Stop .....	27.34	6.60
32 17 13 23-0002 EA 4' Recycled Rubber Wheel Stop .....	31.72	6.60
32 17 13 23-0003 EA 5' Recycled Rubber Wheel Stop .....	33.48	6.60
32 17 13 23-0004 EA 6' Recycled Rubber Wheel Stop .....	36.11	6.60

**32 17 13 26 Wood Parking Bumpers (32 17 13)**

32 17 13 26-0001 LF 4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated .....	10.89	1.59
32 17 13 26-0002 LF 6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated .....	15.24	1.59

**32 17 16 Manufactured Traffic-Calming Devices (32 17)**

**32 17 16 00-0001 Modular Rubber Speed Tables (32 17 16)**

Note: 3" high flat topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 16 00-0002 SF Up To 24' Road Width x 7' Run Modular Rubber Speed Table.....	62.84	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0003 SF Up To 24' Road Width x 14' Run Modular Rubber Speed Table.....	54.90	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0004 SF Up To 24' Road Width x 21' Run Modular Rubber Speed Table.....	51.54	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0005 SF >24' To 30' Road Width x 7' Run Modular Rubber Speed Table.....	60.14	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0006 SF >24' To 30' Road Width x 14' Run Modular Rubber Speed Table.....	52.91	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0007 SF >24' To 30' Road Width x 21' Run Modular Rubber Speed Table.....	49.92	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0008 SF >30' To 40' Road Width x 7' Run Modular Rubber Speed Table.....	57.45	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0009 SF >30' To 40' Road Width x 14' Run Modular Rubber Speed Table.....	51.32	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0010 SF >30' To 40' Road Width x 21' Run Modular Rubber Speed Table.....	48.59	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
<b>32 17 16 00-0011 Asphalt Speed Table</b> <small>(32 17 16)</small>		
Note: Excludes pavement markings or reflectors.		
32 17 16 00-0012 LF Up to 36" Wide Asphalt Speed Table With 3" Center Crown .....	33.54	
Note: Tapered on edges to roadway.		
32 17 16 00-0013 LF >36" To 48" Wide Asphalt Speed Table With 3" Center Crown .....	39.49	
Note: Tapered on edges to roadway.		
32 17 16 00-0014 LF Up to 36" Wide Asphalt Speed Table With 4" Center Crown .....	42.11	
Note: Tapered on edges to roadway.		
32 17 16 00-0015 LF >36" To 48" Wide Asphalt Speed Table With 4" Center Crown .....	49.62	
Note: Tapered on edges to roadway.		
32 17 16 00-0016 LF Up to 36" Wide Asphalt Speed Table With 6" Center Crown .....	51.83	
Note: Tapered on edges to roadway.		
32 17 16 00-0017 LF >36" To 48" Wide Asphalt Speed Table With 6" Center Crown .....	57.79	
Note: Tapered on edges to roadway.		
<b>32 17 16 00-0018 Speed Bumps</b> <small>(32 17 16)</small>		
Note: Excludes pavement markings or reflectors.		
32 17 16 00-0019 LF 2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump .....	30.13	1.85
32 17 16 00-0020 LF 2-1/4" High x 12" Wide, Recycled Rubber Speed Bump .....	27.28	1.24
32 17 16 00-0021 LF 2-5/8" High x 12" Wide, Recycled Plastic Speed Bump .....	121.87	1.24
<b>32 17 23 Pavement Markings</b> <small>(32 17)</small>		
<b>32 17 23 13 Painted Pavement Markings</b> <small>(32 17 23)</small>		
<b>32 17 23 13-0001 Pavement Striping, Letters, Symbols And Markers For Roads</b> <small>(32 17 23 13)</small>		
Note: Includes primers, adhesive and glass beads where required. For broken line quantities use total lane length. Per Coat.		
<b>32 17 23 13-0002 Epoxy Reflective Pavement Marking</b> <small>(32 17 23 13-0001)</small>		
Note: 15 mil thickness.		
32 17 23 13-0003 LF Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.52	
For 20 Mil Thickness, Add	0.11	
For Up To 5,000 LF, Add	0.10	
For >25,000 LF, Deduct	-0.08	
For Broken Line, Deduct	-0.22	
32 17 23 13-0004 LF Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.73	
For 20 Mil Thickness, Add	0.16	
For Up To 5,000 LF, Add	0.15	
For >25,000 LF, Deduct	-0.11	
For Broken Line, Deduct	-0.33	
32 17 23 13-0005 LF Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.89	
For 20 Mil Thickness, Add	0.19	
For Up To 5,000 LF, Add	0.18	
For >25,000 LF, Deduct	-0.13	
For Broken Line, Deduct	-0.39	
32 17 23 13-0006 LF Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping.....	1.32	
For 20 Mil Thickness, Add	0.31	
For Up To 5,000 LF, Add	0.26	
For >25,000 LF, Deduct	-0.20	
For Broken Line, Deduct	-0.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0007 LF Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.80	
<i>For 20 Mil Thickness, Add</i>	0.20	
<i>For Up To 5,000 LF, Add</i>	0.16	
<i>For &gt;25,000 LF, Deduct</i>	-0.12	
<i>For Broken Line On One Side, Deduct</i>	-0.21	
<i>For Double Broken Line, Deduct</i>	-0.43	
32 17 23 13-0008 LF Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	1.14	
<i>For 20 Mil Thickness, Add</i>	0.30	
<i>For Up To 5,000 LF, Add</i>	0.23	
<i>For &gt;25,000 LF, Deduct</i>	-0.17	
<i>For Broken Line On One Side, Deduct</i>	-0.32	
<i>For Double Broken Line, Deduct</i>	-0.64	
32 17 23 13-0009 EA 6" High, Letter/Number, Epoxy Reflective Pavement Marking.....	3.77	
<i>For 20 Mil Thickness, Add</i>	0.36	
<i>For &lt;10, Add</i>	0.47	
<i>For &gt;50 To 100, Deduct</i>	-0.24	
<i>For &gt;100 To 200, Deduct</i>	-0.32	
<i>For &gt;200, Deduct</i>	-0.63	
32 17 23 13-0010 EA 12" High, Letter/Number, Epoxy Reflective Pavement Marking.....	6.98	
<i>For 20 Mil Thickness, Add</i>	0.97	
<i>For &lt;10, Add</i>	0.72	
<i>For &gt;50 To 100, Deduct</i>	-0.36	
<i>For &gt;100 To 200, Deduct</i>	-0.48	
<i>For &gt;200, Deduct</i>	-0.96	
32 17 23 13-0011 EA 24" High, Letter/Number, Epoxy Reflective Pavement Marking.....	11.81	
<i>For 20 Mil Thickness, Add</i>	1.68	
<i>For &lt;10, Add</i>	1.19	
<i>For &gt;50 To 100, Deduct</i>	-0.60	
<i>For &gt;100 To 200, Deduct</i>	-0.80	
<i>For &gt;200, Deduct</i>	-1.59	
32 17 23 13-0012 EA 36" High, Letter/Number, Epoxy Reflective Pavement Marking.....	22.66	
<i>For 20 Mil Thickness, Add</i>	3.05	
<i>For &lt;10, Add</i>	2.38	
<i>For &gt;50 To 100, Deduct</i>	-1.19	
<i>For &gt;100 To 200, Deduct</i>	-1.59	
<i>For &gt;200, Deduct</i>	-3.18	
32 17 23 13-0013 EA 48" High, Letter/Number, Epoxy Reflective Pavement Marking.....	26.64	
<i>For 20 Mil Thickness, Add</i>	3.83	
<i>For &lt;10, Add</i>	2.67	
<i>For &gt;50 To 100, Deduct</i>	-1.34	
<i>For &gt;100 To 200, Deduct</i>	-1.78	
<i>For &gt;200, Deduct</i>	-3.56	
32 17 23 13-0014 EA 72" High, Letter/Number, Epoxy Reflective Pavement Marking.....	47.81	
<i>For 20 Mil Thickness, Add</i>	6.95	
<i>For &lt;10, Add</i>	4.76	
<i>For &gt;50 To 100, Deduct</i>	-2.38	
<i>For &gt;100 To 200, Deduct</i>	-3.17	
<i>For &gt;200, Deduct</i>	-6.34	
32 17 23 13-0015 EA 96" High, Letter/Number, Epoxy Reflective Pavement Marking.....	63.76	
<i>For 20 Mil Thickness, Add</i>	9.19	
<i>For &lt;10, Add</i>	6.39	
<i>For &gt;50 To 100, Deduct</i>	-3.19	
<i>For &gt;100 To 200, Deduct</i>	-4.26	
<i>For &gt;200, Deduct</i>	-8.51	
32 17 23 13-0016 EA 120" High, Letter/Number, Epoxy Reflective Pavement Marking.....	100.05	
<i>For 20 Mil Thickness, Add</i>	18.41	
<i>For &lt;10, Add</i>	7.91	
<i>For &gt;50 To 100, Deduct</i>	-3.96	
<i>For &gt;100 To 200, Deduct</i>	-5.27	
<i>For &gt;200, Deduct</i>	-10.55	
32 17 23 13-0017 SF Letter/Number, Epoxy Reflective Pavement Marking.....	6.31	
<i>For 20 Mil Thickness, Add</i>	0.75	
32 17 23 13-0018 SY Cross Hatch, Epoxy Reflective Pavement Marking.....	54.57	
32 17 23 13-0019 SF Symbols, Epoxy Reflective Pavement Marking.....	7.93	
Note: Handicap, railroad, diamond, arrows, etc.		
<b>32 17 23 13-0020 Painted Reflective Pavement Marking (32 17 23 13-0001)</b>		
Note: 15 mil thickness.		
32 17 23 13-0021 LF Single 4" Wide Solid Line, Painted Reflective Pavement Striping.....	0.31	
<i>For Up To 5,000 LF, Add</i>	0.06	
<i>For &gt;25,000 LF, Deduct</i>	-0.05	
<i>For Broken Line, Deduct</i>	-0.06	
32 17 23 13-0022 LF Single 6" Wide Solid Line, Painted Reflective Pavement Striping.....	0.40	
<i>For Up To 5,000 LF, Add</i>	0.08	
<i>For &gt;25,000 LF, Deduct</i>	-0.06	
<i>For Broken Line, Deduct</i>	-0.08	
32 17 23 13-0023 LF Single 8" Wide Solid Line, Painted Reflective Pavement Striping.....	0.51	
<i>For Up To 5,000 LF, Add</i>	0.10	
<i>For &gt;25,000 LF, Deduct</i>	-0.08	
<i>For Broken Line, Deduct</i>	-0.11	
32 17 23 13-0024 LF Single 12" Wide Solid Line, Painted Reflective Pavement Striping.....	0.68	
<i>For Up To 5,000 LF, Add</i>	0.14	
<i>For &gt;25,000 LF, Deduct</i>	-0.10	
<i>For Broken Line, Deduct</i>	-0.16	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0025	LF		Double 4" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.45	
			<i>For Up To 5,000 LF, Add</i>	0.09	
			<i>For &gt;25,000 LF, Deduct</i>	-0.07	
			<i>For Broken Line On One Side, Deduct</i>	-0.05	
			<i>For Double Broken Line, Deduct</i>	-0.11	
32 17 23 13-0026	LF		Double 6" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.68	
			<i>For Up To 5,000 LF, Add</i>	0.14	
			<i>For &gt;25,000 LF, Deduct</i>	-0.10	
			<i>For Broken Line On One Side, Deduct</i>	-0.08	
			<i>For Double Broken Line, Deduct</i>	-0.16	
32 17 23 13-0027	SF		Solid Area, Painted Reflective Pavement Striping.....	4.83	
			Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0028	SF		Letter/Number, Painted Reflective Pavement Marking.....	5.67	
32 17 23 13-0029	SY		Cross Hatch, Painted Reflective Pavement Marking.....	6.25	
32 17 23 13-0030	SF		Symbols, Painted Reflective Pavement Marking.....	6.75	
			Note: Handicap, railroad, diamond, arrows, etc.		
<b>32 17 23 13-0031</b>			<b>Painted Reflective Pavement Marking (CALTRANS)</b> <small>(32 17 23 13-0001)</small>		
			Note: Per LF of detail.		
32 17 23 13-0032	LF		CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping.....	0.25	
			<i>For Up To 5,000 LF, Add</i>	0.05	
			<i>For &gt;25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0033	LF		CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping.....	0.37	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0034	LF		CALTRANS Detail 4 Centerline.....	0.67	
			<i>For Up To 5,000 LF, Add</i>	0.13	
			<i>For &gt;25,000 LF, Deduct</i>	-0.10	
32 17 23 13-0035	LF		CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping.....	0.25	
			<i>For Up To 5,000 LF, Add</i>	0.05	
			<i>For &gt;25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0036	LF		CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping.....	0.38	
			<i>For Up To 5,000 LF, Add</i>	0.08	
			<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0037	LF		CALTRANS Detail 7 Centerline.....	0.48	
			<i>For Up To 5,000 LF, Add</i>	0.10	
			<i>For &gt;25,000 LF, Deduct</i>	-0.07	
32 17 23 13-0038	LF		CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping.....	0.25	
			<i>For Up To 5,000 LF, Add</i>	0.05	
			<i>For &gt;25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0039	LF		CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping.....	0.37	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0040	LF		CALTRANS Detail 10 Lanelines.....	0.67	
			<i>For Up To 5,000 LF, Add</i>	0.13	
			<i>For &gt;25,000 LF, Deduct</i>	-0.10	
32 17 23 13-0041	LF		CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping.....	0.25	
			<i>For Up To 5,000 LF, Add</i>	0.05	
			<i>For &gt;25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0042	LF		CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping.....	0.37	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0043	LF		CALTRANS Detail 13 Lanelines.....	0.48	
			<i>For Up To 5,000 LF, Add</i>	0.10	
			<i>For &gt;25,000 LF, Deduct</i>	-0.07	
32 17 23 13-0044	LF		CALTRANS Detail 14 Lanelines.....	0.48	
			<i>For Up To 5,000 LF, Add</i>	0.10	
			<i>For &gt;25,000 LF, Deduct</i>	-0.07	
32 17 23 13-0045	LF		CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping.....	0.37	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0046	LF		CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.34	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.05	
			<i>For Broken Line On One Side, Deduct</i>	-0.04	
			<i>For Double Broken Line, Deduct</i>	-0.08	
32 17 23 13-0047	LF		CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.84	
			<i>For Up To 5,000 LF, Add</i>	0.17	
			<i>For &gt;25,000 LF, Deduct</i>	-0.13	
32 17 23 13-0048	LF		CALTRANS Detail 17 No Passing Zones-One Direction Lanelines.....	1.96	
			<i>For Up To 5,000 LF, Add</i>	0.39	
			<i>For &gt;25,000 LF, Deduct</i>	-0.29	
32 17 23 13-0049	LF		CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.34	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.05	
			<i>For Broken Line On One Side, Deduct</i>	-0.04	
			<i>For Double Broken Line, Deduct</i>	-0.08	
32 17 23 13-0050	LF		CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.71	
			<i>For Up To 5,000 LF, Add</i>	0.14	
			<i>For &gt;25,000 LF, Deduct</i>	-0.11	
32 17 23 13-0051	LF		CALTRANS Detail 20 No Passing Zones-One Direction Lanelines.....	1.65	
			<i>For Up To 5,000 LF, Add</i>	0.33	
			<i>For &gt;25,000 LF, Deduct</i>	-0.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0052 LF CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping.....	0.40	
<i>For Up To 5,000 LF, Add</i>	0.08	
<i>For &gt;25,000 LF, Deduct</i>	-0.06	
<i>For Broken Line On One Side, Deduct</i>	-0.06	
<i>For Double Broken Line, Deduct</i>	-0.13	
32 17 23 13-0053 LF CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping.....	0.90	
<i>For Up To 5,000 LF, Add</i>	0.18	
<i>For &gt;25,000 LF, Deduct</i>	-0.14	
32 17 23 13-0054 LF CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines.....	2.32	
<i>For Up To 5,000 LF, Add</i>	0.46	
<i>For &gt;25,000 LF, Deduct</i>	-0.35	
32 17 23 13-0055 LF CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping.....	0.31	
<i>For Up To 5,000 LF, Add</i>	0.06	
<i>For &gt;25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0056 LF CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping.....	0.43	
<i>For Up To 5,000 LF, Add</i>	0.09	
<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0057 LF CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping .....	0.57	
<i>For Up To 5,000 LF, Add</i>	0.11	
<i>For &gt;25,000 LF, Deduct</i>	-0.09	
32 17 23 13-0058 LF CALTRANS Detail 26 Left Edgelines.....	0.12	
<i>For Up To 5,000 LF, Add</i>	0.02	
<i>For &gt;25,000 LF, Deduct</i>	-0.02	
32 17 23 13-0059 LF CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping.....	0.52	
<i>For Up To 5,000 LF, Add</i>	0.10	
<i>For &gt;25,000 LF, Deduct</i>	-0.08	
32 17 23 13-0060 LF CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping .....	0.31	
<i>For Up To 5,000 LF, Add</i>	0.06	
<i>For &gt;25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0061 LF CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping .....	0.25	
<i>For Up To 5,000 LF, Add</i>	0.05	
<i>For &gt;25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0062 LF CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping .....	0.81	
<i>For Up To 5,000 LF, Add</i>	0.16	
<i>For &gt;25,000 LF, Deduct</i>	-0.12	
<i>For Broken Line On One Side, Deduct</i>	-0.13	
<i>For Double Broken Line, Deduct</i>	-0.26	
32 17 23 13-0063 LF CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping .....	1.30	
<i>For Up To 5,000 LF, Add</i>	0.26	
<i>For &gt;25,000 LF, Deduct</i>	-0.20	
32 17 23 13-0064 LF CALTRANS Detail 30 Median Islands .....	4.65	
<i>For Up To 5,000 LF, Add</i>	0.93	
<i>For &gt;25,000 LF, Deduct</i>	-0.70	
32 17 23 13-0065 LF CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping .....	0.68	
<i>For Up To 5,000 LF, Add</i>	0.14	
<i>For &gt;25,000 LF, Deduct</i>	-0.10	
<i>For Broken Line On One Side, Deduct</i>	-0.08	
<i>For Double Broken Line, Deduct</i>	-0.16	
32 17 23 13-0066 LF CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping .....	1.29	
<i>For Up To 5,000 LF, Add</i>	0.26	
<i>For &gt;25,000 LF, Deduct</i>	-0.19	
32 17 23 13-0067 LF CALTRANS Detail 33 Two-Way Left Turn Lanes .....	3.18	
<i>For Up To 5,000 LF, Add</i>	0.64	
<i>For &gt;25,000 LF, Deduct</i>	-0.48	
32 17 23 13-0068 LF CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping.....	0.71	
<i>For Up To 5,000 LF, Add</i>	0.14	
<i>For &gt;25,000 LF, Deduct</i>	-0.11	
32 17 23 13-0069 LF CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping.....	0.34	
<i>For Up To 5,000 LF, Add</i>	0.07	
<i>For &gt;25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0070 LF CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping.....	0.84	
<i>For Up To 5,000 LF, Add</i>	0.17	
<i>For &gt;25,000 LF, Deduct</i>	-0.13	
32 17 23 13-0071 LF CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping.....	0.34	
<i>For Up To 5,000 LF, Add</i>	0.07	
<i>For &gt;25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0072 LF CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping .....	1.51	
<i>For Up To 5,000 LF, Add</i>	0.30	
<i>For &gt;25,000 LF, Deduct</i>	-0.23	
32 17 23 13-0073 LF CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping.....	0.99	
<i>For Up To 5,000 LF, Add</i>	0.20	
<i>For &gt;25,000 LF, Deduct</i>	-0.15	
32 17 23 13-0074 LF CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping .....	1.06	
<i>For Up To 5,000 LF, Add</i>	0.21	
<i>For &gt;25,000 LF, Deduct</i>	-0.16	
32 17 23 13-0075 LF CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping .....	0.93	
<i>For Up To 5,000 LF, Add</i>	0.19	
<i>For &gt;25,000 LF, Deduct</i>	-0.14	
32 17 23 13-0076 LF CALTRANS Detail 37A Lane Drop At Exit Ramps.....	1.56	
<i>For Up To 5,000 LF, Add</i>	0.31	
<i>For &gt;25,000 LF, Deduct</i>	-0.23	
32 17 23 13-0077 LF CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping.....	0.93	
<i>For Up To 5,000 LF, Add</i>	0.19	
<i>For &gt;25,000 LF, Deduct</i>	-0.14	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0078 LF CALTRANS Detail 37C Lane Drop At Intersections.....	1.56	
For Up To 5,000 LF, Add	0.31	
For >25,000 LF, Deduct	-0.23	
32 17 23 13-0079 LF CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping .....	0.90	
For Up To 5,000 LF, Add	0.18	
For >25,000 LF, Deduct	-0.14	
32 17 23 13-0080 LF CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping.....	0.65	
For Up To 5,000 LF, Add	0.13	
For >25,000 LF, Deduct	-0.10	
32 17 23 13-0081 LF CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping.....	1.14	
For Up To 5,000 LF, Add	0.23	
For >25,000 LF, Deduct	-0.17	
32 17 23 13-0082 LF CALTRANS Detail 38C Channelizing Line.....	2.32	
For Up To 5,000 LF, Add	0.46	
For >25,000 LF, Deduct	-0.35	
32 17 23 13-0083 LF CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping .....	0.40	
For Up To 5,000 LF, Add	0.08	
For >25,000 LF, Deduct	-0.06	
32 17 23 13-0084 LF CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping .....	0.33	
For Up To 5,000 LF, Add	0.07	
For >25,000 LF, Deduct	-0.05	
32 17 23 13-0085 LF CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping .....	0.24	
For Up To 5,000 LF, Add	0.05	
For >25,000 LF, Deduct	-0.04	
32 17 23 13-0086 LF CALTRANS Detail 40A Lane Line Extensions Through Intersections.....	1.10	
For Up To 5,000 LF, Add	0.22	
For >25,000 LF, Deduct	-0.17	
32 17 23 13-0087 LF CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping .....	0.24	
For Up To 5,000 LF, Add	0.05	
For >25,000 LF, Deduct	-0.04	
32 17 23 13-0088 LF CALTRANS Detail 41A Center Line Extensions Through Intersections.....	1.10	
For Up To 5,000 LF, Add	0.22	
For >25,000 LF, Deduct	-0.17	
32 17 23 13-0089 EA CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking .....	90.06	
For <10, Add	11.57	
For >50 To 100, Deduct	-5.78	
For >100 To 200, Deduct	-7.71	
For >200, Deduct	-15.42	
32 17 23 13-0090 EA CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking .....	158.08	
For <10, Add	20.24	
For >50 To 100, Deduct	-10.12	
For >100 To 200, Deduct	-13.50	
For >200, Deduct	-26.99	
32 17 23 13-0091 EA CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking .....	198.33	
For <10, Add	25.45	
For >50 To 100, Deduct	-12.72	
For >100 To 200, Deduct	-16.97	
For >200, Deduct	-33.93	
32 17 23 13-0092 EA CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking .....	288.40	
For <10, Add	37.02	
For >50 To 100, Deduct	-18.51	
For >100 To 200, Deduct	-24.68	
For >200, Deduct	-49.36	
32 17 23 13-0093 EA CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking .....	378.47	
For <10, Add	48.59	
For >50 To 100, Deduct	-24.29	
For >100 To 200, Deduct	-32.39	
For >200, Deduct	-64.78	
32 17 23 13-0094 EA CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking.....	266.35	
For <10, Add	34.13	
For >50 To 100, Deduct	-17.06	
For >100 To 200, Deduct	-22.75	
For >200, Deduct	-45.50	
32 17 23 13-0095 EA CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking.....	464.68	
For <10, Add	59.57	
For >50 To 100, Deduct	-29.79	
For >100 To 200, Deduct	-39.72	
For >200, Deduct	-79.43	
32 17 23 13-0096 EA CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking .....	94.85	
For <10, Add	12.15	
For >50 To 100, Deduct	-6.07	
For >100 To 200, Deduct	-8.10	
For >200, Deduct	-16.20	
32 17 23 13-0097 EA CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking.....	207.89	
For <10, Add	26.61	
For >50 To 100, Deduct	-13.30	
For >100 To 200, Deduct	-17.74	
For >200, Deduct	-35.47	
32 17 23 13-0098 EA CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking.....	266.35	
For <10, Add	34.13	
For >50 To 100, Deduct	-17.06	
For >100 To 200, Deduct	-22.75	
For >200, Deduct	-45.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0099 EA CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking.....	171.68	
<i>For &lt;10, Add</i>	21.98	
<i>For &gt;50 To 100, Deduct</i>	-10.99	
<i>For &gt;100 To 200, Deduct</i>	-14.65	
<i>For &gt;200, Deduct</i>	-29.31	
32 17 23 13-0100 EA CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking.....	226.10	
<i>For &lt;10, Add</i>	28.92	
<i>For &gt;50 To 100, Deduct</i>	-14.46	
<i>For &gt;100 To 200, Deduct</i>	-19.28	
<i>For &gt;200, Deduct</i>	-38.56	
32 17 23 13-0101 EA CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking .....	45.03	
<i>For &lt;10, Add</i>	5.78	
<i>For &gt;50 To 100, Deduct</i>	-2.89	
<i>For &gt;100 To 200, Deduct</i>	-3.86	
<i>For &gt;200, Deduct</i>	-7.71	
32 17 23 13-0102 EA CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking.....	431.06	
Note: Excludes variable width transverse lines.		
<i>For &lt;10, Add</i>	54.95	
<i>For &gt;50 To 100, Deduct</i>	-27.47	
<i>For &gt;100 To 200, Deduct</i>	-36.63	
<i>For &gt;200, Deduct</i>	-73.26	
32 17 23 13-0103 SF CALTRANS Solid Area, Painted Reflective Pavement Marking.....	5.63	
32 17 23 13-0104 EA CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking.....	42.98	
Note: Approximate overall dimensions: 4' width x 8' height.		
<i>For &lt;10, Add</i>	4.16	
<i>For &gt;50 To 100, Deduct</i>	-2.08	
<i>For &gt;100 To 200, Deduct</i>	-2.78	
<i>For &gt;200, Deduct</i>	-5.55	
32 17 23 13-0105 EA CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking.....	45.53	
Note: Approximate overall dimensions: 4' width x 8' height.		
<i>For &lt;10, Add</i>	4.40	
<i>For &gt;50 To 100, Deduct</i>	-2.20	
<i>For &gt;100 To 200, Deduct</i>	-2.93	
<i>For &gt;200, Deduct</i>	-5.86	
32 17 23 13-0106 EA CALTRANS Diamond Symbol, Painted Reflective Pavement Marking.....	71.87	
<i>For &lt;10, Add</i>	9.26	
<i>For &gt;50 To 100, Deduct</i>	-4.63	
<i>For &gt;100 To 200, Deduct</i>	-6.17	
<i>For &gt;200, Deduct</i>	-12.34	
32 17 23 13-0107 EA CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking .....	146.20	
<i>For &lt;10, Add</i>	18.74	
<i>For &gt;50 To 100, Deduct</i>	-9.37	
<i>For &gt;100 To 200, Deduct</i>	-12.49	
<i>For &gt;200, Deduct</i>	-24.99	
32 17 23 13-0108 EA CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking.....	31.08	
Note: Approximate overall dimensions: 4' width x 8' height.		
<i>For &lt;10, Add</i>	4.40	
<i>For &gt;50 To 100, Deduct</i>	-2.20	
<i>For &gt;100 To 200, Deduct</i>	-2.93	
<i>For &gt;200, Deduct</i>	-5.86	
32 17 23 13-0109 SF CALTRANS Letter/Number, Painted Reflective Pavement Marking .....	5.70	
32 17 23 13-0110 SF CALTRANS Symbols, Painted Reflective Pavement Marking .....	6.32	
Note: Handicap, railroad, diamond, arrows, etc.		
<b>32 17 23 13-0111 Pavement Striping, Letters And Symbols For Parking Areas (22 17 23 13)</b>		
Note: Includes primers. Per Coat.		
<b>32 17 23 13-0112 Painted Pavement Marking For Parking Areas (22 17 23 13-0111)</b>		
Note: 15 mil thickness.		
32 17 23 13-0113 LF Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.18	
32 17 23 13-0114 LF Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.29	
32 17 23 13-0115 LF Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.37	
32 17 23 13-0116 LF Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.53	
32 17 23 13-0117 EA 6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	3.43	
<i>For Up To 10, Add</i>	0.46	
<i>For &gt;50 To 100, Deduct</i>	-0.23	
<i>For &gt;100 To 200, Deduct</i>	-0.31	
<i>For &gt;200, Deduct</i>	-0.62	
32 17 23 13-0118 EA 12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	5.85	
<i>For Up To 10, Add</i>	0.69	
<i>For &gt;50 To 100, Deduct</i>	-0.35	
<i>For &gt;100 To 200, Deduct</i>	-0.46	
<i>For &gt;200, Deduct</i>	-0.92	
32 17 23 13-0119 EA 24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	9.87	
<i>For Up To 10, Add</i>	1.16	
<i>For &gt;50 To 100, Deduct</i>	-0.58	
<i>For &gt;100 To 200, Deduct</i>	-0.77	
<i>For &gt;200, Deduct</i>	-1.54	
32 17 23 13-0120 EA 36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	18.44	
<i>For Up To 10, Add</i>	2.20	
<i>For &gt;50 To 100, Deduct</i>	-1.10	
<i>For &gt;100 To 200, Deduct</i>	-1.47	
<i>For &gt;200, Deduct</i>	-2.93	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0121 EA 42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	24.41	
For Up To 10, Add	3.01	
For >50 To 100, Deduct	-1.50	
For >100 To 200, Deduct	-2.01	
For >200, Deduct	-4.01	
32 17 23 13-0122 EA 48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas .....	29.61	
For Up To 10, Add	3.70	
For >50 To 100, Deduct	-1.85	
For >100 To 200, Deduct	-2.47	
For >200, Deduct	-4.94	
32 17 23 13-0123 EA 72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas .....	39.84	
For Up To 10, Add	4.63	
For >50 To 100, Deduct	-2.31	
For >100 To 200, Deduct	-3.08	
For >200, Deduct	-6.17	
32 17 23 13-0124 EA Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	72.42	
Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0125 EA Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	83.51	
Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0126 EA Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas .....	120.55	
Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0127 EA Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	123.11	
Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0128 EA Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	162.17	
Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0129 EA Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas .....	29.03	
Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
For Blue Background With White Symbol, Add	22.38	
For Blue Background With White Symbol And Border, Add	27.98	
32 17 23 13-0130 EA Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas.....	43.38	
Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.		
For Blue Background With White Symbol, Add	46.74	
For Blue Background With White Symbol And Border, Add	58.43	
<b>32 17 23 13-0131 Painted Curbs (32 17 23 13)</b>		
Note: All colors.		
32 17 23 13-0132 LF Reflective Painted Curb .....	2.79	
32 17 23 13-0133 LF Reflective Painted Curb And Gutter .....	5.34	
32 17 23 13-0134 LF Painted Curb.....	2.26	
32 17 23 13-0135 LF Painted Curb And Gutter.....	4.89	
<b>32 17 23 13-0136 Markings For Outdoor Play Areas, Courts (32 17 23 13)</b>		
32 17 23 13-0137 LF 2" Wide Marking For Outdoor Play Areas .....	0.89	
32 17 23 13-0138 LF 3" Wide Marking For Outdoor Play Areas .....	1.00	
32 17 23 13-0139 LF 4" Wide Marking For Outdoor Play Areas .....	1.12	
32 17 23 13-0140 LF 6" Wide Marking For Outdoor Play Areas .....	1.32	
32 17 23 13-0141 EA Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera).....	222.25	
<b>32 17 23 23 Raised Pavement Markings (32 17 23)</b>		
<b>32 17 23 23-0001 Raised Pavement Markers (RPMs) (32 17 23 23)</b>		
32 17 23 23-0002 EA One-Way Reflective, Raised Pavement Marker (RPM) .....	5.57	2.41
Note: Type G, H or R		
For >100, Deduct	-0.56	
32 17 23 23-0003 EA Two-Way Reflective, Raised Pavement Marker (RPM) .....	5.89	2.41
Note: Type B, C, D, AC, RA or RR		
For >100, Deduct	-0.59	
32 17 23 23-0004 EA 4" Diameter, Round Reflective, Raised Pavement Marker (RPM) .....	6.63	2.41
For >100, Deduct	-0.66	
32 17 23 23-0005 EA 4" Diameter, Non-Reflective, Raised Pavement Marker (RPM) .....	5.15	2.41
Note: Type A or AY		
For >100, Deduct	-0.52	
<b>32 17 23 23-0006 Snowplowable Pavement Markers (32 17 23 23)</b>		
32 17 23 23-0007 EA One-Way Reflective, Snowplowable Pavement Marker With Center Rail.....	69.56	29.78
Note: Type G, H or R		
32 17 23 23-0008 EA Two-Way Reflective, Snowplowable Pavement Marker With Center Rail.....	69.84	29.78
Note: Type B, C, D, AC, RA or RR		
32 17 23 23-0009 EA Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker .....	18.96	
32 17 23 23-0010 EA Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker .....	24.20	
<b>32 17 23 33 Plastic Pavement Markings (32 17 23)</b>		
<b>32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads (32 17 23 33)</b>		
Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				<b>32 17 23 33-0002 Thermoplastic Reflective Pavement Marking</b> <small>(32 17 23 33-0001)</small>		
				Note: 90 mil thickness.		
				32 17 23 33-0003 LF Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....	1.33	
				For Up To 5,000 LF, Add	0.27	
				For >25,000 LF, Deduct	-0.20	
				For 60 mils Thick, Deduct	-0.18	
				For 125 mils Thick, Add	0.23	
				For Broken Line, Deduct	-0.77	
				32 17 23 33-0004 LF Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....	1.91	
				Note: Includes yellow or white.		
				For Up To 5,000 LF, Add	0.38	
				For >25,000 LF, Deduct	-0.29	
				For 60 mils Thick, Deduct	-0.27	
				For 125 mils Thick, Add	0.34	
				For Broken Line, Deduct	-1.15	
				32 17 23 33-0005 LF Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....	2.53	
				Note: Includes yellow or white.		
				For Up To 5,000 LF, Add	0.51	
				For >25,000 LF, Deduct	-0.38	
				For 60 mils Thick, Deduct	-0.36	
				For 125 mils Thick, Add	0.46	
				For Broken Line, Deduct	-1.53	
				32 17 23 33-0006 LF Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....	3.68	
				Note: Includes yellow or white.		
				For Up To 5,000 LF, Add	0.74	
				For >25,000 LF, Deduct	-0.55	
				For 60 mils Thick, Deduct	-0.54	
				For 125 mils Thick, Add	0.69	
				For Broken Line, Deduct	-2.30	
				32 17 23 33-0007 LF Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....	2.51	
				Note: Includes yellow or white.		
				For Up To 5,000 LF, Add	0.50	
				For >25,000 LF, Deduct	-0.38	
				For 60 mils Thick, Deduct	-0.36	
				For 125 mils Thick, Add	0.46	
				For Broken Line On One Side, Deduct	-0.77	
				For Double Broken Line, Deduct	-1.53	
				32 17 23 33-0008 LF Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....	3.68	
				Note: Includes yellow or white.		
				For Up To 5,000 LF, Add	0.74	
				For >25,000 LF, Deduct	-0.55	
				For 60 mils Thick, Deduct	-0.54	
				For 125 mils Thick, Add	0.69	
				For Broken Line On One Side, Deduct	-1.15	
				For Double Broken Line, Deduct	-2.30	
				32 17 23 33-0009 SF Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	7.66	
				Note: Includes yellow or white.		
				For 60 mils Thick, Deduct	-0.53	
				For 125 mils Thick, Add	0.68	
				32 17 23 33-0010 EA 6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	4.95	
				For Up To 10, Add	0.52	
				For >50 To 100, Deduct	-0.26	
				For >100 To 200, Deduct	-0.35	
				For >200, Deduct	-0.69	
				For 60 mils Thick, Deduct	-0.26	
				For 125 mils Thick, Add	0.33	
				32 17 23 33-0011 EA 12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	10.60	
				For Up To 10, Add	0.79	
				For >50 To 100, Deduct	-0.39	
				For >100 To 200, Deduct	-0.52	
				For >200, Deduct	-1.05	
				For 60 mils Thick, Deduct	-0.94	
				For 125 mils Thick, Add	1.21	
				32 17 23 33-0012 EA 24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	18.09	
				For Up To 10, Add	1.31	
				For >50 To 100, Deduct	-0.65	
				For >100 To 200, Deduct	-0.87	
				For >200, Deduct	-1.74	
				For 60 mils Thick, Deduct	-1.64	
				For 125 mils Thick, Add	2.11	
				32 17 23 33-0013 EA 36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	34.00	
				For Up To 10, Add	2.63	
				For >50 To 100, Deduct	-1.31	
				For >100 To 200, Deduct	-1.75	
				For >200, Deduct	-3.50	
				For 60 mils Thick, Deduct	-2.89	
				For 125 mils Thick, Add	3.71	
				32 17 23 33-0014 EA 48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	41.02	
				For Up To 10, Add	2.94	
				For >50 To 100, Deduct	-1.47	
				For >100 To 200, Deduct	-1.96	
				For >200, Deduct	-3.92	
				For 60 mils Thick, Deduct	-3.75	
				For 125 mils Thick, Add	4.82	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0015 EA 72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	74.03	
For Up To 10, Add	5.23	
For >50 To 100, Deduct	-2.61	
For >100 To 200, Deduct	-3.49	
For >200, Deduct	-6.97	
For 60 mils Thick, Deduct	-6.85	
For 125 mils Thick, Add	8.81	
32 17 23 33-0016 EA 96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	98.35	
For Up To 10, Add	7.02	
For >50 To 100, Deduct	-3.51	
For >100 To 200, Deduct	-4.68	
For >200, Deduct	-9.36	
For 60 mils Thick, Deduct	-9.02	
For 125 mils Thick, Add	11.60	
32 17 23 33-0017 EA 120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	173.03	
For Up To 10, Add	8.70	
For >50 To 100, Deduct	-4.35	
For >100 To 200, Deduct	-5.80	
For >200, Deduct	-11.60	
For 60 mils Thick, Deduct	-20.13	
For 125 mils Thick, Add	25.88	
32 17 23 33-0018 SF Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	8.95	
For 60 mils Thick, Deduct	-0.65	
For 125 mils Thick, Add	0.83	
32 17 23 33-0019 SY Cross Hatch, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	26.12	
Note: Per SY of area.		
For 60 mils Thick, Deduct	-1.20	
For 125 mils Thick, Add	1.54	
32 17 23 33-0020 EA Handicap Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	232.57	
For 60 mils Thick, Deduct	-14.94	
For 125 mils Thick, Add	19.20	
32 17 23 33-0021 EA Railroad Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	691.63	
For 60 mils Thick, Deduct	-45.46	
For 125 mils Thick, Add	58.45	
32 17 23 33-0022 EA Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	148.38	
Note: Approximate overall dimensions: 4' width x 8' height.		
For 60 mils Thick, Deduct	-20.57	
For 125 mils Thick, Add	26.45	
32 17 23 33-0023 EA Diamond Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	111.23	
For 60 mils Thick, Deduct	-7.14	
For 125 mils Thick, Add	9.18	
32 17 23 33-0024 SF Symbols, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	10.11	
Note: Handicap, railroad, diamond, arrows, etc.		
For 60 mils Thick, Deduct	-0.65	
For 125 mils Thick, Add	0.83	
32 17 23 33-0025 EA 10' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	141.56	
For 60 mils Thick, Deduct	-9.09	
For 125 mils Thick, Add	11.69	
32 17 23 33-0026 EA 18' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	252.80	
For 60 mils Thick, Deduct	-16.24	
For 125 mils Thick, Add	20.88	
32 17 23 33-0027 EA 24' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	313.47	
For 60 mils Thick, Deduct	-20.13	
For 125 mils Thick, Add	25.88	
32 17 23 33-0028 EA 24' Arrow With Single (L or R) Turn Arrow, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	455.03	
For 60 mils Thick, Deduct	-29.23	
For 125 mils Thick, Add	37.58	
32 17 23 33-0029 EA 24' Arrow With Both (L and R) Turn Arrows, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	596.60	
For 60 mils Thick, Deduct	-38.32	
For 125 mils Thick, Add	49.26	
32 17 23 33-0030 EA 24' Arrow Single (L or R) Turn Arrow, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	424.69	
For 60 mils Thick, Deduct	-27.28	
For 125 mils Thick, Add	35.07	
32 17 23 33-0031 EA 24' Arrow Both (L and R) Turn Arrows, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	738.17	
For 60 mils Thick, Deduct	-47.41	
For 125 mils Thick, Add	60.95	
32 17 23 33-0032 EA 8' Turn Arrow (L or R), Type IV, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	151.69	
For 60 mils Thick, Deduct	-9.74	
For 125 mils Thick, Add	12.53	
32 17 23 33-0033 EA 24' Arrow, Type V, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	333.68	
For 60 mils Thick, Deduct	-21.43	
For 125 mils Thick, Add	27.55	
32 17 23 33-0034 EA 18' Arrow, Type VI, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	424.69	
For 60 mils Thick, Deduct	-27.28	
For 125 mils Thick, Add	35.07	
32 17 23 33-0035 EA 13' Arrow With Single (L or R) Turn Arrow, Type VII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	273.03	
For 60 mils Thick, Deduct	-17.54	
For 125 mils Thick, Add	22.55	
32 17 23 33-0036 EA 15' Arrow With Both (L and R) Turn Arrows, Type VIII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	364.03	
For 60 mils Thick, Deduct	-23.38	
For 125 mils Thick, Add	30.06	
32 17 23 33-0037 EA 5' Arrow, Bike Lane, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	70.79	
For 60 mils Thick, Deduct	-4.55	
For 125 mils Thick, Add	5.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 17 23 33-0038</b> Thermoplastic Reflective Pavement Striping By Hand For Repairs <small>(32 17 23 33-0001)</small>		
32 17 23 33-0039 LF Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	2.65	
<i>For 60 mils Thick, Deduct</i>	-0.18	
<i>For 125 mils Thick, Add</i>	0.23	
32 17 23 33-0040 LF Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	3.39	
<i>For 60 mils Thick, Deduct</i>	-0.27	
<i>For 125 mils Thick, Add</i>	0.34	
32 17 23 33-0041 LF Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	4.20	
<i>For 60 mils Thick, Deduct</i>	-0.36	
<i>For 125 mils Thick, Add</i>	0.46	
32 17 23 33-0042 LF Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	6.06	
<i>For 60 mils Thick, Deduct</i>	-0.54	
<i>For 125 mils Thick, Add</i>	0.69	
32 17 23 33-0043 LF Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	10.99	
<i>For 60 mils Thick, Deduct</i>	-1.07	
<i>For 125 mils Thick, Add</i>	1.37	
<b>32 17 23 33-0044</b> Preformed, Patterned Reflective Pavement Marking Tape <small>(32 17 23 33-0001)</small>		
<i>Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).</i>		
32 17 23 33-0045 LF Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping .....	2.82	
<i>Note: Includes yellow or white.</i>		
<i>For Up To 5,000 LF, Add</i>	0.56	
<i>For &gt;25,000 LF, Deduct</i>	-0.42	
32 17 23 33-0046 LF Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping .....	4.17	
<i>Note: Includes yellow or white.</i>		
<i>For Up To 5,000 LF, Add</i>	0.83	
<i>For &gt;25,000 LF, Deduct</i>	-0.63	
32 17 23 33-0047 LF Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping .....	5.54	
<i>Note: Includes yellow or white.</i>		
<i>For Up To 5,000 LF, Add</i>	1.11	
<i>For &gt;25,000 LF, Deduct</i>	-0.83	
32 17 23 33-0048 LF Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping .....	8.20	
<i>Note: Includes yellow or white.</i>		
<i>For Up To 5,000 LF, Add</i>	1.64	
<i>For &gt;25,000 LF, Deduct</i>	-1.23	
32 17 23 33-0049 SF Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape .....	22.01	
<i>Note: Includes yellow or white.</i>		
32 17 23 33-0050 EA 6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	32.77	
<i>For &lt;10, Add</i>	0.95	
<i>For &gt;50 To 100, Deduct</i>	-0.47	
<i>For &gt;100 To 200, Deduct</i>	-0.63	
<i>For &gt;200, Deduct</i>	-1.26	
32 17 23 33-0051 EA 12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	58.36	
<i>For &lt;10, Add</i>	1.20	
<i>For &gt;50 To 100, Deduct</i>	-0.60	
<i>For &gt;100 To 200, Deduct</i>	-0.80	
<i>For &gt;200, Deduct</i>	-1.60	
32 17 23 33-0052 EA 24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	99.92	
<i>For &lt;10, Add</i>	2.38	
<i>For &gt;50 To 100, Deduct</i>	-1.19	
<i>For &gt;100 To 200, Deduct</i>	-1.59	
<i>For &gt;200, Deduct</i>	-3.18	
32 17 23 33-0053 EA 36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	142.85	
<i>For &lt;10, Add</i>	4.77	
<i>For &gt;50 To 100, Deduct</i>	-2.38	
<i>For &gt;100 To 200, Deduct</i>	-3.18	
<i>For &gt;200, Deduct</i>	-6.35	
32 17 23 33-0054 EA 48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	167.70	
<i>For &lt;10, Add</i>	5.34	
<i>For &gt;50 To 100, Deduct</i>	-2.67	
<i>For &gt;100 To 200, Deduct</i>	-3.56	
<i>For &gt;200, Deduct</i>	-7.13	
32 17 23 33-0055 EA 72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	211.85	
<i>For &lt;10, Add</i>	9.51	
<i>For &gt;50 To 100, Deduct</i>	-4.76	
<i>For &gt;100 To 200, Deduct</i>	-6.34	
<i>For &gt;200, Deduct</i>	-12.68	
32 17 23 33-0056 EA 96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	269.42	
<i>For &lt;10, Add</i>	12.77	
<i>For &gt;50 To 100, Deduct</i>	-6.39	
<i>For &gt;100 To 200, Deduct</i>	-8.51	
<i>For &gt;200, Deduct</i>	-17.03	
32 17 23 33-0057 EA 120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	337.90	
<i>For &lt;10, Add</i>	15.83	
<i>For &gt;50 To 100, Deduct</i>	-7.91	
<i>For &gt;100 To 200, Deduct</i>	-10.55	
<i>For &gt;200, Deduct</i>	-21.10	
32 17 23 33-0058 SF Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	22.63	
32 17 23 33-0059 SF Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	23.79	
<i>Note: Handicap, railroad, diamond symbol, etc.</i>		
<b>32 17 23 33-0060</b> Preformed, Thermoplastic Reflective Pavement Marking <small>(32 17 23 33-0001)</small>		
<i>Note: Heat applied. (Flint PreMark or HotTape Series).</i>		

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0061 EA Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....319.84 Note: Approximate overall dimensions: 4' width x 8' height.	319.84	
32 17 23 33-0062 EA Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....848.68 Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	848.68	
32 17 23 33-0063 EA Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....167.54 Note: Approximate overall dimensions: 3-1/4' width x 13' height.	167.54	
32 17 23 33-0064 EA 6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....140.75 Note: Approximate overall dimensions: 2' width x 6' height.	140.75	
32 17 23 33-0065 EA 9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....276.57 Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	276.57	
32 17 23 33-0066 EA 4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....163.73 Note: Approximate overall dimensions: 3' width x 4' height.	163.73	
32 17 23 33-0067 EA 8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....308.35 Note: Approximate overall dimensions: 6' width x 8' height.	308.35	
32 17 23 33-0068 EA Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....529.51 Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	529.51	
32 17 23 33-0069 EA Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....799.24 Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	799.24	
32 17 23 33-0070 EA Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....284.12 Note: Approximate overall dimensions: 1-2/3' width x 12' height.	284.12	
32 17 23 33-0071 EA Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....315.90 Note: Approximate overall dimensions: 3' width x 12' height.	315.90	
32 17 23 33-0072 EA Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....585.55 Note: Approximate overall dimensions: 5-1/2' width x 12' height.	585.55	
32 17 23 33-0073 EA Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....537.99 Note: Approximate overall dimensions: 3-1/2' width x 20' height.	537.99	
32 17 23 33-0074 EA Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....540.31 Note: Approximate overall dimensions: 5-1/2' width x 20' height.	540.31	
32 17 23 33-0075 EA Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....745.32 Note: Approximate overall dimensions: 5-1/2' width x 18' height.	745.32	
<b>32 17 23 33-0076 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas</b> (32 17 23 33)		
<b>32 17 23 33-0077 Thermoplastic Pavement Marking Symbols For Parking Areas</b> (32 17 23 33-0076) Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0078 EA 28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....108.32 Note: White or blue symbol. Excludes striping.	108.32	
32 17 23 33-0079 EA 39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....410.46	410.46	
32 17 23 33-0080 EA 40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....231.76 Note: White symbol on blue background. Excludes striping.	231.76	
32 17 23 33-0081 EA 45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....278.62 Note: White symbol on blue background. Excludes striping.	278.62	
32 17 23 33-0082 EA 48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....292.05	292.05	
<b>32 17 26 Tactile Warning Surfaces</b> (32 17)		
<b>32 17 26 00-0001 Vitrified Polymer Composite (VPC); (Armor Tile)</b> (32 17 26) Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002 SF Surface Applied VPC Truncated Dome Detectable Warning Surface .....66.02	66.02	9.41
32 17 26 00-0003 SF Embedded, VPC Truncated Dome Detectable Warning Surface.....53.79 Note: Also raised strips or directional bars. All colors.	53.79	9.41
<b>32 17 26 00-0004 Fiber-Reinforced, Polymermodified Cement And Coated With Acrylic Resin Emulsion (SafteyStep TD)</b> (32 17 26) Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0005 SF Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) .....75.00 Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.	75.00	9.41
32 17 26 00-0006 SF >15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) .....66.54 Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.	66.54	9.41
<b>32 18 Athletic and Recreational Surfacing</b> (32 18)		
<b>32 18 16 Synthetic Resilient Surfacing</b> (32 18)		
<b>32 18 16 13 Playground Protective Surfacing</b> (32 18 16)		
<b>32 18 16 13-0001 Tile Playground Surface Material</b> (32 18 16 13) Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0002 SF 1-3/4" Thick, Resilient Rubber Tile Playground Surfacing .....	19.18	2.18
<i>For Manufacturer's Standard Colors, Add</i>	1.14	
<i>For Interlocking Tiles, Add</i>	2.53	
<i>For Mechanically Fastened, Add</i>	1.71	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0003 SF 2" Thick, Resilient Rubber Tile Playground Surfacing.....	19.59	2.31
<i>For Manufacturer's Standard Colors, Add</i>	1.14	
<i>For Interlocking Tiles, Add</i>	2.53	
<i>For Mechanically Fastened, Add</i>	1.79	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0004 SF 2-1/4" Thick, Resilient Rubber Tile Playground Surfacing .....	20.41	2.58
<i>For Manufacturer's Standard Colors, Add</i>	1.14	
<i>For Interlocking Tiles, Add</i>	2.53	
<i>For Mechanically Fastened, Add</i>	1.95	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0005 SF 2-1/2" Thick, Resilient Rubber Tile Playground Surfacing .....	21.23	2.86
<i>For Manufacturer's Standard Colors, Add</i>	1.14	
<i>For Interlocking Tiles, Add</i>	2.53	
<i>For Mechanically Fastened, Add</i>	2.12	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0006 SF 2-3/4" Thick, Resilient Rubber Tile Playground Surfacing .....	23.67	3.13
<i>For Manufacturer's Standard Colors, Add</i>	0.86	
<i>For Interlocking Tiles, Add</i>	2.86	
<i>For Mechanically Fastened, Add</i>	2.28	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0007 SF 3" Thick, Resilient Rubber Tile Playground Surfacing.....	24.58	3.43
<i>For Manufacturer's Standard Colors, Add</i>	0.86	
<i>For Interlocking Tiles, Add</i>	2.86	
<i>For Mechanically Fastened, Add</i>	2.46	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0008 SF 3-1/4" Thick, Resilient Rubber Tile Playground Surfacing .....	25.52	3.74
<i>For Manufacturer's Standard Colors, Add</i>	0.86	
<i>For Interlocking Tiles, Add</i>	2.86	
<i>For Mechanically Fastened, Add</i>	2.65	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0009 SF 3-1/2" Thick, Resilient Rubber Tile Playground Surfacing .....	28.02	4.00
<i>For Manufacturer's Standard Colors, Add</i>	0.48	
<i>For Interlocking Tiles, Add</i>	3.19	
<i>For Mechanically Fastened, Add</i>	2.82	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0010 SF 3-3/4" Thick, Resilient Rubber Tile Playground Surfacing .....	28.84	4.32
<i>For Manufacturer's Standard Colors, Add</i>	0.48	
<i>For Interlocking Tiles, Add</i>	3.19	
<i>For Mechanically Fastened, Add</i>	2.98	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0011 SF 4" Thick, Resilient Rubber Tile Playground Surfacing.....	29.74	4.57
<i>For Manufacturer's Standard Colors, Add</i>	0.48	
<i>For Interlocking Tiles, Add</i>	3.19	
<i>For Mechanically Fastened, Add</i>	3.16	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0012 SF 4-1/2" Thick, Resilient Rubber Tile Playground Surfacing .....	34.20	5.14
<i>For Manufacturer's Standard Colors, Add</i>	0.47	
<i>For Interlocking Tiles, Add</i>	3.74	
<i>For Mechanically Fastened, Add</i>	3.50	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
<b>32 18 16 13-0013 Loose Laid Playground Surface Material</b> <small>(32 18 16 13)</small>		
Note: Excludes sub base.		
32 18 16 13-0014 SF 3" Loose Laid Wood Fiber Safety Playground Surfacing .....	1.56	0.32
32 18 16 13-0015 SF 6" Loose Laid Wood Fiber Safety Playground Surfacing .....	2.08	0.40
32 18 16 13-0016 SF 9" Loose Laid Wood Fiber Safety Playground Surfacing .....	2.65	0.49
32 18 16 13-0017 SF 12" Loose Laid Wood Fiber Safety Playground Surfacing .....	3.75	0.74
32 18 16 13-0018 SF 3" Loose Laid Synthetic Fiber Safety Playground Surfacing.....	3.10	0.32
32 18 16 13-0019 SF 6" Loose Laid Synthetic Fiber Safety Playground Surfacing.....	3.82	0.40
32 18 16 13-0020 SF 9" Loose Laid Synthetic Fiber Safety Playground Surfacing.....	6.13	0.49
32 18 16 13-0021 SF 12" Loose Laid Synthetic Fiber Safety Playground Surfacing.....	7.49	0.74
32 18 16 13-0022 SF 8" FIBAR System Playground Surfacing.....	9.47	1.22
Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.		
32 18 16 13-0023 SF 12" FIBAR System Playground Surfacing.....	12.05	1.63
Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.		
<b>32 18 16 13-0024 Poured In Place Playground Surfacing</b> <small>(32 18 16 13)</small>		
Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.		
32 18 16 13-0025 SF 1-3/4" Thick, Up To 4' Critical Fall Height, Poured In Place Rubber Playground Surfacing.....	15.58	2.52
<i>For Up To 2,000, Add</i>	3.33	
<i>For &gt;2,000 To 3,000, Add</i>	2.34	
<i>For &gt;3,000 To 4,000, Add</i>	1.59	
<i>For &gt;4,000 To 5,000, Add</i>	1.01	
<i>For &gt;5,000 To 7,000, Add</i>	0.42	
<i>For Aliphatic (Non Yellowing) Binder, Add</i>	3.96	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.55	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0026 SF 2" Thick, 5' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	16.08	2.79
For Up To 2,000, Add	3.44	
For >2,000 To 3,000, Add	2.42	
For >3,000 To 4,000, Add	1.64	
For >4,000 To 5,000, Add	1.05	
For >5,000 To 7,000, Add	0.43	
For Aliphatic (Non Yellowing) Binder, Add	3.96	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.55	
32 18 16 13-0027 SF 2-1/2" Thick, 6' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	17.35	3.19
For Up To 2,000, Add	3.71	
For >2,000 To 3,000, Add	2.61	
For >3,000 To 4,000, Add	1.77	
For >4,000 To 5,000, Add	1.13	
For >5,000 To 7,000, Add	0.47	
For Aliphatic (Non Yellowing) Binder, Add	3.96	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.55	
32 18 16 13-0028 SF 3" Thick, 7' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	18.75	3.39
For Up To 2,000, Add	4.01	
For >2,000 To 3,000, Add	2.82	
For >3,000 To 4,000, Add	1.91	
For >4,000 To 5,000, Add	1.22	
For >5,000 To 7,000, Add	0.51	
For Aliphatic (Non Yellowing) Binder, Add	3.96	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.55	
32 18 16 13-0029 SF 3-1/2" Thick, 8' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	20.13	3.57
For Up To 2,000, Add	4.30	
For >2,000 To 3,000, Add	3.02	
For >3,000 To 4,000, Add	2.06	
For >4,000 To 5,000, Add	1.31	
For >5,000 To 7,000, Add	0.54	
For Aliphatic (Non Yellowing) Binder, Add	3.96	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.55	
32 18 16 13-0030 SF 4" Thick, 9' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	21.30	3.78
For Up To 2,000, Add	4.55	
For >2,000 To 3,000, Add	3.20	
For >3,000 To 4,000, Add	2.17	
For >4,000 To 5,000, Add	1.39	
For >5,000 To 7,000, Add	0.57	
For Aliphatic (Non Yellowing) Binder, Add	3.96	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.55	
32 18 16 13-0031 SF 4-1/2" Thick, 10' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	22.69	3.98
For Up To 2,000, Add	4.85	
For >2,000 To 3,000, Add	3.41	
For >3,000 To 4,000, Add	2.32	
For >4,000 To 5,000, Add	1.48	
For >5,000 To 7,000, Add	0.61	
For Aliphatic (Non Yellowing) Binder, Add	3.96	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.55	
32 18 16 13-0032 SF 5-1/2" Thick, 12' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	25.46	4.46
For Up To 2,000, Add	5.44	
For >2,000 To 3,000, Add	3.82	
For >3,000 To 4,000, Add	2.60	
For >4,000 To 5,000, Add	1.66	
For >5,000 To 7,000, Add	0.69	
For Aliphatic (Non Yellowing) Binder, Add	3.96	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.55	
32 18 16 13-0033 SF 1/2" Top Only, Poured In Place Playground Surfacing .....	10.18	
Note: Not used with new surfacing system tasks.		
For Up To 2,000, Add	3.30	
For >2,000 To 3,000, Add	2.13	
For >3,000 To 4,000, Add	1.29	
For >4,000 To 5,000, Add	0.78	
For >5,000 To 7,000, Add	0.35	
For Aliphatic (Non Yellowing) Binder, Add	3.96	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.55	
32 18 16 13-0034 EA Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing .....	2,479.02	
<b>32 18 16 13-0035 Synthetic Playground Turf (Sporturf)</b> <small>(32 18 16 13)</small>		
Note: Excludes base preparation, aggregate, or drainage.		
32 18 16 13-0036 SF 60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929).....	9.64	
32 18 16 13-0037 SF 71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906).....	8.46	
32 18 16 13-0038 SF 2" Foam Padding (Sporturf) .....	5.45	
32 18 16 13-0039 CF Sand/Ruber Infill (Sporturf) .....	49.23	

**32 18 23 Athletic Surfacing** (32 18)**32 18 23 13 Baseball Field Surfacing** (32 18 23)**32 18 23 13-0001 Clay Infield Maintenance** (32 18 23 13)

32 18 23 13-0002 MSF Playing Field Maintenance (Clay - Nail Drag) .....	10.56
32 18 23 13-0003 MSF Playing Field Maintenance (Clay - Screen Drag) .....	10.56



<b>Exterior Improvements</b>		<b>32</b>
Bases, Ballasts, and Paving		32 10
Athletic and Recreational Surfacing		32 18

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 13-0004 CY Playing Field Maintenance Of Clay .....	98.12	
32 18 23 13-0005 Ton Medium Pro Baseball Infield Mix (Diamond Select 60/40 Pro Infield Mix) .....	167.23	
 <b>32 18 23 23 Field Sport Surfacing (32 18 23)</b>		
<b>32 18 23 23-0001 Turf Field Maintenance (32 18 23 23)</b>		
32 18 23 23-0002 ACR Turf Aeration (Minimum 6" Penetration) .....	142.25	
32 18 23 23-0003 MSF Top Dressing 1/8" - 1/4" Sand .....	13.56	
32 18 23 23-0004 BAG Envirofill, 50 LB Bag .....	106.84	
 <b>32 18 23 29 Synthetic Field Sport Surfacing (32 18 23)</b>		
<b>32 18 23 29-0001 Synthetic Turf (32 18 23 29)</b>		
<b>32 18 23 29-0002 Synthetic Turf (AstroTurf) (32 18 23 29-0001)</b>		
Note: Includes labor, equipment and material required to install the task.		
<b>32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) (32 18 23 29-0002)</b>		
<b>32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) (32 18 23 29-0003)</b>		
32 18 23 29-0005 SF 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38) .....	7.55	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0006 EA Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields .....	25,414.93	
32 18 23 29-0007 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields .....	20,715.57	
32 18 23 29-0008 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields .....	6,233.85	
Note: Per sport.		
32 18 23 29-0009 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields .....	2,301.73	
Note: Per letter. Excludes outline.		
32 18 23 29-0010 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields .....	2,205.82	
Note: Per endzone.		
32 18 23 29-0011 EA Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields .....	19,181.08	
Note: Block letter.		
32 18 23 29-0012 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields .....	27,812.57	
Note: Graphic.		
 <b>32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) (32 18 23 29-0003)</b>		
32 18 23 29-0014 SF 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41) .....	8.71	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0015 EA Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields .....	25,894.61	
32 18 23 29-0016 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields .....	21,482.94	
32 18 23 29-0017 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields .....	6,713.42	
Note: Per sport.		
32 18 23 29-0018 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields .....	2,493.56	
Note: Per letter. Excludes outline.		
32 18 23 29-0019 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields .....	2,301.74	
Note: Per endzone.		
32 18 23 29-0020 EA Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields .....	20,140.25	
Note: Block letter.		
32 18 23 29-0021 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields .....	29,203.37	
Note: Graphic.		
 <b>32 18 23 29-0022 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) (32 18 23 29-0003)</b>		
32 18 23 29-0023 SF 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45) .....	8.88	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0024 EA Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields .....	26,374.14	
32 18 23 29-0025 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields .....	23,209.25	
32 18 23 29-0026 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields .....	7,192.95	
Note: Per sport.		
32 18 23 29-0027 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields .....	2,685.37	
Note: Per letter. Excludes outline.		
32 18 23 29-0028 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields .....	2,397.65	
Note: Per endzone.		

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0029 EA Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields ..... Note: Block letter.	21,099.31	
32 18 23 29-0030 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields ..... Note: Graphic.	30,594.01	
<b>32 18 23 29-0031 Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) (32 18 23 29-0002)</b>		
<b>32 18 23 29-0032 52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) (32 18 23 29-0031)</b>		
32 18 23 29-0033 SF 52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52) ..... <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	9.97 0.10 0.20 0.25 0.30	
32 18 23 29-0034 EA Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields .....	27,333.04	
32 18 23 29-0035 EA Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields .....	29,155.24	
32 18 23 29-0036 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields ..... Note: Per sport.	8,151.96	
32 18 23 29-0037 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields..... Note: Per letter. Excludes outline.	3,068.97	
32 18 23 29-0038 EA Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields..... Note: Per endzone.	2,589.45	
32 18 23 29-0039 EA Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields..... Note: Block letter.	23,017.30	
32 18 23 29-0040 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields ..... Note: Graphic.	33,375.08	
<b>32 18 23 29-0041 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) (32 18 23 29-0031)</b>		
32 18 23 29-0042 SF 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60) ..... <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	10.32 0.10 0.20 0.25 0.30	
32 18 23 29-0043 EA Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields .....	27,812.57	
32 18 23 29-0044 EA Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields .....	32,416.03	
32 18 23 29-0045 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields ..... Note: Per sport.	8,631.49	
32 18 23 29-0046 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Per letter. Excludes outline.	3,260.78	
32 18 23 29-0047 EA Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Per endzone.	2,685.35	
32 18 23 29-0048 EA Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Block letter.	23,976.35	
32 18 23 29-0049 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields ..... Note: Graphic.	34,765.71	
<b>32 18 23 29-0050 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) (32 18 23 29-0031)</b>		
32 18 23 29-0051 SF 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52) ..... <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	10.33 0.10 0.20 0.25 0.30	
32 18 23 29-0052 EA Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	28,292.09	
32 18 23 29-0053 EA Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	32,607.84	
32 18 23 29-0054 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields ..... Note: Per sport.	9,111.01	
32 18 23 29-0055 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Per letter. Excludes outline.	3,452.59	
32 18 23 29-0056 EA Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields ..... Note: Per endzone.	2,781.26	
32 18 23 29-0057 EA Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Block letter.	24,935.40	
32 18 23 29-0058 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields ..... Note: Graphic.	36,156.34	
<b>32 18 23 29-0059 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) (32 18 23 29-0031)</b>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0060 SF 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60).....	10.53	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.20	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0061 EA Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	28,771.62	
32 18 23 29-0062 EA Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	34,717.75	
32 18 23 29-0063 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	9,590.54	
Note: Per sport.		
32 18 23 29-0064 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields.....	3,836.22	
Note: Per letter. Excludes outline.		
32 18 23 29-0065 EA Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields.....	2,877.16	
Note: Per endzone.		
32 18 23 29-0066 EA Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	25,894.46	
Note: Block letter.		
32 18 23 29-0067 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	37,546.96	
Note: Graphic.		
<b>32 18 23 29-0068 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) (32 18 23 29-0002)</b>		
<b>32 18 23 29-0069 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) (32 18 23 29-0068)</b>		
32 18 23 29-0070 SF 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38) .....	8.36	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.26	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0071 EA Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields .....	24,456.02	
32 18 23 29-0072 EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields .....	18,030.32	
32 18 23 29-0073 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields .....	5,274.83	
Note: Per sport.		
32 18 23 29-0074 EA Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields.....	1,918.12	
Note: Per letter. Excludes outline.		
32 18 23 29-0075 EA Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields.....	2,014.03	
Note: Per endzone.		
32 18 23 29-0076 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	17,263.08	
Note: Block letter.		
32 18 23 29-0077 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	25,031.46	
Note: Graphic.		
<b>32 18 23 29-0078 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) (32 18 23 29-0068)</b>		
32 18 23 29-0079 SF 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42) .....	7.32	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.26	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0080 EA Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields .....	24,935.40	
32 18 23 29-0081 EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields .....	19,181.08	
32 18 23 29-0082 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields .....	5,754.32	
Note: Per sport.		
32 18 23 29-0083 EA Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields.....	2,109.92	
Note: Per letter. Excludes outline.		
32 18 23 29-0084 EA Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields.....	2,109.92	
Note: Per endzone.		
32 18 23 29-0085 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	18,222.03	
Note: Block letter.		
32 18 23 29-0086 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	26,421.94	
Note: Graphic.		
<b>32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) (32 18 23 29-0002)</b>		
32 18 23 29-0088 SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....	16.68	
32 18 23 29-0089 SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®) .....	14.92	
32 18 23 29-0090 EA Football Markings For AstroTurf® PureGrass® Fields .....	47,323.06	
32 18 23 29-0091 EA Baseball Markings For AstroTurf® PureGrass® Fields .....	56,221.41	
32 18 23 29-0092 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields.....	13,752.00	
Note: Per sport.		
32 18 23 29-0093 EA Endzone Lettering For AstroTurf® PureGrass® Fields.....	5,258.12	
Note: Per letter. Excludes outline.		
32 18 23 29-0094 EA Colored Endzone For AstroTurf® PureGrass® Fields.....	3,902.93	
Note: Per endzone.		
32 18 23 29-0095 EA Simple Logo For AstroTurf® PureGrass® Fields.....	35,126.40	
Note: Block letter.		

<b>32</b>	<b>Exterior Improvements</b>
<b>32 10</b>	<b>Bases, Ballasts, and Paving</b>
<b>32 18</b>	<b>Athletic and Recreational Surfacing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0096 EA Deluxe Logo For AstroTurf® PureGrass® Fields..... Note: Graphic.	51,570.00	
<b>32 18 23 29-0097 Synthetic Turf (G9 Turf)</b> <small>(32 18 23 29-0001)</small> Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0098 SF 2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf) ..... Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos. <i>For &gt;35,000, Deduct</i>	9.12 -0.81	
32 18 23 29-0099 SF 2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf) ..... Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos. <i>For &gt;35,000, Deduct</i>	9.03 -0.81	
32 18 23 29-0100 SF 1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf) ..... Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.	9.44	
32 18 23 29-0101 EA Football Inlays For G9 Synthetic Turf..... Note: Includes field grid, numbers, arrows, coach's box and kick off lines.	65,439.49	
32 18 23 29-0102 EA Soccer Inlays For G9 Synthetic Turf .....	28,357.11	
32 18 23 29-0103 EA Boys Lacrosse Inlays For G9 Synthetic Turf .....	28,357.11	
32 18 23 29-0104 EA Girls Lacrosse Inlays For G9 Synthetic Turf .....	28,357.11	
32 18 23 29-0105 EA Field Hockey Inlays For G9 Synthetic Turf.....	28,357.11	
32 18 23 29-0106 EA Endzone Lettering For G9 Synthetic Turf..... Note: Priced per letter. Includes single color outlining.	3,271.97	
32 18 23 29-0107 SF Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf .....	3.06	
32 18 23 29-0108 SF Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf.....	8.00	
32 18 23 29-0109 SF Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf .....	2.28	
32 18 23 29-0110 SF Sand Infill For G9 Synthetic Turf.....	1.15	
32 18 23 29-0111 SF Acrylic Coated Sand Infill For G9 Synthetic Turf.....	1.89	
32 18 23 29-0112 EA Gmax Compaction And Hardness Test For G9 Synthetic Turf .....	2,181.32	
Note: Includes a comprehensive report.		
32 18 23 29-0113 EA Safety Bridge Over Track For G9 Synthetic Turf .....	21,813.16	
32 18 23 29-0114 SF Clean And Groom Synthetic Turf..... Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc. <i>For &gt;10,000 To 30,000, Deduct</i> <i>For &gt;30,000 To 60,000, Deduct</i> <i>For &gt;60,000, Deduct</i>	0.72 -0.29 -0.50 -0.55	
32 18 23 29-0115 SF Rejuvenate Synthetic Turf And Reinstall Existing Infill..... Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.	4.89	
32 18 23 29-0116 SF Rejuvenate Synthetic Turf For Installation Of New Infill..... Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.	5.43	
32 18 23 29-0117 SF Drainage Layer For G9 Synthetic Turf .....	4.46	
Note: Used for drainage over asphalt or on roof tops.		
32 18 23 29-0118 SF 15 mm, Shock Pad For G9 Synthetic Turf .....	2.74	
Note: Used for additional Gmax for a stone base field.		
32 18 23 29-0119 EA Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf .....	4,347.20	
Note: Includes field inspection and report.		
32 18 23 29-0120 LF Repair Inlay Lines Or Seams On G9 Synthetic Turf.....	11.95	
Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.		
32 18 23 29-0121 LF Nailer Used To Attach G9 Synthetic Turf.....	4.78	
32 18 23 29-0122 SF Removal And Recycling Of Existing Field..... Note: Includes removal, shipping and recycling of infill, fibers and backing.	3.37	
<b>32 18 23 33 Running Track Surfacing</b> <small>(32 18 23)</small>		
<b>32 18 23 33-0001 Running Track Surfacing</b> <small>(32 18 23 33)</small>		
32 18 23 33-0002 SY 2-1/2" Asphaltic Concrete Running Track Surfacing.....	27.94	
<b>32 18 23 33-0003 Running Track Seal And Colored Surfaces</b> <small>(32 18 23 33)</small>		
32 18 23 33-0004 SY 1 Seal Coat, Striping Of Track..... Note: Includes certification.	15.09	
<b>32 18 23 39 Synthetic Running Track Surfacing</b> <small>(32 18 23)</small>		
<b>32 18 23 39-0001 Synthetic Running Track Surfacing (XPLODE™) And Striping</b> <small>(32 18 23 39)</small> Note: Includes labor, equipment and material required to install the task. Excludes asphalt base.		
32 18 23 39-0002 SY Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing (XPLODE™ M100)..... <i>For Up To 4,000, Add</i> <i>For &gt;5,500, Deduct</i>	68.38 23.93 -7.52	6.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 39-0003 SY Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing (XPLODE™ MS200) .....	91.78	6.48
<i>For Up To 4,000, Add</i>	32.12	
<i>For &gt;5,500, Deduct</i>	-10.10	
<i>For Custom Color Upgrade, Add</i>	8.72	
<i>For Aliphatic Top Coating, Add</i>	16.52	
32 18 23 39-0004 SY Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing (XPLODE™ MSX500) .....	154.24	6.48
<i>For Up To 4,000, Add</i>	53.98	
<i>For &gt;5,500, Deduct</i>	-9.25	
<i>For Custom Color Upgrade, Add</i>	11.88	
<i>For Aliphatic Top Coating, Add</i>	22.06	
32 18 23 39-0005 SY Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing (XPLODE™ MSX5000) .....	199.23	6.48
<i>For Up To 4,000, Add</i>	69.73	
<i>For &gt;5,500, Deduct</i>	-11.95	
<i>For Custom Color Upgrade, Add</i>	15.54	
<i>For Aliphatic Top Coating, Add</i>	22.71	
32 18 23 39-0006 SY Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Lightning) .....	62.30	
<i>For Up To 4,000, Add</i>	21.81	
<i>For &gt;5,500, Deduct</i>	-6.85	
32 18 23 39-0007 SY Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Accelerator) .....	70.12	
<i>For Up To 4,000, Add</i>	24.54	
<i>For &gt;5,500, Deduct</i>	-10.17	
32 18 23 39-0008 SY Spray Retop XPLODE™ M100/MS200 Running Tracks .....	61.59	
<i>For Up To 4,000, Add</i>	21.56	
<i>For &gt;5,500, Deduct</i>	-6.02	
32 18 23 39-0009 SY Sandwich Retop XPLODE™ MSX500 Running Tracks .....	119.21	
<i>For Up To 4,000, Add</i>	41.72	
<i>For &gt;5,500, Deduct</i>	-12.56	
32 18 23 39-0010 SY Retop XPLODE™ Plexitrac® Lightning Running Tracks .....	34.67	
Note: Two layers.		
<i>For Up To 4,000, Add</i>	12.13	
<i>For &gt;5,500, Deduct</i>	-5.73	
32 18 23 39-0011 SY Retop XPLODE™ Plexitrac® Accelerator Running Tracks .....	42.22	
Note: Two layers.		
<i>For Up To 4,000, Add</i>	14.78	
<i>For &gt;5,500, Deduct</i>	-5.73	
32 18 23 39-0012 EA Restripe XPLODE™ Running Track .....	14,333.69	
Note: Includes two coats of acrylic resurfacer and two coats of color.		
<i>For College Track Restriping, Add</i>	2,606.12	
<b>32 18 23 53 Tennis Court Surfacing (32 18 23)</b>		
32 18 23 53-0001 Tennis Court Surfacing (32 18 23 53) See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.		
32 18 23 53-0002 SY Tennis Court Bituminous Pavement, 2-1/2" Thick .....	26.61	
32 18 23 53-0003 Tennis Court Markings (32 18 23 53)		
32 18 23 53-0004 EA Paint Markings On Asphalt Tennis Court 2 Coats .....	421.81	
<b>32 18 23 56 Natural Tennis Court Surfacing (32 18 23)</b>		
32 18 23 56-0001 SY Clay Tennis Court .....	35.87	
32 18 23 56-0002 SY Tennis Court, Pulverized Natural Greenstone, Fast Dry .....	39.80	
Note: Includes 4" base.		
32 18 23 56-0003 SY Tennis Court, Rubber-Cork Base Resilient Pavement .....	18.63	
32 18 23 56-0004 SY Resurface Clay Tennis Court .....	10.89	
32 18 23 56-0005 SY Resurface Tennis Court, Pulverized Natural Greenstone .....	9.35	
32 18 23 56-0006 SY Resurface Tennis Court, Resilient Pavement .....	7.98	
<b>32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing (32 18 23)</b>		
32 18 23 61-0001 100% Acrylic Athletic Surfacing System (Plexipave®) (32 18 23 61) Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0002 Surface Preparation For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0003 SY 100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat .....	1.59	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
32 18 23 61-0004 SY Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat .....	0.90	
Note: For previously uncoated portland cement concrete. Applied with broom.		
32 18 23 61-0005 SY Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat .....	2.33	
Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.		

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 61-0006 SY Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat.....	97.86	
Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.		
<b>32 18 23 61-0007 Surface Coatings For Athletic Surfacing System (Plexipave®)</b> (32 18 23 61-0001)		
Note: Standard color includes dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.		
32 18 23 61-0008 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat.....	3.73	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
For Pacific Blue, Add	0.23	
For US Open Blue, Add	0.81	
32 18 23 61-0009 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat.....	2.95	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
For Pacific Blue, Add	0.17	
For US Open Blue, Add	0.58	
32 18 23 61-0010 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat.....	2.52	
Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.		
For Pacific Blue, Add	0.13	
For US Open Blue, Add	0.45	
32 18 23 61-0011 SY Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat.....	2.68	
Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.		
For Pacific Blue, Add	0.07	
For US Open Or Australian Open Blue, Add	0.52	
For Pro Purple, Add	1.36	
<b>32 18 23 61-0012 Line Striping For Athletic Surfacing System (Plexipave®)</b> (32 18 23 61-0001)		
32 18 23 61-0013 SY Tennis Or Basketball Court Line Striping For Athletic Surfacing System, Per SY Of Court (California Products Plexipave® Hi-Hide Plexicolor®).....	1.43	
Note: Textured or non-textured highly reflective line marking paint.		
<b>32 18 23 61-0014 Cushion Coatings For Athletic Surfacing System (Plexipave® Plexicushion®)</b> (32 18 23 61-0001)		
32 18 23 61-0015 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat.....	6.42	
Note: Applied with rubber squeegee.		
32 18 23 61-0016 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat.....	8.94	
Note: Applied with rubber squeegee.		
32 18 23 61-0017 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat.....	7.62	
Note: Price per coat for third or additional coats. Applied with rubber squeegee.		
32 18 23 61-0018 SY Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat.....	5.58	
Note: Applied with rubber squeegee.		
32 18 23 61-0019 SY Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat.....	4.14	
Note: Price per coat for second or additional coats. Applied with rubber squeegee.		
<b>32 18 23 61-0020 Resurface Athletic Court</b> (32 18 23 61)		
Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0021 SY Court Resurfacing System, 2 Coats Resurfacer, 2 Coats Color, And Sand (SealMaster).....	2.44	
<b>32 30 Site Improvements</b> (32)		
<b>32 31 Fences and Gates</b> (32 30)		
<b>32 31 11 Gate Operators</b> (32 31)		
32 31 11 00-0001 Gate Operators (32 31 11)		
Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002 Swing Gate Actuator (DKS™ DoorKing®) (32 31 11 00-0001)		
32 31 11 00-0003 Single Gate, Swing Gate Actuator (32 31 11 00-0002)		
32 31 11 00-0004 EA Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003).....	1,941.47	198.37
Note: Includes one primary operator with a 10' wide gate capacity.		
32 31 11 00-0005 EA Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002).....	2,610.85	198.37
Note: Includes one primary operator with a 14' wide gate capacity.		
32 31 11 00-0006 Dual Gate, Swing Gate Actuator (32 31 11 00-0002)		
32 31 11 00-0007 EA Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003).....	3,882.96	396.73
Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.		



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0008 EA Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) ..... Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.	5,221.73	396.73
<b>32 31 11 00-0009 Swing Gate Operators (DKS™ DoorKing®)</b> (32 31 11 00-0001)		
<b>32 31 11 00-0010 Single Gate, Swing Gate Operators</b> (32 31 11 00-0009)		
32 31 11 00-0011 EA 400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050)..... Note: Includes one primary operator with a 10' wide and 400 LB gate capacity.	4,035.45	198.37
32 31 11 00-0012 EA 500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100)..... Note: Includes one primary operator with a 14' wide and 500 LB gate capacity.	4,395.88	198.37
32 31 11 00-0013 EA 700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)..... Note: Includes one primary operator with an 18' wide and 700 LB gate capacity.	5,992.11	198.37
For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0014 EA 800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)..... Note: Includes one primary operator with a 22' wide and 800 LB gate capacity.	6,798.81	198.37
For 208/230/460 Volt AC, Add	322.50	
<b>32 31 11 00-0015 Dual Gate, Swing Gate Operators</b> (32 31 11 00-0009)		
32 31 11 00-0016 EA 400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050)..... Note: Includes one primary and one secondary operator each with a 10' wide and 400 LB gate capacity.	7,126.90	396.73
32 31 11 00-0017 EA 500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100)..... Note: Includes one primary and one secondary operator each with a 14' wide and 500 LB gate capacity.	7,847.78	396.73
32 31 11 00-0018 EA 700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)..... Note: Includes one primary and one secondary operator each with an 18' wide and 700 LB gate capacity.	11,023.08	396.73
For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0019 EA 800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)..... Note: Includes one primary and one secondary operator each with a 22' wide and 800 LB gate capacity.	12,790.94	396.73
For 208/230/460 Volt AC, Add	322.50	
<b>32 31 11 00-0020 Sliding Gate Operators (DKS™ DoorKing®)</b> (32 31 11 00-0001)		
Note: Includes 20' of chain. See CSI section 32 31 11 00-0029 for additional chain over 20'.		
32 31 11 00-0021 EA 300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050)..... Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	1,777.66	198.37
32 31 11 00-0022 EA 1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100)..... Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	2,484.71	238.04
32 31 11 00-0023 EA 1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150)..... Note: Includes operator, chain brackets, hardware and 20' of #40 chain.	3,070.56	238.04
32 31 11 00-0024 EA 3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210)..... Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	4,007.75	277.72
32 31 11 00-0025 EA 2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220)..... Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	4,911.62	277.72
32 31 11 00-0026 EA 5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230)..... Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	6,698.30	317.39
32 31 11 00-0027 EA 5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530)..... Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	11,180.04	317.39
32 31 11 00-0028 EA 10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550)..... Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	18,942.36	357.07
<b>32 31 11 00-0029 Accessories For Gate Actuators And Operators (DKS™ DoorKing®)</b> (32 31 11 00-0001)		
32 31 11 00-0030 EA Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410).....	620.14	
32 31 11 00-0031 EA Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409).....	1,204.22	
32 31 11 00-0032 EA Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601).....	845.25	
32 31 11 00-0033 EA Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031).....	907.43	
32 31 11 00-0034 EA Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020).....	804.44	
32 31 11 00-0035 EA Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310).....	555.57	
32 31 11 00-0036 LF #40 Chain For Sliding Gate Operators.....	5.59	
32 31 11 00-0037 LF #41 Chain For Sliding Gate Operators.....	5.84	
32 31 11 00-0038 LF #50 Chain For Sliding Gate Operators.....	7.46	
32 31 11 00-0039 LF #60 Chain For Sliding Gate Operators.....	11.48	
32 31 11 00-0040 EA Exterior Keypad Gate Operator (Linear AK-11).....	653.82	130.63
<b>32 31 11 00-0041 Sliding Gate Operator (LiftMaster)</b> (32 31 11 00-0001)		

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 11 00-0042	EA	Up To 1,500 LB Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U).....	2,729.98	238.04
		Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoops (LMRRUL) and 5' Resistive Safety Edge (S505AL).		
		For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add	186.48	
		For Plug-In Loop Detector Option (Liftmaster LOOPDETLTM), Add	133.49	
		For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add	65.74	
		For 10 Watt Solar Panel (Liftmaster SP10W12V), Add	264.23	
		For Each Additional 10' Chain, Add	39.58	

**32 31 13 Chain Link Fences and Gates (32 31)****32 31 13 13 Chain Link Fences and Gates (32 31 13)****32 31 13 13-0001****Post Holes (32 31 13 13)**

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0025 for core drilling in concrete, 02 41 19 13-0163 for core drilling in asphalt.

**32 31 13 13-0002****Auger By Machine Fence Post Hole In Soil (32 31 13 13-0001)**

32 31 13 13-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	9.47	
32 31 13 13-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	10.66	
32 31 13 13-0005	VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	12.63	
32 31 13 13-0006	VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	14.21	
32 31 13 13-0007	VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	15.50	
32 31 13 13-0008	VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	17.05	
32 31 13 13-0009	VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	18.95	
32 31 13 13-0010	VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	21.32	
32 31 13 13-0011	VLF	18" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	24.37	
32 31 13 13-0012	VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	28.43	
32 31 13 13-0013	VLF	30" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	34.11	
32 31 13 13-0014	VLF	36" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	42.63	

**32 31 13 13-0015****Post Hole In Rock (32 31 13 13-0001)**

32 31 13 13-0016	CF	Jackhammer Post Hole In Rock.....	67.42	
32 31 13 13-0017	CF	Rock Drill Post Hole In Rock.....	21.08	

**32 31 13 13-0018****Fill For Post Holes (32 31 13 13-0001)****32 31 13 13-0019****Concrete Fill For Post Holes (32 31 13 13-0018)**

32 31 13 13-0020	VLF	Up To 2-1/2" Diameter, Concrete Fill For Post Hole .....	5.24	
32 31 13 13-0021	VLF	2-1/2" Diameter, Concrete Fill For Post Hole .....	6.74	
32 31 13 13-0022	VLF	3" Diameter, Concrete Fill For Post Hole .....	7.42	
32 31 13 13-0023	VLF	4" Diameter, Concrete Fill For Post Hole .....	8.52	
32 31 13 13-0024	VLF	6" Diameter, Concrete Fill For Post Hole .....	12.01	
32 31 13 13-0025	VLF	8" Diameter, Concrete Fill For Post Hole .....	16.03	
32 31 13 13-0026	VLF	10" Diameter, Concrete Fill For Post Hole .....	19.61	
32 31 13 13-0027	VLF	12" Diameter, Concrete Fill For Post Hole .....	22.87	
32 31 13 13-0028	VLF	18" Diameter, Concrete Fill For Post Hole .....	31.14	
32 31 13 13-0029	VLF	24" Diameter, Concrete Fill For Post Hole .....	38.63	
32 31 13 13-0030	VLF	30" Diameter, Concrete Fill For Post Hole .....	45.94	
32 31 13 13-0031	VLF	36" Diameter, Concrete Fill For Post Hole .....	53.51	

**32 31 13 13-0032****Grout Fill For Post Holes (32 31 13 13-0018)**

32 31 13 13-0033	VLF	Up To 2-1/2" Diameter, Grout Fill For Post Hole.....	6.22	
32 31 13 13-0034	VLF	2-1/2" Diameter, Grout Fill For Post Hole.....	8.01	
32 31 13 13-0035	VLF	3" Diameter, Grout Fill For Post Hole.....	8.72	
32 31 13 13-0036	VLF	4" Diameter, Grout Fill For Post Hole.....	9.79	
32 31 13 13-0037	VLF	6" Diameter, Grout Fill For Post Hole.....	13.68	
32 31 13 13-0038	VLF	8" Diameter, Grout Fill For Post Hole.....	18.26	
32 31 13 13-0039	VLF	10" Diameter, Grout Fill For Post Hole.....	22.25	
32 31 13 13-0040	VLF	12" Diameter, Grout Fill For Post Hole.....	25.83	
32 31 13 13-0041	VLF	18" Diameter, Grout Fill For Post Hole.....	34.53	
32 31 13 13-0042	VLF	24" Diameter, Grout Fill For Post Hole.....	42.18	
32 31 13 13-0043	VLF	30" Diameter, Grout Fill For Post Hole.....	49.58	
32 31 13 13-0044	VLF	36" Diameter, Grout Fill For Post Hole.....	57.17	

**32 31 13 13-0045****Compacted Earth Fill For Post Holes (32 31 13 13-0018)**

32 31 13 13-0046	VLF	Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole .....	4.41	
32 31 13 13-0047	VLF	2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	5.75	
32 31 13 13-0048	VLF	3" Diameter, Compacted Earth Fill For Post Hole.....	6.01	
32 31 13 13-0049	VLF	4" Diameter, Compacted Earth Fill For Post Hole.....	6.18	
32 31 13 13-0050	VLF	6" Diameter, Compacted Earth Fill For Post Hole.....	8.26	
32 31 13 13-0051	VLF	8" Diameter, Compacted Earth Fill For Post Hole.....	11.02	
32 31 13 13-0052	VLF	10" Diameter, Compacted Earth Fill For Post Hole.....	13.22	
32 31 13 13-0053	VLF	12" Diameter, Compacted Earth Fill For Post Hole.....	14.99	
32 31 13 13-0054	VLF	18" Diameter, Compacted Earth Fill For Post Hole.....	18.27	
32 31 13 13-0055	VLF	24" Diameter, Compacted Earth Fill For Post Hole.....	20.50	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0056 VLF 30" Diameter, Compacted Earth Fill For Post Hole.....	22.48	
32 31 13 13-0057 VLF 36" Diameter, Compacted Earth Fill For Post Hole.....	24.24	
<b>32 31 13 13-0058 Fence Posts</b> <small>(32 31 13 13)</small> Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
<b>32 31 13 13-0059 Fence Posts</b> <small>(32 31 13 13-0058)</small>		
<b>32 31 13 13-0060 1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel</b> <small>(32 31 13 13-0059)</small> Note: Includes cap and accessories.		
32 31 13 13-0061 LF 1-7/8" Galvanized H-beam Post, Up To 6' In Length .....	19.78	3.05
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0062 LF 1-7/8" Galvanized H-beam Post, 7' To 10' In Length .....	18.92	2.60
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0063 LF 1-7/8" Galvanized H-beam Post, 11' To 15' In Length .....	17.85	2.15
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0064 LF 1-7/8" Galvanized H-beam Post, 16' To 20' In Length .....	17.01	1.69
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0065 LF 1-7/8" Galvanized H-beam Post, 21' To 24' In Length .....	16.44	1.47
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0066 LF 1-7/8" Galvanized H-beam Post, >24' In Length.....	15.55	1.02
For Each Top Rail Fitting, Add	0.85	
<b>32 31 13 13-0067 Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal)</b> <small>(32 31 13 13-0059)</small> Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0068 LF Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post .....	13.46	2.83
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.95	
For Vinyl Coated, Add	4.69	
For Powder Coated, Add	6.25	
For Aluminum Coated, Add	9.76	
For Schedule 20, Deduct	-1.56	
For Schedule 80, Add	4.31	
32 31 13 13-0069 LF 7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post .....	12.51	2.38
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.93	
For Vinyl Coated, Add	4.64	
For Powder Coated, Add	6.18	
For Aluminum Coated, Add	9.66	
For Schedule 20, Deduct	-1.55	
For Schedule 80, Add	4.19	
32 31 13 13-0070 LF 11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	11.50	1.92
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.92	
For Vinyl Coated, Add	4.61	
For Powder Coated, Add	6.15	
For Aluminum Coated, Add	9.61	
For Schedule 20, Deduct	-1.54	
For Schedule 80, Add	4.07	
32 31 13 13-0071 LF 16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	10.72	1.47
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.92	
For Vinyl Coated, Add	4.60	
For Powder Coated, Add	6.14	
For Aluminum Coated, Add	9.59	
For Schedule 20, Deduct	-1.53	
For Schedule 80, Add	3.99	
32 31 13 13-0072 LF 21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	10.21	1.25
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.92	
For Vinyl Coated, Add	4.60	
For Powder Coated, Add	6.13	
For Aluminum Coated, Add	9.58	
For Schedule 20, Deduct	-1.53	
For Schedule 80, Add	3.93	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0073 LF >24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	9.65	1.02
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.92	
For Vinyl Coated, Add	4.60	
For Powder Coated, Add	6.13	
For Aluminum Coated, Add	9.58	
For Schedule 20, Deduct	-1.53	
For Schedule 80, Add	3.88	
<b>32 31 13 13-0074 Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) (32 31 13 13-0059)</b>		
Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0075 LF 2" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....	15.40	2.94
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.39	
For Vinyl Coated, Add	5.73	
For Powder Coated, Add	7.64	
For Aluminum Coated, Add	11.94	
For Schedule 20, Deduct	-1.91	
For Schedule 80, Add	5.17	
32 31 13 13-0076 LF 2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length .....	14.52	2.49
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.36	
For Vinyl Coated, Add	5.67	
For Powder Coated, Add	7.56	
For Aluminum Coated, Add	11.81	
For Schedule 20, Deduct	-1.89	
For Schedule 80, Add	5.04	
32 31 13 13-0077 LF 2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....	13.44	2.04
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.35	
For Vinyl Coated, Add	5.64	
For Powder Coated, Add	7.52	
For Aluminum Coated, Add	11.75	
For Schedule 20, Deduct	-1.88	
For Schedule 80, Add	4.92	
32 31 13 13-0078 LF 2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....	12.62	1.58
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.35	
For Vinyl Coated, Add	5.63	
For Powder Coated, Add	7.50	
For Aluminum Coated, Add	11.73	
For Schedule 20, Deduct	-1.88	
For Schedule 80, Add	4.83	
32 31 13 13-0079 LF 2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length .....	12.05	1.36
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.34	
For Vinyl Coated, Add	5.62	
For Powder Coated, Add	7.49	
For Aluminum Coated, Add	11.70	
For Schedule 20, Deduct	-1.87	
For Schedule 80, Add	4.76	
32 31 13 13-0080 LF 2" Outside Diameter Galvanized Steel Post, >24' In Length.....	11.55	1.13
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.34	
For Vinyl Coated, Add	5.62	
For Powder Coated, Add	7.49	
For Aluminum Coated, Add	11.70	
For Schedule 20, Deduct	-1.87	
For Schedule 80, Add	4.71	
<b>32 31 13 13-0081 Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) (32 31 13 13-0059)</b>		
Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		





<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0082 LF 2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	18.81	3.17
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.16	
For Vinyl Coated, Add	7.58	
For Powder Coated, Add	10.11	
For Aluminum Coated, Add	15.80	
For Schedule 20, Deduct	-2.53	
For Schedule 80, Add	6.68	
32 31 13 13-0083 LF 2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	17.84	2.71
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.13	
For Vinyl Coated, Add	7.52	
For Powder Coated, Add	10.02	
For Aluminum Coated, Add	15.66	
For Schedule 20, Deduct	-2.51	
For Schedule 80, Add	6.55	
32 31 13 13-0084 LF 2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	16.71	2.15
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.12	
For Vinyl Coated, Add	7.48	
For Powder Coated, Add	9.98	
For Aluminum Coated, Add	15.59	
For Schedule 20, Deduct	-2.49	
For Schedule 80, Add	6.41	
32 31 13 13-0085 LF 2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	15.84	1.69
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.11	
For Vinyl Coated, Add	7.46	
For Powder Coated, Add	9.95	
For Aluminum Coated, Add	15.55	
For Schedule 20, Deduct	-2.49	
For Schedule 80, Add	6.31	
32 31 13 13-0086 LF 2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length.....	15.26	1.47
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.11	
For Vinyl Coated, Add	7.46	
For Powder Coated, Add	9.94	
For Aluminum Coated, Add	15.54	
For Schedule 20, Deduct	-2.49	
For Schedule 80, Add	6.25	
32 31 13 13-0087 LF 2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length.....	14.72	1.13
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.11	
For Vinyl Coated, Add	7.46	
For Powder Coated, Add	9.94	
For Aluminum Coated, Add	15.54	
For Schedule 20, Deduct	-2.49	
For Schedule 80, Add	6.20	
<b>32 31 13 13-0088 Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) (32 31 13 13-0059)</b>		
Note: 3" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0089 LF 3" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	25.84	3.40
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	4.77	
For Vinyl Coated, Add	11.44	
For Powder Coated, Add	15.25	
For Aluminum Coated, Add	23.83	
For Schedule 20, Deduct	-3.81	
For Schedule 80, Add	9.83	
32 31 13 13-0090 LF 3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	24.68	2.94
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	4.71	
For Vinyl Coated, Add	11.30	
For Powder Coated, Add	15.06	
For Aluminum Coated, Add	23.54	
For Schedule 20, Deduct	-3.77	
For Schedule 80, Add	9.62	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0091 LF 3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....	23.42	2.38
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	4.68	
For Vinyl Coated, Add	11.23	
For Powder Coated, Add	14.97	
For Aluminum Coated, Add	23.39	
For Schedule 20, Deduct	-3.74	
For Schedule 80, Add	9.45	
32 31 13 13-0092 LF 3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....	22.42	1.92
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	4.66	
For Vinyl Coated, Add	11.19	
For Powder Coated, Add	14.92	
For Aluminum Coated, Add	23.31	
For Schedule 20, Deduct	-3.73	
For Schedule 80, Add	9.33	
32 31 13 13-0093 LF 3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length .....	21.76	1.58
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	4.66	
For Vinyl Coated, Add	11.17	
For Powder Coated, Add	14.90	
For Aluminum Coated, Add	23.28	
For Schedule 20, Deduct	-3.72	
For Schedule 80, Add	9.25	
32 31 13 13-0094 LF 3" Outside Diameter Galvanized Steel Post, >24' In Length .....	21.17	1.25
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	4.66	
For Vinyl Coated, Add	11.17	
For Powder Coated, Add	14.90	
For Aluminum Coated, Add	23.28	
For Schedule 20, Deduct	-3.72	
For Schedule 80, Add	9.19	
<b>32 31 13 13-0095 Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal)</b> (32 31 13 13-0059)		
Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0096 LF 4" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....	38.24	3.61
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	7.77	
For Vinyl Coated, Add	18.65	
For Powder Coated, Add	24.87	
For Aluminum Coated, Add	38.86	
For Schedule 20, Deduct	-6.22	
For Schedule 80, Add	15.64	
32 31 13 13-0097 LF 4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length .....	36.61	2.94
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	7.67	
For Vinyl Coated, Add	18.40	
For Powder Coated, Add	24.53	
For Aluminum Coated, Add	38.33	
For Schedule 20, Deduct	-6.13	
For Schedule 80, Add	15.31	
32 31 13 13-0098 LF 4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....	35.41	2.49
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	7.61	
For Vinyl Coated, Add	18.27	
For Powder Coated, Add	24.36	
For Aluminum Coated, Add	38.06	
For Schedule 20, Deduct	-6.09	
For Schedule 80, Add	15.11	
32 31 13 13-0099 LF 4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....	34.31	2.04
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	7.59	
For Vinyl Coated, Add	18.20	
For Powder Coated, Add	24.27	
For Aluminum Coated, Add	37.93	
For Schedule 20, Deduct	-6.07	
For Schedule 80, Add	14.96	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0100 LF 4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	34.26	2.04
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	7.57	
For Vinyl Coated, Add	18.17	
For Powder Coated, Add	24.23	
For Aluminum Coated, Add	37.86	
For Schedule 20, Deduct	-6.06	
For Schedule 80, Add	14.94	
32 31 13 13-0101 LF 4" Outside Diameter Galvanized Steel Post, >24' In Length.....	33.11	1.47
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	7.57	
For Vinyl Coated, Add	18.17	
For Powder Coated, Add	24.22	
For Aluminum Coated, Add	37.85	
For Schedule 20, Deduct	-6.06	
For Schedule 80, Add	14.82	
<b>32 31 13 13-0102 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal)</b> <small>(32 31 13 13-0059)</small>		
<small>Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.</small>		
32 31 13 13-0103 LF 6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	75.64	3.96
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	16.93	
For Vinyl Coated, Add	40.62	
For Powder Coated, Add	54.16	
For Aluminum Coated, Add	84.63	
For Schedule 20, Deduct	-13.54	
For Schedule 80, Add	33.29	
32 31 13 13-0104 LF 6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	72.74	3.28
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	16.52	
For Vinyl Coated, Add	39.65	
For Powder Coated, Add	52.86	
For Aluminum Coated, Add	82.60	
For Schedule 20, Deduct	-13.22	
For Schedule 80, Add	32.38	
32 31 13 13-0105 LF 6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	70.79	2.71
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	16.32	
For Vinyl Coated, Add	39.17	
For Powder Coated, Add	52.22	
For Aluminum Coated, Add	81.60	
For Schedule 20, Deduct	-13.06	
For Schedule 80, Add	31.89	
32 31 13 13-0106 LF 6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	69.27	2.15
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	16.22	
For Vinyl Coated, Add	38.92	
For Powder Coated, Add	51.90	
For Aluminum Coated, Add	81.09	
For Schedule 20, Deduct	-12.97	
For Schedule 80, Add	31.58	
32 31 13 13-0107 LF 6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	68.44	1.92
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	16.17	
For Vinyl Coated, Add	38.80	
For Powder Coated, Add	51.74	
For Aluminum Coated, Add	80.84	
For Schedule 20, Deduct	-12.93	
For Schedule 80, Add	31.42	
32 31 13 13-0108 LF 6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	67.77	1.58
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	16.16	
For Vinyl Coated, Add	38.78	
For Powder Coated, Add	51.70	
For Aluminum Coated, Add	80.79	
For Schedule 20, Deduct	-12.93	
For Schedule 80, Add	31.34	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0109			<b>Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal)</b> <small>(32 31 13 13-0059)</small> Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0110	LF		8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	147.28	4.41
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	34.62	
			<i>For Vinyl Coated, Add</i>	83.08	
			<i>For Powder Coated, Add</i>	110.78	
			<i>For Aluminum Coated, Add</i>	173.09	
			<i>For Schedule 20, Deduct</i>	-27.69	
			<i>For Schedule 80, Add</i>	67.35	
32 31 13 13-0111	LF		8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	142.64	3.73
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	33.82	
			<i>For Vinyl Coated, Add</i>	81.16	
			<i>For Powder Coated, Add</i>	108.21	
			<i>For Aluminum Coated, Add</i>	169.08	
			<i>For Schedule 20, Deduct</i>	-27.05	
			<i>For Schedule 80, Add</i>	65.66	
32 31 13 13-0112	LF		8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	139.77	3.05
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	33.42	
			<i>For Vinyl Coated, Add</i>	80.20	
			<i>For Powder Coated, Add</i>	106.93	
			<i>For Aluminum Coated, Add</i>	167.08	
			<i>For Schedule 20, Deduct</i>	-26.73	
			<i>For Schedule 80, Add</i>	64.77	
32 31 13 13-0113	LF		8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	137.70	2.38
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	33.21	
			<i>For Vinyl Coated, Add</i>	79.71	
			<i>For Powder Coated, Add</i>	106.28	
			<i>For Aluminum Coated, Add</i>	166.06	
			<i>For Schedule 20, Deduct</i>	-26.57	
			<i>For Schedule 80, Add</i>	64.25	
32 31 13 13-0114	LF		8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	136.64	2.04
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	33.11	
			<i>For Vinyl Coated, Add</i>	79.47	
			<i>For Powder Coated, Add</i>	105.96	
			<i>For Aluminum Coated, Add</i>	165.56	
			<i>For Schedule 20, Deduct</i>	-26.49	
			<i>For Schedule 80, Add</i>	64.00	
32 31 13 13-0115	LF		8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	135.87	1.69
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	33.09	
			<i>For Vinyl Coated, Add</i>	79.42	
			<i>For Powder Coated, Add</i>	105.90	
			<i>For Aluminum Coated, Add</i>	165.46	
			<i>For Schedule 20, Deduct</i>	-26.47	
			<i>For Schedule 80, Add</i>	63.89	
32 31 13 13-0116			<b>Driven Post Supports</b> <small>(32 31 13 13)</small> Note: OZ-Post.		
32 31 13 13-0117			<b>Driven Post Support For Round Chain Link Fence Posts</b> <small>(32 31 13 13-0116)</small>		
32 31 13 13-0118	EA		26" Driven Post Support For 1-5/8" Round Chain Link Fence Post..... Note: OZ-Post GB-700.	70.94	
32 31 13 13-0119	EA		26" Driven Post Support For 1-7/8" To 2" Round Chain Link Fence Post..... Note: OZ-Post HB-700.	70.94	
32 31 13 13-0120	EA		26" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post..... Note: OZ-Post IS-600.	72.79	
32 31 13 13-0121	EA		32" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post..... Note: OZ-Post ISW-850.	87.48	
32 31 13 13-0122			<b>Driven Post Support For Square Ornamental Fence Posts</b> <small>(32 31 13 13-0116)</small>		
32 31 13 13-0123	EA		34" Driven Post Support For 1-3/4" Square Ornamental Fence Post..... Note: OZ-Post C175-850.	81.93	
32 31 13 13-0124	EA		24" Driven Post Support For 2" Square Ornamental Fence Post..... Note: OZ-Post I2-600.	79.16	
32 31 13 13-0125	EA		34" Driven Post Support For 2" Square Ornamental Fence Post..... Note: OZ-Post I2-850.	82.49	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0126 EA 34" Driven Post Support For 2-1/2" Square Ornamental Fence Post ..... Note: OZ-Post I25-850.	87.48	
32 31 13 13-0127 EA 34" Driven Post Support For 3" Square Ornamental Fence Post..... Note: OZ-Post I3-850.	87.48	
<b>32 31 13 13-0128 Driven Post Support For Wooden Fence Posts</b> <small>(32 31 13 13-0116)</small>		
32 31 13 13-0129 EA 24" Driven Post Support For 3-1/2" Square Wooden Fence Post..... Note: OZ-Post T4-600.	80.79	
32 31 13 13-0130 EA 34" Driven Post Support For 3-1/2" Square Wooden Fence Post..... Note: OZ-Post T4-850.	84.70	
32 31 13 13-0131 EA 34" Driven Post Support For 3-3/4" Square Wooden Fence Post..... Note: OZ-Post C4-850.	91.17	
32 31 13 13-0132 EA 34" Driven Post Support For 4" Square Wooden Fence Post..... Note: OZ-Post P4-850.	91.17	
32 31 13 13-0133 EA 36" Driven Post Support For 4" x 6" Wooden Fence Post ..... Note: OZ-Post T46-850.	103.18	
32 31 13 13-0134 EA 36" Driven Post Support For 6" Square Wooden Fence Post..... Note: OZ-Post T6-850.	111.68	
<b>32 31 13 13-0135 Driven Post Support For Vinyl Fence Posts</b> <small>(32 31 13 13-0116)</small>		
32 31 13 13-0136 EA 24" Driven Post Support For 3-1/2" Square Vinyl Fence Post ..... Note: OZ-Post T4-600.	80.79	
32 31 13 13-0137 EA 34" Driven Post Support For 3-1/2" Square Vinyl Fence Post ..... Note: OZ-Post T4-850.	84.70	
32 31 13 13-0138 EA 34" Driven Post Support For 4" Square Vinyl Fence Post..... Note: OZ-Post P4-850.	91.17	
32 31 13 13-0139 EA 34" Driven Post Support For 5" Square Vinyl Fence Post..... Note: OZ-Post P4-850.	92.65	
<b>32 31 13 13-0140 Chain Link Fence Assemblies</b> <small>(32 31 13 13)</small>		
<b>32 31 13 13-0141 Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts</b> <small>(32 31 13 13-0140)</small>		
Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvage), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0653 for barb wire attachments.		
<b>32 31 13 13-0142 Galvanized</b> <small>(32 31 13 13-0141)</small>		
32 31 13 13-0143 LF 3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post ..... <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	38.60	3.84
32 31 13 13-0144 LF 3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post..... <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	40.17	3.84

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0145	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	41.54	3.84
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.85	
		<i>For 13 Gauge Fabric, Deduct</i>	-9.04	
		<i>For 11 Gauge Fabric, Deduct</i>	-5.28	
		<i>For 6 Gauge Fabric, Add</i>	8.29	
		<i>For 1" Mesh Fabric, Add</i>	11.31	
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.52	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.26	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.02	
		<i>For Posts 8' On Centers, Add</i>	2.26	
		<i>For Posts 5' On Centers, Add</i>	8.49	
		<i>For Up To 100, Add</i>	7.79	
		<i>For &gt;100 To 250, Add</i>	2.85	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.43	
		<i>For &gt;5,000, Deduct</i>	-2.85	
32 31 13 13-0146	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	44.76	3.84
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.04	
		<i>For 13 Gauge Fabric, Deduct</i>	-9.98	
		<i>For 11 Gauge Fabric, Deduct</i>	-5.83	
		<i>For 6 Gauge Fabric, Add</i>	9.16	
		<i>For 1" Mesh Fabric, Add</i>	12.49	
		<i>For 1-3/4" Mesh Fabric, Add</i>	5.00	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.50	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.33	
		<i>For Posts 8' On Centers, Add</i>	2.43	
		<i>For Posts 5' On Centers, Add</i>	9.10	
		<i>For Up To 100, Add</i>	8.32	
		<i>For &gt;100 To 250, Add</i>	3.04	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.52	
		<i>For &gt;5,000, Deduct</i>	-3.04	
32 31 13 13-0147	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	48.55	3.84
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.28	
		<i>For 13 Gauge Fabric, Deduct</i>	-10.94	
		<i>For 11 Gauge Fabric, Deduct</i>	-6.39	
		<i>For 6 Gauge Fabric, Add</i>	10.04	
		<i>For 1" Mesh Fabric, Add</i>	13.69	
		<i>For 1-3/4" Mesh Fabric, Add</i>	5.48	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.74	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.65	
		<i>For Posts 8' On Centers, Add</i>	2.63	
		<i>For Posts 5' On Centers, Add</i>	9.85	
		<i>For Up To 100, Add</i>	8.99	
		<i>For &gt;100 To 250, Add</i>	3.28	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.64	
		<i>For &gt;5,000, Deduct</i>	-3.28	
32 31 13 13-0148	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	50.43	5.76
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.41	
		<i>For 13 Gauge Fabric, Deduct</i>	-11.37	
		<i>For 11 Gauge Fabric, Deduct</i>	-6.64	
		<i>For 6 Gauge Fabric, Add</i>	10.43	
		<i>For 1" Mesh Fabric, Add</i>	14.23	
		<i>For 1-3/4" Mesh Fabric, Add</i>	5.69	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.85	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.79	
		<i>For Posts 8' On Centers, Add</i>	2.73	
		<i>For Posts 5' On Centers, Add</i>	10.23	
		<i>For Up To 100, Add</i>	9.34	
		<i>For &gt;100 To 250, Add</i>	3.41	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.70	
		<i>For &gt;5,000, Deduct</i>	-3.41	
32 31 13 13-0149	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	57.28	6.73
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.81	
		<i>For 13 Gauge Fabric, Deduct</i>	-13.35	
		<i>For 11 Gauge Fabric, Deduct</i>	-7.80	
		<i>For 6 Gauge Fabric, Add</i>	12.25	
		<i>For 1" Mesh Fabric, Add</i>	16.71	
		<i>For 1-3/4" Mesh Fabric, Add</i>	6.68	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.34	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.46	
		<i>For Posts 8' On Centers, Add</i>	3.09	
		<i>For Posts 5' On Centers, Add</i>	11.54	
		<i>For Up To 100, Add</i>	10.48	
		<i>For &gt;100 To 250, Add</i>	3.81	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.90	
		<i>For &gt;5,000, Deduct</i>	-3.81	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0150 LF 9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	61.15	8.65
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.05	
<i>For 13 Gauge Fabric, Deduct</i>	-14.38	
<i>For 11 Gauge Fabric, Deduct</i>	-8.40	
<i>For 6 Gauge Fabric, Add</i>	13.20	
<i>For 1" Mesh Fabric, Add</i>	18.00	
<i>For 1-3/4" Mesh Fabric, Add</i>	7.20	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.60	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.80	
<i>For Posts 8' On Centers, Add</i>	3.29	
<i>For Posts 5' On Centers, Add</i>	12.29	
<i>For Up To 100, Add</i>	11.15	
<i>For &gt;100 To 250, Add</i>	4.05	
<i>For &gt;2,500 To 5,000, Deduct</i>	-2.02	
<i>For &gt;5,000, Deduct</i>	-4.05	
32 31 13 13-0151 LF 10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	65.05	9.61
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.29	
<i>For 13 Gauge Fabric, Deduct</i>	-15.42	
<i>For 11 Gauge Fabric, Deduct</i>	-9.01	
<i>For 6 Gauge Fabric, Add</i>	14.15	
<i>For 1" Mesh Fabric, Add</i>	19.30	
<i>For 1-3/4" Mesh Fabric, Add</i>	7.72	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.86	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.15	
<i>For Posts 8' On Centers, Add</i>	3.50	
<i>For Posts 5' On Centers, Add</i>	13.05	
<i>For Up To 100, Add</i>	11.83	
<i>For &gt;100 To 250, Add</i>	4.29	
<i>For &gt;2,500 To 5,000, Deduct</i>	-2.14	
<i>For &gt;5,000, Deduct</i>	-4.29	
32 31 13 13-0152 LF 12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	72.32	11.54
<i>For Each Additional Foot &gt;12, Add</i>	3.99	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.74	
<i>For 13 Gauge Fabric, Deduct</i>	-17.34	
<i>For 11 Gauge Fabric, Deduct</i>	-10.13	
<i>For 6 Gauge Fabric, Add</i>	15.92	
<i>For 1" Mesh Fabric, Add</i>	21.71	
<i>For 1-3/4" Mesh Fabric, Add</i>	8.68	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-4.34	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.79	
<i>For Posts 8' On Centers, Add</i>	3.88	
<i>For Posts 5' On Centers, Add</i>	14.47	
<i>For Up To 100, Add</i>	13.09	
<i>For &gt;100 To 250, Add</i>	4.74	
<i>For &gt;2,500 To 5,000, Deduct</i>	-2.37	
<i>For &gt;5,000, Deduct</i>	-4.74	
<b>32 31 13 13-0153 Vinyl Coated</b> <small>(32 31 13 13-0141)</small>		
32 31 13 13-0154 LF 4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	43.13	3.84
<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.14	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.93	
<i>For 13 Gauge Fabric, Deduct</i>	-9.59	
<i>For 11 Gauge Fabric, Deduct</i>	-5.60	
<i>For 6 Gauge Fabric, Add</i>	8.80	
<i>For 1" Mesh Fabric, Add</i>	12.00	
<i>For 1-3/4" Mesh Fabric, Add</i>	4.80	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.40	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.20	
<i>For Posts 8' On Centers, Add</i>	2.34	
<i>For Posts 5' On Centers, Add</i>	8.77	
<i>For Up To 100, Add</i>	8.02	
<i>For &gt;100 To 250, Add</i>	2.93	
<i>For &gt;2,500 To 5,000, Deduct</i>	-1.47	
<i>For &gt;5,000, Deduct</i>	-2.93	
32 31 13 13-0155 LF 5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	46.77	3.84
<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.61	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.14	
<i>For 13 Gauge Fabric, Deduct</i>	-10.68	
<i>For 11 Gauge Fabric, Deduct</i>	-6.24	
<i>For 6 Gauge Fabric, Add</i>	9.80	
<i>For 1" Mesh Fabric, Add</i>	13.37	
<i>For 1-3/4" Mesh Fabric, Add</i>	5.35	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.67	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.56	
<i>For Posts 8' On Centers, Add</i>	2.53	
<i>For Posts 5' On Centers, Add</i>	9.46	
<i>For Up To 100, Add</i>	8.62	
<i>For &gt;100 To 250, Add</i>	3.14	
<i>For &gt;2,500 To 5,000, Deduct</i>	-1.57	
<i>For &gt;5,000, Deduct</i>	-3.14	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0156	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	52.61	3.84
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	5.33	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.48	
		<i>For 13 Gauge Fabric, Deduct</i>	-12.35	
		<i>For 11 Gauge Fabric, Deduct</i>	-7.21	
		<i>For 6 Gauge Fabric, Add</i>	11.33	
		<i>For 1" Mesh Fabric, Add</i>	15.46	
		<i>For 1-3/4" Mesh Fabric, Add</i>	6.18	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.09	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.12	
		<i>For Posts 8' On Centers, Add</i>	2.84	
		<i>For Posts 5' On Centers, Add</i>	10.58	
		<i>For Up To 100, Add</i>	9.60	
		<i>For &gt;100 To 250, Add</i>	3.48	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.74	
		<i>For &gt;5,000, Deduct</i>	-3.48	
32 31 13 13-0157	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	55.16	5.76
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	5.62	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.64	
		<i>For 13 Gauge Fabric, Deduct</i>	-13.01	
		<i>For 11 Gauge Fabric, Deduct</i>	-7.60	
		<i>For 6 Gauge Fabric, Add</i>	11.94	
		<i>For 1" Mesh Fabric, Add</i>	16.29	
		<i>For 1-3/4" Mesh Fabric, Add</i>	6.51	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.26	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.34	
		<i>For Posts 8' On Centers, Add</i>	2.97	
		<i>For Posts 5' On Centers, Add</i>	11.08	
		<i>For Up To 100, Add</i>	10.05	
		<i>For &gt;100 To 250, Add</i>	3.64	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.82	
		<i>For &gt;5,000, Deduct</i>	-3.64	
32 31 13 13-0158	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	62.80	6.73
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	6.59	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.08	
		<i>For 13 Gauge Fabric, Deduct</i>	-15.27	
		<i>For 11 Gauge Fabric, Deduct</i>	-8.92	
		<i>For 6 Gauge Fabric, Add</i>	14.01	
		<i>For 1" Mesh Fabric, Add</i>	19.11	
		<i>For 1-3/4" Mesh Fabric, Add</i>	7.64	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.82	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.10	
		<i>For Posts 8' On Centers, Add</i>	3.37	
		<i>For Posts 5' On Centers, Add</i>	12.53	
		<i>For Up To 100, Add</i>	11.31	
		<i>For &gt;100 To 250, Add</i>	4.08	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-2.04	
		<i>For &gt;5,000, Deduct</i>	-4.08	
32 31 13 13-0159	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	67.07	8.65
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	7.10	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.34	
		<i>For 13 Gauge Fabric, Deduct</i>	-16.44	
		<i>For 11 Gauge Fabric, Deduct</i>	-9.60	
		<i>For 6 Gauge Fabric, Add</i>	15.09	
		<i>For 1" Mesh Fabric, Add</i>	20.58	
		<i>For 1-3/4" Mesh Fabric, Add</i>	8.23	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-4.12	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.49	
		<i>For Posts 8' On Centers, Add</i>	3.59	
		<i>For Posts 5' On Centers, Add</i>	13.36	
		<i>For Up To 100, Add</i>	12.04	
		<i>For &gt;100 To 250, Add</i>	4.34	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-2.17	
		<i>For &gt;5,000, Deduct</i>	-4.34	
32 31 13 13-0160	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	71.37	9.61
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	7.60	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.60	
		<i>For 13 Gauge Fabric, Deduct</i>	-17.61	
		<i>For 11 Gauge Fabric, Deduct</i>	-10.29	
		<i>For 6 Gauge Fabric, Add</i>	16.17	
		<i>For 1" Mesh Fabric, Add</i>	22.05	
		<i>For 1-3/4" Mesh Fabric, Add</i>	8.82	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-4.41	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.88	
		<i>For Posts 8' On Centers, Add</i>	3.82	
		<i>For Posts 5' On Centers, Add</i>	14.19	
		<i>For Up To 100, Add</i>	12.77	
		<i>For &gt;100 To 250, Add</i>	4.60	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-2.30	
		<i>For &gt;5,000, Deduct</i>	-4.60	





<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0161 LF 12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	77.88	11.54
<i>For Each Additional Foot &gt;12, Add</i>	4.24	
<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	8.32	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	5.01	
<i>For 13 Gauge Fabric, Deduct</i>	-19.28	
<i>For 11 Gauge Fabric, Deduct</i>	-11.26	
<i>For 6 Gauge Fabric, Add</i>	17.69	
<i>For 1" Mesh Fabric, Add</i>	24.13	
<i>For 1-3/4" Mesh Fabric, Add</i>	9.65	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-4.83	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-6.43	
<i>For Posts 8' On Centers, Add</i>	4.16	
<i>For Posts 5' On Centers, Add</i>	15.48	
<i>For Up To 100, Add</i>	13.92	
<i>For &gt;100 To 250, Add</i>	5.01	
<i>For &gt;2,500 To 5,000, Deduct</i>	-2.51	
<i>For &gt;5,000, Deduct</i>	-5.01	
<b>32 31 13 13-0162 Rails</b> <small>(32 31 13 13)</small>		
Note: Includes rail end fittings.		
<b>32 31 13 13-0163 SS-20 Chain Link Fence Rails</b> <small>(32 31 13 13-0162)</small>		
Note: Includes tie wires.		
32 31 13 13-0164 LF 1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	6.96	1.25
<i>For SS15, Deduct</i>	-0.44	
<i>For SS40, Add</i>	1.09	
32 31 13 13-0165 LF 1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	8.43	1.25
<i>For SS40, Add</i>	0.58	
<i>For Powder Coated, Add</i>	1.17	
<i>For Aluminum Coated, Add</i>	2.33	
32 31 13 13-0166 LF 1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	8.64	1.42
<i>For SS15, Deduct</i>	-0.58	
<i>For SS40, Add</i>	1.45	
32 31 13 13-0167 LF 1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	10.60	1.42
<i>For SS40, Add</i>	0.78	
<i>For Powder Coated, Add</i>	1.55	
<i>For Aluminum Coated, Add</i>	3.11	
32 31 13 13-0168 LF 2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	10.14	1.58
<i>For SS40, Add</i>	1.74	
32 31 13 13-0169 LF 2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	12.49	1.58
<i>For SS40, Add</i>	0.93	
<i>For Powder Coated, Add</i>	1.86	
<i>For Aluminum Coated, Add</i>	3.73	
<b>32 31 13 13-0170 Fabric</b> <small>(32 31 13 13)</small>		
<b>32 31 13 13-0171 Fabric, Galvanized Chain Link</b> <small>(32 31 13 13-0170)</small>		
32 31 13 13-0172 LF 3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	11.26	2.26
<i>For 1-1/4" Mesh Fabric, Add</i>	1.09	
<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	0.98	
<i>For 13 Gauge Fabric, Deduct</i>	-1.76	
<i>For 11 Gauge Fabric, Deduct</i>	-0.98	
<i>For 6 Gauge Fabric, Add</i>	3.13	
<i>For 1" Mesh Fabric, Add</i>	2.93	
<i>For 1-1/4" Mesh Fabric, Add</i>	1.96	
<i>For 1-3/4" Mesh Fabric, Add</i>	1.17	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.59	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.78	
32 31 13 13-0173 LF 3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	12.47	2.54
<i>For 1-1/4" Mesh Fabric, Add</i>	1.28	
<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	1.14	
<i>For 13 Gauge Fabric, Deduct</i>	-2.05	
<i>For 11 Gauge Fabric, Deduct</i>	-1.14	
<i>For 6 Gauge Fabric, Add</i>	3.65	
<i>For 1" Mesh Fabric, Add</i>	3.42	
<i>For 1-1/4" Mesh Fabric, Add</i>	2.28	
<i>For 1-3/4" Mesh Fabric, Add</i>	1.37	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.68	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.91	
32 31 13 13-0174 LF 4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	13.51	2.83
<i>For 1-1/4" Mesh Fabric, Add</i>	1.41	
<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	1.26	
<i>For 13 Gauge Fabric, Deduct</i>	-2.26	
<i>For 11 Gauge Fabric, Deduct</i>	-1.26	
<i>For 6 Gauge Fabric, Add</i>	4.02	
<i>For 1" Mesh Fabric, Add</i>	3.77	
<i>For 1-1/4" Mesh Fabric, Add</i>	2.51	
<i>For 1-3/4" Mesh Fabric, Add</i>	1.51	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.75	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.00	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0175	LF	5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	15.31	3.40
			For 1-1/4" Mesh Fabric, Add	1.75	
			For 2 Oz Galvanized Or Zinc Coating, Add	1.57	
			For 13 Gauge Fabric, Deduct	-2.82	
			For 11 Gauge Fabric, Deduct	-1.57	
			For 6 Gauge Fabric, Add	5.01	
			For 1" Mesh Fabric, Add	4.70	
			For 1-1/4" Mesh Fabric, Add	3.13	
			For 1-3/4" Mesh Fabric, Add	1.88	
			For 2-1/8" Mesh Fabric, Deduct	-0.94	
			For 2-3/8" Mesh Fabric, Deduct	-1.25	
32 31 13	13-0176	LF	6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	17.22	3.96
			For 1-1/4" Mesh Fabric, Add	2.11	
			For 2 Oz Galvanized Or Zinc Coating, Add	1.88	
			For 13 Gauge Fabric, Deduct	-3.38	
			For 11 Gauge Fabric, Deduct	-1.88	
			For 6 Gauge Fabric, Add	6.02	
			For 1" Mesh Fabric, Add	5.64	
			For 1-1/4" Mesh Fabric, Add	3.76	
			For 1-3/4" Mesh Fabric, Add	2.26	
			For 2-1/8" Mesh Fabric, Deduct	-1.13	
			For 2-3/8" Mesh Fabric, Deduct	-1.50	
32 31 13	13-0177	LF	7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	19.20	4.53
			For 1-1/4" Mesh Fabric, Add	2.45	
			For 2 Oz Galvanized Or Zinc Coating, Add	2.19	
			For 13 Gauge Fabric, Deduct	-3.94	
			For 11 Gauge Fabric, Deduct	-2.19	
			For 6 Gauge Fabric, Add	7.01	
			For 1" Mesh Fabric, Add	6.57	
			For 1-1/4" Mesh Fabric, Add	4.38	
			For 1-3/4" Mesh Fabric, Add	2.63	
			For 2-1/8" Mesh Fabric, Deduct	-1.31	
			For 2-3/8" Mesh Fabric, Deduct	-1.75	
32 31 13	13-0178	LF	8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	21.33	5.65
			For 1-1/4" Mesh Fabric, Add	2.81	
			For 2 Oz Galvanized Or Zinc Coating, Add	2.51	
			For 13 Gauge Fabric, Deduct	-4.51	
			For 11 Gauge Fabric, Deduct	-2.51	
			For 6 Gauge Fabric, Add	8.02	
			For 1" Mesh Fabric, Add	7.52	
			For 1-1/4" Mesh Fabric, Add	5.01	
			For 1-3/4" Mesh Fabric, Add	3.01	
			For 2-1/8" Mesh Fabric, Deduct	-1.50	
			For 2-3/8" Mesh Fabric, Deduct	-2.00	
32 31 13	13-0179	LF	10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	25.49	6.22
			For 1-1/4" Mesh Fabric, Add	3.64	
			For 2 Oz Galvanized Or Zinc Coating, Add	3.25	
			For 13 Gauge Fabric, Deduct	-5.85	
			For 11 Gauge Fabric, Deduct	-3.25	
			For 6 Gauge Fabric, Add	10.41	
			For 1" Mesh Fabric, Add	9.76	
			For 1-1/4" Mesh Fabric, Add	6.51	
			For 1-3/4" Mesh Fabric, Add	3.90	
			For 2-1/8" Mesh Fabric, Deduct	-1.95	
			For 2-3/8" Mesh Fabric, Deduct	-2.60	
32 31 13	13-0180	LF	12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	29.17	6.78
			For 1-1/4" Mesh Fabric, Add	4.37	
			For 2 Oz Galvanized Or Zinc Coating, Add	3.90	
			For 13 Gauge Fabric, Deduct	-7.02	
			For 11 Gauge Fabric, Deduct	-3.90	
			For 6 Gauge Fabric, Add	12.47	
			For 1" Mesh Fabric, Add	11.69	
			For 1-1/4" Mesh Fabric, Add	7.80	
			For 1-3/4" Mesh Fabric, Add	4.68	
			For 2-1/8" Mesh Fabric, Deduct	-2.34	
			For 2-3/8" Mesh Fabric, Deduct	-3.12	
32 31 13	13-0181	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	32.58	7.91
			For 1-1/4" Mesh Fabric, Add	4.69	
			For 2 Oz Galvanized Or Zinc Coating, Add	4.19	
			For 13 Gauge Fabric, Deduct	-7.54	
			For 11 Gauge Fabric, Deduct	-4.19	
			For 6 Gauge Fabric, Add	13.40	
			For 1" Mesh Fabric, Add	12.56	
			For 1-1/4" Mesh Fabric, Add	8.38	
			For 1-3/4" Mesh Fabric, Add	5.03	
			For 2-1/8" Mesh Fabric, Deduct	-2.51	
			For 2-3/8" Mesh Fabric, Deduct	-3.35	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0182 LF 16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	36.00	9.05
For 1-1/4" Mesh Fabric, Add	5.01	
For 2 Oz Galvanized Or Zinc Coating, Add	4.48	
For 13 Gauge Fabric, Deduct	-8.06	
For 11 Gauge Fabric, Deduct	-4.48	
For 6 Gauge Fabric, Add	14.33	
For 1" Mesh Fabric, Add	13.43	
For 1-1/4" Mesh Fabric, Add	8.96	
For 1-3/4" Mesh Fabric, Add	5.37	
For 2-1/8" Mesh Fabric, Deduct	-2.69	
For 2-3/8" Mesh Fabric, Deduct	-3.58	
<b>32 31 13 13-0183 Fabric, Vinyl Coated Chain Link (32 31 13 13-0170)</b>		
32 31 13 13-0184 LF 4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	15.10	2.26
For 1-1/4" Mesh Fabric, Add	1.85	
For 13 Gauge Fabric, Deduct	-2.97	
For 11 Gauge Fabric, Deduct	-1.65	
For 6 Gauge Fabric, Add	5.29	
For 1" Mesh Fabric, Add	4.96	
For 1-1/4" Mesh Fabric, Add	3.31	
For 1-3/4" Mesh Fabric, Add	1.98	
For 2-1/8" Mesh Fabric, Deduct	-0.99	
For 2-3/8" Mesh Fabric, Deduct	-1.32	
For Aluminum Coated, Add	2.64	
32 31 13 13-0185 LF 5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	17.31	3.40
For 1-1/4" Mesh Fabric, Add	2.31	
For 13 Gauge Fabric, Deduct	-3.72	
For 11 Gauge Fabric, Deduct	-2.07	
For 6 Gauge Fabric, Add	6.61	
For 1" Mesh Fabric, Add	6.20	
For 1-1/4" Mesh Fabric, Add	4.13	
For 1-3/4" Mesh Fabric, Add	2.48	
For 2-1/8" Mesh Fabric, Deduct	-1.24	
For 2-3/8" Mesh Fabric, Deduct	-1.65	
For Aluminum Coated, Add	3.30	
32 31 13 13-0186 LF 6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	21.29	3.96
For 1-1/4" Mesh Fabric, Add	3.25	
For 13 Gauge Fabric, Deduct	-5.22	
For 11 Gauge Fabric, Deduct	-2.90	
For 6 Gauge Fabric, Add	9.27	
For 1" Mesh Fabric, Add	8.69	
For 1-1/4" Mesh Fabric, Add	5.80	
For 1-3/4" Mesh Fabric, Add	3.48	
For 2-1/8" Mesh Fabric, Deduct	-1.74	
For 2-3/8" Mesh Fabric, Deduct	-2.32	
For Aluminum Coated, Add	4.64	
32 31 13 13-0187 LF 7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	23.93	4.53
For 1-1/4" Mesh Fabric, Add	3.78	
For 13 Gauge Fabric, Deduct	-6.07	
For 11 Gauge Fabric, Deduct	-3.37	
For 6 Gauge Fabric, Add	10.79	
For 1" Mesh Fabric, Add	10.12	
For 1-1/4" Mesh Fabric, Add	6.75	
For 1-3/4" Mesh Fabric, Add	4.05	
For 2-1/8" Mesh Fabric, Deduct	-2.02	
For 2-3/8" Mesh Fabric, Deduct	-2.70	
For Aluminum Coated, Add	5.40	
32 31 13 13-0188 LF 8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	26.84	5.65
For 1-1/4" Mesh Fabric, Add	4.35	
For 13 Gauge Fabric, Deduct	-6.99	
For 11 Gauge Fabric, Deduct	-3.88	
For 6 Gauge Fabric, Add	12.42	
For 1" Mesh Fabric, Add	11.65	
For 1-1/4" Mesh Fabric, Add	7.77	
For 1-3/4" Mesh Fabric, Add	4.66	
For 2-1/8" Mesh Fabric, Deduct	-2.33	
For 2-3/8" Mesh Fabric, Deduct	-3.11	
For Aluminum Coated, Add	6.21	
32 31 13 13-0189 LF 10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	31.81	6.22
For 1-1/4" Mesh Fabric, Add	5.41	
For 13 Gauge Fabric, Deduct	-8.70	
For 11 Gauge Fabric, Deduct	-4.83	
For 6 Gauge Fabric, Add	15.46	
For 1" Mesh Fabric, Add	14.50	
For 1-1/4" Mesh Fabric, Add	9.67	
For 1-3/4" Mesh Fabric, Add	5.80	
For 2-1/8" Mesh Fabric, Deduct	-2.90	
For 2-3/8" Mesh Fabric, Deduct	-3.87	
For Aluminum Coated, Add	7.73	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0190	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	34.73	6.78
			For 1-1/4" Mesh Fabric, Add	5.92	
			For 13 Gauge Fabric, Deduct	-9.52	
			For 11 Gauge Fabric, Deduct	-5.29	
			For 6 Gauge Fabric, Add	16.92	
			For 1" Mesh Fabric, Add	15.86	
			For 1-1/4" Mesh Fabric, Add	10.58	
			For 1-3/4" Mesh Fabric, Add	6.35	
			For 2-1/8" Mesh Fabric, Deduct	-3.17	
			For 2-3/8" Mesh Fabric, Deduct	-4.23	
			For Aluminum Coated, Add	8.46	
32 31	13 13-0191	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	39.11	7.91
			For 1-1/4" Mesh Fabric, Add	6.52	
			For 13 Gauge Fabric, Deduct	-10.48	
			For 11 Gauge Fabric, Deduct	-5.82	
			For 6 Gauge Fabric, Add	18.62	
			For 1" Mesh Fabric, Add	17.46	
			For 1-1/4" Mesh Fabric, Add	11.64	
			For 1-3/4" Mesh Fabric, Add	6.98	
			For 2-1/8" Mesh Fabric, Deduct	-3.49	
			For 2-3/8" Mesh Fabric, Deduct	-4.66	
			For Aluminum Coated, Add	9.31	
32 31	13 13-0192	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	43.60	9.05
			For 1-1/4" Mesh Fabric, Add	7.14	
			For 13 Gauge Fabric, Deduct	-11.48	
			For 11 Gauge Fabric, Deduct	-6.38	
			For 6 Gauge Fabric, Add	20.41	
			For 1" Mesh Fabric, Add	19.13	
			For 1-1/4" Mesh Fabric, Add	12.76	
			For 1-3/4" Mesh Fabric, Add	7.65	
			For 2-1/8" Mesh Fabric, Deduct	-3.83	
			For 2-3/8" Mesh Fabric, Deduct	-5.10	
			For Aluminum Coated, Add	10.20	
<b>32 31</b>	<b>13 13-0193</b>		<b>Fabric, Aluminized Steel Chain Link</b> <small>(32 31 13 13-0170)</small>		
32 31	13 13-0194	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	10.73	2.26
			For 6 Gauge Fabric, Add	2.70	
			For 1" Mesh Fabric, Add	3.55	
32 31	13 13-0195	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	11.83	2.54
			For 6 Gauge Fabric, Add	3.14	
			For 1" Mesh Fabric, Add	4.12	
32 31	13 13-0196	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	12.98	2.83
			For 6 Gauge Fabric, Add	3.59	
			For 1" Mesh Fabric, Add	4.71	
32 31	13 13-0197	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	14.66	3.40
			For 6 Gauge Fabric, Add	4.49	
			For 1" Mesh Fabric, Add	5.89	
32 31	13 13-0198	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	16.41	3.96
			For 6 Gauge Fabric, Add	5.37	
			For 1" Mesh Fabric, Add	7.05	
32 31	13 13-0199	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	18.29	4.53
			For 6 Gauge Fabric, Add	6.28	
			For 1" Mesh Fabric, Add	8.24	
32 31	13 13-0200	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	20.27	5.65
			For 6 Gauge Fabric, Add	7.17	
			For 1" Mesh Fabric, Add	9.41	
32 31	13 13-0201	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	23.68	6.22
			For 6 Gauge Fabric, Add	8.96	
			For 1" Mesh Fabric, Add	11.76	
32 31	13 13-0202	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	27.02	6.78
			For 6 Gauge Fabric, Add	10.75	
			For 1" Mesh Fabric, Add	14.11	
<b>32 31</b>	<b>13 13-0203</b>		<b>Fabric, All Aluminum Chain Link</b> <small>(32 31 13 13-0170)</small>		
32 31	13 13-0204	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh .....	16.18	2.26
			For 6 Gauge Fabric, Add	7.06	
			For 1" Mesh Fabric, Add	9.27	
32 31	13 13-0205	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh .....	18.21	2.54
			For 6 Gauge Fabric, Add	8.24	
			For 1" Mesh Fabric, Add	10.82	
32 31	13 13-0206	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh .....	20.26	2.83
			For 6 Gauge Fabric, Add	9.42	
			For 1" Mesh Fabric, Add	12.36	
32 31	13 13-0207	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh .....	23.76	3.40
			For 6 Gauge Fabric, Add	11.77	
			For 1" Mesh Fabric, Add	15.45	
32 31	13 13-0208	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh .....	27.36	3.96
			For 6 Gauge Fabric, Add	14.13	
			For 1" Mesh Fabric, Add	18.54	
32 31	13 13-0209	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh .....	31.04	4.53
			For 6 Gauge Fabric, Add	16.48	
			For 1" Mesh Fabric, Add	21.63	



<b>Exterior Improvements</b>	<b>32</b>
Site Improvements	32 30
Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0210 LF 8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	34.85 18.83 24.72	5.65
32 31 13 13-0211 LF 10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	41.91 23.54 30.90	6.22
32 31 13 13-0212 LF 12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	48.89 28.25 37.08	6.78
<b>32 31 13 13-0213 Fence Inserts</b> <small>(32 31 13 13-0170)</small> Note: For use with new or existing chain link fence, per lf of fence.		
<b>32 31 13 13-0214 Vinyl Plastic Fence Inserts</b> <small>(32 31 13 13-0213)</small> Note: Assorted colors.		
32 31 13 13-0215 LF 3' High Fence, Vinyl Plastic Fence Insert.....	8.68	
32 31 13 13-0216 LF 3-1/2' High Fence, Vinyl Plastic Fence Insert.....	9.90	
32 31 13 13-0217 LF 4' High Fence, Vinyl Plastic Fence Insert.....	10.90	
32 31 13 13-0218 LF 5' High Fence, Vinyl Plastic Fence Insert.....	13.69	
32 31 13 13-0219 LF 6' High Fence, Vinyl Plastic Fence Insert.....	16.37	
32 31 13 13-0220 LF 7' High Fence, Vinyl Plastic Fence Insert.....	19.14	
32 31 13 13-0221 LF 8' High Fence, Vinyl Plastic Fence Insert.....	21.83	
32 31 13 13-0222 LF 10' High Fence, Vinyl Plastic Fence Insert.....	26.68	
<b>32 31 13 13-0223 Aluminum Fence Inserts</b> <small>(32 31 13 13-0213)</small> Note: Assorted colors.		
32 31 13 13-0224 LF 3' High Fence, Aluminum Fence Insert.....	21.82	
32 31 13 13-0225 LF 3-1/2' High Fence, Aluminum Fence Insert.....	24.00	
32 31 13 13-0226 LF 4' High Fence, Aluminum Fence Insert.....	27.54	
32 31 13 13-0227 LF 5' High Fence, Aluminum Fence Insert.....	34.46	
32 31 13 13-0228 LF 6' High Fence, Aluminum Fence Insert.....	41.36	
32 31 13 13-0229 LF 7' High Fence, Aluminum Fence Insert.....	45.25	
32 31 13 13-0230 LF 8' High Fence, Aluminum Fence Insert.....	55.12	
32 31 13 13-0231 LF 10' High Fence, Aluminum Fence Insert.....	68.16	
<b>32 31 13 13-0232 Redwood Fence Inserts</b> <small>(32 31 13 13-0213)</small>		
32 31 13 13-0233 LF 4' High Fence, Redwood Fence Insert.....	12.89	
32 31 13 13-0234 LF 5' High Fence, Redwood Fence Insert.....	16.29	
32 31 13 13-0235 LF 6' High Fence, Redwood Fence Insert.....	19.57	
32 31 13 13-0236 LF 7' High Fence, Redwood Fence Insert.....	22.78	
32 31 13 13-0237 LF 8' High Fence, Redwood Fence Insert.....	26.07	
<b>32 31 13 13-0238 Diagonal Flexible Polyethylene Inserts</b> <small>(32 31 13 13-0213)</small>		
32 31 13 13-0239 SF Diagonal Polyethylene Fence Weave.....	3.46	
<b>32 31 13 13-0240 Hedge Link Fence Inserts</b> <small>(32 31 13 13-0213)</small>		
32 31 13 13-0241 LF 3' High Fence, Hedge Link Fence Insert.....	18.74	
32 31 13 13-0242 LF 3-1/2' High Fence, Hedge Link Fence Insert.....	21.35	
32 31 13 13-0243 LF 4' High Fence, Hedge Link Fence Insert.....	24.97	
32 31 13 13-0244 LF 5' High Fence, Hedge Link Fence Insert.....	30.77	
32 31 13 13-0245 LF 6' High Fence, Hedge Link Fence Insert.....	35.15	
32 31 13 13-0246 LF 7' High Fence, Hedge Link Fence Insert.....	44.52	
32 31 13 13-0247 LF 8' High Fence, Hedge Link Fence Insert.....	50.55	
32 31 13 13-0248 LF 10' High Fence, Hedge Link Fence Insert.....	60.47	
32 31 13 13-0249 LF 12' High Fence, Hedge Link Fence Insert.....	69.37	
<b>32 31 13 13-0250 Fence Windscreen Fabric</b> <small>(32 31 13 13-0170)</small> Note: Includes plastic wire clips.		
32 31 13 13-0251 SF Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY..... <i>For Sewn Boxed Vent (Each), Add</i> <i>For Welded Boxed Vent (Each), Add</i> <i>For 4' x 4' One Color Logo (Each), Add</i>	1.15 26.08 13.04 543.40	0.50
<b>32 31 13 13-0252 Non-Climbable Fabric, Galvanized Chain Link</b> <small>(32 31 13 13-0170)</small>		
32 31 13 13-0253 LF 3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh..... <i>For 11 Gauge, Deduct</i> <i>For 10 Gauge, Deduct</i> <i>For 7 Gauge, Add</i> <i>For 6 Gauge, Add</i> <i>For 1/2" Mesh Fabric, Deduct</i> <i>For 5/8" Mesh Fabric, Deduct</i> <i>For 3/4" Mesh Fabric, Deduct</i>	30.41 -4.61 -1.84 2.77 6.46 -1.15 -2.54 -3.69	2.26

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0254 LF 3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	34.81	2.54
For 11 Gauge, Deduct	-5.38	
For 10 Gauge, Deduct	-2.15	
For 7 Gauge, Add	3.23	
For 6 Gauge, Add	7.53	
For 1/2" Mesh Fabric, Deduct	-1.35	
For 5/8" Mesh Fabric, Deduct	-2.96	
For 3/4" Mesh Fabric, Deduct	-4.30	
32 31 13 13-0255 LF 4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	39.27	2.83
For 11 Gauge, Deduct	-6.16	
For 10 Gauge, Deduct	-2.46	
For 7 Gauge, Add	3.69	
For 6 Gauge, Add	8.62	
For 1/2" Mesh Fabric, Deduct	-1.54	
For 5/8" Mesh Fabric, Deduct	-3.39	
For 3/4" Mesh Fabric, Deduct	-4.92	
32 31 13 13-0256 LF 5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	47.50	3.40
For 11 Gauge, Deduct	-7.69	
For 10 Gauge, Deduct	-3.08	
For 7 Gauge, Add	4.61	
For 6 Gauge, Add	10.77	
For 1/2" Mesh Fabric, Deduct	-1.92	
For 5/8" Mesh Fabric, Deduct	-4.23	
For 3/4" Mesh Fabric, Deduct	-6.15	
32 31 13 13-0257 LF 6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	55.83	3.96
For 11 Gauge, Deduct	-9.23	
For 10 Gauge, Deduct	-3.69	
For 7 Gauge, Add	5.54	
For 6 Gauge, Add	12.92	
For 1/2" Mesh Fabric, Deduct	-2.31	
For 5/8" Mesh Fabric, Deduct	-5.07	
For 3/4" Mesh Fabric, Deduct	-7.38	
32 31 13 13-0258 LF 7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	64.26	4.53
For 11 Gauge, Deduct	-10.76	
For 10 Gauge, Deduct	-4.31	
For 7 Gauge, Add	6.46	
For 6 Gauge, Add	15.07	
For 1/2" Mesh Fabric, Deduct	-2.69	
For 5/8" Mesh Fabric, Deduct	-5.92	
For 3/4" Mesh Fabric, Deduct	-8.61	
32 31 13 13-0259 LF 8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	72.83	5.65
For 11 Gauge, Deduct	-12.30	
For 10 Gauge, Deduct	-4.92	
For 7 Gauge, Add	7.38	
For 6 Gauge, Add	17.23	
For 1/2" Mesh Fabric, Deduct	-3.08	
For 5/8" Mesh Fabric, Deduct	-6.77	
For 3/4" Mesh Fabric, Deduct	-9.84	
32 31 13 13-0260 LF 9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	80.35	5.94
For 11 Gauge, Deduct	-13.70	
For 10 Gauge, Deduct	-5.48	
For 7 Gauge, Add	8.22	
For 6 Gauge, Add	19.17	
For 1/2" Mesh Fabric, Deduct	-3.42	
For 5/8" Mesh Fabric, Deduct	-7.53	
For 3/4" Mesh Fabric, Deduct	-10.96	
32 31 13 13-0261 LF 10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	87.91	6.22
For 11 Gauge, Deduct	-15.09	
For 10 Gauge, Deduct	-6.03	
For 7 Gauge, Add	9.05	
For 6 Gauge, Add	21.12	
For 1/2" Mesh Fabric, Deduct	-3.77	
For 5/8" Mesh Fabric, Deduct	-8.30	
For 3/4" Mesh Fabric, Deduct	-12.07	
32 31 13 13-0262 LF 12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	95.35	6.78
For 11 Gauge, Deduct	-16.35	
For 10 Gauge, Deduct	-6.54	
For 7 Gauge, Add	9.81	
For 6 Gauge, Add	22.90	
For 1/2" Mesh Fabric, Deduct	-4.09	
For 5/8" Mesh Fabric, Deduct	-8.99	
For 3/4" Mesh Fabric, Deduct	-13.08	

**32 31 13 13-0263 Gates** (32 31 13 13)

Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

**32 31 13 13-0264 Galvanized Steel Without Barbed Wire** (32 31 13 13-0263)

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

**32 31 13 13-0265 4' Fence Height** (32 31 13 13-0264)



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0266 EA 3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	343.79	22.43
For Gate With Single Barb Wire Arm, Add	30.11	
For Gate With Double Barb Wire Arm, Add	43.79	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-51.32	
For Aluminized Steel Gate And Post, Add	131.38	
For Powder Coated Gate And Post, Add	71.16	
For 1" Mesh Fabric, Add	119.06	
For 1-1/4" Mesh Fabric, Add	76.64	
For 1-3/4" Mesh Fabric, Add	47.63	
For 2-1/8" Mesh Fabric, Deduct	-23.81	
32 31 13 13-0267 EA 4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	435.03	23.36
For Gate With Single Barb Wire Arm, Add	40.14	
For Gate With Double Barb Wire Arm, Add	58.39	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-68.43	
For Aluminized Steel Gate And Post, Add	175.18	
For Powder Coated Gate And Post, Add	94.89	
For 1" Mesh Fabric, Add	158.75	
For 1-1/4" Mesh Fabric, Add	102.19	
For 1-3/4" Mesh Fabric, Add	63.50	
For 2-1/8" Mesh Fabric, Deduct	-31.75	
32 31 13 13-0268 EA 5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	515.37	24.86
For Gate With Single Barb Wire Arm, Add	48.47	
For Gate With Double Barb Wire Arm, Add	70.50	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-82.61	
For Aluminized Steel Gate And Post, Add	211.49	
For Powder Coated Gate And Post, Add	114.56	
For 1" Mesh Fabric, Add	191.67	
For 1-1/4" Mesh Fabric, Add	123.37	
For 1-3/4" Mesh Fabric, Add	76.67	
For 2-1/8" Mesh Fabric, Deduct	-38.33	
32 31 13 13-0269 EA 6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	606.00	29.90
For Gate With Single Barb Wire Arm, Add	56.79	
For Gate With Double Barb Wire Arm, Add	82.60	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-96.80	
For Aluminized Steel Gate And Post, Add	247.81	
For Powder Coated Gate And Post, Add	134.23	
For 1" Mesh Fabric, Add	224.58	
For 1-1/4" Mesh Fabric, Add	144.56	
For 1-3/4" Mesh Fabric, Add	89.83	
For 2-1/8" Mesh Fabric, Deduct	-44.92	
32 31 13 13-0270 EA 7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	696.60	34.85
For Gate With Single Barb Wire Arm, Add	65.11	
For Gate With Double Barb Wire Arm, Add	94.71	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-110.99	
For Aluminized Steel Gate And Post, Add	284.13	
For Powder Coated Gate And Post, Add	153.90	
For 1" Mesh Fabric, Add	257.49	
For 1-1/4" Mesh Fabric, Add	165.74	
For 1-3/4" Mesh Fabric, Add	103.00	
For 2-1/8" Mesh Fabric, Deduct	-51.50	
32 31 13 13-0271 EA 8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	790.32	39.80
For Gate With Single Barb Wire Arm, Add	73.78	
For Gate With Double Barb Wire Arm, Add	107.31	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-125.76	
For Aluminized Steel Gate And Post, Add	321.94	
For Powder Coated Gate And Post, Add	174.38	
For 1" Mesh Fabric, Add	291.76	
For 1-1/4" Mesh Fabric, Add	187.80	
For 1-3/4" Mesh Fabric, Add	116.70	
For 2-1/8" Mesh Fabric, Deduct	-58.35	
32 31 13 13-0272 EA 9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	880.93	44.85
For Gate With Single Barb Wire Arm, Add	82.10	
For Gate With Double Barb Wire Arm, Add	119.42	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.94	
For Aluminized Steel Gate And Post, Add	358.26	
For Powder Coated Gate And Post, Add	194.06	
For 1" Mesh Fabric, Add	324.67	
For 1-1/4" Mesh Fabric, Add	208.98	
For 1-3/4" Mesh Fabric, Add	129.87	
For 2-1/8" Mesh Fabric, Deduct	-64.93	
32 31 13 13-0273 EA 10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	972.87	49.81
For Gate With Single Barb Wire Arm, Add	90.57	
For Gate With Double Barb Wire Arm, Add	131.74	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-154.38	
For Aluminized Steel Gate And Post, Add	395.21	
For Powder Coated Gate And Post, Add	214.07	
For 1" Mesh Fabric, Add	358.16	
For 1-1/4" Mesh Fabric, Add	230.54	
For 1-3/4" Mesh Fabric, Add	143.26	
For 2-1/8" Mesh Fabric, Deduct	-71.63	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0274	EA 10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,244.36	49.81
			<i>For Gate With Single Barb Wire Arm, Add</i>	120.43	
			<i>For Gate With Double Barb Wire Arm, Add</i>	175.18	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-205.28	
			<i>For Aluminized Steel Gate And Post, Add</i>	525.53	
			<i>For Powder Coated Gate And Post, Add</i>	284.66	
			<i>For 1" Mesh Fabric, Add</i>	476.26	
			<i>For 1-1/4" Mesh Fabric, Add</i>	306.56	
			<i>For 1-3/4" Mesh Fabric, Add</i>	190.50	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-95.25	
32 31	13	13-0275	EA 12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,474.01	53.36
			<i>For Gate With Single Barb Wire Arm, Add</i>	144.52	
			<i>For Gate With Double Barb Wire Arm, Add</i>	210.21	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-246.34	
			<i>For Aluminized Steel Gate And Post, Add</i>	630.63	
			<i>For Powder Coated Gate And Post, Add</i>	341.59	
			<i>For 1" Mesh Fabric, Add</i>	571.51	
			<i>For 1-1/4" Mesh Fabric, Add</i>	367.87	
			<i>For 1-3/4" Mesh Fabric, Add</i>	228.60	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-114.30	
32 31	13	13-0276	EA 14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,705.31	57.47
			<i>For Gate With Single Barb Wire Arm, Add</i>	168.61	
			<i>For Gate With Double Barb Wire Arm, Add</i>	245.25	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-287.40	
			<i>For Aluminized Steel Gate And Post, Add</i>	735.74	
			<i>For Powder Coated Gate And Post, Add</i>	398.53	
			<i>For 1" Mesh Fabric, Add</i>	666.76	
			<i>For 1-1/4" Mesh Fabric, Add</i>	429.18	
			<i>For 1-3/4" Mesh Fabric, Add</i>	266.71	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-133.35	
32 31	13	13-0277	EA 16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,938.65	62.24
			<i>For Gate With Single Barb Wire Arm, Add</i>	192.69	
			<i>For Gate With Double Barb Wire Arm, Add</i>	280.28	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-328.46	
			<i>For Aluminized Steel Gate And Post, Add</i>	840.84	
			<i>For Powder Coated Gate And Post, Add</i>	455.46	
			<i>For 1" Mesh Fabric, Add</i>	762.02	
			<i>For 1-1/4" Mesh Fabric, Add</i>	490.49	
			<i>For 1-3/4" Mesh Fabric, Add</i>	304.81	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-152.40	
32 31	13	13-0278	EA 18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	2,211.32	80.07
			<i>For Gate With Single Barb Wire Arm, Add</i>	216.78	
			<i>For Gate With Double Barb Wire Arm, Add</i>	315.32	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-369.51	
			<i>For Aluminized Steel Gate And Post, Add</i>	945.95	
			<i>For Powder Coated Gate And Post, Add</i>	512.39	
			<i>For 1" Mesh Fabric, Add</i>	857.27	
			<i>For 1-1/4" Mesh Fabric, Add</i>	551.80	
			<i>For 1-3/4" Mesh Fabric, Add</i>	342.91	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-171.45	
32 31	13	13-0279	EA 20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	2,447.47	85.83
			<i>For Gate With Single Barb Wire Arm, Add</i>	240.87	
			<i>For Gate With Double Barb Wire Arm, Add</i>	350.35	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-410.57	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,051.06	
			<i>For Powder Coated Gate And Post, Add</i>	569.32	
			<i>For 1" Mesh Fabric, Add</i>	952.52	
			<i>For 1-1/4" Mesh Fabric, Add</i>	613.12	
			<i>For 1-3/4" Mesh Fabric, Add</i>	381.01	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-190.50	
32 31	13	13-0280	EA 22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	2,680.92	92.48
			<i>For Gate With Single Barb Wire Arm, Add</i>	264.37	
			<i>For Gate With Double Barb Wire Arm, Add</i>	384.53	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-450.62	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,153.59	
			<i>For Powder Coated Gate And Post, Add</i>	624.86	
			<i>For 1" Mesh Fabric, Add</i>	1,045.44	
			<i>For 1-1/4" Mesh Fabric, Add</i>	672.93	
			<i>For 1-3/4" Mesh Fabric, Add</i>	418.18	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-209.09	
32 31	13	13-0281	EA 24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	2,917.68	100.15
			<i>For Gate With Single Barb Wire Arm, Add</i>	287.86	
			<i>For Gate With Double Barb Wire Arm, Add</i>	418.71	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-490.68	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,256.14	
			<i>For Powder Coated Gate And Post, Add</i>	680.41	
			<i>For 1" Mesh Fabric, Add</i>	1,138.37	
			<i>For 1-1/4" Mesh Fabric, Add</i>	732.75	
			<i>For 1-3/4" Mesh Fabric, Add</i>	455.35	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-227.67	





<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0282 EA 26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	3,158.65	109.28
For Gate With Single Barb Wire Arm, Add	311.36	
For Gate With Double Barb Wire Arm, Add	452.89	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-530.73	
For Aluminized Steel Gate And Post, Add	1,358.68	
For Powder Coated Gate And Post, Add	735.95	
For 1" Mesh Fabric, Add	1,231.30	
For 1-1/4" Mesh Fabric, Add	792.56	
For 1-3/4" Mesh Fabric, Add	492.52	
For 2-1/8" Mesh Fabric, Deduct	-246.26	
32 31 13 13-0283 EA 28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	3,324.98	120.22
For Gate With Single Barb Wire Arm, Add	326.05	
For Gate With Double Barb Wire Arm, Add	474.26	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-555.77	
For Aluminized Steel Gate And Post, Add	1,422.77	
For Powder Coated Gate And Post, Add	770.67	
For 1" Mesh Fabric, Add	1,289.38	
For 1-1/4" Mesh Fabric, Add	829.95	
For 1-3/4" Mesh Fabric, Add	515.75	
For 2-1/8" Mesh Fabric, Deduct	-257.88	
32 31 13 13-0284 EA 30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	3,685.51	133.52
For Gate With Single Barb Wire Arm, Add	361.30	
For Gate With Double Barb Wire Arm, Add	525.53	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-615.85	
For Aluminized Steel Gate And Post, Add	1,576.58	
For Powder Coated Gate And Post, Add	853.98	
For 1" Mesh Fabric, Add	1,428.77	
For 1-1/4" Mesh Fabric, Add	919.67	
For 1-3/4" Mesh Fabric, Add	571.51	
For 2-1/8" Mesh Fabric, Deduct	-285.75	
<b>32 31 13 13-0285 5' Fence Height (32 31 13 13-0264)</b>		
32 31 13 13-0286 EA 3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire .....	413.01	24.86
For Gate With Single Barb Wire Arm, Add	37.21	
For Gate With Double Barb Wire Arm, Add	54.12	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-63.42	
For Aluminized Steel Gate And Post, Add	162.36	
For Powder Coated Gate And Post, Add	87.95	
For 1" Mesh Fabric, Add	147.14	
For 1-1/4" Mesh Fabric, Add	94.71	
For 1-3/4" Mesh Fabric, Add	58.86	
For 2-1/8" Mesh Fabric, Deduct	-29.43	
32 31 13 13-0287 EA 4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire .....	524.27	24.86
For Gate With Single Barb Wire Arm, Add	49.45	
For Gate With Double Barb Wire Arm, Add	71.92	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-84.28	
For Aluminized Steel Gate And Post, Add	215.76	
For Powder Coated Gate And Post, Add	116.87	
For 1" Mesh Fabric, Add	195.54	
For 1-1/4" Mesh Fabric, Add	125.86	
For 1-3/4" Mesh Fabric, Add	78.21	
For 2-1/8" Mesh Fabric, Deduct	-39.11	
32 31 13 13-0288 EA 5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire .....	613.51	26.44
For Gate With Single Barb Wire Arm, Add	58.75	
For Gate With Double Barb Wire Arm, Add	85.45	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-100.14	
For Aluminized Steel Gate And Post, Add	256.35	
For Powder Coated Gate And Post, Add	138.86	
For 1" Mesh Fabric, Add	232.32	
For 1-1/4" Mesh Fabric, Add	149.54	
For 1-3/4" Mesh Fabric, Add	92.93	
For 2-1/8" Mesh Fabric, Deduct	-46.46	
32 31 13 13-0289 EA 6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire .....	718.41	31.77
For Gate With Single Barb Wire Arm, Add	68.54	
For Gate With Double Barb Wire Arm, Add	99.69	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-116.83	
For Aluminized Steel Gate And Post, Add	299.08	
For Powder Coated Gate And Post, Add	162.00	
For 1" Mesh Fabric, Add	271.04	
For 1-1/4" Mesh Fabric, Add	174.46	
For 1-3/4" Mesh Fabric, Add	108.42	
For 2-1/8" Mesh Fabric, Deduct	-54.21	
32 31 13 13-0290 EA 7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire .....	814.39	37.01
For Gate With Single Barb Wire Arm, Add	77.35	
For Gate With Double Barb Wire Arm, Add	112.51	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-131.85	
For Aluminized Steel Gate And Post, Add	337.53	
For Powder Coated Gate And Post, Add	182.83	
For 1" Mesh Fabric, Add	305.89	
For 1-1/4" Mesh Fabric, Add	196.89	
For 1-3/4" Mesh Fabric, Add	122.36	
For 2-1/8" Mesh Fabric, Deduct	-61.18	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0291	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	920.23	42.61
			<i>For Gate With Single Barb Wire Arm, Add</i>	87.14	
			<i>For Gate With Double Barb Wire Arm, Add</i>	126.75	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-148.54	
			<i>For Aluminized Steel Gate And Post, Add</i>	380.26	
			<i>For Powder Coated Gate And Post, Add</i>	205.97	
			<i>For 1" Mesh Fabric, Add</i>	344.61	
			<i>For 1-1/4" Mesh Fabric, Add</i>	221.82	
			<i>For 1-3/4" Mesh Fabric, Add</i>	137.84	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-68.92	
32 31	13 13-0292	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	1,020.68	47.94
			<i>For Gate With Single Barb Wire Arm, Add</i>	96.44	
			<i>For Gate With Double Barb Wire Arm, Add</i>	140.28	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-164.39	
			<i>For Aluminized Steel Gate And Post, Add</i>	420.85	
			<i>For Powder Coated Gate And Post, Add</i>	227.96	
			<i>For 1" Mesh Fabric, Add</i>	381.39	
			<i>For 1-1/4" Mesh Fabric, Add</i>	245.50	
			<i>For 1-3/4" Mesh Fabric, Add</i>	152.56	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-76.28	
32 31	13 13-0293	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	1,121.12	53.17
			<i>For Gate With Single Barb Wire Arm, Add</i>	105.75	
			<i>For Gate With Double Barb Wire Arm, Add</i>	153.81	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-180.25	
			<i>For Aluminized Steel Gate And Post, Add</i>	461.44	
			<i>For Powder Coated Gate And Post, Add</i>	249.95	
			<i>For 1" Mesh Fabric, Add</i>	418.18	
			<i>For 1-1/4" Mesh Fabric, Add</i>	269.17	
			<i>For 1-3/4" Mesh Fabric, Add</i>	167.27	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-83.64	
32 31	13 13-0294	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	1,516.73	53.36
			<i>For Gate With Single Barb Wire Arm, Add</i>	149.22	
			<i>For Gate With Double Barb Wire Arm, Add</i>	217.05	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-254.35	
			<i>For Aluminized Steel Gate And Post, Add</i>	651.14	
			<i>For Powder Coated Gate And Post, Add</i>	352.70	
			<i>For 1" Mesh Fabric, Add</i>	590.09	
			<i>For 1-1/4" Mesh Fabric, Add</i>	379.83	
			<i>For 1-3/4" Mesh Fabric, Add</i>	236.04	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-118.02	
32 31	13 13-0295	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	1,801.44	57.47
			<i>For Gate With Single Barb Wire Arm, Add</i>	179.18	
			<i>For Gate With Double Barb Wire Arm, Add</i>	260.63	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-305.42	
			<i>For Aluminized Steel Gate And Post, Add</i>	781.88	
			<i>For Powder Coated Gate And Post, Add</i>	423.52	
			<i>For 1" Mesh Fabric, Add</i>	708.58	
			<i>For 1-1/4" Mesh Fabric, Add</i>	456.10	
			<i>For 1-3/4" Mesh Fabric, Add</i>	283.43	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-141.72	
32 31	13 13-0296	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,088.19	62.24
			<i>For Gate With Single Barb Wire Arm, Add</i>	209.14	
			<i>For Gate With Double Barb Wire Arm, Add</i>	304.21	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-356.49	
			<i>For Aluminized Steel Gate And Post, Add</i>	912.62	
			<i>For Powder Coated Gate And Post, Add</i>	494.34	
			<i>For 1" Mesh Fabric, Add</i>	827.07	
			<i>For 1-1/4" Mesh Fabric, Add</i>	532.36	
			<i>For 1-3/4" Mesh Fabric, Add</i>	330.83	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-165.41	
32 31	13 13-0297	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,414.26	80.07
			<i>For Gate With Single Barb Wire Arm, Add</i>	239.10	
			<i>For Gate With Double Barb Wire Arm, Add</i>	347.79	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-407.56	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,043.36	
			<i>For Powder Coated Gate And Post, Add</i>	565.15	
			<i>For 1" Mesh Fabric, Add</i>	945.55	
			<i>For 1-1/4" Mesh Fabric, Add</i>	608.63	
			<i>For 1-3/4" Mesh Fabric, Add</i>	378.22	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-189.11	
32 31	13 13-0298	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,698.48	85.83
			<i>For Gate With Single Barb Wire Arm, Add</i>	268.48	
			<i>For Gate With Double Barb Wire Arm, Add</i>	390.51	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-457.63	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,171.54	
			<i>For Powder Coated Gate And Post, Add</i>	634.58	
			<i>For 1" Mesh Fabric, Add</i>	1,061.71	
			<i>For 1-1/4" Mesh Fabric, Add</i>	683.40	
			<i>For 1-3/4" Mesh Fabric, Add</i>	424.68	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-212.34	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0299 EA 20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,996.03	92.48
For Gate With Single Barb Wire Arm, Add	299.03	
For Gate With Double Barb Wire Arm, Add	434.95	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-509.71	
For Aluminized Steel Gate And Post, Add	1,304.85	
For Powder Coated Gate And Post, Add	706.79	
For 1" Mesh Fabric, Add	1,182.52	
For 1-1/4" Mesh Fabric, Add	761.16	
For 1-3/4" Mesh Fabric, Add	473.01	
For 2-1/8" Mesh Fabric, Deduct	-236.50	
32 31 13 13-0300 EA 22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	3,291.53	100.15
For Gate With Single Barb Wire Arm, Add	328.99	
For Gate With Double Barb Wire Arm, Add	478.53	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-560.78	
For Aluminized Steel Gate And Post, Add	1,435.58	
For Powder Coated Gate And Post, Add	777.61	
For 1" Mesh Fabric, Add	1,301.00	
For 1-1/4" Mesh Fabric, Add	837.42	
For 1-3/4" Mesh Fabric, Add	520.40	
For 2-1/8" Mesh Fabric, Deduct	-260.20	
32 31 13 13-0301 EA 24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	3,585.91	109.28
For Gate With Single Barb Wire Arm, Add	358.36	
For Gate With Double Barb Wire Arm, Add	521.25	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-610.85	
For Aluminized Steel Gate And Post, Add	1,563.76	
For Powder Coated Gate And Post, Add	847.04	
For 1" Mesh Fabric, Add	1,417.16	
For 1-1/4" Mesh Fabric, Add	912.20	
For 1-3/4" Mesh Fabric, Add	566.86	
For 2-1/8" Mesh Fabric, Deduct	-283.43	
32 31 13 13-0302 EA 26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	3,896.44	120.22
For Gate With Single Barb Wire Arm, Add	388.91	
For Gate With Double Barb Wire Arm, Add	565.69	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-662.92	
For Aluminized Steel Gate And Post, Add	1,697.07	
For Powder Coated Gate And Post, Add	919.25	
For 1" Mesh Fabric, Add	1,537.97	
For 1-1/4" Mesh Fabric, Add	989.96	
For 1-3/4" Mesh Fabric, Add	615.19	
For 2-1/8" Mesh Fabric, Deduct	-307.59	
32 31 13 13-0303 EA 28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	4,205.54	133.52
For Gate With Single Barb Wire Arm, Add	418.50	
For Gate With Double Barb Wire Arm, Add	608.73	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-713.36	
For Aluminized Steel Gate And Post, Add	1,826.19	
For Powder Coated Gate And Post, Add	989.19	
For 1" Mesh Fabric, Add	1,654.99	
For 1-1/4" Mesh Fabric, Add	1,065.28	
For 1-3/4" Mesh Fabric, Add	662.00	
For 2-1/8" Mesh Fabric, Deduct	-331.00	
32 31 13 13-0304 EA 30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	4,520.72	150.22
For Gate With Single Barb Wire Arm, Add	447.66	
For Gate With Double Barb Wire Arm, Add	651.14	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-763.06	
For Aluminized Steel Gate And Post, Add	1,953.42	
For Powder Coated Gate And Post, Add	1,058.10	
For 1" Mesh Fabric, Add	1,770.29	
For 1-1/4" Mesh Fabric, Add	1,139.50	
For 1-3/4" Mesh Fabric, Add	708.12	
For 2-1/8" Mesh Fabric, Deduct	-354.06	
<b>32 31 13 13-0305 6' Fence Height (32 31 13 13-0264)</b>		
32 31 13 13-0306 EA 3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire .....	442.81	26.63
For Gate With Single Barb Wire Arm, Add	39.90	
For Gate With Double Barb Wire Arm, Add	58.04	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-68.01	
For Aluminized Steel Gate And Post, Add	174.11	
For Powder Coated Gate And Post, Add	94.31	
For 1" Mesh Fabric, Add	157.78	
For 1-1/4" Mesh Fabric, Add	101.56	
For 1-3/4" Mesh Fabric, Add	63.11	
For 2-1/8" Mesh Fabric, Deduct	-31.56	
32 31 13 13-0307 EA 4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire .....	562.98	26.63
For Gate With Single Barb Wire Arm, Add	53.12	
For Gate With Double Barb Wire Arm, Add	77.26	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-90.54	
For Aluminized Steel Gate And Post, Add	231.79	
For Powder Coated Gate And Post, Add	125.55	
For 1" Mesh Fabric, Add	210.06	
For 1-1/4" Mesh Fabric, Add	135.21	
For 1-3/4" Mesh Fabric, Add	84.02	
For 2-1/8" Mesh Fabric, Deduct	-42.01	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0308	EA	5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	659.84	28.32
			<i>For Gate With Single Barb Wire Arm, Add</i>	63.23	
			<i>For Gate With Double Barb Wire Arm, Add</i>	91.97	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-107.78	
			<i>For Aluminized Steel Gate And Post, Add</i>	275.90	
			<i>For Powder Coated Gate And Post, Add</i>	149.45	
			<i>For 1" Mesh Fabric, Add</i>	250.04	
			<i>For 1-1/4" Mesh Fabric, Add</i>	160.94	
			<i>For 1-3/4" Mesh Fabric, Add</i>	100.02	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-50.01	
32 31 13	13-0309	EA	6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	765.93	34.20
			<i>For Gate With Single Barb Wire Arm, Add</i>	72.95	
			<i>For Gate With Double Barb Wire Arm, Add</i>	106.10	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-124.34	
			<i>For Aluminized Steel Gate And Post, Add</i>	318.31	
			<i>For Powder Coated Gate And Post, Add</i>	172.42	
			<i>For 1" Mesh Fabric, Add</i>	288.47	
			<i>For 1-1/4" Mesh Fabric, Add</i>	185.68	
			<i>For 1-3/4" Mesh Fabric, Add</i>	115.39	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-57.69	
32 31 13	13-0310	EA	7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	877.14	40.18
			<i>For Gate With Single Barb Wire Arm, Add</i>	83.23	
			<i>For Gate With Double Barb Wire Arm, Add</i>	121.06	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-141.86	
			<i>For Aluminized Steel Gate And Post, Add</i>	363.17	
			<i>For Powder Coated Gate And Post, Add</i>	196.72	
			<i>For 1" Mesh Fabric, Add</i>	329.12	
			<i>For 1-1/4" Mesh Fabric, Add</i>	211.85	
			<i>For 1-3/4" Mesh Fabric, Add</i>	131.65	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-65.82	
32 31 13	13-0311	EA	8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	982.97	45.78
			<i>For Gate With Single Barb Wire Arm, Add</i>	93.02	
			<i>For Gate With Double Barb Wire Arm, Add</i>	135.30	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-158.55	
			<i>For Aluminized Steel Gate And Post, Add</i>	405.89	
			<i>For Powder Coated Gate And Post, Add</i>	219.86	
			<i>For 1" Mesh Fabric, Add</i>	367.84	
			<i>For 1-1/4" Mesh Fabric, Add</i>	236.77	
			<i>For 1-3/4" Mesh Fabric, Add</i>	147.14	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-73.57	
32 31 13	13-0312	EA	9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	1,089.75	51.68
			<i>For Gate With Single Barb Wire Arm, Add</i>	102.81	
			<i>For Gate With Double Barb Wire Arm, Add</i>	149.54	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-175.24	
			<i>For Aluminized Steel Gate And Post, Add</i>	448.62	
			<i>For Powder Coated Gate And Post, Add</i>	243.00	
			<i>For 1" Mesh Fabric, Add</i>	406.56	
			<i>For 1-1/4" Mesh Fabric, Add</i>	261.70	
			<i>For 1-3/4" Mesh Fabric, Add</i>	162.63	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-81.31	
32 31 13	13-0313	EA	10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	1,156.44	57.56
			<i>For Gate With Single Barb Wire Arm, Add</i>	108.19	
			<i>For Gate With Double Barb Wire Arm, Add</i>	157.37	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-184.42	
			<i>For Aluminized Steel Gate And Post, Add</i>	472.12	
			<i>For Powder Coated Gate And Post, Add</i>	255.73	
			<i>For 1" Mesh Fabric, Add</i>	427.86	
			<i>For 1-1/4" Mesh Fabric, Add</i>	275.40	
			<i>For 1-3/4" Mesh Fabric, Add</i>	171.14	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-85.57	
32 31 13	13-0314	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire.....	1,619.86	57.47
			<i>For Gate With Single Barb Wire Arm, Add</i>	159.21	
			<i>For Gate With Double Barb Wire Arm, Add</i>	231.57	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-271.38	
			<i>For Aluminized Steel Gate And Post, Add</i>	694.72	
			<i>For Powder Coated Gate And Post, Add</i>	376.31	
			<i>For 1" Mesh Fabric, Add</i>	629.59	
			<i>For 1-1/4" Mesh Fabric, Add</i>	405.26	
			<i>For 1-3/4" Mesh Fabric, Add</i>	251.84	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-125.92	
32 31 13	13-0315	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire.....	1,922.62	62.24
			<i>For Gate With Single Barb Wire Arm, Add</i>	190.93	
			<i>For Gate With Double Barb Wire Arm, Add</i>	277.72	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-325.45	
			<i>For Aluminized Steel Gate And Post, Add</i>	833.15	
			<i>For Powder Coated Gate And Post, Add</i>	451.29	
			<i>For 1" Mesh Fabric, Add</i>	755.04	
			<i>For 1-1/4" Mesh Fabric, Add</i>	486.00	
			<i>For 1-3/4" Mesh Fabric, Add</i>	302.02	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-151.01	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0316 EA 14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	2,287.24	85.83
For Gate With Single Barb Wire Arm, Add	223.24	
For Gate With Double Barb Wire Arm, Add	324.72	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-380.53	
For Aluminized Steel Gate And Post, Add	974.15	
For Powder Coated Gate And Post, Add	527.66	
For 1" Mesh Fabric, Add	882.82	
For 1-1/4" Mesh Fabric, Add	568.25	
For 1-3/4" Mesh Fabric, Add	353.13	
For 2-1/8" Mesh Fabric, Deduct	-176.56	
32 31 13 13-0317 EA 16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	2,595.47	92.48
For Gate With Single Barb Wire Arm, Add	254.97	
For Gate With Double Barb Wire Arm, Add	370.86	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-434.60	
For Aluminized Steel Gate And Post, Add	1,112.58	
For Powder Coated Gate And Post, Add	602.65	
For 1" Mesh Fabric, Add	1,008.27	
For 1-1/4" Mesh Fabric, Add	649.00	
For 1-3/4" Mesh Fabric, Add	403.31	
For 2-1/8" Mesh Fabric, Deduct	-201.65	
32 31 13 13-0318 EA 18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	2,912.34	100.15
For Gate With Single Barb Wire Arm, Add	287.28	
For Gate With Double Barb Wire Arm, Add	417.86	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-489.68	
For Aluminized Steel Gate And Post, Add	1,253.57	
For Powder Coated Gate And Post, Add	679.02	
For 1" Mesh Fabric, Add	1,136.05	
For 1-1/4" Mesh Fabric, Add	731.25	
For 1-3/4" Mesh Fabric, Add	454.42	
For 2-1/8" Mesh Fabric, Deduct	-227.21	
32 31 13 13-0319 EA 20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	3,233.42	109.28
For Gate With Single Barb Wire Arm, Add	319.59	
For Gate With Double Barb Wire Arm, Add	464.86	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-544.75	
For Aluminized Steel Gate And Post, Add	1,394.57	
For Powder Coated Gate And Post, Add	755.39	
For 1" Mesh Fabric, Add	1,263.83	
For 1-1/4" Mesh Fabric, Add	813.50	
For 1-3/4" Mesh Fabric, Add	505.53	
For 2-1/8" Mesh Fabric, Deduct	-252.77	
32 31 13 13-0320 EA 22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	3,554.63	120.22
For Gate With Single Barb Wire Arm, Add	351.31	
For Gate With Double Barb Wire Arm, Add	511.00	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-598.83	
For Aluminized Steel Gate And Post, Add	1,533.00	
For Powder Coated Gate And Post, Add	830.38	
For 1" Mesh Fabric, Add	1,389.28	
For 1-1/4" Mesh Fabric, Add	894.25	
For 1-3/4" Mesh Fabric, Add	555.71	
For 2-1/8" Mesh Fabric, Deduct	-277.86	
32 31 13 13-0321 EA 24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	3,885.79	133.52
For Gate With Single Barb Wire Arm, Add	383.33	
For Gate With Double Barb Wire Arm, Add	557.57	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-653.40	
For Aluminized Steel Gate And Post, Add	1,672.71	
For Powder Coated Gate And Post, Add	906.05	
For 1" Mesh Fabric, Add	1,515.90	
For 1-1/4" Mesh Fabric, Add	975.75	
For 1-3/4" Mesh Fabric, Add	606.36	
For 2-1/8" Mesh Fabric, Deduct	-303.18	
32 31 13 13-0322 EA 26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	4,223.77	150.22
For Gate With Single Barb Wire Arm, Add	414.99	
For Gate With Double Barb Wire Arm, Add	603.63	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-707.38	
For Aluminized Steel Gate And Post, Add	1,810.89	
For Powder Coated Gate And Post, Add	980.90	
For 1" Mesh Fabric, Add	1,641.12	
For 1-1/4" Mesh Fabric, Add	1,056.35	
For 1-3/4" Mesh Fabric, Add	656.45	
For 2-1/8" Mesh Fabric, Deduct	-328.22	
32 31 13 13-0323 EA 28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	4,579.83	171.64
For Gate With Single Barb Wire Arm, Add	447.07	
For Gate With Double Barb Wire Arm, Add	650.29	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-762.05	
For Aluminized Steel Gate And Post, Add	1,950.86	
For Powder Coated Gate And Post, Add	1,056.72	
For 1" Mesh Fabric, Add	1,767.97	
For 1-1/4" Mesh Fabric, Add	1,138.00	
For 1-3/4" Mesh Fabric, Add	707.19	
For 2-1/8" Mesh Fabric, Deduct	-353.59	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0324	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	4,957.89	200.29
			<i>For Gate With Single Barb Wire Arm, Add</i>	479.21	
			<i>For Gate With Double Barb Wire Arm, Add</i>	697.03	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-816.83	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,091.09	
			<i>For Powder Coated Gate And Post, Add</i>	1,132.67	
			<i>For 1" Mesh Fabric, Add</i>	1,895.05	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,219.80	
			<i>For 1-3/4" Mesh Fabric, Add</i>	758.02	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-379.01	
<b>32 31</b>	<b>13 13-0325</b>		<b>7' Fence Height (32 31 13 13-0264)</b>		
32 31	13 13-0326	EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	464.56	28.68
			<i>For Gate With Single Barb Wire Arm, Add</i>	41.61	
			<i>For Gate With Double Barb Wire Arm, Add</i>	60.53	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-70.93	
			<i>For Aluminized Steel Gate And Post, Add</i>	181.58	
			<i>For Powder Coated Gate And Post, Add</i>	98.36	
			<i>For 1" Mesh Fabric, Add</i>	164.56	
			<i>For 1-1/4" Mesh Fabric, Add</i>	105.92	
			<i>For 1-3/4" Mesh Fabric, Add</i>	65.82	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-32.91	
32 31	13 13-0327	EA	4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	589.18	28.68
			<i>For Gate With Single Barb Wire Arm, Add</i>	55.32	
			<i>For Gate With Double Barb Wire Arm, Add</i>	80.47	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-94.30	
			<i>For Aluminized Steel Gate And Post, Add</i>	241.40	
			<i>For Powder Coated Gate And Post, Add</i>	130.76	
			<i>For 1" Mesh Fabric, Add</i>	218.77	
			<i>For 1-1/4" Mesh Fabric, Add</i>	140.82	
			<i>For 1-3/4" Mesh Fabric, Add</i>	87.51	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-43.75	
32 31	13 13-0328	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	694.51	30.18
			<i>For Gate With Single Barb Wire Arm, Add</i>	66.42	
			<i>For Gate With Double Barb Wire Arm, Add</i>	96.62	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-113.22	
			<i>For Aluminized Steel Gate And Post, Add</i>	289.85	
			<i>For Powder Coated Gate And Post, Add</i>	157.00	
			<i>For 1" Mesh Fabric, Add</i>	262.68	
			<i>For 1-1/4" Mesh Fabric, Add</i>	169.08	
			<i>For 1-3/4" Mesh Fabric, Add</i>	105.07	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-52.54	
32 31	13 13-0329	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	851.20	36.73
			<i>For Gate With Single Barb Wire Arm, Add</i>	81.50	
			<i>For Gate With Double Barb Wire Arm, Add</i>	118.55	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-138.93	
			<i>For Aluminized Steel Gate And Post, Add</i>	355.65	
			<i>For Powder Coated Gate And Post, Add</i>	192.64	
			<i>For 1" Mesh Fabric, Add</i>	322.31	
			<i>For 1-1/4" Mesh Fabric, Add</i>	207.46	
			<i>For 1-3/4" Mesh Fabric, Add</i>	128.92	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-64.46	
32 31	13 13-0330	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	1,007.01	42.99
			<i>For Gate With Single Barb Wire Arm, Add</i>	96.59	
			<i>For Gate With Double Barb Wire Arm, Add</i>	140.49	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-164.64	
			<i>For Aluminized Steel Gate And Post, Add</i>	421.47	
			<i>For Powder Coated Gate And Post, Add</i>	228.30	
			<i>For 1" Mesh Fabric, Add</i>	381.96	
			<i>For 1-1/4" Mesh Fabric, Add</i>	245.86	
			<i>For 1-3/4" Mesh Fabric, Add</i>	152.78	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-76.39	
32 31	13 13-0331	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	1,163.72	49.43
			<i>For Gate With Single Barb Wire Arm, Add</i>	111.67	
			<i>For Gate With Double Barb Wire Arm, Add</i>	162.42	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-190.34	
			<i>For Aluminized Steel Gate And Post, Add</i>	487.27	
			<i>For Powder Coated Gate And Post, Add</i>	263.94	
			<i>For 1" Mesh Fabric, Add</i>	441.59	
			<i>For 1-1/4" Mesh Fabric, Add</i>	284.24	
			<i>For 1-3/4" Mesh Fabric, Add</i>	176.63	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-88.32	
32 31	13 13-0332	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	1,319.53	55.69
			<i>For Gate With Single Barb Wire Arm, Add</i>	126.75	
			<i>For Gate With Double Barb Wire Arm, Add</i>	184.36	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-216.05	
			<i>For Aluminized Steel Gate And Post, Add</i>	553.08	
			<i>For Powder Coated Gate And Post, Add</i>	299.59	
			<i>For 1" Mesh Fabric, Add</i>	501.23	
			<i>For 1-1/4" Mesh Fabric, Add</i>	322.63	
			<i>For 1-3/4" Mesh Fabric, Add</i>	200.49	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-100.25	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0333 EA 10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	1,451.53	62.24
For Gate With Single Barb Wire Arm, Add	139.11	
For Gate With Double Barb Wire Arm, Add	202.34	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-237.12	
For Aluminized Steel Gate And Post, Add	607.03	
For Powder Coated Gate And Post, Add	328.81	
For 1" Mesh Fabric, Add	550.12	
For 1-1/4" Mesh Fabric, Add	354.10	
For 1-3/4" Mesh Fabric, Add	220.05	
For 2-1/8" Mesh Fabric, Deduct	-110.02	
32 31 13 13-0334 EA 10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	1,846.89	62.24
For Gate With Single Barb Wire Arm, Add	182.60	
For Gate With Double Barb Wire Arm, Add	265.60	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-311.25	
For Aluminized Steel Gate And Post, Add	796.80	
For Powder Coated Gate And Post, Add	431.60	
For 1" Mesh Fabric, Add	722.10	
For 1-1/4" Mesh Fabric, Add	464.80	
For 1-3/4" Mesh Fabric, Add	288.84	
For 2-1/8" Mesh Fabric, Deduct	-144.42	
32 31 13 13-0335 EA 12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	2,103.55	85.83
For Gate With Single Barb Wire Arm, Add	203.04	
For Gate With Double Barb Wire Arm, Add	295.32	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-346.08	
For Aluminized Steel Gate And Post, Add	885.97	
For Powder Coated Gate And Post, Add	479.90	
For 1" Mesh Fabric, Add	802.91	
For 1-1/4" Mesh Fabric, Add	516.82	
For 1-3/4" Mesh Fabric, Add	321.17	
For 2-1/8" Mesh Fabric, Deduct	-160.58	
32 31 13 13-0336 EA 14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	2,431.01	92.48
For Gate With Single Barb Wire Arm, Add	236.88	
For Gate With Double Barb Wire Arm, Add	344.55	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-403.76	
For Aluminized Steel Gate And Post, Add	1,033.64	
For Powder Coated Gate And Post, Add	559.89	
For 1" Mesh Fabric, Add	936.73	
For 1-1/4" Mesh Fabric, Add	602.95	
For 1-3/4" Mesh Fabric, Add	374.69	
For 2-1/8" Mesh Fabric, Deduct	-187.35	
32 31 13 13-0337 EA 16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	2,736.10	100.15
For Gate With Single Barb Wire Arm, Add	267.89	
For Gate With Double Barb Wire Arm, Add	389.66	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-456.63	
For Aluminized Steel Gate And Post, Add	1,168.98	
For Powder Coated Gate And Post, Add	633.20	
For 1" Mesh Fabric, Add	1,059.39	
For 1-1/4" Mesh Fabric, Add	681.90	
For 1-3/4" Mesh Fabric, Add	423.75	
For 2-1/8" Mesh Fabric, Deduct	-211.88	
32 31 13 13-0338 EA 18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	3,073.20	109.28
For Gate With Single Barb Wire Arm, Add	301.96	
For Gate With Double Barb Wire Arm, Add	439.22	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-514.71	
For Aluminized Steel Gate And Post, Add	1,317.66	
For Powder Coated Gate And Post, Add	713.73	
For 1" Mesh Fabric, Add	1,194.13	
For 1-1/4" Mesh Fabric, Add	768.64	
For 1-3/4" Mesh Fabric, Add	477.65	
For 2-1/8" Mesh Fabric, Deduct	-238.83	
32 31 13 13-0339 EA 20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	3,410.43	120.22
For Gate With Single Barb Wire Arm, Add	335.45	
For Gate With Double Barb Wire Arm, Add	487.93	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-571.79	
For Aluminized Steel Gate And Post, Add	1,463.78	
For Powder Coated Gate And Post, Add	792.88	
For 1" Mesh Fabric, Add	1,326.55	
For 1-1/4" Mesh Fabric, Add	853.87	
For 1-3/4" Mesh Fabric, Add	530.62	
For 2-1/8" Mesh Fabric, Deduct	-265.31	
32 31 13 13-0340 EA 22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	3,754.94	133.52
For Gate With Single Barb Wire Arm, Add	368.94	
For Gate With Double Barb Wire Arm, Add	536.64	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-628.87	
For Aluminized Steel Gate And Post, Add	1,609.91	
For Powder Coated Gate And Post, Add	872.03	
For 1" Mesh Fabric, Add	1,458.98	
For 1-1/4" Mesh Fabric, Add	939.11	
For 1-3/4" Mesh Fabric, Add	583.59	
For 2-1/8" Mesh Fabric, Deduct	-291.80	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0341 EA 24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	4,109.48	150.22
For Gate With Single Barb Wire Arm, Add	402.42	
For Gate With Double Barb Wire Arm, Add	585.34	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-685.95	
For Aluminized Steel Gate And Post, Add	1,756.03	
For Powder Coated Gate And Post, Add	951.18	
For 1" Mesh Fabric, Add	1,591.40	
For 1-1/4" Mesh Fabric, Add	1,024.35	
For 1-3/4" Mesh Fabric, Add	636.56	
For 2-1/8" Mesh Fabric, Deduct	-318.28	
32 31 13 13-0342 EA 26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	4,478.35	171.64
For Gate With Single Barb Wire Arm, Add	435.91	
For Gate With Double Barb Wire Arm, Add	634.05	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-743.03	
For Aluminized Steel Gate And Post, Add	1,902.15	
For Powder Coated Gate And Post, Add	1,030.33	
For 1" Mesh Fabric, Add	1,723.82	
For 1-1/4" Mesh Fabric, Add	1,109.59	
For 1-3/4" Mesh Fabric, Add	689.53	
For 2-1/8" Mesh Fabric, Deduct	-344.76	
32 31 13 13-0343 EA 28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	4,868.70	200.29
For Gate With Single Barb Wire Arm, Add	469.40	
For Gate With Double Barb Wire Arm, Add	682.76	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-800.11	
For Aluminized Steel Gate And Post, Add	2,048.28	
For Powder Coated Gate And Post, Add	1,109.48	
For 1" Mesh Fabric, Add	1,856.25	
For 1-1/4" Mesh Fabric, Add	1,194.83	
For 1-3/4" Mesh Fabric, Add	742.50	
For 2-1/8" Mesh Fabric, Deduct	-371.25	
32 31 13 13-0344 EA 30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	5,293.41	240.32
For Gate With Single Barb Wire Arm, Add	502.88	
For Gate With Double Barb Wire Arm, Add	731.47	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-857.19	
For Aluminized Steel Gate And Post, Add	2,194.40	
For Powder Coated Gate And Post, Add	1,188.63	
For 1" Mesh Fabric, Add	1,988.67	
For 1-1/4" Mesh Fabric, Add	1,280.06	
For 1-3/4" Mesh Fabric, Add	795.47	
For 2-1/8" Mesh Fabric, Deduct	-397.73	
<b>32 31 13 13-0345 8' Fence Height (32 31 13 13-0264)</b>		
32 31 13 13-0346 EA 3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	545.24	31.11
For Gate With Single Barb Wire Arm, Add	49.70	
For Gate With Double Barb Wire Arm, Add	72.29	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-84.71	
For Aluminized Steel Gate And Post, Add	216.86	
For Powder Coated Gate And Post, Add	117.47	
For 1" Mesh Fabric, Add	196.53	
For 1-1/4" Mesh Fabric, Add	126.50	
For 1-3/4" Mesh Fabric, Add	78.61	
For 2-1/8" Mesh Fabric, Deduct	-39.31	
32 31 13 13-0347 EA 4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	695.85	31.11
For Gate With Single Barb Wire Arm, Add	66.27	
For Gate With Double Barb Wire Arm, Add	96.39	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-112.95	
For Aluminized Steel Gate And Post, Add	289.16	
For Powder Coated Gate And Post, Add	156.63	
For 1" Mesh Fabric, Add	262.05	
For 1-1/4" Mesh Fabric, Add	168.67	
For 1-3/4" Mesh Fabric, Add	104.82	
For 2-1/8" Mesh Fabric, Deduct	-52.41	
32 31 13 13-0348 EA 5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	812.69	34.67
For Gate With Single Barb Wire Arm, Add	77.93	
For Gate With Double Barb Wire Arm, Add	113.36	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-132.84	
For Aluminized Steel Gate And Post, Add	340.08	
For Powder Coated Gate And Post, Add	184.21	
For 1" Mesh Fabric, Add	308.19	
For 1-1/4" Mesh Fabric, Add	198.38	
For 1-3/4" Mesh Fabric, Add	123.28	
For 2-1/8" Mesh Fabric, Deduct	-61.64	
32 31 13 13-0349 EA 6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	932.33	39.25
For Gate With Single Barb Wire Arm, Add	89.60	
For Gate With Double Barb Wire Arm, Add	130.33	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-152.74	
For Aluminized Steel Gate And Post, Add	391.00	
For Powder Coated Gate And Post, Add	211.79	
For 1" Mesh Fabric, Add	354.35	
For 1-1/4" Mesh Fabric, Add	228.09	
For 1-3/4" Mesh Fabric, Add	141.74	
For 2-1/8" Mesh Fabric, Deduct	-70.87	





<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0350 EA 7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	1,062.73	47.28
For Gate With Single Barb Wire Arm, Add	101.28	
For Gate With Double Barb Wire Arm, Add	147.31	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-172.63	
For Aluminized Steel Gate And Post, Add	441.94	
For Powder Coated Gate And Post, Add	239.38	
For 1" Mesh Fabric, Add	400.50	
For 1-1/4" Mesh Fabric, Add	257.80	
For 1-3/4" Mesh Fabric, Add	160.20	
For 2-1/8" Mesh Fabric, Deduct	-80.10	
32 31 13 13-0351 EA 8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	1,192.20	55.04
For Gate With Single Barb Wire Arm, Add	112.95	
For Gate With Double Barb Wire Arm, Add	164.29	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-192.53	
For Aluminized Steel Gate And Post, Add	492.86	
For Powder Coated Gate And Post, Add	266.97	
For 1" Mesh Fabric, Add	446.66	
For 1-1/4" Mesh Fabric, Add	287.50	
For 1-3/4" Mesh Fabric, Add	178.66	
For 2-1/8" Mesh Fabric, Deduct	-89.33	
32 31 13 13-0352 EA 9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	1,322.60	63.17
For Gate With Single Barb Wire Arm, Add	124.62	
For Gate With Double Barb Wire Arm, Add	181.26	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-212.42	
For Aluminized Steel Gate And Post, Add	543.79	
For Powder Coated Gate And Post, Add	294.55	
For 1" Mesh Fabric, Add	492.81	
For 1-1/4" Mesh Fabric, Add	317.21	
For 1-3/4" Mesh Fabric, Add	197.12	
For 2-1/8" Mesh Fabric, Deduct	-98.56	
32 31 13 13-0353 EA 10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	1,452.98	71.29
For Gate With Single Barb Wire Arm, Add	136.29	
For Gate With Double Barb Wire Arm, Add	198.24	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-232.31	
For Aluminized Steel Gate And Post, Add	594.72	
For Powder Coated Gate And Post, Add	322.14	
For 1" Mesh Fabric, Add	538.97	
For 1-1/4" Mesh Fabric, Add	346.92	
For 1-3/4" Mesh Fabric, Add	215.59	
For 2-1/8" Mesh Fabric, Deduct	-107.79	
32 31 13 13-0354 EA 10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	2,116.30	85.83
For Gate With Single Barb Wire Arm, Add	204.44	
For Gate With Double Barb Wire Arm, Add	297.36	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-348.47	
For Aluminized Steel Gate And Post, Add	892.09	
For Powder Coated Gate And Post, Add	483.22	
For 1" Mesh Fabric, Add	808.46	
For 1-1/4" Mesh Fabric, Add	520.39	
For 1-3/4" Mesh Fabric, Add	323.38	
For 2-1/8" Mesh Fabric, Deduct	-161.69	
32 31 13 13-0355 EA 12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	2,494.00	92.48
For Gate With Single Barb Wire Arm, Add	243.80	
For Gate With Double Barb Wire Arm, Add	354.62	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-415.58	
For Aluminized Steel Gate And Post, Add	1,063.87	
For Powder Coated Gate And Post, Add	576.26	
For 1" Mesh Fabric, Add	964.13	
For 1-1/4" Mesh Fabric, Add	620.59	
For 1-3/4" Mesh Fabric, Add	385.65	
For 2-1/8" Mesh Fabric, Deduct	-192.83	
32 31 13 13-0356 EA 14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	2,880.30	100.15
For Gate With Single Barb Wire Arm, Add	283.75	
For Gate With Double Barb Wire Arm, Add	412.73	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-483.67	
For Aluminized Steel Gate And Post, Add	1,238.19	
For Powder Coated Gate And Post, Add	670.69	
For 1" Mesh Fabric, Add	1,122.11	
For 1-1/4" Mesh Fabric, Add	722.28	
For 1-3/4" Mesh Fabric, Add	448.85	
For 2-1/8" Mesh Fabric, Deduct	-224.42	
32 31 13 13-0357 EA 16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	3,281.49	109.28
For Gate With Single Barb Wire Arm, Add	324.88	
For Gate With Double Barb Wire Arm, Add	472.55	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-553.77	
For Aluminized Steel Gate And Post, Add	1,417.64	
For Powder Coated Gate And Post, Add	767.89	
For 1" Mesh Fabric, Add	1,284.74	
For 1-1/4" Mesh Fabric, Add	826.96	
For 1-3/4" Mesh Fabric, Add	513.90	
For 2-1/8" Mesh Fabric, Deduct	-256.95	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0358	EA	18 Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	3,688.15	120.22
			<i>For Gate With Single Barb Wire Arm, Add</i>	366.00	
			<i>For Gate With Double Barb Wire Arm, Add</i>	532.36	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-623.86	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,597.09	
			<i>For Powder Coated Gate And Post, Add</i>	865.09	
			<i>For 1" Mesh Fabric, Add</i>	1,447.36	
			<i>For 1-1/4" Mesh Fabric, Add</i>	931.64	
			<i>For 1-3/4" Mesh Fabric, Add</i>	578.94	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-289.47	
32 31 13	13-0359	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	4,096.75	133.52
			<i>For Gate With Single Barb Wire Arm, Add</i>	406.54	
			<i>For Gate With Double Barb Wire Arm, Add</i>	591.32	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-692.96	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,773.97	
			<i>For Powder Coated Gate And Post, Add</i>	960.90	
			<i>For 1" Mesh Fabric, Add</i>	1,607.66	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,034.82	
			<i>For 1-3/4" Mesh Fabric, Add</i>	643.07	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-321.53	
32 31 13	13-0360	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	4,510.04	150.22
			<i>For Gate With Single Barb Wire Arm, Add</i>	446.48	
			<i>For Gate With Double Barb Wire Arm, Add</i>	649.43	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-761.05	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,948.30	
			<i>For Powder Coated Gate And Post, Add</i>	1,055.33	
			<i>For 1" Mesh Fabric, Add</i>	1,765.64	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,136.51	
			<i>For 1-3/4" Mesh Fabric, Add</i>	706.26	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-353.13	
32 31 13	13-0361	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	4,948.34	171.64
			<i>For Gate With Single Barb Wire Arm, Add</i>	487.61	
			<i>For Gate With Double Barb Wire Arm, Add</i>	709.25	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-831.15	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,127.74	
			<i>For Powder Coated Gate And Post, Add</i>	1,152.53	
			<i>For 1" Mesh Fabric, Add</i>	1,928.27	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,241.18	
			<i>For 1-3/4" Mesh Fabric, Add</i>	771.31	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-385.65	
32 31 13	13-0362	EA	26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	5,408.11	200.29
			<i>For Gate With Single Barb Wire Arm, Add</i>	528.73	
			<i>For Gate With Double Barb Wire Arm, Add</i>	769.06	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-901.25	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,307.19	
			<i>For Powder Coated Gate And Post, Add</i>	1,249.73	
			<i>For 1" Mesh Fabric, Add</i>	2,090.89	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,345.86	
			<i>For 1-3/4" Mesh Fabric, Add</i>	836.36	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-418.18	
32 31 13	13-0363	EA	28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	5,896.91	240.32
			<i>For Gate With Single Barb Wire Arm, Add</i>	569.27	
			<i>For Gate With Double Barb Wire Arm, Add</i>	828.03	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-970.34	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,484.08	
			<i>For Powder Coated Gate And Post, Add</i>	1,345.54	
			<i>For 1" Mesh Fabric, Add</i>	2,251.19	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,449.04	
			<i>For 1-3/4" Mesh Fabric, Add</i>	900.48	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-450.24	
32 31 13	13-0364	EA	30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	6,445.86	300.43
			<i>For Gate With Single Barb Wire Arm, Add</i>	609.80	
			<i>For Gate With Double Barb Wire Arm, Add</i>	886.99	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,039.44	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,660.96	
			<i>For Powder Coated Gate And Post, Add</i>	1,441.35	
			<i>For 1" Mesh Fabric, Add</i>	2,411.50	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,552.23	
			<i>For 1-3/4" Mesh Fabric, Add</i>	964.60	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-482.30	
32 31 13	13-0365		<b>10' Fence Height</b> <small>(32 31 13 13-0264)</small>		
32 31 13	13-0366	EA	3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	688.07	34.58
			<i>For Gate With Single Barb Wire Arm, Add</i>	64.27	
			<i>For Gate With Double Barb Wire Arm, Add</i>	93.48	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-109.55	
			<i>For Aluminized Steel Gate And Post, Add</i>	280.44	
			<i>For Powder Coated Gate And Post, Add</i>	151.90	
			<i>For 1" Mesh Fabric, Add</i>	254.14	
			<i>For 1-1/4" Mesh Fabric, Add</i>	163.59	
			<i>For 1-3/4" Mesh Fabric, Add</i>	101.66	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-50.83	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0367 EA 4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	882.81	34.58
For Gate With Single Barb Wire Arm, Add	85.69	
For Gate With Double Barb Wire Arm, Add	124.64	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-146.06	
For Aluminized Steel Gate And Post, Add	373.91	
For Powder Coated Gate And Post, Add	202.53	
For 1" Mesh Fabric, Add	338.86	
For 1-1/4" Mesh Fabric, Add	218.11	
For 1-3/4" Mesh Fabric, Add	135.54	
For 2-1/8" Mesh Fabric, Deduct	-67.77	
32 31 13 13-0368 EA 5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,024.60	36.07
For Gate With Single Barb Wire Arm, Add	100.78	
For Gate With Double Barb Wire Arm, Add	146.59	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-171.79	
For Aluminized Steel Gate And Post, Add	439.78	
For Powder Coated Gate And Post, Add	238.21	
For 1" Mesh Fabric, Add	398.55	
For 1-1/4" Mesh Fabric, Add	256.54	
For 1-3/4" Mesh Fabric, Add	159.42	
For 2-1/8" Mesh Fabric, Deduct	-79.71	
32 31 13 13-0369 EA 6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,187.97	44.85
For Gate With Single Barb Wire Arm, Add	115.88	
For Gate With Double Barb Wire Arm, Add	168.55	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-197.51	
For Aluminized Steel Gate And Post, Add	505.64	
For Powder Coated Gate And Post, Add	273.89	
For 1" Mesh Fabric, Add	458.23	
For 1-1/4" Mesh Fabric, Add	294.95	
For 1-3/4" Mesh Fabric, Add	183.29	
For 2-1/8" Mesh Fabric, Deduct	-91.65	
32 31 13 13-0370 EA 7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,350.77	53.17
For Gate With Single Barb Wire Arm, Add	130.96	
For Gate With Double Barb Wire Arm, Add	190.49	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-223.23	
For Aluminized Steel Gate And Post, Add	571.48	
For Powder Coated Gate And Post, Add	309.55	
For 1" Mesh Fabric, Add	517.90	
For 1-1/4" Mesh Fabric, Add	333.36	
For 1-3/4" Mesh Fabric, Add	207.16	
For 2-1/8" Mesh Fabric, Deduct	-103.58	
32 31 13 13-0371 EA 8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,513.74	61.95
For Gate With Single Barb Wire Arm, Add	146.06	
For Gate With Double Barb Wire Arm, Add	212.45	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-248.96	
For Aluminized Steel Gate And Post, Add	637.34	
For Powder Coated Gate And Post, Add	345.23	
For 1" Mesh Fabric, Add	577.59	
For 1-1/4" Mesh Fabric, Add	371.78	
For 1-3/4" Mesh Fabric, Add	231.04	
For 2-1/8" Mesh Fabric, Deduct	-115.52	
32 31 13 13-0372 EA 9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,676.18	70.36
For Gate With Single Barb Wire Arm, Add	161.15	
For Gate With Double Barb Wire Arm, Add	234.40	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-274.69	
For Aluminized Steel Gate And Post, Add	703.20	
For Powder Coated Gate And Post, Add	380.90	
For 1" Mesh Fabric, Add	637.28	
For 1-1/4" Mesh Fabric, Add	410.20	
For 1-3/4" Mesh Fabric, Add	254.91	
For 2-1/8" Mesh Fabric, Deduct	-127.46	
32 31 13 13-0373 EA 10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,839.57	79.05
For Gate With Single Barb Wire Arm, Add	176.24	
For Gate With Double Barb Wire Arm, Add	256.36	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-300.42	
For Aluminized Steel Gate And Post, Add	769.07	
For Powder Coated Gate And Post, Add	416.58	
For 1" Mesh Fabric, Add	696.97	
For 1-1/4" Mesh Fabric, Add	448.62	
For 1-3/4" Mesh Fabric, Add	278.79	
For 2-1/8" Mesh Fabric, Deduct	-139.39	
32 31 13 13-0374 EA 10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	2,689.71	95.41
For Gate With Single Barb Wire Arm, Add	264.36	
For Gate With Double Barb Wire Arm, Add	384.53	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-450.62	
For Aluminized Steel Gate And Post, Add	1,153.58	
For Powder Coated Gate And Post, Add	624.86	
For 1" Mesh Fabric, Add	1,045.44	
For 1-1/4" Mesh Fabric, Add	672.92	
For 1-3/4" Mesh Fabric, Add	418.17	
For 2-1/8" Mesh Fabric, Deduct	-209.09	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0375	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	2,925.33	102.63
			<i>For Gate With Single Barb Wire Arm, Add</i>	287.87	
			<i>For Gate With Double Barb Wire Arm, Add</i>	418.72	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-490.69	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,256.16	
			<i>For Powder Coated Gate And Post, Add</i>	680.42	
			<i>For 1" Mesh Fabric, Add</i>	1,138.39	
			<i>For 1-1/4" Mesh Fabric, Add</i>	732.76	
			<i>For 1-3/4" Mesh Fabric, Add</i>	455.36	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-227.68	
32 31	13 13-0376	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	3,335.62	111.31
			<i>For Gate With Single Barb Wire Arm, Add</i>	330.16	
			<i>For Gate With Double Barb Wire Arm, Add</i>	480.24	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-562.78	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,440.71	
			<i>For Powder Coated Gate And Post, Add</i>	780.38	
			<i>For 1" Mesh Fabric, Add</i>	1,305.64	
			<i>For 1-1/4" Mesh Fabric, Add</i>	840.41	
			<i>For 1-3/4" Mesh Fabric, Add</i>	522.26	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-261.13	
32 31	13 13-0377	EA	16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	3,793.11	121.35
			<i>For Gate With Single Barb Wire Arm, Add</i>	377.16	
			<i>For Gate With Double Barb Wire Arm, Add</i>	548.60	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-642.89	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,645.80	
			<i>For Powder Coated Gate And Post, Add</i>	891.47	
			<i>For 1" Mesh Fabric, Add</i>	1,491.50	
			<i>For 1-1/4" Mesh Fabric, Add</i>	960.05	
			<i>For 1-3/4" Mesh Fabric, Add</i>	596.60	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-298.30	
32 31	13 13-0378	EA	18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	4,256.97	133.52
			<i>For Gate With Single Barb Wire Arm, Add</i>	424.16	
			<i>For Gate With Double Barb Wire Arm, Add</i>	616.96	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-723.00	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,850.88	
			<i>For Powder Coated Gate And Post, Add</i>	1,002.56	
			<i>For 1" Mesh Fabric, Add</i>	1,677.36	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,079.68	
			<i>For 1-3/4" Mesh Fabric, Add</i>	670.94	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-335.47	
32 31	13 13-0379	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	4,731.24	148.30
			<i>For Gate With Single Barb Wire Arm, Add</i>	471.45	
			<i>For Gate With Double Barb Wire Arm, Add</i>	685.75	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-803.61	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,057.25	
			<i>For Powder Coated Gate And Post, Add</i>	1,114.34	
			<i>For 1" Mesh Fabric, Add</i>	1,864.38	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,200.06	
			<i>For 1-3/4" Mesh Fabric, Add</i>	745.75	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-372.88	
32 31	13 13-0380	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	5,217.08	166.91
			<i>For Gate With Single Barb Wire Arm, Add</i>	518.74	
			<i>For Gate With Double Barb Wire Arm, Add</i>	754.54	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-884.22	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,263.61	
			<i>For Powder Coated Gate And Post, Add</i>	1,226.12	
			<i>For 1" Mesh Fabric, Add</i>	2,051.40	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,320.44	
			<i>For 1-3/4" Mesh Fabric, Add</i>	820.56	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-410.28	
32 31	13 13-0381	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	5,715.56	190.59
			<i>For Gate With Single Barb Wire Arm, Add</i>	565.74	
			<i>For Gate With Double Barb Wire Arm, Add</i>	822.90	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-964.33	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,468.69	
			<i>For Powder Coated Gate And Post, Add</i>	1,337.21	
			<i>For 1" Mesh Fabric, Add</i>	2,237.25	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,440.07	
			<i>For 1-3/4" Mesh Fabric, Add</i>	894.90	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-447.45	
32 31	13 13-0382	EA	26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	6,238.66	222.51
			<i>For Gate With Single Barb Wire Arm, Add</i>	612.74	
			<i>For Gate With Double Barb Wire Arm, Add</i>	891.26	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,044.44	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,673.78	
			<i>For Powder Coated Gate And Post, Add</i>	1,448.30	
			<i>For 1" Mesh Fabric, Add</i>	2,423.11	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,559.70	
			<i>For 1-3/4" Mesh Fabric, Add</i>	969.24	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-484.62	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0383 EA 28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	6,798.87	266.82
For Gate With Single Barb Wire Arm, Add	659.74	
For Gate With Double Barb Wire Arm, Add	959.62	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,124.56	
For Aluminized Steel Gate And Post, Add	2,878.86	
For Powder Coated Gate And Post, Add	1,559.38	
For 1" Mesh Fabric, Add	2,608.97	
For 1-1/4" Mesh Fabric, Add	1,679.34	
For 1-3/4" Mesh Fabric, Add	1,043.59	
For 2-1/8" Mesh Fabric, Deduct	-521.79	
32 31 13 13-0384 EA 30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	7,432.66	333.81
For Gate With Single Barb Wire Arm, Add	707.33	
For Gate With Double Barb Wire Arm, Add	1,028.84	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,205.67	
For Aluminized Steel Gate And Post, Add	3,086.51	
For Powder Coated Gate And Post, Add	1,671.86	
For 1" Mesh Fabric, Add	2,797.15	
For 1-1/4" Mesh Fabric, Add	1,800.46	
For 1-3/4" Mesh Fabric, Add	1,118.86	
For 2-1/8" Mesh Fabric, Deduct	-559.43	
<b>32 31 13 13-0385 12' Fence Height (32 31 13 13-0264)</b>		
32 31 13 13-0386 EA 3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	863.20	38.40
For Gate With Single Barb Wire Arm, Add	82.26	
For Gate With Double Barb Wire Arm, Add	119.65	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-140.22	
For Aluminized Steel Gate And Post, Add	358.96	
For Powder Coated Gate And Post, Add	194.44	
For 1" Mesh Fabric, Add	325.31	
For 1-1/4" Mesh Fabric, Add	209.39	
For 1-3/4" Mesh Fabric, Add	130.12	
For 2-1/8" Mesh Fabric, Deduct	-65.06	
32 31 13 13-0387 EA 4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	1,112.46	38.40
For Gate With Single Barb Wire Arm, Add	109.68	
For Gate With Double Barb Wire Arm, Add	159.53	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-186.95	
For Aluminized Steel Gate And Post, Add	478.60	
For Powder Coated Gate And Post, Add	259.24	
For 1" Mesh Fabric, Add	433.73	
For 1-1/4" Mesh Fabric, Add	279.19	
For 1-3/4" Mesh Fabric, Add	173.49	
For 2-1/8" Mesh Fabric, Deduct	-86.75	
32 31 13 13-0388 EA 5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	1,292.34	39.80
For Gate With Single Barb Wire Arm, Add	129.00	
For Gate With Double Barb Wire Arm, Add	187.64	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-219.89	
For Aluminized Steel Gate And Post, Add	562.91	
For Powder Coated Gate And Post, Add	304.91	
For 1" Mesh Fabric, Add	510.14	
For 1-1/4" Mesh Fabric, Add	328.36	
For 1-3/4" Mesh Fabric, Add	204.06	
For 2-1/8" Mesh Fabric, Deduct	-102.03	
32 31 13 13-0389 EA 6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	1,496.93	49.43
For Gate With Single Barb Wire Arm, Add	148.32	
For Gate With Double Barb Wire Arm, Add	215.74	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-252.82	
For Aluminized Steel Gate And Post, Add	647.21	
For Powder Coated Gate And Post, Add	350.57	
For 1" Mesh Fabric, Add	586.53	
For 1-1/4" Mesh Fabric, Add	377.54	
For 1-3/4" Mesh Fabric, Add	234.61	
For 2-1/8" Mesh Fabric, Deduct	-117.31	
32 31 13 13-0390 EA 7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	654.49	59.15
For Gate With Single Barb Wire Arm, Add	52.46	
For Gate With Double Barb Wire Arm, Add	76.31	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-89.43	
For Aluminized Steel Gate And Post, Add	228.93	
For Powder Coated Gate And Post, Add	124.00	
For 1" Mesh Fabric, Add	207.47	
For 1-1/4" Mesh Fabric, Add	133.54	
For 1-3/4" Mesh Fabric, Add	82.99	
For 2-1/8" Mesh Fabric, Deduct	-41.49	
32 31 13 13-0391 EA 8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	737.50	68.50
For Gate With Single Barb Wire Arm, Add	58.51	
For Gate With Double Barb Wire Arm, Add	85.11	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-99.73	
For Aluminized Steel Gate And Post, Add	255.32	
For Powder Coated Gate And Post, Add	138.30	
For 1" Mesh Fabric, Add	231.38	
For 1-1/4" Mesh Fabric, Add	148.93	
For 1-3/4" Mesh Fabric, Add	92.55	
For 2-1/8" Mesh Fabric, Deduct	-46.28	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0392	EA	9'	Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	821.42	78.12
			<i>For Gate With Single Barb Wire Arm, Add</i>	64.56	
			<i>For Gate With Double Barb Wire Arm, Add</i>	93.90	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-110.04	
			<i>For Aluminized Steel Gate And Post, Add</i>	281.70	
			<i>For Powder Coated Gate And Post, Add</i>	152.59	
			<i>For 1" Mesh Fabric, Add</i>	255.29	
			<i>For 1-1/4" Mesh Fabric, Add</i>	164.32	
			<i>For 1-3/4" Mesh Fabric, Add</i>	102.12	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-51.06	
32 31 13 13-0393	EA	10'	Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	905.35	87.75
			<i>For Gate With Single Barb Wire Arm, Add</i>	70.60	
			<i>For Gate With Double Barb Wire Arm, Add</i>	102.69	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-120.34	
			<i>For Aluminized Steel Gate And Post, Add</i>	308.08	
			<i>For Powder Coated Gate And Post, Add</i>	166.88	
			<i>For 1" Mesh Fabric, Add</i>	279.20	
			<i>For 1-1/4" Mesh Fabric, Add</i>	179.71	
			<i>For 1-3/4" Mesh Fabric, Add</i>	111.68	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-55.84	
32 31 13 13-0394	EA	10'	Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	1,212.48	106.01
			<i>For Gate With Single Barb Wire Arm, Add</i>	98.37	
			<i>For Gate With Double Barb Wire Arm, Add</i>	143.08	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-167.67	
			<i>For Aluminized Steel Gate And Post, Add</i>	429.24	
			<i>For Powder Coated Gate And Post, Add</i>	232.50	
			<i>For 1" Mesh Fabric, Add</i>	388.99	
			<i>For 1-1/4" Mesh Fabric, Add</i>	250.39	
			<i>For 1-3/4" Mesh Fabric, Add</i>	155.60	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-77.80	
32 31 13 13-0395	EA	12'	Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	1,325.35	114.13
			<i>For Gate With Single Barb Wire Arm, Add</i>	108.11	
			<i>For Gate With Double Barb Wire Arm, Add</i>	157.25	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-184.28	
			<i>For Aluminized Steel Gate And Post, Add</i>	471.76	
			<i>For Powder Coated Gate And Post, Add</i>	255.54	
			<i>For 1" Mesh Fabric, Add</i>	427.53	
			<i>For 1-1/4" Mesh Fabric, Add</i>	275.19	
			<i>For 1-3/4" Mesh Fabric, Add</i>	171.01	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-85.51	
32 31 13 13-0396	EA	14'	Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	1,497.85	123.60
			<i>For Gate With Single Barb Wire Arm, Add</i>	123.92	
			<i>For Gate With Double Barb Wire Arm, Add</i>	180.25	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-211.23	
			<i>For Aluminized Steel Gate And Post, Add</i>	540.76	
			<i>For Powder Coated Gate And Post, Add</i>	292.91	
			<i>For 1" Mesh Fabric, Add</i>	490.06	
			<i>For 1-1/4" Mesh Fabric, Add</i>	315.44	
			<i>For 1-3/4" Mesh Fabric, Add</i>	196.02	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-98.01	
32 31 13 13-0397	EA	16'	Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	1,691.97	134.76
			<i>For Gate With Single Barb Wire Arm, Add</i>	141.57	
			<i>For Gate With Double Barb Wire Arm, Add</i>	205.93	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-241.32	
			<i>For Aluminized Steel Gate And Post, Add</i>	617.78	
			<i>For Powder Coated Gate And Post, Add</i>	334.63	
			<i>For 1" Mesh Fabric, Add</i>	559.86	
			<i>For 1-1/4" Mesh Fabric, Add</i>	360.37	
			<i>For 1-3/4" Mesh Fabric, Add</i>	223.94	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-111.97	
32 31 13 13-0398	EA	18'	Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	5,070.37	148.41
			<i>For Gate With Single Barb Wire Arm, Add</i>	508.76	
			<i>For Gate With Double Barb Wire Arm, Add</i>	740.01	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-867.20	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,220.03	
			<i>For Powder Coated Gate And Post, Add</i>	1,202.52	
			<i>For 1" Mesh Fabric, Add</i>	2,011.90	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,295.02	
			<i>For 1-3/4" Mesh Fabric, Add</i>	804.76	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-402.38	
32 31 13 13-0399	EA	20'	Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	5,637.73	164.77
			<i>For Gate With Single Barb Wire Arm, Add</i>	565.74	
			<i>For Gate With Double Barb Wire Arm, Add</i>	822.90	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-964.33	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,468.69	
			<i>For Powder Coated Gate And Post, Add</i>	1,337.21	
			<i>For 1" Mesh Fabric, Add</i>	2,237.25	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,440.07	
			<i>For 1-3/4" Mesh Fabric, Add</i>	894.90	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-447.45	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0400 EA 22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	6,212.73	185.40
For Gate With Single Barb Wire Arm, Add	622.14	
For Gate With Double Barb Wire Arm, Add	904.93	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,060.47	
For Aluminized Steel Gate And Post, Add	2,714.79	
For Powder Coated Gate And Post, Add	1,470.51	
For 1" Mesh Fabric, Add	2,460.28	
For 1-1/4" Mesh Fabric, Add	1,583.63	
For 1-3/4" Mesh Fabric, Add	984.11	
For 2-1/8" Mesh Fabric, Deduct	-492.06	
32 31 13 13-0401 EA 24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	6,809.93	211.79
For Gate With Single Barb Wire Arm, Add	679.13	
For Gate With Double Barb Wire Arm, Add	987.82	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,157.60	
For Aluminized Steel Gate And Post, Add	2,963.46	
For Powder Coated Gate And Post, Add	1,605.21	
For 1" Mesh Fabric, Add	2,685.63	
For 1-1/4" Mesh Fabric, Add	1,728.68	
For 1-3/4" Mesh Fabric, Add	1,074.25	
For 2-1/8" Mesh Fabric, Deduct	-537.13	
32 31 13 13-0402 EA 26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	7,423.79	247.32
For Gate With Single Barb Wire Arm, Add	734.94	
For Gate With Double Barb Wire Arm, Add	1,069.00	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,252.73	
For Aluminized Steel Gate And Post, Add	3,207.00	
For Powder Coated Gate And Post, Add	1,737.12	
For 1" Mesh Fabric, Add	2,906.34	
For 1-1/4" Mesh Fabric, Add	1,870.75	
For 1-3/4" Mesh Fabric, Add	1,162.54	
For 2-1/8" Mesh Fabric, Deduct	-581.27	
32 31 13 13-0403 EA 28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	8,084.21	296.48
For Gate With Single Barb Wire Arm, Add	791.33	
For Gate With Double Barb Wire Arm, Add	1,151.03	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,348.87	
For Aluminized Steel Gate And Post, Add	3,453.10	
For Powder Coated Gate And Post, Add	1,870.43	
For 1" Mesh Fabric, Add	3,129.37	
For 1-1/4" Mesh Fabric, Add	2,014.31	
For 1-3/4" Mesh Fabric, Add	1,251.75	
For 2-1/8" Mesh Fabric, Deduct	-625.87	
32 31 13 13-0404 EA 30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	8,825.82	370.92
For Gate With Single Barb Wire Arm, Add	848.32	
For Gate With Double Barb Wire Arm, Add	1,233.92	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,446.00	
For Aluminized Steel Gate And Post, Add	3,701.76	
For Powder Coated Gate And Post, Add	2,005.12	
For 1" Mesh Fabric, Add	3,354.72	
For 1-1/4" Mesh Fabric, Add	2,159.36	
For 1-3/4" Mesh Fabric, Add	1,341.89	
For 2-1/8" Mesh Fabric, Deduct	-670.94	
<b>32 31 13 13-0405 Vinyl Coated Without Barb Wire Arm</b> <small>(32 31 13 13-0263)</small>		
Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
<b>32 31 13 13-0406 4' Fence Height</b> <small>(32 31 13 13-0405)</small>		
32 31 13 13-0407 EA 3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	181.62	23.36
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-20.91	
For 1" Mesh Fabric, Add	48.52	
For 1-1/4" Mesh Fabric, Add	31.23	
For 1-3/4" Mesh Fabric, Add	19.41	
For 2-1/8" Mesh Fabric, Deduct	-9.70	
For Gate With Single Barb Wire Arm, Add	12.27	
For Gate With Double Barb Wire Arm, Add	17.85	
32 31 13 13-0408 EA 4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	218.79	23.36
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-27.88	
For 1" Mesh Fabric, Add	64.69	
For 1-1/4" Mesh Fabric, Add	41.64	
For 1-3/4" Mesh Fabric, Add	25.88	
For 2-1/8" Mesh Fabric, Deduct	-12.94	
For Gate With Single Barb Wire Arm, Add	16.36	
For Gate With Double Barb Wire Arm, Add	23.79	
32 31 13 13-0409 EA 5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	254.46	24.86
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-33.69	
For 1" Mesh Fabric, Add	78.17	
For 1-1/4" Mesh Fabric, Add	50.32	
For 1-3/4" Mesh Fabric, Add	31.27	
For 2-1/8" Mesh Fabric, Deduct	-15.63	
For Gate With Single Barb Wire Arm, Add	19.77	
For Gate With Double Barb Wire Arm, Add	28.75	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0410 EA 6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	300.38	29.90
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-39.50	
For 1" Mesh Fabric, Add	91.65	
For 1-1/4" Mesh Fabric, Add	58.99	
For 1-3/4" Mesh Fabric, Add	36.66	
For 2-1/8" Mesh Fabric, Deduct	-18.33	
For Gate With Single Barb Wire Arm, Add	23.17	
For Gate With Double Barb Wire Arm, Add	33.71	
32 31 13 13-0411 EA 7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	346.31	34.85
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-45.31	
For 1" Mesh Fabric, Add	105.12	
For 1-1/4" Mesh Fabric, Add	67.66	
For 1-3/4" Mesh Fabric, Add	42.05	
For 2-1/8" Mesh Fabric, Deduct	-21.02	
For Gate With Single Barb Wire Arm, Add	26.58	
For Gate With Double Barb Wire Arm, Add	38.66	
32 31 13 13-0412 EA 8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	392.26	39.80
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-51.12	
For 1" Mesh Fabric, Add	118.60	
For 1-1/4" Mesh Fabric, Add	76.34	
For 1-3/4" Mesh Fabric, Add	47.44	
For 2-1/8" Mesh Fabric, Deduct	-23.72	
For Gate With Single Barb Wire Arm, Add	29.99	
For Gate With Double Barb Wire Arm, Add	43.62	
32 31 13 13-0413 EA 9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	438.19	44.85
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-56.93	
For 1" Mesh Fabric, Add	132.07	
For 1-1/4" Mesh Fabric, Add	85.01	
For 1-3/4" Mesh Fabric, Add	52.83	
For 2-1/8" Mesh Fabric, Deduct	-26.41	
For Gate With Single Barb Wire Arm, Add	33.40	
For Gate With Double Barb Wire Arm, Add	48.58	
32 31 13 13-0414 EA 10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	484.11	49.81
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-62.74	
For 1" Mesh Fabric, Add	145.55	
For 1-1/4" Mesh Fabric, Add	93.69	
For 1-3/4" Mesh Fabric, Add	58.22	
For 2-1/8" Mesh Fabric, Deduct	-29.11	
For Gate With Single Barb Wire Arm, Add	36.81	
For Gate With Double Barb Wire Arm, Add	53.54	
32 31 13 13-0415 EA 10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	595.65	49.81
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-83.65	
For 1" Mesh Fabric, Add	194.07	
For 1-1/4" Mesh Fabric, Add	124.92	
For 1-3/4" Mesh Fabric, Add	77.63	
For 2-1/8" Mesh Fabric, Deduct	-38.81	
For Gate With Single Barb Wire Arm, Add	49.08	
For Gate With Double Barb Wire Arm, Add	71.38	
32 31 13 13-0416 EA 12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	695.56	53.36
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-100.38	
For 1" Mesh Fabric, Add	232.89	
For 1-1/4" Mesh Fabric, Add	149.90	
For 1-3/4" Mesh Fabric, Add	93.15	
For 2-1/8" Mesh Fabric, Deduct	-46.58	
For Gate With Single Barb Wire Arm, Add	58.89	
For Gate With Double Barb Wire Arm, Add	85.66	
32 31 13 13-0417 EA 14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	797.12	57.47
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-117.11	
For 1" Mesh Fabric, Add	271.70	
For 1-1/4" Mesh Fabric, Add	174.89	
For 1-3/4" Mesh Fabric, Add	108.68	
For 2-1/8" Mesh Fabric, Deduct	-54.34	
For Gate With Single Barb Wire Arm, Add	68.71	
For Gate With Double Barb Wire Arm, Add	99.94	
32 31 13 13-0418 EA 16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	900.71	62.24
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-133.84	
For 1" Mesh Fabric, Add	310.51	
For 1-1/4" Mesh Fabric, Add	199.87	
For 1-3/4" Mesh Fabric, Add	124.20	
For 2-1/8" Mesh Fabric, Deduct	-62.10	
For Gate With Single Barb Wire Arm, Add	78.52	
For Gate With Double Barb Wire Arm, Add	114.21	
32 31 13 13-0419 EA 18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,043.64	80.07
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-150.57	
For 1" Mesh Fabric, Add	349.33	
For 1-1/4" Mesh Fabric, Add	224.85	
For 1-3/4" Mesh Fabric, Add	139.73	
For 2-1/8" Mesh Fabric, Deduct	-69.87	
For Gate With Single Barb Wire Arm, Add	88.34	
For Gate With Double Barb Wire Arm, Add	128.49	





<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0420	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,150.05 -167.30 388.14 249.84 155.26 -77.63 98.15 142.76	85.83
32 31 13	13-0421	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,259.11 -184.03 426.96 274.82 170.78 -85.39 107.97 157.04	92.48
32 31 13	13-0422	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,371.46 -200.76 465.77 299.80 186.31 -93.15 117.78 171.32	100.15
32 31 13	13-0423	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,488.03 -217.49 504.58 324.79 201.83 -100.92 127.60 185.59	109.28
32 31 13	13-0424	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,610.07 -234.22 543.40 349.77 217.36 -108.68 137.41 199.87	120.22
32 31 13	13-0425	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,739.39 -250.95 582.21 374.76 232.89 -116.44 147.23 214.15	133.52
<b>32 31 13</b>	<b>13-0426</b>		<b>5' Fence Height <small>(32 31 13 13-0405)</small></b>		
32 31 13	13-0427	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	212.97 -25.91 60.12 38.70 24.05 -12.02 15.20 22.11	24.86
32 31 13	13-0428	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	259.04 -34.55 80.16 51.60 32.06 -16.03 20.27 29.48	24.86
32 31 13	13-0429	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	298.27 -41.03 95.20 61.28 38.08 -19.04 24.07 35.01	26.44
32 31 13	13-0430	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	348.69 -47.51 110.22 70.95 44.09 -22.04 27.87 40.54	31.77

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0431	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	399.14	37.01
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-53.99	
			<i>For 1" Mesh Fabric, Add</i>	125.25	
			<i>For 1-1/4" Mesh Fabric, Add</i>	80.62	
			<i>For 1-3/4" Mesh Fabric, Add</i>	50.10	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-25.05	
			<i>For Gate With Single Barb Wire Arm, Add</i>	31.67	
			<i>For Gate With Double Barb Wire Arm, Add</i>	46.07	
32 31	13 13-0432	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	450.50	42.61
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-60.47	
			<i>For 1" Mesh Fabric, Add</i>	140.28	
			<i>For 1-1/4" Mesh Fabric, Add</i>	90.29	
			<i>For 1-3/4" Mesh Fabric, Add</i>	56.11	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-28.06	
			<i>For Gate With Single Barb Wire Arm, Add</i>	35.47	
			<i>For Gate With Double Barb Wire Arm, Add</i>	51.60	
32 31	13 13-0433	EA	9' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	500.95	47.94
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-66.95	
			<i>For 1" Mesh Fabric, Add</i>	155.31	
			<i>For 1-1/4" Mesh Fabric, Add</i>	99.97	
			<i>For 1-3/4" Mesh Fabric, Add</i>	62.12	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-31.06	
			<i>For Gate With Single Barb Wire Arm, Add</i>	39.27	
			<i>For Gate With Double Barb Wire Arm, Add</i>	57.13	
32 31	13 13-0434	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	551.38	53.17
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-73.42	
			<i>For 1" Mesh Fabric, Add</i>	170.34	
			<i>For 1-1/4" Mesh Fabric, Add</i>	109.65	
			<i>For 1-3/4" Mesh Fabric, Add</i>	68.14	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-34.07	
			<i>For Gate With Single Barb Wire Arm, Add</i>	43.07	
			<i>For Gate With Double Barb Wire Arm, Add</i>	62.65	
32 31	13 13-0435	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	713.02	53.36
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-103.66	
			<i>For 1" Mesh Fabric, Add</i>	240.48	
			<i>For 1-1/4" Mesh Fabric, Add</i>	154.79	
			<i>For 1-3/4" Mesh Fabric, Add</i>	96.19	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-48.10	
			<i>For Gate With Single Barb Wire Arm, Add</i>	60.81	
			<i>For Gate With Double Barb Wire Arm, Add</i>	88.45	
32 31	13 13-0436	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	835.91	57.47
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-124.39	
			<i>For 1" Mesh Fabric, Add</i>	288.57	
			<i>For 1-1/4" Mesh Fabric, Add</i>	185.75	
			<i>For 1-3/4" Mesh Fabric, Add</i>	115.43	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-57.71	
			<i>For Gate With Single Barb Wire Arm, Add</i>	72.97	
			<i>For Gate With Double Barb Wire Arm, Add</i>	106.14	
32 31	13 13-0437	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	960.85	62.24
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-145.12	
			<i>For 1" Mesh Fabric, Add</i>	336.67	
			<i>For 1-1/4" Mesh Fabric, Add</i>	216.71	
			<i>For 1-3/4" Mesh Fabric, Add</i>	134.67	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-67.33	
			<i>For Gate With Single Barb Wire Arm, Add</i>	85.14	
			<i>For Gate With Double Barb Wire Arm, Add</i>	123.83	
32 31	13 13-0438	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,125.11	80.07
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-165.85	
			<i>For 1" Mesh Fabric, Add</i>	384.77	
			<i>For 1-1/4" Mesh Fabric, Add</i>	247.67	
			<i>For 1-3/4" Mesh Fabric, Add</i>	153.91	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-76.95	
			<i>For Gate With Single Barb Wire Arm, Add</i>	97.30	
			<i>For Gate With Double Barb Wire Arm, Add</i>	141.52	
32 31	13 13-0439	EA	18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,252.86	85.83
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-186.58	
			<i>For 1" Mesh Fabric, Add</i>	432.86	
			<i>For 1-1/4" Mesh Fabric, Add</i>	278.63	
			<i>For 1-3/4" Mesh Fabric, Add</i>	173.15	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-86.57	
			<i>For Gate With Single Barb Wire Arm, Add</i>	109.46	
			<i>For Gate With Double Barb Wire Arm, Add</i>	159.21	
32 31	13 13-0440	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,383.25	92.48
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-207.31	
			<i>For 1" Mesh Fabric, Add</i>	480.96	
			<i>For 1-1/4" Mesh Fabric, Add</i>	309.58	
			<i>For 1-3/4" Mesh Fabric, Add</i>	192.38	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-96.19	
			<i>For Gate With Single Barb Wire Arm, Add</i>	121.62	
			<i>For Gate With Double Barb Wire Arm, Add</i>	176.90	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0441 EA 22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,516.95	100.15
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-228.04	
For 1" Mesh Fabric, Add	529.06	
For 1-1/4" Mesh Fabric, Add	340.54	
For 1-3/4" Mesh Fabric, Add	211.62	
For 2-1/8" Mesh Fabric, Deduct	-105.81	
For Gate With Single Barb Wire Arm, Add	133.78	
For Gate With Double Barb Wire Arm, Add	194.60	
32 31 13 13-0442 EA 24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,654.85	109.28
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-248.77	
For 1" Mesh Fabric, Add	577.15	
For 1-1/4" Mesh Fabric, Add	371.50	
For 1-3/4" Mesh Fabric, Add	230.86	
For 2-1/8" Mesh Fabric, Deduct	-115.43	
For Gate With Single Barb Wire Arm, Add	145.95	
For Gate With Double Barb Wire Arm, Add	212.28	
32 31 13 13-0443 EA 26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,798.23	120.22
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-269.50	
For 1" Mesh Fabric, Add	625.25	
For 1-1/4" Mesh Fabric, Add	402.46	
For 1-3/4" Mesh Fabric, Add	250.10	
For 2-1/8" Mesh Fabric, Deduct	-125.05	
For Gate With Single Barb Wire Arm, Add	158.11	
For Gate With Double Barb Wire Arm, Add	229.98	
32 31 13 13-0444 EA 28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,948.88	133.52
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-290.23	
For 1" Mesh Fabric, Add	673.34	
For 1-1/4" Mesh Fabric, Add	433.41	
For 1-3/4" Mesh Fabric, Add	269.34	
For 2-1/8" Mesh Fabric, Deduct	-134.67	
For Gate With Single Barb Wire Arm, Add	170.27	
For Gate With Double Barb Wire Arm, Add	247.67	
32 31 13 13-0445 EA 30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,109.57	150.22
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-310.97	
For 1" Mesh Fabric, Add	721.44	
For 1-1/4" Mesh Fabric, Add	464.37	
For 1-3/4" Mesh Fabric, Add	288.58	
For 2-1/8" Mesh Fabric, Deduct	-144.29	
For Gate With Single Barb Wire Arm, Add	182.43	
For Gate With Double Barb Wire Arm, Add	265.36	
<b>32 31 13 13-0446 6' Fence Height<sup>(32 31 13 13-0405)</sup></b>		
32 31 13 13-0447 EA 3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	227.79	26.63
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-27.69	
For 1" Mesh Fabric, Add	64.25	
For 1-1/4" Mesh Fabric, Add	41.36	
For 1-3/4" Mesh Fabric, Add	25.70	
For 2-1/8" Mesh Fabric, Deduct	-12.85	
For Gate With Single Barb Wire Arm, Add	16.25	
For Gate With Double Barb Wire Arm, Add	23.63	
32 31 13 13-0448 EA 4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	277.03	26.63
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-36.93	
For 1" Mesh Fabric, Add	85.67	
For 1-1/4" Mesh Fabric, Add	55.14	
For 1-3/4" Mesh Fabric, Add	34.27	
For 2-1/8" Mesh Fabric, Deduct	-17.13	
For Gate With Single Barb Wire Arm, Add	21.66	
For Gate With Double Barb Wire Arm, Add	31.51	
32 31 13 13-0449 EA 5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	318.90	28.32
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-43.85	
For 1" Mesh Fabric, Add	101.73	
For 1-1/4" Mesh Fabric, Add	65.48	
For 1-3/4" Mesh Fabric, Add	40.69	
For 2-1/8" Mesh Fabric, Deduct	-20.35	
For Gate With Single Barb Wire Arm, Add	25.73	
For Gate With Double Barb Wire Arm, Add	37.42	
32 31 13 13-0450 EA 6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	373.58	34.20
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-50.77	
For 1" Mesh Fabric, Add	117.79	
For 1-1/4" Mesh Fabric, Add	75.82	
For 1-3/4" Mesh Fabric, Add	47.12	
For 2-1/8" Mesh Fabric, Deduct	-23.56	
For Gate With Single Barb Wire Arm, Add	29.79	
For Gate With Double Barb Wire Arm, Add	43.33	
32 31 13 13-0451 EA 7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	428.26	40.18
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-57.70	
For 1" Mesh Fabric, Add	133.86	
For 1-1/4" Mesh Fabric, Add	86.16	
For 1-3/4" Mesh Fabric, Add	53.54	
For 2-1/8" Mesh Fabric, Deduct	-26.77	
For Gate With Single Barb Wire Arm, Add	33.85	
For Gate With Double Barb Wire Arm, Add	49.24	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0452 EA 8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	482.01	45.78
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-64.62	
For 1" Mesh Fabric, Add	149.92	
For 1-1/4" Mesh Fabric, Add	96.50	
For 1-3/4" Mesh Fabric, Add	59.97	
For 2-1/8" Mesh Fabric, Deduct	-29.98	
For Gate With Single Barb Wire Arm, Add	37.91	
For Gate With Double Barb Wire Arm, Add	55.14	
32 31 13 13-0453 EA 9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	536.69	51.68
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.54	
For 1" Mesh Fabric, Add	165.98	
For 1-1/4" Mesh Fabric, Add	106.84	
For 1-3/4" Mesh Fabric, Add	66.39	
For 2-1/8" Mesh Fabric, Deduct	-33.20	
For Gate With Single Barb Wire Arm, Add	41.97	
For Gate With Double Barb Wire Arm, Add	61.05	
32 31 13 13-0454 EA 10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	591.37	57.56
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-78.47	
For 1" Mesh Fabric, Add	182.05	
For 1-1/4" Mesh Fabric, Add	117.18	
For 1-3/4" Mesh Fabric, Add	72.82	
For 2-1/8" Mesh Fabric, Deduct	-36.41	
For Gate With Single Barb Wire Arm, Add	46.04	
For Gate With Double Barb Wire Arm, Add	66.96	
32 31 13 13-0455 EA 10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	763.33	57.47
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-110.78	
For 1" Mesh Fabric, Add	257.00	
For 1-1/4" Mesh Fabric, Add	165.43	
For 1-3/4" Mesh Fabric, Add	102.80	
For 2-1/8" Mesh Fabric, Deduct	-51.40	
For Gate With Single Barb Wire Arm, Add	64.99	
For Gate With Double Barb Wire Arm, Add	94.53	
32 31 13 13-0456 EA 12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	895.87	62.24
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-132.93	
For 1" Mesh Fabric, Add	308.41	
For 1-1/4" Mesh Fabric, Add	198.51	
For 1-3/4" Mesh Fabric, Add	123.36	
For 2-1/8" Mesh Fabric, Deduct	-61.68	
For Gate With Single Barb Wire Arm, Add	77.99	
For Gate With Double Barb Wire Arm, Add	113.44	
32 31 13 13-0457 EA 14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,084.91	85.83
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-155.09	
For 1" Mesh Fabric, Add	359.81	
For 1-1/4" Mesh Fabric, Add	231.60	
For 1-3/4" Mesh Fabric, Add	143.92	
For 2-1/8" Mesh Fabric, Deduct	-71.96	
For Gate With Single Barb Wire Arm, Add	90.99	
For Gate With Double Barb Wire Arm, Add	132.34	
32 31 13 13-0458 EA 16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,222.90	92.48
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-177.24	
For 1" Mesh Fabric, Add	411.21	
For 1-1/4" Mesh Fabric, Add	264.68	
For 1-3/4" Mesh Fabric, Add	164.48	
For 2-1/8" Mesh Fabric, Deduct	-82.24	
For Gate With Single Barb Wire Arm, Add	103.98	
For Gate With Double Barb Wire Arm, Add	151.25	
32 31 13 13-0459 EA 18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,364.20	100.15
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-199.40	
For 1" Mesh Fabric, Add	462.61	
For 1-1/4" Mesh Fabric, Add	297.77	
For 1-3/4" Mesh Fabric, Add	185.04	
For 2-1/8" Mesh Fabric, Deduct	-92.52	
For Gate With Single Barb Wire Arm, Add	116.98	
For Gate With Double Barb Wire Arm, Add	170.16	
32 31 13 13-0460 EA 20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,531.54	109.28
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-225.65	
For 1" Mesh Fabric, Add	523.51	
For 1-1/4" Mesh Fabric, Add	336.97	
For 1-3/4" Mesh Fabric, Add	209.40	
For 2-1/8" Mesh Fabric, Deduct	-104.70	
For Gate With Single Barb Wire Arm, Add	132.38	
For Gate With Double Barb Wire Arm, Add	192.56	
32 31 13 13-0461 EA 22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,664.63	120.22
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-244.45	
For 1" Mesh Fabric, Add	567.13	
For 1-1/4" Mesh Fabric, Add	365.05	
For 1-3/4" Mesh Fabric, Add	226.85	
For 2-1/8" Mesh Fabric, Deduct	-113.43	
For Gate With Single Barb Wire Arm, Add	143.41	
For Gate With Double Barb Wire Arm, Add	208.60	



		<b>Exterior Improvements</b>	<b>32</b>
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0462 EA 24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,818.92	133.52
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-265.87	
For 1" Mesh Fabric, Add	616.81	
For 1-1/4" Mesh Fabric, Add	397.03	
For 1-3/4" Mesh Fabric, Add	246.72	
For 2-1/8" Mesh Fabric, Deduct	-123.36	
For Gate With Single Barb Wire Arm, Add	155.97	
For Gate With Double Barb Wire Arm, Add	226.87	
32 31 13 13-0463 EA 26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,987.21	150.22
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-288.02	
For 1" Mesh Fabric, Add	668.21	
For 1-1/4" Mesh Fabric, Add	430.11	
For 1-3/4" Mesh Fabric, Add	267.28	
For 2-1/8" Mesh Fabric, Deduct	-133.64	
For Gate With Single Barb Wire Arm, Add	168.97	
For Gate With Double Barb Wire Arm, Add	245.78	
32 31 13 13-0464 EA 28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,169.82	171.64
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-310.18	
For 1" Mesh Fabric, Add	719.61	
For 1-1/4" Mesh Fabric, Add	463.20	
For 1-3/4" Mesh Fabric, Add	287.84	
For 2-1/8" Mesh Fabric, Deduct	-143.92	
For Gate With Single Barb Wire Arm, Add	181.97	
For Gate With Double Barb Wire Arm, Add	264.68	
32 31 13 13-0465 EA 30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,373.90	200.29
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-332.33	
For 1" Mesh Fabric, Add	771.01	
For 1-1/4" Mesh Fabric, Add	496.28	
For 1-3/4" Mesh Fabric, Add	308.40	
For 2-1/8" Mesh Fabric, Deduct	-154.20	
For Gate With Single Barb Wire Arm, Add	194.97	
For Gate With Double Barb Wire Arm, Add	283.59	
<b>32 31 13 13-0466 7' Fence Height (32 31 13 13-0405)</b>		
32 31 13 13-0467 EA 3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	241.39	28.68
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-29.09	
For 1" Mesh Fabric, Add	67.48	
For 1-1/4" Mesh Fabric, Add	43.44	
For 1-3/4" Mesh Fabric, Add	26.99	
For 2-1/8" Mesh Fabric, Deduct	-13.50	
For Gate With Single Barb Wire Arm, Add	17.06	
For Gate With Double Barb Wire Arm, Add	24.82	
32 31 13 13-0468 EA 4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	293.12	28.68
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-38.79	
For 1" Mesh Fabric, Add	89.98	
For 1-1/4" Mesh Fabric, Add	57.92	
For 1-3/4" Mesh Fabric, Add	35.99	
For 2-1/8" Mesh Fabric, Deduct	-18.00	
For Gate With Single Barb Wire Arm, Add	22.75	
For Gate With Double Barb Wire Arm, Add	33.10	
32 31 13 13-0469 EA 5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	336.30	30.18
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.06	
For 1" Mesh Fabric, Add	106.86	
For 1-1/4" Mesh Fabric, Add	68.78	
For 1-3/4" Mesh Fabric, Add	42.74	
For 2-1/8" Mesh Fabric, Deduct	-21.37	
For Gate With Single Barb Wire Arm, Add	27.02	
For Gate With Double Barb Wire Arm, Add	39.30	
32 31 13 13-0470 EA 6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	394.69	36.73
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-53.33	
For 1" Mesh Fabric, Add	123.73	
For 1-1/4" Mesh Fabric, Add	79.64	
For 1-3/4" Mesh Fabric, Add	49.49	
For 2-1/8" Mesh Fabric, Deduct	-24.75	
For Gate With Single Barb Wire Arm, Add	31.29	
For Gate With Double Barb Wire Arm, Add	45.51	
32 31 13 13-0471 EA 7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	452.17	42.99
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-60.60	
For 1" Mesh Fabric, Add	140.60	
For 1-1/4" Mesh Fabric, Add	90.50	
For 1-3/4" Mesh Fabric, Add	56.24	
For 2-1/8" Mesh Fabric, Deduct	-28.12	
For Gate With Single Barb Wire Arm, Add	35.55	
For Gate With Double Barb Wire Arm, Add	51.72	
32 31 13 13-0472 EA 8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	510.59	49.43
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-67.88	
For 1" Mesh Fabric, Add	157.47	
For 1-1/4" Mesh Fabric, Add	101.36	
For 1-3/4" Mesh Fabric, Add	62.99	
For 2-1/8" Mesh Fabric, Deduct	-31.49	
For Gate With Single Barb Wire Arm, Add	39.82	
For Gate With Double Barb Wire Arm, Add	57.92	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0473	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	568.06	55.69
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-75.15	
			For 1" Mesh Fabric, Add	174.34	
			For 1-1/4" Mesh Fabric, Add	112.22	
			For 1-3/4" Mesh Fabric, Add	69.74	
			For 2-1/8" Mesh Fabric, Deduct	-34.87	
			For Gate With Single Barb Wire Arm, Add	44.09	
			For Gate With Double Barb Wire Arm, Add	64.13	
32 31	13 13-0474	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	626.48	62.24
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-82.42	
			For 1" Mesh Fabric, Add	191.22	
			For 1-1/4" Mesh Fabric, Add	123.09	
			For 1-3/4" Mesh Fabric, Add	76.49	
			For 2-1/8" Mesh Fabric, Deduct	-38.24	
			For Gate With Single Barb Wire Arm, Add	48.35	
			For Gate With Double Barb Wire Arm, Add	70.33	
32 31	13 13-0475	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	807.47	62.24
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-116.36	
			For 1" Mesh Fabric, Add	269.95	
			For 1-1/4" Mesh Fabric, Add	173.76	
			For 1-3/4" Mesh Fabric, Add	107.98	
			For 2-1/8" Mesh Fabric, Deduct	-53.99	
			For Gate With Single Barb Wire Arm, Add	68.26	
			For Gate With Double Barb Wire Arm, Add	99.29	
32 31	13 13-0476	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,002.45	85.83
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.63	
			For 1" Mesh Fabric, Add	323.94	
			For 1-1/4" Mesh Fabric, Add	208.51	
			For 1-3/4" Mesh Fabric, Add	129.57	
			For 2-1/8" Mesh Fabric, Deduct	-64.79	
			For Gate With Single Barb Wire Arm, Add	81.91	
			For Gate With Double Barb Wire Arm, Add	119.15	
32 31	13 13-0477	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,146.41	92.48
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-162.90	
			For 1" Mesh Fabric, Add	377.93	
			For 1-1/4" Mesh Fabric, Add	243.27	
			For 1-3/4" Mesh Fabric, Add	151.17	
			For 2-1/8" Mesh Fabric, Deduct	-75.59	
			For Gate With Single Barb Wire Arm, Add	95.57	
			For Gate With Double Barb Wire Arm, Add	139.01	
32 31	13 13-0478	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,293.63	100.15
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-186.17	
			For 1" Mesh Fabric, Add	431.91	
			For 1-1/4" Mesh Fabric, Add	278.01	
			For 1-3/4" Mesh Fabric, Add	172.76	
			For 2-1/8" Mesh Fabric, Deduct	-86.38	
			For Gate With Single Barb Wire Arm, Add	109.22	
			For Gate With Double Barb Wire Arm, Add	158.86	
32 31	13 13-0479	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,445.10	109.28
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-209.44	
			For 1" Mesh Fabric, Add	485.91	
			For 1-1/4" Mesh Fabric, Add	312.77	
			For 1-3/4" Mesh Fabric, Add	194.36	
			For 2-1/8" Mesh Fabric, Deduct	-97.18	
			For Gate With Single Barb Wire Arm, Add	122.87	
			For Gate With Double Barb Wire Arm, Add	178.72	
32 31	13 13-0480	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,602.01	120.22
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-232.71	
			For 1" Mesh Fabric, Add	539.89	
			For 1-1/4" Mesh Fabric, Add	347.52	
			For 1-3/4" Mesh Fabric, Add	215.96	
			For 2-1/8" Mesh Fabric, Deduct	-107.98	
			For Gate With Single Barb Wire Arm, Add	136.52	
			For Gate With Double Barb Wire Arm, Add	198.58	
32 31	13 13-0481	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,766.19	133.52
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-255.98	
			For 1" Mesh Fabric, Add	593.87	
			For 1-1/4" Mesh Fabric, Add	382.26	
			For 1-3/4" Mesh Fabric, Add	237.55	
			For 2-1/8" Mesh Fabric, Deduct	-118.77	
			For Gate With Single Barb Wire Arm, Add	150.17	
			For Gate With Double Barb Wire Arm, Add	218.44	
32 31	13 13-0482	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,940.44	150.22
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-279.25	
			For 1" Mesh Fabric, Add	647.87	
			For 1-1/4" Mesh Fabric, Add	417.02	
			For 1-3/4" Mesh Fabric, Add	259.15	
			For 2-1/8" Mesh Fabric, Deduct	-129.57	
			For Gate With Single Barb Wire Arm, Add	163.83	
			For Gate With Double Barb Wire Arm, Add	238.30	



<b>Exterior Improvements</b>	<b>32</b>
Site Improvements	32 30
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0483 EA 26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,129.02	171.64
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-302.53	
For 1" Mesh Fabric, Add	701.86	
For 1-1/4" Mesh Fabric, Add	451.77	
For 1-3/4" Mesh Fabric, Add	280.75	
For 2-1/8" Mesh Fabric, Deduct	-140.37	
For Gate With Single Barb Wire Arm, Add	177.48	
For Gate With Double Barb Wire Arm, Add	258.16	
32 31 13 13-0484 EA 28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,339.04	200.29
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-325.80	
For 1" Mesh Fabric, Add	755.85	
For 1-1/4" Mesh Fabric, Add	486.52	
For 1-3/4" Mesh Fabric, Add	302.34	
For 2-1/8" Mesh Fabric, Deduct	-151.17	
For Gate With Single Barb Wire Arm, Add	191.13	
For Gate With Double Barb Wire Arm, Add	278.01	
32 31 13 13-0485 EA 30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,583.46	240.32
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-349.07	
For 1" Mesh Fabric, Add	809.84	
For 1-1/4" Mesh Fabric, Add	521.28	
For 1-3/4" Mesh Fabric, Add	323.94	
For 2-1/8" Mesh Fabric, Deduct	-161.97	
For Gate With Single Barb Wire Arm, Add	204.79	
For Gate With Double Barb Wire Arm, Add	297.87	
<b>32 31 13 13-0486 8' Fence Height</b> <small>(32 31 13 13-0405)</small>		
32 31 13 13-0487 EA 3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	281.48	31.11
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-35.26	
For 1" Mesh Fabric, Add	81.80	
For 1-1/4" Mesh Fabric, Add	52.65	
For 1-3/4" Mesh Fabric, Add	32.72	
For 2-1/8" Mesh Fabric, Deduct	-16.36	
For Gate With Single Barb Wire Arm, Add	20.68	
For Gate With Double Barb Wire Arm, Add	30.09	
32 31 13 13-0488 EA 4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	344.16	31.11
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-47.01	
For 1" Mesh Fabric, Add	109.06	
For 1-1/4" Mesh Fabric, Add	70.20	
For 1-3/4" Mesh Fabric, Add	43.63	
For 2-1/8" Mesh Fabric, Deduct	-21.81	
For Gate With Single Barb Wire Arm, Add	27.58	
For Gate With Double Barb Wire Arm, Add	40.12	
32 31 13 13-0489 EA 5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	385.95	31.11
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.85	
For 1" Mesh Fabric, Add	127.24	
For 1-1/4" Mesh Fabric, Add	81.90	
For 1-3/4" Mesh Fabric, Add	50.90	
For 2-1/8" Mesh Fabric, Deduct	-25.45	
For Gate With Single Barb Wire Arm, Add	32.18	
For Gate With Double Barb Wire Arm, Add	46.80	
32 31 13 13-0490 EA 6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	452.04	39.25
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-62.68	
For 1" Mesh Fabric, Add	145.42	
For 1-1/4" Mesh Fabric, Add	93.60	
For 1-3/4" Mesh Fabric, Add	58.17	
For 2-1/8" Mesh Fabric, Deduct	-29.08	
For Gate With Single Barb Wire Arm, Add	36.77	
For Gate With Double Barb Wire Arm, Add	53.49	
32 31 13 13-0491 EA 7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	518.11	47.28
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-70.52	
For 1" Mesh Fabric, Add	163.59	
For 1-1/4" Mesh Fabric, Add	105.30	
For 1-3/4" Mesh Fabric, Add	65.44	
For 2-1/8" Mesh Fabric, Deduct	-32.72	
For Gate With Single Barb Wire Arm, Add	41.37	
For Gate With Double Barb Wire Arm, Add	60.17	
32 31 13 13-0492 EA 8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	583.27	55.04
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-78.35	
For 1" Mesh Fabric, Add	181.77	
For 1-1/4" Mesh Fabric, Add	117.00	
For 1-3/4" Mesh Fabric, Add	72.71	
For 2-1/8" Mesh Fabric, Deduct	-36.35	
For Gate With Single Barb Wire Arm, Add	45.97	
For Gate With Double Barb Wire Arm, Add	66.86	
32 31 13 13-0493 EA 9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	649.36	63.17
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-86.19	
For 1" Mesh Fabric, Add	199.95	
For 1-1/4" Mesh Fabric, Add	128.70	
For 1-3/4" Mesh Fabric, Add	79.98	
For 2-1/8" Mesh Fabric, Deduct	-39.99	
For Gate With Single Barb Wire Arm, Add	50.56	
For Gate With Double Barb Wire Arm, Add	73.55	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0494 EA 10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	715.42	71.29
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-94.02	
For 1" Mesh Fabric, Add	218.13	
For 1-1/4" Mesh Fabric, Add	140.40	
For 1-3/4" Mesh Fabric, Add	87.25	
For 2-1/8" Mesh Fabric, Deduct	-43.63	
For Gate With Single Barb Wire Arm, Add	55.16	
For Gate With Double Barb Wire Arm, Add	80.23	
32 31 13 13-0495 EA 10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,009.93	85.83
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-141.03	
For 1" Mesh Fabric, Add	327.19	
For 1-1/4" Mesh Fabric, Add	210.60	
For 1-3/4" Mesh Fabric, Add	130.88	
For 2-1/8" Mesh Fabric, Deduct	-65.44	
For Gate With Single Barb Wire Arm, Add	82.74	
For Gate With Double Barb Wire Arm, Add	120.35	
32 31 13 13-0496 EA 12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,180.19	92.48
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-169.24	
For 1" Mesh Fabric, Add	392.63	
For 1-1/4" Mesh Fabric, Add	252.73	
For 1-3/4" Mesh Fabric, Add	157.05	
For 2-1/8" Mesh Fabric, Deduct	-78.53	
For Gate With Single Barb Wire Arm, Add	99.28	
For Gate With Double Barb Wire Arm, Add	144.41	
32 31 13 13-0497 EA 14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,353.75	100.15
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-197.44	
For 1" Mesh Fabric, Add	458.06	
For 1-1/4" Mesh Fabric, Add	294.85	
For 1-3/4" Mesh Fabric, Add	183.23	
For 2-1/8" Mesh Fabric, Deduct	-91.61	
For Gate With Single Barb Wire Arm, Add	115.83	
For Gate With Double Barb Wire Arm, Add	168.48	
32 31 13 13-0498 EA 16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,531.52	109.28
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-225.65	
For 1" Mesh Fabric, Add	523.50	
For 1-1/4" Mesh Fabric, Add	336.97	
For 1-3/4" Mesh Fabric, Add	209.40	
For 2-1/8" Mesh Fabric, Deduct	-104.70	
For Gate With Single Barb Wire Arm, Add	132.38	
For Gate With Double Barb Wire Arm, Add	192.55	
32 31 13 13-0499 EA 18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,714.76	120.22
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-253.85	
For 1" Mesh Fabric, Add	588.94	
For 1-1/4" Mesh Fabric, Add	379.09	
For 1-3/4" Mesh Fabric, Add	235.58	
For 2-1/8" Mesh Fabric, Deduct	-117.79	
For Gate With Single Barb Wire Arm, Add	148.93	
For Gate With Double Barb Wire Arm, Add	216.62	
32 31 13 13-0500 EA 20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,905.28	133.52
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-282.06	
For 1" Mesh Fabric, Add	654.37	
For 1-1/4" Mesh Fabric, Add	421.21	
For 1-3/4" Mesh Fabric, Add	261.75	
For 2-1/8" Mesh Fabric, Deduct	-130.87	
For Gate With Single Barb Wire Arm, Add	165.47	
For Gate With Double Barb Wire Arm, Add	240.69	
32 31 13 13-0501 EA 22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,105.83	150.22
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-310.26	
For 1" Mesh Fabric, Add	719.81	
For 1-1/4" Mesh Fabric, Add	463.33	
For 1-3/4" Mesh Fabric, Add	287.92	
For 2-1/8" Mesh Fabric, Deduct	-143.96	
For Gate With Single Barb Wire Arm, Add	182.02	
For Gate With Double Barb Wire Arm, Add	264.76	
32 31 13 13-0502 EA 24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,320.72	171.64
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-338.47	
For 1" Mesh Fabric, Add	785.25	
For 1-1/4" Mesh Fabric, Add	505.45	
For 1-3/4" Mesh Fabric, Add	314.10	
For 2-1/8" Mesh Fabric, Deduct	-157.05	
For Gate With Single Barb Wire Arm, Add	198.57	
For Gate With Double Barb Wire Arm, Add	288.83	
32 31 13 13-0503 EA 26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,557.07	200.29
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-366.68	
For 1" Mesh Fabric, Add	850.69	
For 1-1/4" Mesh Fabric, Add	547.57	
For 1-3/4" Mesh Fabric, Add	340.28	
For 2-1/8" Mesh Fabric, Deduct	-170.14	
For Gate With Single Barb Wire Arm, Add	215.12	
For Gate With Double Barb Wire Arm, Add	312.90	





<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0504 EA 28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,827.79	240.32
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-394.88	
For 1" Mesh Fabric, Add	916.13	
For 1-1/4" Mesh Fabric, Add	589.69	
For 1-3/4" Mesh Fabric, Add	366.45	
For 2-1/8" Mesh Fabric, Deduct	-183.23	
For Gate With Single Barb Wire Arm, Add	231.66	
For Gate With Double Barb Wire Arm, Add	336.97	
32 31 13 13-0505 EA 30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	3,158.66	300.43
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-423.09	
For 1" Mesh Fabric, Add	981.56	
For 1-1/4" Mesh Fabric, Add	631.81	
For 1-3/4" Mesh Fabric, Add	392.63	
For 2-1/8" Mesh Fabric, Deduct	-196.31	
For Gate With Single Barb Wire Arm, Add	248.21	
For Gate With Double Barb Wire Arm, Add	361.04	
<b>32 31 13 13-0506 10' Fence Height (32 31 13 13-0405)</b>		
32 31 13 13-0507 EA 3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	321.96	34.58
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-40.90	
For 1" Mesh Fabric, Add	94.89	
For 1-1/4" Mesh Fabric, Add	61.08	
For 1-3/4" Mesh Fabric, Add	37.95	
For 2-1/8" Mesh Fabric, Deduct	-18.98	
For Gate With Single Barb Wire Arm, Add	23.99	
For Gate With Double Barb Wire Arm, Add	34.90	
32 31 13 13-0508 EA 4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	394.67	34.58
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.53	
For 1" Mesh Fabric, Add	126.52	
For 1-1/4" Mesh Fabric, Add	81.44	
For 1-3/4" Mesh Fabric, Add	50.61	
For 2-1/8" Mesh Fabric, Deduct	-25.30	
For Gate With Single Barb Wire Arm, Add	31.99	
For Gate With Double Barb Wire Arm, Add	46.53	
32 31 13 13-0509 EA 5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm.....	447.72	36.07
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-63.62	
For 1" Mesh Fabric, Add	147.60	
For 1-1/4" Mesh Fabric, Add	95.01	
For 1-3/4" Mesh Fabric, Add	59.04	
For 2-1/8" Mesh Fabric, Deduct	-29.52	
For Gate With Single Barb Wire Arm, Add	37.33	
For Gate With Double Barb Wire Arm, Add	54.29	
32 31 13 13-0510 EA 6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	522.36	44.85
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-72.71	
For 1" Mesh Fabric, Add	168.69	
For 1-1/4" Mesh Fabric, Add	108.58	
For 1-3/4" Mesh Fabric, Add	67.48	
For 2-1/8" Mesh Fabric, Deduct	-33.74	
For Gate With Single Barb Wire Arm, Add	42.66	
For Gate With Double Barb Wire Arm, Add	62.05	
32 31 13 13-0511 EA 7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	596.06	53.17
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-81.80	
For 1" Mesh Fabric, Add	189.78	
For 1-1/4" Mesh Fabric, Add	122.16	
For 1-3/4" Mesh Fabric, Add	75.91	
For 2-1/8" Mesh Fabric, Deduct	-37.96	
For Gate With Single Barb Wire Arm, Add	47.99	
For Gate With Double Barb Wire Arm, Add	69.80	
32 31 13 13-0512 EA 8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	670.71	61.95
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-90.89	
For 1" Mesh Fabric, Add	210.87	
For 1-1/4" Mesh Fabric, Add	135.73	
For 1-3/4" Mesh Fabric, Add	84.35	
For 2-1/8" Mesh Fabric, Deduct	-42.17	
For Gate With Single Barb Wire Arm, Add	53.32	
For Gate With Double Barb Wire Arm, Add	77.56	
32 31 13 13-0513 EA 9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	744.41	70.36
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-99.98	
For 1" Mesh Fabric, Add	231.96	
For 1-1/4" Mesh Fabric, Add	149.30	
For 1-3/4" Mesh Fabric, Add	92.78	
For 2-1/8" Mesh Fabric, Deduct	-46.39	
For Gate With Single Barb Wire Arm, Add	58.66	
For Gate With Double Barb Wire Arm, Add	85.32	
32 31 13 13-0514 EA 10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	819.05	79.05
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-109.07	
For 1" Mesh Fabric, Add	253.04	
For 1-1/4" Mesh Fabric, Add	162.88	
For 1-3/4" Mesh Fabric, Add	101.22	
For 2-1/8" Mesh Fabric, Deduct	-50.61	
For Gate With Single Barb Wire Arm, Add	63.99	
For Gate With Double Barb Wire Arm, Add	93.07	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0515	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,158.95	95.41
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-163.60	
			<i>For 1" Mesh Fabric, Add</i>	379.55	
			<i>For 1-1/4" Mesh Fabric, Add</i>	244.31	
			<i>For 1-3/4" Mesh Fabric, Add</i>	151.82	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-75.91	
			<i>For Gate With Single Barb Wire Arm, Add</i>	95.98	
			<i>For Gate With Double Barb Wire Arm, Add</i>	139.61	
32 31	13 13-0516	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,355.39	102.63
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-196.32	
			<i>For 1" Mesh Fabric, Add</i>	455.47	
			<i>For 1-1/4" Mesh Fabric, Add</i>	293.17	
			<i>For 1-3/4" Mesh Fabric, Add</i>	182.19	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-91.09	
			<i>For Gate With Single Barb Wire Arm, Add</i>	115.18	
			<i>For Gate With Double Barb Wire Arm, Add</i>	167.53	
32 31	13 13-0517	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,555.69	111.31
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-229.04	
			<i>For 1" Mesh Fabric, Add</i>	531.37	
			<i>For 1-1/4" Mesh Fabric, Add</i>	342.03	
			<i>For 1-3/4" Mesh Fabric, Add</i>	212.55	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-106.27	
			<i>For Gate With Single Barb Wire Arm, Add</i>	134.37	
			<i>For Gate With Double Barb Wire Arm, Add</i>	195.45	
32 31	13 13-0518	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,760.43	121.35
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-261.76	
			<i>For 1" Mesh Fabric, Add</i>	607.29	
			<i>For 1-1/4" Mesh Fabric, Add</i>	390.90	
			<i>For 1-3/4" Mesh Fabric, Add</i>	242.91	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-121.46	
			<i>For Gate With Single Barb Wire Arm, Add</i>	153.57	
			<i>For Gate With Double Barb Wire Arm, Add</i>	223.37	
32 31	13 13-0519	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,971.54	133.52
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-294.48	
			<i>For 1" Mesh Fabric, Add</i>	683.20	
			<i>For 1-1/4" Mesh Fabric, Add</i>	439.76	
			<i>For 1-3/4" Mesh Fabric, Add</i>	273.28	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-136.64	
			<i>For Gate With Single Barb Wire Arm, Add</i>	172.76	
			<i>For Gate With Double Barb Wire Arm, Add</i>	251.29	
32 31	13 13-0520	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,190.38	148.30
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-327.20	
			<i>For 1" Mesh Fabric, Add</i>	759.11	
			<i>For 1-1/4" Mesh Fabric, Add</i>	488.62	
			<i>For 1-3/4" Mesh Fabric, Add</i>	303.64	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-151.82	
			<i>For Gate With Single Barb Wire Arm, Add</i>	191.96	
			<i>For Gate With Double Barb Wire Arm, Add</i>	279.21	
32 31	13 13-0521	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,420.80	166.91
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-359.92	
			<i>For 1" Mesh Fabric, Add</i>	835.02	
			<i>For 1-1/4" Mesh Fabric, Add</i>	537.48	
			<i>For 1-3/4" Mesh Fabric, Add</i>	334.01	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-167.00	
			<i>For Gate With Single Barb Wire Arm, Add</i>	211.15	
			<i>For Gate With Double Barb Wire Arm, Add</i>	307.13	
32 31	13 13-0522	EA	24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,666.54	190.59
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-392.64	
			<i>For 1" Mesh Fabric, Add</i>	910.93	
			<i>For 1-1/4" Mesh Fabric, Add</i>	586.35	
			<i>For 1-3/4" Mesh Fabric, Add</i>	364.37	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-182.19	
			<i>For Gate With Single Barb Wire Arm, Add</i>	230.35	
			<i>For Gate With Double Barb Wire Arm, Add</i>	335.05	
32 31	13 13-0523	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,936.89	222.51
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-425.36	
			<i>For 1" Mesh Fabric, Add</i>	986.84	
			<i>For 1-1/4" Mesh Fabric, Add</i>	635.21	
			<i>For 1-3/4" Mesh Fabric, Add</i>	394.74	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-197.37	
			<i>For Gate With Single Barb Wire Arm, Add</i>	249.55	
			<i>For Gate With Double Barb Wire Arm, Add</i>	362.98	
32 31	13 13-0524	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	3,244.35	266.82
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-458.08	
			<i>For 1" Mesh Fabric, Add</i>	1,062.75	
			<i>For 1-1/4" Mesh Fabric, Add</i>	684.07	
			<i>For 1-3/4" Mesh Fabric, Add</i>	425.10	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-212.55	
			<i>For Gate With Single Barb Wire Arm, Add</i>	268.74	
			<i>For Gate With Double Barb Wire Arm, Add</i>	390.90	



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0525 EA 30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	3,620.05	333.81
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-490.80	
For 1" Mesh Fabric, Add	1,138.66	
For 1-1/4" Mesh Fabric, Add	732.93	
For 1-3/4" Mesh Fabric, Add	455.47	
For 2-1/8" Mesh Fabric, Deduct	-227.73	
For Gate With Single Barb Wire Arm, Add	287.94	
For Gate With Double Barb Wire Arm, Add	418.82	
<b>32 31 13 13-0526 12' Fence Height</b> <small>(22 31 13 13-0405)</small>		
32 31 13 13-0527 EA 3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	419.58	38.40
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-57.04	
For 1" Mesh Fabric, Add	132.33	
For 1-1/4" Mesh Fabric, Add	85.18	
For 1-3/4" Mesh Fabric, Add	52.93	
For 2-1/8" Mesh Fabric, Deduct	-26.47	
For Gate With Single Barb Wire Arm, Add	33.46	
For Gate With Double Barb Wire Arm, Add	48.67	
32 31 13 13-0528 EA 4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	520.70	38.40
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-76.00	
For 1" Mesh Fabric, Add	176.32	
For 1-1/4" Mesh Fabric, Add	113.49	
For 1-3/4" Mesh Fabric, Add	70.53	
For 2-1/8" Mesh Fabric, Deduct	-35.26	
For Gate With Single Barb Wire Arm, Add	44.59	
For Gate With Double Barb Wire Arm, Add	64.85	
32 31 13 13-0529 EA 5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	600.16	39.80
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-90.10	
For 1" Mesh Fabric, Add	209.04	
For 1-1/4" Mesh Fabric, Add	134.55	
For 1-3/4" Mesh Fabric, Add	83.62	
For 2-1/8" Mesh Fabric, Deduct	-41.81	
For Gate With Single Barb Wire Arm, Add	52.86	
For Gate With Double Barb Wire Arm, Add	76.89	
32 31 13 13-0530 EA 6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	691.81	49.43
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-101.86	
For 1" Mesh Fabric, Add	236.31	
For 1-1/4" Mesh Fabric, Add	152.10	
For 1-3/4" Mesh Fabric, Add	94.52	
For 2-1/8" Mesh Fabric, Deduct	-47.26	
For Gate With Single Barb Wire Arm, Add	59.76	
For Gate With Double Barb Wire Arm, Add	86.92	
32 31 13 13-0531 EA 7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	790.43	59.15
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-114.92	
For 1" Mesh Fabric, Add	266.60	
For 1-1/4" Mesh Fabric, Add	171.61	
For 1-3/4" Mesh Fabric, Add	106.64	
For 2-1/8" Mesh Fabric, Deduct	-53.32	
For Gate With Single Barb Wire Arm, Add	67.42	
For Gate With Double Barb Wire Arm, Add	98.06	
32 31 13 13-0532 EA 8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	888.11	68.50
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-127.97	
For 1" Mesh Fabric, Add	296.90	
For 1-1/4" Mesh Fabric, Add	191.11	
For 1-3/4" Mesh Fabric, Add	118.76	
For 2-1/8" Mesh Fabric, Deduct	-59.38	
For Gate With Single Barb Wire Arm, Add	75.08	
For Gate With Double Barb Wire Arm, Add	109.20	
32 31 13 13-0533 EA 9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	986.72	78.12
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-141.03	
For 1" Mesh Fabric, Add	327.19	
For 1-1/4" Mesh Fabric, Add	210.61	
For 1-3/4" Mesh Fabric, Add	130.88	
For 2-1/8" Mesh Fabric, Deduct	-65.44	
For Gate With Single Barb Wire Arm, Add	82.74	
For Gate With Double Barb Wire Arm, Add	120.35	
32 31 13 13-0534 EA 10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	1,078.37	87.75
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-152.78	
For 1" Mesh Fabric, Add	354.46	
For 1-1/4" Mesh Fabric, Add	228.16	
For 1-3/4" Mesh Fabric, Add	141.78	
For 2-1/8" Mesh Fabric, Deduct	-70.89	
For Gate With Single Barb Wire Arm, Add	89.63	
For Gate With Double Barb Wire Arm, Add	130.38	
32 31 13 13-0535 EA 10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,539.97	106.01
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-229.10	
For 1" Mesh Fabric, Add	531.50	
For 1-1/4" Mesh Fabric, Add	342.12	
For 1-3/4" Mesh Fabric, Add	212.60	
For 2-1/8" Mesh Fabric, Deduct	-106.30	
For Gate With Single Barb Wire Arm, Add	134.40	
For Gate With Double Barb Wire Arm, Add	195.50	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0536 EA 12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,848.52	114.13
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-282.38	
For 1" Mesh Fabric, Add	655.11	
For 1-1/4" Mesh Fabric, Add	421.68	
For 1-3/4" Mesh Fabric, Add	262.04	
For 2-1/8" Mesh Fabric, Deduct	-131.02	
For Gate With Single Barb Wire Arm, Add	165.66	
For Gate With Double Barb Wire Arm, Add	240.96	
32 31 13 13-0537 EA 14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,129.67	123.60
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-329.70	
For 1" Mesh Fabric, Add	764.90	
For 1-1/4" Mesh Fabric, Add	492.35	
For 1-3/4" Mesh Fabric, Add	305.96	
For 2-1/8" Mesh Fabric, Deduct	-152.98	
For Gate With Single Barb Wire Arm, Add	193.42	
For Gate With Double Barb Wire Arm, Add	281.34	
32 31 13 13-0538 EA 16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,414.05	134.76
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-376.71	
For 1" Mesh Fabric, Add	873.97	
For 1-1/4" Mesh Fabric, Add	562.55	
For 1-3/4" Mesh Fabric, Add	349.59	
For 2-1/8" Mesh Fabric, Deduct	-174.79	
For Gate With Single Barb Wire Arm, Add	221.00	
For Gate With Double Barb Wire Arm, Add	321.46	
32 31 13 13-0539 EA 18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,702.03	148.41
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-423.09	
For 1" Mesh Fabric, Add	981.58	
For 1-1/4" Mesh Fabric, Add	631.82	
For 1-3/4" Mesh Fabric, Add	392.63	
For 2-1/8" Mesh Fabric, Deduct	-196.32	
For Gate With Single Barb Wire Arm, Add	248.22	
For Gate With Double Barb Wire Arm, Add	361.04	
32 31 13 13-0540 EA 20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	3,001.84	164.77
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-470.10	
For 1" Mesh Fabric, Add	1,090.64	
For 1-1/4" Mesh Fabric, Add	702.02	
For 1-3/4" Mesh Fabric, Add	436.26	
For 2-1/8" Mesh Fabric, Deduct	-218.13	
For Gate With Single Barb Wire Arm, Add	275.79	
For Gate With Double Barb Wire Arm, Add	401.16	
32 31 13 13-0541 EA 22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	3,314.85	185.40
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-517.11	
For 1" Mesh Fabric, Add	1,199.70	
For 1-1/4" Mesh Fabric, Add	772.22	
For 1-3/4" Mesh Fabric, Add	479.88	
For 2-1/8" Mesh Fabric, Deduct	-239.94	
For Gate With Single Barb Wire Arm, Add	303.37	
For Gate With Double Barb Wire Arm, Add	441.27	
32 31 13 13-0542 EA 24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	3,644.72	211.79
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-564.12	
For 1" Mesh Fabric, Add	1,308.77	
For 1-1/4" Mesh Fabric, Add	842.42	
For 1-3/4" Mesh Fabric, Add	523.51	
For 2-1/8" Mesh Fabric, Deduct	-261.75	
For Gate With Single Barb Wire Arm, Add	330.95	
For Gate With Double Barb Wire Arm, Add	481.39	
32 31 13 13-0543 EA 26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	4,010.29	247.32
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-612.70	
For 1" Mesh Fabric, Add	1,421.47	
For 1-1/4" Mesh Fabric, Add	914.97	
For 1-3/4" Mesh Fabric, Add	568.59	
For 2-1/8" Mesh Fabric, Deduct	-284.29	
For Gate With Single Barb Wire Arm, Add	359.45	
For Gate With Double Barb Wire Arm, Add	522.84	
32 31 13 13-0544 EA 28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	4,408.73	296.48
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-659.71	
For 1" Mesh Fabric, Add	1,530.53	
For 1-1/4" Mesh Fabric, Add	985.17	
For 1-3/4" Mesh Fabric, Add	612.21	
For 2-1/8" Mesh Fabric, Deduct	-306.11	
For Gate With Single Barb Wire Arm, Add	387.03	
For Gate With Double Barb Wire Arm, Add	562.96	
32 31 13 13-0545 EA 30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	4,883.01	370.92
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-706.72	
For 1" Mesh Fabric, Add	1,639.60	
For 1-1/4" Mesh Fabric, Add	1,055.37	
For 1-3/4" Mesh Fabric, Add	655.84	
For 2-1/8" Mesh Fabric, Deduct	-327.92	
For Gate With Single Barb Wire Arm, Add	414.61	
For Gate With Double Barb Wire Arm, Add	603.07	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 31 13 13-0546 Chain Link Galvanized Steel Sliding Gate</b> <small>(22 31 13 13-0263)</small>		
Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0630 for additional gate accessories, 32 31 13 13-0711 for gate replacement parts.		
<b>32 31 13 13-0547 4' High Chain Link Galvanized Steel Sliding Gate</b> <small>(22 31 13 13-0546)</small>		
32 31 13 13-0548 EA 10' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	2,525.82	366.07
For 1" Mesh Fabric, Add	780.23	
For 1-1/4" Mesh Fabric, Add	502.22	
For 1-3/4" Mesh Fabric, Add	312.09	
For 2-1/8" Mesh Fabric, Deduct	-156.05	
For Gate With Barb Wire Arm, Add	197.30	
For Vinyl Coated, Add	538.09	
32 31 13 13-0549 EA 12' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	3,036.18	441.97
For 1" Mesh Fabric, Add	936.28	
For 1-1/4" Mesh Fabric, Add	602.66	
For 1-3/4" Mesh Fabric, Add	374.51	
For 2-1/8" Mesh Fabric, Deduct	-187.26	
For Gate With Barb Wire Arm, Add	236.76	
For Vinyl Coated, Add	645.71	
32 31 13 13-0550 EA 14' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	3,542.41	515.60
For 1" Mesh Fabric, Add	1,092.33	
For 1-1/4" Mesh Fabric, Add	703.11	
For 1-3/4" Mesh Fabric, Add	436.93	
For 2-1/8" Mesh Fabric, Deduct	-218.47	
For Gate With Barb Wire Arm, Add	276.22	
For Vinyl Coated, Add	753.33	
32 31 13 13-0551 EA 16' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	4,055.05	592.63
For 1" Mesh Fabric, Add	1,248.38	
For 1-1/4" Mesh Fabric, Add	803.55	
For 1-3/4" Mesh Fabric, Add	499.35	
For 2-1/8" Mesh Fabric, Deduct	-249.68	
For Gate With Barb Wire Arm, Add	315.68	
For Vinyl Coated, Add	860.95	
32 31 13 13-0552 EA 18' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	4,561.99	666.72
For 1" Mesh Fabric, Add	1,404.43	
For 1-1/4" Mesh Fabric, Add	904.00	
For 1-3/4" Mesh Fabric, Add	561.77	
For 2-1/8" Mesh Fabric, Deduct	-280.89	
For Gate With Barb Wire Arm, Add	355.14	
For Vinyl Coated, Add	968.57	
32 31 13 13-0553 EA 20' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	5,055.24	733.93
For 1" Mesh Fabric, Add	1,560.48	
For 1-1/4" Mesh Fabric, Add	1,004.44	
For 1-3/4" Mesh Fabric, Add	624.19	
For 2-1/8" Mesh Fabric, Deduct	-312.10	
For Gate With Barb Wire Arm, Add	394.60	
For Vinyl Coated, Add	1,076.19	
32 31 13 13-0554 EA 24' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	6,040.78	883.81
For 1" Mesh Fabric, Add	1,858.82	
For 1-1/4" Mesh Fabric, Add	1,196.48	
For 1-3/4" Mesh Fabric, Add	743.53	
For 2-1/8" Mesh Fabric, Deduct	-371.76	
For Gate With Barb Wire Arm, Add	470.05	
For Vinyl Coated, Add	1,281.95	
32 31 13 13-0555 EA 30' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	8,717.46	1,668.27
For 1" Mesh Fabric, Add	2,340.71	
For 1-1/4" Mesh Fabric, Add	1,506.66	
For 1-3/4" Mesh Fabric, Add	936.28	
For 2-1/8" Mesh Fabric, Deduct	-468.14	
For Gate With Barb Wire Arm, Add	591.90	
For Vinyl Coated, Add	1,614.28	
32 31 13 13-0556 EA 40' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	11,623.27	2,224.36
For 1" Mesh Fabric, Add	3,120.94	
For 1-1/4" Mesh Fabric, Add	2,008.88	
For 1-3/4" Mesh Fabric, Add	1,248.38	
For 2-1/8" Mesh Fabric, Deduct	-624.19	
For Gate With Barb Wire Arm, Add	789.20	
For Vinyl Coated, Add	2,152.37	
<b>32 31 13 13-0557 5' High Chain Link Galvanized Steel Sliding Gate</b> <small>(22 31 13 13-0546)</small>		
32 31 13 13-0558 EA 10' Long x 5' High Chain Link Galvanized Steel Sliding Gate.....	2,643.21	398.43
For 1" Mesh Fabric, Add	803.17	
For 1-1/4" Mesh Fabric, Add	516.98	
For 1-3/4" Mesh Fabric, Add	321.27	
For 2-1/8" Mesh Fabric, Deduct	-160.63	
For Gate With Barb Wire Arm, Add	203.10	
For Vinyl Coated, Add	553.91	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0559	EA 12' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	3,170.74	477.59
	For 1" Mesh Fabric, Add	963.80	
	For 1-1/4" Mesh Fabric, Add	620.38	
	For 1-3/4" Mesh Fabric, Add	385.52	
	For 2-1/8" Mesh Fabric, Deduct	-192.76	
	For Gate With Barb Wire Arm, Add	243.72	
	For Vinyl Coated, Add	664.69	
32 31 13 13-0560	EA 14' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	3,699.00	557.11
	For 1" Mesh Fabric, Add	1,124.44	
	For 1-1/4" Mesh Fabric, Add	723.77	
	For 1-3/4" Mesh Fabric, Add	449.77	
	For 2-1/8" Mesh Fabric, Deduct	-224.89	
	For Gate With Barb Wire Arm, Add	284.34	
	For Vinyl Coated, Add	775.47	
32 31 13 13-0561	EA 16' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	4,227.75	636.83
	For 1" Mesh Fabric, Add	1,285.07	
	For 1-1/4" Mesh Fabric, Add	827.17	
	For 1-3/4" Mesh Fabric, Add	514.03	
	For 2-1/8" Mesh Fabric, Deduct	-257.01	
	For Gate With Barb Wire Arm, Add	324.96	
	For Vinyl Coated, Add	886.25	
32 31 13 13-0562	EA 18' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	4,755.95	716.22
	For 1" Mesh Fabric, Add	1,445.70	
	For 1-1/4" Mesh Fabric, Add	930.56	
	For 1-3/4" Mesh Fabric, Add	578.28	
	For 2-1/8" Mesh Fabric, Deduct	-289.14	
	For Gate With Barb Wire Arm, Add	365.58	
	For Vinyl Coated, Add	997.03	
32 31 13 13-0563	EA 20' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	5,284.45	795.84
	For 1" Mesh Fabric, Add	1,606.33	
	For 1-1/4" Mesh Fabric, Add	1,033.96	
	For 1-3/4" Mesh Fabric, Add	642.53	
	For 2-1/8" Mesh Fabric, Deduct	-321.27	
	For Gate With Barb Wire Arm, Add	406.20	
	For Vinyl Coated, Add	1,107.82	
32 31 13 13-0564	EA 24' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	6,311.00	956.09
	For 1" Mesh Fabric, Add	1,913.46	
	For 1-1/4" Mesh Fabric, Add	1,231.65	
	For 1-3/4" Mesh Fabric, Add	765.38	
	For 2-1/8" Mesh Fabric, Deduct	-382.69	
	For Gate With Barb Wire Arm, Add	483.86	
	For Vinyl Coated, Add	1,319.63	
32 31 13 13-0565	EA 30' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	7,927.09	1,194.06
	For 1" Mesh Fabric, Add	2,409.50	
	For 1-1/4" Mesh Fabric, Add	1,550.94	
	For 1-3/4" Mesh Fabric, Add	963.80	
	For 2-1/8" Mesh Fabric, Deduct	-481.90	
	For Gate With Barb Wire Arm, Add	609.30	
	For Vinyl Coated, Add	1,661.72	
32 31 13 13-0566	EA 40' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	10,568.89	1,591.70
	For 1" Mesh Fabric, Add	3,212.66	
	For 1-1/4" Mesh Fabric, Add	2,067.92	
	For 1-3/4" Mesh Fabric, Add	1,285.06	
	For 2-1/8" Mesh Fabric, Deduct	-642.53	
	For Gate With Barb Wire Arm, Add	812.40	
	For Vinyl Coated, Add	2,215.63	
<b>32 31 13 13-0567</b>	<b>6' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)</b>		
32 31 13 13-0568	EA 10' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	2,817.40	467.11
	For 1" Mesh Fabric, Add	819.22	
	For 1-1/4" Mesh Fabric, Add	527.31	
	For 1-3/4" Mesh Fabric, Add	327.69	
	For 2-1/8" Mesh Fabric, Deduct	-163.84	
	For Gate With Barb Wire Arm, Add	207.16	
	For Vinyl Coated, Add	564.98	
32 31 13 13-0569	EA 12' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	3,377.60	558.80
	For 1" Mesh Fabric, Add	983.06	
	For 1-1/4" Mesh Fabric, Add	632.77	
	For 1-3/4" Mesh Fabric, Add	393.22	
	For 2-1/8" Mesh Fabric, Deduct	-196.61	
	For Gate With Barb Wire Arm, Add	248.59	
	For Vinyl Coated, Add	677.97	
32 31 13 13-0570	EA 14' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	3,940.32	651.83
	For 1" Mesh Fabric, Add	1,146.91	
	For 1-1/4" Mesh Fabric, Add	738.24	
	For 1-3/4" Mesh Fabric, Add	458.76	
	For 2-1/8" Mesh Fabric, Deduct	-229.38	
	For Gate With Barb Wire Arm, Add	290.02	
	For Vinyl Coated, Add	790.97	
32 31 13 13-0571	EA 16' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	4,503.46	745.10
	For 1" Mesh Fabric, Add	1,310.75	
	For 1-1/4" Mesh Fabric, Add	843.70	
	For 1-3/4" Mesh Fabric, Add	524.30	
	For 2-1/8" Mesh Fabric, Deduct	-262.15	
	For Gate With Barb Wire Arm, Add	331.45	
	For Vinyl Coated, Add	903.97	



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0572	EA	18' Long x 6' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,066.18 1,474.59 949.16 589.84 -294.92 372.89 1,016.96	838.14
32 31 13	13-0573	EA	20' Long x 6' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,635.19 1,638.44 1,054.63 655.37 -327.69 414.32 1,129.96	934.34
32 31 13	13-0574	EA	24' Long x 6' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,722.03 1,951.70 1,256.27 780.68 -390.34 493.53 1,346.00	1,117.70
32 31 13	13-0575	EA	30' Long x 6' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	8,444.68 2,457.65 1,581.94 983.06 -491.53 621.48 1,694.93	1,397.50
32 31 13	13-0576	EA	40' Long x 6' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	11,258.03 3,276.87 2,109.25 1,310.75 -655.37 828.63 2,259.91	1,862.46
<b>32 31 13 13-0577 7' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)</b>					
32 31 13	13-0578	EA	10' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,999.11 851.33 547.98 340.53 -170.27 215.28 587.12	521.01
32 31 13	13-0579	EA	12' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,598.11 1,021.61 657.59 408.65 -204.32 258.34 704.56	624.77
32 31 13	13-0580	EA	14' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,198.80 1,191.85 767.17 476.74 -238.37 301.39 821.96	729.43
32 31 13	13-0581	EA	16' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,797.71 1,362.12 876.76 544.85 -272.42 344.44 939.39	833.17
32 31 13	13-0582	EA	18' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,397.59 1,532.38 986.36 612.95 -306.48 387.50 1,056.81	937.49
32 31 13	13-0583	EA	20' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,996.76 1,702.65 1,095.96 681.06 -340.53 430.55 1,174.24	1,041.36
32 31 13	13-0584	EA	24' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	7,161.65 2,028.19 1,305.50 811.28 -405.64 512.88 1,398.75	1,249.53

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0585 EA 30' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	8,995.12	1,561.92
For 1" Mesh Fabric, Add	2,553.96	
For 1-1/4" Mesh Fabric, Add	1,643.93	
For 1-3/4" Mesh Fabric, Add	1,021.59	
For 2-1/8" Mesh Fabric, Deduct	-510.79	
For Gate With Barb Wire Arm, Add	645.83	
For Vinyl Coated, Add	1,761.35	
32 31 13 13-0586 EA 40' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	11,993.50	2,082.60
For 1" Mesh Fabric, Add	3,405.29	
For 1-1/4" Mesh Fabric, Add	2,191.91	
For 1-3/4" Mesh Fabric, Add	1,362.12	
For 2-1/8" Mesh Fabric, Deduct	-681.06	
For Gate With Barb Wire Arm, Add	861.11	
For Vinyl Coated, Add	2,348.48	
<b>32 31 13 13-0587 8' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)</b>		
32 31 13 13-0588 EA 10' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	3,143.93	564.43
For 1" Mesh Fabric, Add	876.55	
For 1-1/4" Mesh Fabric, Add	564.22	
For 1-3/4" Mesh Fabric, Add	350.62	
For 2-1/8" Mesh Fabric, Deduct	-175.31	
For Gate With Barb Wire Arm, Add	221.66	
For Vinyl Coated, Add	604.52	
32 31 13 13-0589 EA 12' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	3,769.47	675.75
For 1" Mesh Fabric, Add	1,051.86	
For 1-1/4" Mesh Fabric, Add	677.06	
For 1-3/4" Mesh Fabric, Add	420.74	
For 2-1/8" Mesh Fabric, Deduct	-210.37	
For Gate With Barb Wire Arm, Add	265.99	
For Vinyl Coated, Add	725.42	
32 31 13 13-0590 EA 14' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	4,397.77	788.41
For 1" Mesh Fabric, Add	1,227.16	
For 1-1/4" Mesh Fabric, Add	789.90	
For 1-3/4" Mesh Fabric, Add	490.86	
For 2-1/8" Mesh Fabric, Deduct	-245.43	
For Gate With Barb Wire Arm, Add	310.32	
For Vinyl Coated, Add	846.32	
32 31 13 13-0591 EA 16' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	5,026.30	901.07
For 1" Mesh Fabric, Add	1,402.47	
For 1-1/4" Mesh Fabric, Add	902.74	
For 1-3/4" Mesh Fabric, Add	560.99	
For 2-1/8" Mesh Fabric, Deduct	-280.49	
For Gate With Barb Wire Arm, Add	354.65	
For Vinyl Coated, Add	967.22	
32 31 13 13-0592 EA 18' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	5,653.57	1,013.28
For 1" Mesh Fabric, Add	1,577.78	
For 1-1/4" Mesh Fabric, Add	1,015.58	
For 1-3/4" Mesh Fabric, Add	631.11	
For 2-1/8" Mesh Fabric, Deduct	-315.56	
For Gate With Barb Wire Arm, Add	398.98	
For Vinyl Coated, Add	1,088.12	
32 31 13 13-0593 EA 20' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	6,282.21	1,126.05
For 1" Mesh Fabric, Add	1,753.09	
For 1-1/4" Mesh Fabric, Add	1,128.43	
For 1-3/4" Mesh Fabric, Add	701.24	
For 2-1/8" Mesh Fabric, Deduct	-350.62	
For Gate With Barb Wire Arm, Add	443.31	
For Vinyl Coated, Add	1,209.03	
32 31 13 13-0594 EA 24' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	7,503.43	1,351.37
For 1" Mesh Fabric, Add	2,088.28	
For 1-1/4" Mesh Fabric, Add	1,344.18	
For 1-3/4" Mesh Fabric, Add	835.31	
For 2-1/8" Mesh Fabric, Deduct	-417.66	
For Gate With Barb Wire Arm, Add	528.07	
For Vinyl Coated, Add	1,440.19	
32 31 13 13-0595 EA 30' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	9,424.15	1,689.47
For 1" Mesh Fabric, Add	2,629.64	
For 1-1/4" Mesh Fabric, Add	1,692.64	
For 1-3/4" Mesh Fabric, Add	1,051.86	
For 2-1/8" Mesh Fabric, Deduct	-525.93	
For Gate With Barb Wire Arm, Add	664.97	
For Vinyl Coated, Add	1,813.55	
32 31 13 13-0596 EA 40' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	12,562.15	2,250.98
For 1" Mesh Fabric, Add	3,506.18	
For 1-1/4" Mesh Fabric, Add	2,256.85	
For 1-3/4" Mesh Fabric, Add	1,402.47	
For 2-1/8" Mesh Fabric, Deduct	-701.24	
For Gate With Barb Wire Arm, Add	886.62	
For Vinyl Coated, Add	2,418.06	

32 31 13 13-0597 9' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)





		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0598 EA 10' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	3,315.06	615.74
For 1" Mesh Fabric, Add	906.35	
For 1-1/4" Mesh Fabric, Add	583.40	
For 1-3/4" Mesh Fabric, Add	362.54	
For 2-1/8" Mesh Fabric, Deduct	-181.27	
For Gate With Barb Wire Arm, Add	229.19	
For Vinyl Coated, Add	625.07	
32 31 13 13-0599 EA 12' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	3,973.50	736.64
For 1" Mesh Fabric, Add	1,087.63	
For 1-1/4" Mesh Fabric, Add	700.08	
For 1-3/4" Mesh Fabric, Add	435.05	
For 2-1/8" Mesh Fabric, Deduct	-217.53	
For Gate With Barb Wire Arm, Add	275.03	
For Vinyl Coated, Add	750.09	
32 31 13 13-0600 EA 14' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	4,635.49	859.22
For 1" Mesh Fabric, Add	1,268.90	
For 1-1/4" Mesh Fabric, Add	816.77	
For 1-3/4" Mesh Fabric, Add	507.56	
For 2-1/8" Mesh Fabric, Deduct	-253.78	
For Gate With Barb Wire Arm, Add	320.87	
For Vinyl Coated, Add	875.11	
32 31 13 13-0601 EA 16' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	5,298.43	982.38
For 1" Mesh Fabric, Add	1,450.17	
For 1-1/4" Mesh Fabric, Add	933.44	
For 1-3/4" Mesh Fabric, Add	580.07	
For 2-1/8" Mesh Fabric, Deduct	-290.03	
For Gate With Barb Wire Arm, Add	366.71	
For Vinyl Coated, Add	1,000.12	
32 31 13 13-0602 EA 18' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	5,960.61	1,105.07
For 1" Mesh Fabric, Add	1,631.44	
For 1-1/4" Mesh Fabric, Add	1,050.12	
For 1-3/4" Mesh Fabric, Add	652.58	
For 2-1/8" Mesh Fabric, Deduct	-326.29	
For Gate With Barb Wire Arm, Add	412.55	
For Vinyl Coated, Add	1,125.13	
32 31 13 13-0603 EA 20' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	6,622.78	1,227.78
For 1" Mesh Fabric, Add	1,812.71	
For 1-1/4" Mesh Fabric, Add	1,166.80	
For 1-3/4" Mesh Fabric, Add	725.09	
For 2-1/8" Mesh Fabric, Deduct	-362.54	
For Gate With Barb Wire Arm, Add	458.39	
For Vinyl Coated, Add	1,250.15	
32 31 13 13-0604 EA 24' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	7,910.32	1,473.16
For 1" Mesh Fabric, Add	2,159.30	
For 1-1/4" Mesh Fabric, Add	1,389.89	
For 1-3/4" Mesh Fabric, Add	863.72	
For 2-1/8" Mesh Fabric, Deduct	-431.86	
For Gate With Barb Wire Arm, Add	546.03	
For Vinyl Coated, Add	1,489.17	
32 31 13 13-0605 EA 30' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	9,933.15	1,841.27
For 1" Mesh Fabric, Add	2,719.07	
For 1-1/4" Mesh Fabric, Add	1,750.20	
For 1-3/4" Mesh Fabric, Add	1,087.63	
For 2-1/8" Mesh Fabric, Deduct	-543.81	
For Gate With Barb Wire Arm, Add	687.58	
For Vinyl Coated, Add	1,875.22	
32 31 13 13-0606 EA 40' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	13,248.23	2,457.01
For 1" Mesh Fabric, Add	3,625.43	
For 1-1/4" Mesh Fabric, Add	2,333.61	
For 1-3/4" Mesh Fabric, Add	1,450.17	
For 2-1/8" Mesh Fabric, Deduct	-725.09	
For Gate With Barb Wire Arm, Add	916.78	
For Vinyl Coated, Add	2,500.30	
<b>32 31 13 13-0607 10' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)</b>		
32 31 13 13-0608 EA 10' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	3,527.83	677.32
For 1" Mesh Fabric, Add	945.34	
For 1-1/4" Mesh Fabric, Add	608.49	
For 1-3/4" Mesh Fabric, Add	378.14	
For 2-1/8" Mesh Fabric, Deduct	-189.07	
For Gate With Barb Wire Arm, Add	239.05	
For Vinyl Coated, Add	651.96	
32 31 13 13-0609 EA 12' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	4,233.42	812.76
For 1" Mesh Fabric, Add	1,134.41	
For 1-1/4" Mesh Fabric, Add	730.20	
For 1-3/4" Mesh Fabric, Add	453.76	
For 2-1/8" Mesh Fabric, Deduct	-226.88	
For Gate With Barb Wire Arm, Add	286.86	
For Vinyl Coated, Add	782.35	
32 31 13 13-0610 EA 14' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	4,939.44	948.43
For 1" Mesh Fabric, Add	1,323.48	
For 1-1/4" Mesh Fabric, Add	851.89	
For 1-3/4" Mesh Fabric, Add	529.39	
For 2-1/8" Mesh Fabric, Deduct	-264.70	
For Gate With Barb Wire Arm, Add	334.67	
For Vinyl Coated, Add	912.74	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0611	EA	16' Long x 10' High Chain Link Galvanized Steel Sliding Gate .....	5,644.81	1,083.87
			<i>For 1" Mesh Fabric, Add</i>	1,512.55	
			<i>For 1-1/4" Mesh Fabric, Add</i>	973.59	
			<i>For 1-3/4" Mesh Fabric, Add</i>	605.02	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-302.51	
			<i>For Gate With Barb Wire Arm, Add</i>	382.48	
			<i>For Vinyl Coated, Add</i>	1,043.14	
32 31	13 13-0612	EA	18' Long x 10' High Chain Link Galvanized Steel Sliding Gate .....	6,350.10	1,219.20
			<i>For 1" Mesh Fabric, Add</i>	1,701.61	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,095.29	
			<i>For 1-3/4" Mesh Fabric, Add</i>	680.64	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-340.32	
			<i>For Gate With Barb Wire Arm, Add</i>	430.29	
			<i>For Vinyl Coated, Add</i>	1,173.52	
32 31	13 13-0613	EA	20' Long x 10' High Chain Link Galvanized Steel Sliding Gate .....	7,055.68	1,354.64
			<i>For 1" Mesh Fabric, Add</i>	1,890.68	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,216.99	
			<i>For 1-3/4" Mesh Fabric, Add</i>	756.27	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-378.14	
			<i>For Gate With Barb Wire Arm, Add</i>	478.10	
			<i>For Vinyl Coated, Add</i>	1,303.92	
32 31	13 13-0614	EA	24' Long x 10' High Chain Link Galvanized Steel Sliding Gate .....	8,429.73	1,626.20
			<i>For 1" Mesh Fabric, Add</i>	2,252.17	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,449.67	
			<i>For 1-3/4" Mesh Fabric, Add</i>	900.87	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-450.43	
			<i>For Gate With Barb Wire Arm, Add</i>	569.52	
			<i>For Vinyl Coated, Add</i>	1,553.22	
32 31	13 13-0615	EA	30' Long x 10' High Chain Link Galvanized Steel Sliding Gate .....	10,583.51	2,031.96
			<i>For 1" Mesh Fabric, Add</i>	2,836.02	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,825.48	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,134.41	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-567.20	
			<i>For Gate With Barb Wire Arm, Add</i>	717.15	
			<i>For Vinyl Coated, Add</i>	1,955.87	
32 31	13 13-0616	EA	40' Long x 10' High Chain Link Galvanized Steel Sliding Gate .....	14,108.11	2,707.71
			<i>For 1" Mesh Fabric, Add</i>	3,781.36	
			<i>For 1-1/4" Mesh Fabric, Add</i>	2,433.98	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,512.55	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-756.27	
			<i>For Gate With Barb Wire Arm, Add</i>	956.21	
			<i>For Vinyl Coated, Add</i>	2,607.84	
32 31	13 13-0617		<b>Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller</b> <small>(32 31 13 13-0263)</small>		
			Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0020 for gate operators.		
32 31	13 13-0618	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate.....	5,133.41	451.09
			<i>For 1" Mesh Fabric, Add</i>	1,840.58	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,184.74	
			<i>For 1-3/4" Mesh Fabric, Add</i>	736.23	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-368.12	
			<i>For Gate With Single Barb Wire Arm, Add</i>	465.43	
			<i>For Gate With Double Barb Wire Arm, Add</i>	677.00	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,030.99	
			<i>For Powder Coated Gate And Post, Add</i>	888.56	
			<i>For Vinyl Coated, Add</i>	1,269.37	
32 31	13 13-0619	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate.....	5,647.00	563.87
			<i>For 1" Mesh Fabric, Add</i>	1,965.87	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,265.39	
			<i>For 1-3/4" Mesh Fabric, Add</i>	786.35	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-393.17	
			<i>For Gate With Single Barb Wire Arm, Add</i>	497.12	
			<i>For Gate With Double Barb Wire Arm, Add</i>	723.08	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,169.24	
			<i>For Powder Coated Gate And Post, Add</i>	949.04	
			<i>For Vinyl Coated, Add</i>	1,355.78	
32 31	13 13-0620	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate.....	6,164.53	676.64
			<i>For 1" Mesh Fabric, Add</i>	2,092.89	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,347.15	
			<i>For 1-3/4" Mesh Fabric, Add</i>	837.16	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-418.58	
			<i>For Gate With Single Barb Wire Arm, Add</i>	529.24	
			<i>For Gate With Double Barb Wire Arm, Add</i>	769.80	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,309.40	
			<i>For Powder Coated Gate And Post, Add</i>	1,010.36	
			<i>For Vinyl Coated, Add</i>	1,443.37	



<b>Exterior Improvements</b>	<b>32</b>	
Site Improvements	32 30	32
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0621 EA 5' High x 20' Wide Galvanized Cantilever Sliding Gate.....	7,257.13	902.19
For 1" Mesh Fabric, Add	2,371.94	
For 1-1/4" Mesh Fabric, Add	1,526.77	
For 1-3/4" Mesh Fabric, Add	948.78	
For 2-1/8" Mesh Fabric, Deduct	-474.39	
For Gate With Single Barb Wire Arm, Add	599.80	
For Gate With Double Barb Wire Arm, Add	872.44	
For Aluminized Steel Gate And Post, Add	2,617.32	
For Powder Coated Gate And Post, Add	1,145.08	
For Vinyl Coated, Add	1,635.82	
32 31 13 13-0622 EA 6' High x 15' Wide Galvanized Cantilever Sliding Gate.....	6,759.40	902.19
For 1" Mesh Fabric, Add	2,155.43	
For 1-1/4" Mesh Fabric, Add	1,387.40	
For 1-3/4" Mesh Fabric, Add	862.17	
For 2-1/8" Mesh Fabric, Deduct	-431.09	
For Gate With Single Barb Wire Arm, Add	545.05	
For Gate With Double Barb Wire Arm, Add	792.80	
For Aluminized Steel Gate And Post, Add	2,378.40	
For Powder Coated Gate And Post, Add	1,040.55	
For Vinyl Coated, Add	1,486.50	
32 31 13 13-0623 EA 6' High x 20' Wide Galvanized Cantilever Sliding Gate.....	7,948.59	1,184.13
For 1" Mesh Fabric, Add	2,427.44	
For 1-1/4" Mesh Fabric, Add	1,562.49	
For 1-3/4" Mesh Fabric, Add	970.98	
For 2-1/8" Mesh Fabric, Deduct	-485.49	
For Gate With Single Barb Wire Arm, Add	613.84	
For Gate With Double Barb Wire Arm, Add	892.85	
For Aluminized Steel Gate And Post, Add	2,678.56	
For Powder Coated Gate And Post, Add	1,171.87	
For Vinyl Coated, Add	1,674.10	
32 31 13 13-0624 EA 6' High x 25' Wide Galvanized Cantilever Sliding Gate.....	10,516.59	1,466.06
For 1" Mesh Fabric, Add	3,299.24	
For 1-1/4" Mesh Fabric, Add	2,123.65	
For 1-3/4" Mesh Fabric, Add	1,319.70	
For 2-1/8" Mesh Fabric, Deduct	-659.85	
For Gate With Single Barb Wire Arm, Add	834.29	
For Gate With Double Barb Wire Arm, Add	1,213.51	
For Aluminized Steel Gate And Post, Add	3,640.54	
For Powder Coated Gate And Post, Add	1,592.74	
For Vinyl Coated, Add	2,275.34	
32 31 13 13-0625 EA 6' High x 30' Wide Galvanized Cantilever Sliding Gate.....	11,866.40	1,748.00
For 1" Mesh Fabric, Add	3,641.12	
For 1-1/4" Mesh Fabric, Add	2,343.71	
For 1-3/4" Mesh Fabric, Add	1,456.45	
For 2-1/8" Mesh Fabric, Deduct	-728.22	
For Gate With Single Barb Wire Arm, Add	920.74	
For Gate With Double Barb Wire Arm, Add	1,339.26	
For Aluminized Steel Gate And Post, Add	4,017.79	
For Powder Coated Gate And Post, Add	1,757.78	
For Vinyl Coated, Add	2,511.12	
32 31 13 13-0626 EA 8' High x 15' Wide Galvanized Cantilever Sliding Gate.....	7,924.54	1,127.75
For 1" Mesh Fabric, Add	2,466.04	
For 1-1/4" Mesh Fabric, Add	1,587.34	
For 1-3/4" Mesh Fabric, Add	986.42	
For 2-1/8" Mesh Fabric, Deduct	-493.21	
For Gate With Single Barb Wire Arm, Add	623.60	
For Gate With Double Barb Wire Arm, Add	907.05	
For Aluminized Steel Gate And Post, Add	2,721.15	
For Powder Coated Gate And Post, Add	1,190.50	
For Vinyl Coated, Add	1,700.72	
32 31 13 13-0627 EA 8' High x 20' Wide Galvanized Cantilever Sliding Gate.....	9,428.33	1,522.45
For 1" Mesh Fabric, Add	2,776.79	
For 1-1/4" Mesh Fabric, Add	1,787.36	
For 1-3/4" Mesh Fabric, Add	1,110.72	
For 2-1/8" Mesh Fabric, Deduct	-555.36	
For Gate With Single Barb Wire Arm, Add	702.18	
For Gate With Double Barb Wire Arm, Add	1,021.35	
For Aluminized Steel Gate And Post, Add	3,064.05	
For Powder Coated Gate And Post, Add	1,340.52	
For Vinyl Coated, Add	1,915.03	
32 31 13 13-0628 EA 8' High x 25' Wide Galvanized Cantilever Sliding Gate.....	12,510.27	1,917.16
For 1" Mesh Fabric, Add	3,774.04	
For 1-1/4" Mesh Fabric, Add	2,429.27	
For 1-3/4" Mesh Fabric, Add	1,509.62	
For 2-1/8" Mesh Fabric, Deduct	-754.81	
For Gate With Single Barb Wire Arm, Add	954.35	
For Gate With Double Barb Wire Arm, Add	1,388.15	
For Aluminized Steel Gate And Post, Add	4,164.46	
For Powder Coated Gate And Post, Add	1,821.95	
For Vinyl Coated, Add	2,602.79	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0629 EA 8' High x 30' Wide Galvanized Cantilever Sliding Gate.....	14,084.86	2,255.48
For 1" Mesh Fabric, Add	4,164.65	
For 1-1/4" Mesh Fabric, Add	2,680.69	
For 1-3/4" Mesh Fabric, Add	1,665.86	
For 2-1/8" Mesh Fabric, Deduct	-832.93	
For Gate With Single Barb Wire Arm, Add	1,053.13	
For Gate With Double Barb Wire Arm, Add	1,531.82	
For Aluminized Steel Gate And Post, Add	4,595.47	
For Powder Coated Gate And Post, Add	2,010.52	
For Vinyl Coated, Add	2,872.17	
<b>32 31 13 13-0630 Gate Accessories (32 31 13 13-0630)</b>		
32 31 13 13-0631 EA Gate Center Stop, Cast Steel, Ground.....	41.93	
32 31 13 13-0632 EA Gate Latch, Malleable Galvanized Steel.....	47.21	
32 31 13 13-0633 EA Gate Keeper, Full Length, Galvanized Steel.....	218.47	
32 31 13 13-0634 EA Gate Keeper Hold-Open For Cantilever Gate.....	105.55	17.75
32 31 13 13-0635 EA Heavy Duty Gate Latch, Malleable Galvanized Steel.....	58.53	
32 31 13 13-0636 EA Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate.....	821.53	
32 31 13 13-0637 EA Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate.....	881.18	
32 31 13 13-0638 EA Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate.....	940.83	
32 31 13 13-0639 LF Aluminum V-Groove Gate Track.....	55.33	9.67
32 31 13 13-0640 LF Galvanized Steel V-Groove Gate Track.....	42.58	9.67
<b>32 31 13 13-0641 Vertical-Pivot Lift Gate (32 31 13 13-0641)</b>		
Note: Includes 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes operator. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate.		
32 31 13 13-0642 EA 5' High x 12' Wide Galvanized Vertical-Pivot Lift Gate.....	19,628.98	845.80
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
32 31 13 13-0643 EA 5' High x 14' Wide Galvanized Vertical-Pivot Lift Gate.....	19,967.30	1,014.97
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
32 31 13 13-0644 EA 5' High x 16' Wide Galvanized Vertical-Pivot Lift Gate.....	20,305.63	1,184.13
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
For Wind Bracing, Add	287.50	
32 31 13 13-0645 EA 5' High x 18' Wide Galvanized Vertical-Pivot Lift Gate.....	20,868.87	1,353.29
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
For Wind Bracing, Add	317.50	
32 31 13 13-0646 EA 5' High x 20' Wide Galvanized Vertical-Pivot Lift Gate.....	21,420.86	1,522.45
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
For Wind Bracing, Add	317.50	
32 31 13 13-0647 EA 6' High x 12' Wide Galvanized Vertical-Pivot Lift Gate.....	20,575.06	1,099.54
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
32 31 13 13-0648 EA 6' High x 14' Wide Galvanized Vertical-Pivot Lift Gate.....	20,913.37	1,268.71
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
32 31 13 13-0649 EA 6' High x 16' Wide Galvanized Vertical-Pivot Lift Gate.....	21,251.70	1,437.87
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
For Wind Bracing, Add	287.50	
32 31 13 13-0650 EA 6' High x 18' Wide Galvanized Vertical-Pivot Lift Gate.....	21,713.74	1,607.03
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
For Wind Bracing, Add	317.50	
32 31 13 13-0651 EA 6' High x 20' Wide Galvanized Vertical-Pivot Lift Gate.....	22,366.94	1,776.20
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
For Wind Bracing, Add	317.50	
<b>32 31 13 13-0652 Accessories (32 31 13 13)</b>		
<b>32 31 13 13-0653 Barbed And Concertina Wire (32 31 13 13-0652)</b>		
<b>32 31 13 13-0654 Single Strand Barbed Wire (32 31 13 13-0653)</b>		
32 31 13 13-0655 LF Galvanized Barbed Wire, Per Strand.....	1.02	0.47
Note: Includes clips. 4 points 12-1/2 Gauge, Class I.		
For >500 To 2,000, Deduct	-0.10	
For >2,000, Deduct	-0.15	
32 31 13 13-0656 LF Vinyl Coated Barbed Wire (Fused), Per Strand.....	1.17	0.47
Note: Includes clips.		
For >500 To 2,000, Deduct	-0.11	
For >2,000, Deduct	-0.16	
32 31 13 13-0657 EA Barbed Wire Extension Arms 3 Strands (Single Arm).....	11.48	7.48
32 31 13 13-0658 EA Barbed Wire Extension Arms 6 Strands (Double Arm).....	18.83	8.97



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0659 EA Barbed Wire Eye Tops (For Single Strand).....	11.65	7.48
<b>32 31 13 13-0660 Galvanized Steel Concertina (Razor) Wire, Single Coil</b> <small>(32 31 13 13-0653)</small>		
32 31 13 13-0661 LF 18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.87	0.65
For >500 To 1,500, Deduct	-0.34	
For >1,500 To 5,000, Deduct	-0.67	
For >5,000, Deduct	-0.96	
For Ground Installation, Deduct	-0.47	
For Double Coil (Helix), Add	2.94	
32 31 13 13-0662 LF 18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.86	0.65
For >500 To 1,500, Deduct	-0.51	
For >1,500 To 5,000, Deduct	-1.02	
For >5,000, Deduct	-1.45	
For Ground Installation, Deduct	-0.70	
For Double Coil (Helix), Add	4.46	
32 31 13 13-0663 LF 18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	7.76	0.65
For >500 To 1,500, Deduct	-0.68	
For >1,500 To 5,000, Deduct	-1.35	
For >5,000, Deduct	-1.93	
For Ground Installation, Deduct	-0.94	
For Double Coil (Helix), Add	5.89	
32 31 13 13-0664 LF 24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.36	0.65
For >500 To 1,500, Deduct	-0.53	
For >1,500 To 5,000, Deduct	-1.06	
For >5,000, Deduct	-1.48	
For Ground Installation, Deduct	-0.52	
For Double Coil (Helix), Add	5.32	
32 31 13 13-0665 LF 24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	9.60	0.65
For >500 To 1,500, Deduct	-0.80	
For >1,500 To 5,000, Deduct	-1.60	
For >5,000, Deduct	-2.23	
For Ground Installation, Deduct	-0.78	
For Double Coil (Helix), Add	8.05	
32 31 13 13-0666 LF 24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	12.70	0.65
For >500 To 1,500, Deduct	-1.06	
For >1,500 To 5,000, Deduct	-2.11	
For >5,000, Deduct	-2.95	
For Ground Installation, Deduct	-1.03	
For Double Coil (Helix), Add	10.64	
32 31 13 13-0667 LF 30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	19.15	0.65
For >500 To 1,500, Deduct	-1.49	
For >1,500 To 5,000, Deduct	-2.99	
For >5,000, Deduct	-4.06	
For Ground Installation, Deduct	-0.59	
For Double Coil (Helix), Add	17.98	
32 31 13 13-0668 LF 30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	28.97	0.65
For >500 To 1,500, Deduct	-2.26	
For >1,500 To 5,000, Deduct	-4.52	
For >5,000, Deduct	-6.14	
For Ground Installation, Deduct	-0.88	
For Double Coil (Helix), Add	27.22	
32 31 13 13-0669 LF 30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	38.29	0.65
For >500 To 1,500, Deduct	-2.99	
For >1,500 To 5,000, Deduct	-5.98	
For >5,000, Deduct	-8.13	
For Ground Installation, Deduct	-1.17	
For Double Coil (Helix), Add	35.96	
<b>32 31 13 13-0670 Stainless Steel Concertina (Razor) Wire, Single Coil</b> <small>(32 31 13 13-0653)</small>		
32 31 13 13-0671 LF 18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.76	0.65
For >500 To 1,500, Deduct	-0.55	
For >1,500 To 5,000, Deduct	-1.11	
For >5,000, Deduct	-1.54	
For Ground Installation, Deduct	-0.47	
For Double Coil (Helix), Add	5.83	
32 31 13 13-0672 LF 18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	10.23	0.65
For >500 To 1,500, Deduct	-0.84	
For >1,500 To 5,000, Deduct	-1.68	
For >5,000, Deduct	-2.33	
For Ground Installation, Deduct	-0.70	
For Double Coil (Helix), Add	8.83	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0673 LF 18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	13.53	0.65
For >500 To 1,500, Deduct	-1.11	
For >1,500 To 5,000, Deduct	-2.22	
For >5,000, Deduct	-3.08	
For Ground Installation, Deduct	-0.94	
For Double Coil (Helix), Add	11.66	
32 31 13 13-0674 LF 24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	8.81	0.65
For >500 To 1,500, Deduct	-0.71	
For >1,500 To 5,000, Deduct	-1.43	
For >5,000, Deduct	-1.97	
For Ground Installation, Deduct	-0.52	
For Double Coil (Helix), Add	7.77	
32 31 13 13-0675 LF 24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	13.31	0.65
For >500 To 1,500, Deduct	-1.08	
For >1,500 To 5,000, Deduct	-2.15	
For >5,000, Deduct	-2.97	
For Ground Installation, Deduct	-0.78	
For Double Coil (Helix), Add	11.76	
32 31 13 13-0676 LF 24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	17.60	0.65
For >500 To 1,500, Deduct	-1.42	
For >1,500 To 5,000, Deduct	-2.85	
For >5,000, Deduct	-3.93	
For Ground Installation, Deduct	-1.03	
For Double Coil (Helix), Add	15.54	
32 31 13 13-0677 LF 30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	28.42	0.65
For >500 To 1,500, Deduct	-2.19	
For >1,500 To 5,000, Deduct	-4.38	
For >5,000, Deduct	-5.92	
For Ground Installation, Deduct	-0.59	
For Double Coil (Helix), Add	27.25	
32 31 13 13-0678 LF 30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	43.01	0.65
For >500 To 1,500, Deduct	-3.31	
For >1,500 To 5,000, Deduct	-6.63	
For >5,000, Deduct	-8.95	
For Ground Installation, Deduct	-0.88	
For Double Coil (Helix), Add	41.26	
32 31 13 13-0679 LF 30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	56.83	0.65
For >500 To 1,500, Deduct	-4.38	
For >1,500 To 5,000, Deduct	-8.76	
For >5,000, Deduct	-11.83	
For Ground Installation, Deduct	-1.17	
For Double Coil (Helix), Add	54.50	
<b>32 31 13 13-0680 Grounding For Gates</b> <small>(32 31 13 13-0652)</small> Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13 13-0681 OPN Grounding For Gates (Per Opening).....	430.77	
<b>32 31 13 13-0682 Coiled Spring Reinforcing Wire</b> <small>(32 31 13 13-0652)</small>		
<b>32 31 13 13-0683 Galvanized Steel</b> <small>(32 31 13 13-0682)</small>		
32 31 13 13-0684 LF 7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring.....	1.14	0.47
<b>32 31 13 13-0685 Vinyl Coated Steel</b> <small>(32 31 13 13-0682)</small>		
32 31 13 13-0686 LF 9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring.....	1.14	0.47
<b>32 31 13 13-0687 Bending Of Fabric Around Pipe Railings</b> <small>(32 31 13 13-0652)</small> Note: Only where specified.		
32 31 13 13-0688 LF Bend Chain Link Fence Fabric Around Pipe Railing, Top.....	1.42	
32 31 13 13-0689 LF Bend Chain Link Fence Fabric Around Pipe Railing, Bottom.....	1.23	
<b>32 31 13 13-0690 Mounting Plate With Anchors Or Bolts</b> <small>(32 31 13 13-0652)</small> Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 13-0691 EA Mounting Plate For 1-5/8" Diameter Post.....	42.34	
32 31 13 13-0692 EA Mounting Plate For 2" Diameter Post.....	43.06	
32 31 13 13-0693 EA Mounting Plate For 2-1/2" Diameter Post.....	44.24	
32 31 13 13-0694 EA Mounting Plate For 3" Diameter Post.....	53.49	
32 31 13 13-0695 EA Mounting Plate For 4" Diameter Post.....	61.63	
32 31 13 13-0696 EA Mounting Plate For 6-5/8" Diameter Post.....	71.57	
32 31 13 13-0697 EA Mounting Plate For 8-5/8" Diameter Post.....	84.54	



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 31 13 13-0698</b>	<b>Tension Bar <small>(32 31 13 13-0698)</small></b>	
32 31 13 13-0699 EA 3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	15.08	
32 31 13 13-0700 EA 3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	16.06	
32 31 13 13-0701 EA 4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	19.93	
32 31 13 13-0702 EA 5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	23.14	
32 31 13 13-0703 EA 6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	27.42	
32 31 13 13-0704 EA 7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	31.91	
32 31 13 13-0705 EA 8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	36.09	
32 31 13 13-0706 EA 9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	43.44	
32 31 13 13-0707 EA 10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	52.01	
<b>32 31 13 13-0708</b>	<b>Truss Rods <small>(32 31 13 13-0692)</small></b>	
32 31 13 13-0709 LF 3/8" Diameter Truss Rods .....	2.01	0.50
<b>32 31 13 13-0710</b>	<b>Fence And Gate Repair And Replacement <small>(32 31 13 13)</small></b>	
<b>32 31 13 13-0711</b>	<b>Fence And Gate Parts Replacement <small>(32 31 13 13-0710)</small></b>	
32 31 13 13-0712 EA Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement .....	127.05	
32 31 13 13-0713 EA Sliding Gate Roller Assembly Replacement .....	122.85	
32 31 13 13-0714 EA Rod And Lock Gate Keeper Replacement .....	127.48	
32 31 13 13-0715 EA Galvanized Gate Holdback Replacement .....	26.40	
32 31 13 13-0716 LF 3/8" Cross Bracing Rod Replacement .....	1.60	
32 31 13 13-0717 LF 1-5/8" Diagonal Pipe Bracing Replacement .....	2.52	
32 31 13 13-0718 EA 2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement .....	26.38	
32 31 13 13-0719 EA 2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement .....	30.01	
32 31 13 13-0720 EA 3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement .....	33.79	
32 31 13 13-0721 EA 6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement .....	50.47	
32 31 13 13-0722 EA 8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement .....	114.34	
32 31 13 13-0723 EA 2-1/2" x 2" Off Set Gate Hinge Replacement .....	25.49	
32 31 13 13-0724 EA 3" x 2" Off Set Gate Hinge Replacement .....	26.57	
32 31 13 13-0725 EA 4" x 2" Off Set Gate Hinge Replacement .....	28.32	
32 31 13 13-0726 EA 6-5/8" x 2" Off Set Gate Hinge Replacement .....	47.69	
32 31 13 13-0727 EA 8-5/8" x 2" Off Set Gate Hinge Replacement .....	76.51	
32 31 13 13-0728 EA 1-5/8" Aluminum Die-Cast Post Cap Replacement .....	4.93	
32 31 13 13-0729 EA 2" Aluminum Die-Cast Post Cap Replacement .....	5.40	
32 31 13 13-0730 EA 2-1/2" Aluminum Die-Cast Post Cap Replacement .....	6.22	
32 31 13 13-0731 EA 3" Aluminum Die-Cast Post Cap Replacement .....	7.18	
32 31 13 13-0732 EA 2" Galvanized Post Cap Replacement .....	6.00	
32 31 13 13-0733 EA 2-1/2" Galvanized Post Cap Replacement .....	6.48	
32 31 13 13-0734 EA 3" Galvanized Post Cap Replacement .....	7.47	
32 31 13 13-0735 EA 4" Galvanized Post Cap Replacement .....	11.45	
32 31 13 13-0736 EA 6-5/8" Galvanized Post Cap Replacement .....	22.56	
32 31 13 13-0737 EA 8-5/8" Galvanized Post Cap Replacement .....	37.52	
32 31 13 13-0738 EA 1-5/8" Boulevard Clamp Replacement .....	9.86	
32 31 13 13-0739 EA 2" Boulevard Clamp Replacement .....	12.06	
32 31 13 13-0740 EA 2-1/2" Boulevard Clamp Replacement .....	14.14	
32 31 13 13-0741 EA 3" Boulevard Clamp Replacement .....	17.15	
32 31 13 13-0742 EA 1-5/8" Gate Brace Or End Rail Clamp Replacement .....	9.64	
32 31 13 13-0743 EA 2" Gate Brace Or End Rail Clamp Replacement .....	11.75	
32 31 13 13-0744 EA 2-1/2" Gate Brace Or End Rail Clamp Replacement .....	13.83	
32 31 13 13-0745 EA 1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement .....	10.31	
32 31 13 13-0746 EA 1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement .....	10.41	
32 31 13 13-0747 EA 2" Heavy Duty Galvanized Tension Band With Bolt, Replacement .....	10.68	
32 31 13 13-0748 EA 2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement .....	10.56	
32 31 13 13-0749 EA 3" Heavy Duty Galvanized Tension Band With Bolt, Replacement .....	10.76	
32 31 13 13-0750 EA 3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement .....	10.93	
32 31 13 13-0751 EA 4" Heavy Duty Galvanized Tension Band With Bolt, Replacement .....	11.41	
32 31 13 13-0752 EA 6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement .....	14.89	
32 31 13 13-0753 EA 3" Gate Brace Or End Rail Clamp Replacement .....	16.82	
<b>32 31 13 13-0754</b>	<b>Removal And Reinstallation Of Chain Link Fences <small>(32 31 13 13)</small></b>	
	Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.	
32 31 13 13-0755 LF Removal And Reinstallation Of Chain Link Fence Up To 5' Height .....	18.69	
32 31 13 13-0756 LF Removal And Reinstallation Of Chain Link Fence 6' To 12' Height .....	28.03	
<b>32 31 13 13-0757</b>	<b>Ballfield Fencing <small>(32 31 13 13)</small></b>	
	See CSI section 32 31 13 13-0001 for auguring holes and concrete.	
<b>32 31 13 13-0758</b>	<b>Concrete Bases For Ballfield Poles, Cast In Place <small>(32 31 13 13-0757)</small></b>	
	Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill.	
32 31 13 13-0759 VLF 2-1/2" Diameter Concrete Base For Ballfield Poles .....	113.33	
32 31 13 13-0760 VLF 3" Diameter Concrete Base For Ballfield Poles .....	137.04	
32 31 13 13-0761 VLF 3-1/2" Diameter Concrete Base For Ballfield Poles .....	171.61	
32 31 13 13-0762 VLF 4" Diameter Concrete Base For Ballfield Poles .....	204.11	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
<b>32 31 13 13-0763</b>		<b>Ballfield Poles</b> <small>(32 31 13 13-0757)</small>		
32 31 13 13-0764	EA	20' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting..... Note: 10' above grade	7,460.99	615.24
32 31 13 13-0765	EA	25' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting..... Note: 15' above grade	9,254.69	769.05
32 31 13 13-0766	EA	30' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting..... Note: 20' above grade	10,633.43	922.86
32 31 13 13-0767	EA	40' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting..... Note: 30' above grade	14,307.74	1,076.67
32 31 13 13-0768	EA	50' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting..... Note: 40' above grade	19,190.12	1,230.48
32 31 13 13-0769	EA	60' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting..... Note: 50' above grade	21,443.74	1,384.29
<b>32 31 13 13-0770</b>		<b>Ballfield Nylon Netting</b> <small>(32 31 13 13-0757)</small>		
		Note: Excludes fastening clips and cabling See CSI section 05 15 00 00-0000 for cabling and accessories.		
32 31 13 13-0771	LF	10' High, #18 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	1.62	
32 31 13 13-0772	LF	10' High, #21 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	1.66	
32 31 13 13-0773	LF	10' High, #36 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	1.87	
32 31 13 13-0774	LF	10' High, #42 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	2.11	
32 31 13 13-0775	LF	10' High, #48 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	2.34	
32 31 13 13-0776	LF	10' High, #60 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	3.11	
32 31 13 13-0777	LF	10' High, #72 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	3.53	
32 31 13 13-0778	LF	10' High, #96 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	4.60	
<b>32 31 13 13-0779</b>		<b>Ballfield Chainlink Netting</b> <small>(32 31 13 13-0757)</small>		
		Note: Excludes fastening clips and cabling See CSI section 05 15 00 00-0000 for cabling and accessories.		
32 31 13 13-0780	SF	#9 Gauge Chain Link Fabric, 2' Mesh For Ballfield Netting.....	3.56	1.13
		For 13 Gauge Fabric, Deduct	-0.59	
		For 11 Gauge Fabric, Deduct	-0.33	
		For 6 Gauge Fabric, Add	1.04	
		For 1" Mesh Fabric, Add	0.98	
		For 1-3/4" Mesh Fabric, Add	0.39	
		For 2-1/8" Mesh Fabric, Deduct	-0.20	
		For 2-3/8" Mesh Fabric, Deduct	-0.26	
<b>32 31 13 13-0781</b>		<b>Ballfield Netting Accessories</b> <small>(32 31 13 13-0757)</small>		
32 31 13 13-0782	EA	Sliding Clip For Ballfield Netting.....	7.97	
32 31 13 13-0783	EA	1/4" Utility Spring Swing Clip For Ballfield Netting.....	3.57	
32 31 13 13-0784	EA	5/16" Utility Spring Swing Clip For Ballfield Netting.....	3.76	
32 31 13 13-0785	EA	3/8" Utility Spring Swing Clip For Ballfield Netting.....	4.04	
<b>32 31 13 33</b>		<b>Chain Link Backstops</b> <small>(32 31 13)</small>		
<b>32 31 13 33-0001</b>		<b>Regulation Baseball Backstop</b> <small>(32 31 13 33)</small>		
		See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0002	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized.....	12,715.88	1,794.55
32 31 13 33-0003	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized.....	18,436.01	2,392.73
32 31 13 33-0004	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized.....	23,618.68	2,791.52
32 31 13 33-0005	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	18,194.09	1,794.55
32 31 13 33-0006	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	26,633.14	2,392.73
32 31 13 33-0007	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	34,436.08	2,791.52
<b>32 31 13 33-0008</b>		<b>Regulation Softball Backstop</b> <small>(32 31 13 33)</small>		
		See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
<b>32 31 13 33-0009</b>		<b>14' High Softball Backstop</b> <small>(32 31 13 33-0008)</small>		
		Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0010	EA	14' Softball Backstop, Galvanized Regulation.....	10,906.86	1,961.25
32 31 13 33-0011	EA	14' Softball Backstop, Vinyl Coated Regulation.....	14,835.92	1,961.25
<b>32 31 13 33-0012</b>		<b>18' High Softball Backstop</b> <small>(32 31 13 33-0008)</small>		
		Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0013	EA	18' Softball Backstop, Galvanized Regulation.....	12,766.78	2,180.38
32 31 13 33-0014	EA	18' Softball Backstop Vinyl Coated Regulation.....	17,519.67	2,180.38
<b>32 31 13 33-0015</b>		<b>20' High Softball Backstop</b> <small>(32 31 13 33-0008)</small>		
		Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0016	EA	20' Softball Backstop, Galvanized Regulation.....	14,508.85	2,298.90
32 31 13 33-0017	EA	20' Softball Backstop, Vinyl Coated Regulation.....	20,149.01	2,298.90





<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 31 13 33-0018</b> <b>22' High Softball Backstop</b> <small>(32 31 13 33-0008)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0019    EA    22' Softball Backstop, Galvanized Regulation .....	16,769.17	2,368.26
32 31 13 33-0020    EA    22' Softball Backstop, Vinyl Coated Regulation .....	23,549.96	2,368.26
<b>32 31 13 33-0021</b> <b>24' High Softball Backstop</b> <small>(32 31 13 33-0008)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0022    EA    24' Softball Backstop, Galvanized Regulation .....	20,030.15	2,706.58
32 31 13 33-0023    EA    24' Softball Backstop, Vinyl Coated Regulation .....	28,458.62	2,706.58
<b>32 31 16</b> <b>Welded Wire Fences and Gates</b> <small>(32 31)</small>		
<b>32 31 16 00-0001</b> <b>Welded Wire Fence</b> <small>(32 31 16)</small>		
<b>32 31 16 00-0002</b> <b>12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh</b> <small>(32 31 16 00-0001)</small> Note: Posts 5' on center.		
32 31 16 00-0003    LF    3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5' .....	9.08	1.60
32 31 16 00-0004    LF    5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5' .....	9.89	1.60
<b>32 31 16 00-0005</b> <b>14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh</b> <small>(32 31 16 00-0001)</small> Note: Posts 5' on center.		
32 31 16 00-0006    LF    3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5' .....	8.91	1.60
32 31 16 00-0007    LF    5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5' .....	9.63	1.60
<b>32 31 19</b> <b>Decorative Metal Fences and Gates</b> <small>(32 31)</small> See CSI section 32 31 13 13-0001 for drilling and grouting.		
<b>32 31 19 00-0001</b> <b>Wrought Iron Fence</b> <small>(32 31 19)</small> Note: Factory primed.		
<b>32 31 19 00-0002</b> <b>Wrought Iron Fence, Verticals At &gt;2-1/2" To 3" On Center</b> <small>(32 31 19 00-0001)</small> Note: Factory primed.		
32 31 19 00-0003    LF    3' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	49.29	10.28
For Verticals Up To 2" On Center, Add	5.75	
For Verticals >2" To 2-1/2" On Center, Add	2.87	
For Verticals >3" To 4" On Center, Deduct	-2.87	
For Verticals >4" To 6" On Center, Deduct	-5.75	
32 31 19 00-0004    LF    4' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	63.34	13.08
For Verticals Up To 2" On Center, Add	7.62	
For Verticals >2" To 2-1/2" On Center, Add	3.81	
For Verticals >3" To 4" On Center, Deduct	-3.81	
For Verticals >4" To 6" On Center, Deduct	-7.62	
32 31 19 00-0005    LF    5' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	75.50	13.65
For Verticals Up To 2" On Center, Add	9.61	
For Verticals >2" To 2-1/2" On Center, Add	4.80	
For Verticals >3" To 4" On Center, Deduct	-4.80	
For Verticals >4" To 6" On Center, Deduct	-9.61	
32 31 19 00-0006    LF    6' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	91.43	16.44
For Verticals Up To 2" On Center, Add	11.69	
For Verticals >2" To 2-1/2" On Center, Add	5.85	
For Verticals >3" To 4" On Center, Deduct	-5.85	
For Verticals >4" To 6" On Center, Deduct	-11.69	
32 31 19 00-0007    LF    7' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	107.47	17.41
For Verticals Up To 2" On Center, Add	14.53	
For Verticals >2" To 2-1/2" On Center, Add	7.27	
For Verticals >3" To 4" On Center, Deduct	-7.27	
For Verticals >4" To 6" On Center, Deduct	-14.53	
32 31 19 00-0008    LF    8' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	123.50	18.32
For Verticals Up To 2" On Center, Add	17.37	
For Verticals >2" To 2-1/2" On Center, Add	8.69	
For Verticals >3" To 4" On Center, Deduct	-8.69	
For Verticals >4" To 6" On Center, Deduct	-17.37	
32 31 19 00-0009    LF    10' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	150.54	20.56
For Verticals Up To 2" On Center, Add	21.89	
For Verticals >2" To 2-1/2" On Center, Add	10.94	
For Verticals >3" To 4" On Center, Deduct	-10.94	
For Verticals >4" To 6" On Center, Deduct	-21.89	
32 31 19 00-0010    LF    12' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	178.12	23.36
For Verticals Up To 2" On Center, Add	26.28	
For Verticals >2" To 2-1/2" On Center, Add	13.14	
For Verticals >3" To 4" On Center, Deduct	-13.14	
For Verticals >4" To 6" On Center, Deduct	-26.28	
<b>32 31 19 00-0011</b> <b>Wrought Iron Gates</b> <small>(32 31 19 00-0001)</small> Note: Factory primed.		
<b>32 31 19 00-0012</b> <b>Single Wrought Iron Gates</b> <small>(32 31 19 00-0011)</small> Note: Factory primed.		
32 31 19 00-0013    LF    3' Single Wrought Iron Gate, Hardware And Associated Trim .....	60.80	12.52

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0014	LF	4' Single Wrought Iron Gate, Hardware And Associated Trim .....	79.80	15.51
32 31	19 00-0015	LF	5' Single Wrought Iron Gate, Hardware And Associated Trim .....	97.61	18.69
32 31	19 00-0016	LF	6' Single Wrought Iron Gate, Hardware And Associated Trim .....	118.69	22.43
32 31	19 00-0017	LF	8' Single Wrought Iron Gate, Hardware And Associated Trim .....	160.02	24.86
32 31	19 00-0018	LF	10' Single Wrought Iron Gate, Hardware And Associated Trim .....	194.13	27.47
32 31	19 00-0019	LF	12' Single Wrought Iron Gate, Hardware And Associated Trim .....	227.58	31.21
<b>32 31</b>	<b>19 00-0020</b>		<b>Double Wrought Iron Gates</b> (32 31 19 00-0011)		
			Note: Factory primed.		
32 31	19 00-0021	LF	3' Double Wrought Iron Gate, Hardware And Associated Trim .....	74.41	11.22
32 31	19 00-0022	LF	4' Double Wrought Iron Gate, Hardware And Associated Trim .....	97.75	14.01
32 31	19 00-0023	LF	5' Double Wrought Iron Gate, Hardware And Associated Trim .....	119.12	16.82
32 31	19 00-0024	LF	6' Double Wrought Iron Gate, Hardware And Associated Trim .....	144.44	20.18
32 31	19 00-0025	LF	8' Double Wrought Iron Gate, Hardware And Associated Trim .....	195.61	22.43
32 31	19 00-0026	LF	10' Double Wrought Iron Gate, Hardware And Associated Trim .....	237.70	24.67
32 31	19 00-0027	LF	12' Double Wrought Iron Gate, Hardware And Associated Trim .....	279.13	28.03
<b>32 31</b>	<b>19 00-0028</b>		<b>Repair Or Replace Wrought Iron Fence</b> (32 31 19 00-0001)		
32 31	19 00-0029	LF	Removal And Replacement Of Wrought Iron Picket .....	18.71	
32 31	19 00-0030	LF	Removal And Replacement Of Wrought Iron Post .....	28.08	
32 31	19 00-0031	EA	Straighten Wrought Iron Post .....	74.76	
<b>32 31</b>	<b>19 00-0032</b>		<b>Steel Tube Fence, Powder Coated</b> (32 31 19)		
			Note: Pickets are 3/4" square x 16 gauge.		
<b>32 31</b>	<b>19 00-0033</b>		<b>Steel Tube Fence, 2 Rail</b> (32 31 19 00-0032)		
32 31	19 00-0034	LF	3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	67.62	10.28
			For Verticals Up To 2" On Center, Add	9.50	
			For Verticals >2" To 2-1/2" On Center, Add	4.75	
			For Verticals >3" To 4" On Center, Deduct	-4.75	
			For Verticals >4" To 6" On Center, Deduct	-9.50	
			For Solid Pickets, Add	13.70	
			For Aluminum With Satin Finish, Add	11.22	
			For Third Rail, Add	3.56	
			For 1" Square x 14 Gauge Pickets, Add	11.87	
			For 3" Square Posts, Add	4.75	
32 31	19 00-0035	LF	3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	72.35	10.99
			For Verticals Up To 2" On Center, Add	10.07	
			For Verticals >2" To 2-1/2" On Center, Add	5.04	
			For Verticals >3" To 4" On Center, Deduct	-5.04	
			For Verticals >4" To 6" On Center, Deduct	-10.07	
			For Solid Pickets, Add	14.63	
			For Aluminum With Satin Finish, Add	11.81	
			For Third Rail, Add	3.78	
			For 1" Square x 14 Gauge Pickets, Add	12.59	
			For 3" Square Posts, Add	5.04	
32 31	19 00-0036	LF	4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	76.55	12.15
			For Verticals Up To 2" On Center, Add	10.55	
			For Verticals >2" To 2-1/2" On Center, Add	5.27	
			For Verticals >3" To 4" On Center, Deduct	-5.27	
			For Verticals >4" To 6" On Center, Deduct	-10.55	
			For Solid Pickets, Add	15.44	
			For Aluminum With Satin Finish, Add	12.25	
			For Third Rail, Add	3.96	
			For 1" Square x 14 Gauge Pickets, Add	13.19	
			For 3" Square Posts, Add	5.27	
32 31	19 00-0037	LF	5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	81.53	13.65
			For Verticals Up To 2" On Center, Add	10.81	
			For Verticals >2" To 2-1/2" On Center, Add	5.41	
			For Verticals >3" To 4" On Center, Deduct	-5.41	
			For Verticals >4" To 6" On Center, Deduct	-10.81	
			For Solid Pickets, Add	16.28	
			For Aluminum With Satin Finish, Add	12.10	
			For Third Rail, Add	4.05	
			For 1" Square x 14 Gauge Pickets, Add	13.52	
			For 3" Square Posts, Add	5.41	
32 31	19 00-0038	LF	6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	94.55	15.41
			For Verticals Up To 2" On Center, Add	12.74	
			For Verticals >2" To 2-1/2" On Center, Add	6.37	
			For Verticals >3" To 4" On Center, Deduct	-6.37	
			For Verticals >4" To 6" On Center, Deduct	-12.74	
			For Solid Pickets, Add	18.96	
			For Aluminum With Satin Finish, Add	14.49	
			For Third Rail, Add	4.78	
			For 1" Square x 14 Gauge Pickets, Add	15.93	
			For 3" Square Posts, Add	6.37	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0039	LF	7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	108.28	16.82
			<i>For Verticals Up To 2" On Center, Add</i>	14.93	
			<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	7.46	
			<i>For Verticals &gt;3" To 4" On Center, Deduct</i>	-7.46	
			<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-14.93	
			<i>For Solid Pickets, Add</i>	21.84	
			<i>For Aluminum With Satin Finish, Add</i>	17.35	
			<i>For Third Rail, Add</i>	5.60	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	18.66	
			<i>For 4" Square Posts, Add</i>	26.12	
32 31	19 00-0040	LF	8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	122.21	18.32
			<i>For Verticals Up To 2" On Center, Add</i>	17.12	
			<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	8.56	
			<i>For Verticals &gt;3" To 4" On Center, Deduct</i>	-8.56	
			<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-17.12	
			<i>For Solid Pickets, Add</i>	24.75	
			<i>For Aluminum With Satin Finish, Add</i>	20.18	
			<i>For Third Rail, Add</i>	6.42	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	21.40	
			<i>For 4" Square Posts, Add</i>	29.95	
32 31	19 00-0041	LF	9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	142.15	19.62
			<i>For Verticals Up To 2" On Center, Add</i>	20.58	
			<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	10.29	
			<i>For Verticals &gt;3" To 4" On Center, Deduct</i>	-10.29	
			<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-20.58	
			<i>For Solid Pickets, Add</i>	29.04	
			<i>For Aluminum With Satin Finish, Add</i>	24.98	
			<i>For Third Rail, Add</i>	7.72	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	25.73	
			<i>For 4" Square Posts, Add</i>	36.02	
32 31	19 00-0042	LF	10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	162.27	21.03
			<i>For Verticals Up To 2" On Center, Add</i>	24.04	
			<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	12.02	
			<i>For Verticals &gt;3" To 4" On Center, Deduct</i>	-12.02	
			<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-24.04	
			<i>For Solid Pickets, Add</i>	33.36	
			<i>For Aluminum With Satin Finish, Add</i>	29.76	
			<i>For Third Rail, Add</i>	9.02	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	30.06	
			<i>For 6" Square Posts, Add</i>	42.08	
32 31	19 00-0043	LF	12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	191.20	23.36
			<i>For Verticals Up To 2" On Center, Add</i>	28.89	
			<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	14.45	
			<i>For Verticals &gt;3" To 4" On Center, Deduct</i>	-14.45	
			<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-28.89	
			<i>For Solid Pickets, Add</i>	39.52	
			<i>For Aluminum With Satin Finish, Add</i>	36.33	
			<i>For Third Rail, Add</i>	10.84	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	36.12	
			<i>For 6" Square Posts, Add</i>	50.56	
32 31	19 00-0044	LF	14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	204.80	25.23
			<i>For Verticals Up To 2" On Center, Add</i>	30.87	
			<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	15.43	
			<i>For Verticals &gt;3" To 4" On Center, Deduct</i>	-15.43	
			<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-30.87	
			<i>For Solid Pickets, Add</i>	42.30	
			<i>For Aluminum With Satin Finish, Add</i>	38.73	
			<i>For Third Rail, Add</i>	11.58	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	38.59	
			<i>For 6" Square Posts, Add</i>	54.02	
32 31	19 00-0045		<b>Steel Tube Swing Gates</b> <small>(32 31 19 00-0032)</small>		
32 31	19 00-0046		<b>3' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31	19 00-0047	EA	3' Wide x 3' High Steel Tube Single Swing Gate .....	777.51	19.91
			<i>Note: Includes mounting hardware and associated trim.</i>		
			<i>For Solid Pickets, Add</i>	170.45	
			<i>For Aluminum With Satin Finish, Add</i>	206.34	
			<i>For Third Rail, Add</i>	53.83	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	71.77	
32 31	19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate .....	865.89	20.84
			<i>Note: Includes mounting hardware and associated trim.</i>		
			<i>For Solid Pickets, Add</i>	190.13	
			<i>For Aluminum With Satin Finish, Add</i>	231.59	
			<i>For Third Rail, Add</i>	60.25	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	80.33	
32 31	19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate .....	959.11	22.05
			<i>Note: Includes mounting hardware and associated trim.</i>		
			<i>For Solid Pickets, Add</i>	210.82	
			<i>For Aluminum With Satin Finish, Add</i>	257.88	
			<i>For Third Rail, Add</i>	66.96	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	89.28	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate.....	1,008.51	23.65
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	221.59	
			For Aluminum With Satin Finish, Add	270.59	
			For Third Rail, Add	70.31	
			For 1" Square x 14 Gauge Pickets, Add	93.75	
32 31	19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate.....	1,125.61	28.32
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	246.89	
			For Aluminum With Satin Finish, Add	299.42	
			For Third Rail, Add	78.04	
			For 1" Square x 14 Gauge Pickets, Add	104.06	
32 31	19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate.....	1,196.04	32.99
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	261.68	
			For Aluminum With Satin Finish, Add	314.24	
			For Third Rail, Add	82.27	
			For 1" Square x 14 Gauge Pickets, Add	109.70	
32 31	19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate.....	1,304.34	37.94
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	284.93	
			For Aluminum With Satin Finish, Add	340.00	
			For Third Rail, Add	89.28	
			For 1" Square x 14 Gauge Pickets, Add	119.03	
32 31	19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate.....	1,398.10	42.61
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	304.97	
			For Aluminum With Satin Finish, Add	361.82	
			For Third Rail, Add	95.26	
			For 1" Square x 14 Gauge Pickets, Add	127.01	
32 31	19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate.....	1,480.19	47.28
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	322.39	
			For Aluminum With Satin Finish, Add	380.14	
			For Third Rail, Add	100.36	
			For 1" Square x 14 Gauge Pickets, Add	133.82	
32 31	19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate.....	1,626.79	39.80
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	357.06	
			For Aluminum With Satin Finish, Add	434.21	
			For Third Rail, Add	113.04	
			For 1" Square x 14 Gauge Pickets, Add	150.72	
32 31	19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate.....	1,733.73	41.68
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	380.70	
			For Aluminum With Satin Finish, Add	463.77	
			For Third Rail, Add	120.64	
			For 1" Square x 14 Gauge Pickets, Add	160.85	
32 31	19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate.....	1,918.20	44.20
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	421.64	
			For Aluminum With Satin Finish, Add	515.75	
			For Third Rail, Add	133.91	
			For 1" Square x 14 Gauge Pickets, Add	178.55	
32 31	19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate.....	2,010.40	45.78
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	442.04	
			For Aluminum With Satin Finish, Add	541.31	
			For Third Rail, Add	140.48	
			For 1" Square x 14 Gauge Pickets, Add	187.30	
32 31	19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate.....	2,085.09	47.28
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	458.49	
			For Aluminum With Satin Finish, Add	561.61	
			For Third Rail, Add	145.73	
			For 1" Square x 14 Gauge Pickets, Add	194.31	
32 31	19 00-0061	EA	12' Wide x 3' High Steel Tube Double Swing Gate.....	2,344.58	56.63
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	514.78	
			For Aluminum With Satin Finish, Add	626.84	
			For Third Rail, Add	163.09	
			For 1" Square x 14 Gauge Pickets, Add	217.45	
32 31	19 00-0062	EA	14' Wide x 3' High Steel Tube Double Swing Gate.....	2,567.11	65.97
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	562.74	
			For Aluminum With Satin Finish, Add	680.99	
			For Third Rail, Add	177.68	
			For 1" Square x 14 Gauge Pickets, Add	236.90	
32 31	19 00-0063	EA	16' Wide x 3' High Steel Tube Double Swing Gate.....	2,752.62	75.97
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	602.24	
			For Aluminum With Satin Finish, Add	723.18	
			For Third Rail, Add	189.35	
			For 1" Square x 14 Gauge Pickets, Add	252.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0064 EA 18' Wide x 3' High Steel Tube Double Swing Gate.....	2,907.08	85.22
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	634.89	
<i>For Aluminum With Satin Finish, Add</i>	756.91	
<i>For Third Rail, Add</i>	198.83	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	265.10	
32 31 19 00-0065 EA 20' Wide x 3' High Steel Tube Double Swing Gate.....	3,032.36	94.56
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	660.98	
<i>For Aluminum With Satin Finish, Add</i>	781.87	
<i>For Third Rail, Add</i>	206.12	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	274.83	
<b>32 31 19 00-0066 4' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)</b>		
32 31 19 00-0067 EA 3' Wide x 4' High Steel Tube Single Swing Gate.....	899.42	18.69
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	197.64	
<i>For Aluminum With Satin Finish, Add</i>	241.44	
<i>For Third Rail, Add</i>	62.73	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	83.64	
32 31 19 00-0068 EA 3'-6" Wide x 4' High Steel Tube Single Swing Gate.....	973.73	21.77
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	214.18	
<i>For Aluminum With Satin Finish, Add</i>	262.68	
<i>For Third Rail, Add</i>	68.12	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	90.83	
32 31 19 00-0069 EA 4' Wide x 4' High Steel Tube Single Swing Gate.....	1,050.36	23.36
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	231.08	
<i>For Aluminum With Satin Finish, Add</i>	283.57	
<i>For Third Rail, Add</i>	73.52	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	98.03	
32 31 19 00-0070 EA 5' Wide x 4' High Steel Tube Single Swing Gate.....	1,113.39	24.86
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	244.91	
<i>For Aluminum With Satin Finish, Add</i>	300.38	
<i>For Third Rail, Add</i>	77.90	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	103.86	
32 31 19 00-0071 EA 6' Wide x 4' High Steel Tube Single Swing Gate.....	1,198.35	29.90
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	262.90	
<i>For Aluminum With Satin Finish, Add</i>	319.14	
<i>For Third Rail, Add</i>	83.15	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	110.87	
32 31 19 00-0072 EA 7' Wide x 4' High Steel Tube Single Swing Gate.....	1,314.45	34.85
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	287.90	
<i>For Aluminum With Satin Finish, Add</i>	347.24	
<i>For Third Rail, Add</i>	90.73	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	120.98	
32 31 19 00-0073 EA 8' Wide x 4' High Steel Tube Single Swing Gate.....	1,475.27	39.80
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	322.97	
<i>For Aluminum With Satin Finish, Add</i>	388.76	
<i>For Third Rail, Add</i>	101.67	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	135.57	
32 31 19 00-0074 EA 9' Wide x 4' High Steel Tube Single Swing Gate.....	1,632.22	44.85
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	357.16	
<i>For Aluminum With Satin Finish, Add</i>	429.11	
<i>For Third Rail, Add</i>	112.32	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	149.77	
32 31 19 00-0075 EA 10' Wide x 4' High Steel Tube Single Swing Gate.....	1,781.37	49.81
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	389.60	
<i>For Aluminum With Satin Finish, Add</i>	467.13	
<i>For Third Rail, Add</i>	122.39	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	163.19	
32 31 19 00-0076 EA 6' Wide x 4' High Steel Tube Double Swing Gate.....	1,798.85	42.05
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	395.28	
<i>For Aluminum With Satin Finish, Add</i>	482.89	
<i>For Third Rail, Add</i>	125.45	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	167.27	
32 31 19 00-0077 EA 7' Wide x 4' High Steel Tube Double Swing Gate.....	1,947.46	43.54
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	428.37	
<i>For Aluminum With Satin Finish, Add</i>	525.36	
<i>For Third Rail, Add</i>	136.25	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	181.66	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 19 00-0078	EA 8' Wide x 4' High Steel Tube Double Swing Gate .....	2,100.73	46.73
	Note: Includes mounting hardware and associated trim.		
	For Solid Pickets, Add	462.15	
	For Aluminum With Satin Finish, Add	567.14	
	For Third Rail, Add	147.04	
	For 1" Square x 14 Gauge Pickets, Add	196.06	
32 31 19 00-0079	EA 9' Wide x 4' High Steel Tube Double Swing Gate .....	2,222.10	48.21
	Note: Includes mounting hardware and associated trim.		
	For Solid Pickets, Add	489.11	
	For Aluminum With Satin Finish, Add	601.45	
	For Third Rail, Add	155.79	
	For 1" Square x 14 Gauge Pickets, Add	207.73	
32 31 19 00-0080	EA 10' Wide x 4' High Steel Tube Double Swing Gate .....	2,324.02	49.81
	Note: Includes mounting hardware and associated trim.		
	For Solid Pickets, Add	511.69	
	For Aluminum With Satin Finish, Add	629.93	
	For Third Rail, Add	163.09	
	For 1" Square x 14 Gauge Pickets, Add	217.45	
32 31 19 00-0081	EA 12' Wide x 4' High Steel Tube Double Swing Gate .....	2,635.96	59.71
	Note: Includes mounting hardware and associated trim.		
	For Solid Pickets, Add	579.63	
	For Aluminum With Satin Finish, Add	710.05	
	For Third Rail, Add	184.24	
	For 1" Square x 14 Gauge Pickets, Add	245.65	
32 31 19 00-0082	EA 14' Wide x 4' High Steel Tube Double Swing Gate .....	2,908.98	69.71
	Note: Includes mounting hardware and associated trim.		
	For Solid Pickets, Add	638.82	
	For Aluminum With Satin Finish, Add	778.50	
	For Third Rail, Add	202.47	
	For 1" Square x 14 Gauge Pickets, Add	269.97	
32 31 19 00-0083	EA 16' Wide x 4' High Steel Tube Double Swing Gate .....	3,145.05	79.62
	Note: Includes mounting hardware and associated trim.		
	For Solid Pickets, Add	689.69	
	For Aluminum With Satin Finish, Add	835.87	
	For Third Rail, Add	217.94	
	For 1" Square x 14 Gauge Pickets, Add	290.58	
32 31 19 00-0084	EA 18' Wide x 4' High Steel Tube Double Swing Gate .....	3,348.06	89.61
	Note: Includes mounting hardware and associated trim.		
	For Solid Pickets, Add	733.13	
	For Aluminum With Satin Finish, Add	883.31	
	For Third Rail, Add	230.92	
	For 1" Square x 14 Gauge Pickets, Add	307.89	
32 31 19 00-0085	EA 20' Wide x 4' High Steel Tube Double Swing Gate .....	3,519.95	99.61
	Note: Includes mounting hardware and associated trim.		
	For Solid Pickets, Add	769.56	
	For Aluminum With Satin Finish, Add	921.42	
	For Third Rail, Add	241.57	
	For 1" Square x 14 Gauge Pickets, Add	322.09	
<b>32 31 19 00-0086</b>	<b>5' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31 19 00-0087	EA 3' Wide x 5' High Steel Tube Single Swing Gate .....	979.56	21.77
	Note: Includes mounting hardware and associated trim.		
	For Solid Pickets, Add	215.50	
	For Aluminum With Satin Finish, Add	264.43	
	For Third Rail, Add	68.56	
	For 1" Square x 14 Gauge Pickets, Add	91.42	
32 31 19 00-0088	EA 3'-6" Wide x 5' High Steel Tube Single Swing Gate .....	1,032.86	23.36
	Note: Includes mounting hardware and associated trim.		
	For Solid Pickets, Add	227.14	
	For Aluminum With Satin Finish, Add	278.32	
	For Third Rail, Add	72.21	
	For 1" Square x 14 Gauge Pickets, Add	96.28	
32 31 19 00-0089	EA 4' Wide x 5' High Steel Tube Single Swing Gate .....	1,084.22	24.86
	Note: Includes mounting hardware and associated trim.		
	For Solid Pickets, Add	238.34	
	For Aluminum With Satin Finish, Add	291.62	
	For Third Rail, Add	75.71	
	For 1" Square x 14 Gauge Pickets, Add	100.95	
32 31 19 00-0090	EA 5' Wide x 5' High Steel Tube Single Swing Gate .....	1,158.91	26.44
	Note: Includes mounting hardware and associated trim.		
	For Solid Pickets, Add	254.80	
	For Aluminum With Satin Finish, Add	311.93	
	For Third Rail, Add	80.96	
	For 1" Square x 14 Gauge Pickets, Add	107.95	
32 31 19 00-0091	EA 6' Wide x 5' High Steel Tube Single Swing Gate .....	1,258.43	31.77
	Note: Includes mounting hardware and associated trim.		
	For Solid Pickets, Add	276.00	
	For Aluminum With Satin Finish, Add	334.64	
	For Third Rail, Add	87.23	
	For 1" Square x 14 Gauge Pickets, Add	116.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0092 EA 7' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,391.01  304.64 367.26 95.99 127.98	37.01
32 31 19 00-0093 EA 8' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,577.04  345.23 415.50 108.68 144.90	42.61
32 31 19 00-0094 EA 9' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,758.26  384.82 462.72 121.08 161.44	47.94
32 31 19 00-0095 EA 10' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,935.57  423.52 508.77 133.18 177.58	53.17
32 31 19 00-0096 EA 6' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,933.15  427.10 532.76 137.12 182.83	36.73
32 31 19 00-0097 EA 7' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,045.92  451.16 558.73 144.27 192.36	42.80
32 31 19 00-0098 EA 8' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,159.73  475.38 584.55 151.42 201.89	49.25
32 31 19 00-0099 EA 9' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,317.25  509.51 623.94 161.92 215.90	55.42
32 31 19 00-0100 EA 10' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,455.31  539.26 657.50 170.97 227.95	61.49
32 31 19 00-0101 EA 12' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,795.76  614.40 750.84 195.03 260.05	68.40
32 31 19 00-0102 EA 14' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,101.33  681.53 832.80 216.33 288.44	75.88
32 31 19 00-0103 EA 16' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,373.93  741.09 903.94 235.01 313.34	84.20
32 31 19 00-0104 EA 18' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,618.50  794.12 965.28 251.34 335.12	93.54
32 31 19 00-0105 EA 20' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,835.02  840.60 1,016.83 265.35 353.80	104.01

32 31 19 00-0106 6' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 19 00-0107	EA	3' Wide x 6' High Steel Tube Single Swing Gate.....		1,019.17	23.92
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		223.92	
		For Aluminum With Satin Finish, Add		273.37	
		For Third Rail, Add		71.04	
		For 1" Square x 14 Gauge Pickets, Add		94.72	
32 31 19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate.....		1,071.53	25.23
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		235.42	
		For Aluminum With Satin Finish, Add		287.40	
		For Third Rail, Add		74.69	
		For 1" Square x 14 Gauge Pickets, Add		99.58	
32 31 19 00-0109	EA	4' Wide x 6' High Steel Tube Single Swing Gate.....		1,124.55	26.63
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		247.02	
		For Aluminum With Satin Finish, Add		301.32	
		For Third Rail, Add		78.33	
		For 1" Square x 14 Gauge Pickets, Add		104.45	
32 31 19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate.....		1,189.80	28.32
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		261.33	
		For Aluminum With Satin Finish, Add		318.67	
		For Third Rail, Add		82.86	
		For 1" Square x 14 Gauge Pickets, Add		110.48	
32 31 19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate.....		1,333.97	34.20
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		292.43	
		For Aluminum With Satin Finish, Add		353.94	
		For Third Rail, Add		92.34	
		For 1" Square x 14 Gauge Pickets, Add		123.12	
32 31 19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate.....		1,487.88	40.18
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		325.73	
		For Aluminum With Satin Finish, Add		392.12	
		For Third Rail, Add		102.55	
		For 1" Square x 14 Gauge Pickets, Add		136.73	
32 31 19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate.....		1,660.30	45.78
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		363.27	
		For Aluminum With Satin Finish, Add		436.28	
		For Third Rail, Add		114.22	
		For 1" Square x 14 Gauge Pickets, Add		152.29	
32 31 19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate.....		1,825.88	51.68
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		399.19	
		For Aluminum With Satin Finish, Add		477.96	
		For Third Rail, Add		125.31	
		For 1" Square x 14 Gauge Pickets, Add		167.08	
32 31 19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate.....		2,028.39	57.56
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		443.42	
		For Aluminum With Satin Finish, Add		530.73	
		For Third Rail, Add		139.16	
		For 1" Square x 14 Gauge Pickets, Add		185.55	
32 31 19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate.....		2,007.50	39.62
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		443.21	
		For Aluminum With Satin Finish, Add		551.37	
		For Third Rail, Add		142.08	
		For 1" Square x 14 Gauge Pickets, Add		189.44	
32 31 19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate.....		2,124.28	46.44
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		468.02	
		For Aluminum With Satin Finish, Add		577.61	
		For Third Rail, Add		149.38	
		For 1" Square x 14 Gauge Pickets, Add		199.17	
32 31 19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate.....		2,240.03	52.89
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		492.67	
		For Aluminum With Satin Finish, Add		604.01	
		For Third Rail, Add		156.67	
		For 1" Square x 14 Gauge Pickets, Add		208.89	
32 31 19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate.....		2,380.15	59.71
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		522.74	
		For Aluminum With Satin Finish, Add		637.26	
		For Third Rail, Add		165.71	
		For 1" Square x 14 Gauge Pickets, Add		220.95	
32 31 19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate.....		2,601.96	66.53
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		571.18	
		For Aluminum With Satin Finish, Add		695.02	
		For Third Rail, Add		180.89	
		For 1" Square x 14 Gauge Pickets, Add		241.18	





<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,053.39 671.13 820.73 213.12 284.16	74.10
32 31	19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,194.76 701.09 852.04 221.88 295.83	82.79
32 31	19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,507.40 769.43 933.81 243.32 324.43	92.13
32 31	19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,793.96 831.67 1,006.36 262.58 350.10	102.51
32 31	19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	4,059.34 888.84 1,070.71 279.93 373.25	114.38
<b>32 31 19 00-0126 7' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)</b>					
32 31	19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,079.52 237.05 288.83 75.13 100.17	25.89
32 31	19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,134.19 249.05 303.38 78.92 105.22	27.29
32 31	19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,189.08 261.07 317.91 82.71 110.28	28.68
32 31	19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,244.03 273.11 332.42 86.50 115.34	30.18
32 31	19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,438.70 315.44 381.99 99.63 132.84	36.73
32 31	19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,616.87 354.12 427.03 111.59 148.79	42.99
32 31	19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,745.42 381.58 456.77 119.76 159.68	49.43
32 31	19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,892.49 413.27 492.48 129.39 172.52	55.69

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 19 00-0135	EA 10' Wide x 7' High Steel Tube Single Swing Gate.....	2,073.54	62.24
	Note: Includes mounting hardware and associated trim.		
	<i>For Solid Pickets, Add</i>	452.53	
	<i>For Aluminum With Satin Finish, Add</i>	537.96	
	<i>For Third Rail, Add</i>	141.50	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	188.67	
32 31 19 00-0136	EA 6' Wide x 7' High Steel Tube Double Swing Gate.....	2,124.64	42.42
	Note: Includes mounting hardware and associated trim.		
	<i>For Solid Pickets, Add</i>	468.95	
	<i>For Aluminum With Satin Finish, Add</i>	582.81	
	<i>For Third Rail, Add</i>	150.25	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	200.34	
32 31 19 00-0137	EA 7' Wide x 7' High Steel Tube Double Swing Gate.....	2,246.34	49.62
	Note: Includes mounting hardware and associated trim.		
	<i>For Solid Pickets, Add</i>	494.79	
	<i>For Aluminum With Satin Finish, Add</i>	610.07	
	<i>For Third Rail, Add</i>	157.84	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	210.45	
32 31 19 00-0138	EA 8' Wide x 7' High Steel Tube Double Swing Gate.....	2,369.07	57.19
	Note: Includes mounting hardware and associated trim.		
	<i>For Solid Pickets, Add</i>	520.78	
	<i>For Aluminum With Satin Finish, Add</i>	637.17	
	<i>For Third Rail, Add</i>	165.42	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	220.56	
32 31 19 00-0139	EA 9' Wide x 7' High Steel Tube Double Swing Gate.....	2,492.71	64.38
	Note: Includes mounting hardware and associated trim.		
	<i>For Solid Pickets, Add</i>	547.06	
	<i>For Aluminum With Satin Finish, Add</i>	665.02	
	<i>For Third Rail, Add</i>	173.15	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	230.87	
32 31 19 00-0140	EA 10' Wide x 7' High Steel Tube Double Swing Gate.....	2,807.99	71.95
	Note: Includes mounting hardware and associated trim.		
	<i>For Solid Pickets, Add</i>	616.38	
	<i>For Aluminum With Satin Finish, Add</i>	749.89	
	<i>For Third Rail, Add</i>	195.18	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	260.24	
32 31 19 00-0141	EA 12' Wide x 7' High Steel Tube Double Swing Gate.....	3,397.62	80.27
	Note: Includes mounting hardware and associated trim.		
	<i>For Solid Pickets, Add</i>	747.27	
	<i>For Aluminum With Satin Finish, Add</i>	916.14	
	<i>For Third Rail, Add</i>	237.63	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	316.84	
32 31 19 00-0142	EA 14' Wide x 7' High Steel Tube Double Swing Gate.....	3,355.35	89.99
	Note: Includes mounting hardware and associated trim.		
	<i>For Solid Pickets, Add</i>	735.68	
	<i>For Aluminum With Satin Finish, Add</i>	890.97	
	<i>For Third Rail, Add</i>	232.38	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	309.84	
32 31 19 00-0143	EA 16' Wide x 7' High Steel Tube Double Swing Gate.....	3,634.13	100.36
	Note: Includes mounting hardware and associated trim.		
	<i>For Solid Pickets, Add</i>	796.17	
	<i>For Aluminum With Satin Finish, Add</i>	961.18	
	<i>For Third Rail, Add</i>	251.05	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	334.73	
32 31 19 00-0144	EA 18' Wide x 7' High Steel Tube Double Swing Gate.....	3,967.59	112.23
	Note: Includes mounting hardware and associated trim.		
	<i>For Solid Pickets, Add</i>	868.65	
	<i>For Aluminum With Satin Finish, Add</i>	1,045.96	
	<i>For Third Rail, Add</i>	273.52	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	364.69	
32 31 19 00-0145	EA 20' Wide x 7' High Steel Tube Double Swing Gate.....	4,185.47	125.21
	Note: Includes mounting hardware and associated trim.		
	<i>For Solid Pickets, Add</i>	914.90	
	<i>For Aluminum With Satin Finish, Add</i>	1,094.67	
	<i>For Third Rail, Add</i>	287.08	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	382.78	
32 31 19 00-0146	8' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31 19 00-0147	EA 3' Wide x 8' High Steel Tube Single Swing Gate.....	1,173.30	28.03
	Note: Includes mounting hardware and associated trim.		
	<i>For Solid Pickets, Add</i>	257.69	
	<i>For Aluminum With Satin Finish, Add</i>	314.15	
	<i>For Third Rail, Add</i>	81.69	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	108.92	
32 31 19 00-0148	EA 3'-6" Wide x 8' High Steel Tube Single Swing Gate.....	1,230.49	29.53
	Note: Includes mounting hardware and associated trim.		
	<i>For Solid Pickets, Add</i>	270.20	
	<i>For Aluminum With Satin Finish, Add</i>	329.20	
	<i>For Third Rail, Add</i>	85.63	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	114.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0149 EA 4' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,291.56 283.59 345.42 89.86 119.81	31.11
32 31 19 00-0150 EA 5' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,345.11 294.83 356.64 93.07 124.09	34.67
32 31 19 00-0151 EA 6' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,592.05 349.38 424.63 110.57 147.43	39.25
32 31 19 00-0152 EA 7' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,769.99 387.60 467.08 122.10 162.80	47.28
32 31 19 00-0153 EA 8' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,845.88 402.92 479.33 126.04 168.05	55.04
32 31 19 00-0154 EA 9' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,977.16 430.63 507.78 134.06 178.75	63.17
32 31 19 00-0155 EA 10' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,090.90 454.40 530.98 140.77 187.69	71.29
32 31 19 00-0156 EA 6' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,309.86 510.00 634.67 163.53 218.03	45.32
32 31 19 00-0157 EA 7' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,445.50 538.52 663.34 171.69 228.93	54.66
32 31 19 00-0158 EA 8' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,578.18 566.45 691.58 179.72 239.62	63.64
32 31 19 00-0159 EA 9' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,688.55 589.27 712.66 185.99 247.99	73.07
32 31 19 00-0160 EA 10' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,125.66 685.62 831.77 216.77 289.03	82.42
32 31 19 00-0161 EA 12' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,900.39 857.70 1,050.78 272.64 363.52	92.79
32 31 19 00-0162 EA 14' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,556.99 777.89 932.50 244.34 325.79	104.66

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0163 EA 16' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> ..... <i>For Aluminum With Satin Finish, Add</i> ..... <i>For Third Rail, Add</i> ..... <i>For 1" Square x 14 Gauge Pickets, Add</i> .....	3,806.11 831.01 989.66 260.10 346.79	118.40
32 31 19 00-0164 EA 18' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> ..... <i>For Aluminum With Satin Finish, Add</i> ..... <i>For Third Rail, Add</i> ..... <i>For 1" Square x 14 Gauge Pickets, Add</i> .....	4,193.55 914.95 1,086.46 285.92 381.22	133.44
32 31 19 00-0165 EA 20' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> ..... <i>For Aluminum With Satin Finish, Add</i> ..... <i>For Third Rail, Add</i> ..... <i>For 1" Square x 14 Gauge Pickets, Add</i> .....	4,272.98 929.20 1,088.55 288.25 384.33	150.36
<b>32 31 19 00-0166 Replace Steel Tube Fence Pickets</b> <small>(32 31 19 00-0032)</small>		
32 31 19 00-0167 LF Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket ..... <i>For 1" Square x 14 Gauge Pickets, Add</i> .....	26.80 0.81	
<b>32 31 19 00-0168 Removal And Reinstallation Of Ornamental Fences</b> <small>(32 31 19)</small> Note: Including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0169 LF Removal And Reinstallation Of Ornamental Fence Up To 5' Height .....	42.05	
32 31 19 00-0170 LF Removal And Reinstallation Of Ornamental Fence, 6' Height.....	46.26	
32 31 19 00-0171 LF Removal And Reinstallation Of Ornamental Fence, 7' Height.....	50.46	
32 31 19 00-0172 LF Removal And Reinstallation Of Ornamental Fence, 8' Height.....	54.66	
32 31 19 00-0173 LF Removal And Reinstallation Of Ornamental Fence, 9' Height.....	58.87	
32 31 19 00-0174 LF Removal And Reinstallation Of Ornamental Fence, 10' Height.....	63.07	
32 31 19 00-0175 LF Removal And Reinstallation Of Ornamental Fence 12' Height.....	70.08	
<b>32 31 23 Plastic Fences and Gates</b> <small>(32 31)</small>		
<b>32 31 23 00-0001 Vinyl Fence</b> <small>(32 31 23)</small>		
<b>32 31 23 00-0002 Privacy Tongue And Groove Vinyl Fence</b> <small>(32 31 23 00-0001)</small> Note: With 1-1/2" x 5-1/2" top and bottom rails, 5" x 5" posts installed 7' centers. Post includes flat cap.		
32 31 23 00-0003 LF 3' High Privacy Tongue And Groove Vinyl Fence .....	53.22	5.45
32 31 23 00-0004 LF 4' High Privacy Tongue And Groove Vinyl Fence .....	59.60	6.54
32 31 23 00-0005 LF 5' High Privacy Tongue And Groove Vinyl Fence .....	66.52	7.62
32 31 23 00-0006 LF 6' High Privacy Tongue And Groove Vinyl Fence .....	73.29	8.72
<b>32 31 23 00-0007 Semi-Privacy 6" Picket Vinyl Fence</b> <small>(32 31 23 00-0001)</small> Note: With 1-1/2" x 5-1/2" top and bottom rails, 2" x 3-1/2" mid rail, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0008 LF 5' High Semi-Privacy 6" Picket Vinyl Fence .....	71.29	7.62
32 31 23 00-0009 LF 6' High Semi-Privacy 6" Picket Vinyl Fence .....	78.11	8.72
<b>32 31 23 00-0010 Picket Straight Top Vinyl Fence</b> <small>(32 31 23 00-0001)</small> Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0011 LF 3' High Picket Straight Top Vinyl Fence .....	49.01	5.45
32 31 23 00-0012 LF 4' High Picket Straight Top Vinyl Fence .....	55.61	6.54
32 31 23 00-0013 LF 5' High Picket Straight Top Vinyl Fence.....	63.74	7.62
32 31 23 00-0014 LF 6' High Picket Straight Top Vinyl Fence.....	70.56	8.72
<b>32 31 23 00-0015 Picket Scalloped Top Vinyl Fence</b> <small>(32 31 23 00-0001)</small> Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0016 LF 3' High Picket Scalloped Top Vinyl Fence.....	54.42	5.45
32 31 23 00-0017 LF 4' High Picket Scalloped Top Vinyl Fence.....	61.19	6.54
32 31 23 00-0018 LF 5' High Picket Scalloped Top Vinyl Fence.....	68.95	7.62
32 31 23 00-0019 LF 6' High Picket Scalloped Top Vinyl Fence.....	75.94	8.72
<b>32 31 23 00-0020 Post And Rail Vinyl Fence, Ranch Style</b> <small>(32 31 23 00-0001)</small> Note: With 1-1/2" x 5-1/2" rails, 5" x 5" posts installed 8' centers. Post includes flat cap.		
32 31 23 00-0021 LF 5' High, 2 Rail, Post And Rail Vinyl Fence .....	19.45	5.45
32 31 23 00-0022 LF 6-1/2' High, 3 Rail, Post And Rail Vinyl Fence .....	25.02	6.54
32 31 23 00-0023 LF 7' High, 4 Rail, Post And Rail Vinyl Fence .....	28.88	7.08
<b>32 31 23 00-0024 Post, Rails And Pickets (Traditional Style) Vinyl Fence</b> <small>(32 31 23 00-0001)</small> Note: With top and bottom 3" x 3" rails, 5" x 5" posts and 1-1/2" x 1-1/2" pickets. Post includes flat cap.		
32 31 23 00-0025 LF 3' High Rail And Picket Vinyl Fence, 72" On Center Posts .....	63.77	5.99



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0026 LF 4' High Rail And Picket Vinyl Fence, 72' On Center Posts .....	69.61	7.08
32 31 23 00-0027 LF 3' High Rail And Picket Vinyl Fence, 96' On Center Posts .....	60.19	5.45
32 31 23 00-0028 LF 4' High Rail And Picket Vinyl Fence, 96' On Center Posts .....	65.39	6.54
<b>32 31 23 00-0029 Vinyl Gates</b> <small>(32 31 23)</small>		
<b>32 31 23 00-0030 Gates For Privacy And Semi-Privacy Fences</b> <small>(32 31 23 00-0029)</small>		
Note: Includes hinges.		
<b>32 31 23 00-0031 3' High Gates For Privacy And Semi-Privacy Fences</b> <small>(32 31 23 00-0030)</small>		
32 31 23 00-0032 EA 3' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	589.57	54.48
For Self-Closing Hinge Set, Add		14.50
For Self-Closing Stainless Steel Hinge Set, Add		38.50
32 31 23 00-0033 EA 3' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	625.67	57.21
For Self-Closing Hinge Set, Add		14.50
For Self-Closing Stainless Steel Hinge Set, Add		38.50
32 31 23 00-0034 EA 3' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	686.84	59.93
For Self-Closing Hinge Set, Add		14.50
For Self-Closing Stainless Steel Hinge Set, Add		38.50
32 31 23 00-0035 EA 3' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	770.30	62.66
For Self-Closing Hinge Set, Add		14.50
For Self-Closing Stainless Steel Hinge Set, Add		38.50
<b>32 31 23 00-0036 4' High Gates For Privacy And Semi-Privacy Fences</b> <small>(32 31 23 00-0030)</small>		
32 31 23 00-0037 EA 4' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	625.67	57.21
For Self-Closing Hinge Set, Add		14.50
For Self-Closing Stainless Steel Hinge Set, Add		38.50
32 31 23 00-0038 EA 4' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	647.84	59.93
For Self-Closing Hinge Set, Add		14.50
For Self-Closing Stainless Steel Hinge Set, Add		38.50
32 31 23 00-0039 EA 4' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	720.15	62.66
For Self-Closing Hinge Set, Add		14.50
For Self-Closing Stainless Steel Hinge Set, Add		38.50
32 31 23 00-0040 EA 4' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	845.40	65.38
For Self-Closing Hinge Set, Add		14.50
For Self-Closing Stainless Steel Hinge Set, Add		38.50
<b>32 31 23 00-0041 5' High Gates For Privacy And Semi-Privacy Fences</b> <small>(32 31 23 00-0030)</small>		
32 31 23 00-0042 EA 5' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	647.84	59.93
For Self-Closing Hinge Set, Add		14.50
For Self-Closing Stainless Steel Hinge Set, Add		38.50
32 31 23 00-0043 EA 5' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	675.57	62.66
For Self-Closing Hinge Set, Add		14.50
For Self-Closing Stainless Steel Hinge Set, Add		38.50
32 31 23 00-0044 EA 5' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	775.75	65.38
For Self-Closing Hinge Set, Add		14.50
For Self-Closing Stainless Steel Hinge Set, Add		38.50
32 31 23 00-0045 EA 5' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	906.58	68.11
For Self-Closing Hinge Set, Add		14.50
For Self-Closing Stainless Steel Hinge Set, Add		38.50
<b>32 31 23 00-0046 6' High Gates For Privacy And Semi-Privacy Fences</b> <small>(32 31 23 00-0030)</small>		
32 31 23 00-0047 EA 6' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	681.02	65.38
For Self-Closing Hinge Set, Add		14.50
For Self-Closing Stainless Steel Hinge Set, Add		38.50
32 31 23 00-0048 EA 6' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	708.76	68.11
For Self-Closing Hinge Set, Add		14.50
For Self-Closing Stainless Steel Hinge Set, Add		38.50
32 31 23 00-0049 EA 6' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	856.30	70.83
For Self-Closing Hinge Set, Add		14.50
For Self-Closing Stainless Steel Hinge Set, Add		38.50
32 31 23 00-0050 EA 6' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	945.34	70.83
For Self-Closing Hinge Set, Add		14.50
For Self-Closing Stainless Steel Hinge Set, Add		38.50
<b>32 31 23 00-0051 Gates For Picket Fences</b> <small>(32 31 23 00-0029)</small>		
Note: Includes hinges.		
<b>32 31 23 00-0052 3' High Gates For Picket Fences</b> <small>(32 31 23 00-0051)</small>		
32 31 23 00-0053 EA 3' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	564.50	54.48
For Self-Closing Hinge Set, Add		14.50
For Self-Closing Stainless Steel Hinge Set, Add		38.50
32 31 23 00-0054 EA 3' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	586.66	57.21
For Self-Closing Hinge Set, Add		14.50
For Self-Closing Stainless Steel Hinge Set, Add		38.50
32 31 23 00-0055 EA 3' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	658.98	59.93
For Self-Closing Hinge Set, Add		14.50
For Self-Closing Stainless Steel Hinge Set, Add		38.50

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0056 EA 3' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	784.23	62.66
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0057 4' High Gates For Picket Fences (32 31 23 00-0051)</b>		
32 31 23 00-0058 EA 4' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	569.95	57.21
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0059 EA 4' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	592.11	59.93
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0060 EA 4' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	664.43	62.66
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0061 EA 4' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	789.68	65.38
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0062 5' High Gates For Picket Fences (32 31 23 00-0051)</b>		
32 31 23 00-0063 EA 5' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	592.11	59.93
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0064 EA 5' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	619.85	62.66
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0065 EA 5' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	720.03	65.38
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0066 EA 5' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	850.85	68.11
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0067 6' High Gates For Picket Fences (32 31 23 00-0051)</b>		
32 31 23 00-0068 EA 6' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	625.30	65.38
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0069 EA 6' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	653.04	68.11
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0070 EA 6' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	800.58	70.83
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0071 EA 6' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	889.62	73.56
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0072 Gates Accessories (32 31 23 00-0029)</b>		
32 31 23 00-0073 EA Gate Stop/Drop Rod.....	127.53	
32 31 23 00-0074 EA Latch Set.....	87.13	
32 31 23 00-0075 EA Stainless Steel Latch Set.....	127.53	
<b>32 31 26 Wire Fences and Gates (32 31)</b>		
<b>32 31 26 13 Wire Fences with Steel Posts (32 31 26)</b>		
<b>32 31 26 13-0001 Chicken Wire (32 31 26 13)</b>		
Note: Posts at 4'.		
32 31 26 13-0002 LF 4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4'.....	7.94	1.60
32 31 26 13-0003 LF 6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4'.....	8.58	1.60
<b>32 31 26 13-0004 Wire And Screen (32 31 26 13)</b>		
<b>32 31 26 13-0005 Wire And Screen For Partitions And Fences (32 31 26 13-0004)</b>		
Note: Excludes framing and post.		
<b>32 31 26 13-0006 Screen Wire (32 31 26 13-0005)</b>		
32 31 26 13-0007 LF Screen Wire, 48" Wide Rolls.....	12.76	1.10
<b>32 31 26 13-0008 Hog Wire (32 31 26 13-0005)</b>		
32 31 26 13-0009 SF 4" x 4" Hog Wire For Fencing.....	2.24	0.87
32 31 26 13-0010 SF 6" x 6" Hog Wire For Fencing.....	2.35	0.99
<b>32 31 26 13-0011 Non-Climb Horse Fence (32 31 26 13-0005)</b>		
32 31 26 13-0012 LF 4' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	10.24	3.52
32 31 26 13-0013 LF 5' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	13.16	4.39



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 26 13-0014 LF 6' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	16.53	5.26
<b>32 31 26 13-0015 Screen For Partitions And Ceilings</b> <small>(32 31 26 13-0004)</small> Note: Can be used to support insulation on walls and ceilings.		
32 31 26 13-0016 SF 1" Mesh Chicken Wire .....	2.14	0.62
<b>32 31 26 13-0017 Wicket Fence</b> <small>(32 31 26 13)</small>		
32 31 26 13-0018 LF Steel Wicket Fence, Painted.....	74.51	4.95
<b>32 31 29 Wood Fences and Gates</b> <small>(32 31)</small> See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
<b>32 31 29 00-0001 Basket Weave</b> <small>(32 31 29)</small> Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002 LF 6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post.....	39.50	3.19
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.31	
32 31 29 00-0003 LF 6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post.....	25.88	3.19
<i>For Fastening With Screws Instead Of Nails, Add</i>	1.65	
<b>32 31 29 00-0004 Board Fence</b> <small>(32 31 29)</small> Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005 LF Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence .....	26.05	3.19
<i>For 1" x 6" Boards, Deduct</i>	-2.66	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.28	
<i>For Fastening With Screws Instead Of Nails, Add</i>	1.67	
32 31 29 00-0006 LF Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence .....	29.04	3.19
<i>For 1" x 6" Boards, Deduct</i>	-2.90	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.55	
<i>For Fastening With Screws Instead Of Nails, Add</i>	1.85	
32 31 29 00-0007 LF Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence.....	32.58	3.19
<i>For 1" x 6" Boards, Deduct</i>	-3.11	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.76	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.04	
32 31 29 00-0008 LF Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence.....	34.85	3.19
<i>For 1" x 6" Boards, Deduct</i>	-3.27	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.94	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.17	
32 31 29 00-0009 LF Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence.....	37.30	3.19
<i>For 1" x 6" Boards, Deduct</i>	-3.44	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.13	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.31	
32 31 29 00-0010 LF Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence .....	27.96	3.19
<i>For 1" x 6" Boards, Deduct</i>	-2.74	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.34	
<i>For Fastening With Screws Instead Of Nails, Add</i>	1.77	
32 31 29 00-0011 LF Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence.....	30.52	3.19
<i>For 1" x 6" Boards, Deduct</i>	-2.96	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.60	
<i>For Fastening With Screws Instead Of Nails, Add</i>	1.92	
32 31 29 00-0012 LF Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence.....	32.58	3.19
<i>For 1" x 6" Boards, Deduct</i>	-3.11	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.76	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.04	
32 31 29 00-0013 LF Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence.....	34.85	3.19
<i>For 1" x 6" Boards, Deduct</i>	-3.27	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.94	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.17	
32 31 29 00-0014 LF Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence.....	37.30	3.19
<i>For 1" x 6" Boards, Deduct</i>	-3.44	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.13	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.31	
32 31 29 00-0015 LF Two 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar Board Fence .....	27.97	3.19
<i>For 1" x 6" Boards, Deduct</i>	-2.74	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.34	
<i>For Fastening With Screws Instead Of Nails, Add</i>	1.77	
32 31 29 00-0016 LF Two 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar Board Fence .....	37.05	3.19
<i>For 1" x 6" Boards, Deduct</i>	-3.22	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.79	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.25	
32 31 29 00-0017 LF Three 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar Board Fence.....	38.85	3.19
<i>For 1" x 6" Boards, Deduct</i>	-3.36	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.95	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.35	
32 31 29 00-0018 LF Three 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar Board Fence.....	41.86	3.19
<i>For 1" x 6" Boards, Deduct</i>	-3.55	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.15	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.52	
32 31 29 00-0019 LF Three 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar Board Fence.....	45.11	3.19
<i>For 1" x 6" Boards, Deduct</i>	-3.75	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.36	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.70	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0020			<b>Shadow Box</b> (32 31 29) Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021	LF		Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine ..... 53.54	53.54	3.19
			For Fastening With Screws Instead Of Nails, Add ..... 3.01		
32 31 29 00-0022	LF		Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar ..... 67.27	67.27	3.19
			For Fastening With Screws Instead Of Nails, Add ..... 3.76		
32 31 29 00-0023	LF		Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar ..... 73.30	73.30	3.19
			For Fastening With Screws Instead Of Nails, Add ..... 4.07		
32 31 29 00-0024	LF		Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar ..... 78.77	78.77	3.19
			For Fastening With Screws Instead Of Nails, Add ..... 4.38		
32 31 29 00-0025			<b>Open Rail Fence</b> (32 31 29)		
32 31 29 00-0026			<b>Post And Rail Fence, Ranch Style</b> (32 31 29 00-0025)		
32 31 29 00-0027	LF		Post And Rail Fence, 2 Rails, 3' High #1 Cedar ..... 25.83	25.83	3.19
32 31 29 00-0028	LF		Post And Rail Fence, 2 Rails, 3' High #2 Cedar ..... 19.94	19.94	3.19
32 31 29 00-0029	LF		Post And Rail Fence, 3 Rails, 4' High #1 Cedar ..... 30.73	30.73	3.19
32 31 29 00-0030	LF		Post And Rail Fence, 3 Rails, 4' High #2 Cedar ..... 21.55	21.55	3.19
32 31 29 00-0031			<b>Split Rail Fence</b> (32 31 29 00-0025)		
32 31 29 00-0032	LF		Split Rail Fence, 2 Rails, 3' High #1 Cedar ..... 24.31	24.31	3.19
32 31 29 00-0033	LF		Split Rail Fence, 2 Rails, 3' High #2 Cedar ..... 19.87	19.87	3.19
32 31 29 00-0034	LF		Split Rail Fence, 3 Rail, 4' High #1 Cedar ..... 27.84	27.84	3.19
32 31 29 00-0035	LF		Split Rail Fence, 3 Rail, 4' High #2 Cedar ..... 22.41	22.41	3.19
32 31 29 00-0036			<b>Picket Fence</b> (32 31 29)		
32 31 29 00-0037	LF		Picket Fence, 2 Rail, 3' High, Pressure Treated ..... 26.10	26.10	3.19
			For Fastening With Screws Instead Of Nails, Add ..... 1.69		
32 31 29 00-0038	LF		Picket Fence, 2 Rail, 3' High #1 Cedar ..... 24.56	24.56	3.19
			For Fastening With Screws Instead Of Nails, Add ..... 1.61		
32 31 29 00-0039			<b>Wood Fence Post Accessories</b> (32 31 29)		
32 31 29 00-0040	EA		3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap ..... 41.65	41.65	
32 31 29 00-0041	EA		4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap ..... 46.87	46.87	
32 31 29 00-0042	EA		6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap ..... 50.99	50.99	
32 31 29 00-0043	EA		8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap ..... 76.00	76.00	
32 31 29 00-0044			<b>Wood Gate</b> (32 31 29)		
32 31 29 00-0045			<b>Board Fence Gates, Pressure Treated Wood</b> (32 31 29 00-0044) Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0046	EA		3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 418.95	418.95	126.56
32 31 29 00-0047	EA		3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 463.99	463.99	134.15
32 31 29 00-0048	EA		3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 519.15	519.15	146.81
32 31 29 00-0049	EA		3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 590.73	590.73	154.40
32 31 29 00-0050	EA		3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 662.30	662.30	161.99
32 31 29 00-0051	EA		>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 533.12	533.12	167.06
32 31 29 00-0052	EA		>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 581.47	581.47	174.65
32 31 29 00-0053	EA		>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 629.82	629.82	182.24
32 31 29 00-0054	EA		>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 711.35	711.35	189.83
32 31 29 00-0055	EA		>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 776.28	776.28	197.43
32 31 29 00-0056			<b>Board Fence Gates, Grade 2 Cedar</b> (32 31 29 00-0044) Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0057	EA		3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 647.16	647.16	99.70
32 31 29 00-0058	EA		3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 669.08	669.08	105.68
32 31 29 00-0059	EA		3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 702.29	702.29	115.64
32 31 29 00-0060	EA		3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 740.78	740.78	121.63
32 31 29 00-0061	EA		3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 789.22	789.22	127.62
32 31 29 00-0062	EA		>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 760.72	760.72	131.60
32 31 29 00-0063	EA		>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 789.27	789.27	137.58
32 31 29 00-0064	EA		>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 834.40	834.40	143.56
32 31 29 00-0065	EA		>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 879.53	879.53	149.54
32 31 29 00-0066	EA		>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 924.66	924.66	155.53
32 31 29 00-0067			<b>Board Fence Gates, Grade 1 Cedar</b> (32 31 29 00-0044) Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0068	EA		3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 696.91	696.91	99.70
32 31 29 00-0069	EA		3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware ..... 725.46	725.46	105.68





<b>Exterior Improvements</b>		<b>32</b>
Site Improvements		32 30
Fences and Gates		32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0070 EA 3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	761.99	115.64
32 31 29 00-0071 EA 3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	807.12	121.63
32 31 29 00-0072 EA 3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	852.24	127.62
32 31 29 00-0073 EA >5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	827.06	131.60
32 31 29 00-0074 EA >5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	855.61	137.58
32 31 29 00-0075 EA >5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	900.74	143.56
32 31 29 00-0076 EA >5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	945.87	149.54
32 31 29 00-0077 EA >5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	1,007.58	155.53
<b>32 31 29 00-0078 Pressure Treated Wood Fence Posts</b> <small>(32 31 29)</small>		
See CSI section 32 31 13 13-0001 for drilling augering, 32 31 56 00-0017 for barbed wire.		
32 31 29 00-0079 EA 4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill.....	39.80	12.66
32 31 29 00-0080 EA 6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill.....	45.05	12.66
32 31 29 00-0081 EA 4' High, Pressure Treated Wood Fence Posts, Set In Concrete .....	69.82	24.30
32 31 29 00-0082 EA 6' High, Pressure Treated Wood Fence Posts, Set In Concrete .....	75.79	24.30
<b>32 31 29 00-0083 Wood Utility Pole Fence</b> <small>(32 31 29)</small>		
Note: Excludes post holes. See CSI section 32 31 13 13-0001 for drilling augering and backfill.		
32 31 29 00-0084 LF Wood Utility Pole Barrier Fence.....	49.42	3.19
Note: Includes notching post, drilling and pinned with #5 rebar.		
<b>32 31 29 00-0085 Wood Rail Fence</b> <small>(32 31 29)</small>		
Note: 3" diameter treated lodgepole pine rails, 6" diameter treated lodgepole pine post. Posts at 8' centers. Excludes post holes and fill		
32 31 29 00-0086 LF 4' Above Ground Wood Rail Fence, 3 - 3" Diameter Treated Lodgepole Pine Rails, 6" Diameter, 6' Overall Treated Lodgepole Pine Post .....	25.22	3.19
<b>32 31 34 Tubular Barrier Gates</b> <small>(32 31)</small>		
<b>32 31 34 00-0001 Tube Gate</b> <small>(32 31 34)</small>		
See CSI section 32 31 13 13-0001 for augering post holes and concrete fill, 32 31 13 13-0630 for gate accessories.		
<b>32 31 34 00-0002 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate</b> <small>(32 31 34 00-0001)</small>		
Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering, concrete, bollard and chain.		
32 31 34 00-0003 EA 4' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate .....	189.73	25.23
For 13 Gauge Tubing, Add	30.47	
For Galvanized Finish, Add	17.25	
32 31 34 00-0004 EA 6' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate .....	246.61	32.70
For 13 Gauge Tubing, Add	39.51	
For Galvanized Finish, Add	22.28	
32 31 34 00-0005 EA 8' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate .....	332.60	42.05
For 13 Gauge Tubing, Add	53.91	
For Galvanized Finish, Add	30.97	
32 31 34 00-0006 EA 10' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate .....	383.93	52.33
For 13 Gauge Tubing, Add	60.90	
For Galvanized Finish, Add	33.76	
32 31 34 00-0007 EA 12' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate .....	455.43	62.24
For 13 Gauge Tubing, Add	72.40	
For Galvanized Finish, Add	40.28	
32 31 34 00-0008 EA 14' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate .....	497.41	70.08
For 13 Gauge Tubing, Add	78.46	
For Galvanized Finish, Add	43.07	
32 31 34 00-0009 EA 16' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate .....	583.93	80.83
For 13 Gauge Tubing, Add	92.49	
For Galvanized Finish, Add	51.15	
<b>32 31 34 00-0010 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate</b> <small>(32 31 34 00-0001)</small>		
Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.		
32 31 34 00-0011 EA 4' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	247.35	25.23
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	69.04	
32 31 34 00-0012 EA 6' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	296.18	32.70
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	79.23	
32 31 34 00-0013 EA 8' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	354.17	42.05
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	91.21	
32 31 34 00-0014 EA 10' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	408.50	52.33
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	99.86	
32 31 34 00-0015 EA 12' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	463.47	62.24
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	110.63	
32 31 34 00-0016 EA 14' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	513.53	70.08
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	121.31	
32 31 34 00-0017 EA 16' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	573.85	80.83
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	132.36	
32 31 34 00-0018 EA 18' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	659.26	90.97
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	153.44	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 34 00-0019	EA		20' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	733.74 181.36	101.76
<b>32 31 34 00-0020</b>			<b>33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate</b> (32 31 34 00-0001) Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.		
32 31 34 00-0021	EA		4' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	267.57 77.12	25.23
32 31 34 00-0022	EA		6' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	316.06 87.18	32.70
32 31 34 00-0023	EA		8' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	367.65 96.60	42.05
32 31 34 00-0024	EA		10' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	428.16 107.72	52.33
32 31 34 00-0025	EA		12' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	477.68 116.32	62.24
32 31 34 00-0026	EA		14' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	546.70 134.58	70.08
32 31 34 00-0027	EA		16' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	609.87 146.76	80.83
32 31 34 00-0028	EA		18' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	714.23 175.42	90.97
32 31 34 00-0029	EA		20' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	783.17 201.13	101.76
<b>32 31 34 00-0030</b>			<b>Tubular Steel Barrier Gate (Triangular Shape)</b> (32 31 34 00-0001) Note: Includes posts, caps, welded hinges and lock keeper. Excludes augering, concrete, and bollards.		
32 31 34 00-0031	EA		4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	1,925.47 622.99	52.33
32 31 34 00-0032	EA		4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	2,091.72 668.46	62.24
32 31 34 00-0033	EA		4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	2,471.68 801.76	70.08
32 31 34 00-0034	EA		4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	2,007.00 655.32	52.33
32 31 34 00-0035	EA		4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	2,184.91 705.42	62.24
32 31 34 00-0036	EA		4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	2,564.87 838.71	70.08
<b>32 31 34 00-0037</b>			<b>Four Rail Tube Gate, 1-1/2" Diameter Welded Galvanized Steel Tubing</b> (32 31 34 00-0001) Note: Excludes augering holes and concrete.		
32 31 34 00-0038	EA		4' Four Rail Metal Frame Tube Gate, 1-1/2" Diameter Welded Galvanized Steel With Posts ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	429.99 37.44	25.23
<b>32 31 34 00-0039</b>			<b>Tubular Horse Gate</b> (32 31 34 00-0001) Note: Includes posts, caps and hardware. Treated with Natina (or Equal) galvanized surface stain "rustic brown finish". Excludes augering holes and concrete.		
32 31 34 00-0040	EA		5-1/2' Above Ground, 5' Wide Tubular Galvanized Steel Horse Gate With 3" Diameter Posts ..... <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	3,533.97 1,058.50	25.23
<b>32 31 34 00-0041</b>			<b>Pipe Gate</b> (32 31 34) Note: Excludes augering and concrete. See CSI section 32 31 13 13-0001 for augering post holes and concrete fill.		
32 31 34 00-0042	EA		20' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier).....	3,792.41	
32 31 34 00-0043	EA		25' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier).....	4,745.58	
32 31 34 00-0044	EA		30' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier).....	5,656.97	
<b>32 31 41 Precast Concrete Fences</b> (32 31)					
<b>32 31 41 00-0001</b>			<b>Precast Post And Rail Fence, Ranch Style, With Integral Color Concrete.</b> (32 31 41) Note: Includes post holes, fill, spreading of excess material on site. See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 41 00-0002	LF		Precast Post And Rail Fence With Integral Color Concrete, 2 Rails, 3' Above Ground With 2' Bury ..... Note: Includes 12" diameter holes with concrete fill for line posts and 18" diameter holes with concrete fill at corners.	62.94	3.19
<b>32 31 56 Wild Life Deterrent Fence</b> (32 31)					
<b>32 31 56 00-0001</b>			<b>Barbed Wire Fences</b> (32 31 56) Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
<b>32 31 56 00-0002</b>			<b>Fence Posts</b> (32 31 56 00-0001)		
<b>32 31 56 00-0003</b>			<b>Fence Post Soil, Set In Concrete</b> (32 31 56 00-0002)		



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 56 00-0004	EA		Barbed Wire Fence Post, Galvanized Set In Concrete In Soil ..... <i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	101.76 164.64	7.48
32 31 56 00-0005	EA		Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil ..... <i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	138.49 225.98	7.48
<b>32 31 56 00-0006</b>			<b>Post In Rock</b> <small>(32 31 56 00-0002)</small>		
32 31 56 00-0007	EA		Barbed Wire Fence Post, Galvanized Grouted In Rock ..... <i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	100.12 162.18	7.48
32 31 56 00-0008	EA		Barbed Wire Fence Post, Vinyl Coated Grouted In Rock ..... <i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	136.85 223.52	7.48
<b>32 31 56 00-0009</b>			<b>Studded Steel T-Posts, Enamel Paint Finish</b> <small>(32 31 56 00-0001)</small> Note: Posts for barb wire, chain link or welded wire mesh.		
32 31 56 00-0010	EA		5' Studded Steel T-Post, Driven Into Earth .....	23.81	
32 31 56 00-0011	EA		5'-6" Studded Steel T-Post, Driven Into Earth .....	24.38	
32 31 56 00-0012	EA		6' Studded Steel T-Post, Driven Into Earth .....	25.53	
32 31 56 00-0013	EA		6'-6" Studded Steel T-Post, Driven Into Earth .....	26.67	
32 31 56 00-0014	EA		7' Studded Steel T-Post, Driven Into Earth .....	28.20	
32 31 56 00-0015	EA		8' Studded Steel T-Post, Driven Into Earth .....	31.84	
32 31 56 00-0016	EA		10' Studded Steel T-Post, Driven Into Earth .....	39.05	
<b>32 31 56 00-0017</b>			<b>Barbed Wire</b> <small>(32 31 56 00-0001)</small> Note: Per strand.		
32 31 56 00-0018	LF		Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand .....	0.83	0.38
32 31 56 00-0019	LF		Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand .....	0.98	0.38
<b>32 31 56 00-0020</b>			<b>Barbed Wire Fence, Farm Style, With Wood Posts</b> <small>(32 31 56 00-0001)</small> Note: Based on post at 10' centers, two corner post and two pull post per 300 lf. Note: Posts at 10' maximum.		
32 31 56 00-0021	LF		4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts .....	10.89	2.43
<b>32 32 Retaining Walls</b>			<small>(32 30)</small>		
<b>32 32 13</b>			<b>Cast-In-Place Concrete Retaining Wall</b> <small>(32 32)</small> Note: System includes all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.		
32 32 13 00-0001	LF		4' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	341.06 7.36	127.26
32 32 13 00-0002	LF		6' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	425.14 9.51	156.59
32 32 13 00-0003	LF		8' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	462.83 10.63	168.91
32 32 13 00-0004	LF		10' High With Base, 13" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	588.60 14.53	208.85
32 32 13 00-0005	LF		12' High With Base, 14" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	678.25 16.86	239.90
32 32 13 00-0006	LF		16' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	981.92 23.64	351.93
32 32 13 00-0007	LF		20' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,348.40 32.01	485.87
32 32 13 00-0008	LF		4' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	374.67 8.22	138.98
32 32 13 00-0009	LF		6' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	458.20 10.49	167.46
32 32 13 00-0010	LF		8' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	484.78 11.50	174.73
32 32 13 00-0011	LF		10' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	665.95 16.79	234.17
32 32 13 00-0012	LF		12' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	844.98 20.69	300.79
32 32 13 00-0013	LF		16' High With Base, 21" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,267.79 30.26	455.93
32 32 13 00-0014	LF		20' High With Base, 24" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,789.27 42.68	643.58
<b>32 32 16</b>			<b>Precast Concrete Retaining Walls</b> <small>(32 32)</small>		
<b>32 32 16 00-0001</b>			<b>Precast Retaining Walls</b> <small>(32 32 16)</small> Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.		
32 32 16 00-0002	SF		10-15' High, Tied-back, Precast Concrete Retaining Walls .....	89.33	12.75
32 32 16 00-0003	SF		16-20' High, Tied-back, Precast Concrete Retaining Walls .....	91.81	10.24
32 32 16 00-0004	SF		21-25' High, Tied-back, Precast Concrete Retaining Walls .....	95.28	8.54
32 32 16 00-0005	SF		26-30' High, Tied-back, Precast Concrete Retaining Walls .....	103.05	8.54
32 32 16 00-0006	SF		>30' High, Tied-back, Precast Concrete Retaining Walls .....	109.06	7.28

**32 Exterior Improvements****32 30 Site Improvements****32 32 Retaining Walls**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 32 23 Segmental Retaining Walls (32 32)****32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls (32 32 23)****32 32 23 13-0001 Modular Retaining Wall Systems (32 32 23 13)**

Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.

**32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems (32 32 23 13-0001)**

32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System.....	60.46	8.64
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.67	
32 32 23 13-0004	SF	4 To 8' Height "Amastone" Type Modular Retaining Wall System .....	63.78	9.09
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.88	
32 32 23 13-0005	SF	8 To 12' Height "Amastone" Type Modular Retaining Wall System .....	66.63	10.00
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.96	
32 32 23 13-0006	SF	12 To 16' Height "Amastone" Type Modular Retaining Wall System .....	69.65	10.91
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.06	

**32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems (32 32 23 13-0001)**

32 32 23 13-0008	SF	Up To 4' Height "Diamond" Type Modular Retaining Wall System .....	62.72	8.64
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.86	
32 32 23 13-0009	SF	4 To 8' Height "Diamond" Type Modular Retaining Wall System .....	66.04	9.09
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.07	
32 32 23 13-0010	SF	8 To 12' Height "Diamond" Type Modular Retaining Wall System .....	68.89	10.00
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.16	
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System .....	71.91	10.91
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.26	

**32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)**

32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System.....	68.11	8.64
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.32	
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System .....	71.43	9.09
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.53	
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System .....	74.28	10.00
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.61	
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System .....	77.30	10.91
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.71	

**32 32 23 13-0017 "Criblock" Type Modular Retaining Wall Systems (32 32 23 13-0001)**

32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System.....	60.46	8.64
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.67	
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0019	SF	4 To 8' Height "Criblock" Type Modular Retaining Wall System .....	63.78	9.09
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.88	
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0020	SF	8 To 12' Height "Criblock" Type Modular Retaining Wall System .....	66.63	10.00
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.96	
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0021	SF	12 To 16' Height "Criblock" Type Modular Retaining Wall System .....	69.65	10.91
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.06	
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	

**32 32 23 13-0022 "Versa-Lok" Type Modular Retaining Wall Systems (32 32 23 13-0001)**

32 32 23 13-0023	SF	Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System .....	53.61	8.64
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.09	
32 32 23 13-0024	SF	4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System .....	59.19	9.09
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.49	
32 32 23 13-0025	SF	8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System .....	62.08	10.00
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.58	
32 32 23 13-0026	SF	12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System .....	64.67	10.91
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.64	

**32 32 23 13-0027 Retaining Wall Cap Block Restoration (32 32 23 13-0001)**

Note: Includes removal of existing cap block and installation of new cap block to match.

32 32 23 13-0028	LF	Removal And Reinstall Retaining Wall Cap Block And Pins .....	31.09	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	1.60	

**32 32 26 Metal Crib Retaining Walls (32 32)****32 32 26 00-0001 Bin Type Retaining Wall (32 32 26)****32 32 26 00-0002 Vertical Bin Walls (32 32 26 00-0001)**

Note: Excludes excavation and backfill.

32 32 26 00-0003	SF	5.5' Vertical Bin Retaining Wall, Wall Heights To 11' .....	69.57	
32 32 26 00-0004	SF	7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33'.....	82.52	
32 32 26 00-0005	SF	9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67'.....	96.16	
32 32 26 00-0006	SF	12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67' .....	103.93	



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Retaining Walls	32 32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 26 00-0007 SF 14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	116.07	
32 32 26 00-0008 SF 16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	123.84	
<b>32 32 26 00-0009 Battered Bin Walls</b> (32 32 26 00-0001) Note: Excludes excavation and backfill.		
32 32 26 00-0010 SF 5.5' Battered Bin Retain Wall, Wall Heights To 11'	61.76	
32 32 26 00-0011 SF 7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33'	66.94	
32 32 26 00-0012 SF 9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67'	75.31	
32 32 26 00-0013 SF 12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67'	84.38	
32 32 26 00-0014 SF 14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	98.74	
32 32 26 00-0015 SF 16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	101.33	
<b>32 32 26 00-0016 Aluminized Steel Bin</b> (32 32 26) Note: Excludes excavation and backfill.		
32 32 26 00-0017 SF 4' High, 5.5' Deep Aluminized Steel Bin	45.50	4.70
For >3:1 Sloped Soil At Top, Add	3.07	
For Galvanized Type, Deduct	-3.61	
32 32 26 00-0018 SF 8' High, 5.5' Deep Aluminized Steel Bin	51.08	4.70
For >3:1 Sloped Soil At Top, Add	3.54	
For Galvanized Type, Deduct	-4.16	
32 32 26 00-0019 SF 10' High, 7.7' Deep Aluminized Steel Bin	54.54	5.13
For >3:1 Sloped Soil At Top, Add	3.77	
For Galvanized Type, Deduct	-4.43	
32 32 26 00-0020 SF 12' High, 7.7' Deep Aluminized Steel Bin	62.14	5.79
For >3:1 Sloped Soil At Top, Add	4.30	
For Galvanized Type, Deduct	-5.06	
32 32 26 00-0021 SF 16' High, 7.7' Deep Aluminized Steel Bin	59.74	6.01
For >3:1 Sloped Soil At Top, Add	4.07	
For Galvanized Type, Deduct	-4.78	
32 32 26 00-0022 SF 16' High, 9.9' Deep Aluminized Steel Bin	66.73	6.11
For >3:1 Sloped Soil At Top, Add	4.64	
For Galvanized Type, Deduct	-5.46	
32 32 26 00-0023 SF 20' High, 9.9' Deep Aluminized Steel Bin	74.09	6.44
For >3:1 Sloped Soil At Top, Add	5.19	
For Galvanized Type, Deduct	-6.11	
32 32 26 00-0024 SF 20' High, 12.1' Deep Aluminized Steel Bin	75.84	6.77
For >3:1 Sloped Soil At Top, Add	5.30	
For Galvanized Type, Deduct	-6.24	
32 32 26 00-0025 SF 24' High, 12.1' Deep Aluminized Steel Bin	79.86	6.77
For >3:1 Sloped Soil At Top, Add	5.64	
For Galvanized Type, Deduct	-6.63	
32 32 26 00-0026 SF 24' High, 14.3' Deep Aluminized Steel Bin	83.86	6.88
For >3:1 Sloped Soil At Top, Add	5.97	
For Galvanized Type, Deduct	-7.02	
32 32 26 00-0027 SF 28' High, 14.3' Deep Aluminized Steel Bin	86.70	6.99
For >3:1 Sloped Soil At Top, Add	6.19	
For Galvanized Type, Deduct	-7.28	
<b>32 32 29 Timber Retaining Walls</b> (32 32)		
<b>32 32 29 00-0001 Wood Post Retaining Walls</b> (32 32 29) Note: System includes wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0002 LF 4" x 4", 1' High, Redwood, Wood Post Retaining Walls	93.88	27.50
For >3:1 Sloped Soil At Top, Add	3.31	
32 32 29 00-0003 LF 4" x 4", 2' High, Redwood, Wood Post Retaining Walls	183.61	53.84
For >3:1 Sloped Soil At Top, Add	6.46	
32 32 29 00-0004 LF 4" x 4", 1' High, Cedar, Wood Post Retaining Walls	88.90	27.50
For >3:1 Sloped Soil At Top, Add	2.89	
32 32 29 00-0005 LF 4" x 4", 2' High, Cedar, Wood Post Retaining Walls	173.94	53.84
For >3:1 Sloped Soil At Top, Add	5.64	
32 32 29 00-0006 LF 4" x 4", 1' High, Pressure Treated Lumber, Wood Post Retaining Walls	78.83	24.02
For >3:1 Sloped Soil At Top, Add	2.61	
32 32 29 00-0007 LF 4" x 4", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	154.32	46.99
For >3:1 Sloped Soil At Top, Add	5.12	
32 32 29 00-0008 LF 4" x 4", 1' High, Creosoted Lumber, Wood Post Retaining Walls	75.56	21.32
For >3:1 Sloped Soil At Top, Add	2.80	
32 32 29 00-0009 LF 4" x 4", 2' High, Creosoted Lumber, Wood Post Retaining Walls	136.61	38.59
For >3:1 Sloped Soil At Top, Add	5.05	
32 32 29 00-0010 LF 6" x 6", 2' High, Redwood, Wood Post Retaining Walls	257.57	65.23
For >3:1 Sloped Soil At Top, Add	10.81	
32 32 29 00-0011 LF 6" x 6", 4' High, Redwood, Wood Post Retaining Walls	509.86	127.84
For >3:1 Sloped Soil At Top, Add	21.61	
32 32 29 00-0012 LF 6" x 6", 2' High, Cedar, Wood Post Retaining Walls	252.05	65.23
For >3:1 Sloped Soil At Top, Add	10.34	
32 32 29 00-0013 LF 6" x 6", 4' High, Cedar, Wood Post Retaining Walls	496.04	127.84
For >3:1 Sloped Soil At Top, Add	20.44	
32 32 29 00-0014 LF 6" x 6", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	203.79	52.98
For >3:1 Sloped Soil At Top, Add	8.31	
32 32 29 00-0015 LF 6" x 6", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	404.87	104.59
For >3:1 Sloped Soil At Top, Add	16.63	

**32 Exterior Improvements****32 30 Site Improvements****32 32 Retaining Walls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0016	LF	6" x 6", 2' High, Creosoted Lumber, Wood Post Retaining Walls.....	180.15	42.36	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	8.10		
32 32 29 00-0017	LF	6" x 6", 4' High, Creosoted Lumber, Wood Post Retaining Walls.....	355.07	82.89	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	16.09		
32 32 29 00-0018	LF	8" x 8", 4' High, Redwood, Wood Post Retaining Walls.....	661.40	141.35	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	32.18		
32 32 29 00-0019	LF	8" x 8", 6' High, Redwood, Wood Post Retaining Walls.....	1,238.01	263.90	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	60.37		
32 32 29 00-0020	LF	8" x 8", 4' High, Cedar, Wood Post Retaining Walls.....	633.76	141.35	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	29.84		
32 32 29 00-0021	LF	8" x 8", 6' High, Cedar, Wood Post Retaining Walls.....	1,185.50	263.90	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	55.91		
32 32 29 00-0022	LF	8" x 8", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls.....	558.17	163.07	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	19.72		
32 32 29 00-0023	LF	8" x 8", 6' High, Pressure Treated Lumber, Wood Post Retaining Walls.....	1,041.24	304.51	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	36.74		
32 32 29 00-0024	LF	8" x 8", 4' High, Creosoted Lumber, Wood Post Retaining Walls.....	491.59	131.80	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	19.38		
32 32 29 00-0025	LF	8" x 8", 6' High, Creosoted Lumber, Wood Post Retaining Walls.....	911.77	244.49	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	35.94		
32 32 29 00-0026	LF	4' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls.....	177.81	54.32	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.87		
32 32 29 00-0027	LF	6' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls.....	265.35	81.53	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	8.69		
32 32 29 00-0028	LF	8' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls.....	352.78	108.64	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	11.51		
32 32 29 00-0029	LF	4' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls.....	129.14	30.69	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.76		
32 32 29 00-0030	LF	6' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls.....	188.10	44.28	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	8.46		
32 32 29 00-0031	LF	8' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls.....	255.01	59.82	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	11.51		
<b>32 32 29 00-0032</b>		<b>Post And Board Retaining Walls <sup>(32 32 29)</sup></b>			
		Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.			
32 32 29 00-0033	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	82.78	16.30	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.26		
32 32 29 00-0034	LF	4" x 4" Post, 2' Spacing, 4' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	123.43	27.88	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.76		
32 32 29 00-0035	LF	6" x 6" Post, 4' Spacing, 5' High 2" Planking, Redwood, Post And Board Retaining Walls.....	164.66	34.64	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	8.10		
32 32 29 00-0036	LF	6" x 6" Post, 3' Spacing, 6' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	229.41	49.11	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	11.16		
32 32 29 00-0037	LF	6" x 6" With Deadman, 3' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	300.47	63.87	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	14.68		
32 32 29 00-0038	LF	8" x 8" Post, 2' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	623.13	126.39	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	31.48		
32 32 29 00-0039	LF	8" x 8" With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	708.33	140.00	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	36.41		
32 32 29 00-0040	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Cedar, Post And Board Retaining Walls.....	83.44	16.99	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.20		
32 32 29 00-0041	LF	4" x 4" With Deadman, 2' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls.....	146.03	30.20	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	7.28		
32 32 29 00-0042	LF	6" x 6" Post, 4' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls.....	143.55	29.62	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	7.17		
32 32 29 00-0043	LF	6" x 6" Post, 3' Spacing, 5' High 2" Planking, Cedar, Post And Board Retaining Walls.....	199.78	42.55	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	9.75		
32 32 29 00-0044	LF	6" x 6" Post, 2' Spacing, 6' High 2" Planking, Cedar, Post And Board Retaining Walls.....	308.65	67.93	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	14.68		
32 32 29 00-0045	LF	6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar.....	246.70	52.20	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	12.10		
32 32 29 00-0046	LF	8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar.....	645.03	130.45	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	32.65		
32 32 29 00-0047	LF	4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated.....	91.11	31.36	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	2.41		
32 32 29 00-0048	LF	4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated.....	132.98	44.58	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.72		
32 32 29 00-0049	LF	4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat.....	198.29	61.18	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.46		
32 32 29 00-0050	LF	6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated.....	354.39	103.24	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	12.57		
32 32 29 00-0051	LF	6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated.....	361.30	103.24	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	13.16		
32 32 29 00-0052	LF	6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat.....	336.61	99.19	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	11.75		
32 32 29 00-0053	LF	8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated.....	799.02	228.19	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	29.13		
32 32 29 00-0054	LF	4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking.....	91.11	31.36	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	2.41		
32 32 29 00-0055	LF	4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking.....	132.98	44.58	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.72		



<b>Exterior Improvements</b>	<b>32</b>
Site Improvements	32 30
Retaining Walls	32 32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0056 LF 4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking.....	198.29	61.18
For >3:1 Sloped Soil At Top, Add	6.46	
32 32 29 00-0057 LF 6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking.....	250.30	76.13
For >3:1 Sloped Soil At Top, Add	8.34	
32 32 29 00-0058 LF 6" x 6" Post, 2' Spacing, 7' High, 2" Planking, Creosoted, Post And Board Retaining Walls.....	354.39	103.24
For >3:1 Sloped Soil At Top, Add	12.57	
32 32 29 00-0059 LF 6" x 6" Post With Deadman, 3' Spacing, 8' High, 2" Planking, Creosoted, Post And Board Retaining Walls.....	336.61	99.19
For >3:1 Sloped Soil At Top, Add	11.75	
32 32 29 00-0060 LF 8" x 8" Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking, Post And Board Retaining Walls.....	799.02	228.19
For >3:1 Sloped Soil At Top, Add	29.13	
<b>32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4'</b> <small>(32 32 29)</small>		
Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.		
<b>32 32 29 00-0062 Redwood</b> <small>(32 32 29 00-0061)</small>		
32 32 29 00-0063 LF 2' High, 6" x 6" Wood Tie Wall.....	133.19	33.39
For >3:1 Sloped Soil At Top, Add	5.64	
32 32 29 00-0064 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	304.20	76.13
For >3:1 Sloped Soil At Top, Add	12.92	
32 32 29 00-0065 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	454.98	114.14
For >3:1 Sloped Soil At Top, Add	19.26	
32 32 29 00-0066 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	458.21	97.84
For >3:1 Sloped Soil At Top, Add	22.32	
32 32 29 00-0067 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	688.82	146.76
For >3:1 Sloped Soil At Top, Add	33.59	
32 32 29 00-0068 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	911.02	192.98
For >3:1 Sloped Soil At Top, Add	44.64	
<b>32 32 29 00-0069 Cedar</b> <small>(32 32 29 00-0061)</small>		
32 32 29 00-0070 LF 2' High, 6" x 6" Wood Tie Wall.....	130.43	33.39
For >3:1 Sloped Soil At Top, Add	5.40	
32 32 29 00-0071 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	295.91	76.13
For >3:1 Sloped Soil At Top, Add	12.22	
32 32 29 00-0072 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	443.92	114.14
For >3:1 Sloped Soil At Top, Add	18.32	
32 32 29 00-0073 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	438.86	97.84
For >3:1 Sloped Soil At Top, Add	20.67	
32 32 29 00-0074 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	661.18	146.76
For >3:1 Sloped Soil At Top, Add	31.24	
32 32 29 00-0075 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	872.33	192.98
For >3:1 Sloped Soil At Top, Add	41.35	
<b>32 32 29 00-0076 Creosoted Wood</b> <small>(32 32 29 00-0061)</small>		
32 32 29 00-0077 LF 2' High, 6" x 8" Wood Tie Wall.....	135.72	44.28
For >3:1 Sloped Soil At Top, Add	4.01	
32 32 29 00-0078 LF 4' High, 6" x 8" Wood Tie Wall Deadman At 6'.....	310.26	101.89
For >3:1 Sloped Soil At Top, Add	9.04	
32 32 29 00-0079 LF 6' High, 6" x 8" Wood Tie Wall Deadman At 6'.....	460.56	150.81
For >3:1 Sloped Soil At Top, Add	13.51	
32 32 29 00-0080 LF 4' High, 7" x 9" Wood Tie Wall Deadman At 6'.....	623.14	205.13
For >3:1 Sloped Soil At Top, Add	18.09	
32 32 29 00-0081 LF 6' High, 7" x 9" Wood Tie Wall Deadman At 6'.....	907.17	298.82
For >3:1 Sloped Soil At Top, Add	26.31	
32 32 29 00-0082 LF 8' High, 7" x 9" Wood Tie Wall Deadman At 6'.....	1,204.19	396.18
For >3:1 Sloped Soil At Top, Add	35.00	
<b>32 32 29 00-0083 Pressure Treated Wood</b> <small>(32 32 29 00-0061)</small>		
32 32 29 00-0084 LF 2' High, 6" x 6" Wood Tie Wall.....	117.50	27.59
For >3:1 Sloped Soil At Top, Add	5.30	
32 32 29 00-0085 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	267.35	62.52
For >3:1 Sloped Soil At Top, Add	12.10	
32 32 29 00-0086 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	400.33	93.79
For >3:1 Sloped Soil At Top, Add	18.09	
32 32 29 00-0087 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	420.35	112.80
For >3:1 Sloped Soil At Top, Add	16.56	
32 32 29 00-0088 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	632.76	168.57
For >3:1 Sloped Soil At Top, Add	25.14	
32 32 29 00-0089 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	837.91	224.14
For >3:1 Sloped Soil At Top, Add	33.12	
<b>32 32 53 Stone Retaining Walls</b> <small>(32 32)</small>		
<b>32 32 53 00-0001 Stone Retaining Walls</b> <small>(32 32 53)</small>		
Note: Construction is either dry set or mortar set. System includes concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.		

**32 Exterior Improvements****32 30 Site Improvements****32 32 Retaining Walls**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0002			<b>Stone Retaining Walls</b> (32 32 53 00-0001) Note: Stone at \$16.00/ton.		
32 32 53 00-0003	LF		\$16.00/ton 3' High Stone Retaining Wall, Dry Set.....	456.59	204.71
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.00	
32 32 53 00-0004	LF		\$16.00/ton 4' High Stone Retaining Wall, Dry Set.....	538.60	243.54
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.37	
32 32 53 00-0005	LF		\$16.00/ton 6' High Stone Retaining Wall, Dry Set.....	707.34	323.57
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.12	
32 32 53 00-0006	LF		\$16.00/ton 8' High Stone Retaining Wall, Dry Set.....	1,089.63	505.90
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.61	
32 32 53 00-0007	LF		\$16.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,415.61	661.78
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	7.82	
32 32 53 00-0008	LF		\$16.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,756.69	824.11
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	9.22	
32 32 53 00-0009	LF		\$16.00/ton 3' High Stone Retaining Wall, Mortar Set.....	409.57	181.24
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.00	
32 32 53 00-0010	LF		\$16.00/ton 4' High Stone Retaining Wall, Mortar Set.....	480.39	214.44
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.37	
32 32 53 00-0011	LF		\$16.00/ton 6' High Stone Retaining Wall, Mortar Set.....	621.43	280.55
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.12	
32 32 53 00-0012	LF		\$16.00/ton 8' High Stone Retaining Wall, Mortar Set.....	951.35	436.79
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.61	
32 32 53 00-0013	LF		\$16.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,221.63	564.84
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	7.82	
32 32 53 00-0014	LF		\$16.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,517.42	704.52
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	9.22	
32 32 53 00-0015			<b>Stone Retaining Walls</b> (32 32 53 00-0001) Note: Stone at \$32.00/ton.		
32 32 53 00-0016	LF		\$32.00/ton 3' High Stone Retaining Wall, Dry Set.....	470.83	204.71
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.21	
32 32 53 00-0017	LF		\$32.00/ton 4' High Stone Retaining Wall, Dry Set.....	558.32	243.54
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.05	
32 32 53 00-0018	LF		\$32.00/ton 6' High Stone Retaining Wall, Dry Set.....	735.81	323.57
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	7.54	
32 32 53 00-0019	LF		\$32.00/ton 8' High Stone Retaining Wall, Dry Set.....	1,131.25	505.90
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	10.15	
32 32 53 00-0020	LF		\$32.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,472.56	661.78
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	12.66	
32 32 53 00-0021	LF		\$32.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,828.98	824.11
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	15.36	
32 32 53 00-0022	LF		\$32.00/ton 3' High Stone Retaining Wall, Mortar Set.....	423.81	181.24
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.21	
32 32 53 00-0023	LF		\$32.00/ton 4' High Stone Retaining Wall, Mortar Set.....	500.11	214.44
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.05	
32 32 53 00-0024	LF		\$32.00/ton 6' High Stone Retaining Wall, Mortar Set.....	649.90	280.55
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	7.54	
32 32 53 00-0025	LF		\$32.00/ton 8' High Stone Retaining Wall, Mortar Set.....	992.97	436.79
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	10.15	
32 32 53 00-0026	LF		\$32.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,278.58	564.84
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	12.66	
32 32 53 00-0027	LF		\$32.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,589.71	704.52
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	15.36	
32 32 53 00-0028			<b>Stone Retaining Walls</b> (32 32 53 00-0001) Note: Stone at \$48.00/ton.		
32 32 53 00-0029	LF		\$48.00/ton 3' High Stone Retaining Wall, Dry Set.....	486.16	204.71
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.52	
32 32 53 00-0030	LF		\$48.00/ton 4' High Stone Retaining Wall, Dry Set.....	577.81	243.54
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	7.71	
32 32 53 00-0031	LF		\$48.00/ton 6' High Stone Retaining Wall, Dry Set.....	763.19	323.57
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	9.87	
32 32 53 00-0032	LF		\$48.00/ton 8' High Stone Retaining Wall, Dry Set.....	1,172.86	505.90
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	13.68	
32 32 53 00-0033	LF		\$48.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,529.51	661.78
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	17.50	
32 32 53 00-0034	LF		\$48.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,902.35	824.11
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	21.60	
32 32 53 00-0035	LF		\$48.00/ton 3' High Stone Retaining Wall, Mortar Set.....	439.14	181.24
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.52	
32 32 53 00-0036	LF		\$48.00/ton 4' High Stone Retaining Wall, Mortar Set.....	519.82	214.44
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	7.73	
32 32 53 00-0037	LF		\$48.00/ton 6' High Stone Retaining Wall, Mortar Set.....	677.28	280.55
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	9.87	
32 32 53 00-0038	LF		\$48.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,034.58	436.79
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	13.68	
32 32 53 00-0039	LF		\$48.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,335.53	564.84
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	17.50	
32 32 53 00-0040	LF		\$48.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,663.08	704.52
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	21.60	





<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Retaining Walls	32 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 32 53 00-0041 Stone Retaining Walls</b> <small>(32 32 53 00-0001)</small>		
Note: Stone at \$64.00/ton.		
32 32 53 00-0042 LF \$64.00/ton 3' High Stone Retaining Wall, Dry Set .....	501.50	204.71
For >3:1 Sloped Soil At Top, Add .....	7.82	
32 32 53 00-0043 LF \$64.00/ton 4' High Stone Retaining Wall, Dry Set .....	575.84	243.54
For >3:1 Sloped Soil At Top, Add .....	7.54	
32 32 53 00-0044 LF \$64.00/ton 6' High Stone Retaining Wall, Dry Set .....	792.76	323.57
For >3:1 Sloped Soil At Top, Add .....	12.38	
32 32 53 00-0045 LF \$64.00/ton 8' High Stone Retaining Wall, Dry Set .....	1,216.67	505.90
For >3:1 Sloped Soil At Top, Add .....	17.41	
32 32 53 00-0046 LF \$64.00/ton 10' High Stone Retaining Wall, Dry Set .....	1,588.65	661.78
For >3:1 Sloped Soil At Top, Add .....	22.53	
32 32 53 00-0047 LF \$64.00/ton 12' High Stone Retaining Wall, Dry Set .....	1,976.83	824.11
For >3:1 Sloped Soil At Top, Add .....	27.93	
32 32 53 00-0048 LF \$64.00/ton 3' High Stone Retaining Wall, Mortar Set.....	454.48	181.24
For >3:1 Sloped Soil At Top, Add .....	7.82	
32 32 53 00-0049 LF \$64.00/ton 4' High Stone Retaining Wall, Mortar Set.....	539.53	214.44
For >3:1 Sloped Soil At Top, Add .....	9.40	
32 32 53 00-0050 LF \$64.00/ton 6' High Stone Retaining Wall, Mortar Set.....	706.85	280.55
For >3:1 Sloped Soil At Top, Add .....	12.38	
32 32 53 00-0051 LF \$64.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,078.39	436.79
For >3:1 Sloped Soil At Top, Add .....	17.41	
32 32 53 00-0052 LF \$64.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,394.67	564.84
For >3:1 Sloped Soil At Top, Add .....	22.53	
32 32 53 00-0053 LF \$64.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,737.56	704.52
For >3:1 Sloped Soil At Top, Add .....	27.93	
<b>32 33 Site Furnishings</b> <small>(32 30)</small>		
<b>32 33 13 Site Bicycle Racks</b> <small>(32 33)</small>		
<b>32 33 13 00-0001 Bicycle Organizer And Rack</b> <small>(32 33 13)</small>		
<b>32 33 13 00-0002 Vertical Style Bike Racks Single/Double Sided, Galvanized</b> <small>(32 33 13 00-0001)</small>		
<b>32 33 13 00-0003 Double Sided</b> <small>(32 33 13 00-0002)</small>		
32 33 13 00-0004 EA 5' Galvanized Steel Double Sided Bike Rack, 9 Bikes.....	680.52	111.69
32 33 13 00-0005 EA 10' Galvanized Steel Double Sided Bike Rack, 18 Bikes.....	1,024.62	183.49
32 33 13 00-0006 EA 20' Galvanized Steel Double Sided Bike Rack, 36 Bikes.....	1,769.34	279.23
<b>32 33 13 00-0007 Single Sided</b> <small>(32 33 13 00-0002)</small>		
32 33 13 00-0008 EA 5' Galvanized Steel Single Sided Bike Rack, 5 Bikes.....	595.57	99.72
32 33 13 00-0009 EA 10' Galvanized Steel Single Sided Bike Rack, 9 Bikes.....	839.87	165.94
32 33 13 00-0010 EA 20' Galvanized Steel Single Sided Bike Rack, 18 Bikes.....	1,442.80	249.31
<b>32 33 13 00-0011 Anchor Set For Vertical Style Bike Rack</b> <small>(32 33 13 00-0002)</small>		
32 33 13 00-0012 PR Anchor Set For Vertical Style Bike Rack.....	113.59	
Note: Anchoring frame to ground.		
<b>32 33 13 00-0013 Bike Racks Ground Loop</b> <small>(32 33 13 00-0001)</small>		
Note: In-ground mount.		
32 33 13 00-0014 EA 83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes.....	891.12	195.70
<b>32 33 13 00-0015 Serpentine Bike Racks</b> <small>(32 33 13 00-0001)</small>		
Note: In-ground mount.		
<b>32 33 13 00-0016 Galvanized, 36" High, 2-3/8" OD Tubing</b> <small>(32 33 13 00-0015)</small>		
32 33 13 00-0017 EA 1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized .....	490.39	119.67
32 33 13 00-0018 EA 3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized .....	671.55	129.64
32 33 13 00-0019 EA 5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized .....	852.72	139.62
32 33 13 00-0020 EA 7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized.....	1,056.92	149.59
32 33 13 00-0021 EA 9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized.....	1,261.12	159.55
32 33 13 00-0022 EA 11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized.....	1,373.20	169.53
<b>32 33 13 00-0023 Galvanized, 42" High, 2-3/8" OD Tubing</b> <small>(32 33 13 00-0015)</small>		
32 33 13 00-0024 EA 1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized.....	557.91	119.67
32 33 13 00-0025 EA 3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized.....	720.23	129.64
32 33 13 00-0026 EA 5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized.....	882.56	139.62
32 33 13 00-0027 EA 7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized.....	1,027.08	149.59
32 33 13 00-0028 EA 9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized.....	1,189.41	159.55
32 33 13 00-0029 EA 11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized.....	1,387.33	169.53
32 33 13 00-0030 EA 13' x 42" High Serpentine Bike Rack, 15 Bikes, Galvanized.....	1,638.63	199.45
32 33 13 00-0031 EA 15' x 42" High Serpentine Bike Rack, 17 Bikes, Galvanized.....	1,907.74	189.48
32 33 13 00-0032 EA 17' x 42" High Serpentine Bike Rack, 19 Bikes, Galvanized.....	2,159.05	199.45

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0033			<b>Powder Coated, 36" High, 2-3/8" OD Tubing</b> (32 33 13 00-0015)		
32 33 13 00-0034	EA		1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated .....	490.39	119.67
32 33 13 00-0035	EA		3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated .....	671.55	129.64
32 33 13 00-0036	EA		5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated .....	852.72	139.62
32 33 13 00-0037	EA		7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated .....	1,056.92	149.59
32 33 13 00-0038	EA		9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated .....	1,261.12	159.55
32 33 13 00-0039	EA		11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated .....	1,373.20	169.53
32 33 13 00-0040			<b>Powder Coated, 42" High, 2-3/8" OD Tubing</b> (32 33 13 00-0015)		
32 33 13 00-0041	EA		1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated .....	575.71	119.67
32 33 13 00-0042	EA		3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated .....	755.82	129.64
32 33 13 00-0043	EA		5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated .....	918.15	139.62
32 33 13 00-0044	EA		7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated .....	1,116.07	149.59
32 33 13 00-0045	EA		9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated .....	1,278.39	159.55
32 33 13 00-0046	EA		11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated .....	1,494.11	169.53
32 33 13 00-0047	EA		13' x 42" High Serpentine Bike Rack, 15 Bikes, Powder Coated .....	1,781.00	199.45
32 33 13 00-0048	EA		15' x 42" High Serpentine Bike Rack, 17 Bikes, Powder Coated .....	2,067.91	189.48
32 33 13 00-0049	EA		17' x 42" High Serpentine Bike Rack, 19 Bikes, Powder Coated .....	2,337.03	199.45
32 33 13 00-0050			<b>Stainless Steel, 36" High, 2-3/8" OD Tubing</b> (32 33 13 00-0015)		
32 33 13 00-0051	EA		1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel .....	944.09	119.67
32 33 13 00-0052	EA		3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel .....	1,416.61	129.64
32 33 13 00-0053	EA		5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel .....	1,889.15	139.62
32 33 13 00-0054	EA		7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel .....	2,426.35	149.59
32 33 13 00-0055	EA		9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel .....	2,963.53	159.55
32 33 13 00-0056	EA		11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel .....	3,242.10	169.53
32 33 13 00-0057			<b>Stainless Steel, 42" High, 2-3/8" OD Tubing</b> (32 33 13 00-0015)		
32 33 13 00-0058	EA		1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel .....	735.88	119.67
32 33 13 00-0059	EA		3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel .....	1,645.69	129.64
32 33 13 00-0060	EA		5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel .....	2,163.96	139.62
32 33 13 00-0061	EA		7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel .....	2,646.63	149.59
32 33 13 00-0062	EA		9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel .....	3,147.11	159.55
32 33 13 00-0063	EA		11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel .....	3,665.39	169.53
32 33 13 00-0064	EA		13' x 42" High Serpentine Bike Rack, 15 Bikes, Stainless Steel .....	4,112.45	199.45
32 33 13 00-0065	EA		15' x 42" High Serpentine Bike Rack, 17 Bikes, Stainless Steel .....	4,737.51	189.48
32 33 13 00-0066	EA		17' x 42" High Serpentine Bike Rack, 19 Bikes, Stainless Steel .....	5,344.77	199.45
32 33 13 00-0067			<b>Bike Racks Bollards/Bicycle Posts</b> (32 33 13 00-0001)		
			Note: In-ground mount.		
32 33 13 00-0068	EA		43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOLA50-2R-IG-G).....	578.25	89.76
<b>32 33 23</b>			<b>Site Trash and Litter Receptacles</b> (32 33)		
32 33 23 00-0001			<b>Steel Trash Containment</b> (32 33 23)		
32 33 23 00-0002			<b>Steel Frame Surrounded With Kiln-Dried Wood</b> (32 33 23 00-0001)		
32 33 23 00-0003	EA		13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood .....	499.11	47.61
32 33 23 00-0004	EA		24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood .....	475.97	47.61
32 33 23 00-0005	EA		21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood .....	475.97	47.61
32 33 23 00-0006	EA		24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood .....	449.94	47.61
32 33 23 00-0007	EA		18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood .....	499.11	47.61
32 33 23 00-0008	EA		23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood .....	449.94	47.61
32 33 23 00-0009	EA		24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood .....	620.57	47.61
32 33 23 00-0010			<b>Square Steel Frames Surrounded With Flat Steel</b> (32 33 23 00-0001)		
32 33 23 00-0011	EA		26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround .....	911.60	47.61
32 33 23 00-0012	EA		26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround .....	985.09	47.61
32 33 23 00-0013	EA		26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround .....	985.09	47.61
32 33 23 00-0014			<b>Round Steel Pipe And Flat Steel Frames</b> (32 33 23 00-0001)		
			Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015	EA		21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood .....	1,352.56	47.61
32 33 23 00-0016	EA		21" Diameter x 32" High Flat Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood .....	1,457.55	47.61
32 33 23 00-0017	EA		21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood .....	1,680.65	47.61
32 33 23 00-0018	EA		21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood .....	1,523.17	47.61
32 33 23 00-0019			<b>Round Steel Pipe Surrounded With Perforated</b> (32 33 23 00-0001)		
32 33 23 00-0020	EA		21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe .....	1,208.20	47.61
32 33 23 00-0021	EA		21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe .....	1,313.19	47.61
32 33 23 00-0022	EA		21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe .....	1,536.29	47.61



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Site Furnishings	32 33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0023 EA 21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe.....	1,391.93	47.61
<b>32 33 23 00-0024 Round Steel Pipe Frames Surrounded With Welded Wire (32 33 23 00-0001)</b>		
32 33 23 00-0025 EA 21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround .....	958.84	47.61
32 33 23 00-0026 EA 21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround .....	1,063.84	47.61
32 33 23 00-0027 EA 21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround.....	1,286.94	47.61
32 33 23 00-0028 EA 21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround.....	1,142.58	47.61
<b>32 33 23 00-0029 Litter Baskets (32 33 23)</b>		
<b>32 33 23 00-0030 Round Wire Litter Baskets (32 33 23 00-0029)</b>		
32 33 23 00-0031 EA 1.33' Diameter x 1.83' High Round Wire Litter Basket .....	170.12	4.84
32 33 23 00-0032 EA 1.5' Diameter x 1.83' High Round Wire Litter Basket .....	215.03	4.84
32 33 23 00-0033 EA 1.75' Diameter x 2.33' High Round Wire Litter Basket .....	291.24	4.84
32 33 23 00-0034 EA 1.83' Diameter x 2.83' High Round Wire Litter Basket .....	334.24	4.84
<b>32 33 23 00-0035 Trash Can/Wire Basket Holder (32 33 23 00-0029)</b>		
32 33 23 00-0036 EA Steel Post, Single Holder.....	237.37	38.88
32 33 23 00-0037 EA Steel Post, Double Holder.....	323.32	38.88
32 33 23 00-0038 EA Redwood Post, Single Holder.....	164.08	38.88
32 33 23 00-0039 EA Redwood Post, Double Holder.....	197.17	38.88
<b>32 33 23 00-0040 Litter Receptacles, Freestanding (32 33 23 00-0029)</b>		
Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		
32 33 23 00-0041 EA 16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded.....	1,369.98	19.84
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0042 EA 16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded.....	1,442.28	19.84
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0043 EA 20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded.....	1,679.00	29.75
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0044 EA 20" Diameter x 40" High Litter Receptacle, Freestanding Embedded.....	1,751.30	29.75
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0045 EA 16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole .....	1,823.60	29.75
For Powder Coated Sand Pan, Add	50.00	
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0046 EA 16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole .....	1,895.90	29.75
For Powder Coated Sand Pan, Add	50.00	
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0047 EA 16" Diameter x 28" High Litter Receptacle, Wall Mount.....	1,512.02	25.79
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
For 1-1/2" x 6" Diameter Metal Cover Plate, Add	20.00	
32 33 23 00-0048 EA 16" Diameter x 32" High Litter Receptacle, Wall Mount.....	1,584.32	25.79
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
For 1-1/2" x 6" Diameter Metal Cover Plate, Add	20.00	
<b>32 33 23 00-0049 Ash Receptacles (32 33 23)</b>		
32 33 23 00-0050 EA 12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded .....	532.19	19.84
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
For Sand Pan, Add	110.00	
For Bowl And Funnel, Add	120.00	
32 33 23 00-0051 EA 18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner.....	226.86	19.84
32 33 23 00-0052 EA 16" Square x 24" High, Palm Ash Urn, Custom Color "Paseo Oak". Quick Crete Products: Palm Series QS-PS 1624 .....	285.96	19.84
<b>32 33 23 00-0053 Trash Receptacles (32 33 23)</b>		
32 33 23 00-0054 EA Outdoor Covered Steel Receptacle With Liner .....	1,124.16	19.84
32 33 23 00-0055 EA Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame .....	627.50	19.84
32 33 23 00-0056 EA 24" x 24" Square Trash Containment With Exposed Aggregate Finish .....	574.11	19.84

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 33 23 00-0057	EA	30" x 30" Square Trash Containment With Exposed Aggregate Finish.....		599.03	21.81
32 33 23 00-0058	EA	36" x 36" Square Trash Containment With Exposed Aggregate Finish.....		644.91	23.80
32 33 23 00-0059	EA	32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber .....		458.51	15.87
32 33 23 00-0060	EA	32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber.....		547.42	15.87
32 33 23 00-0061	EA	24" x 24" Square 18" High Trash Receptacle, Fiberglass.....		963.73	19.84
32 33 23 00-0062	EA	25" Square x 32" High Trash Receptacle; Palm Series QS-PS 2532-D, Style D Lid Brown Color, Round Plastic Liners QPL-30-B, Custom Color "Paseo Oak". Quick Crete Products .....		623.15	21.81
<b>32 33 23 00-0063</b>		<b>Trash Containers (Dumpsters) (32 33 23)</b>			
32 33 23 00-0064	EA	1 CY Straight Side Trash Dumpster.....		279.73	
32 33 23 00-0065	EA	1.5 CY Straight Side Trash Dumpster.....		419.60	
32 33 23 00-0066	EA	2 CY Straight Side Trash Dumpster.....		559.46	
32 33 23 00-0067	EA	2 CY Sloped Side Trash Dumpster .....		559.46	
32 33 23 00-0068	EA	3 CY Sloped Side Trash Dumpster .....		839.19	
32 33 23 00-0069	EA	4 CY Sloped Side Trash Dumpster .....		1,118.92	
32 33 23 00-0070	EA	6 CY Sloped Side Trash Dumpster .....		1,678.38	
32 33 23 00-0071	EA	8 CY Sloped Side Trash Dumpster .....		2,237.84	
<b>32 33 33</b>		<b>Site Manufactured Planters (32 33)</b>			
<b>32 33 33 00-0001</b>		<b>Precast Concrete Planters (32 33 33)</b>			
<b>32 33 33 00-0002</b>		<b>Circular Precast Concrete Planters (32 33 33 00-0001)</b>			
32 33 33 00-0003	EA	24" Diameter, 17" Height, Circular Precast Concrete Planter .....		755.27	24.83
32 33 33 00-0004	EA	24" Diameter, 24" Height, Circular Precast Concrete Planter .....		845.45	29.80
32 33 33 00-0005	EA	24" Diameter, 33" Height, Circular Precast Concrete Planter .....		925.69	29.80
32 33 33 00-0006	EA	30" Diameter, 17" Height, Circular Precast Concrete Planter .....		1,004.06	34.76
32 33 33 00-0007	EA	30" Diameter, 30" Height, Circular Precast Concrete Planter .....		1,215.08	44.69
32 33 33 00-0008	EA	36" Diameter, 24" Height, Circular Precast Concrete Planter .....		1,323.64	44.69
32 33 33 00-0009	EA	36" Diameter, 30" Height, Circular Precast Concrete Planter .....		1,491.67	49.65
32 33 33 00-0010	EA	48" Diameter, 17" Height, Circular Precast Concrete Planter .....		1,576.63	49.65
32 33 33 00-0011	EA	48" Diameter, 24" Height, Circular Precast Concrete Planter .....		1,754.87	62.07
32 33 33 00-0012	EA	48" Diameter, 30" Height, Circular Precast Concrete Planter .....		1,866.64	66.04
32 33 33 00-0013	EA	48" Diameter, 36" Height, Circular Precast Concrete Planter .....		1,944.39	69.52
32 33 33 00-0014	EA	60" Diameter, 17" Height, Circular Precast Concrete Planter .....		1,765.85	62.07
32 33 33 00-0015	EA	60" Diameter, 24" Height, Circular Precast Concrete Planter .....		1,942.03	69.52
32 33 33 00-0016	EA	60" Diameter, 36" Height, Circular Precast Concrete Planter .....		2,492.39	74.48
32 33 33 00-0017	EA	72" Diameter, 36" Height, Circular Precast Concrete Planter .....		3,235.38	94.35
32 33 33 00-0018	EA	84" Diameter, 36" Height, Circular Precast Concrete Planter .....		3,762.14	99.31
<b>32 33 33 00-0019</b>		<b>Square Precast Concrete Planters (32 33 33 00-0001)</b>			
32 33 33 00-0020	EA	36" Square, 30" Height, Square Precast Concrete Planter .....		1,518.40	64.56
32 33 33 00-0021	EA	42" Square, 30" Height, Square Precast Concrete Planter .....		1,739.69	69.52
32 33 33 00-0022	EA	60" Square, 36" Height, Square Precast Concrete Planter .....		2,757.20	79.45
32 33 33 00-0023	EA	72" Square, 36" Height, Square Precast Concrete Planter .....		2,941.76	84.42
<b>32 33 33 00-0024</b>		<b>Rectangular Precast Concrete Planters (32 33 33 00-0001)</b>			
32 33 33 00-0025	EA	33" x 18", 20" Height, Rectangular Precast Concrete Planter.....		880.85	29.80
32 33 33 00-0026	EA	48" x 18", 20" Height, Rectangular Precast Concrete Planter.....		1,031.01	44.69
32 33 33 00-0027	EA	60" x 18", 20" Height, Rectangular Precast Concrete Planter.....		1,196.68	49.65
32 33 33 00-0028	EA	72" x 18", 20" Height, Rectangular Precast Concrete Planter.....		1,360.76	62.07
<b>32 33 33 00-0029</b>		<b>Fiberglass Planters (32 33 33)</b>			
<b>32 33 33 00-0030</b>		<b>Circular Fiberglass Planters (32 33 33 00-0029)</b>			
32 33 33 00-0031	EA	36" Diameter, 27" High, Circular Fiberglass Planter .....		1,870.04	24.83
32 33 33 00-0032	EA	60" Diameter, 39" High, Circular Fiberglass Planter .....		3,124.62	24.83
32 33 33 00-0033	EA	36" Diameter, 24" High, Circular Fiberglass Planter .....		1,240.50	24.83
32 33 33 00-0034	EA	60" Diameter, 24" High, Circular Fiberglass Planter .....		2,463.25	24.83
<b>32 33 33 00-0035</b>		<b>Tapered Circular Fiberglass Planters (32 33 33 00-0029)</b>			
32 33 33 00-0036	EA	24" Diameter, 20" High, Tapered Circular Fiberglass Planter.....		716.13	24.83
32 33 33 00-0037	EA	30" Diameter, 25" High, Tapered Circular Fiberglass Planter .....		1,058.67	24.83
32 33 33 00-0038	EA	36" Diameter, 30" High, Tapered Circular Fiberglass Planter .....		1,901.87	24.83
32 33 33 00-0039	EA	40" Diameter, 36" High, Tapered Circular Fiberglass Planter .....		2,663.26	24.83
<b>32 33 33 00-0040</b>		<b>Square Fiberglass Planters (32 33 33 00-0029)</b>			
32 33 33 00-0041	EA	24" Square, 21" High, Square Fiberglass Planter.....		946.30	24.83
32 33 33 00-0042	EA	24" Square, 24" High, Square Fiberglass Planter .....		967.76	24.83
32 33 33 00-0043	EA	30" Square, 12" High, Square Fiberglass Planter .....		979.12	24.83
32 33 33 00-0044	EA	30" Square, 21" High, Square Fiberglass Planter .....		1,113.23	24.83
32 33 33 00-0045	EA	30" Square, 24" High, Square Fiberglass Planter .....		1,210.94	24.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 33 33 00-0046</b> Rectangular Fiberglass Planters <small>(32 33 33 00-0029)</small>		
32 33 33 00-0047 EA 48" x 12", 12" High, Rectangular Fiberglass Planter.....	1,091.99	24.83
32 33 33 00-0048 EA 48" x 12", 21" High, Rectangular Fiberglass Planter.....	1,172.12	24.83
32 33 33 00-0049 EA 48" x 24", 12" High, Rectangular Fiberglass Planter.....	1,532.96	24.83
32 33 33 00-0050 EA 48" x 24", 21" High, Rectangular Fiberglass Planter.....	1,693.22	24.83
<b>32 33 33 00-0051</b> Timber Planters <small>(32 33 33)</small>		
<b>32 33 33 00-0052</b> Square Timber Planters <small>(32 33 33 00-0051)</small>		
32 33 33 00-0053 EA 14" Square, 30" High, Square Timber Planter.....	713.22	47.61
32 33 33 00-0054 EA 21" Square, 30" High, Square Timber Planter.....	713.22	47.61
32 33 33 00-0055 EA 27" Square, 30" High, Square Timber Planter.....	1,408.81	47.61
32 33 33 00-0056 EA 34" Square, 30" High, Square Timber Planter.....	1,212.87	47.61
32 33 33 00-0057 EA 41" Square, 36" High, Square Timber Planter.....	1,457.79	47.61
32 33 33 00-0058 EA 54" Square, 36" High, Square Timber Planter.....	3,848.27	47.61
32 33 33 00-0059 EA 81" Square, 36" High, Square Timber Planter.....	5,817.47	47.61
<b>32 33 33 00-0060</b> Rectangular Timber Planters <small>(32 33 33 00-0051)</small>		
32 33 33 00-0061 EA 21" x 14", 30" High, Rectangular Timber Planter.....	703.42	47.61
32 33 33 00-0062 EA 27" x 14", 30" High, Rectangular Timber Planter.....	791.59	47.61
32 33 33 00-0063 EA 27" x 21", 30" High, Rectangular Timber Planter.....	1,056.11	47.61
32 33 33 00-0064 EA 34" x 21", 30" High, Rectangular Timber Planter.....	1,173.68	47.61
32 33 33 00-0065 EA 41" x 21", 30" High, Rectangular Timber Planter.....	1,526.37	47.61
32 33 33 00-0066 EA 34" x 27", 30" High, Rectangular Timber Planter.....	1,781.09	47.61
32 33 33 00-0067 EA 41" x 27", 30" High, Rectangular Timber Planter.....	1,996.63	47.61
32 33 33 00-0068 EA 54" x 27", 30" High, Rectangular Timber Planter.....	2,613.84	47.61
32 33 33 00-0069 EA 54" x 34", 30" High, Rectangular Timber Planter.....	2,956.74	47.61
32 33 33 00-0070 EA 68" x 34", 36" High, Rectangular Timber Planter.....	3,378.01	47.61
32 33 33 00-0071 EA 54" x 41", 36" High, Rectangular Timber Planter.....	3,211.46	47.61
32 33 33 00-0072 EA 68" x 41", 36" High, Rectangular Timber Planter.....	3,642.53	47.61
32 33 33 00-0073 EA 81" x 41", 36" High, Rectangular Timber Planter.....	4,083.40	47.61
<b>32 33 43</b> Site Seating and Tables <small>(32 33)</small>		
<b>32 33 43 13</b> Site Seating <small>(32 33 43)</small>		
<b>32 33 43 13-0001</b> Benches (Landscapeforms) <small>(32 33 43 13)</small>		
Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.		
32 33 43 13-0002 EA 72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade).....	1,698.33	79.34
32 33 43 13-0003 EA 72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade).....	2,129.43	79.34
32 33 43 13-0004 EA 96" Backed Wood Bench (Landscapeforms Balustrade).....	2,406.56	79.34
32 33 43 13-0005 EA End Loop Arms For Backed Bench (Landscapeforms Balustrade).....	193.64	19.84
32 33 43 13-0006 EA 72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's).....	1,858.99	79.34
32 33 43 13-0007 EA 96" Backless Wood Bench (Landscapeforms Gretchen's).....	2,106.67	79.34
32 33 43 13-0008 EA 72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's).....	2,300.80	79.34
32 33 43 13-0009 EA 96" Backed Wood Bench (Landscapeforms Gretchen's).....	2,602.03	79.34
32 33 43 13-0010 EA 72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's).....	2,635.50	79.34
32 33 43 13-0011 EA 96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's).....	2,936.73	79.34
32 33 43 13-0012 EA 59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park).....	3,428.88	79.34
32 33 43 13-0013 EA 75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park).....	3,729.04	79.34
32 33 43 13-0014 EA 42" Backless Metal Grid Bench (Landscapeforms Manistee).....	956.31	59.51
32 33 43 13-0015 EA 62" Backless Metal Grid Bench (Landscapeforms Manistee).....	1,035.30	59.51
32 33 43 13-0016 EA 72" Backless Metal Grid Bench (Landscapeforms Manistee).....	1,118.33	69.43
32 33 43 13-0017 EA 82" Backless Metal Grid Bench (Landscapeforms Manistee).....	1,307.91	69.43
32 33 43 13-0018 EA 42" Backed Metal Grid Bench (Landscapeforms Manistee).....	1,197.32	69.43
32 33 43 13-0019 EA 62" Backed Metal Grid Bench (Landscapeforms Manistee).....	1,276.31	69.43
32 33 43 13-0020 EA 72" Backed Metal Grid Bench (Landscapeforms Manistee).....	1,375.14	79.34
32 33 43 13-0021 EA 82" Backed Metal Grid Bench (Landscapeforms Manistee).....	1,580.52	79.34
32 33 43 13-0022 EA 42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee).....	1,339.50	69.43
32 33 43 13-0023 EA 62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee).....	1,438.33	79.34
32 33 43 13-0024 EA 72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee).....	1,517.32	79.34
32 33 43 13-0025 EA 82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee).....	1,722.70	79.34
32 33 43 13-0026 EA 72" Backless Solid Wood Bench (Landscapeforms Palisade).....	2,755.99	79.34
32 33 43 13-0027 EA 96" Backless Solid Wood Bench (Landscapeforms Palisade).....	3,171.02	79.34
32 33 43 13-0028 EA 70" Backless Perforated Metal Bench (Landscapeforms Petoskey).....	1,759.92	79.34
32 33 43 13-0029 EA 70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey).....	2,129.43	79.34
32 33 43 13-0030 EA 70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey).....	2,314.18	79.34
32 33 43 13-0031 EA 72" Backed Wood Bench (Landscapeforms Plainwell).....	2,253.94	79.34
32 33 43 13-0032 EA 72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell).....	2,501.62	79.34
32 33 43 13-0033 EA 96" Backed Wood Bench (Landscapeforms Plainwell).....	2,769.38	79.34
32 33 43 13-0034 EA 96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell).....	3,017.06	79.34
32 33 43 13-0035 EA 96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell).....	3,271.43	79.34
32 33 43 13-0036 EA 72" Backed Aluminum Bench (Landscapeforms Plainwell).....	2,876.48	79.34
32 33 43 13-0037 EA 72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell).....	3,124.16	79.34
32 33 43 13-0038 EA 96" Backed Aluminum Bench (Landscapeforms Plainwell).....	3,532.50	79.34
32 33 43 13-0039 EA 96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell).....	3,793.57	79.34
32 33 43 13-0040 EA 96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell).....	4,034.56	79.34
32 33 43 13-0041 EA Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus).....	655.53	19.84

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 33 43 13-0042	EA	Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus) .....	883.13	19.84
32 33 43 13-0043	EA	Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus) .....	883.13	19.84
32 33 43 13-0044	EA	Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus) .....	802.80	19.84
32 33 43 13-0045	EA	Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus) .....	996.93	19.84
32 33 43 13-0046	EA	Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus) .....	996.93	19.84
32 33 43 13-0047	EA	Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus) .....	996.93	19.84
32 33 43 13-0048	EA	Armrest For Metal Grid Seats (Landscapeforms Plexus) .....	193.64	19.84
32 33 43 13-0049	EA	Backless Straight Metal Grid Seats (Landscapeforms Presidio) .....	923.29	19.84
32 33 43 13-0050	EA	Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio) .....	1,023.71	19.84
32 33 43 13-0051	EA	Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio) .....	1,124.12	19.84
32 33 43 13-0052	EA	Backless Angled Metal Grid Seats (Landscapeforms Presidio) .....	1,117.42	19.84
32 33 43 13-0053	EA	Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio) .....	1,217.83	19.84
32 33 43 13-0054	EA	Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio) .....	1,318.24	19.84
32 33 43 13-0055	EA	Backed Straight Metal Grid Seats (Landscapeforms Presidio) .....	1,104.03	19.84
32 33 43 13-0056	EA	Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio) .....	1,204.44	19.84
32 33 43 13-0057	EA	Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio) .....	1,304.86	19.84
32 33 43 13-0058	EA	Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio) .....	1,351.71	19.84
32 33 43 13-0059	EA	Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio) .....	1,452.12	19.84
32 33 43 13-0060	EA	Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio) .....	1,552.54	19.84
32 33 43 13-0061	EA	Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio) .....	1,351.71	19.84
32 33 43 13-0062	EA	Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio) .....	1,452.12	19.84
32 33 43 13-0063	EA	Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio) .....	1,552.54	19.84
32 33 43 13-0064	EA	48" Backless Horizontal Strap Bench (Landscapeforms Scarborough) .....	1,832.21	79.34
32 33 43 13-0065	EA	72" Backless Horizontal Strap Bench (Landscapeforms Scarborough) .....	1,858.99	79.34
32 33 43 13-0066	EA	96" Backless Horizontal Strap Bench (Landscapeforms Scarborough) .....	2,267.33	79.34
32 33 43 13-0067	EA	48" Backless Woven Bench (Landscapeforms Scarborough) .....	2,755.99	79.34
32 33 43 13-0068	EA	72" Backless Woven Bench (Landscapeforms Scarborough) .....	3,258.05	79.34
32 33 43 13-0069	EA	96" Backless Woven Bench (Landscapeforms Scarborough) .....	3,733.32	79.34
32 33 43 13-0070	EA	24" Backed Horizontal Strap Bench (Landscapeforms Scarborough) .....	1,470.73	79.34
32 33 43 13-0071	EA	48" Backed Horizontal Strap Bench (Landscapeforms Scarborough) .....	1,966.09	79.34
32 33 43 13-0072	EA	72" Backed Horizontal Strap Bench (Landscapeforms Scarborough) .....	2,012.95	79.34
32 33 43 13-0073	EA	72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough) .....	2,320.88	79.34
32 33 43 13-0074	EA	96" Backed Horizontal Strap Bench (Landscapeforms Scarborough) .....	2,622.11	79.34
32 33 43 13-0075	EA	96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough) .....	2,936.73	79.34
32 33 43 13-0076	EA	96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough) .....	3,244.66	79.34
32 33 43 13-0077	EA	24" Backed Woven Bench (Landscapeforms Scarborough) .....	2,622.11	79.34
32 33 43 13-0078	EA	48" Backed Woven Bench (Landscapeforms Scarborough) .....	3,177.72	79.34
32 33 43 13-0079	EA	72" Backed Woven Bench (Landscapeforms Scarborough) .....	3,719.93	79.34
32 33 43 13-0080	EA	72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough) .....	4,034.56	79.34
32 33 43 13-0081	EA	96" Backed Woven Bench (Landscapeforms Scarborough) .....	4,703.96	79.34
32 33 43 13-0082	EA	96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough) .....	5,011.89	79.34
32 33 43 13-0083	EA	96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough) .....	5,313.12	79.34
32 33 43 13-0084	EA	32" Backed Strap Or Perforated Bench (Landscapeforms Town Square) .....	1,243.38	69.43
32 33 43 13-0085	EA	49" Backed Strap Or Perforated Bench (Landscapeforms Town Square) .....	1,504.45	69.43
32 33 43 13-0086	EA	49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square) .....	1,645.02	69.43
32 33 43 13-0087	EA	70" Backed Strap Or Perforated Bench (Landscapeforms Town Square) .....	1,925.93	79.34
32 33 43 13-0088	EA	70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square) .....	2,187.00	79.34

**32 33 43 13-0089 Other Benches** (32 33 43 13)

32 33 43 13-0090	EA	6" Timberform #2118-6 Restoration Bench With Cast Iron Glossy Black Frames, Armrests, Purple Heart Wood Slats, S.J.S.U. Logo, Surface Mount .....	3,609.40	73.40
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**32 33 43 13-0091 Benches (Columbia Cascade, TimberForm)** (32 33 43 13)**32 33 43 13-0092 Wood Benches (Columbia Cascade, TimberForm)** (32 33 43 13-0091)

Note: Includes powder coated steel frames.

32 33 43 13-0093	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E) .....	797.29	39.68
32 33 43 13-0094	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E) .....	916.03	39.68
32 33 43 13-0095	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E) .....	1,177.24	39.68
32 33 43 13-0096	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P) .....	832.93	39.68
32 33 43 13-0097	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P) .....	951.66	39.68
32 33 43 13-0098	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P) .....	1,224.75	39.68
32 33 43 13-0099	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E) .....	1,224.75	39.68
32 33 43 13-0100	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E) .....	1,426.59	39.68
32 33 43 13-0101	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E) .....	1,842.16	39.68
32 33 43 13-0102	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P) .....	1,284.11	39.68
32 33 43 13-0103	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P) .....	1,485.96	39.68
32 33 43 13-0104	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P) .....	1,925.27	39.68
32 33 43 13-0105	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E) .....	2,376.45	39.68
32 33 43 13-0106	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E) .....	2,792.02	39.68
32 33 43 13-0107	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E) .....	3,658.77	39.68
32 33 43 13-0108	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P) .....	2,435.82	39.68
32 33 43 13-0109	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P) .....	2,851.39	39.68
32 33 43 13-0110	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P) .....	3,741.88	39.68



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Site Furnishings	32 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0111 EA 70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E).....	927.91	39.68
32 33 43 13-0112 EA 94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E).....	1,046.65	39.68
32 33 43 13-0113 EA 70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P).....	963.53	39.68
32 33 43 13-0114 EA 94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P).....	1,082.27	39.68
32 33 43 13-0115 EA 46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E).....	1,557.20	39.68
32 33 43 13-0116 EA 70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E).....	1,842.16	39.68
32 33 43 13-0117 EA 46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P).....	1,652.18	39.68
32 33 43 13-0118 EA 70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P).....	1,937.14	39.68
32 33 43 13-0119 EA 70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6).....	970.35	59.51
32 33 43 13-0120 EA 94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8).....	1,017.85	59.51
32 33 43 13-0121 EA 118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10).....	1,385.92	59.51
32 33 43 13-0122 EA 46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E).....	749.81	39.68
32 33 43 13-0123 EA 70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E).....	868.55	39.68
32 33 43 13-0124 EA 94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E).....	987.28	39.68
32 33 43 13-0125 EA 118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E).....	1,272.24	39.68
32 33 43 13-0126 EA 142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E).....	1,390.97	39.68
32 33 43 13-0127 EA 46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P).....	761.69	39.68
32 33 43 13-0128 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P).....	880.42	39.68
32 33 43 13-0129 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P).....	999.15	39.68
32 33 43 13-0130 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P).....	1,307.86	39.68
32 33 43 13-0131 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P).....	1,426.59	39.68
32 33 43 13-0132 EA 70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E).....	1,295.99	39.68
32 33 43 13-0133 EA 94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E).....	1,497.83	39.68
32 33 43 13-0134 EA 118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E).....	1,937.14	39.68
32 33 43 13-0135 EA 142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E).....	2,138.99	39.68
32 33 43 13-0136 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P).....	1,319.73	39.68
32 33 43 13-0137 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P).....	1,521.58	39.68
32 33 43 13-0138 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P).....	1,972.76	39.68
32 33 43 13-0139 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P).....	2,174.61	39.68
32 33 43 13-0140 EA 70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E).....	1,295.99	39.68
32 33 43 13-0141 EA 82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E).....	1,830.28	39.68
32 33 43 13-0142 EA 94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E).....	1,628.44	39.68
32 33 43 13-0143 EA 118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E).....	2,150.86	39.68
32 33 43 13-0144 EA 142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E).....	2,352.71	39.68
32 33 43 13-0145 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P).....	1,485.96	39.68
32 33 43 13-0146 EA 82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P).....	1,865.90	39.68
32 33 43 13-0147 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P).....	1,652.18	39.68
32 33 43 13-0148 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P).....	2,186.48	39.68
32 33 43 13-0149 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P).....	2,388.33	39.68
32 33 43 13-0150 EA 70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6).....	1,362.17	59.51
32 33 43 13-0151 EA 94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8).....	1,575.89	59.51
32 33 43 13-0152 EA 118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10).....	2,027.08	59.51
32 33 43 13-0153 EA 70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6).....	1,492.78	59.51
32 33 43 13-0154 EA 94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8).....	1,706.50	59.51
32 33 43 13-0155 EA 118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10).....	2,228.92	59.51
<b>32 33 43 13-0156 Recycled Plastic Benches (Columbia Cascade, TimberForm) (32 33 43 13-0091)</b>		
Note: Includes powder coated steel frames.		
32 33 43 13-0157 EA 70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E).....	1,094.14	39.68
32 33 43 13-0158 EA 94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E).....	1,497.83	39.68
32 33 43 13-0159 EA 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P).....	1,129.76	39.68
32 33 43 13-0160 EA 94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P).....	1,533.45	39.68
32 33 43 13-0161 EA 46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E).....	1,723.42	39.68
32 33 43 13-0162 EA 70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E).....	2,020.26	39.68
32 33 43 13-0163 EA 46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P).....	1,818.41	39.68
32 33 43 13-0164 EA 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P).....	2,115.24	39.68
32 33 43 13-0165 EA 70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6).....	1,089.09	59.51
32 33 43 13-0166 EA 94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8).....	1,314.68	59.51
32 33 43 13-0167 EA 118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10).....	1,552.14	59.51
32 33 43 13-0168 EA 70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E).....	892.27	39.68
32 33 43 13-0169 EA 94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E).....	1,200.99	39.68
32 33 43 13-0170 EA 118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E).....	1,438.46	39.68
32 33 43 13-0171 EA 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P).....	927.91	39.68
32 33 43 13-0172 EA 94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P).....	1,236.62	39.68
32 33 43 13-0173 EA 118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P).....	1,485.96	39.68
32 33 43 13-0174 EA 70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E).....	1,426.59	39.68

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0175 EA 94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E).....	1,925.27	39.68
32 33 43 13-0176 EA 118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E).....	2,340.84	39.68
32 33 43 13-0177 EA 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P).....	1,485.96	39.68
32 33 43 13-0178 EA 94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P).....	2,008.38	39.68
32 33 43 13-0179 EA 118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P).....	2,423.95	39.68
32 33 43 13-0180 EA 70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E).....	2,792.02	39.68
32 33 43 13-0181 EA 94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E).....	3,848.74	39.68
32 33 43 13-0182 EA 118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E).....	4,264.31	39.68
32 33 43 13-0183 EA 70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P).....	2,851.39	39.68
32 33 43 13-0184 EA 94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P).....	3,931.86	39.68
32 33 43 13-0185 EA 118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P).....	4,347.42	39.68
32 33 43 13-0186 EA 70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E).....	1,747.17	39.68
32 33 43 13-0187 EA 82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E).....	2,435.82	39.68
32 33 43 13-0188 EA 94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E).....	2,328.96	39.68
32 33 43 13-0189 EA 118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E).....	2,673.29	39.68
32 33 43 13-0190 EA 142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E).....	3,599.40	39.68
32 33 43 13-0191 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P).....	1,770.92	39.68
32 33 43 13-0192 EA 82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P).....	2,471.44	39.68
32 33 43 13-0193 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P).....	2,364.58	39.68
32 33 43 13-0194 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P).....	2,708.91	39.68
32 33 43 13-0195 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P).....	3,658.77	39.68
32 33 43 13-0196 EA 70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6).....	1,659.00	59.51
32 33 43 13-0197 EA 94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8).....	2,240.80	59.51
32 33 43 13-0198 EA 118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10).....	2,775.09	59.51
32 33 43 13-0199 EA 70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6).....	1,860.85	59.51
32 33 43 13-0200 EA 94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8).....	2,490.13	59.51
32 33 43 13-0201 EA 118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10).....	2,739.47	59.51
32 33 43 13-0202 EA 46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E).....	797.31	39.68
32 33 43 13-0203 EA 70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E).....	1,046.65	39.68
32 33 43 13-0204 EA 94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E).....	1,414.72	39.68
32 33 43 13-0205 EA 118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E).....	1,664.06	39.68
32 33 43 13-0206 EA 142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E).....	1,937.14	39.68
32 33 43 13-0207 EA 46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P).....	821.05	39.68
32 33 43 13-0208 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P).....	1,070.39	39.68
32 33 43 13-0209 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P).....	1,450.34	39.68
32 33 43 13-0210 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P).....	1,699.68	39.68
32 33 43 13-0211 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P).....	1,984.64	39.68
32 33 43 13-0212 EA 70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E).....	1,557.20	39.68
32 33 43 13-0213 EA 94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E).....	2,138.99	39.68
32 33 43 13-0214 EA 118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E).....	2,637.67	39.68
32 33 43 13-0215 EA 142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E).....	2,970.12	39.68
32 33 43 13-0216 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P).....	1,580.94	39.68
32 33 43 13-0217 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P).....	2,174.61	39.68
32 33 43 13-0218 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P).....	2,673.29	39.68
32 33 43 13-0219 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P).....	3,017.61	39.68
<b>32 33 43 13-0220 Benches (Wabash Valley) (32 33 43 13)</b>		
<b>32 33 43 13-0221 Prestige/Profile Benches (32 33 43 13-0220)</b>		
32 33 43 13-0222 EA 6' Bench With Arms, Inground, Diamond Site Furniture (Wabash Valley PP411D).....	870.88	37.06
32 33 43 13-0223 EA 6' Bench With Arms, Inground, Perforated Site Furniture (Wabash Valley PP411P).....	962.56	37.06





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>32 33 43 13-0224</b>		<b>Straight Benches</b> <small>(32 33 43 13-0220)</small>		
32 33 43 13-0225	EA	6' Signature Standard Inground Bench With Back (Wabash Valley SG303P) .....	898.99	55.54
32 33 43 13-0226	EA	6' Signature Standard Surface Mount Bench With Back (Wabash Valley SG306P) .....	913.11	55.54
32 33 43 13-0227	EA	8' Signature Standard Inground Bench With Back (Wabash Valley SG315P) .....	981.36	55.54
32 33 43 13-0228	EA	8' Signature Standard Inground Bench Without Back (Wabash Valley SG316P) .....	644.83	55.54
32 33 43 13-0229	EA	8' Signature Standard Surface Mount Bench With Back (Wabash Valley SG318P) .....	981.36	55.54
32 33 43 13-0230	EA	8' Signature Standard Surface Mount Bench Without Back (Wabash Valley SG319P) .....	644.83	55.54
32 33 43 13-0231	EA	Shelter With 6' Bench (Wabash Valley SH305P) .....	6,457.24	71.41
32 33 43 13-0232	EA	2-Seat With Back, Portable (Wabash Valley CL310) .....	1,335.54	37.06
32 33 43 13-0233	EA	2-Seat With Back, Surface Mount (Wabash Valley CL311D) .....	1,279.01	55.62
32 33 43 13-0234	EA	2-Seat With Back, Inground (Wabash Valley CL312D) .....	1,412.15	74.19
32 33 43 13-0235	EA	2-Seat Without Back, Portable (Wabash Valley CL315D) .....	1,148.62	37.06
32 33 43 13-0236	EA	2-Seat Without Back, Surface Mount (Wabash Valley CL316D) .....	1,092.09	55.62
32 33 43 13-0237	EA	2-Seat Without Back, Inground (Wabash Valley CL317D) .....	1,197.75	74.19
32 33 43 13-0238	EA	3-Seat With Back, Portable (Wabash Valley CL320D) .....	1,937.53	37.06
32 33 43 13-0239	EA	3-Seat With Back, Surface Mount (Wabash Valley CL321D) .....	1,900.24	55.62
32 33 43 13-0240	EA	3-Seat With Back, Inground (Wabash Valley CL322D) .....	1,997.65	74.19
32 33 43 13-0241	EA	3-Seat Without Back, Portable (Wabash Valley CL325D) .....	1,602.17	37.06
32 33 43 13-0242	EA	3-Seat Without Back, Surface Mount (Wabash Valley CL326D) .....	1,564.89	55.62
32 33 43 13-0243	EA	3-Seat Without Back, Inground (Wabash Valley CL327D) .....	1,665.04	74.19

<b>32 33 43 13-0244</b>		<b>Concave Benches</b> <small>(32 33 43 13-0220)</small>		
32 33 43 13-0245	EA	Benches, 15 Deg Concave With Back, Portable, CL405D .....	1,838.57	37.06
32 33 43 13-0246	EA	Benches, 15 Deg Concave With Back, Surface Mount, CL406D .....	1,790.29	55.62
32 33 43 13-0247	EA	Benches, 15 Deg Concave With Back, Inground, CL407D .....	1,890.44	74.19
32 33 43 13-0248	EA	Benches, 15 Deg Concave Without Back, Portable, CL415D .....	1,797.34	37.06
32 33 43 13-0249	EA	Benches, 15 Deg Concave Without Back, Surface Mount, CL416D .....	1,749.06	55.62
32 33 43 13-0250	EA	Benches, 15 Deg Concave Without Back, Inground, CL417D .....	1,849.21	74.19

<b>32 33 43 13-0251</b>		<b>Swings</b> <small>(32 33 43 13-0220)</small>		
32 33 43 13-0252	EA	4' Swing With Chain (Perforated Or Rib) SP300P .....	1,406.62	31.74
32 33 43 13-0253	EA	6' Swing With Chain (Perforated Or Rib) SP305P .....	1,649.02	31.74
32 33 43 13-0254	EA	Round Inground Post Package SP310N .....	671.73	74.19
32 33 43 13-0255	EA	4' Square Inground Post Package SP315N .....	1,492.37	95.22
32 33 43 13-0256	EA	6' Square Inground Post Package SP320N .....	1,619.45	95.22

<b>32 33 43 13-0257</b>		<b>Accessories</b> <small>(32 33 43 13-0220)</small>		
32 33 43 13-0258	EA	Mounting Plate Covers (Set Of 2), MC102N .....	58.63	5.55
32 33 43 13-0259	EA	Mounting Plate Covers (Set Of 3), MC103N .....	84.59	7.38
32 33 43 13-0260	EA	Mounting Plate Covers (Set Of 4), MC104 .....	98.60	7.38

<b>32 33 43 13-0261</b>		<b>Camden Series Benches</b> <small>(32 33 43 13-0220)</small>		
32 33 43 13-0262	EA	6' Bench, With Back, Square Perforation, Portable/Surface Mount, CA1112C .....	1,356.68	55.54
32 33 43 13-0263	EA	6' Bench, With Back, Square Perforation, Inground, CA1111I .....	1,385.02	74.19
32 33 43 13-0264	EA	6' Bench, With Back, With Arms, Faux-Wood, Portable/Surface Mount, CA1112C .....	1,511.62	55.54
32 33 43 13-0265	EA	6' Bench, With Back, With Arms, Faux-Wood, Inground, CA1112I .....	1,543.74	74.19
32 33 43 13-0266	EA	6' Bench, With Back, With Arms, Rod, Portable/Surface Mount, CA1114C .....	1,696.79	55.54
32 33 43 13-0267	EA	6' Bench, With Back, With Arms, Rod, Inground, CA1114I .....	1,728.92	74.19
32 33 43 13-0268	EA	6' Bench, With Back, With Arms, Round Perforation, Portable/Surface Mount, CA1116C .....	1,335.89	55.54
32 33 43 13-0269	EA	6' Bench, With Back, With Arms, Round Perforation, Inground, CA1116I .....	1,366.12	74.19
32 33 43 13-0270	EA	6' Bench, With Back, With Arms, Horizontal Slat, Portable/Surface Mount, CA1119C .....	1,524.85	55.54
32 33 43 13-0271	EA	6' Bench, With Back, With Arms, Horizontal Slat, Inground, CA1116I .....	1,555.08	74.19

**32 33 43 53 Site Tables** (32 33 43)

<b>32 33 43 53-0001</b>		<b>Tables</b> <small>(32 33 43 53)</small>		
<b>32 33 43 53-0002</b>		<b>Tables (Wabash)</b> <small>(32 33 43 53-0001)</small>		
32 33 43 53-0003	EA	Spyder ADA Round Table (Wabash SY203P) .....	2,355.37	71.41
32 33 43 53-0004	EA	Shelter With 6' Table (Wabash SH105P) .....	7,182.07	71.41
32 33 43 53-0005	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Portable/Surface Mount (Wabash CA2Q50C) .....	2,164.45	71.41
32 33 43 53-0006	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Inground (Wabash CA2Q50I) .....	2,320.33	79.34

<b>32 33 43 53-0007</b>		<b>Tables (Landscapeforms)</b> <small>(32 33 43 53-0001)</small>		
32 33 43 53-0008	EA	Plexus Companion Table For Backed Seat, Straight Runs .....	814.72	74.19
32 33 43 53-0009	EA	Companion Table For Narrow-Backed Seat, For 60 Degree Radius (Landscapeforms Plexus) .....	1,028.93	74.19
32 33 43 53-0010	EA	Companion Table For Narrow-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus) .....	1,028.93	74.19
32 33 43 53-0011	EA	Companion Table For Wide-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus) .....	1,028.93	74.19
32 33 43 53-0012	EA	6-Person Picnic Table (Landscapeforms Manistee) .....	3,187.62	74.19
32 33 43 53-0013	EA	4-Person Picnic Table (Landscapeforms Manistee) .....	2,827.75	74.19
32 33 43 53-0014	EA	2-Person Picnic Table (Landscapeforms Manistee) .....	2,497.87	74.19
32 33 43 53-0015	EA	Umbrella Stand For Picnic Table (Landscapeforms) .....	267.76	

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 33 43 53-0016	EA	32" x 72" Picnic Table (Landscapeforms Petoskey).....	2,500.83	71.41
32 33 43 53-0017	EA	62" Backless Metal Rod Bench (Landscapeforms Petoskey) .....	1,307.91	55.54
32 33 43 53-0018	EA	29" Backless Metal Rod Bench (Landscapeforms Petoskey) .....	1,086.74	55.54
32 33 43 53-0019	EA	58" x 54" x 30" Wood Or PolySite Picnic Table With Benches (Landscapeforms Gretchen) .....	2,936.48	71.41
32 33 43 53-0020	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel) .....	2,827.75	74.19
32 33 43 53-0021	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel) .....	2,827.75	74.19
32 33 43 53-0022	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel) .....	3,682.45	74.19
32 33 43 53-0023	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel) .....	3,682.45	74.19
32 33 43 53-0024	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,022.68	74.19
32 33 43 53-0025	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,022.68	74.19
32 33 43 53-0026	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,877.38	74.19
32 33 43 53-0027	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,877.38	74.19
32 33 43 53-0028	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) .....	2,947.71	74.19
32 33 43 53-0029	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) .....	2,947.71	74.19
32 33 43 53-0030	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) .....	3,862.38	74.19
32 33 43 53-0031	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) .....	3,862.38	74.19
32 33 43 53-0032	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,142.64	74.19
32 33 43 53-0033	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,142.64	74.19
32 33 43 53-0034	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	4,057.31	74.19
32 33 43 53-0035	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	4,057.31	74.19
32 33 43 53-0036	EA	3 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel).....	3,007.69	74.19
32 33 43 53-0037	EA	4 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel).....	3,007.69	74.19
32 33 43 53-0038	EA	5 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel).....	3,877.38	74.19
32 33 43 53-0039	EA	6 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel).....	3,877.38	74.19
32 33 43 53-0040	EA	3 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,202.62	74.19
32 33 43 53-0041	EA	4 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,202.62	74.19
32 33 43 53-0042	EA	5 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	4,072.31	74.19
32 33 43 53-0043	EA	6 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	4,072.31	74.19
32 33 43 53-0044	EA	3 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	3,157.63	74.19
32 33 43 53-0045	EA	4 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	3,157.63	74.19
32 33 43 53-0046	EA	5 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	4,102.30	74.19
32 33 43 53-0047	EA	6 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	4,102.30	74.19
32 33 43 53-0048	EA	3 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,352.57	74.19
32 33 43 53-0049	EA	4 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,352.57	74.19
32 33 43 53-0050	EA	5 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	4,297.23	74.19
32 33 43 53-0051	EA	6 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	4,297.23	74.19
32 33 43 53-0052	EA	3 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel).....	2,622.11	74.19
32 33 43 53-0053	EA	4 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel).....	2,622.11	74.19
32 33 43 53-0054	EA	5 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel).....	3,465.56	74.19
32 33 43 53-0055	EA	6 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel).....	3,465.56	74.19
32 33 43 53-0056	EA	3 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	2,729.22	74.19
32 33 43 53-0057	EA	4 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	2,729.22	74.19
32 33 43 53-0058	EA	5 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	3,559.28	74.19
32 33 43 53-0059	EA	6 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	3,559.28	74.19
32 33 43 53-0060	EA	3 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel).....	2,742.60	74.19
32 33 43 53-0061	EA	4 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel).....	2,742.60	74.19
32 33 43 53-0062	EA	5 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel).....	3,626.22	74.19
32 33 43 53-0063	EA	6 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel).....	3,626.22	74.19
32 33 43 53-0064	EA	3 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	2,836.32	74.19
32 33 43 53-0065	EA	4 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	2,836.32	74.19
32 33 43 53-0066	EA	5 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	3,719.93	74.19
32 33 43 53-0067	EA	6 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	3,719.93	74.19
32 33 43 53-0068	EA	3 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel).....	2,796.16	74.19
32 33 43 53-0069	EA	4 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel).....	2,796.16	74.19
32 33 43 53-0070	EA	5 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel).....	3,652.99	74.19
32 33 43 53-0071	EA	6 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel).....	3,652.99	74.19
32 33 43 53-0072	EA	3 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	2,896.57	74.19
32 33 43 53-0073	EA	4 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	2,896.57	74.19
32 33 43 53-0074	EA	5 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	3,746.71	74.19
32 33 43 53-0075	EA	6 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	3,746.71	74.19
32 33 43 53-0076	EA	3 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	2,963.51	74.19
32 33 43 53-0077	EA	4 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	2,963.51	74.19
32 33 43 53-0078	EA	5 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	3,914.06	74.19
32 33 43 53-0079	EA	6 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	3,914.06	74.19
32 33 43 53-0080	EA	3 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	3,057.22	74.19
32 33 43 53-0081	EA	4 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	3,057.22	74.19
32 33 43 53-0082	EA	5 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	4,007.78	74.19
32 33 43 53-0083	EA	6 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	4,007.78	74.19

**32 33 43 53-0084 Tables (Columbia Cascade Co. - TimberForm) (32 33 43 53-0001)**

32 33 43 53-0085	EA	Table With Four Chairs (Columbia Cascade Co. 2052-E) .....	4,375.47	92.68
32 33 43 53-0086	EA	Table With Four Chairs (Columbia Cascade Co. 2052-P) .....	5,345.63	92.68
32 33 43 53-0087	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-E).....	3,688.27	92.68
32 33 43 53-0088	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-P).....	4,604.53	92.68
32 33 43 53-0089	EA	Table With Four Seats (Columbia Cascade Co. 2054-E).....	2,448.61	92.68
32 33 43 53-0090	EA	Table With Four Seats (Columbia Cascade Co. 2054-P).....	2,664.20	92.68
32 33 43 53-0091	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-E).....	2,084.80	92.68
32 33 43 53-0092	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-P).....	2,273.44	92.68
32 33 43 53-0093	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-E).....	2,731.58	92.68
32 33 43 53-0094	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-P).....	2,920.22	92.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0095 EA Integral Table With Four Seats (Columbia Cascade Co. 2056-R) .....	4,429.36	92.68
32 33 43 53-0096 EA Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-E) .....	2,421.66	92.68
32 33 43 53-0097 EA Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-P) .....	2,610.31	92.68
32 33 43 53-0098 EA Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-R) .....	4,119.45	92.68
32 33 43 53-0099 EA Standard Picnic Table And Seats (Columbia Cascade Co. 2062) .....	3,014.54	92.68
32 33 43 53-0100 EA Standard Picnic Table And Seats (Columbia Cascade Co. 2062-P) .....	3,230.13	92.68
32 33 43 53-0101 EA Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-E) .....	3,526.57	92.68
32 33 43 53-0102 EA Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-P) .....	3,742.16	92.68
32 33 43 53-0103 EA Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-E) .....	4,429.36	92.68
32 33 43 53-0104 EA Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-P) .....	4,644.95	92.68
32 33 43 53-0105 EA Standard Picnic Table And Benches (Columbia Cascade Co. 2073-E) .....	4,429.36	92.68
32 33 43 53-0106 EA Standard Picnic Table And Benches (Columbia Cascade Co. 2073-P) .....	4,644.95	92.68
32 33 43 53-0107 EA Standard Picnic Table And Seats (Columbia Cascade Co. 2074-6) .....	1,036.03	37.06
32 33 43 53-0108 EA Accessible Picnic Table And Seats (Columbia Cascade Co. 2075-6) .....	1,386.37	37.06
32 33 43 53-0109 EA Gameboard (Columbia Cascade Co. 2095) .....	295.70	18.56
32 33 43 53-0110 EA Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-E) .....	3,014.54	92.68
32 33 43 53-0111 EA Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-E) .....	3,445.72	92.68
32 33 43 53-0112 EA Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-P) .....	3,230.13	92.68
32 33 43 53-0113 EA Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-P) .....	3,661.32	92.68
32 33 43 53-0114 EA Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-E) .....	3,351.40	92.68
32 33 43 53-0115 EA Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-E) .....	3,782.59	92.68
32 33 43 53-0116 EA Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-P) .....	3,566.99	92.68
32 33 43 53-0117 EA Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-P) .....	3,998.18	92.68
32 33 43 53-0118 EA Standard Picnic Table With Seats (Columbia Cascade Co. 2164-6) .....	2,841.61	37.06
32 33 43 53-0119 EA Standard Picnic Table With Seats (Columbia Cascade Co. 2164-8) .....	3,191.95	37.06
32 33 43 53-0120 EA Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-6) .....	3,178.48	37.06
32 33 43 53-0121 EA Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-8) .....	3,528.81	37.06
32 33 43 53-0122 EA Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-E) .....	7,151.21	92.68
32 33 43 53-0123 EA Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-P) .....	7,905.78	92.68
32 33 43 53-0124 EA Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-E) .....	7,151.21	92.68
32 33 43 53-0125 EA Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-P) .....	7,905.78	92.68
32 33 43 53-0126 EA Round Table With Center Support (Columbia Cascade Co. 2902-0030-E) .....	1,747.94	92.68
32 33 43 53-0127 EA Round Table With Center Support (Columbia Cascade Co. 2902-0036-E) .....	1,923.11	92.68
32 33 43 53-0128 EA Round Table With Center Support (Columbia Cascade Co. 2902-0042-E) .....	2,098.27	92.68
32 33 43 53-0129 EA Round Table With Center Support (Columbia Cascade Co. 2902-0030-P) .....	1,869.21	92.68
32 33 43 53-0130 EA Round Table With Center Support (Columbia Cascade Co. 2902-0036-P) .....	2,044.38	92.68
32 33 43 53-0131 EA Round Table With Center Support (Columbia Cascade Co. 2902-0042-P) .....	2,219.55	92.68
32 33 43 53-0132 EA Square Table With Center Support (Columbia Cascade Co. 2902-3030-E) .....	1,707.51	92.68
32 33 43 53-0133 EA Square Table With Center Support (Columbia Cascade Co. 2902-3636-E) .....	1,828.78	92.68
32 33 43 53-0134 EA Square Table With Center Support (Columbia Cascade Co. 2902-4242-E) .....	1,950.05	92.68
32 33 43 53-0135 EA Square Table With Center Support (Columbia Cascade Co. 2902-3030-P) .....	1,828.78	92.68
32 33 43 53-0136 EA Square Table With Center Support (Columbia Cascade Co. 2902-3636-P) .....	1,950.05	92.68
32 33 43 53-0137 EA Square Table With Center Support (Columbia Cascade Co. 2902-4242-P) .....	2,071.33	92.68
32 33 43 53-0138 EA Round Table With Four Legs (Columbia Cascade Co. 2905-0030-E) .....	1,653.62	92.68
32 33 43 53-0139 EA Round Table With Four Legs (Columbia Cascade Co. 2905-0036-E) .....	1,828.78	92.68
32 33 43 53-0140 EA Round Table With Four Legs (Columbia Cascade Co. 2905-0042-E) .....	2,003.95	92.68
32 33 43 53-0141 EA Round Table With Four Legs (Columbia Cascade Co. 2905-0030-P) .....	1,653.62	92.68
32 33 43 53-0142 EA Round Table With Four Legs (Columbia Cascade Co. 2905-0036-P) .....	1,828.78	92.68
32 33 43 53-0143 EA Round Table With Four Legs (Columbia Cascade Co. 2905-0042-P) .....	2,003.95	92.68
32 33 43 53-0144 EA Round Table With Four Legs (Columbia Cascade Co. 2905-0030-L) .....	1,653.62	92.68
32 33 43 53-0145 EA Round Table With Four Legs (Columbia Cascade Co. 2905-0036-L) .....	1,828.78	92.68
32 33 43 53-0146 EA Round Table With Four Legs (Columbia Cascade Co. 2905-0042-L) .....	2,003.95	92.68
32 33 43 53-0147 EA Square Table With Four Legs (Columbia Cascade Co. 2905-3030-E) .....	1,572.77	92.68
32 33 43 53-0148 EA Square Table With Four Legs (Columbia Cascade Co. 2905-3636-E) .....	1,694.04	92.68
32 33 43 53-0149 EA Square Table With Four Legs (Columbia Cascade Co. 2905-4242-E) .....	1,815.31	92.68
32 33 43 53-0150 EA Square Table With Four Legs (Columbia Cascade Co. 2905-3030-P) .....	1,572.77	92.68
32 33 43 53-0151 EA Square Table With Four Legs (Columbia Cascade Co. 2905-3636-P) .....	1,694.04	92.68
32 33 43 53-0152 EA Square Table With Four Legs (Columbia Cascade Co. 2905-4242-P) .....	1,815.31	92.68
32 33 43 53-0153 EA Square Table With Four Legs (Columbia Cascade Co. 2905-3030-L) .....	1,572.77	92.68
32 33 43 53-0154 EA Square Table With Four Legs (Columbia Cascade Co. 2905-3636-L) .....	1,694.04	92.68
32 33 43 53-0155 EA Square Table With Four Legs (Columbia Cascade Co. 2905-4242-L) .....	1,815.31	92.68
32 33 43 53-0156 EA Round Table With Center Support (Columbia Cascade Co. 2912-0030-E) .....	1,505.40	92.68
32 33 43 53-0157 EA Round Table With Center Support (Columbia Cascade Co. 2912-0036-E) .....	1,680.57	92.68
32 33 43 53-0158 EA Round Table With Center Support (Columbia Cascade Co. 2912-0042-E) .....	1,855.73	92.68
32 33 43 53-0159 EA Round Table With Center Support (Columbia Cascade Co. 2912-0030-P) .....	1,626.67	92.68
32 33 43 53-0160 EA Round Table With Center Support (Columbia Cascade Co. 2912-0036-P) .....	1,801.84	92.68
32 33 43 53-0161 EA Round Table With Center Support (Columbia Cascade Co. 2912-0042-P) .....	1,977.00	92.68
32 33 43 53-0162 EA Square Table With Center Support (Columbia Cascade Co. 2912-3030-E) .....	1,397.60	92.68
32 33 43 53-0163 EA Square Table With Center Support (Columbia Cascade Co. 2912-3636-E) .....	1,505.40	92.68
32 33 43 53-0164 EA Square Table With Center Support (Columbia Cascade Co. 2912-4242-E) .....	1,626.67	92.68
32 33 43 53-0165 EA Square Table With Center Support (Columbia Cascade Co. 2912-3030-P) .....	1,505.40	92.68
32 33 43 53-0166 EA Square Table With Center Support (Columbia Cascade Co. 2912-3636-P) .....	1,626.67	92.68
32 33 43 53-0167 EA Square Table With Center Support (Columbia Cascade Co. 2912-4242-P) .....	1,747.94	92.68
32 33 43 53-0168 EA Round Table With Four Legs (Columbia Cascade Co. 2915-0030-E) .....	1,586.24	92.68
32 33 43 53-0169 EA Round Table With Four Legs (Columbia Cascade Co. 2915-0036-E) .....	1,761.41	92.68
32 33 43 53-0170 EA Round Table With Four Legs (Columbia Cascade Co. 2915-0042-E) .....	1,936.58	92.68
32 33 43 53-0171 EA Round Table With Four Legs (Columbia Cascade Co. 2915-0030-P) .....	1,586.24	92.68
32 33 43 53-0172 EA Round Table With Four Legs (Columbia Cascade Co. 2915-0036-P) .....	1,761.41	92.68
32 33 43 53-0173 EA Round Table With Four Legs (Columbia Cascade Co. 2915-0042-P) .....	1,936.58	92.68
32 33 43 53-0174 EA Round Table With Four Legs (Columbia Cascade Co. 2915-0030-L) .....	1,586.24	92.68
32 33 43 53-0175 EA Round Table With Four Legs (Columbia Cascade Co. 2915-0036-L) .....	1,761.41	92.68





<b>Exterior Improvements</b>		<b>32</b>
Site Improvements		32 30
Site Furnishings		32 33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0257 EA Round Table With Center Support (Columbia Cascade Co. 2962-0042-P) .....	1,411.07	92.68
32 33 43 53-0258 EA Square Table With Center Support (Columbia Cascade Co. 2962-3030-E) .....	1,195.48	92.68
32 33 43 53-0259 EA Square Table With Center Support (Columbia Cascade Co. 2962-3636-E) .....	1,235.91	92.68
32 33 43 53-0260 EA Square Table With Center Support (Columbia Cascade Co. 2962-4242-E) .....	1,276.33	92.68
32 33 43 53-0261 EA Square Table With Center Support (Columbia Cascade Co. 2962-3030-P) .....	1,316.75	92.68
32 33 43 53-0262 EA Square Table With Center Support (Columbia Cascade Co. 2962-3636-P) .....	1,357.18	92.68
32 33 43 53-0263 EA Square Table With Center Support (Columbia Cascade Co. 2962-4242-P) .....	1,397.60	92.68
<b>32 33 43 53-0264 Picnic Tables</b> <small>(32 33 43 53)</small>		
<b>32 33 43 53-0265 Wooden Picnic Tables</b> <small>(32 33 43 53-0264)</small>		
32 33 43 53-0266 EA 6' Permanent Rectangular Redwood Table .....	1,306.38	59.51
<b>32 33 43 53-0267 Portable Picnic Tables</b> <small>(32 33 43 53-0264)</small>		
32 33 43 53-0268 EA 6' Wood Table With Aluminum Frame .....	884.94	39.68
32 33 43 53-0269 EA 6' Aluminum Table And Frame .....	1,274.27	39.68
32 33 43 53-0270 EA 8' Aluminum Table And Frame .....	1,521.71	49.60
32 33 43 53-0271 EA 6' Steel Table And Frame .....	1,179.85	39.68
32 33 43 53-0272 EA 8' Steel Table And Frame .....	1,350.14	49.60
<b>32 33 43 53-0273 Concrete Picnic Tables</b> <small>(32 33 43 53-0264)</small>		
32 33 43 53-0274 EA 72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikcrete QLBT72PT) .....	2,317.34	158.70
32 33 43 53-0275 EA 96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLBT96PT Or QLMR96PT) .....	2,724.87	
	<i>Note: Standard sealer</i>	
32 33 43 53-0276 EA 102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA) .....	2,733.57	
	<i>Note: Standard sealer</i>	
32 33 43 53-0277 EA 42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC) .....	2,891.75	
	<i>Note: Includes table top, four benches and mounting hardware.</i>	
<b>32 33 43 53-0278 Plastic Picnic Tables</b> <small>(32 33 43 53-0264)</small>		
	<i>Note: Manufactured from recycled plastic.</i>	
<b>32 33 43 53-0279 Pedestal Tables - 4' Square, 2 Seats</b> <small>(32 33 43 53-0278)</small>		
32 33 43 53-0280 EA 3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats .....	1,335.42	59.51
32 33 43 53-0281 EA 4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats .....	1,464.63	59.51
<b>32 33 43 53-0282 Pedestal Tables - 4' Square, 4 Seats</b> <small>(32 33 43 53-0278)</small>		
32 33 43 53-0283 EA 3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats .....	1,754.42	59.51
32 33 43 53-0284 EA 4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats .....	1,927.93	59.51
<b>32 33 43 53-0285 Recycled Plastic Tables</b> <small>(32 33 43 53-0278)</small>		
32 33 43 53-0286 EA 6' Standard "Step-Over" Table, Recycled Plastic Lumber .....	2,302.00	59.51
32 33 43 53-0287 EA 6' " Walk-Through" Table, Recycled Plastic Lumber .....	1,915.05	59.51
32 33 43 53-0288 EA 7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends .....	2,092.88	59.51
32 33 43 53-0289 EA 8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends .....	1,956.31	59.51
32 33 43 53-0290 EA 8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends .....	2,465.24	59.51
32 33 43 53-0291 EA 4' Youth Table, Recycled Plastic Lumber .....	975.45	47.61
<b>32 33 53 Site Grills</b> <small>(32 33)</small>		
<b>32 33 53 00-0001 Picnic Grills</b> <small>(32 33 53)</small>		
32 33 53 00-0002 EA 20" Wide x 14" Deep x 8-1/2" High Adjustable Grill .....	391.05	
	<i>Note: 11 gauge with galvanized steel post.</i>	
32 33 53 00-0003 EA 20" Wide x 14" Deep x 8-1/2" High Adjustable Grill .....	418.91	
	<i>Note: 7 gauge with galvanized steel post.</i>	
<b>32 33 63 Skate Board Deterrent</b> <small>(32 33)</small>		
<b>32 33 63 00-0001 Skate Stoppers</b> <small>(32 33 63)</small>		
32 33 63 00-0002 EA Aluminum Architectural Series Pieces, Skate Stopper .....	57.66	
	<i>Note: Various shapes. Includes drilling and anchoring into suitable surface material.</i>	
	<i>For &gt;59 To 99, Deduct</i>	
	-6.29	
	<i>For &gt;99 To 249, Deduct</i>	
	-7.92	
	<i>For &gt;249, Deduct</i>	
	-9.55	
32 33 63 00-0003 EA Aluminum Fixed Angle Series Pieces, Skate Stopper .....	61.18	
	<i>Note: Various shapes. Includes drilling and anchoring into suitable surface material.</i>	
	<i>For &gt;59 To 99, Deduct</i>	
	-6.78	
	<i>For &gt;99 To 249, Deduct</i>	
	-8.52	
	<i>For &gt;249, Deduct</i>	
	-10.25	

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 63 00-0004	EA		Aluminum Fixed Radius Series Pieces, Skate Stopper.....	42.69	
			Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
			For >59 To 99, Deduct	-4.19	
			For >99 To 249, Deduct	-5.37	
			For >249, Deduct	-6.55	
32 33 63 00-0005	EA		Aluminum Bench Clips, Skate Stopper .....	33.86	
			Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
			For >59 To 99, Deduct	-2.95	
			For >99 To 249, Deduct	-3.87	
			For >249, Deduct	-4.79	
32 33 63 00-0006	EA		Aluminum Curve Clips, Skate Stopper.....	37.16	
			Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
			For >59 To 99, Deduct	-3.42	
			For >99 To 249, Deduct	-4.43	
			For >249, Deduct	-5.45	
32 33 63 00-0007	EA		Aluminum Hand Rail, Skate Stopper.....	35.49	
			Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
			For >59 To 99, Deduct	-3.18	
			For >99 To 249, Deduct	-4.15	
			For >249, Deduct	-5.11	
32 33 63 00-0008	EA		Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper.....	33.32	
			Note: Includes drilling and anchoring into suitable surface material.		
			For >59 To 99, Deduct	-2.88	
			For >99 To 249, Deduct	-3.78	
			For >249, Deduct	-4.68	
32 33 63 00-0009	EA		Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper .....	46.79	
			Note: Includes drilling and anchoring into suitable surface material.		
			For >59 To 99, Deduct	-4.77	
			For >99 To 249, Deduct	-6.07	
			For >249, Deduct	-7.37	
32 33 63 00-0010	EA		Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper.....	87.22	
			Note: Includes drilling and anchoring into suitable surface material.		
			For >59 To 99, Deduct	-10.43	
			For >99 To 249, Deduct	-12.94	
			For >249, Deduct	-15.46	

**32 39 Manufactured Site Specialties** (32 30)

Note: Excludes coredrilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0025 for concrete core drilling, 02 41 19 13-0163 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

**32 39 13 Manufactured Metal Bollards** (32 39)**32 39 13 00-0001 Metal Pipe Bollards** (32 39 13)

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.

**32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated** (32 39 13 00-0001)

32 39 13 00-0003	LF		4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	56.28	11.77
			For Galvanized Steel, Add	5.57	
			For 304 Stainless Steel, Add	44.20	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	118.16	
			For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	85.00	
			For Schedule 80, Add	7.27	
			For Concrete Fill, Add Per LF Of Pipe Bollard	8.51	
32 39 13 00-0004	LF		6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	75.19	11.77
			For Galvanized Steel, Add	8.78	
			For 304 Stainless Steel, Add	69.73	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	118.16	
			For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	85.00	
			For Schedule 80, Add	10.10	
			For Concrete Fill, Add Per LF Of Pipe Bollard	12.01	
32 39 13 00-0005	LF		8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	106.02	14.72
			For Galvanized Steel, Add	13.02	
			For 304 Stainless Steel, Add	103.41	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	155.68	
			For Each Sleeve For Removable, Lockable Bollard, Add	127.00	
			For Schedule 80, Add	14.43	
			For Concrete Fill, Add Per LF Of Pipe Bollard	16.03	
32 39 13 00-0006	LF		10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	140.11	17.65
			For Galvanized Steel, Add	17.82	
			For 304 Stainless Steel, Add	141.49	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	179.20	
			For Each Sleeve For Removable, Lockable Bollard, Add	138.76	
			For Schedule 80, Add	19.25	
			For Concrete Fill, Add Per LF Of Pipe Bollard	19.60	
32 39 13 00-0007	LF		12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	177.13	23.54
			For Galvanized Steel, Add	22.11	
			For 304 Stainless Steel, Add	175.58	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	247.28	
			For Each Sleeve For Removable, Lockable Bollard, Add	191.01	
			For Schedule 80, Add	24.22	
			For Concrete Fill, Add Per LF Of Pipe Bollard	22.86	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
<b>Site Improvements</b>	<b>32 30</b>	
<b>Manufactured Site Specialties</b>	<b>32 39</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**32 39 23 Manufactured Concrete Bollards** (32 39)

32 39 23 00-001	Concrete Bollards (32 39 23)	Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any.	
32 39 23 00-002	Concrete Bollard, Exposed Aggregate (32 39 23 00-0001)		
32 39 23 00-003	EA 12" x 12" x 30" High Concrete Bollard, Light Sandblast.....	550.87	94.14
	Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 23 00-004	EA 12" Diameter x 30" High Concrete Bollard, Light Sandblast.....	550.87	94.14
	Note: Surface mounted with anchor bolts embedded into grout pockets.		

**32 39 25 Manufactured Wood Bollards** (32 39)

32 39 25 00-001	Wood Bollards (32 39 25)	Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.	
32 39 25 00-002	Wood Bollard, Pressure Treated Timber (32 39 25 00-0001)		
32 39 25 00-003	LF 4" x 4", Pressure Treated Wood Bollard.....	21.67	9.42
	For Each Sleeve For Removable, Lockable Bollard, Add	84.68	
32 39 25 00-004	LF 6" x 6", Pressure Treated Wood Bollard.....	24.67	9.42
	For Each Sleeve For Removable, Lockable Bollard, Add	84.68	
32 39 25 00-005	LF 8" x 8", Pressure Treated Wood Bollard.....	31.57	10.60
	For Each Sleeve For Removable, Lockable Bollard, Add	127.56	
32 39 25 00-006	LF 10" x 10", Pressure Treated Wood Bollard.....	44.44	14.12
	For Each Sleeve For Removable, Lockable Bollard, Add	141.70	
32 39 25 00-007	LF 12" x 12", Pressure Treated Wood Bollard.....	60.97	18.83
	For Each Sleeve For Removable, Lockable Bollard, Add	196.39	

**32 39 27 Manufactured Plastic Bollards** (32 39)

32 39 27 00-001	Plastic Bollards (32 39 27)	See CSI section 32 31 13 13-0001 for augering and filling holes for bollards.	
32 39 27 00-002	Recycled Plastic Bollards (32 39 27 00-0001)		
32 39 27 00-003	EA 6" x 6" x 33" Surface Mounted Recycled Plastic Bollard.....	322.60	47.07
	Note: Includes anchor bolts.		
32 39 27 00-004	EA 6" Diameter x 6" Steel Reinforced Recycled Plastic Bollard.....	525.99	47.07

**32 39 27 00-0005 Plastic Bollard Covers** (32 39 27 00-0001)

32 39 27 00-006	EA 4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	80.94	10.26
	For Reflective Tape, Add	9.59	
32 39 27 00-007	EA 6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	87.43	11.29
	For Reflective Tape, Add	9.59	
32 39 27 00-008	EA 3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe.....	111.15	10.26
	For Reflective Tape, Add	9.59	
32 39 27 00-009	EA 3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe.....	111.15	10.26
	For Reflective Tape, Add	9.59	
32 39 27 00-010	EA 3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe.....	125.24	10.26
	For Reflective Tape, Add	9.59	
32 39 27 00-011	EA 4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe.....	111.15	10.26
	For Reflective Tape, Add	9.59	
32 39 27 00-012	EA 4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	113.16	10.26
	For Reflective Tape, Add	9.59	
32 39 27 00-013	EA 5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe.....	111.15	10.26
	For Reflective Tape, Add	9.59	
32 39 27 00-014	EA 5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe.....	113.16	10.26
	For Reflective Tape, Add	9.59	
32 39 27 00-015	EA 5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe.....	159.48	10.26
	For Reflective Tape, Add	9.59	
32 39 27 00-016	EA 6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	113.20	11.29
	For Reflective Tape, Add	9.59	
32 39 27 00-017	EA 6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	145.42	11.29
	For Reflective Tape, Add	9.59	
32 39 27 00-018	EA 6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	165.98	11.29
	For Reflective Tape, Add	9.59	
32 39 27 00-019	EA 7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	139.41	12.32
	For Reflective Tape, Add	9.59	
32 39 27 00-020	EA 8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe.....	151.50	12.32
	For Reflective Tape, Add	9.59	
32 39 27 00-021	EA 8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe.....	151.50	12.32
	For Reflective Tape, Add	9.59	
32 39 27 00-022	EA 10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe.....	205.89	12.32
	For Reflective Tape, Add	9.59	

**32 39 29 Manufactured Stone Bollards** (32 39)

32 39 29 00-001	Stone Bollards (32 39 29)		
32 39 29 00-002	Granite Bollards (32 39 29 00-0001)		

**32 Exterior Improvements****32 30 Site Improvements****32 39 Manufactured Site Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 29 00-0003	EA		16" x 16" x 30" Granite Bollard, Smooth Matt Finish..... Note: Surface mounted with anchors embedded into grout pockets.	1,192.42	117.68
32 39 29 00-0004	EA		16" x 16" x 54" Granite Bollard, Smooth Matt Finish..... Note: Surface mounted with anchors embedded into grout pockets.	1,512.77	164.75
32 39 29 00-0005	EA		12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top ..... Note: Surface mounted with anchors embedded into grout pockets.	746.95	117.68
32 39 29 00-0006	EA		12" Diameter x 18" Granite Bollard, Smooth Matt Finish ..... Note: Flat Top, surface mounted with anchors embedded into grout pockets.	1,093.14	94.14
32 39 29 00-0007	EA		24" x 24" x 20" Granite Bollard, Octagonal Cross Section ..... Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	1,623.88	94.14

**32 80 Irrigation** <sup>(32)</sup>**32 84 Planting Irrigation** <sup>(32 80)</sup>**32 84 13 Drip Irrigation** <sup>(32 84)</sup>**32 84 13 00-0001 Drip Emitter Irrigation Devices** <sup>(32 84 13)</sup>**32 84 13 00-0002 Drip Emitter Irrigation Valves** <sup>(32 84 13 00-0001)</sup>

32 84 13 00-0003	EA		1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050) .....	44.34	10.60
32 84 13 00-0004	EA		1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV100) .....	69.85	10.60
32 84 13 00-0005	EA		3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075) .....	68.07	10.60
32 84 13 00-0006	EA		3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075TBOS) .....	92.04	10.60

**32 84 13 00-0007 Drip Emitter Irrigation Filters** <sup>(32 84 13 00-0001)</sup>

32 84 13 00-0008	EA		3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075).....	142.70	10.60
32 84 13 00-0009	EA		1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100) .....	144.02	10.60
32 84 13 00-0010	EA		3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX) .....	55.48	10.60
32 84 13 00-0011	EA		1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX) .....	56.54	10.60
32 84 13 00-0012	EA		1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100).....	154.98	10.60
32 84 13 00-0013	EA		3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY) .....	71.35	10.60
32 84 13 00-0014	EA		1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY) .....	79.61	10.60

**32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators** <sup>(32 84 13 00-0001)</sup>

32 84 13 00-0016	EA		3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075) .....	54.41	10.60
32 84 13 00-0017	EA		3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075) .....	54.41	10.60
32 84 13 00-0018	EA		3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075) .....	54.41	10.60
32 84 13 00-0019	EA		1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100) .....	63.10	10.60

**32 84 13 00-0020 Drip Emitter Irrigation Tubing** <sup>(32 84 13 00-0001)</sup>

Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.

32 84 13 00-0021	LF		1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100).....	3.97	1.48
32 84 13 00-0022	LF		1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100).....	3.72	1.69
32 84 13 00-0023	LF		1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100).....	3.13	1.48
			<i>For Shallow Trenching And Backfill By Hand, Add</i>	6.08	
32 84 13 00-0024	LF		1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100) .....	3.70	1.69
			<i>For Shallow Trenching And Backfill By Hand, Add</i>	6.58	

**32 84 13 00-0025 Drip Emitter Irrigation Fittings** <sup>(32 84 13 00-0001)</sup>

32 84 13 00-0026	EA		1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN).....	2.81	
32 84 13 00-0027	EA		1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL) .....	2.84	
32 84 13 00-0028	EA		1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE) .....	2.89	
32 84 13 00-0029	EA		1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025) .....	3.04	
32 84 13 00-0030	EA		1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX) .....	2.79	
32 84 13 00-0031	EA		17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP) .....	2.97	
			<i>For Compression Fitting, Add</i>	0.32	
32 84 13 00-0032	EA		17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW) .....	3.06	
			<i>For Compression Fitting, Add</i>	0.41	
32 84 13 00-0033	EA		17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE) .....	3.10	
			<i>For Compression Fitting, Add</i>	0.45	
32 84 13 00-0034	EA		17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050) .....	3.12	
			<i>For Compression Fitting, Add</i>	0.47	
32 84 13 00-0035	EA		17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS) .....	3.31	
			<i>For Compression Fitting, Add</i>	0.66	
32 84 13 00-0036	EA		1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP).....	3.53	
32 84 13 00-0037	EA		12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND) .....	1.75	





		<b>Exterior Improvements</b>	<b>32</b>
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 84 13 00-0038</b> <b>Drip Emitters</b> <small>(32 84 13 00-0001)</small>		
32 84 13 00-0039     EA     0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC).....	5.78	
32 84 13 00-0040     EA     5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24) .....	6.63	
32 84 13 00-0041     EA     0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056) .....	13.91	
<b>32 84 13 00-0042</b> <b>Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters</b> <small>(32 84 13 00-0001)</small>		
32 84 13 00-0043     EA     Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK) .....	22.52	9.54
32 84 13 00-0044     EA     Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK) .....	22.56	9.54
32 84 13 00-0045     EA     12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL).....	24.89	9.54
32 84 13 00-0046     EA     24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL).....	25.14	9.54
32 84 13 00-0047     EA     4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL) .....	36.46	12.51
Note: Includes nozzle.		
32 84 13 00-0048     EA     6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL) .....	39.47	12.51
Note: Includes nozzle.		
32 84 13 00-0049     EA     12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL) .....	40.23	12.51
Note: Includes nozzle.		
<b>32 84 13 00-0050</b> <b>Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS)</b> <small>(32 84 13 00-0001)</small>		
Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051     LF     0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield) .....	4.28	1.85
<b>32 84 23</b> <b>Underground Sprinklers</b> <small>(32 84)</small>		
<b>32 84 23 00-0001</b> <b>Sprinkler Heads</b> <small>(32 84 23)</small>		
<b>32 84 23 00-0002</b> <b>Spray Sprinkler Heads</b> <small>(32 84 23 00-0001)</small>		
Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003     EA     2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P).....	32.14	11.71
For Rotary Nozzle, Add		
	3.25	
32 84 23 00-0004     EA     4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P).....	30.44	11.71
For Rotary Nozzle, Add		
	3.25	
32 84 23 00-0005     EA     6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P).....	36.75	11.71
For Rotary Nozzle, Add		
	3.25	
32 84 23 00-0006     EA     12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P).....	42.04	11.71
For Rotary Nozzle, Add		
	3.25	
32 84 23 00-0007     EA     4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM) .....	32.81	11.71
For Rotary Nozzle, Add		
	3.25	
32 84 23 00-0008     EA     6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM) .....	41.70	11.71
For Rotary Nozzle, Add		
	3.25	
32 84 23 00-0009     EA     12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM) .....	45.98	11.71
For Rotary Nozzle, Add		
	3.25	
32 84 23 00-0010     EA     4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS).....	35.35	11.71
For Rotary Nozzle, Add		
	3.25	
32 84 23 00-0011     EA     6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS).....	43.45	11.71
For Rotary Nozzle, Add		
	3.25	
32 84 23 00-0012     EA     12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS).....	47.44	11.71
For Rotary Nozzle, Add		
	3.25	
32 84 23 00-0013     EA     4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS).....	36.36	11.71
For Rotary Nozzle, Add		
	3.25	
32 84 23 00-0014     EA     6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS).....	48.79	11.71
For Rotary Nozzle, Add		
	3.25	
32 84 23 00-0015     EA     12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS).....	52.73	11.71
For Rotary Nozzle, Add		
	3.25	
32 84 23 00-0016     EA     Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300) .....	27.12	11.71
For Rotary Nozzle, Add		
	3.25	
32 84 23 00-0017     EA     Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400) .....	31.07	11.71
<b>32 84 23 00-0018</b> <b>Gear-Drive, Rotary Sprinkler Heads</b> <small>(32 84 23 00-0001)</small>		
Note: Maximum spacing is equivalent to maximum radius.		
<b>32 84 23 00-0019</b> <b>1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> <small>(32 84 23 00-0018)</small>		
Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020     EA     4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC) .....	44.63	11.71
For Non-Potable Cover, Add		
	2.00	
32 84 23 00-0021     EA     4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM) .....	46.04	11.71
For Non-Potable Cover, Add		
	2.00	
<b>32 84 23 00-0022</b> <b>3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> <small>(32 84 23 00-0018)</small>		
Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0023	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC).....	41.25	11.71
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0024	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC).....	56.45	11.71
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0025	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS).....	44.07	11.71
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0026	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS).....	58.70	11.71
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0027	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR).....	45.19	11.71
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0028	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR).....	47.44	11.71
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0029	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR).....	62.07	11.71
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0030	EA		12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR).....	71.08	11.71
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0031	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS).....	47.16	11.71
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0032	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR).....	56.17	11.71
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0033			<b>1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> (32 84 23 00-0018) Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA		4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC).....	77.55	11.71
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
			<i>For Stainless Steel Riser And High Speed Rotor, Add</i>	41.42	
32 84 23 00-0035			<b>1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> (32 84 23 00-0018) Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0036	EA		5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005).....	110.19	11.71
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0037			<b>Impact-Drive Sprinkler Heads</b> (32 84 23 00-0001) Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0038	EA		1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08).....	61.79	11.71
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0039	EA		1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08).....	48.29	11.71
32 84 23 00-0040	EA		3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB).....	93.28	11.71
32 84 23 00-0041			<b>Electric Remote Control Irrigation Valves</b> (32 84 23)		
32 84 23 00-0042			<b>0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series)</b> (32 84 23 00-0041) Note: 15 to 150 PSI.		
32 84 23 00-0043	EA		3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV).....	135.50	48.82
32 84 23 00-0044	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV).....	135.50	48.82
32 84 23 00-0045	EA		1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS).....	149.45	55.65
32 84 23 00-0046	EA		1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA).....	136.63	48.82
32 84 23 00-0047			<b>0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series)</b> (32 84 23 00-0041) Note: 15 to 150 PSI.		
32 84 23 00-0048	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF).....	136.63	48.82
32 84 23 00-0049	EA		1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS).....	151.14	55.65
32 84 23 00-0050	EA		1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB).....	152.26	55.65



<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 84 23 00-0051	<b>0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series)</b> <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI.	
32 84 23 00-0052	EA 1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB) .....	226.66 48.82
32 84 23 00-0053	EA 1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB) .....	266.05 48.82
32 84 23 00-0054	EA 2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB) .....	316.69 48.82
32 84 23 00-0055	<b>5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series)</b> <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.	
32 84 23 00-0056	EA 1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D) .....	324.63 54.88
32 84 23 00-0057	EA 1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D) .....	364.02 54.88
32 84 23 00-0058	EA 2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D) .....	414.67 54.88
32 84 23 00-0059	<b>20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series)</b> <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.	
32 84 23 00-0060	EA 1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D) .....	380.90 54.88
32 84 23 00-0061	EA 1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D) .....	420.29 54.88
32 84 23 00-0062	EA 2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D) .....	470.94 54.88
32 84 23 00-0063	<b>0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series)</b> <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure.	
32 84 23 00-0064	EA 1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B) .....	338.69 48.82
32 84 23 00-0065	EA 1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B) .....	519.78 48.82
32 84 23 00-0066	EA 2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B) .....	536.15 48.82
32 84 23 00-0067	EA 3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B) .....	1,261.65 65.91
32 84 23 00-0068	<b>5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series)</b> <small>(32 84 23 00-0041)</small> Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.	
32 84 23 00-0069	EA 1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP) .....	312.42 54.88
32 84 23 00-0070	EA 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP) .....	366.27 54.88
32 84 23 00-0071	EA 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP) .....	424.74 54.88
32 84 23 00-0072	EA 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP) .....	501.72 54.88
32 84 23 00-0073	<b>0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series)</b> <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.	
32 84 23 00-0074	EA 1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS) .....	413.64 54.88
32 84 23 00-0075	EA 1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS) .....	628.49 54.88
32 84 23 00-0076	EA 2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS) .....	646.91 54.88
32 84 23 00-0077	EA 3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS) .....	1,348.76 54.88
32 84 23 00-0078	<b>0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series)</b> <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.	
32 84 23 00-0079	EA 1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ) .....	420.54 48.82
32 84 23 00-0080	EA 1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ) .....	601.62 48.82
32 84 23 00-0081	EA 2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ) .....	617.99 48.82
32 84 23 00-0082	EA 3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ) .....	1,343.50 65.91

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 84 23 00-0083		<b>5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series)</b> (32 84 23 00-0041) Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0084	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D).....	396.83	54.88
32 84 23 00-0085	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D).....	450.68	54.88
32 84 23 00-0086	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D).....	509.14	54.88
32 84 23 00-0087	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D).....	586.12	54.88
32 84 23 00-0088		<b>0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series)</b> (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0089	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ).....	495.49	54.88
32 84 23 00-0090	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ).....	710.34	54.88
32 84 23 00-0091	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ).....	728.76	54.88
32 84 23 00-0092	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ).....	1,430.60	54.88
32 84 23 00-0093		<b>Other Electric Remote Control Valves/Accessories</b> (32 84 23 00-0041)		
32 84 23 00-0094	EA	Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL).....	123.46	
32 84 23 00-0095		<b>Remote Control Valve Assemblies</b> (32 84 23 00-0041) Note: Includes excavation and disposal of soil, installation of 6" minimum depth gravel or crushed rock, woven wire cloth, valve, fittings, valve box (Carson 1419-12), as detailed in the Caltrans Standard Plans 2010 page 224.		
32 84 23 00-0096	EA	1" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12).....	489.48	122.06
32 84 23 00-0097	EA	1-1/2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12).....	528.87	122.06
32 84 23 00-0098	EA	2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12).....	579.52	122.06
32 84 23 00-0099	EA	1" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)..... Note: Purple components for use with recycled water	545.75	122.06
32 84 23 00-0100	EA	1-1/2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)..... Note: Purple components for use with recycled water	585.14	122.06
32 84 23 00-0101	EA	2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)..... Note: Purple components for use with recycled water	635.79	122.06
32 84 23 00-0102	EA	1" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)..... Note: Purple components for use with recycled water	561.68	122.06
32 84 23 00-0103	EA	1-1/2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)..... Note: Purple components for use with recycled water	673.99	122.06
32 84 23 00-0104	EA	2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)..... Note: Purple components for use with recycled water	750.97	122.06
32 84 23 00-0105		<b>Irrigation Valve Boxes</b> (32 84 23) Note: Includes lid.		
32 84 23 00-0106	EA	6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND).....	82.51	35.15
32 84 23 00-0107	EA	7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND).....	95.80	35.15
32 84 23 00-0108	EA	10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND).....	125.68	46.28
32 84 23 00-0109	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD).....	219.25	67.57
32 84 23 00-0110	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH).....	224.03	67.57
32 84 23 00-0111	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB).....	258.33	67.57
32 84 23 00-0112	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH).....	262.42	67.57
32 84 23 00-0113	EA	33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH).....	458.45	67.57
32 84 23 00-0114	EA	40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH).....	712.36	67.57
32 84 23 00-0115	EA	Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Concrete Lid.....	413.42	118.92
		For 12" Extension, Add	90.74	
32 84 23 00-0116	EA	Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Steel Lid.....	662.84	118.92
		For 12" Extension, Add	90.74	
32 84 23 00-0117	EA	12" x 17" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1419-12).....	179.30	58.59
32 84 23 00-0118	EA	15" x 21" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1220-12).....	260.49	67.57
32 84 23 00-0119	EA	10" Round Irrigation Valve Box With Lid (Carson 910-10).....	137.73	46.28



<b>Exterior Improvements</b>		<b>32</b>
<b>Irrigation</b>		<b>32 80</b>
<b>Planting Irrigation</b>		<b>32 84</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0120 Irrigation Controllers <small>(32 84 23)</small> See CSI section 27 15 13 00-0256 for low voltage wiring.		
32 84 23 00-0121 Irrigation Controllers <small>(32 84 23 00-0120)</small>		
32 84 23 00-0122 Irrigation Controllers (Rain Bird®) <small>(32 84 23 00-0121)</small>		
32 84 23 00-0123 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) <small>(32 84 23 00-0122)</small>		
32 84 23 00-0124 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) <small>(32 84 23 00-0123)</small>		
32 84 23 00-0125 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) <small>(32 84 23 00-0124)</small>		
32 84 23 00-0126 EA 4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	351.82	31.74
32 84 23 00-0127 EA 7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	491.26	31.74
32 84 23 00-0128 EA 10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	630.72	31.74
32 84 23 00-0129 EA 13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	770.16	31.74
32 84 23 00-0130 EA 16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	877.87	31.74
32 84 23 00-0131 EA 19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	1,021.29	31.74
32 84 23 00-0132 EA 22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	1,164.71	31.74
32 84 23 00-0133 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) <small>(32 84 23 00-0124)</small>		
32 84 23 00-0134 EA 4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	413.38	31.74
32 84 23 00-0135 EA 7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	552.82	31.74
32 84 23 00-0136 EA 10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	692.28	31.74
32 84 23 00-0137 EA 13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	831.72	31.74
32 84 23 00-0138 EA 16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	939.43	31.74
32 84 23 00-0139 EA 19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,082.85	31.74
32 84 23 00-0140 EA 22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,226.27	31.74
32 84 23 00-0141 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) <small>(32 84 23 00-0123)</small>		
32 84 23 00-0142 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) <small>(32 84 23 00-0141)</small>		
32 84 23 00-0143 EA 4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	565.66	31.74
32 84 23 00-0144 EA 7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	705.10	31.74
32 84 23 00-0145 EA 10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	844.56	31.74
32 84 23 00-0146 EA 13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	984.00	31.74
32 84 23 00-0147 EA 16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,091.72	31.74
32 84 23 00-0148 EA 19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,235.13	31.74
32 84 23 00-0149 EA 22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,378.55	31.74
32 84 23 00-0150 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) <small>(32 84 23 00-0141)</small>		
32 84 23 00-0151 EA 4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	611.79	31.74
32 84 23 00-0152 EA 7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	751.23	31.74
32 84 23 00-0153 EA 10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	890.69	31.74
32 84 23 00-0154 EA 13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,030.12	31.74
32 84 23 00-0155 EA 16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,137.84	31.74
32 84 23 00-0156 EA 19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,281.26	31.74
32 84 23 00-0157 EA 22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,424.68	31.74
32 84 23 00-0158 Accessories For ESP-ME/MEI Irrigation Controllers <small>(32 84 23 00-0123)</small>		
32 84 23 00-0159 EA 3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	143.42	
32 84 23 00-0160 EA 6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	273.99	
32 84 23 00-0161 EA Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG) .....	394.06	
32 84 23 00-0162 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) <small>(32 84 23 00-0122)</small>		
32 84 23 00-0163 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) <small>(32 84 23 00-0162)</small>		
32 84 23 00-0164 EA 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	837.51	31.74
32 84 23 00-0165 EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,013.42	31.74
32 84 23 00-0166 EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,192.31	31.74
32 84 23 00-0167 EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,368.21	31.74
32 84 23 00-0168 EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,547.11	31.74
32 84 23 00-0169 EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,723.02	31.74

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0170 EA 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,901.91	31.74
32 84 23 00-0171 EA 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,077.82	31.74
32 84 23 00-0172 EA 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,256.72	31.74
32 84 23 00-0173 EA 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,432.62	31.74
<b>32 84 23 00-0174 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) (32 84 23 00-0162)</b>		
32 84 23 00-0175 EA 8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	840.74	31.74
32 84 23 00-0176 EA 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,016.65	31.74
32 84 23 00-0177 EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,195.54	31.74
32 84 23 00-0178 EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,371.44	31.74
32 84 23 00-0179 EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,550.33	31.74
32 84 23 00-0180 EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,726.24	31.74
32 84 23 00-0181 EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,905.14	31.74
32 84 23 00-0182 EA 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,081.05	31.74
32 84 23 00-0183 EA 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,259.94	31.74
32 84 23 00-0184 EA 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,435.85	31.74
32 84 23 00-0185 EA 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,614.74	31.74
<b>32 84 23 00-0186 Accessories For ESP-LX/LXME Irrigation Controllers (32 84 23 00-0162)</b>		
32 84 23 00-0187 EA Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM).....	624.21	
32 84 23 00-0188 EA Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMPED + LXMM).....	1,449.96	
Note: Excludes concrete foundation.		
32 84 23 00-0189 EA Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS).....	1,378.06	
32 84 23 00-0190 EA Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS).....	3,062.17	
Note: Excludes concrete foundation.		
32 84 23 00-0191 EA 4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4).....	175.91	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0192 EA 8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8).....	354.81	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0193 EA 12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12).....	551.24	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0194 EA Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME).....	205.29	
<b>32 84 23 00-0195 Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0122)</b>		
<b>32 84 23 00-0196 Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0195)</b>		
32 84 23 00-0197 EA 1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	408.70	31.74
32 84 23 00-0198 EA 2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	492.68	31.74
32 84 23 00-0199 EA 4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	609.90	31.74
<b>32 84 23 00-0200 Accessories For TBOS-II Series Irrigation Controllers (32 84 23 00-0195)</b>		
32 84 23 00-0201 EA Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS).....	522.47	
32 84 23 00-0202 EA Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL).....	102.38	23.80
<b>32 84 23 00-0203 Accessories For Irrigation Controllers (Rain Bird®) (32 84 23 00-0122)</b>		
32 84 23 00-0204 EA Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX).....	144.48	23.80
32 84 23 00-0205 EA Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC).....	297.53	23.80
32 84 23 00-0206 EA Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC).....	315.44	23.80
32 84 23 00-0207 EA Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y).....	470.69	23.80
<b>32 84 23 00-0208 Two-Wire Decoder Systems (32 84 23 00-0120)</b>		
<b>32 84 23 00-0209 Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0208)</b>		
<b>32 84 23 00-0210 Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) (32 84 23 00-0209)</b>		
Note: Includes water resistant cabinet.		
32 84 23 00-0211 EA 50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	2,436.74	31.74
32 84 23 00-0212 EA 125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	3,454.94	31.74
32 84 23 00-0213 EA 200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	4,473.13	31.74
<b>32 84 23 00-0214 Field Decoders For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0209)</b>		
32 84 23 00-0215 EA One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF).....	297.53	31.74
32 84 23 00-0216 EA One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF).....	379.10	31.74
32 84 23 00-0217 EA Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF).....	568.15	31.74
32 84 23 00-0218 EA Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF).....	694.70	31.74



<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0219 EA Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF).....	1,153.06	31.74
<b>32 84 23 00-0220 Accessories For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0209)</b>		
32 84 23 00-0221 EA 50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD).....	1,806.95	
32 84 23 00-0222 EA 75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75).....	1,018.19	
32 84 23 00-0223 EA Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF).....	224.70	27.77
32 84 23 00-0224 EA Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF).....	1,027.26	31.74
<b>32 84 23 00-0225 Rain Bird® Controllers (32 84 23 00-0120)</b>		
32 84 23 00-0226 EA Rainmaster Evolution Dx2 Controller..... Note: Includes phone modem and remote plug.	7,075.87	300.73
32 84 23 00-0227 EA Rainmaster Promax Remote Control System.....	4,160.80	
<b>32 84 23 00-0228 Rain Sensor (32 84 23 00-0120)</b>		
32 84 23 00-0229 EA Mini Click Rain Sensor.....	158.79	
<b>32 84 23 00-0230 Calsense Controllers (32 84 23 00-0120)</b>		
<b>32 84 23 00-0231 Irrigation Controllers (32 84 23 00-0230)</b>		
32 84 23 00-0232 EA 6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6).....	2,585.19	79.34
32 84 23 00-0233 EA 8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8).....	3,338.61	89.26
32 84 23 00-0234 EA 12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12).....	4,588.62	99.18
32 84 23 00-0235 EA 16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16).....	5,051.35	99.18
32 84 23 00-0236 EA 24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24).....	5,974.06	109.10
32 84 23 00-0237 EA 32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32).....	7,215.52	109.10
32 84 23 00-0238 EA 40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40).....	8,172.10	119.02
32 84 23 00-0239 EA 48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48).....	9,153.98	119.02
32 84 23 00-0240 EA Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE).....	2,644.34	39.68
32 84 23 00-0241 EA Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE).....	1,105.34	39.68
<b>32 84 23 00-0242 Irrigation Controller Accessories (32 84 23 00-0230)</b>		
32 84 23 00-0243 EA Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1).....	108.35	
32 84 23 00-0244 EA Spare Lock For Enclosures (Calsense PAD).....	117.37	
32 84 23 00-0245 EA Hardware And Software For Up To 4 Additional Light Circuits (Calsense L).....	137.21	9.92
32 84 23 00-0246 EA Transformer For Irrigation Controllers (Calsense TR-1).....	192.20	39.68
32 84 23 00-0247 EA AC Line Protection For Irrigation Controllers (Calsense TP-110).....	542.07	39.68
32 84 23 00-0248 EA Transient Protection Board For Irrigation Controller Stations (Calsense TP-1)..... <i>For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add</i>	722.64 348.53	39.68
<b>32 84 23 00-0249 Sensors For Irrigation Controllers (32 84 23 00-0230)</b>		
<b>32 84 23 00-0250 Flow Sensors (32 84 23 00-0249)</b>		
32 84 23 00-0251 EA 1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,270.19 -895.84	59.51
32 84 23 00-0252 EA 2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,315.34 -940.99	59.51
32 84 23 00-0253 EA 3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,360.48 -986.13	59.51
32 84 23 00-0254 EA 1" Brass Tee Mounted Flow Meter (Calsense FM 1B)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,501.73 -1,127.07	79.34
32 84 23 00-0255 EA 1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,614.59 -1,239.93	79.34
32 84 23 00-0256 EA 1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,659.74 -1,285.08	79.34
32 84 23 00-0257 EA 2" Brass Tee Mounted Flow Meter (Calsense FM 2B)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,953.17 -1,450.32	79.34
32 84 23 00-0258 EA 2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX)..... Note: For 4" and larger pipe. Excludes pipe saddle. <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,523.95 -1,021.11	39.68
<b>32 84 23 00-0259 Moisture Sensors (32 84 23 00-0249)</b>		
32 84 23 00-0260 EA Soil Moisture Sensor (Calsense 1000-S).....	533.52	29.76
<b>32 84 23 00-0261 Weather Sensors (32 84 23 00-0249)</b>		
32 84 23 00-0262 EA Wind Gage, Irrigation Weather Sensor (Calsense WG-1).....	1,456.59	79.34
32 84 23 00-0263 EA Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1).....	1,660.42	158.70
32 84 23 00-0264 EA ET Gage, Irrigation Weather Sensor (Calsense ETG).....	3,341.69	119.02
<b>32 84 23 00-0265 Weather Sensor Accessories (32 84 23 00-0249)</b>		
32 84 23 00-0266 EA Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C).....	982.22	

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0267 EA Removal And Replacement Of Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB) .....	1,862.53	
32 84 23 00-0268 EA Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE).....	982.22	39.68
32 84 23 00-0269 EA Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE).....	2,285.59	39.68
<b>32 84 23 00-0270 Antennas For Irrigation Controllers (32 84 23 00-0230)</b>		
Note: Excludes antenna cable.		
32 84 23 00-0271 EA Local Radio Dome Antenna (Calsense LR-DOME) .....	508.21	39.68
32 84 23 00-0272 EA Local Radio Stick Antenna (Calsense LR-STICK) .....	745.21	39.68
32 84 23 00-0273 EA Local Radio Yagi Antenna (Calsense LR-YAGI) .....	824.57	79.34
32 84 23 00-0274 EA Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR) .....	508.21	39.68
32 84 23 00-0275 EA Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE) .....	508.21	39.68
32 84 23 00-0276 EA GPRS Stubby Antenna (Calsense GR-STUBBY) .....	508.21	39.68
32 84 23 00-0277 EA GPRS Stick Antenna (Calsense GR-STICK) .....	745.21	39.68
32 84 23 00-0278 EA Spread Spectrum Dome Antenna (Calsense SR-DOME) .....	508.21	39.68
32 84 23 00-0279 EA Spread Spectrum Stick Antenna (Calsense SR-STICK) .....	745.21	39.68
32 84 23 00-0280 EA Spread Spectrum Yagi Antenna (Calsense SR-YAGI).....	824.57	79.34
32 84 23 00-0281 EA Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR).....	508.21	39.68
32 84 23 00-0282 EA Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE) .....	508.21	39.68
32 84 23 00-0283 EA Spread Spectrum Stubby Antenna (Calsense SR-STUBBY) .....	508.21	39.68
32 84 23 00-0284 EA WiFi Stubby Antenna (Calsense WEN-STUBBY) .....	508.21	39.68
32 84 23 00-0285 LF Antenna Cable With End Connectors (Calsense LMR-400-DB) .....	14.04	0.47
32 84 23 00-0286 EA Surge Protection Device For Antenna (Calsense ANT-PROT) .....	513.69	19.84
32 84 23 00-0287 EA 5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIPS).....	835.50	39.68
32 84 23 00-0288 EA 3' Antenna Stand Off Mount For 3' Maximum Tower Leg (Calsense ANT-SOM) .....	733.59	
32 84 23 00-0289 EA Local Radio Frequency Filter (Calsense LR-FILTER).....	1,038.31	
32 84 23 00-0290 EA Spread Spectrum Frequency Filter (Calsense SR-FILTER) .....	767.45	
<b>32 84 23 00-0291 Pedestals And Enclosures For Irrigation Controllers (32 84 23 00-0230)</b>		
32 84 23 00-0292 EA 15 Amperes, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER).....	457.60	59.51
32 84 23 00-0293 EA Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX) .....	1,121.77	99.18
32 84 23 00-0294 EA Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP) .....	1,264.37	39.68
Note: Includes GFI and receptacle.		
32 84 23 00-0295 EA Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1) .....	1,515.40	29.76
Note: Includes factory installed transient protection board and AC line protection.		
32 84 23 00-0296 EA Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE).....	4,767.31	29.76
Note: Includes factory installed transient protection board and AC line protection.		
32 84 23 00-0297 EA Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R).....	5,386.50	29.76
Note: Includes factory installed transient protection board, AC line protection and dome antenna.		
32 84 23 00-0298 EA Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D) .....	7,810.94	59.51
Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.		
32 84 23 00-0299 EA Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R) .....	8,188.00	59.51
Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.		
32 84 23 00-0300 EA Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM) .....	266.08	
32 84 23 00-0301 EA Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED).....	860.82	
<b>32 84 23 00-0302 Central Computer For Irrigation Control Systems (32 84 23 00-0230)</b>		
32 84 23 00-0303 EA Central Computer For Irrigation Control Systems (Calsense COMP-2).....	6,009.62	
Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.		
32 84 23 00-0304 EA Command Center Water Management Software For Central Computer (Calsense COMM-1).....	10,647.14	
32 84 23 00-0305 EA Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5).....	2,040.38	
Note: Package price for up to 5 users. Includes remote communication through internet connection.		
32 84 23 00-0306 EA >5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10) .....	4,025.20	
Note: Package price for 6 to 10 users. Includes remote communication through internet connection.		
32 84 23 00-0307 EA Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2) .....	6,483.64	
32 84 23 00-0308 EA GPRS Radio For Use At Central Computer (Calsense DTR-G).....	3,878.28	
<b>32 84 23 00-0309 Data Access Service (32 84 23 00-0230)</b>		
32 84 23 00-0310 EA 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN) .....	32.83	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0311 EA 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR) .....	359.10	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0312 EA 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR) .....	1,539.00	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0313 EA 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M) .....	133.38	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0314 EA 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M) .....	1,436.40	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0315 EA 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M) .....	6,156.00	
Note: For communication between GPRS unit and multiple controllers.		
<b>32 84 23 00-0316 Communication Options For Irrigation Controllers (32 84 23 00-0230)</b>		
32 84 23 00-0317 EA FCC License Fee (Calsense).....	214.10	
32 84 23 00-0318 EA P.C.I.A. And/Or A.P.C.O. Fee (Calsense).....	419.30	
Note: Per frequency or frequency pair.		





<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0319	EA	Hardware Communication Option For Irrigation Controllers (Calsense M) ..... Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.	1,190.16	
32 84 23 00-0320	EA	Phone Line Communication Option For Irrigation Controllers (Calsense R).....	1,251.72	
32 84 23 00-0321	EA	Ethernet Communication Option For Irrigation Controllers (Calsense EN).....	1,251.72	
32 84 23 00-0322	EA	WiFi Communication Option For Irrigation Controllers (Calsense WEN).....	2,565.00	
32 84 23 00-0323	EA	Local Radio Communication Option For Irrigation Controllers (Calsense LR).....	3,262.68	
32 84 23 00-0324	EA	Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR).....	3,262.68	
32 84 23 00-0325	EA	GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR).....	3,262.68	
32 84 23 00-0326	EA	Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM).....	10,465.20	
32 84 23 00-0327	EA	Communication Hub For Irrigation Controllers (Calsense HUB)..... Note: Accepts up to two communication options. Excludes communication options.	4,025.69	
<b>32 84 23 00-0328</b>		<b>Retrofit Options For Irrigation Controllers</b> (32 84 23 00-0230)		
<b>32 84 23 00-0329</b>		<b>Weather Retrofits For Irrigation Controllers</b> (32 84 23 00-0328)		
32 84 23 00-0330	EA	Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO).....	1,587.56	
32 84 23 00-0331	EA	Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO).....	1,587.56	
32 84 23 00-0332	EA	Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO).....	1,587.56	
32 84 23 00-0333	EA	Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO).....	1,587.56	
<b>32 84 23 00-0334</b>		<b>Phone Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0328)		
32 84 23 00-0335	EA	Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO).....	1,669.64	
32 84 23 00-0336	EA	Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO).....	1,977.44	
32 84 23 00-0337	EA	Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO).....	3,177.86	
<b>32 84 23 00-0338</b>		<b>Local Radio Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0328)		
32 84 23 00-0339	EA	Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO).....	1,874.84	
32 84 23 00-0340	EA	Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO).....	3,967.88	
32 84 23 00-0341	EA	Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO).....	5,158.04	
<b>32 84 23 00-0342</b>		<b>Spread Spectrum Radio Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0328)		
32 84 23 00-0343	EA	Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro).....	1,874.84	
32 84 23 00-0344	EA	Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO).....	3,967.88	
32 84 23 00-0345	EA	Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO).....	5,158.04	
<b>32 84 23 00-0346</b>		<b>Ethernet Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0328)		
32 84 23 00-0347	EA	Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro).....	1,874.84	
32 84 23 00-0348	EA	Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO).....	1,977.44	
32 84 23 00-0349	EA	Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO).....	3,177.86	
<b>32 84 23 00-0350</b>		<b>GPRS Radio Modem Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0328)		
32 84 23 00-0351	EA	Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO).....	1,874.84	
32 84 23 00-0352	EA	Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO).....	3,967.88	
32 84 23 00-0353	EA	Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO).....	5,158.04	
<b>32 84 23 00-0354</b>		<b>Radio Remote Units For Irrigation Controllers</b> (32 84 23 00-0230)		
32 84 23 00-0355	EA	Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN).....	1,885.10	
32 84 23 00-0356	EA	Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe)..... Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.	406.30	
32 84 23 00-0357	EA	Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG).....	174.42	
32 84 23 00-0358	EA	Removal And Replacement Of Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT).....	307.12	
32 84 23 00-0359	EA	Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT)..... Note: Excludes antenna cable.	194.26	9.92
32 84 23 00-0360	EA	Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP)..... Note: Excludes antenna cable.	378.94	9.92
32 84 23 00-0361	EA	Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome)..... Note: Excludes antenna cable.	409.72	9.92
<b>32 84 23 00-0362</b>		<b>Satellite Irrigation Controllers (Rain Bird® ESP-SAT)</b> (32 84 23 00-0120) Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0363 EA 12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS) .....	4,399.02	178.53
32 84 23 00-0364 EA 24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS) .....	4,639.12	188.45
32 84 23 00-0365 EA 40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS) .....	6,460.30	198.37
<b>32 84 23 00-0366 LEIT Controllers</b> (32 84 23 00-0120)		
<b>32 84 23 00-0367 LEIT X Series Irrigation Controller</b> (32 84 23 00-0366)		
32 84 23 00-0368 EA 10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) .....	4,145.70	31.74
32 84 23 00-0369 EA 12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) .....	4,549.95	31.74
32 84 23 00-0370 EA 16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) .....	5,203.94	31.74
32 84 23 00-0371 EA 20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) .....	5,857.93	31.74
32 84 23 00-0372 EA 24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) .....	6,317.72	31.74
32 84 23 00-0373 EA 28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) .....	6,777.52	31.74
<b>32 84 23 00-0374 LEIT X Series Irrigation Controller Assembly</b> (32 84 23 00-0366)		
Note: Includes excavation and concrete for footing, 2" diameter galvanized steel pole (minimum 18" bury), 2" sweeps, controller, and number 5 concrete box with non-traffic rated lid per detail.		
32 84 23 00-0375 EA 10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole .....	4,669.59	165.75
32 84 23 00-0376 EA 12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole .....	5,073.85	165.75
32 84 23 00-0377 EA 16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole .....	5,727.83	165.75
32 84 23 00-0378 EA 20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole .....	6,381.82	165.75
32 84 23 00-0379 EA 24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole .....	6,841.63	165.75
32 84 23 00-0380 EA 28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole .....	7,301.42	165.75
<b>32 84 23 00-0381 Enclosure For LEIT Controller Assembly</b> (32 84 23 00-0366)		
Note: Includes mounting bolts to concrete foundation and installation of enclosure per detail.		
32 84 23 00-0382 EA 12" x 12" x 54" Milled Steel, #9 Expanded Metal, Painted Per Detail, Enclosure With Access Hatch .....	3,182.16	236.83
Note: For LEIT Controller		
<b>32 84 23 00-0383 Hunter Controllers</b> (32 84 23 00-0120)		
<b>32 84 23 00-0384 Hunter XC Hybrid Controller</b> (32 84 23 00-0383)		
Note: Operates DC latching solenoids with battery power or a plug in 24 VAC transformer. Includes 6 AA batteries, outdoor stainless steel enclosure and installation of controller in Irrigation Controller Enclosure.		
32 84 23 00-0385 EA 6 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-600-SS) .....	673.23	79.34
32 84 23 00-0386 EA 12 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-1200-SS) .....	857.01	99.18
<b>32 84 23 00-0387 DC Latching Solenoid</b> (32 84 23 00-0120)		
32 84 23 00-0388 EA DC Latching Solenoid (Micro Power Solenoid) For Non LEIT Controllers .....	36.56	
Note: As per manufacture of valve.		
32 84 23 00-0389 EA DC Solenoid For LEIT Controllers (DIG S-305DC) .....	58.43	
<b>32 84 23 00-0390 Irrigation Controller Enclosure Cabinet</b> (32 84 23 00-0120)		
Note: Includes excavation, installation of concrete foundation, mounting bolts, sweeps, number 5 concrete pull box with non-traffic rated lid and installation of enclosure per detail.		
32 84 23 00-0391 EA 35" (H) x 18" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan) .....	2,972.91	436.04
32 84 23 00-0392 EA 35" (H) x 24" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan) .....	3,206.29	475.68
32 84 23 00-0393 EA 35" (H) x 36" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan) .....	3,545.31	515.32
32 84 23 00-0394 EA 35" (H) x 18" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Irrigation Controller Enclosure Cabinet, .....	2,972.93	436.04
32 84 23 00-0395 EA 35" (H) x 24" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet .....	3,206.29	475.68
32 84 23 00-0396 EA 35" (H) x 36" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet .....	3,545.31	515.32
32 84 23 00-0397 EA 35" (H) x 18" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet .....	3,716.25	436.04
32 84 23 00-0398 EA 35" (H) x 24" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet .....	4,042.52	475.68
32 84 23 00-0399 EA 35" (H) x 36" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet .....	4,381.55	515.32
<b>32 84 23 00-0400 Irrigation Valves</b> (32 84 23)		
<b>32 84 23 00-0401 Reduced Pressure Zone Valves With QT Shut-Offs</b> (32 84 23 00-0400)		
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0402 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series) .....	784.56	40.29
32 84 23 00-0403 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....	930.58	49.20
32 84 23 00-0404 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....	1,410.01	57.25
32 84 23 00-0405 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....	1,489.74	65.73
32 84 23 00-0406 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....	1,786.09	84.81
<b>32 84 23 00-0407 Brass Quick-Coupling Irrigation Valves</b> (32 84 23 00-0400)		
32 84 23 00-0408 EA 3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC) .....	150.14	35.15
For Valve Key, Add	41.36	



<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0409 EA 3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC) ..... <i>For Locking Cover, Add</i> <i>For Valve Key, Add</i>	154.92 25.00 41.36	35.15
32 84 23 00-0410 EA 1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC)..... <i>For Valve Key, Add</i>	207.53 105.79	35.15
32 84 23 00-0411 EA 1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC)..... <i>For Valve Key, Add</i>	226.66 105.79	35.15
32 84 23 00-0412 EA 1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP).....	217.66	35.15
32 84 23 00-0413 EA 1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP).....	226.66	35.15
<b>32 84 23 00-0414 Anti-Siphon Pressure Type Vacuum Breaker</b> (32 84 23 00-0400) Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0415 EA 3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	262.80	29.68
32 84 23 00-0416 EA 1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	376.92	33.92
32 84 23 00-0417 EA 1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	684.73	39.23
32 84 23 00-0418 EA 1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	834.09	43.46
32 84 23 00-0419 EA 2" Anti-Siphon Pressure Type Vacuum Breaker.....	840.92	53.02
<b>32 84 23 00-0420 Aluminum Cam And Groove Adapter</b> (32 84 23 00-0400)		
32 84 23 00-0421 EA 1-1/2" Type A Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Female Pipe Thread.....	38.40	
32 84 23 00-0422 EA 2" Type A Aluminum Cam And Groove Male Adapter x 2" NPT Female Pipe Thread.....	40.57	
32 84 23 00-0423 EA 1-1/2" Type F Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Male Pipe Thread.....	39.57	
32 84 23 00-0424 EA 2" Type F Aluminum Cam And Groove Male Adapter x 2" NPT Male Pipe Thread.....	42.76	
<b>32 84 23 00-0425 Manual Sprinkler Control Valves</b> (32 84 23 00-0400)		
32 84 23 00-0426 EA 3/4" Manual Sprinkler Control Valves, With Union.....	92.84	28.62
32 84 23 00-0427 EA 1" Manual Sprinkler Control Valves, With Union.....	113.17	30.75
32 84 23 00-0428 EA 1-1/4" Manual Sprinkler Control Valves, With Union.....	174.65	38.91
32 84 23 00-0429 EA 1-1/2" Manual Sprinkler Control Valves, With Union.....	207.22	44.85
32 84 23 00-0430 EA 2" Manual Sprinkler Control Valves, With Union.....	278.92	53.02
<b>32 84 23 00-0431 Irrigation Piping</b> (32 84 23)		
<b>32 84 23 00-0432 Irrigation Piping With Fittings, On Grade With Pipe Stabilizers</b> (32 84 23 00-0431) Note: Install stabilizers every 20', at change of direction and at sprinkler heads less than 12" tall.		
<b>32 84 23 00-0433 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers</b> (32 84 23 00-0432)		
32 84 23 00-0434 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers..... <i>For &gt;1,000, Deduct</i>	2.86 -0.14	0.98
32 84 23 00-0435 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers..... <i>For &gt;1,000, Deduct</i>	3.47 -0.17	1.22
32 84 23 00-0436 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers..... <i>For &gt;1,000, Deduct</i>	4.17 -0.21	1.46
32 84 23 00-0437 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers..... <i>For &gt;1,000, Deduct</i>	5.49 -0.27	1.85
32 84 23 00-0438 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers..... <i>For &gt;1,000, Deduct</i>	6.85 -0.34	2.33
32 84 23 00-0439 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers..... <i>For &gt;1,000, Deduct</i>	8.66 -0.43	2.71
32 84 23 00-0440 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers..... <i>For &gt;1,000, Deduct</i>	11.89 -0.59	3.90
32 84 23 00-0441 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers..... <i>For &gt;1,000, Deduct</i>	15.45 -0.77	4.88
32 84 23 00-0442 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers..... <i>For &gt;1,000, Deduct</i>	21.81 -1.09	6.10
<b>32 84 23 00-0443 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers</b> (32 84 23 00-0432)		
32 84 23 00-0444 LF 3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers..... <i>For &gt;1,000, Deduct</i>	3.29 -0.16	1.22
32 84 23 00-0445 LF 1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers..... <i>For &gt;1,000, Deduct</i>	3.87 -0.19	1.46
32 84 23 00-0446 LF 1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers..... <i>For &gt;1,000, Deduct</i>	5.29 -0.26	1.85
32 84 23 00-0447 LF 2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers..... <i>For &gt;1,000, Deduct</i>	6.68 -0.33	2.33
32 84 23 00-0448 LF 2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers..... <i>For &gt;1,000, Deduct</i>	8.40 -0.42	2.71
32 84 23 00-0449 LF 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers..... <i>For &gt;1,000, Deduct</i>	11.79 -0.59	3.90
32 84 23 00-0450 LF 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers..... <i>For &gt;1,000, Deduct</i>	16.01 -0.80	4.88
32 84 23 00-0451 LF 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers..... <i>For &gt;1,000, Deduct</i>	25.29 -1.26	6.10

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0452			<b>Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers</b> (32 84 23 00-0432)		
32 84 23 00-0453	LF		3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	3.44	1.22
			<i>For &gt;1,000, Deduct</i>	-0.17	
32 84 23 00-0454	LF		1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	4.07	1.46
			<i>For &gt;1,000, Deduct</i>	-0.20	
32 84 23 00-0455	LF		1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	5.67	1.85
			<i>For &gt;1,000, Deduct</i>	-0.28	
32 84 23 00-0456	LF		2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	7.32	2.33
			<i>For &gt;1,000, Deduct</i>	-0.37	
32 84 23 00-0457	LF		2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	9.42	2.71
			<i>For &gt;1,000, Deduct</i>	-0.47	
32 84 23 00-0458	LF		3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	11.89	3.90
			<i>For &gt;1,000, Deduct</i>	-0.59	
32 84 23 00-0459	LF		4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	15.45	4.88
			<i>For &gt;1,000, Deduct</i>	-0.77	
32 84 23 00-0460	LF		6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	22.15	6.10
			<i>For &gt;1,000, Deduct</i>	-1.11	
32 84 23 00-0461			<b>Irrigation Piping With Fittings, Trenching, Cover, Backfilled And Compacted</b> (32 84 23 00-0431)		
			Note: Install thrust blocks per Caltrans details for 3" piping and larger, upstream of remote control valve.		
32 84 23 00-0462			<b>Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted</b> (32 84 23 00-0461)		
32 84 23 00-0463	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	5.54	1.22
			<i>For &gt;1,000, Deduct</i>	-0.28	
32 84 23 00-0464	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	6.25	1.46
			<i>For &gt;1,000, Deduct</i>	-0.31	
32 84 23 00-0465	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	7.56	1.85
			<i>For &gt;1,000, Deduct</i>	-0.38	
32 84 23 00-0466	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	8.92	2.33
			<i>For &gt;1,000, Deduct</i>	-0.45	
32 84 23 00-0467	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	10.74	2.71
			<i>For &gt;1,000, Deduct</i>	-0.54	
32 84 23 00-0468	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	13.97	3.90
			<i>For &gt;1,000, Deduct</i>	-0.70	
32 84 23 00-0469	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	17.52	4.88
			<i>For &gt;1,000, Deduct</i>	-0.88	
32 84 23 00-0470	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	23.89	6.10
			<i>For &gt;1,000, Deduct</i>	-1.19	
32 84 23 00-0471			<b>Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted</b> (32 84 23 00-0461)		
32 84 23 00-0472	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	5.79	1.22
			<i>For &gt;1,000, Deduct</i>	-0.29	
32 84 23 00-0473	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	6.50	1.46
			<i>For &gt;1,000, Deduct</i>	-0.33	
32 84 23 00-0474	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	7.81	1.85
			<i>For &gt;1,000, Deduct</i>	-0.39	
32 84 23 00-0475	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	9.17	2.33
			<i>For &gt;1,000, Deduct</i>	-0.46	
32 84 23 00-0476	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	10.99	2.71
			<i>For &gt;1,000, Deduct</i>	-0.55	
32 84 23 00-0477	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	14.22	3.90
			<i>For &gt;1,000, Deduct</i>	-0.71	
32 84 23 00-0478	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	17.77	4.88
			<i>For &gt;1,000, Deduct</i>	-0.89	
32 84 23 00-0479	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	24.14	6.10
			<i>For &gt;1,000, Deduct</i>	-1.21	
32 84 23 00-0480			<b>Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted</b> (32 84 23 00-0461)		
32 84 23 00-0481	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	6.04	1.22
			<i>For &gt;1,000, Deduct</i>	-0.30	
32 84 23 00-0482	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	6.75	1.46
			<i>For &gt;1,000, Deduct</i>	-0.34	
32 84 23 00-0483	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	8.06	1.85
			<i>For &gt;1,000, Deduct</i>	-0.40	
32 84 23 00-0484	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	9.42	2.33
			<i>For &gt;1,000, Deduct</i>	-0.47	
32 84 23 00-0485	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	11.24	2.71
			<i>For &gt;1,000, Deduct</i>	-0.56	
32 84 23 00-0486	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	14.47	3.90
			<i>For &gt;1,000, Deduct</i>	-0.72	
32 84 23 00-0487	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	18.02	4.88
			<i>For &gt;1,000, Deduct</i>	-0.90	
32 84 23 00-0488	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	24.39	6.10
			<i>For &gt;1,000, Deduct</i>	-1.22	



<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 84 23 00-0489	<b>Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0461)</small>		
32 84 23 00-0490	LF 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	5.45	1.22
	<i>For &gt;1,000, Deduct</i>	-0.27	
32 84 23 00-0491	LF 1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	6.10	1.46
	<i>For &gt;1,000, Deduct</i>	-0.31	
32 84 23 00-0492	LF 1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	7.57	1.85
	<i>For &gt;1,000, Deduct</i>	-0.38	
32 84 23 00-0493	LF 2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	9.23	2.33
	<i>For &gt;1,000, Deduct</i>	-0.46	
32 84 23 00-0494	LF 2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	11.25	2.71
	<i>For &gt;1,000, Deduct</i>	-0.56	
32 84 23 00-0495	LF 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	13.87	3.90
	<i>For &gt;1,000, Deduct</i>	-0.69	
32 84 23 00-0496	LF 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	18.07	4.88
	<i>For &gt;1,000, Deduct</i>	-0.90	
32 84 23 00-0497	LF 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	27.36	6.10
	<i>For &gt;1,000, Deduct</i>	-1.37	
32 84 23 00-0498	<b>Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0461)</small>		
32 84 23 00-0499	LF 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	5.70	1.22
	<i>For &gt;1,000, Deduct</i>	-0.29	
32 84 23 00-0500	LF 1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	6.35	1.46
	<i>For &gt;1,000, Deduct</i>	-0.32	
32 84 23 00-0501	LF 1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	7.82	1.85
	<i>For &gt;1,000, Deduct</i>	-0.39	
32 84 23 00-0502	LF 2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	9.48	2.33
	<i>For &gt;1,000, Deduct</i>	-0.47	
32 84 23 00-0503	LF 2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	11.50	2.71
	<i>For &gt;1,000, Deduct</i>	-0.58	
32 84 23 00-0504	LF 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	14.12	3.90
	<i>For &gt;1,000, Deduct</i>	-0.71	
32 84 23 00-0505	LF 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	18.32	4.88
	<i>For &gt;1,000, Deduct</i>	-0.92	
32 84 23 00-0506	LF 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	27.61	6.10
	<i>For &gt;1,000, Deduct</i>	-1.38	
32 84 23 00-0507	<b>Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0461)</small>		
32 84 23 00-0508	LF 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	5.95	1.22
	<i>For &gt;1,000, Deduct</i>	-0.30	
32 84 23 00-0509	LF 1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	6.60	1.46
	<i>For &gt;1,000, Deduct</i>	-0.33	
32 84 23 00-0510	LF 1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	8.07	1.85
	<i>For &gt;1,000, Deduct</i>	-0.40	
32 84 23 00-0511	LF 2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	9.73	2.33
	<i>For &gt;1,000, Deduct</i>	-0.49	
32 84 23 00-0512	LF 2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	11.75	2.71
	<i>For &gt;1,000, Deduct</i>	-0.59	
32 84 23 00-0513	LF 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	14.37	3.90
	<i>For &gt;1,000, Deduct</i>	-0.72	
32 84 23 00-0514	LF 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	18.57	4.88
	<i>For &gt;1,000, Deduct</i>	-0.93	
32 84 23 00-0515	LF 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	27.86	6.10
	<i>For &gt;1,000, Deduct</i>	-1.39	
32 84 23 00-0516	<b>Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0461)</small>		
32 84 23 00-0517	LF 3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	5.51	1.22
	<i>For &gt;1,000, Deduct</i>	-0.28	
32 84 23 00-0518	LF 1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	6.16	1.46
	<i>For &gt;1,000, Deduct</i>	-0.31	
32 84 23 00-0519	LF 1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	7.73	1.85
	<i>For &gt;1,000, Deduct</i>	-0.39	
32 84 23 00-0520	LF 2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	9.39	2.33
	<i>For &gt;1,000, Deduct</i>	-0.47	

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0521 LF 2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	11.50	2.71
For >1,000, Deduct	-0.58	
32 84 23 00-0522 LF 3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	13.97	3.90
For >1,000, Deduct	-0.70	
32 84 23 00-0523 LF 4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	17.52	4.88
For >1,000, Deduct	-0.88	
32 84 23 00-0524 LF 6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	24.23	6.10
For >1,000, Deduct	-1.21	
<b>32 84 23 00-0525 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted (32 84 23 00-0461)</b>		
32 84 23 00-0526 LF 3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	5.76	1.22
For >1,000, Deduct	-0.29	
32 84 23 00-0527 LF 1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	6.41	1.46
For >1,000, Deduct	-0.32	
32 84 23 00-0528 LF 1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	7.98	1.85
For >1,000, Deduct	-0.40	
32 84 23 00-0529 LF 2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	9.64	2.33
For >1,000, Deduct	-0.48	
32 84 23 00-0530 LF 2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	11.75	2.71
For >1,000, Deduct	-0.59	
32 84 23 00-0531 LF 3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	14.22	3.90
For >1,000, Deduct	-0.71	
32 84 23 00-0532 LF 4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	17.77	4.88
For >1,000, Deduct	-0.89	
32 84 23 00-0533 LF 6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	24.48	6.10
For >1,000, Deduct	-1.22	
<b>32 84 23 00-0534 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted (32 84 23 00-0461)</b>		
32 84 23 00-0535 LF 3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	6.01	1.22
For >1,000, Deduct	-0.30	
32 84 23 00-0536 LF 1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	6.66	1.46
For >1,000, Deduct	-0.33	
32 84 23 00-0537 LF 1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	8.23	1.85
For >1,000, Deduct	-0.41	
32 84 23 00-0538 LF 2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	9.89	2.33
For >1,000, Deduct	-0.49	
32 84 23 00-0539 LF 2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	12.00	2.71
For >1,000, Deduct	-0.60	
32 84 23 00-0540 LF 3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	14.47	3.90
For >1,000, Deduct	-0.72	
32 84 23 00-0541 LF 4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	18.02	4.88
For >1,000, Deduct	-0.90	
32 84 23 00-0542 LF 6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	24.73	6.10
For >1,000, Deduct	-1.24	
<b>32 84 23 00-0543 Irrigation Riser Piping With Fittings (32 84 23 00-0431)</b>		
32 84 23 00-0544 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV.....	17.76	2.93
Note: Includes #4 steel reinforcing bar, stainless steel hose clamp		
32 84 23 00-0545 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV.....	19.01	3.66
Note: Includes #4 steel reinforcing bar, stainless steel hose clamp		
32 84 23 00-0546 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV.....	18.91	3.42
Note: Includes #4 steel reinforcing bar, stainless steel hose clamp		
32 84 23 00-0547 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV.....	20.45	4.27
Note: Includes #4 steel reinforcing bar, stainless steel hose clamp		
32 84 23 00-0548 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I.....	38.75	5.13
Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0549 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I.....	40.92	6.41
Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0550 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I.....	45.40	6.59
Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0551 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I.....	48.21	8.24
Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0552 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I.....	52.06	8.05
Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0553 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I.....	55.48	10.07
Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		



<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 84 23 00-0554</b> <b>Irrigation Crossover Piping With Fittings</b> <small>(32 84 23 00-0431)</small>		
<small>Note: Install per Caltrans details. Includes thrust blocks, HDPE sleeve pipe and fittings, 3" pvc irrigation piping and 1" electrical pvc conduit. Excludes #5 concrete irrigation pull boxes on ends, electrical control wiring. See CSI section 32 84 23 00-0105 for #5 concrete pull box, 32 84 23 00-0598 for irrigation wiring.</small>		
<b>32 84 23 00-0555</b> <b>Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench</b> <small>(32 84 23 00-0554)</small>		
32 84 23 00-0556    LF    6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation .....	30.43	
For >1,000, Deduct	-1.52	
32 84 23 00-0557    LF    8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation .....	42.22	
For >1,000, Deduct	-2.11	
32 84 23 00-0558    LF    10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation.....	57.31	
For >1,000, Deduct	-2.87	
32 84 23 00-0559    LF    12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation.....	75.02	
For >1,000, Deduct	-3.75	
<b>32 84 23 00-0560</b> <b>Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench</b> <small>(32 84 23 00-0554)</small>		
32 84 23 00-0561    LF    6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation .....	31.18	
For >1,000, Deduct	-1.56	
32 84 23 00-0562    LF    8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation .....	43.04	
For >1,000, Deduct	-2.15	
32 84 23 00-0563    LF    10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	58.23	
For >1,000, Deduct	-2.91	
32 84 23 00-0564    LF    12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	76.02	
For >1,000, Deduct	-3.80	
<b>32 84 23 00-0565</b> <b>Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench</b> <small>(32 84 23 00-0554)</small>		
32 84 23 00-0566    LF    6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation .....	31.93	
For >1,000, Deduct	-1.60	
32 84 23 00-0567    LF    8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation .....	43.88	
For >1,000, Deduct	-2.19	
32 84 23 00-0568    LF    10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	59.15	
For >1,000, Deduct	-2.96	
32 84 23 00-0569    LF    12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	77.02	
For >1,000, Deduct	-3.85	
<b>32 84 23 00-0570</b> <b>Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore</b> <small>(32 84 23 00-0554)</small>		
32 84 23 00-0571    LF    6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation .....	83.18	
For >1,000, Deduct	-4.16	
32 84 23 00-0572    LF    8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation .....	105.66	
For >1,000, Deduct	-5.28	
32 84 23 00-0573    LF    10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation .....	126.01	
For >1,000, Deduct	-6.30	
32 84 23 00-0574    LF    12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation .....	148.97	
For >1,000, Deduct	-7.45	
<b>32 84 23 00-0575</b> <b>Below Ground Cam Adapter Assembly</b> <small>(32 84 23 00-0431)</small>		
<small>Note: Includes minimum 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe</small>		
32 84 23 00-0576    EA    Below Ground Cam Adapter Assembly .....	657.91	
<small>Note: Includes 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.</small>		
<b>32 84 23 00-0577</b> <b>Above Ground Cam Adapter Assembly</b> <small>(32 84 23 00-0431)</small>		
<small>Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe</small>		
32 84 23 00-0578    EA    Above Ground Cam Adapter Assembly .....	403.58	
<small>Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.</small>		
<b>32 84 23 00-0579</b> <b>Thrust Block</b> <small>(32 84 23 00-0431)</small>		
32 84 23 00-0580    EA    Thrust Block For 1-1/2" Pipe Size And Smaller .....	34.11	
32 84 23 00-0581    EA    Thrust Block For 2" Pipe .....	58.59	
32 84 23 00-0582    EA    Thrust Block For 3" And 4" Pipe .....	83.06	
32 84 23 00-0583    EA    Thrust Block For 6" Pipe .....	132.51	
32 84 23 00-0584    EA    Thrust Block For 8" Pipe .....	188.18	
<b>32 84 23 00-0585</b> <b>Irrigation Swing Joints</b> <small>(32 84 23)</small>		
32 84 23 00-0586    EA    3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075) .....	57.28	19.44

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0587 EA 1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12) .....	65.18	21.69
32 84 23 00-0588 EA 1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS).....	87.69	21.69
32 84 23 00-0589 EA 1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I.....	41.23	25.33
Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.		
32 84 23 00-0590 EA 3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I.....	55.12	33.78
Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.		
32 84 23 00-0591 EA 1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I.....	69.66	41.43
Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.		
32 84 23 00-0592 EA 1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II .....	58.46	25.72
Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0593 EA 3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II .....	77.34	34.12
Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0594 EA 1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II .....	95.33	41.84
Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0595 EA 1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III.....	33.16	15.75
Note: Consists of two street 90 degree elbows.		
32 84 23 00-0596 EA 3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III.....	44.34	21.00
Note: Consists of two street 90 degree elbows.		
32 84 23 00-0597 EA 1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III.....	52.93	26.04
Note: Consists of two street 90 degree elbows.		
<b>32 84 23 00-0598 Irrigation Control Wire</b> <small>(32 84 23)</small>		
Note: Excludes excavation and backfill.		
<b>32 84 23 00-0599 18 AWG, Irrigation Control Wire, Buried In Trench</b> <small>(32 84 23 00-0598)</small>		
32 84 23 00-0600 CLF 1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	48.28	14.65
32 84 23 00-0601 CLF 2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	63.71	17.09
32 84 23 00-0602 CLF 3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	73.33	19.53
32 84 23 00-0603 CLF 4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	84.03	21.97
32 84 23 00-0604 CLF 5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	95.75	24.42
32 84 23 00-0605 CLF 6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	114.88	26.85
32 84 23 00-0606 CLF 7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	133.21	29.29
32 84 23 00-0607 CLF 8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	144.76	31.73
32 84 23 00-0608 CLF 9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	159.07	34.17
32 84 23 00-0609 CLF 10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	175.59	36.61
32 84 23 00-0610 CLF 11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	181.49	39.05
32 84 23 00-0611 CLF 12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	188.48	41.50
32 84 23 00-0612 CLF 13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	198.82	43.94
<b>32 84 23 00-0613 16 AWG, Irrigation Control Wire, Buried In Trench</b> <small>(32 84 23 00-0598)</small>		
32 84 23 00-0614 CLF 1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench .....	51.08	14.65
<b>32 84 23 00-0615 14 AWG, Irrigation Control Wire, Buried In Trench</b> <small>(32 84 23 00-0598)</small>		
32 84 23 00-0616 CLF 1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench .....	51.09	14.65
<b>32 84 23 00-0617 12 AWG, Irrigation Control Wire, Buried In Trench</b> <small>(32 84 23 00-0598)</small>		
32 84 23 00-0618 CLF 1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench .....	69.64	14.65
<b>32 84 23 00-0619 10 AWG, Irrigation Control Wire, Buried In Trench</b> <small>(32 84 23 00-0598)</small>		
32 84 23 00-0620 CLF 1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench .....	93.14	14.65
<b>32 84 23 00-0621 Root Watering Systems</b> <small>(32 84 23)</small>		
Note: Includes swing assembly.		
32 84 23 00-0622 EA 0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401).....	92.74	19.53
For Root Watering Sand Sock, Add	4.81	
32 84 23 00-0623 EA 0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401).....	100.19	19.53
For Root Watering Sand Sock, Add	4.81	
32 84 23 00-0624 EA 0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402).....	92.74	19.53
For Root Watering Sand Sock, Add	4.81	
32 84 23 00-0625 EA 0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402).....	100.19	19.53
For Root Watering Sand Sock, Add	4.81	
32 84 23 00-0626 EA 1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404).....	100.19	19.53
For Root Watering Sand Sock, Add	4.81	
32 84 23 00-0627 EA 0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401).....	80.48	17.09
For Root Watering Sand Sock, Add	4.33	
32 84 23 00-0628 EA 0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401) .....	87.63	17.09
For Root Watering Sand Sock, Add	4.33	
32 84 23 00-0629 EA 0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402).....	80.48	17.09
For Root Watering Sand Sock, Add	4.33	





		<b>Exterior Improvements</b>	<b>32</b>
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84	23 00-0630	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402) .....	87.63	17.09
			<i>For Root Watering Sand Sock, Add</i> .....	4.33	
32 84	23 00-0631	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401) .....	53.93	14.65
			<i>For Root Watering Sand Sock, Add</i> .....	3.85	
32 84	23 00-0632	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401) .....	60.73	14.65
			<i>For Root Watering Sand Sock, Add</i> .....	3.85	

### 32 90 Planting <sup>(32)</sup>

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

#### 32 91 Planting Preparation <sup>(32 90)</sup>

##### 32 91 13 Soil Preparation <sup>(32 91)</sup>

##### 32 91 13 16 Mulching <sup>(32 91 13)</sup>

##### 32 91 13 16-0001

##### Mulch <sup>(32 91 13 16)</sup>

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 91 13 16-0002	CY	Pea Gravel Mulch .....	101.24
		<i>For &gt;5 To 20, Deduct</i> .....	-8.44
		<i>For &gt;20 To 50, Deduct</i> .....	-12.66
		<i>For &gt;50, Deduct</i> .....	-17.72
		<i>For Work On Slopes &gt;2.5:1, Add</i> .....	13.51
32 91 13 16-0003	CY	Stone/Gravel Mulch, Marble Chips .....	318.67
		<i>For &gt;5 To 20, Deduct</i> .....	-19.31
		<i>For &gt;20 To 50, Deduct</i> .....	-28.97
		<i>For &gt;50, Deduct</i> .....	-44.90
		<i>For Work On Slopes &gt;2.5:1, Add</i> .....	13.51
32 91 13 16-0004	CY	Stone Mulch, Decomposed Granite Chips .....	91.17
		<i>For &gt;5 To 20, Deduct</i> .....	-7.94
		<i>For &gt;20 To 50, Deduct</i> .....	-11.90
		<i>For &gt;50, Deduct</i> .....	-16.46
		<i>For Work On Slopes &gt;2.5:1, Add</i> .....	13.51
32 91 13 16-0005	CY	Pine Bark Nugget Mulch .....	108.42
		<i>For &gt;5 To 20, Deduct</i> .....	-8.80
		<i>For &gt;20 To 50, Deduct</i> .....	-13.20
		<i>For &gt;50, Deduct</i> .....	-18.62
		<i>For Work On Slopes &gt;2.5:1, Add</i> .....	13.51
32 91 13 16-0006	CY	Hardwood Bark Nugget Mulch .....	106.79
		<i>For &gt;5 To 20, Deduct</i> .....	-8.72
		<i>For &gt;20 To 50, Deduct</i> .....	-13.08
		<i>For &gt;50, Deduct</i> .....	-18.42
		<i>For Work On Slopes &gt;2.5:1, Add</i> .....	13.51
32 91 13 16-0007	CY	Pine Wood Chip Mulch .....	103.52
		<i>For &gt;5 To 20, Deduct</i> .....	-8.55
		<i>For &gt;20 To 50, Deduct</i> .....	-12.83
		<i>For &gt;50, Deduct</i> .....	-18.01
		<i>For Work On Slopes &gt;2.5:1, Add</i> .....	13.51
32 91 13 16-0008	CY	Hardwood Chip Mulch .....	110.06
		<i>For &gt;5 To 20, Deduct</i> .....	-8.88
		<i>For &gt;20 To 50, Deduct</i> .....	-13.32
		<i>For &gt;50, Deduct</i> .....	-18.82
		<i>For Work On Slopes &gt;2.5:1, Add</i> .....	13.51
32 91 13 16-0009	CY	Shredded Hardwood Mulch .....	110.06
		<i>For &gt;5 To 20, Deduct</i> .....	-8.88
		<i>For &gt;20 To 50, Deduct</i> .....	-13.32
		<i>For &gt;50, Deduct</i> .....	-18.82
		<i>For Work On Slopes &gt;2.5:1, Add</i> .....	13.51
32 91 13 16-0010	CY	Shredded Pine Mulch .....	95.35
		<i>For &gt;5 To 20, Deduct</i> .....	-8.15
		<i>For &gt;20 To 50, Deduct</i> .....	-12.22
		<i>For &gt;50, Deduct</i> .....	-16.99
		<i>For Work On Slopes &gt;2.5:1, Add</i> .....	13.51
32 91 13 16-0011	CY	Shredded Cedar Mulch .....	127.22
		<i>For &gt;5 To 20, Deduct</i> .....	-9.74
		<i>For &gt;20 To 50, Deduct</i> .....	-14.61
		<i>For &gt;50, Deduct</i> .....	-20.97
		<i>For Work On Slopes &gt;2.5:1, Add</i> .....	13.51
32 91 13 16-0012	CY	Shredded Cypress Mulch .....	124.77
		<i>For &gt;5 To 20, Deduct</i> .....	-9.62
		<i>For &gt;20 To 50, Deduct</i> .....	-14.42
		<i>For &gt;50, Deduct</i> .....	-20.66
		<i>For Work On Slopes &gt;2.5:1, Add</i> .....	13.51
32 91 13 16-0013	CY	Shredded Redwood Mulch .....	131.31
		<i>For &gt;5 To 20, Deduct</i> .....	-9.94
		<i>For &gt;20 To 50, Deduct</i> .....	-14.92
		<i>For &gt;50, Deduct</i> .....	-21.48
		<i>For Work On Slopes &gt;2.5:1, Add</i> .....	13.51

**32 Exterior Improvements****32 90 Planting****32 91 Planting Preparation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0014 CY Chunk Recycled Tire Mulch.....	200.01	
For >5 To 20, Deduct	-14.28	
For >20 To 50, Deduct	-21.42	
For >50, Deduct	-31.42	
For Work On Slopes >2.5:1, Add	17.12	
32 91 13 16-0015 CY Chunk Colored Recycled Tire Mulch.....	312.80	
For >5 To 20, Deduct	-19.92	
For >20 To 50, Deduct	-29.88	
For >50, Deduct	-45.52	
For Work On Slopes >2.5:1, Add	17.12	
32 91 13 16-0016 CY Shredded Recycled Tire Mulch.....	314.43	
For >5 To 20, Deduct	-20.00	
For >20 To 50, Deduct	-30.00	
For >50, Deduct	-45.72	
For Work On Slopes >2.5:1, Add	17.12	
32 91 13 16-0017 CY Shredded Colored Recycled Tire Mulch .....	540.01	
For >5 To 20, Deduct	-31.28	
For >20 To 50, Deduct	-46.92	
For >50, Deduct	-73.92	
For Work On Slopes >2.5:1, Add	17.12	
32 91 13 16-0018 EA Pine Straw Mulch Bale.....	9.44	
Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.		
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-0.85	
For >500, Deduct	-1.13	
For Work On Slopes >2.5:1, Add	0.75	
32 91 13 16-0019 EA Wheat Straw Mulch Bale.....	9.53	
Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.		
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-0.76	
For >500, Deduct	-1.09	
For Work On Slopes >2.5:1, Add	0.56	
<b>32 91 13 16-0020 Compost Soil Amendment (AgriService) (32 91 13 16)</b>		
Note: Includes loading, delivery up to 15 miles and spreading. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.		
32 91 13 16-0021 CY Humic Compost (OIM).....	86.47	
Note: (Agri Service or Equal)		
For Work On Slopes >2.5:1, Add	13.51	
For >100 To 1,000, Deduct	-14.46	
For >1,000, Deduct	-22.16	
<b>32 91 13 26 Planting Beds (32 91 13)</b>		
Note: Not for use when installing trees and shrubs.		
<b>32 91 13 26-0001 Plant Bed Preparation (32 91 13 26)</b>		
Note: Not for use when installing trees and shrubs.		
32 91 13 26-0002 SF Prepare And Mix Plant Bed, Up To 8" Deep By Machine.....	1.05	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	0.21	
32 91 13 26-0003 SF Prepare And Mix Plant Bed, 9" To 13" Deep By Machine.....	1.20	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	0.24	
32 91 13 26-0004 SF Prepare And Mix Plant Bed, 14" To 18" Deep By Machine.....	1.41	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	0.28	
32 91 13 26-0005 SF Prepare And Mix Plant Bed By Hand, Up To 8" Deep.....	4.59	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	0.92	
32 91 13 26-0006 SF Prepare And Mix Plant Bed By Hand, 9" To 13" Deep.....	5.27	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	1.05	
32 91 13 26-0007 SF Prepare And Mix Plant Bed By Hand, 14" To 18" Deep.....	6.19	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	1.24	
<b>32 91 13 26-0008 Plant Bed Preparation With Humic Compost (32 91 13 26)</b>		
32 91 13 26-0009 SF Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 3 CY Per 1,000 SF).....	1.14	
Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.		
For Work On Slopes >2.5:1, Add	0.22	
For >1,000 To 5,000, Deduct	-0.16	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000 To 20,000, Deduct	-0.54	
For >20,000, Deduct	-0.76	



		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Planting Preparation	32 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 26-0010 SF Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 6 CY Per 1,000 SF).....	1.42	
Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.		
For Work On Slopes >2.5:1, Add	0.26	
For >1,000 To 5,000, Deduct	-0.20	
For >5,000 To 10,000, Deduct	-0.33	
For >10,000 To 20,000, Deduct	-0.66	
For >20,000, Deduct	-0.93	
32 91 13 26-0011 SF Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 9 CY Per 1,000 SF).....	1.70	
Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.		
For Work On Slopes >2.5:1, Add	0.31	
For >1,000 To 5,000, Deduct	-0.23	
For >5,000 To 10,000, Deduct	-0.38	
For >10,000 To 20,000, Deduct	-0.77	
For >20,000, Deduct	-1.09	
<b>32 91 13 26-0012 Planting Pit Preparation (32 91 13 26)</b>		
Note: Not for use when installing trees and shrubs.		
32 91 13 26-0013 CY Excavate Planting Pit By Hand, Sandy Soil .....	79.34	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	15.87	
32 91 13 26-0014 CY Excavate Planting Pit By Hand, Heavy Soil .....	158.70	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	31.74	
32 91 13 26-0015 CY Excavate Planting Pit By Machine, Sandy Soil .....	13.34	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	2.67	
32 91 13 26-0016 CY Excavate Planting Pit By Machine, Heavy Soil .....	17.36	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	3.47	
32 91 13 26-0017 CY Backfill Planting Pit By Hand With Topsoil From Stockpile .....	70.51	
For Work On Slopes >2.5:1, Add	14.10	
32 91 13 26-0018 CY Backfill Planting Pit By Hand With Contractor Furnished Planting Mix .....	139.35	
For Work On Slopes >2.5:1, Add	13.28	
32 91 13 26-0019 CY Backfill Planting Pit By Machine, With Topsoil From Stockpile .....	7.07	
For Work On Slopes >2.5:1, Add	1.41	
32 91 13 26-0020 CY Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix .....	92.31	
For Work On Slopes >2.5:1, Add	3.88	
<b>32 91 13 26-0021 Weed Barrier (32 91 13 26)</b>		
32 91 13 26-0022 SY Up To 3 Oz/SY Non Woven, Polypropylene Weed Barrier .....	2.17	
For Work On Slopes >2.5:1, Add	0.13	
32 91 13 26-0023 SY 4 Oz/SY Woven, Polypropylene Weed Barrier.....	2.97	
For Work On Slopes >2.5:1, Add	0.13	
32 91 13 26-0024 SY 5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier .....	3.32	
For Work On Slopes >2.5:1, Add	0.13	
<b>32 91 13 33 Soil Conditioners (32 91 13)</b>		
<b>32 91 13 33-0001 Spread Soil Conditioners (32 91 13 33)</b>		
32 91 13 33-0002 SY Aluminum Sulfate 1 LB/SY, Push Spreader.....	0.40	
32 91 13 33-0003 MSF Aluminum Sulfate 110 LB/MSF Tractor Spreader.....	38.26	
32 91 13 33-0004 MSF Fertilizer, 20 LB/MSF, Push Spreader .....	6.63	
32 91 13 33-0005 MSF Fertilizer, 20 LB/MSF, Tractor Spread .....	2.87	
32 91 13 33-0006 MSF Fertilizer, 20 LB/MSF, Truck Spread.....	5.35	
32 91 13 33-0007 SY Pelletized Lime, 1 LB/SY, Push Spreader .....	0.10	
32 91 13 33-0008 MSF Pelitized Lime, 110 LB/MSF, Tractor Spreader.....	7.27	
32 91 13 33-0009 SY Perlite, 1" Deep, Push Spreader.....	3.48	
32 91 13 33-0010 MSF Perlite, 1" Deep, Tractor Spreader.....	361.58	
32 91 13 33-0011 SY Vermiculite, Push Spreader .....	3.23	
32 91 13 33-0012 MSF Vermiculite, Tractor Spreader.....	353.20	
32 91 13 33-0013 SY Humate Granular Soil Conditioner, 0.10 LB/SY, Push Spreader .....	0.21	
32 91 13 33-0014 MSF Humate Granular Soil Conditioner, 10 LB/MSF, Tractor Spreader .....	18.90	
<b>32 91 13 36 Lawn Bed Preparation (32 91 13)</b>		
<b>32 91 13 36-0001 Lawn Bed Preparation (32 91 13 36)</b>		
32 91 13 36-0002 MSF Rake Topsoil With Machine .....	82.39	
32 91 13 36-0003 MSF Rake Topsoil By Hand .....	63.47	
32 91 13 36-0004 MSF Screen Loam By Hand.....	42.31	
32 91 13 36-0005 SY Roll Topsoil With Machine .....	1.07	
32 91 13 36-0006 SY Roll Topsoil By Hand .....	2.83	
32 91 13 36-0007 MSF Removal Of Rocks And Debris With Machine.....	9.74	
32 91 13 36-0008 MSF Removal Of Rocks And Debris By Hand .....	29.80	
32 91 13 36-0009 MSF Root Raking And Loading, No Boulders .....	50.98	
For >45 to 225, Deduct	-35.69	
For >225, Deduct	-45.88	

**32 Exterior Improvements****32 90 Planting****32 91 Planting Preparation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 36-0010 MSF Root Raking And Loading, With Boulders.....	84.98	
For >45 to 225, Deduct	-59.49	
For >225, Deduct	-76.48	
32 91 13 36-0011 MSF Up To 6" Deep Tilling Topsoil With Tractor.....	4.62	
32 91 13 36-0012 MSF >6" To 12" Deep Tilling Topsoil With Tractor.....	9.37	
For Work On Slopes >2.5:1, Add	1.87	
32 91 13 36-0013 SY Up To 2" Deep Tilling Topsoil With Rototiller.....	0.68	
32 91 13 36-0014 SY >2" To 4" Deep Tilling Topsoil With Rototiller.....	0.81	
32 91 13 36-0015 SY >4" To 6" Deep Tilling Topsoil With Rototiller.....	1.02	
32 91 13 36-0016 LF "V" Cut Soil For Edge Of Planting Beds.....	1.13	
<b>32 91 13 36-0017 Sod Removal</b> (32 91 13 36)		
32 91 13 36-0018 SY Removal Of Sod By Hand.....	5.35	
For Work On Slopes >2.5:1, Add	1.07	
32 91 13 36-0019 SY Removal Of Sod With Machine.....	0.63	
For Work On Slopes >2.5:1, Add	0.13	
32 91 13 36-0020 SY Pile Sod By Hand.....	3.17	
For Work On Slopes >2.5:1, Add	0.63	
32 91 13 36-0021 SY Pile Sod With Machine.....	1.17	
For Work On Slopes >2.5:1, Add	0.23	
<b>32 91 19 Landscape Grading</b> (32 91)		
<b>32 91 19 13 Topsoil Placement and Grading</b> (32 91 19)		
<b>32 91 19 13-0001 Remove And Stockpile Topsoil On Site</b> (32 91 19 13)		
32 91 19 13-0002 CY Removal Of Topsoil, 4" Deep Stockpile On Site.....	5.14	
32 91 19 13-0003 CY Removal Of Topsoil, 6" Deep Stockpile On Site.....	5.09	
<b>32 91 19 13-0004 Screening Topsoil</b> (32 91 19 13)		
32 91 19 13-0005 CY Screen Topsoil With Vibrating Screen, Wet Material (Organic).....	10.98	
32 91 19 13-0006 CY Screen Topsoil With Vibrating Screen, Dry Material.....	7.32	
<b>32 91 19 13-0007 Spreading Topsoil From Stockpile</b> (32 91 19 13)		
32 91 19 13-0008 CY Spread Topsoil By Machine From Stockpile.....	8.01	
32 91 19 13-0009 CY Spread Topsoil By Hand From Stockpile.....	60.56	
<b>32 91 19 13-0010 Furnish And Place Imported Screened Topsoil</b> (32 91 19 13)		
Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.		
32 91 19 13-0011 SY Furnish And Place Imported Screened Topsoil, 2" Deep.....	4.99	
For Unscreened, Deduct	-0.77	
32 91 19 13-0012 SY Furnish And Place Imported Screened Topsoil, 4" Deep.....	9.66	
For Unscreened, Deduct	-1.53	
32 91 19 13-0013 SY Furnish And Place Imported Screened Topsoil, 6" Deep.....	14.11	
For Unscreened, Deduct	-2.29	
32 91 19 13-0014 SY Furnish And Place Imported Screened Topsoil, 9" Deep.....	20.59	
For Unscreened, Deduct	-3.44	
32 91 19 13-0015 SY Furnish And Place Imported Screened Topsoil, 12" Deep.....	27.04	
For Unscreened, Deduct	-4.58	
32 91 19 13-0016 CY Furnish And Place Imported Screened Topsoil, Over 12" Deep.....	75.75	
For Unscreened, Deduct	-13.75	
<b>32 91 19 13-0017 Scarify Soil For Planting Preparation</b> (32 91 19 13)		
Note: Ripped in multiple directions with 3" maximum clods.		
32 91 19 13-0018 MSF Up To 5,000 SF Scarify Up To 8" Soil With Machine.....	62.42	
32 91 19 13-0019 MSF >5,000 To 20,000 SF Scarify Up To 8" Soil With Machine.....	43.68	
32 91 19 13-0020 MSF >20,000 SF Scarify Up To 8" Soil With Machine.....	25.77	
<b>32 92 Turf and Grasses</b> (32 92)		
<b>32 92 16 Plugging</b> (32 92)		
<b>32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep</b> (32 92 16)		
Note: Includes fine grade and soil preparation.		
<b>32 92 16 00-0002 6" On Center Plugging</b> (32 92 16 00-0001)		
32 92 16 00-0003 MSF Plugging By Hand, 6" On Center.....	205.25	
32 92 16 00-0004 MSF Plugging By Walk Behind Planter, 6" On Center.....	28.41	
32 92 16 00-0005 MSF Plugging By Towed Planter, 6" On Center.....	21.21	
<b>32 92 16 00-0006 9" On Center Plugging</b> (32 92 16 00-0001)		
32 92 16 00-0007 MSF Plugging By Hand, 9" On Center.....	157.45	



<b>Exterior Improvements</b>		<b>32</b>
Planting		32 90
Turf and Grasses		32 92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 92 16 00-0008	MSF Plugging By Walk Behind Planter, 9" On Center.....	22.24
32 92 16 00-0009	MSF Plugging By Towed Planter, 9" On Center.....	15.90

**32 92 16 00-0010 12" On Center Plugging** (32 92 16 00-0001)

32 92 16 00-0011	MSF Plugging By Hand, 12" On Center .....	132.51
32 92 16 00-0012	MSF Plugging By Walk Behind Planter, 12" On Center.....	15.04
32 92 16 00-0013	MSF Plugging By Towed Planter, 12" On Center.....	10.16

**32 92 19 Seeding** (32 92)

**32 92 19 13 Mechanical Seeding** (32 92 19)

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

**32 92 19 13-0001 Tractor Spreader Mechanical Seeding** (32 92 19 13)

Note: Excludes straw.

32 92 19 13-0002	MSF Common Bluegrass, Tractor Spreader .....	43.39
	Note: 4 LB/MSF spread rate.	
32 92 19 13-0003	MSF Tall Fescue, Tractor Spreader .....	34.57
	Note: 5.5 LB/MSF spread rate.	
32 92 19 13-0004	MSF Rye, Tractor Spreader .....	35.20
	Note: 10 LB/MSF spread rate.	
32 92 19 13-0005	MSF Shade Mix, Tractor Spreader.....	38.37
	Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	
32 92 19 13-0006	MSF Turf Mix, Tractor Spreader.....	40.65
	Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	
32 92 19 13-0007	MSF Slope Mix, Tractor Spreader.....	37.61
	Note: 6 LB/MSF spread rate.	
32 92 19 13-0008	MSF Utility Mix, Tractor Spreader .....	33.82
	Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	
32 92 19 13-0009	MSF Wild Flower Mix, Tractor Spreader .....	26.67
	Note: 0.10 LB/MSF spread rate.	
32 92 19 13-0010	MSF Crown Vetch Mix, Tractor Spreader.....	83.23
	Note: 4 LB/MSF spread rate.	
32 92 19 13-0011	MSF Athletic Mix, Tractor Spreader .....	49.78
	Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	
32 92 19 13-0012	MSF White Clover Mix, Tractor Spreader.....	26.59
	Note: 7 LB/MSF spread rate.	
32 92 19 13-0013	MSF Ladino Clover Mix, Tractor Spreader .....	29.63
	Note: 7 LB/MSF spread rate.	

**32 92 19 13-0014 Hydro Or Air Mechanical Seeding** (32 92 19 13)

32 92 19 13-0015	MSF Common Bluegrass, Hydro Or Air Seeding .....	88.93
	Note: 4 LB/MSF spread rate.	
	<i>For Spot Areas Up To 1, Add</i>	94.93
	<i>For &gt;1 To 4, Add</i>	60.95
	<i>For &gt;4 To 7.5, Add</i>	41.27
	<i>For &gt;7.5 To 10, Add</i>	20.63
	<i>For &gt;45, Deduct</i>	-7.14
	<i>For Tackifier, Add</i>	1.33
32 92 19 13-0016	MSF Tall Fescue, Hydro Or Air Seeding .....	94.25
	Note: 5.5 LB/MSF spread rate.	
	<i>For Spot Areas Up To 1, Add</i>	97.06
	<i>For &gt;1 To 4, Add</i>	62.02
	<i>For &gt;4 To 7.5, Add</i>	41.80
	<i>For &gt;7.5 To 10, Add</i>	20.90
	<i>For &gt;45, Deduct</i>	-7.41
	<i>For Tackifier, Add</i>	1.33
32 92 19 13-0017	MSF Rye, Hydro Or Air Spread.....	89.15
	Note: 10 LB/MSF spread rate.	
	<i>For Spot Areas Up To 1, Add</i>	95.02
	<i>For &gt;1 To 4, Add</i>	61.00
	<i>For &gt;4 To 7.5, Add</i>	41.29
	<i>For &gt;7.5 To 10, Add</i>	20.65
	<i>For &gt;45, Deduct</i>	-7.16
	<i>For Tackifier, Add</i>	1.33
32 92 19 13-0018	MSF Shade Mix, Hydro Or Air Seeding.....	88.93
	Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	
	<i>For Spot Areas Up To 1, Add</i>	94.93
	<i>For &gt;1 To 4, Add</i>	60.95
	<i>For &gt;4 To 7.5, Add</i>	41.27
	<i>For &gt;7.5 To 10, Add</i>	20.63
	<i>For &gt;45, Deduct</i>	-7.14
	<i>For Tackifier, Add</i>	1.33
32 92 19 13-0019	MSF Turf Mix, Hydro Or Air Seeding.....	94.25
	Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	
	<i>For Spot Areas Up To 1, Add</i>	97.06
	<i>For &gt;1 To 4, Add</i>	62.02
	<i>For &gt;4 To 7.5, Add</i>	41.80
	<i>For &gt;7.5 To 10, Add</i>	20.90
	<i>For &gt;45, Deduct</i>	-7.41
	<i>For Tackifier, Add</i>	1.33

**32 Exterior Improvements****32 90 Planting****32 92 Turf and Grasses**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0020 MSF Slope Mix, Hydro Or Air Seeding .....	91.97	
Note: 6 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	96.14	
For >1 To 4, Add	61.56	
For >4 To 7.5, Add	41.57	
For >7.5 To 10, Add	20.79	
For >45, Deduct	-7.30	
For Tackifier, Add	1.33	
32 92 19 13-0021 MSF Utility Mix, Hydro Or Air Seeding.....	90.13	
Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
For Spot Areas Up To 1, Add	95.41	
For >1 To 4, Add	61.19	
For >4 To 7.5, Add	41.39	
For >7.5 To 10, Add	20.69	
For >45, Deduct	-7.20	
For Tackifier, Add	1.33	
32 92 19 13-0022 MSF Wild Flower Mix, Hydro Or Air Seeding.....	84.21	
Note: 0.10 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	93.04	
For >1 To 4, Add	60.01	
For >4 To 7.5, Add	40.80	
For >7.5 To 10, Add	20.40	
For >45, Deduct	-6.91	
For Tackifier, Add	1.33	
32 92 19 13-0023 MSF Crown Vetch Mix, Hydro Or Air Seeding.....	137.58	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	114.39	
For >1 To 4, Add	70.68	
For >4 To 7.5, Add	46.13	
For >7.5 To 10, Add	23.07	
For >45, Deduct	-9.58	
For Tackifier, Add	1.33	
32 92 19 13-0024 MSF Athletic Mix, Hydro Or Air Seeding.....	120.87	
Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
For Spot Areas Up To 1, Add	107.70	
For >1 To 4, Add	67.34	
For >4 To 7.5, Add	44.46	
For >7.5 To 10, Add	22.23	
For >45, Deduct	-8.74	
For Tackifier, Add	1.33	
32 92 19 13-0025 MSF White Clover Mix, Hydro Or Air Seeding.....	76.99	
Note: 7 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	90.15	
For >1 To 4, Add	58.57	
For >4 To 7.5, Add	40.08	
For >7.5 To 10, Add	20.04	
For >45, Deduct	-6.55	
For Tackifier, Add	1.33	
32 92 19 13-0026 MSF Ladino Clover Mix, Hydro Or Air Seeding .....	85.89	
Note: 7 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	93.71	
For >1 To 4, Add	60.35	
For >4 To 7.5, Add	40.97	
For >7.5 To 10, Add	20.48	
For >45, Deduct	-6.99	
For Tackifier, Add	1.33	
32 92 19 13-0027 MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread.....	90.45	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	95.54	
For >1 To 4, Add	61.26	
For >4 To 7.5, Add	41.42	
For >7.5 To 10, Add	20.71	
For >45, Deduct	-7.22	
For Tackifier, Add	1.33	
32 92 19 13-0028 MSF 2,500 LB/Acre, High Performance - Flexible Growth Medium.....	119.45	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-7.32	
32 92 19 13-0029 MSF 3,000 LB/Acre, High Performance - Flexible Growth Medium.....	139.30	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-8.38	
32 92 19 13-0030 MSF 3,500 LB/Acre, High Performance - Flexible Growth Medium.....	159.22	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-9.45	
32 92 19 13-0031 MSF 4,000 LB/Acre, High Performance - Flexible Growth Medium.....	179.18	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-10.52	
32 92 19 13-0032 MSF 4,500 LB/Acre, High Performance - Flexible Growth Medium.....	199.24	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-11.60	

**32 92 19 19 Seeding by Hand** (32 92 19)

Note: Includes fertilizing, liming, mixing, seeding and initial watering.



<b>Exterior Improvements</b>		<b>32</b>
Planting		32 90
Turf and Grasses		32 92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 92 19 19-0001 Push Spreader Or Hand Seeding</b> <small>(32 92 19 19)</small>		
<i>Note: Excludes straw.</i>		
32 92 19 19-0002 MSF Common Bluegrass, Push Spreader Or Hand.....	100.31	
<i>Note: 4 LB/MSF spread rate.</i>		
<i>For &gt;5 To 20, Deduct</i>	-7.00	
<i>For &gt;20 To 45, Deduct</i>	-13.47	
<i>For &gt;45, Deduct</i>	-21.93	
32 92 19 19-0003 MSF Tall Fescue, Push Spreader Or Hand.....	91.49	
<i>Note: 5.5 LB/MSF spread rate.</i>		
<i>For &gt;5 To 20, Deduct</i>	-6.56	
<i>For &gt;20 To 45, Deduct</i>	-12.81	
<i>For &gt;45, Deduct</i>	-21.05	
32 92 19 19-0004 MSF Rye, Push Spreader Or Hand.....	92.12	
<i>Note: 10 LB/MSF spread rate.</i>		
<i>For &gt;5 To 20, Deduct</i>	-6.59	
<i>For &gt;20 To 45, Deduct</i>	-12.86	
<i>For &gt;45, Deduct</i>	-21.11	
32 92 19 19-0005 MSF Shade Mix, Push Spreader Or Hand.....	95.29	
<i>Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.</i>		
<i>For &gt;5 To 20, Deduct</i>	-6.75	
<i>For &gt;20 To 45, Deduct</i>	-13.10	
<i>For &gt;45, Deduct</i>	-21.43	
32 92 19 19-0006 MSF Turf Mix, Push Spreader Or Hand.....	97.57	
<i>Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.</i>		
<i>For &gt;5 To 20, Deduct</i>	-6.86	
<i>For &gt;20 To 45, Deduct</i>	-13.27	
<i>For &gt;45, Deduct</i>	-21.66	
32 92 19 19-0007 MSF Slope Mix, Push Spreader Or Hand.....	94.53	
<i>Note: 6 LB/MSF spread rate.</i>		
<i>For &gt;5 To 20, Deduct</i>	-6.71	
<i>For &gt;20 To 45, Deduct</i>	-13.04	
<i>For &gt;45, Deduct</i>	-21.35	
32 92 19 19-0008 MSF Utility Mix, Push Spreader Or Hand.....	90.74	
<i>Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.</i>		
<i>For &gt;5 To 20, Deduct</i>	-6.52	
<i>For &gt;20 To 45, Deduct</i>	-12.76	
<i>For &gt;45, Deduct</i>	-20.97	
32 92 19 19-0009 MSF Wild Flower Mix, Push Spreader Or Hand.....	83.59	
<i>Note: 0.10 LB/MSF spread rate.</i>		
<i>For &gt;5 To 20, Deduct</i>	-6.16	
<i>For &gt;20 To 45, Deduct</i>	-12.22	
<i>For &gt;45, Deduct</i>	-20.26	
32 92 19 19-0010 MSF Crown Vetch Mix, Push Spreader Or Hand.....	140.15	
<i>Note: 4 LB/MSF spread rate.</i>		
<i>For &gt;5 To 20, Deduct</i>	-8.99	
<i>For &gt;20 To 45, Deduct</i>	-16.46	
<i>For &gt;45, Deduct</i>	-25.91	
32 92 19 19-0011 MSF Athletic Mix, Push Spreader Or Hand.....	106.70	
<i>Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.</i>		
<i>For &gt;5 To 20, Deduct</i>	-7.32	
<i>For &gt;20 To 45, Deduct</i>	-13.95	
<i>For &gt;45, Deduct</i>	-22.57	
32 92 19 19-0012 MSF White Clover Mix, Push Spreader Or Hand.....	83.51	
<i>Note: 7 LB/MSF spread rate.</i>		
<i>For &gt;5 To 20, Deduct</i>	-6.16	
<i>For &gt;20 To 45, Deduct</i>	-12.21	
<i>For &gt;45, Deduct</i>	-20.25	
32 92 19 19-0013 MSF Ladino Clover Mix, Push Spreader Or Hand.....	86.55	
<i>Note: 7 LB/MSF spread rate.</i>		
<i>For &gt;5 To 20, Deduct</i>	-6.31	
<i>For &gt;20 To 45, Deduct</i>	-12.44	
<i>For &gt;45, Deduct</i>	-20.55	
32 92 19 19-0014 MSF 100% Kentucky Bluegrass, Push Spreader Or Hand.....	101.76	
<i>Note: 3.3 LB/MSF spread rate.</i>		
<i>For &gt;5 To 20, Deduct</i>	-7.07	
<i>For &gt;20 To 45, Deduct</i>	-13.58	
<i>For &gt;45, Deduct</i>	-22.08	
32 92 19 19-0015 MSF 70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand.....	97.57	
<i>Note: 3.3 LB/MSF spread rate.</i>		
<i>For &gt;5 To 20, Deduct</i>	-6.86	
<i>For &gt;20 To 45, Deduct</i>	-13.27	
<i>For &gt;45, Deduct</i>	-21.66	
32 92 19 19-0016 MSF 50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand.....	94.53	
<i>Note: 3.3 LB/MSF spread rate.</i>		
<i>For &gt;5 To 20, Deduct</i>	-6.71	
<i>For &gt;20 To 45, Deduct</i>	-13.04	
<i>For &gt;45, Deduct</i>	-21.35	
32 92 19 19-0017 MSF 50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand.....	100.62	
<i>Note: 4.4 LB/MSF spread rate.</i>		
<i>For &gt;5 To 20, Deduct</i>	-7.01	
<i>For &gt;20 To 45, Deduct</i>	-13.50	
<i>For &gt;45, Deduct</i>	-21.96	

**32 Exterior Improvements****32 90 Planting****32 92 Turf and Grasses**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
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32 92 19 19-0018	MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand.....	96.05
	Note: 3.3 LB/MSF spread rate.	
	For >5 To 20, Deduct	-6.79
	For >20 To 45, Deduct	-13.15
	For >45, Deduct	-21.50
32 92 19 19-0019	MSF 40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand .....	97.57
	Note: 3.3 LB/MSF spread rate.	
	For >5 To 20, Deduct	-6.86
	For >20 To 45, Deduct	-13.27
	For >45, Deduct	-21.66

**32 92 23 Sodding** (32 92)

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

**32 92 23 00-0001 Tall Fescue Sod** (32 92 23)

32 92 23 00-0002	MSF Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground .....	2,022.81
	For Hybrid Fescue "Marathon", Add	136.39
32 92 23 00-0003	MSF >1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,645.72
	For Hybrid Fescue "Marathon", Add	102.79
32 92 23 00-0004	MSF >4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,393.09
	For Hybrid Fescue "Marathon", Add	85.99
32 92 23 00-0005	MSF >8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,190.30
	For Hybrid Fescue "Marathon", Add	69.19
32 92 23 00-0006	MSF Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes .....	2,333.07
	For Hybrid Fescue "Marathon", Add	136.39
32 92 23 00-0007	MSF >1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,910.14
	For Hybrid Fescue "Marathon", Add	102.79
32 92 23 00-0008	MSF >4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,575.51
	For Hybrid Fescue "Marathon", Add	85.99
32 92 23 00-0009	MSF >8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,345.43
	For Hybrid Fescue "Marathon", Add	69.19

**32 92 23 00-0010 Kentucky Blue Grass Sod** (32 92 23)

32 92 23 00-0011	MSF Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground .....	1,717.31
32 92 23 00-0012	MSF >1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,416.59
32 92 23 00-0013	MSF >4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,202.15
32 92 23 00-0014	MSF >8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,037.55
32 92 23 00-0015	MSF Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes .....	2,027.57
32 92 23 00-0016	MSF >1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,681.01
32 92 23 00-0017	MSF >4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes .....	1,384.57
32 92 23 00-0018	MSF >8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,192.68

**32 93 Plants** (32 90)**32 93 13 Ground Covers** (32 93)

Note: Materials only. See CSI section 32 93 83 00-0062 for installation and planting of ground cover.

**32 93 13 00-0001 Ground Covers** (32 93 13)

32 93 13 00-0002	EA 1 Quart Baccharis Pilularis - Dwarf Coyote Bush.....	8.10
32 93 13 00-0003	EA 1 Gallon Baccharis Pilularis - Dwarf Coyote Bush .....	14.03
32 93 13 00-0004	EA 1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge.....	28.61
32 93 13 00-0005	EA 1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge .....	37.24
32 93 13 00-0006	EA 2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper .....	47.14
32 93 13 00-0007	EA 1 Quart Waldsteinia ternata - Barren Strawberry .....	8.10
32 93 13 00-0008	EA 1 Gallon Waldsteinia ternata - Barren Strawberry.....	19.43
32 93 13 00-0009	EA 1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	26.45
32 93 13 00-0010	EA 2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	50.20
32 93 13 00-0011	EA 5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	88.52
32 93 13 00-0012	EA 1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope .....	9.06
32 93 13 00-0013	EA 1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	16.73
32 93 13 00-0014	EA 5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	58.83
32 93 13 00-0015	EA 1 Gallon Juniperus horizontalis 'Wiltoni' - Blue Rug Juniper.....	21.96
32 93 13 00-0016	EA 4" Pot Parthenocissus tricuspidata - Boston Ivy.....	10.79
32 93 13 00-0017	EA 1 Gallon Parthenocissus tricuspidata - Boston Ivy.....	24.61
32 93 13 00-0018	EA 5 Gallon Parthenocissus tricuspidata - Boston Ivy.....	67.36
32 93 13 00-0019	EA 3 Gallon Bougainvillea spectabilis - Bougainvillea .....	28.31
32 93 13 00-0020	EA 1 Quart Iberis sempervirens - Candytuft .....	8.10
32 93 13 00-0021	EA 1 Gallon Iberis sempervirens - Candytuft.....	19.43
32 93 13 00-0022	EA 1 Gallon Gelsemium sempervirens - Carolina Jessamine .....	23.32
32 93 13 00-0023	EA 5 Gallon Gelsemium sempervirens - Carolina Jessamine .....	84.20
32 93 13 00-0024	EA 3" Pot Ajuga reptans - Carpet Bugle .....	4.86
32 93 13 00-0025	EA 1 Quart Ajuga reptans - Carpet Bugle.....	8.09
32 93 13 00-0026	EA 1 Gallon Ajuga reptans - Carpet Bugle .....	19.43
32 93 13 00-0027	EA 24 Plant Flat Ajuga reptans - Carpet Bugle.....	83.66
32 93 13 00-0028	EA 1 Gallon Macfadyena unguis-cati - Cat Claw Vine.....	19.43
32 93 13 00-0029	EA 5 Gallon Macfadyena unguis-cati - Cat Claw Vine.....	84.20
32 93 13 00-0030	EA 1 Gallon Wisteria sinensis - Chinese Wisteria Vine .....	25.37





MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 93 13 00-0031	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine .....		56.14	
32 93 13 00-0032	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine .....		84.20	
32 93 13 00-0033	EA	1 Gallon Ranunculaceae - Clematis Varieties.....		27.89	
32 93 13 00-0034	EA	2 Gallon Ranunculaceae - Clematis Varieties.....		51.58	
32 93 13 00-0035	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea .....		35.08	
32 93 13 00-0036	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea .....		65.85	
32 93 13 00-0037	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea .....		107.95	
32 93 13 00-0038	EA	4" Pot Lantana camera - Common Lantana.....		4.86	
32 93 13 00-0039	EA	1 Gallon Lantana camera - Common Lantana.....		14.03	
32 93 13 00-0040	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia .....		16.73	
32 93 13 00-0041	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia .....		55.05	
32 93 13 00-0042	EA	2 Quart Lysimachia nummularia - Creeping Jenny.....		8.10	
32 93 13 00-0043	EA	1 Gallon Lysimachia nummularia - Creeping Jenny.....		15.65	
32 93 13 00-0044	EA	2 Quart Liriope spicata - Creeping Lilytuft.....		14.03	
32 93 13 00-0045	EA	1 Gallon Liriope spicata - Creeping Lilytuft.....		25.37	
32 93 13 00-0046	EA	5 Gallon Liriope spicata - Creeping Lilytuft.....		53.44	
32 93 13 00-0047	EA	Bare Root Liriope spicata - Creeping Liriope.....		3.54	
32 93 13 00-0048	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....		4.86	
32 93 13 00-0049	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....		19.43	
32 93 13 00-0050	EA	2-1/4" Pot Securigera varia - Crown Vetch.....		3.24	
32 93 13 00-0051	EA	50 Plant Flat Securigera varia - Crown Vetch.....		109.57	
32 93 13 00-0052	EA	1 Quart Senecio cineraria - Dusty Miller.....		8.10	
32 93 13 00-0053	EA	1 Gallon Senecio cineraria - Dusty Miller.....		19.43	
32 93 13 00-0054	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe.....		67.47	
32 93 13 00-0055	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe.....		123.60	
32 93 13 00-0056	EA	1 Gallon Ilex cornuta - Dwarf Holly.....		14.66	
32 93 13 00-0057	EA	3 Gallon Ilex cornuta - Dwarf Holly.....		31.41	
32 93 13 00-0058	EA	3 Gallon Rhamphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn .....		31.41	
32 93 13 00-0059	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant.....		10.47	
32 93 13 00-0060	EA	2" To 3" Pot Hedera helix - English Ivy.....		4.86	
32 93 13 00-0061	EA	12" To 15" Runners Hedera helix - English Ivy.....		8.10	
32 93 13 00-0062	EA	1 Gallon Hedera helix - English Ivy.....		19.43	
32 93 13 00-0063	EA	50 Plant Flat Hedera helix - English Ivy.....		112.27	
32 93 13 00-0064	EA	4" Pot Lavandula angustifolia - English Lavender.....		7.02	
32 93 13 00-0065	EA	1 Quart Lavandula angustifolia - English Lavender.....		13.49	
32 93 13 00-0066	EA	1 Gallon Lavandula angustifolia - English Lavender.....		22.13	
32 93 13 00-0067	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....		21.05	
32 93 13 00-0068	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....		42.10	
32 93 13 00-0069	EA	1 Quart Arundo donax - Giant Reed.....		25.91	
32 93 13 00-0070	EA	1 Gallon Arundo donax - Giant Reed.....		37.24	
32 93 13 00-0071	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....		22.13	
32 93 13 00-0072	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....		42.10	
32 93 13 00-0073	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass .....		28.61	
32 93 13 00-0074	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass .....		43.18	
32 93 13 00-0075	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....		4.86	
32 93 13 00-0076	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle .....		22.13	
32 93 13 00-0077	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle .....		42.10	
32 93 13 00-0078	EA	1 Gallon Hardenbergia violacea - Happy Wanderer .....		19.43	
32 93 13 00-0079	EA	5 Gallon Hardenbergia violacea - Happy Wanderer .....		64.77	
32 93 13 00-0080	EA	3 Gallon Hibiscus, Assorted Colors.....		25.31	
32 93 13 00-0081	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag.....		20.24	
32 93 13 00-0082	EA	1 Gallon Jasminum volubile - Wax Jasmine.....		10.20	
32 93 13 00-0083	EA	1 Gallon Jasminum volubile - Wax Jasmine.....		25.31	
32 93 13 00-0084	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper .....		12.71	
32 93 13 00-0085	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper .....		28.31	
32 93 13 00-0086	EA	1 Gallon Cissus antarctica - Kangaroo Vine.....		15.65	
32 93 13 00-0087	EA	5 Gallon Cissus antarctica - Kangaroo Vine.....		49.12	
32 93 13 00-0088	EA	1 Quart Stachys byzantina - Lamb's Ear.....		8.10	
32 93 13 00-0089	EA	1 Quart Stachys byzantina - Lamb's Ear.....		19.43	
32 93 13 00-0090	EA	1 Gallon Lantana spp. Various Colors.....		11.46	
32 93 13 00-0091	EA	1 Gallon Lantana sellowiana - Trailing Lantana.....		7.54	
32 93 13 00-0092	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....		15.65	
32 93 13 00-0093	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....		56.13	
32 93 13 00-0094	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum .....		11.46	
32 93 13 00-0095	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum .....		14.45	
32 93 13 00-0096	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum .....		23.11	
32 93 13 00-0097	EA	1 Quart Moss Phlox, Creeping Phlox.....		8.10	
32 93 13 00-0098	EA	1 Gallon Moss Phlox, Creeping Phlox.....		19.43	
32 93 13 00-0099	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern.....		10.20	
32 93 13 00-0100	EA	4" Pot Ophiopogon Japonicus - Mondo grass.....		4.86	
32 93 13 00-0101	EA	1 Gallon Ophiopogon Japonicus - Mondo grass.....		19.43	
32 93 13 00-0102	EA	5 Gallon Ophiopogon Japonicus - Mondo grass.....		44.80	
32 93 13 00-0103	EA	2' To 3' High Oregon Holly-Grape.....		22.43	
32 93 13 00-0104	EA	1 Gallon Pachysandra terminalis - Pachysandra.....		29.22	
32 93 13 00-0105	EA	2-1/4" Pot Vinca minor - Periwinkle.....		2.70	
32 93 13 00-0106	EA	4" Pot Vinca minor - Periwinkle.....		8.10	
32 93 13 00-0107	EA	Bare Root Vinca minor - Periwinkle.....		2.70	
32 93 13 00-0108	EA	1 Quart Nepeta mussinii - Persian Catmint.....		8.10	
32 93 13 00-0109	EA	1 Gallon Nepeta mussinii - Persian Catmint.....		16.73	
32 93 13 00-0110	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma.....		13.49	
32 93 13 00-0111	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma.....		49.12	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 13 00-0112	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper	22.13	
32 93 13 00-0113	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper	47.50	
32 93 13 00-0114	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper	70.17	
32 93 13 00-0115	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	19.27	
32 93 13 00-0116	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	49.94	
32 93 13 00-0117	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	83.66	
32 93 13 00-0118	EA	1 Gallon Tradescantia spathacea - Rhoeco Discolor 'Dwarf'	10.20	
32 93 13 00-0119	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	11.34	
32 93 13 00-0120	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	20.24	
32 93 13 00-0121	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	31.58	
32 93 13 00-0122	EA	1 Gallon Hymenocallis latifolia - Spider Lily	12.56	
32 93 13 00-0123	EA	3 Gallon Hymenocallis latifolia - Spider Lily	33.51	
32 93 13 00-0124	EA	1 Quart Hypericum perforatum - St. John's Wort	8.10	
32 93 13 00-0125	EA	1 Gallon Hypericum perforatum - St. John's Wort	19.43	
32 93 13 00-0126	EA	5 Gallon Hypericum perforatum - St. John's Wort	50.20	
32 93 13 00-0127	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum	68.31	
32 93 13 00-0128	EA	1 Gallon Campsis radicans - Trumpet Creeper	29.69	
32 93 13 00-0129	EA	2 Gallon Campsis radicans - Trumpet Creeper	44.80	
32 93 13 00-0130	EA	5 Gallon Campsis radicans - Trumpet Creeper	107.95	
32 93 13 00-0131	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle	2.70	
32 93 13 00-0132	EA	4" Pot Vinca major - Variegated Greater Periwinkle	8.10	
32 93 13 00-0133	EA	Bare Root Vinca major - Variegated Greater Periwinkle	2.70	
32 93 13 00-0134	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	14.57	
32 93 13 00-0135	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	20.24	
32 93 13 00-0136	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	31.58	
32 93 13 00-0137	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	22.13	
32 93 13 00-0138	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena	10.26	
32 93 13 00-0139	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	15.65	
32 93 13 00-0140	EA	48 Plant Flat Vinca minor - Lesser Periwinkle	96.20	
32 93 13 00-0141	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	4.86	
32 93 13 00-0142	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper	25.37	
32 93 13 00-0143	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	19.43	
32 93 13 00-0144	EA	2 Gallon Jasminum polyanthum - Winter Jasmine	38.86	
32 93 13 00-0145	EA	5 Gallon Jasminum polyanthum - Winter Jasmine	67.47	
32 93 13 00-0146	EA	1 Gallon Cistaceae - Winkleleaf Rock Rose	15.65	
32 93 13 00-0147	EA	5 Gallon Cistaceae - Winkleleaf Rock Rose	53.44	
32 93 13 00-0148	EA	Flat Hedera canariensis - Algerian Ivy	23.23	
32 93 13 00-0149	EA	2-1/2" Pot Hedera canariensis - Algerian Ivy	6.13	
32 93 13 00-0150	EA	Flat Gazania 'Copper King'	19.05	
32 93 13 00-0151	EA	1 Gallon Gazania 'Copper King'	6.50	
32 93 13 00-0152	EA	Flat Myoporum parvifolium - Myoporum	23.23	
32 93 13 00-0153	EA	1 Gallon Myoporum parvifolium - Myoporum	6.50	
32 93 13 00-0154	EA	5 Gallon Myoporum parvifolium - Myoporum	18.58	
32 93 13 00-0155	EA	1 Gallon Lantana montevidensis - Purple Lantana	6.50	
32 93 13 00-0156	EA	5 Gallon Lantana montevidensis - Purple Lantana	18.58	
32 93 13 00-0157	EA	Flat Carpobrotus - Ice Plant	17.65	
32 93 13 00-0158	EA	1 Gallon Carpobrotus - Ice Plant	7.43	
32 93 13 00-0159	EA	1 Gallon Acmispon galaber - Common Deerweed	13.92	
32 93 13 00-0160	EA	1 Gallon Acacia redolens - Bank Catclaw	5.77	
32 93 13 00-0161	EA	5 Gallon Acacia redolens - Bank Catclaw	17.90	
32 93 13 00-0162	EA	15 Gallon Acacia redolens - Bank Catclaw	69.62	
32 93 13 00-0163	EA	1 Gallon Achillea filipendulina - Fernleaf Yarrow	8.55	
32 93 13 00-0164	EA	1 Gallon Achillea millefolium - Common Yarrow	7.76	
32 93 13 00-0165	EA	5 Gallon Achillea millefolium - Common Yarrow	23.87	
32 93 13 00-0166	EA	1 Gallon Achillea millefolium 'Paprika' - Red Yarrow	8.55	
32 93 13 00-0167	EA	1 Gallon Achillea 'Moonshine' - Yellow yarrow	8.55	
32 93 13 00-0168	EA	1 Gallon Agave americana - Century Plant	11.74	
32 93 13 00-0169	EA	5 Gallon Agave americana - Century Plant	31.82	
32 93 13 00-0170	EA	15 Gallon Agave americana - Century Plant	97.46	
32 93 13 00-0171	EA	24" Box Agave americana - Century Plant	348.08	
32 93 13 00-0172	EA	1 Gallon Agave vilmoriniana - Octopus Agave	11.74	
32 93 13 00-0173	EA	5 Gallon Agave vilmoriniana - Octopus Agave	31.82	
32 93 13 00-0174	EA	15 Gallon Agave vilmoriniana - Octopus Agave	97.46	
32 93 13 00-0175	EA	24" Box Agave vilmoriniana - Octopus Agave	348.08	
32 93 13 00-0176	EA	5 Gallon Nolina parryi - Giant Nolina	31.82	

**32 93 13 00-0177 Ornamental Grasses** (32 93 13)

32 93 13 00-0178	EA	1 Gallon, Cortaderia selloana - Pampas Grass	30.65	
32 93 13 00-0179	EA	2 Gallon, Cortaderia selloana - Pampas Grass	56.66	
32 93 13 00-0180	EA	3 Gallon, Cortaderia selloana - Pampas Grass	102.97	
32 93 13 00-0181	EA	5 Gallon, Cortaderia selloana - Pampas Grass	187.42	
32 93 13 00-0182	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass	23.46	
32 93 13 00-0183	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass	31.20	
32 93 13 00-0184	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass	33.39	
32 93 13 00-0185	EA	1 Quart, Koeleria glauca - Blue Hair Grass	23.40	
32 93 13 00-0186	EA	1 Gallon, Koeleria glauca - Blue Hair Grass	31.20	
32 93 13 00-0187	EA	3 Gallon, Koeleria glauca - Blue Hair Grass	75.48	
32 93 13 00-0188	EA	1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	29.62	
32 93 13 00-0189	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	38.39	
32 93 13 00-0190	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	73.39	



<b>Exterior Improvements</b>		<b>32</b>
Planting		32 90
Plants		32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0191 EA 1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	27.49	
32 93 13 00-0192 EA 3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	43.22	
32 93 13 00-0193 EA 5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	73.97	
32 93 13 00-0194 EA 1 Quart, Pennisetum setaceum - Fountain Grass	25.59	
32 93 13 00-0195 EA 1 Gallon, Pennisetum setaceum - Fountain Grass	65.10	
32 93 13 00-0196 EA 3 Gallon, Pennisetum setaceum - Fountain Grass	85.83	
32 93 13 00-0197 EA 1 Gallon, Saccharum ravennae - Ravenna Grass	81.03	
32 93 13 00-0198 EA 3 Gallon, Saccharum ravennae - Ravenna Grass	91.02	
32 93 13 00-0199 EA 7 Gallon, Saccharum ravennae - Ravenna Grass	150.16	
32 93 13 00-0200 EA 1 Gallon, Spartina pectinata - Variegated Cord Grass	43.99	
32 93 13 00-0201 EA 2 Gallon, Spartina pectinata - Variegated Cord Grass	65.85	
32 93 13 00-0202 EA 1 Quart, Stipa gigantea - Giant Feather Grass	33.58	
32 93 13 00-0203 EA 1 Gallon, Stipa gigantea - Giant Feather Grass	46.80	

**32 93 23 Plants and Bulbs (32 93)**

Note: Materials only. See CSI section 32 93 83 00-0062 for installation and planting of bulbs and annuals.

**32 93 23 00-0001 Perennials (32 93 23)**

32 93 23 00-0002 EA 2 Quart Assorted Daylilies	15.65	
32 93 23 00-0003 EA 1 Gallon Assorted Daylilies	22.13	
32 93 23 00-0004 EA 2 Gallon Assorted Daylilies	36.70	
32 93 23 00-0005 EA 1 Quart Azure Penstemon	8.09	
32 93 23 00-0006 EA 1 Gallon Azure Penstemon	20.24	
32 93 23 00-0007 EA 1 Quart Balloon Flower	8.09	
32 93 23 00-0008 EA 1 Gallon Balloon Flower	20.24	
32 93 23 00-0009 EA 1 Quart Black-eyed Susan	8.09	
32 93 23 00-0010 EA 1 Gallon Black-eyed Susan	20.24	
32 93 23 00-0011 EA 2 Gallon Black-eyed Susan	26.18	
32 93 23 00-0012 EA 1 Quart Blackberry Lily	8.09	
32 93 23 00-0013 EA 1 Gallon Blackberry Lily	20.24	
32 93 23 00-0014 EA 1 Quart Blank Flower	8.09	
32 93 23 00-0015 EA 1 Gallon Blank Flower	18.62	
32 93 23 00-0016 EA 2 Gallon Blank Flower	26.18	
32 93 23 00-0017 EA 1 Quart Blazing Star, Gayfeather	8.09	
32 93 23 00-0018 EA 1 Gallon Blazing Star, Gayfeather	20.24	
32 93 23 00-0019 EA 1 Quart Bloodred Geranium	13.76	
32 93 23 00-0020 EA 1 Gallon Bloodred Geranium	23.21	
32 93 23 00-0021 EA 1 Quart Blue Plumbago	8.09	
32 93 23 00-0022 EA 1 Gallon Blue Plumbago	20.24	
32 93 23 00-0023 EA 1 Quart Blue Star	14.57	
32 93 23 00-0024 EA 1 Gallon Blue Star	23.21	
32 93 23 00-0025 EA 1 Quart Cardinal Flower	8.09	
32 93 23 00-0026 EA 1 Gallon Cardinal Flower	20.24	
32 93 23 00-0027 EA 4" Pot Columbine	4.86	
32 93 23 00-0028 EA 1 Quart Columbine	8.09	
32 93 23 00-0029 EA 1 Gallon Columbine	20.24	
32 93 23 00-0030 EA 1 Quart Common Globeflower	8.09	
32 93 23 00-0031 EA 1 Gallon Common Globeflower	20.24	
32 93 23 00-0032 EA 1 Quart Cottage Pink, Scotch Pink	8.09	
32 93 23 00-0033 EA 1 Quart Cottage Pink, Scotch Pink	20.24	
32 93 23 00-0034 EA 1 Gallon Astilbe 'Deutschland'	29.15	
32 93 23 00-0035 EA 1 Quart Diploid	10.26	
32 93 23 00-0036 EA 1 Gallon Diploid	23.21	
32 93 23 00-0037 EA 3 Gallon Diploid	39.94	
32 93 23 00-0038 EA 4" Pot Dune Sunflower	11.56	
32 93 23 00-0039 EA 1 Quart Evans Begonia	14.57	
32 93 23 00-0040 EA 1 Gallon Evans Begonia	26.18	
32 93 23 00-0041 EA 1 Quart False Dragonhead	8.09	
32 93 23 00-0042 EA 1 Gallon False Dragonhead	20.24	
32 93 23 00-0043 EA 1 Quart False Spirea	8.09	
32 93 23 00-0044 EA 1 Gallon False Spirea	26.18	
32 93 23 00-0045 EA 3 Gallon False Spirea	36.16	
32 93 23 00-0046 EA 2 Quart False Sunflower	12.95	
32 93 23 00-0047 EA 1 Gallon False Sunflower	20.24	
32 93 23 00-0048 EA 2 Gallon False Sunflower	26.18	
32 93 23 00-0049 EA 1 Gallon Foxglove	18.62	
32 93 23 00-0050 EA 2 Gallon Foxglove	26.18	
32 93 23 00-0051 EA 3 Gallon Foxglove	37.78	
32 93 23 00-0052 EA 1 Gallon Francee Hostas	32.78	
32 93 23 00-0053 EA 1 Quart Garden Phlox	8.09	
32 93 23 00-0054 EA 1 Gallon Garden Phlox	20.24	
32 93 23 00-0055 EA 2 Quart Golden Groundsel	17.27	
32 93 23 00-0056 EA 2 Gallon Golden Groundsel	34.82	
32 93 23 00-0057 EA 1 Quart Golden Star	8.09	
32 93 23 00-0058 EA 1 Gallon Golden Star	20.24	
32 93 23 00-0059 EA 1 Quart Goldenrod	8.09	
32 93 23 00-0060 EA 1 Gallon Goldenrod	20.24	
32 93 23 00-0061 EA 1 Gallon Happy Returns Daylilies	37.70	
32 93 23 00-0062 EA 4" Pot Hardy Aster, Michaelmas Daisy	4.86	
32 93 23 00-0063 EA 1 Quart Hardy Aster, Michaelmas Daisy	8.09	
32 93 23 00-0064 EA 1 Gallon Hardy Aster, Michaelmas Daisy	20.24	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum.....	7.02
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum.....	11.61
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum.....	18.62
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony.....	28.88
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony.....	46.15
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony.....	60.73
32 93 23 00-0071	EA	4" Pot Japanese Anemone.....	4.86
32 93 23 00-0072	EA	1 Quart Japanese Anemone.....	14.57
32 93 23 00-0073	EA	2 Gallon Japanese Anemone.....	26.18
32 93 23 00-0074	EA	2" Pot Japanese Spurge.....	2.88
32 93 23 00-0075	EA	6" Pot Japanese Spurge.....	4.32
32 93 23 00-0076	EA	1 Gallon Japanese Spurge.....	18.59
32 93 23 00-0077	EA	1 Quart Oriental Poppy.....	11.61
32 93 23 00-0078	EA	1 Gallon Oriental Poppy.....	23.21
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis.....	96.20
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris.....	15.92
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris.....	30.23
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells.....	30.65
32 93 23 00-0083	EA	4" Pot Perennial Salvia.....	4.86
32 93 23 00-0084	EA	1 Quart Perennial Salvia.....	8.09
32 93 23 00-0085	EA	1 Gallon Perennial Salvia.....	20.24
32 93 23 00-0086	EA	1 Quart Pincushion Flower.....	8.09
32 93 23 00-0087	EA	1 Gallon Pincushion Flower.....	20.24
32 93 23 00-0088	EA	2 Quart Plantain Lily.....	15.65
32 93 23 00-0089	EA	1 Gallon Plantain Lily.....	22.13
32 93 23 00-0090	EA	2 Gallon Plantain Lily.....	36.70
32 93 23 00-0091	EA	3 Gallon Plantain Lily.....	69.36
32 93 23 00-0092	EA	2 Quart Purple Coneflower.....	14.57
32 93 23 00-0093	EA	1 Gallon Purple Coneflower.....	20.24
32 93 23 00-0094	EA	2 Gallon Purple Coneflower.....	26.18
32 93 23 00-0095	EA	1 Quart Purple Loosestrife.....	8.09
32 93 23 00-0096	EA	1 Gallon Purple Loosestrife.....	20.24
32 93 23 00-0097	EA	1 Quart Rose Mallow.....	15.92
32 93 23 00-0098	EA	2 Gallon Rose Mallow.....	28.88
32 93 23 00-0099	EA	3 Gallon Rose Mallow.....	49.39
32 93 23 00-0100	EA	1 Gallon Autumn Joy Sedum.....	30.86
32 93 23 00-0101	EA	1 Quart Siberian Iris.....	13.76
32 93 23 00-0102	EA	2 Gallon Siberian Iris.....	26.18
32 93 23 00-0103	EA	3 Gallon Siberian Iris.....	36.16
32 93 23 00-0104	EA	1 Quart Speedwell.....	8.09
32 93 23 00-0105	EA	1 Gallon Speedwell.....	20.24
32 93 23 00-0106	EA	1 Quart Tetraploid.....	20.24
32 93 23 00-0107	EA	1 Gallon Tetraploid.....	37.78
32 93 23 00-0108	EA	3 Gallon Tetraploid.....	51.55
32 93 23 00-0109	EA	1 Quart Threadleaf Coreopsis.....	8.09
32 93 23 00-0110	EA	1 Gallon Threadleaf Coreopsis.....	20.24
32 93 23 00-0111	EA	1 Quart Torch Lily.....	8.09
32 93 23 00-0112	EA	1 Quart Bluebeard.....	14.57
32 93 23 00-0113	EA	1 Gallon Bluebeard.....	21.59
32 93 23 00-0114	EA	2 Gallon Bluebeard.....	31.58

**32 93 23 00-0115 Annuals (32 93 23)**

32 93 23 00-0116	EA	2-1/2" Pot Annual Flowers.....	3.76
32 93 23 00-0117	EA	3" Pot Annual Flowers.....	5.08
32 93 23 00-0118	EA	4" Pot Annual Flowers.....	10.86
32 93 23 00-0119	EA	5-1/2" Pot Annual Flowers.....	14.44
32 93 23 00-0120	EA	6" Pot Annual Flowers.....	28.60
32 93 23 00-0121	EA	8" Pot Annual Flowers.....	47.67
32 93 23 00-0122	EA	36 Plant Flat Annual Flowers.....	62.40
32 93 23 00-0123	EA	48 Plant Flat Annual Flowers.....	70.78

**32 93 23 00-0124 Bulbs (32 93 23)**

32 93 23 00-0125	EA	Top Size Allium giganteum - Giant Ornamental Onion.....	13.06
32 93 23 00-0126	EA	Top Size Allium sphaerocephalum - Drumstick Ornamental Onion.....	0.75
32 93 23 00-0127	EA	Top Size Crocus Hybrid.....	0.85
32 93 23 00-0128	EA	Top Size Eranthis hyemalis - Winter Aconite.....	1.11
32 93 23 00-0129	EA	Top Size Galanthus nivalis - Snowdrops.....	1.41
32 93 23 00-0130	EA	Top Size Iris reticulata cvs - Dutch Iris.....	0.55
32 93 23 00-0131	EA	Top Size Muscari armeniacum - Grape Hyacinth.....	0.65
32 93 23 00-0132	EA	Top Size Muscari latifolium - Grape Hyacinth.....	0.75
32 93 23 00-0133	EA	Narcissus 'Carlton' - Carlton Daffodil DNI.....	4.52
32 93 23 00-0134	EA	Narcissus 'Dutch Master' - Dutch Master Daffodil DNI.....	2.16
32 93 23 00-0135	EA	Narcissus 'February Gold' - February Gold Daffodil DNI.....	2.26
32 93 23 00-0136	EA	Narcissus 'Ice Follies' - Ice Follies Daffodil DNI.....	2.26
32 93 23 00-0137	EA	Narcissus 'Mount Hood' - Mount Hood Daffodil DNI.....	2.36
32 93 23 00-0138	EA	Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI.....	2.51
32 93 23 00-0139	EA	Narcissus 'Pipit' - Pipit Daffodil DNI.....	2.36
32 93 23 00-0140	EA	Narcissus 'Salome' - Salome Daffodil DNI.....	2.21
32 93 23 00-0141	EA	Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI.....	2.36



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0142	EA		Narcissus 'Thalia' - Thalia Daffodil DNI.....	2.36	
32 93 23 00-0143	EA		Top Size Scilla siberica - Siberian Squill.....	0.70	
32 93 23 00-0144	EA		Top Size Tulip 'Angelique' - Angelique Tulip.....	2.01	
32 93 23 00-0145	EA		Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip.....	1.51	
32 93 23 00-0146	EA		Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip.....	2.01	
32 93 23 00-0147	EA		Top Size Tulip 'Big Smile' - Big Smile Tulip.....	1.76	
32 93 23 00-0148	EA		Top Size Tulip 'Black Parrot' - Black Parrot Tulip.....	2.51	
32 93 23 00-0149	EA		Top Size Tulip 'Blue Heron' - Blue Heron Tulip.....	1.91	
32 93 23 00-0150	EA		Top Size Tulip 'Cardinal' - Cardinal Tulip.....	1.66	
32 93 23 00-0151	EA		Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip.....	1.86	
32 93 23 00-0152	EA		Top Size Tulip clusiana - Species Tulip.....	1.86	
32 93 23 00-0153	EA		Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip.....	1.86	
32 93 23 00-0154	EA		Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip.....	1.51	
32 93 23 00-0155	EA		Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip.....	1.46	
32 93 23 00-0156	EA		Top Size Tulip 'Halcro' - Halcro Tulip.....	1.51	
32 93 23 00-0157	EA		Top Size Tulip 'Ivory Floradale' - Ivory FloradaleTulip.....	2.51	
32 93 23 00-0158	EA		Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip.....	1.51	
32 93 23 00-0159	EA		Top Size Tulip 'Passionale' - Passionale Tulip.....	2.01	
32 93 23 00-0160	EA		Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip.....	2.16	
32 93 23 00-0161	EA		Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip.....	2.26	
32 93 23 00-0162	EA		Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip.....	1.81	
32 93 23 00-0163	EA		Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip.....	1.71	
32 93 23 00-0164	EA		Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip.....	1.86	
32 93 23 00-0165	EA		Top Size Tulip 'Princes' - Princes Tulip.....	1.86	
32 93 23 00-0166	EA		Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip.....	1.46	
32 93 23 00-0167	EA		Top Size Tulip saxatilis - Species Tulip.....	1.00	
32 93 23 00-0168	EA		Top Size Tulip 'Shirley' - Shirley Tulip.....	1.51	
32 93 23 00-0169	EA		Top Size Tulip 'Spring Green' - Spring Green Tulip.....	1.96	
32 93 23 00-0170	EA		Top Size Tulip 'White Emperor' - White Emperor Tulip.....	1.51	

32 93 33 Shrubs (32 93)

Note: (cvs = cultivar) materials only. See CSI section 32 93 83 00-0038 for installation and planting of shrubs.

32 93 33 00-0001 Shrubs (32 93 33)

32 93 33 00-0002	EA	1	Gallon Abelia x grandiflora - Abelia.....	14.56	
32 93 33 00-0003	EA	3	Gallon Abelia x grandiflora - Abelia.....	29.64	
32 93 33 00-0004	EA	5	Gallon Abelia x grandiflora - Abelia.....	56.90	
32 93 33 00-0005	EA	1	Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia.....	8.64	
32 93 33 00-0006	EA	5	Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia.....	21.37	
32 93 33 00-0007	EA	15	Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia.....	84.83	
32 93 33 00-0008	EA	3	Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	87.68	
32 93 33 00-0009	EA	18"	Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	128.14	
32 93 33 00-0010	EA	24"	Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	142.98	
32 93 33 00-0011	EA	30"	Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	180.75	
32 93 33 00-0012	EA	36"	Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	200.98	
32 93 33 00-0013	EA	18"	Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye.....	40.47	
32 93 33 00-0014	EA	24"	Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye.....	53.95	
32 93 33 00-0015	EA	30"	Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye.....	67.44	
32 93 33 00-0016	EA	1	Gallon Agapanthus 'Peter Pan' - Lily of the Nile.....	8.64	
32 93 33 00-0017	EA	5	Gallon Agapanthus 'Peter Pan' - Lily of the Nile.....	21.37	
32 93 33 00-0018	EA	36"	Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	37.24	
32 93 33 00-0019	EA	42"	Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	43.82	
32 93 33 00-0020	EA	48"	Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	52.58	
32 93 33 00-0021	EA	60"	Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	61.34	
32 93 33 00-0022	EA	72"	Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	74.49	
32 93 33 00-0023	EA	36"	Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	36.15	
32 93 33 00-0024	EA	42"	Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	38.34	
32 93 33 00-0025	EA	48"	Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	40.53	
32 93 33 00-0026	EA	60"	Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	46.01	
32 93 33 00-0027	EA	36"	Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	36.70	
32 93 33 00-0028	EA	42"	Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	38.89	
32 93 33 00-0029	EA	48"	Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	41.08	
32 93 33 00-0030	EA	60"	Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	43.27	
32 93 33 00-0031	EA	1	Gallon Aspidistra elatior - Cast Iron Plant.....	7.53	
32 93 33 00-0032	EA	2	Gallon Aspidistra elatior - Cast Iron Plant.....	17.42	
32 93 33 00-0033	EA	1	Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	8.83	
32 93 33 00-0034	EA	3	Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	19.42	
32 93 33 00-0035	EA	5	Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	26.24	
32 93 33 00-0036	EA	1	Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush.....	8.64	
32 93 33 00-0037	EA	5	Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush.....	21.37	
32 93 33 00-0038	EA	1	Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush.....	8.64	
32 93 33 00-0039	EA	5	Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush.....	21.37	
32 93 33 00-0040	EA	1	Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	9.41	
32 93 33 00-0041	EA	2	Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	13.77	
32 93 33 00-0042	EA	15"	To 18" Berberis - Northern Bayberry.....	39.30	
32 93 33 00-0043	EA	2'	To 2-1/2' Berberis - Northern Bayberry.....	49.89	
32 93 33 00-0044	EA	2-1/2'	To 3' Berberis - Northern Bayberry.....	69.90	
32 93 33 00-0045	EA	1	Gallon Berberis Buxifolia 'Nana' - Barberry.....	9.76	
32 93 33 00-0046	EA	5	Gallon Berberis Buxifolia 'Nana' - Barberry.....	23.51	
32 93 33 00-0047	EA	18"	To 24" Berberis julianae - Dwarf Wintergreen Barberry.....	42.01	
32 93 33 00-0048	EA	2'	To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry.....	53.78	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 33 00-0049	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry	68.72	
32 93 33 00-0050	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry	11.30	
32 93 33 00-0051	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry	22.24	
32 93 33 00-0052	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry	27.18	
32 93 33 00-0053	EA	1 Gallon Berberis x mentorensis - Mentor Barberry	10.71	
32 93 33 00-0054	EA	5 Gallon Berberis x mentorensis - Mentor Barberry	30.24	
32 93 33 00-0055	EA	2' To 3' Berberis x mentorensis - Mentor Barberry	42.01	
32 93 33 00-0056	EA	3' To 4' Berberis x mentorensis - Mentor Barberry	64.84	
32 93 33 00-0057	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood	12.24	
32 93 33 00-0058	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood	32.83	
32 93 33 00-0059	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood	34.95	
32 93 33 00-0060	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood	44.95	
32 93 33 00-0061	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood	59.90	
32 93 33 00-0062	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood	89.90	
32 93 33 00-0063	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood	124.85	
32 93 33 00-0064	EA	12" To 15" Buxus sempervirens - Common Boxwood	34.95	
32 93 33 00-0065	EA	15" To 18" Buxus sempervirens - Common Boxwood	44.95	
32 93 33 00-0066	EA	18" To 24" Buxus sempervirens - Common Boxwood	59.90	
32 93 33 00-0067	EA	24" To 30" Buxus sempervirens - Common Boxwood	89.90	
32 93 33 00-0068	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars	23.00	
32 93 33 00-0069	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars	38.34	
32 93 33 00-0070	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood	100.78	
32 93 33 00-0071	EA	18" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	54.77	
32 93 33 00-0072	EA	24" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	74.49	
32 93 33 00-0073	EA	30" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	100.78	
32 93 33 00-0074	EA	1 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush	7.76	
32 93 33 00-0075	EA	5 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush	23.87	
32 93 33 00-0076	EA	15 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush	77.57	
32 93 33 00-0077	EA	5 Gallon Calycanthus floridus - Common Sweetshrub	36.15	
32 93 33 00-0078	EA	30" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	32.86	
32 93 33 00-0079	EA	36" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	43.82	
32 93 33 00-0080	EA	1 Gallon Camellia "Sasanqua" - Camellia	10.62	
32 93 33 00-0081	EA	3 Gallon Camellia "Sasanqua" - Camellia	22.66	
32 93 33 00-0082	EA	5 Gallon Camellia "Sasanqua" - Camellia	37.68	
32 93 33 00-0083	EA	7 Gallon Camellia "Sasanqua" - Camellia	56.11	
32 93 33 00-0084	EA	15 Gallon Camellia "Sasanqua" - Camellia	145.58	
32 93 33 00-0085	EA	1 Gallon Camellia japonica - Camellia	10.62	
32 93 33 00-0086	EA	3 Gallon Camellia japonica - Camellia	22.66	
32 93 33 00-0087	EA	5 Gallon Camellia japonica - Camellia	37.68	
32 93 33 00-0088	EA	5 Gallon Ceanothus americanus - New Jersey Tea	36.15	
32 93 33 00-0089	EA	1 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	9.76	
32 93 33 00-0090	EA	5 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	25.37	
32 93 33 00-0091	EA	5 Gallon Celastrus scandens - Bittersweet	36.15	
32 93 33 00-0092	EA	36" Balled and Burlapped, Celastrus scandens - Bittersweet	30.67	
32 93 33 00-0093	EA	5 Gallon Cephalanthus occidentalis - Buttonbush	36.15	
32 93 33 00-0094	EA	24" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	27.38	
32 93 33 00-0095	EA	30" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	30.67	
32 93 33 00-0096	EA	36" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	32.86	
32 93 33 00-0097	EA	18" To 24" Chaenomeles speciosa - Flowering Quince	31.54	
32 93 33 00-0098	EA	2' To 3' Chaenomeles speciosa - Flowering Quince	42.01	
32 93 33 00-0099	EA	3' To 4' Chaenomeles speciosa - Flowering Quince	64.84	
32 93 33 00-0100	EA	1 Gallon Cistus Hybridus - White Rockrose	8.64	
32 93 33 00-0101	EA	5 Gallon Cistus Hybridus - White Rockrose	21.37	
32 93 33 00-0102	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	35.05	
32 93 33 00-0103	EA	18" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	37.79	
32 93 33 00-0104	EA	24" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	42.17	
32 93 33 00-0105	EA	30" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	44.36	
32 93 33 00-0106	EA	36" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	52.03	
32 93 33 00-0107	EA	1 Gallon Coleonema Pulchellum - Confetti Bush	8.64	
32 93 33 00-0108	EA	5 Gallon Coleonema Pulchellum - Confetti Bush	21.37	
32 93 33 00-0109	EA	15 Gallon Coleonema Pulchellum - Confetti Bush	100.07	
32 93 33 00-0110	EA	2' To 3' Cornus mas - Cornelian Cherry	49.89	
32 93 33 00-0111	EA	3' To 4' Cornus mas - Cornelian Cherry	62.37	
32 93 33 00-0112	EA	4' To 5' Cornus mas - Cornelian Cherry	79.90	
32 93 33 00-0113	EA	5' To 6' Cornus mas - Cornelian Cherry	109.79	
32 93 33 00-0114	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	32.86	
32 93 33 00-0115	EA	36" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	23.00	
32 93 33 00-0116	EA	48" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	26.29	
32 93 33 00-0117	EA	60" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	32.86	
32 93 33 00-0118	EA	72" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	39.43	
32 93 33 00-0119	EA	36" Balled and Burlapped, Cornus amomum - Silky Dogwood	32.86	
32 93 33 00-0120	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	36.15	
32 93 33 00-0121	EA	5 Gallon Cornus racemosa - Gray Dogwood	36.15	
32 93 33 00-0122	EA	36" Balled and Burlapped, Cornus racemosa - Gray Dogwood	32.86	
32 93 33 00-0123	EA	48" Balled and Burlapped, Cornus racemosa - Gray Dogwood	38.34	
32 93 33 00-0124	EA	60" Balled and Burlapped, Cornus racemosa - Gray Dogwood	41.62	
32 93 33 00-0125	EA	72" Balled and Burlapped, Cornus racemosa - Gray Dogwood	50.39	
32 93 33 00-0126	EA	36" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	35.60	
32 93 33 00-0127	EA	48" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	39.98	
32 93 33 00-0128	EA	60" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	45.46	
32 93 33 00-0129	EA	24" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	28.48	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0130	EA		30" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood.....	32.86	
32 93 33 00-0131	EA		36" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood.....	35.05	
32 93 33 00-0132	EA		48" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood.....	38.34	
32 93 33 00-0133	EA		60" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood.....	42.72	
32 93 33 00-0134	EA		5 Gallon Corylus americana - American Filbert.....	33.96	
32 93 33 00-0135	EA		30" Balled and Burlapped, Corylus americana - American Filbert.....	38.34	
32 93 33 00-0136	EA		36" Balled and Burlapped, Corylus americana - American Filbert.....	41.08	
32 93 33 00-0137	EA		48" Balled and Burlapped, Corylus americana - American Filbert.....	44.36	
32 93 33 00-0138	EA		24" Balled and Burlapped, Corylus avellana - Contorted Hazelnut.....	109.54	
32 93 33 00-0139	EA		30" Balled and Burlapped, Corylus avellana - Contorted Hazelnut.....	142.40	
32 93 33 00-0140	EA		36" Balled and Burlapped, Corylus avellana - Contorted Hazelnut.....	153.35	
32 93 33 00-0141	EA		42" Balled and Burlapped, Corylus avellana - Contorted Hazelnut.....	197.17	
32 93 33 00-0142	EA		48" Balled and Burlapped, Corylus avellana - Contorted Hazelnut.....	240.99	
32 93 33 00-0143	EA		60" Balled and Burlapped, Corylus avellana - Contorted Hazelnut.....	273.85	
32 93 33 00-0144	EA		5' To 6' Cotinus coggygria - Smoke Tree.....	104.85	
32 93 33 00-0145	EA		6' To 8' Cotinus coggygria - Smoke Tree.....	157.21	
32 93 33 00-0146	EA		8' To 10' Cotinus coggygria - Smoke Tree.....	237.12	
32 93 33 00-0147	EA		5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	27.38	
32 93 33 00-0148	EA		18" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	27.38	
32 93 33 00-0149	EA		24" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	28.48	
32 93 33 00-0150	EA		12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster.....	26.24	
32 93 33 00-0151	EA		3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	28.48	
32 93 33 00-0152	EA		18" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	27.38	
32 93 33 00-0153	EA		24" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	28.48	
32 93 33 00-0154	EA		1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster.....	11.30	
32 93 33 00-0155	EA		2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster.....	34.95	
32 93 33 00-0156	EA		3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster.....	47.19	
32 93 33 00-0157	EA		4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster.....	79.90	
32 93 33 00-0158	EA		1 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster.....	8.64	
32 93 33 00-0159	EA		5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster.....	21.37	
32 93 33 00-0160	EA		1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	11.30	
32 93 33 00-0161	EA		2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	22.24	
32 93 33 00-0162	EA		1 Gallon Cotoneaster lacteus - Red Clusterberry.....	8.64	
32 93 33 00-0163	EA		5 Gallon Cotoneaster lacteus - Red Clusterberry.....	21.37	
32 93 33 00-0164	EA		15 Gallon Cotoneaster lacteus - Red Clusterberry.....	84.83	
32 93 33 00-0165	EA		1 Gallon Dendromecon harfordii - Island Bush Poppy.....	19.89	
32 93 33 00-0166	EA		5 Gallon Dendromecon harfordii - Island Bush Poppy.....	49.72	
32 93 33 00-0167	EA		18" Balled and Burlapped, Deutzia gracilis - Slender Deutzia.....	27.93	
32 93 33 00-0168	EA		24" Balled and Burlapped, Deutzia gracilis - Slender Deutzia.....	30.67	
32 93 33 00-0169	EA		30" Balled and Burlapped, Deutzia gracilis - Slender Deutzia.....	39.43	
32 93 33 00-0170	EA		36" Balled and Burlapped, Deutzia gracilis - Slender Deutzia.....	46.01	
32 93 33 00-0171	EA		42" Balled and Burlapped, Deutzia gracilis - Slender Deutzia.....	52.58	
32 93 33 00-0172	EA		24" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle.....	43.82	
32 93 33 00-0173	EA		30" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle.....	52.58	
32 93 33 00-0174	EA		36" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle.....	61.34	
32 93 33 00-0175	EA		2 Gallon Diervilla splendens - Splendens Bush Honeysuckle.....	16.43	
32 93 33 00-0176	EA		36" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle.....	39.43	
32 93 33 00-0177	EA		48" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle.....	52.58	
32 93 33 00-0178	EA		1 Gallon Elaeagnus - Silverberry.....	10.08	
32 93 33 00-0179	EA		3 Gallon Elaeagnus - Silverberry.....	20.16	
32 93 33 00-0180	EA		5 Gallon Elaeagnus - Silverberry.....	27.71	
32 93 33 00-0181	EA		5 Gallon Elaeagnus angustifolia - Russian Olive.....	21.37	
32 93 33 00-0182	EA		1 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry.....	8.64	
32 93 33 00-0183	EA		5 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry.....	21.37	
32 93 33 00-0184	EA		15 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry.....	84.83	
32 93 33 00-0185	EA		1 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry.....	8.64	
32 93 33 00-0186	EA		5 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry.....	21.37	
32 93 33 00-0187	EA		15 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry.....	84.83	
32 93 33 00-0188	EA		3' To 4' Elaeagnus umbellata - Autumn Olive.....	32.71	
32 93 33 00-0189	EA		4' To 5' Elaeagnus umbellata - Autumn Olive.....	44.95	
32 93 33 00-0190	EA		5' To 6' Elaeagnus umbellata - Autumn Olive.....	53.78	
32 93 33 00-0191	EA		3' To 4' Elaeagnus angustifolia - Russian Olive.....	52.37	
32 93 33 00-0192	EA		1 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia.....	8.64	
32 93 33 00-0193	EA		5 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia.....	21.37	
32 93 33 00-0194	EA		15 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia.....	84.83	
32 93 33 00-0195	EA		1 Gallon Euonymus - Gold Spot.....	9.42	
32 93 33 00-0196	EA		2 Gallon Euonymus - Gold Spot.....	19.77	
32 93 33 00-0197	EA		5 Gallon Euonymus - Gold Spot.....	27.18	
32 93 33 00-0198	EA		1 Gallon Euonymus alatus - Winged Euonymus.....	8.04	
32 93 33 00-0199	EA		3 Gallon Euonymus alatus - Winged Euonymus.....	23.18	
32 93 33 00-0200	EA		24" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	31.24	
32 93 33 00-0201	EA		30" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	39.05	
32 93 33 00-0202	EA		36" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	53.66	
32 93 33 00-0203	EA		42" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	66.26	
32 93 33 00-0204	EA		48" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	78.10	
32 93 33 00-0205	EA		54" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	100.78	
32 93 33 00-0206	EA		5 Gallon Euonymus alatus - Winged Euonymus.....	28.97	
32 93 33 00-0207	EA		60" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	125.97	
32 93 33 00-0208	EA		30" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	49.29	
32 93 33 00-0209	EA		36" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	58.60	
32 93 33 00-0210	EA		42" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	76.68	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 33 00-0211	EA	48" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	92.01
32 93 33 00-0212	EA	60" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	113.92
32 93 33 00-0213	EA	18" To 24" Euonymus alatus - Winged Burning Bush	34.95
32 93 33 00-0214	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush	41.19
32 93 33 00-0215	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush	56.25
32 93 33 00-0216	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush	67.43
32 93 33 00-0217	EA	3-1/2' To 4' Euonymus alatus - Winged Burning Bush	84.84
32 93 33 00-0218	EA	4' To 5' Euonymus alatus - Winged Burning Bush	119.79
32 93 33 00-0219	EA	5' To 6' Euonymus alatus - Winged Burning Bush	149.80
32 93 33 00-0220	EA	6' To 8' Euonymus alatus - Winged Burning Bush	174.75
32 93 33 00-0221	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush	34.95
32 93 33 00-0222	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush	39.89
32 93 33 00-0223	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	48.72
32 93 33 00-0224	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush	68.72
32 93 33 00-0225	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	81.20
32 93 33 00-0226	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush	97.32
32 93 33 00-0227	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush	137.33
32 93 33 00-0228	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush	162.27
32 93 33 00-0229	EA	36" Balled and Burlapped, Euonymus atropurpurea - Eastern Wahoo	29.58
32 93 33 00-0230	EA	1 Gallon Euonymus fortunei - Wintercreeper	11.30
32 93 33 00-0231	EA	2 Gallon Euonymus fortunei - Wintercreeper	22.24
32 93 33 00-0232	EA	3 Gallon Euonymus fortunei - Wintercreeper	27.18
32 93 33 00-0233	EA	5 Gallon Euonymus fortunei - Wintercreeper	32.24
32 93 33 00-0234	EA	1 Gallon Euonymus japonicus - Evergreen Spindle	8.64
32 93 33 00-0235	EA	5 Gallon Euonymus japonicus - Evergreen Spindle	21.37
32 93 33 00-0236	EA	15 Gallon Euonymus japonicus - Evergreen Spindle	84.83
32 93 33 00-0237	EA	2' To 3' Forsythia - Korean Forsythia	24.95
32 93 33 00-0238	EA	3' To 4' Forsythia - Korean Forsythia	31.54
32 93 33 00-0239	EA	4' To 5' Forsythia - Korean Forsythia	39.30
32 93 33 00-0240	EA	30" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	25.19
32 93 33 00-0241	EA	36" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	27.93
32 93 33 00-0242	EA	48" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	30.12
32 93 33 00-0243	EA	18" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	26.29
32 93 33 00-0244	EA	24" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	35.05
32 93 33 00-0245	EA	24" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	26.29
32 93 33 00-0246	EA	30" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	30.67
32 93 33 00-0247	EA	36" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	36.15
32 93 33 00-0248	EA	42" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	41.62
32 93 33 00-0249	EA	48" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	48.20
32 93 33 00-0250	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	37.24
32 93 33 00-0251	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	52.03
32 93 33 00-0252	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	54.77
32 93 33 00-0253	EA	15" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	56.96
32 93 33 00-0254	EA	18" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	61.34
32 93 33 00-0255	EA	24" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	74.49
32 93 33 00-0256	EA	24" Balled and Burlapped, Fothergilla major - Large Fothergilla	96.39
32 93 33 00-0257	EA	30" Balled and Burlapped, Fothergilla major - Large Fothergilla	109.54
32 93 33 00-0258	EA	1 Gallon Gardenia jasminoides - Cape Jasmine	8.12
32 93 33 00-0259	EA	3 Gallon Gardenia jasminoides - Cape Jasmine	21.30
32 93 33 00-0260	EA	5 Gallon Gardenia jasminoides - Cape Jasmine	27.18
32 93 33 00-0261	EA	1 Gallon Grevillea 'Noellii' - Noel's Grevillea	8.64
32 93 33 00-0262	EA	5 Gallon Grevillea 'Noellii' - Noel's Grevillea	21.37
32 93 33 00-0263	EA	15 Gallon Grevillea 'Noellii' - Noel's Grevillea	84.83
32 93 33 00-0264	EA	36" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	76.68
32 93 33 00-0265	EA	48" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	124.87
32 93 33 00-0266	EA	60" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	157.74
32 93 33 00-0267	EA	72" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	240.99
32 93 33 00-0268	EA	84" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	273.85
32 93 33 00-0269	EA	1 Gallon Hedychium gartdnerum - Variegated Ginger	4.66
32 93 33 00-0270	EA	3 Gallon Hedychium gartdnerum - Variegated Ginger	16.38
32 93 33 00-0271	EA	5 Gallon Hedychium gartdnerum - Variegated Ginger	31.49
32 93 33 00-0272	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	11.94
32 93 33 00-0273	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	20.16
32 93 33 00-0274	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	30.48
32 93 33 00-0275	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon	31.54
32 93 33 00-0276	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon	26.83
32 93 33 00-0277	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon	36.24
32 93 33 00-0278	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon	52.37
32 93 33 00-0279	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon	72.37
32 93 33 00-0280	EA	2 Gallon Hydrangea - Blue Hydrangea	22.24
32 93 33 00-0281	EA	5 Gallon Hydrangea - Blue Hydrangea	31.30
32 93 33 00-0282	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	34.95
32 93 33 00-0283	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	39.89
32 93 33 00-0284	EA	2 Gallon Hydrangea quercifolia - Oakleaf Hydrangea	22.24
32 93 33 00-0285	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	38.34
32 93 33 00-0286	EA	30" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	41.62
32 93 33 00-0287	EA	36" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	48.20
32 93 33 00-0288	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	50.39
32 93 33 00-0289	EA	18" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	39.43
32 93 33 00-0290	EA	24" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	52.58
32 93 33 00-0291	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	23.00





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0292 EA 5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	27.38	
32 93 33 00-0293 EA 18" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea .....	23.55	
32 93 33 00-0294 EA 24" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea .....	25.19	
32 93 33 00-0295 EA 30" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea .....	28.48	
32 93 33 00-0296 EA 36" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea .....	32.86	
32 93 33 00-0297 EA 48" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea .....	43.82	
32 93 33 00-0298 EA 18" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	31.77	
32 93 33 00-0299 EA 24" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	36.15	
32 93 33 00-0300 EA 30" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	42.72	
32 93 33 00-0301 EA 2 Gallon Hypericum kalmianum - St. John's Wort.....	22.24	
32 93 33 00-0302 EA 3 Gallon Hypericum kalmianun - Kalm St. John's Wort.....	26.29	
32 93 33 00-0303 EA 24" Balled and Burlapped, Hypericum kalmianun - Kalm St. John's Wort.....	28.48	
32 93 33 00-0304 EA 1 Gallon Ilex "Carissa" - Holly.....	11.30	
32 93 33 00-0305 EA 2 Gallon Ilex "Carissa" - Holly.....	22.24	
32 93 33 00-0306 EA 5 Gallon Ilex "Carissa" - Holly.....	31.30	
32 93 33 00-0307 EA 18" To 24" Ilex - Gulf tide Sweet Holly.....	30.01	
32 93 33 00-0308 EA 2' To 2-1/2' Ilex - Gulf tide Sweet Holly.....	38.01	
32 93 33 00-0309 EA 2-1/2' To 3' Ilex - Gulf tide Sweet Holly.....	49.31	
32 93 33 00-0310 EA 3' To 3-1/2' Ilex - Gulf tide Sweet Holly.....	59.90	
32 93 33 00-0311 EA 3 Gallon Ilex cornuta - Dwarf Horned Holly.....	22.42	
32 93 33 00-0312 EA 1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	11.30	
32 93 33 00-0313 EA 2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	22.24	
32 93 33 00-0314 EA 5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	32.24	
32 93 33 00-0315 EA 1 Gallon Ilex crenata - Hellers Japanese Holly.....	11.30	
32 93 33 00-0316 EA 2 Gallon Ilex crenata - Hellers Japanese Holly.....	24.71	
32 93 33 00-0317 EA 3 Gallon Ilex crenata - Hellers Japanese Holly.....	32.24	
32 93 33 00-0318 EA 2 Gallon Ilex crenata - Hetzi Japanese Holly.....	24.71	
32 93 33 00-0319 EA 3 Gallon Ilex crenata - Hetzi Japanese Holly.....	29.77	
32 93 33 00-0320 EA 2' To 3' Ilex crenata - Hetzi Japanese Holly.....	59.90	
32 93 33 00-0321 EA 3' To 4' Ilex crenata - Hetzi Japanese Holly.....	79.90	
32 93 33 00-0322 EA 2' To 3' Ilex opaca - American Holly.....	79.90	
32 93 33 00-0323 EA 3' To 4' Ilex opaca - American Holly.....	132.27	
32 93 33 00-0324 EA 4' To 5' Ilex opaca - American Holly.....	169.69	
32 93 33 00-0325 EA 5' To 6' Ilex opaca - American Holly.....	204.64	
32 93 33 00-0326 EA 6' To 7' Ilex opaca - American Holly.....	287.01	
32 93 33 00-0327 EA 7' To 8' Ilex opaca - American Holly.....	399.39	
32 93 33 00-0328 EA 8' To 10' Ilex opaca - American Holly.....	574.02	
32 93 33 00-0329 EA 10' To 12' Ilex opaca - American Holly.....	873.62	
32 93 33 00-0330 EA 12' To 14' Ilex opaca - American Holly.....	1,060.73	
32 93 33 00-0331 EA 14' To 16' Ilex opaca - American Holly.....	1,310.31	
32 93 33 00-0332 EA 2' To 3' Ilex verticillata - Winterberry (Female).....	79.90	
32 93 33 00-0333 EA 3' To 4' Ilex verticillata - Winterberry (Female).....	104.85	
32 93 33 00-0334 EA 2' To 3' Ilex verticillata - Winterberry (Male).....	64.84	
32 93 33 00-0335 EA 3' To 4' Ilex verticillata - Winterberry (Male).....	89.90	
32 93 33 00-0336 EA 4' To 5' Ilex verticillata - Winterberry (Male).....	104.85	
32 93 33 00-0337 EA 1 Gallon Ilex vomitoria - Yaupon Holly.....	10.59	
32 93 33 00-0338 EA 3 Gallon Ilex vomitoria - Yaupon Holly.....	21.30	
32 93 33 00-0339 EA 10 Gallon Ilex vomitoria - Yaupon Holly.....	74.84	
32 93 33 00-0340 EA 18" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly .....	33.96	
32 93 33 00-0341 EA 24" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly .....	38.34	
32 93 33 00-0342 EA 3 Gallon Ilex meserveae & cvs - Blue Holly.....	43.82	
32 93 33 00-0343 EA 18" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly.....	40.53	
32 93 33 00-0344 EA 24" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly.....	49.29	
32 93 33 00-0345 EA 5 Gallon Ilex verticillata & cvs - Common Winterberry.....	36.15	
32 93 33 00-0346 EA 24" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	36.15	
32 93 33 00-0347 EA 30" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	38.34	
32 93 33 00-0348 EA 36" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	46.01	
32 93 33 00-0349 EA 42" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	51.48	
32 93 33 00-0350 EA 48" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	54.77	
32 93 33 00-0351 EA 60" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	70.11	
32 93 33 00-0352 EA 4' To 5' Ilex x attenuata "Foster" - Holly.....	129.80	
32 93 33 00-0353 EA 5' To 6' Ilex x attenuata "Foster" - Holly.....	172.16	
32 93 33 00-0354 EA 6' To 7' Ilex x attenuata "Foster" - Holly.....	154.04	
32 93 33 00-0355 EA 7' To 8' Ilex x attenuata "Foster" - Holly.....	299.48	
32 93 33 00-0356 EA 1 Gallon Jasimnum - Jasmine.....	2.90	
32 93 33 00-0357 EA 3 Gallon Jasimnum - Jasmine.....	11.34	
32 93 33 00-0358 EA 3 Gallon Jasimnum - Orange Jasmine.....	8.82	
32 93 33 00-0359 EA 4' - 5' Jasimnum - Orange Jasmine.....	100.78	
32 93 33 00-0360 EA 6' - 7' Jasimnum - Orange Jasmine.....	201.55	
32 93 33 00-0361 EA 8' - 10' Jasimnum - Orange Jasmine.....	272.10	
32 93 33 00-0362 EA 3 Gallon Juniperus chinensis cvs - Chinese Juniper.....	38.34	
32 93 33 00-0363 EA 5 Gallon Juniperus chinensis cvs - Chinese Juniper.....	42.72	
32 93 33 00-0364 EA 18" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	56.96	
32 93 33 00-0365 EA 24" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	74.49	
32 93 33 00-0366 EA 30" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	87.63	
32 93 33 00-0367 EA 36" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	118.30	
32 93 33 00-0368 EA 48" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	162.12	
32 93 33 00-0369 EA 1 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	18.27	
32 93 33 00-0370 EA 3 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	38.34	
32 93 33 00-0371 EA 5 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	42.72	
32 93 33 00-0372 EA 15" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	46.01	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 33 00-0373	EA	18" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	50.39
32 93 33 00-0374	EA	24" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	61.34
32 93 33 00-0375	EA	30" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	74.49
32 93 33 00-0376	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	29.58
32 93 33 00-0377	EA	18" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	35.05
32 93 33 00-0378	EA	24" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	48.20
32 93 33 00-0379	EA	30" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	61.34
32 93 33 00-0380	EA	36" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	74.49
32 93 33 00-0381	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	27.38
32 93 33 00-0382	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	32.86
32 93 33 00-0383	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	28.48
32 93 33 00-0384	EA	36" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	54.77
32 93 33 00-0385	EA	48" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	85.44
32 93 33 00-0386	EA	60" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	107.35
32 93 33 00-0387	EA	15" To 18" Kalmia latifolia - Mountain Laurel	44.95
32 93 33 00-0388	EA	18" To 24" Kalmia latifolia - Mountain Laurel	59.90
32 93 33 00-0389	EA	2' To 3' Kalmia latifolia - Mountain Laurel	87.31
32 93 33 00-0390	EA	4' To 5' Kalmia latifolia - Mountain Laurel	159.68
32 93 33 00-0391	EA	5' To 6' Kalmia latifolia - Mountain Laurel	244.65
32 93 33 00-0392	EA	6' To 8' Kalmia latifolia - Mountain Laurel	374.44
32 93 33 00-0393	EA	1 Gallon Kerria japonica - Kerria	10.00
32 93 33 00-0394	EA	5 Gallon Kerria japonica - Kerria	31.30
32 93 33 00-0395	EA	24" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	31.77
32 93 33 00-0396	EA	30" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	36.15
32 93 33 00-0397	EA	36" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	39.43
32 93 33 00-0398	EA	42" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	46.01
32 93 33 00-0399	EA	48" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	52.58
32 93 33 00-0400	EA	60" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	65.72
32 93 33 00-0401	EA	1 Gallon Lagerstroemia indica - Crape Myrtle	7.53
32 93 33 00-0402	EA	5 Gallon Lagerstroemia indica - Crape Myrtle	26.83
32 93 33 00-0403	EA	3' To 4' Lagerstroemia indica - Crape Myrtle	37.42
32 93 33 00-0404	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	54.96
32 93 33 00-0405	EA	5' To 6' Lagerstroemia indica - Crape Myrtle	87.31
32 93 33 00-0406	EA	7' To 8' Lagerstroemia indica - Crape Myrtle	113.37
32 93 33 00-0407	EA	9' To 10' Lagerstroemia indica - Crape Myrtle	151.16
32 93 33 00-0408	EA	11' To 12' Lagerstroemia indica - Crape Myrtle	314.92
32 93 33 00-0409	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe	11.30
32 93 33 00-0410	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe	24.71
32 93 33 00-0411	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe	29.77
32 93 33 00-0412	EA	1 Gallon Ligustrum lucidum - Glossy Privet	6.94
32 93 33 00-0413	EA	5 Gallon Ligustrum lucidum - Glossy Privet	21.30
32 93 33 00-0414	EA	15 Gallon Ligustrum lucidum - Glossy Privet	99.79
32 93 33 00-0415	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet	6.94
32 93 33 00-0416	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet	14.95
32 93 33 00-0417	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet	19.42
32 93 33 00-0418	EA	36" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	32.86
32 93 33 00-0419	EA	48" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	48.20
32 93 33 00-0420	EA	60" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	61.34
32 93 33 00-0421	EA	72" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	70.11
32 93 33 00-0422	EA	5 Gallon Linderia benzoin - Spicebush	36.15
32 93 33 00-0423	EA	36" Balled and Burlapped, Linderia benzoin - Spicebush	30.67
32 93 33 00-0424	EA	48" Balled and Burlapped, Linderia benzoin - Spicebush	37.24
32 93 33 00-0425	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle	59.90
32 93 33 00-0426	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle	72.37
32 93 33 00-0427	EA	30" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	32.86
32 93 33 00-0428	EA	36" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	39.43
32 93 33 00-0429	EA	42" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	43.82
32 93 33 00-0430	EA	48" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	48.20
32 93 33 00-0431	EA	1 Gallon Myrica cerifera - Wax Myrtle	6.30
32 93 33 00-0432	EA	4 Gallon Myrica cerifera - Wax Myrtle	20.16
32 93 33 00-0433	EA	7 Gallon Myrica cerifera - Wax Myrtle	44.09
32 93 33 00-0434	EA	10 Gallon Myrica cerifera - Wax Myrtle	65.50
32 93 33 00-0435	EA	15 Gallon Myrica cerifera - Wax Myrtle	100.78
32 93 33 00-0436	EA	45 Gallon Myrica cerifera - Wax Myrtle	302.33
32 93 33 00-0437	EA	1' - 2' Myrica cerifera - Wax Myrtle	8.82
32 93 33 00-0438	EA	3' - 4' Myrica cerifera - Wax Myrtle	30.23
32 93 33 00-0439	EA	5' - 6' Myrica cerifera - Wax Myrtle	55.43
32 93 33 00-0440	EA	7' - 8' Myrica cerifera - Wax Myrtle	75.58
32 93 33 00-0441	EA	9' - 10' Myrica cerifera - Wax Myrtle	100.78
32 93 33 00-0442	EA	11' - 12' Myrica cerifera - Wax Myrtle	153.68
32 93 33 00-0443	EA	3 Gallon Myrica pensylvanica - Northern Bayberry	32.86
32 93 33 00-0444	EA	24" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	53.67
32 93 33 00-0445	EA	30" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	78.87
32 93 33 00-0446	EA	36" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	94.20
32 93 33 00-0447	EA	48" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	98.59
32 93 33 00-0448	EA	1 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	8.64
32 93 33 00-0449	EA	5 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	21.37
32 93 33 00-0450	EA	15 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	84.83
32 93 33 00-0451	EA	1 Gallon Nandina domestica - Heavenly Bamboo	11.30
32 93 33 00-0452	EA	2 Gallon Nandina domestica - Heavenly Bamboo	24.71
32 93 33 00-0453	EA	5 Gallon Nandina domestica - Heavenly Bamboo	37.42



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0454	EA		15 Gallon Nerium oleander - Oleander.....	92.82	
32 93 33 00-0455	EA		24" Box Nerium oleander - Oleander.....	333.56	
32 93 33 00-0456	EA		1 Gallon Osmanthus fragrans - Fragrant Tea Olive.....	6.94	
32 93 33 00-0457	EA		3 Gallon Osmanthus fragrans - Fragrant Tea Olive.....	18.83	
32 93 33 00-0458	EA		1 Gallon Philadelphus - Evergreen Mockorange.....	9.65	
32 93 33 00-0459	EA		5 Gallon Philadelphus - Evergreen Mockorange.....	31.30	
32 93 33 00-0460	EA		36" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange.....	32.86	
32 93 33 00-0461	EA		42" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange.....	38.34	
32 93 33 00-0462	EA		48" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange.....	43.82	
32 93 33 00-0463	EA		1 Gallon Photinia fraseri - Red-Tipped Photinia.....	8.64	
32 93 33 00-0464	EA		5 Gallon Photinia fraseri - Red-Tipped Photinia.....	21.37	
32 93 33 00-0465	EA		15 Gallon Photinia fraseri - Red-Tipped Photinia.....	84.83	
32 93 33 00-0466	EA		1 Gallon Phormium tenax - New Zealand Flax.....	9.11	
32 93 33 00-0467	EA		5 Gallon Phormium tenax - New Zealand Flax.....	21.84	
32 93 33 00-0468	EA		15 Gallon Phormium tenax - New Zealand Flax.....	92.82	
32 93 33 00-0469	EA		24" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	32.86	
32 93 33 00-0470	EA		30" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	38.34	
32 93 33 00-0471	EA		36" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	43.82	
32 93 33 00-0472	EA		42" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	54.77	
32 93 33 00-0473	EA		48" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	65.72	
32 93 33 00-0474	EA		12" To 15" Spread Pieris - Mountain Andromeda.....	30.24	
32 93 33 00-0475	EA		15" To 18" Spread Pieris - Mountain Andromeda.....	64.84	
32 93 33 00-0476	EA		12" To 15" Pieris japonica - Japanese Andromeda.....	39.30	
32 93 33 00-0477	EA		15" To 18" Pieris japonica - Japanese Andromeda.....	44.95	
32 93 33 00-0478	EA		18" To 24" Pieris japonica - Japanese Andromeda.....	56.25	
32 93 33 00-0479	EA		2' To 2-1/2' Pieris japonica - Japanese Andromeda.....	79.90	
32 93 33 00-0480	EA		2-1/2' To 3' Pieris japonica - Japanese Andromeda.....	94.85	
32 93 33 00-0481	EA		24" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine.....	33.72	
32 93 33 00-0482	EA		30" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine.....	43.16	
32 93 33 00-0483	EA		36" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine.....	51.93	
32 93 33 00-0484	EA		48" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine.....	66.77	
32 93 33 00-0485	EA		60" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine.....	80.26	
32 93 33 00-0486	EA		72" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine.....	117.35	
32 93 33 00-0487	EA		30" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine.....	72.84	
32 93 33 00-0488	EA		36" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine.....	87.68	
32 93 33 00-0489	EA		48" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine.....	116.68	
32 93 33 00-0490	EA		1 Gallon Pittosporum - Pittosporum.....	4.16	
32 93 33 00-0491	EA		3 Gallon Pittosporum - Pittosporum.....	10.71	
32 93 33 00-0492	EA		1 Gallon Pittosporum - Varigated Pittosporum.....	4.16	
32 93 33 00-0493	EA		3 Gallon Pittosporum - Varigated Pittosporum.....	10.71	
32 93 33 00-0494	EA		5 Gallon Pittosporum - Varigated Pittosporum.....	18.77	
32 93 33 00-0495	EA		1 Gallon Pittosporum eugenioides - Lemonwood.....	9.92	
32 93 33 00-0496	EA		5 Gallon Pittosporum eugenioides - Lemonwood.....	23.51	
32 93 33 00-0497	EA		1 Gallon Pittosporum tobira - Japanese Pittosporum.....	8.64	
32 93 33 00-0498	EA		5 Gallon Pittosporum tobira - Japanese Pittosporum.....	21.37	
32 93 33 00-0499	EA		15 Gallon Pittosporum tobira - Japanese Pittosporum.....	84.83	
32 93 33 00-0500	EA		1 Gallon Podocarpus macrophyllus - Yew Podocarpus.....	5.04	
32 93 33 00-0501	EA		3 Gallon Podocarpus macrophyllus - Yew Podocarpus.....	15.12	
32 93 33 00-0502	EA		2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil.....	18.62	
32 93 33 00-0503	EA		5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil.....	26.29	
32 93 33 00-0504	EA		18" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil.....	19.72	
32 93 33 00-0505	EA		24" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil.....	21.91	
32 93 33 00-0506	EA		30" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil.....	31.77	
32 93 33 00-0507	EA		36" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil.....	36.70	
32 93 33 00-0508	EA		1 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	4.64	
32 93 33 00-0509	EA		5 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	11.59	
32 93 33 00-0510	EA		15 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	69.12	
32 93 33 00-0511	EA		15" To 18" Prunus laurocerasus - Cherry Laurel.....	17.68	
32 93 33 00-0512	EA		18" To 24" Prunus laurocerasus - Cherry Laurel.....	21.88	
32 93 33 00-0513	EA		24" To 30" Prunus laurocerasus - Cherry Laurel.....	28.47	
32 93 33 00-0514	EA		15" To 18" Prunus triloba - Double White Flowering Almond.....	15.79	
32 93 33 00-0515	EA		18" To 24" Prunus triloba - Double White Flowering Almond.....	20.21	
32 93 33 00-0516	EA		3' To 4' Prunus triloba - Double White Flowering Almond.....	32.24	
32 93 33 00-0517	EA		4' To 6' Prunus triloba - Double White Flowering Almond.....	64.56	
32 93 33 00-0518	EA		5 Gallon Prunus triloba - Pink Flowering Almond.....	19.42	
32 93 33 00-0519	EA		18" To 24" Prunus triloba - Pink Flowering Almond.....	21.81	
32 93 33 00-0520	EA		2' To 3' Prunus triloba - Pink Flowering Almond.....	25.36	
32 93 33 00-0521	EA		2' To 3' Prunus virginiana - Brilliant Chokeberry.....	17.24	
32 93 33 00-0522	EA		3' To 4' Prunus virginiana - Brilliant Chokeberry.....	21.16	
32 93 33 00-0523	EA		4' To 5' Prunus virginiana - Brilliant Chokeberry.....	25.36	
32 93 33 00-0524	EA		5' To 6' Prunus virginiana - Brilliant Chokeberry.....	29.05	
32 93 33 00-0525	EA		1 Gallon Punica granatum - Dwarf Pomegranate.....	7.41	
32 93 33 00-0526	EA		3 Gallon Punica granatum - Dwarf Pomegranate.....	21.89	
32 93 33 00-0527	EA		7 Gallon Punica granatum - Dwarf Pomegranate.....	44.95	
32 93 33 00-0528	EA		1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	9.41	
32 93 33 00-0529	EA		5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	31.30	
32 93 33 00-0530	EA		5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	64.84	
32 93 33 00-0531	EA		1 Gallon Ralphialepis indica - Indian Hawthorne.....	7.53	
32 93 33 00-0532	EA		2 Gallon Ralphialepis indica - Indian Hawthorne.....	14.36	
32 93 33 00-0533	EA		5 Gallon Ralphialepis indica - Indian Hawthorne.....	25.54	
32 93 33 00-0534	EA		1 Gallon Rhamnus californica - Coffeeberry.....	11.45	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 33 00-0535	EA	5 Gallon Rhamnus californica - Coffeeberry .....	32.74	
32 93 33 00-0536	EA	15 Gallon Rhamnus californica - Coffeeberry .....	98.24	
32 93 33 00-0537	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge.....	57.43	
32 93 33 00-0538	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge.....	78.72	
32 93 33 00-0539	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge.....	102.38	
32 93 33 00-0540	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge.....	187.22	
32 93 33 00-0541	EA	1 Gallon Rhamphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn .....	9.20	
32 93 33 00-0542	EA	5 Gallon Rhamphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn .....	21.84	
32 93 33 00-0543	EA	15 Gallon Rhamphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn .....	92.82	
32 93 33 00-0544	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids .....	12.24	
32 93 33 00-0545	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids .....	24.71	
32 93 33 00-0546	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids .....	32.24	
32 93 33 00-0547	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids .....	37.42	
32 93 33 00-0548	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids .....	43.78	
32 93 33 00-0549	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids .....	54.95	
32 93 33 00-0550	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids.....	79.90	
32 93 33 00-0551	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids.....	112.26	
32 93 33 00-0552	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids .....	13.77	
32 93 33 00-0553	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids .....	24.71	
32 93 33 00-0554	EA	15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	42.48	
32 93 33 00-0555	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	54.95	
32 93 33 00-0556	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	79.90	
32 93 33 00-0557	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	117.32	
32 93 33 00-0558	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	157.21	
32 93 33 00-0559	EA	5 Gallon Rhododendron - Boxleaf Azara .....	31.30	
32 93 33 00-0560	EA	15 Gallon Rhododendron - Boxleaf Azara .....	112.26	
32 93 33 00-0561	EA	15" To 18" Rhododendron - Carolina Rhododendron .....	35.42	
32 93 33 00-0562	EA	18" To 24" Rhododendron - Carolina Rhododendron .....	62.37	
32 93 33 00-0563	EA	24" To 30" Rhododendron - Carolina Rhododendron .....	92.38	
32 93 33 00-0564	EA	2' To 3' Rhododendron - Five-leafed Azalea .....	42.01	
32 93 33 00-0565	EA	3' To 4' Rhododendron - Five-leafed Azalea .....	54.95	
32 93 33 00-0566	EA	4' To 5' Rhododendron - Five-leafed Azalea .....	72.37	
32 93 33 00-0567	EA	15" To 18" Rhododendron - Ghent Azalea.....	42.01	
32 93 33 00-0568	EA	18" To 24" Rhododendron - Ghent Azalea.....	52.37	
32 93 33 00-0569	EA	2' To 3' Rhododendron - Ghent Azalea.....	84.84	
32 93 33 00-0570	EA	3' To 4' Rhododendron - Ghent Azalea.....	117.32	
32 93 33 00-0571	EA	4' To 5' Rhododendron - Ghent Azalea.....	157.21	
32 93 33 00-0572	EA	5' To 6' Rhododendron - Ghent Azalea.....	209.70	
32 93 33 00-0573	EA	1 Gallon Rhododendron - Hybrid Rhododendron.....	13.77	
32 93 33 00-0574	EA	2 Gallon Rhododendron - Hybrid Rhododendron.....	29.77	
32 93 33 00-0575	EA	3 Gallon Rhododendron - Hybrid Rhododendron.....	42.25	
32 93 33 00-0576	EA	5 Gallon Rhododendron - Hybrid Rhododendron.....	47.19	
32 93 33 00-0577	EA	15" To 18" Rhododendron - Hybrid Rhododendron .....	39.89	
32 93 33 00-0578	EA	18" To 24" Rhododendron - Hybrid Rhododendron .....	54.95	
32 93 33 00-0579	EA	24" To 30" Rhododendron - Hybrid Rhododendron .....	74.84	
32 93 33 00-0580	EA	30" To 36" Rhododendron - Hybrid Rhododendron .....	87.32	
32 93 33 00-0581	EA	36" To 42" Rhododendron - Hybrid Rhododendron .....	124.85	
32 93 33 00-0582	EA	42" To 48" Rhododendron - Hybrid Rhododendron .....	154.74	
32 93 33 00-0583	EA	15" To 18" Rhododendron - Pjm Rhododendron.....	44.95	
32 93 33 00-0584	EA	18" To 24" Rhododendron - Pjm Rhododendron.....	54.95	
32 93 33 00-0585	EA	2' To 2-1/2' Rhododendron - Pjm Rhododendron.....	79.90	
32 93 33 00-0586	EA	2-1/2 To 3' Rhododendron - Pjm Rhododendron.....	102.38	
32 93 33 00-0587	EA	3' To 3-1/2' Rhododendron - Pjm Rhododendron.....	124.85	
32 93 33 00-0588	EA	12" To 15" Rhododendron - Torch Azalea .....	34.95	
32 93 33 00-0589	EA	15" To 18" Rhododendron - Torch Azalea .....	42.01	
32 93 33 00-0590	EA	18" To 24" Rhododendron - Torch Azalea .....	52.37	
32 93 33 00-0591	EA	2' To 3' Rhododendron - Torch Azalea .....	87.32	
32 93 33 00-0592	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron.....	39.43	
32 93 33 00-0593	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron.....	48.20	
32 93 33 00-0594	EA	18" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	59.15	
32 93 33 00-0595	EA	24" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	74.49	
32 93 33 00-0596	EA	30" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	87.63	
32 93 33 00-0597	EA	36" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	105.16	
32 93 33 00-0598	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac .....	11.30	
32 93 33 00-0599	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac .....	31.30	
32 93 33 00-0600	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	26.29	
32 93 33 00-0601	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac .....	36.15	
32 93 33 00-0602	EA	18" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac.....	41.62	
32 93 33 00-0603	EA	24" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac.....	54.77	
32 93 33 00-0604	EA	36" Balled and Burlapped, Rhus glabra - Smooth Sumac.....	32.86	
32 93 33 00-0605	EA	48" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac.....	54.77	
32 93 33 00-0606	EA	72" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac.....	87.63	
32 93 33 00-0607	EA	15" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	29.58	
32 93 33 00-0608	EA	18" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	33.96	
32 93 33 00-0609	EA	24" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	49.29	
32 93 33 00-0610	EA	30" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	65.72	
32 93 33 00-0611	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose.....	18.07	
32 93 33 00-0612	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose.....	21.91	
32 93 33 00-0613	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose.....	27.38	
32 93 33 00-0614	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose.....	19.72	
32 93 33 00-0615	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose.....	25.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0616 EA 5 Gallon Sambucus canadensis - American Elder.....	36.15	
32 93 33 00-0617 EA 1 Gallon Santolina chamaecyparissus - Lavender Cotton .....	8.64	
32 93 33 00-0618 EA 5 Gallon Santolina chamaecyparissus - Lavender Cotton .....	21.37	
32 93 33 00-0619 EA 1 Gallon Santolina rosmarinifolia - Green Lavender Cotton.....	8.64	
32 93 33 00-0620 EA 5 Gallon Santolina rosmarinifolia - Green Lavender Cotton.....	21.37	
32 93 33 00-0621 EA 2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca .....	16.24	
32 93 33 00-0622 EA 3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca .....	23.77	
32 93 33 00-0623 EA 1 Gallon Sarcococca humilis - Fragrant Sarcococca .....	8.83	
32 93 33 00-0624 EA 5 Gallon Sarcococca humilis - Fragrant Sarcococca .....	23.07	
32 93 33 00-0625 EA 5 Gallon Senna artemisioides - Feathery Cassia.....	23.87	
32 93 33 00-0626 EA 15 Gallon Senna artemisioides - Feathery Cassia.....	94.97	
32 93 33 00-0627 EA 24" Box Senna artemisioides - Feathery Cassia.....	298.35	
32 93 33 00-0628 EA 1 Gallon Skimmia japonica - Japanese Skimmia.....	11.30	
32 93 33 00-0629 EA 2 Gallon Skimmia japonica - Japanese Skimmia.....	22.48	
32 93 33 00-0630 EA 5 Gallon Skimmia japonica - Japanese Skimmia.....	36.24	
32 93 33 00-0631 EA 1 Gallon Sollya fusiformis - Bluebell Creeper.....	8.64	
32 93 33 00-0632 EA 5 Gallon Sollya fusiformis - Bluebell Creeper.....	21.37	
32 93 33 00-0633 EA 3' To 4' Spiraea - Garland Spirea.....	52.37	
32 93 33 00-0634 EA 4' To 5' Spiraea - Garland Spirea.....	79.90	
32 93 33 00-0635 EA 5 Gallon Spiraea - Snowmound Spirea.....	31.30	
32 93 33 00-0636 EA 18" To 24" Spiraea - Snowmound Spirea .....	25.65	
32 93 33 00-0637 EA 2' To 3' Spiraea - Snowmound Spirea .....	36.24	
32 93 33 00-0638 EA 3' To 4' Spiraea - Snowmound Spirea .....	42.01	
32 93 33 00-0639 EA 4' To 5' Spiraea - Snowmound Spirea .....	72.37	
32 93 33 00-0640 EA 1 Gallon Spiraea japonica & cvs - Japanese Spirea.....	11.30	
32 93 33 00-0641 EA 2 Gallon Spiraea japonica & cvs - Japanese Spirea.....	22.24	
32 93 33 00-0642 EA 3 Gallon Spiraea japonica & cvs - Japanese Spirea.....	25.74	
32 93 33 00-0643 EA 5 Gallon Spiraea japonica & cvs - Japanese Spirea.....	27.93	
32 93 33 00-0644 EA 18" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea.....	28.48	
32 93 33 00-0645 EA 24" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea.....	32.86	
32 93 33 00-0646 EA 30" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea.....	37.24	
32 93 33 00-0647 EA 36" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea.....	43.27	
32 93 33 00-0648 EA 2 Gallon Spiraea nipponica & cvs - Nippon Spirea.....	17.53	
32 93 33 00-0649 EA 5 Gallon Spiraea nipponica & cvs - Nippon Spirea.....	26.29	
32 93 33 00-0650 EA 18" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea.....	24.10	
32 93 33 00-0651 EA 24" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea.....	28.48	
32 93 33 00-0652 EA 30" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea.....	32.86	
32 93 33 00-0653 EA 36" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea.....	37.24	
32 93 33 00-0654 EA 48" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea.....	48.20	
32 93 33 00-0655 EA 1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea.....	11.30	
32 93 33 00-0656 EA 2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea.....	20.26	
32 93 33 00-0657 EA 4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea.....	26.29	
32 93 33 00-0658 EA 18" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea.....	23.00	
32 93 33 00-0659 EA 24" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea.....	27.93	
32 93 33 00-0660 EA 30" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea.....	32.86	
32 93 33 00-0661 EA 36" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea.....	37.24	
32 93 33 00-0662 EA 5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea.....	26.29	
32 93 33 00-0663 EA 18" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea.....	26.29	
32 93 33 00-0664 EA 24" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea.....	30.67	
32 93 33 00-0665 EA 30" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea.....	41.62	
32 93 33 00-0666 EA 36" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea.....	48.20	
32 93 33 00-0667 EA 42" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea.....	56.96	
32 93 33 00-0668 EA 5 Gallon Staphylea trifolia - Bladdernut .....	36.98	
32 93 33 00-0669 EA 2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanandra.....	26.29	
32 93 33 00-0670 EA 5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanandra.....	28.48	
32 93 33 00-0671 EA 24" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanandra.....	32.86	
32 93 33 00-0672 EA 30" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanandra.....	39.43	
32 93 33 00-0673 EA 2 Gallon Symphoricarpos albus - Common Snowberry .....	27.38	
32 93 33 00-0674 EA 5 Gallon Symphoricarpos albus - Common Snowberry.....	29.03	
32 93 33 00-0675 EA 24" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac.....	48.20	
32 93 33 00-0676 EA 30" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac.....	60.25	
32 93 33 00-0677 EA 36" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac.....	70.11	
32 93 33 00-0678 EA 42" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac.....	81.06	
32 93 33 00-0679 EA 18" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	48.20	
32 93 33 00-0680 EA 24" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	52.58	
32 93 33 00-0681 EA 30" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	60.25	
32 93 33 00-0682 EA 36" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	70.11	
32 93 33 00-0683 EA 42" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	81.06	
32 93 33 00-0684 EA 60" Balled and Burlapped, Syringa villosa & cvs - Late Lilac.....	38.34	
32 93 33 00-0685 EA 72" Balled and Burlapped, Syringa villosa & cvs - Late Lilac.....	41.62	
32 93 33 00-0686 EA 36" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	32.86	
32 93 33 00-0687 EA 42" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	37.24	
32 93 33 00-0688 EA 48" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	41.62	
32 93 33 00-0689 EA 60" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	48.20	
32 93 33 00-0690 EA 72" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	59.15	
32 93 33 00-0691 EA 5 Gallon Syringa x chinensis & cvs - Chinese Lilac.....	27.38	
32 93 33 00-0692 EA 36" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac.....	31.77	
32 93 33 00-0693 EA 48" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac.....	41.62	
32 93 33 00-0694 EA 48" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew.....	174.17	
32 93 33 00-0695 EA 54" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew.....	194.98	
32 93 33 00-0696 EA 60" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew.....	214.70	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 33 00-0697	EA	72" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew .....	258.51	
32 93 33 00-0698	EA	18" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew .....	46.01	
32 93 33 00-0699	EA	24" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew .....	60.25	
32 93 33 00-0700	EA	30" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew .....	70.11	
32 93 33 00-0701	EA	36" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew .....	76.68	
32 93 33 00-0702	EA	15" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew .....	46.01	
32 93 33 00-0703	EA	18" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew .....	60.25	
32 93 33 00-0704	EA	24" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew .....	71.20	
32 93 33 00-0705	EA	30" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew .....	84.35	
32 93 33 00-0706	EA	36" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew .....	127.07	
32 93 33 00-0707	EA	36" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae .....	70.11	
32 93 33 00-0708	EA	48" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae .....	94.20	
32 93 33 00-0709	EA	60" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae .....	142.40	
32 93 33 00-0710	EA	72" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae .....	208.12	
32 93 33 00-0711	EA	84" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae .....	238.80	
32 93 33 00-0712	EA	96" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae .....	277.13	
32 93 33 00-0713	EA	15" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae .....	30.67	
32 93 33 00-0714	EA	18" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae .....	42.72	
32 93 33 00-0715	EA	24" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae .....	60.25	
32 93 33 00-0716	EA	3' To 4' Viburnum dilatatum - Linden Viburnum .....	52.37	
32 93 33 00-0717	EA	4' To 5' Viburnum dilatatum - Linden Viburnum .....	79.90	
32 93 33 00-0718	EA	5' To 6' Viburnum dilatatum - Linden Viburnum .....	104.85	
32 93 33 00-0719	EA	1 Gallon Viburnum japonicum - Japanese Viburnum .....	6.35	
32 93 33 00-0720	EA	3 Gallon Viburnum japonicum - Japanese Viburnum .....	17.42	
32 93 33 00-0721	EA	5 Gallon Viburnum plicatum - Japanese Snowball .....	31.30	
32 93 33 00-0722	EA	5' To 6' Viburnum plicatum - Japanese Snowball .....	117.32	
32 93 33 00-0723	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum .....	54.96	
32 93 33 00-0724	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum .....	64.84	
32 93 33 00-0725	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum .....	91.20	
32 93 33 00-0726	EA	30" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum .....	60.25	
32 93 33 00-0727	EA	36" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum .....	72.30	
32 93 33 00-0728	EA	24" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum .....	54.77	
32 93 33 00-0729	EA	30" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum .....	65.72	
32 93 33 00-0730	EA	36" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum .....	76.68	
32 93 33 00-0731	EA	42" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum .....	87.63	
32 93 33 00-0732	EA	1 Gallon Viburnum davidii - David Viburnum .....	8.64	
32 93 33 00-0733	EA	5 Gallon Viburnum davidii - David Viburnum .....	21.37	
32 93 33 00-0734	EA	36" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum .....	30.67	
32 93 33 00-0735	EA	42" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum .....	32.86	
32 93 33 00-0736	EA	48" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum .....	38.34	
32 93 33 00-0737	EA	60" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum .....	43.82	
32 93 33 00-0738	EA	72" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum .....	48.20	
32 93 33 00-0739	EA	30" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum .....	29.58	
32 93 33 00-0740	EA	36" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum .....	32.86	
32 93 33 00-0741	EA	42" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum .....	41.62	
32 93 33 00-0742	EA	48" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum .....	48.20	
32 93 33 00-0743	EA	60" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum .....	65.72	
32 93 33 00-0744	EA	72" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum .....	78.87	
32 93 33 00-0745	EA	36" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum .....	32.86	
32 93 33 00-0746	EA	48" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum .....	43.82	
32 93 33 00-0747	EA	5' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum .....	54.77	
32 93 33 00-0748	EA	6' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum .....	76.68	
32 93 33 00-0749	EA	7' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum .....	109.54	
32 93 33 00-0750	EA	8' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum .....	153.35	
32 93 33 00-0751	EA	9' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum .....	197.17	
32 93 33 00-0752	EA	30" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum .....	39.43	
32 93 33 00-0753	EA	36" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum .....	43.82	
32 93 33 00-0754	EA	36" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum .....	78.87	
32 93 33 00-0755	EA	48" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum .....	120.49	
32 93 33 00-0756	EA	60" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum .....	153.35	
32 93 33 00-0757	EA	72" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum .....	186.22	
32 93 33 00-0758	EA	84" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum .....	230.03	
32 93 33 00-0759	EA	96" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum .....	273.85	
32 93 33 00-0760	EA	108" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum .....	328.62	
32 93 33 00-0761	EA	120" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum .....	383.39	
32 93 33 00-0762	EA	30" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum .....	33.41	
32 93 33 00-0763	EA	36" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum .....	36.70	
32 93 33 00-0764	EA	48" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum .....	41.62	
32 93 33 00-0765	EA	60" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum .....	48.20	
32 93 33 00-0766	EA	72" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum .....	55.32	
32 93 33 00-0767	EA	18" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum .....	31.77	
32 93 33 00-0768	EA	24" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum .....	38.34	
32 93 33 00-0769	EA	30" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum .....	46.01	
32 93 33 00-0770	EA	36" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum .....	52.58	
32 93 33 00-0771	EA	42" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum .....	63.53	
32 93 33 00-0772	EA	48" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum .....	70.11	
32 93 33 00-0773	EA	30" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum .....	54.77	
32 93 33 00-0774	EA	36" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum .....	65.72	
32 93 33 00-0775	EA	42" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum .....	76.68	
32 93 33 00-0776	EA	48" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum .....	87.63	
32 93 33 00-0777	EA	60" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum .....	98.59	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0778	EA		30" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum.....	70.11	
32 93 33 00-0779	EA		36" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum.....	78.87	
32 93 33 00-0780	EA		42" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum.....	89.82	
32 93 33 00-0781	EA		48" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum.....	102.97	
32 93 33 00-0782	EA		2' To 3' Viburnum opulus "Roseum" - Fragrant Snowball.....	64.84	
32 93 33 00-0783	EA		3' To 4' Viburnum opulus "Roseum" - Fragrant Snowball.....	79.90	
32 93 33 00-0784	EA		4' To 5' Viburnum opulus "Roseum" - Fragrant Snowball.....	117.32	
32 93 33 00-0785	EA		5 Gallon Weigela florida & cvs - Old Fashioned Weigela.....	36.15	
32 93 33 00-0786	EA		24" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....	32.86	
32 93 33 00-0787	EA		30" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....	37.24	
32 93 33 00-0788	EA		36" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....	41.62	
32 93 33 00-0789	EA		42" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....	48.20	
32 93 33 00-0790	EA		48" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....	54.77	
32 93 33 00-0791	EA		1 Gallon Xylosma congestum - Shiny Xylosma.....	7.53	
32 93 33 00-0792	EA		5 Gallon Xylosma congestum - Shiny Xylosma.....	21.30	
32 93 33 00-0793	EA		15 Gallon Xylosma congestum - Shiny Xylosma.....	93.67	
32 93 33 00-0794	EA		1 Gallon Yucca aloifolia - Spanish Bayonet.....	6.35	
32 93 33 00-0795	EA		3 Gallon Yucca aloifolia - Spanish Bayonet.....	16.83	
32 93 33 00-0796	EA		1 Gallon Yucca filamentosa - Adams Needle.....	8.83	
32 93 33 00-0797	EA		3 Gallon Yucca filamentosa - Adams Needle.....	17.18	
32 93 33 00-0798	EA		5 Gallon Yucca filamentosa - Adams Needle.....	27.18	
32 93 33 00-0799	EA		5 Gallon Border Forsythia - Goldenbells.....	30.24	
32 93 33 00-0800	EA		2' To 3' Border Forsythia - Goldenbells.....	24.95	
32 93 33 00-0801	EA		3' To 4' Border Forsythia - Goldenbells.....	31.54	
32 93 33 00-0802	EA		4' To 5' Border Forsythia - Goldenbells.....	39.30	
32 93 33 00-0803	EA		5' To 6' Border Forsythia - Goldenbells.....	47.19	
32 93 33 00-0804	EA		6' To 8' Border Forsythia - Goldenbells.....	64.84	
32 93 33 00-0805	EA		3' Juniperus chinensis - Columnar Chinese Juniper.....	64.24	
32 93 33 00-0806	EA		4' Juniperus chinensis - Columnar Chinese Juniper.....	88.18	
32 93 33 00-0807	EA		5' Juniperus chinensis - Columnar Chinese Juniper.....	138.57	
32 93 33 00-0808	EA		6' Juniperus chinensis - Columnar Chinese Juniper.....	161.24	
32 93 33 00-0809	EA		7' Juniperus chinensis - Columnar Chinese Juniper.....	211.63	
32 93 33 00-0810	EA		2 Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	12.60	
32 93 33 00-0811	EA		3 Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	17.64	
32 93 33 00-0812	EA		5 Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	42.70	
32 93 33 00-0813	EA		2 Gallon Chrysobalanus icaco - Cocoplum Green Tip.....	12.60	
32 93 33 00-0814	EA		3 Gallon Chrysobalanus icaco - Cocoplum Green Tip.....	17.64	
32 93 33 00-0815	EA		Beile Poitvine Roses.....	50.39	
32 93 33 00-0816	EA		3 Gallon Bird Of Paradise.....	22.67	
32 93 33 00-0817	EA		5 Gallon Bird Of Paradise.....	35.27	
32 93 33 00-0818	EA		7 Gallon Bird Of Paradise.....	47.87	
32 93 33 00-0819	EA		10 Gallon Bird Of Paradise.....	95.74	
32 93 33 00-0820	EA		18" Bonica Roses.....	57.95	
32 93 33 00-0821	EA		1 Gallon Burmese Grape.....	10.08	
32 93 33 00-0822	EA		5 Gallon Burmese Grape.....	27.71	
32 93 33 00-0823	EA		15 Gallon Burmese Grape.....	103.30	
32 93 33 00-0824	EA		6" To 9" Canby Paxistima.....	20.16	
32 93 33 00-0825	EA		9" To 12" Canby Paxistima.....	25.19	
32 93 33 00-0826	EA		12" To 15" Canby Paxistima.....	32.75	
32 93 33 00-0827	EA		5 Gallon Chastetree.....	35.27	
32 93 33 00-0828	EA		3' Chinese Lilac.....	50.39	
32 93 33 00-0829	EA		4' Chinese Lilac.....	62.98	
32 93 33 00-0830	EA		5' Chinese Lilac.....	85.66	
32 93 33 00-0831	EA		1 Gallon Christmas Berry.....	12.60	
32 93 33 00-0832	EA		2 Gallon Christmas Berry.....	27.71	
32 93 33 00-0833	EA		5 Gallon Christmas Berry.....	40.31	
32 93 33 00-0834	EA		15 Gallon Christmas Berry.....	186.44	
32 93 33 00-0835	EA		1 Gallon Concha Wild Lilac.....	10.08	
32 93 33 00-0836	EA		5 Gallon Concha Wild Lilac.....	25.19	
32 93 33 00-0837	EA		1 Gallon Flower Carpet Roses.....	25.19	
32 93 33 00-0838	EA		3 Gallon Flower Carpet Roses.....	47.87	
32 93 33 00-0839	EA		Goldfinger Potentillas.....	40.31	
32 93 33 00-0840	EA		Green Mound Alpine Currents.....	50.39	
32 93 33 00-0841	EA		24" Gro-Low Sumacs.....	50.39	
32 93 33 00-0842	EA		3 Gallon Heliconia.....	22.67	
32 93 33 00-0843	EA		1' Ibolium Private.....	2.52	
32 93 33 00-0844	EA		2' Ibolium Private.....	10.08	
32 93 33 00-0845	EA		3' Ibolium Private.....	17.64	
32 93 33 00-0846	EA		5 Gallon Japanese Privit.....	27.71	
32 93 33 00-0847	EA		24" Spirea - Little Princess.....	52.91	
32 93 33 00-0848	EA		2' Longstalk Holly.....	50.39	
32 93 33 00-0849	EA		2-1/2' Longstalk Holly.....	68.02	
32 93 33 00-0850	EA		3' Longstalk Holly.....	85.66	
32 93 33 00-0851	EA		3-1/2' Longstalk Holly.....	95.74	
32 93 33 00-0852	EA		3 Gallon Low Dense Pyracantha.....	25.19	
32 93 33 00-0853	EA		1 Gallon Pacific Wax Myrtle.....	7.56	
32 93 33 00-0854	EA		5 Gallon Pacific Wax Myrtle.....	25.19	
32 93 33 00-0855	EA		1 Gallon Red Escallonia.....	7.56	
32 93 33 00-0856	EA		5 Gallon Red Escallonia.....	25.19	
32 93 33 00-0857	EA		15 Gallon Red Escallonia.....	103.30	
32 93 33 00-0858	EA		24" Smooth Hydrangeas.....	60.47	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 33 00-0859	EA	15" To 18" Somerset Burkwood Daphne .....	40.31	
32 93 33 00-0860	EA	18" To 24" Somerset Burkwood Daphne .....	52.91	
32 93 33 00-0861	EA	1 Gallon Spring Bouquet Laurustinis.....	7.56	
32 93 33 00-0862	EA	5 Gallon Spring Bouquet Laurustinis.....	27.71	
32 93 33 00-0863	EA	15" To 18" Summersweet .....	30.23	
32 93 33 00-0864	EA	18" To 24" Summersweet .....	35.27	
32 93 33 00-0865	EA	2' Sweet Shrubs .....	40.31	
32 93 33 00-0866	EA	3' Sweet Shrubs .....	52.91	
32 93 33 00-0867	EA	1 Gallon Variegated Silverberry .....	7.56	
32 93 33 00-0868	EA	3 Gallon Variegated Silverberry .....	17.64	
32 93 33 00-0869	EA	15 Gallon Variegated Silverberry .....	103.30	
32 93 33 00-0870	EA	1 Gallon Variegated Winter Daphne .....	12.60	
32 93 33 00-0871	EA	5 Gallon Variegated Winter Daphne .....	40.31	
32 93 33 00-0872	EA	15 Gallon Variegated Winter Daphne .....	186.44	
32 93 33 00-0873	EA	2' To 3' Virginia Sweetspire.....	88.18	
32 93 33 00-0874	EA	1 Gallon Warminster Broom.....	12.60	
32 93 33 00-0875	EA	2 Gallon Warminster Broom.....	25.19	
32 93 33 00-0876	EA	5 Gallon Warminster Broom.....	35.27	

**32 93 43 Trees (32 93)**

Note: (cvs = cultivar) materials only. See CSI section 32 93 83 00-0001 for installation and planting of trees.

**32 93 43 00-0001 Deciduous Ornamental Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple .....	410.25	
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple .....	501.42	
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple .....	569.79	
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple .....	660.96	
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple .....	752.13	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple .....	888.88	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple .....	215.93	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple .....	1,458.67	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple .....	1,823.34	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple .....	364.67	
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus californica - California Buckeye.....	911.67	
32 93 43 00-0013	EA	2" Caliper Aesculus californica - California Buckeye.....	1,185.17	
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus californica - California Buckeye.....	1,367.50	
32 93 43 00-0015	EA	3" Caliper Aesculus californica - California Buckeye.....	1,549.84	
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus californica - California Buckeye.....	1,823.34	
32 93 43 00-0017	EA	36" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry.....	87.63	
32 93 43 00-0018	EA	48" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry.....	109.54	
32 93 43 00-0019	EA	60" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry.....	135.83	
32 93 43 00-0020	EA	60" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry .....	109.54	
32 93 43 00-0021	EA	72" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry .....	131.45	
32 93 43 00-0022	EA	7' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry .....	153.35	
32 93 43 00-0023	EA	8' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry .....	175.26	
32 93 43 00-0024	EA	5' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry .....	197.17	
32 93 43 00-0025	EA	6' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry .....	219.08	
32 93 43 00-0026	EA	7' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry .....	251.94	
32 93 43 00-0027	EA	8' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry .....	284.80	
32 93 43 00-0028	EA	9' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry .....	328.62	
32 93 43 00-0029	EA	7' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry .....	251.94	
32 93 43 00-0030	EA	8' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry .....	295.76	
32 93 43 00-0031	EA	9' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry .....	339.57	
32 93 43 00-0032	EA	10' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry .....	372.43	
32 93 43 00-0033	EA	30" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry.....	87.63	
32 93 43 00-0034	EA	48" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry.....	186.22	
32 93 43 00-0035	EA	60" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry.....	240.99	
32 93 43 00-0036	EA	2' To 4' Amelemchier - Juneberry .....	26.67	
32 93 43 00-0037	EA	4' To 5' Amelemchier - Juneberry .....	27.98	
32 93 43 00-0038	EA	5' To 6' Amelemchier - Juneberry .....	33.32	
32 93 43 00-0039	EA	6' To 8' Amelemchier - Juneberry .....	39.75	
32 93 43 00-0040	EA	6' Cercis occidentalis - Western Redbud .....	255.29	
32 93 43 00-0041	EA	8' Cercis occidentalis - Western Redbud .....	351.22	
32 93 43 00-0042	EA	2-1/2" Caliper Cercis occidentalis - Western Redbud .....	723.41	
32 93 43 00-0043	EA	3" Caliper Cercis occidentalis - Western Redbud .....	880.67	
32 93 43 00-0044	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia.....	86.39	
32 93 43 00-0045	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia.....	129.58	
32 93 43 00-0046	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia.....	161.98	
32 93 43 00-0047	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia.....	201.74	
32 93 43 00-0048	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia .....	341.88	
32 93 43 00-0049	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia .....	455.83	
32 93 43 00-0050	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia .....	592.59	
32 93 43 00-0051	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia .....	660.96	
32 93 43 00-0052	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia .....	797.71	
32 93 43 00-0053	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia .....	888.88	
32 93 43 00-0054	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia .....	341.88	
32 93 43 00-0055	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia .....	455.83	
32 93 43 00-0056	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia .....	592.59	
32 93 43 00-0057	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia .....	660.96	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0058	EA	8'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	797.71	
32 93 43 00-0059	EA	9'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	888.88	
32 93 43 00-0060	EA	1	Gallon Platanus racemosa, Multi Trunk - Western Sycamore.....	5.16	
32 93 43 00-0061	EA	5	Gallon Platanus racemosa, Multi Trunk - Western Sycamore.....	21.84	
32 93 43 00-0062	EA	20	Gallon Prunus subhirtella - Flowering Cherry.....	360.51	
32 93 43 00-0063	EA	1-1/2"	To 2" Caliper Prunus subhirtella - Flowering Cherry.....	372.66	
32 93 43 00-0064	EA	2"	To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry.....	465.78	
32 93 43 00-0065	EA	3-1/2"	To 4" Caliper Prunus subhirtella - Flowering Cherry.....	972.04	
32 93 43 00-0066	EA	3"	To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry.....	749.17	
32 93 43 00-0067	EA	4"	To 5" Caliper Prunus subhirtella - Flowering Cherry.....	1,458.06	
32 93 43 00-0068	EA	5	Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	93.12	
32 93 43 00-0069	EA	15	Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	255.06	
32 93 43 00-0070	EA	20	Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	332.18	
32 93 43 00-0071	EA	5'	To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	105.26	
32 93 43 00-0072	EA	6'	To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	202.43	
32 93 43 00-0073	EA	1-1/2"	To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	372.66	
32 93 43 00-0074	EA	2"	To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	445.53	
32 93 43 00-0075	EA	1-1/2"	To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry.....	291.69	
32 93 43 00-0076	EA	1-1/4"	To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry.....	242.91	
32 93 43 00-0077	EA	1-3/4"	To 2" Caliper Prunus subhirtella - Weeping Cherry.....	356.27	
32 93 43 00-0078	EA	2"	To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry.....	425.29	
32 93 43 00-0079	EA	2-1/2"	To 3" Caliper Prunus subhirtella - Weeping Cherry.....	546.75	
32 93 43 00-0080	EA	15	Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	281.47	
32 93 43 00-0081	EA	20	Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	351.84	
32 93 43 00-0082	EA	1-1/2"	To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	365.91	
32 93 43 00-0083	EA	2"	To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	436.28	
32 93 43 00-0084	EA	2-1/2"	To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	591.09	
32 93 43 00-0085	EA	3"	To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	774.05	
32 93 43 00-0086	EA	3-1/2"	To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	985.15	
32 93 43 00-0087	EA	15	Gallon Pyrus Calleryana x "Bradford" - Flowering Pear.....	281.47	
32 93 43 00-0088	EA	20	Gallon Pyrus Calleryana x "Bradford" - Flowering Pear.....	351.84	
32 93 43 00-0089	EA	1-1/2"	To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	239.25	
32 93 43 00-0090	EA	2"	To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	365.91	
32 93 43 00-0091	EA	2-1/2"	To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	435.90	
32 93 43 00-0092	EA	3"	To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	591.09	
32 93 43 00-0093	EA	3-1/2"	To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	774.05	
32 93 43 00-0094	EA	1-1/2"	Caliper Pyrus calleryana & cvs - Callery Pear.....	512.71	
32 93 43 00-0095	EA	2"	Caliper Pyrus calleryana & cvs - Callery Pear.....	640.89	
32 93 43 00-0096	EA	2-1/2"	Caliper Pyrus calleryana & cvs - Callery Pear.....	794.71	
32 93 43 00-0097	EA	3"	Caliper Pyrus calleryana & cvs - Callery Pear.....	897.25	
32 93 43 00-0098	EA	3-1/2"	Caliper Pyrus calleryana & cvs - Callery Pear.....	999.79	
32 93 43 00-0099	EA	4"	Caliper Pyrus calleryana & cvs - Callery Pear.....	1,281.78	
32 93 43 00-0100	EA	1	Gallon Ribes aureum - Golden Currant.....	4.51	
32 93 43 00-0101	EA	5	Gallon Ribes aureum - Golden Currant.....	12.91	
32 93 43 00-0102	EA	1	Gallon Ribes sanguineum - Red Flowering Currant.....	4.51	
32 93 43 00-0103	EA	5	Gallon Ribes sanguineum - Red Flowering Currant.....	12.91	
32 93 43 00-0104	EA	1	Gallon Ribes viburnifolium - Evergreen Currant.....	4.51	
32 93 43 00-0105	EA	5	Gallon Ribes viburnifolium - Evergreen Currant.....	12.91	
32 93 43 00-0106	EA	8'	Cassia leptophylla - Gold Medallion Tree.....	362.19	
32 93 43 00-0107	EA	10'	Cassia leptophylla - Gold Medallion Tree.....	459.71	
32 93 43 00-0108	EA	12'	Cassia leptophylla - Gold Medallion Tree.....	557.22	
32 93 43 00-0109	EA	6'	Magnolia grandiflora 'St. Mary's'.....	417.92	
32 93 43 00-0110	EA	8'	Magnolia grandiflora 'St. Mary's'.....	738.32	
32 93 43 00-0111	EA	10'	Magnolia grandiflora 'St. Mary's'.....	927.77	
32 93 43 00-0112	EA	12'	Magnolia grandiflora 'St. Mary's'.....	1,114.44	
32 93 43 00-0113	EA	14'	Magnolia grandiflora 'St. Mary's'.....	1,295.54	
32 93 43 00-0114	EA	16'	Magnolia grandiflora 'St. Mary's'.....	1,532.36	
32 93 43 00-0115	EA	24"	Box Magnolia grandiflora 'St. Mary's'.....	459.71	
32 93 43 00-0116	EA	6'	Prunus cerasifera - Purple Leaf Plum.....	217.32	
32 93 43 00-0117	EA	8'	Prunus cerasifera - Purple Leaf Plum.....	250.75	
32 93 43 00-0118	EA	10'	Prunus cerasifera - Purple Leaf Plum.....	323.19	
32 93 43 00-0119	EA	24"	Box Prunus cerasifera - Purple Leaf Plum.....	344.08	
32 93 43 00-0120	EA	30"	Box Prunus cerasifera - Purple Leaf Plum.....	696.52	
32 93 43 00-0121	EA	36"	Box Prunus cerasifera - Purple Leaf Plum.....	1,068.47	
32 93 43 00-0122	EA	6'	Pittosporum phylliraeoides - Willow Pittosporum.....	454.13	
32 93 43 00-0123	EA	8'	Pittosporum phylliraeoides - Willow Pittosporum.....	649.16	
32 93 43 00-0124	EA	10'	Pittosporum phylliraeoides - Willow Pittosporum.....	777.32	
32 93 43 00-0125	EA	12'	Pittosporum phylliraeoides - Willow Pittosporum.....	1,003.00	
32 93 43 00-0126	EA	6'	Stenocarpus sinuatus - Firewheel Tree.....	668.66	
32 93 43 00-0127	EA	8'	Stenocarpus sinuatus - Firewheel Tree.....	891.55	
32 93 43 00-0128	EA	10'	Stenocarpus sinuatus - Firewheel Tree.....	1,114.44	
32 93 43 00-0129	EA	12'	Stenocarpus sinuatus - Firewheel Tree.....	1,337.33	
32 93 43 00-0130	EA	24"	Box Handroanthus impetiginosus (Tabebuia avellanadae) - Pink Trumpet Tree.....	319.26	
32 93 43 00-0131	EA	36"	Box Handroanthus impetiginosus (Tabebuia avellanadae) - Pink Trumpet Tree.....	924.16	
32 93 43 00-0132	EA	1-1/2"	Caliper Arbutus menziesii - Madrona.....	484.54	
32 93 43 00-0133	EA	2"	Caliper Arbutus menziesii - Madrona.....	629.90	
32 93 43 00-0134	EA	2-1/2"	Caliper Arbutus menziesii - Madrona.....	726.81	
32 93 43 00-0135	EA	3"	Caliper Arbutus menziesii - Madrona.....	823.72	
32 93 43 00-0136	EA	3-1/2"	Caliper Arbutus menziesii - Madrona.....	969.08	
32 93 43 00-0137	EA	1-1/2"	Caliper Koelreuteria bipinnata - Chinese Flame Tree.....	334.33	
32 93 43 00-0138	EA	2"	Caliper Koelreuteria bipinnata - Chinese Flame Tree.....	543.29	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-0139	EA	2-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	668.66	
32 93 43 00-0140	EA	3" Caliper Koelreuteria bipinnata - Chinese Flame Tree	738.32	
32 93 43 00-0141	EA	24" Box Koelreuteria bipinnata - Chinese Flame Tree	325.97	
32 93 43 00-0142	EA	30" Box Koelreuteria bipinnata - Chinese Flame Tree	752.25	
32 93 43 00-0143	EA	36" Box Koelreuteria bipinnata - Chinese Flame Tree	1,177.13	
32 93 43 00-0144	EA	1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	303.68	
32 93 43 00-0145	EA	2" Cliber Koelreuteria paniculata - Golden Rain Tree	493.14	
32 93 43 00-0146	EA	2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	604.58	
32 93 43 00-0147	EA	3" Cliber Koelreuteria paniculata - Golden Rain Tree	682.59	
32 93 43 00-0148	EA	6' Magnolia grandiflora - Southern Magnolia	206.17	
32 93 43 00-0149	EA	7' Magnolia grandiflora - Southern Magnolia	312.04	
32 93 43 00-0150	EA	8' Magnolia grandiflora - Southern Magnolia	437.42	
32 93 43 00-0151	EA	9' Magnolia grandiflora - Southern Magnolia	582.29	
32 93 43 00-0152	EA	10' Magnolia grandiflora - Southern Magnolia	885.98	
32 93 43 00-0153	EA	24" Box Magnolia grandiflora - Southern Magnolia	362.19	
32 93 43 00-0154	EA	1-1/2" Caliper Tipuana tipu - Tipu Tree	431.85	
32 93 43 00-0155	EA	2" Caliper Tipuana tipu - Tipu Tree	562.79	
32 93 43 00-0156	EA	2-1/2" Caliper Tipuana tipu - Tipu Tree	713.24	
32 93 43 00-0157	EA	3" Caliper Tipuana tipu - Tipu Tree	821.90	
32 93 43 00-0158	EA	3-1/2" Caliper Tipuana tipu - Tipu Tree	1,209.17	
32 93 43 00-0159	EA	4" Caliper Tipuana tipu - Tipu Tree	1,615.94	
32 93 43 00-0160	EA	24" Box Tipuana tipu - Tipu Tree	325.97	
32 93 43 00-0161	EA	6' Albizia julibrissin - Silk Tree	668.66	
32 93 43 00-0162	EA	8' Albizia julibrissin - Silk Tree	891.55	
32 93 43 00-0163	EA	10' Albizia julibrissin - Silk Tree	1,114.44	
32 93 43 00-0164	EA	12' Albizia julibrissin - Silk Tree	1,337.33	
32 93 43 00-0165	EA	6' Brachychiton acerifolius - Flame Tree	668.66	
32 93 43 00-0166	EA	8' Brachychiton acerifolius - Flame Tree	891.55	
32 93 43 00-0167	EA	10' Brachychiton acerifolius - Flame Tree	1,114.44	
32 93 43 00-0168	EA	12' Brachychiton acerifolius - Flame Tree	1,337.33	
32 93 43 00-0169	EA	1-1/2" Caliper Chilopsis linearis - Desert Willow	540.50	
32 93 43 00-0170	EA	2" Caliper Chilopsis linearis - Desert Willow	649.16	
32 93 43 00-0171	EA	2-1/2" Caliper Chilopsis linearis - Desert Willow	690.95	
32 93 43 00-0172	EA	3" Caliper Chilopsis linearis - Desert Willow	766.18	
32 93 43 00-0173	EA	5 Gallon Chionanthus retusus - Chinese Fringe Tree	27.86	
32 93 43 00-0174	EA	15 Gallon Chionanthus retusus - Chinese Fringe Tree	111.44	
32 93 43 00-0175	EA	24" Box Chionanthus retusus - Chinese Fringe Tree	557.22	
32 93 43 00-0176	EA	5 Gallon Calodendrum capense - Cape Chestnut	41.79	
32 93 43 00-0177	EA	15 Gallon Calodendrum capense - Cape Chestnut	167.17	
32 93 43 00-0178	EA	24" Box Calodendrum capense - Cape Chestnut	626.87	
32 93 43 00-0179	EA	6' Chionanthus virginicus - White Fringe Tree	334.33	
32 93 43 00-0180	EA	8' Chionanthus virginicus - White Fringe Tree	733.89	
32 93 43 00-0181	EA	10' Chionanthus virginicus - White Fringe Tree	1,022.21	
32 93 43 00-0182	EA	15 Gallon Geijera parvifolia - Australian Willow	314.53	
32 93 43 00-0183	EA	24" Box Geijera parvifolia - Australian Willow	647.40	
32 93 43 00-0184	EA	30" Box Geijera parvifolia - Australian Willow	1,205.68	
32 93 43 00-0185	EA	36" Box Geijera parvifolia - Australian Willow	1,729.89	
32 93 43 00-0186	EA	1-1/2" Caliper Ginko Biloba - Maidenhair Tree	933.09	
32 93 43 00-0187	EA	2" Caliper Ginko Biloba - Maidenhair Tree	1,300.04	
32 93 43 00-0188	EA	2-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,567.39	
32 93 43 00-0189	EA	3" Caliper Ginko Biloba - Maidenhair Tree	1,829.49	
32 93 43 00-0190	EA	3-1/2" Caliper Ginko Biloba - Maidenhair Tree	2,395.64	
32 93 43 00-0191	EA	4" Caliper Ginko Biloba - Maidenhair Tree	2,558.14	
32 93 43 00-0192	EA	4-1/2" Caliper Ginko Biloba - Maidenhair Tree	2,725.89	
32 93 43 00-0193	EA	24" Box Ginko Biloba - Maidenhair Tree	851.84	
32 93 43 00-0194	EA	15 Gallon Sapium sebiferum - Chinese Tallow Tree	314.53	
32 93 43 00-0195	EA	24" Box Sapium sebiferum - Chinese Tallow Tree	1,153.26	
32 93 43 00-0196	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	335.49	
32 93 43 00-0197	EA	6' Lagerstroemia indica - Crape Myrtle	623.81	
32 93 43 00-0198	EA	8' Lagerstroemia indica - Crape Myrtle	644.78	
32 93 43 00-0199	EA	10' Lagerstroemia indica - Crape Myrtle	781.07	
32 93 43 00-0200	EA	24" Box Lagerstroemia indica - Crape Myrtle	613.33	
32 93 43 00-0201	EA	5 Gallon Celtis Sinensis - Chinese Hackberry	40.88	
32 93 43 00-0202	EA	15 Gallon Celtis Sinensis - Chinese Hackberry	107.78	
32 93 43 00-0203	EA	24" Box Celtis Sinensis - Chinese Hackberry	353.08	
32 93 43 00-0204	EA	36" Box Celtis Sinensis - Chinese Hackberry	1,031.36	
32 93 43 00-0205	EA	5 Gallon Crataegus phaenopyrum - Washington Hawthorn	40.88	
32 93 43 00-0206	EA	15 Gallon Crataegus phaenopyrum - Washington Hawthorn	107.78	
32 93 43 00-0207	EA	24" Box Crataegus phaenopyrum - Washington Hawthorn	353.08	
32 93 43 00-0208	EA	36" Box Crataegus phaenopyrum - Washington Hawthorn	1,031.36	
32 93 43 00-0209	EA	1 Gallon Eucalyptus ficifolia - Red-Flowering Gum	12.08	
32 93 43 00-0210	EA	5 Gallon Eucalyptus ficifolia - Red-Flowering Gum	33.45	
32 93 43 00-0211	EA	15 Gallon Eucalyptus ficifolia - Red-Flowering Gum	146.81	
32 93 43 00-0212	EA	24" Box Eucalyptus ficifolia - Red-Flowering Gum	353.08	
32 93 43 00-0213	EA	36" Box Eucalyptus ficifolia - Red-Flowering Gum	929.15	
32 93 43 00-0214	EA	15 Gallon Fraxinus velutina 'Raywood' - Fan-Tex Ash	91.06	
32 93 43 00-0215	EA	24" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	297.33	
32 93 43 00-0216	EA	36" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	789.78	
32 93 43 00-0217	EA	48" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	1,765.38	
32 93 43 00-0218	EA	5 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	26.02	
32 93 43 00-0219	EA	15 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	91.06	



		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Plants	32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0220	EA		24" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust.....	297.33	
32 93 43 00-0221	EA		36" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust.....	789.78	
32 93 43 00-0222	EA		48" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust.....	1,765.38	
32 93 43 00-0223	EA		5 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	26.02	
32 93 43 00-0224	EA		15 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	109.64	
32 93 43 00-0225	EA		24" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	297.33	
32 93 43 00-0226	EA		36" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	836.24	
32 93 43 00-0227	EA		48" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	2,137.04	
32 93 43 00-0228	EA		5 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	26.02	
32 93 43 00-0229	EA		15 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	109.64	
32 93 43 00-0230	EA		24" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	297.33	
32 93 43 00-0231	EA		36" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	836.24	
32 93 43 00-0232	EA		48" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	2,137.04	
32 93 43 00-0233	EA		5 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	26.02	
32 93 43 00-0234	EA		15 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	109.64	
32 93 43 00-0235	EA		24" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	297.33	
32 93 43 00-0236	EA		36" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	836.24	
32 93 43 00-0237	EA		48" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	2,137.04	
32 93 43 00-0238	EA		1 Gallon Pittosporum undulatum - Victorian Box.....	10.92	
32 93 43 00-0239	EA		5 Gallon Pittosporum undulatum - Victorian Box.....	23.52	
32 93 43 00-0240	EA		15 Gallon Pittosporum undulatum - Victorian Box.....	132.74	
32 93 43 00-0241	EA		24" Box Pittosporum undulatum - Victorian Box.....	319.26	
32 93 43 00-0242	EA		36" Box Pittosporum undulatum - Victorian Box.....	924.16	
32 93 43 00-0243	EA		48" Box Pittosporum undulatum - Victorian Box.....	2,100.38	
32 93 43 00-0244	EA		15 Gallon Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum.....	92.82	
32 93 43 00-0245	EA		24" Box Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum.....	334.40	

**32 93 43 00-0246**

**Deciduous Shade Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0247	EA		3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple.....	184.75	
32 93 43 00-0248	EA		4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple.....	226.47	
32 93 43 00-0249	EA		4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple.....	295.01	
32 93 43 00-0250	EA		5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple.....	382.42	
32 93 43 00-0251	EA		2" To 2-1/2" Acer palmatum - Japanese Maple.....	19.49	
32 93 43 00-0252	EA		4" To 5" Acer palmatum - Japanese Maple.....	40.92	
32 93 43 00-0253	EA		5" To 6" Acer palmatum - Japanese Maple.....	53.59	
32 93 43 00-0254	EA		6" To 7" Acer palmatum - Japanese Maple.....	97.43	
32 93 43 00-0255	EA		7" To 8" Acer palmatum - Japanese Maple.....	136.41	
32 93 43 00-0256	EA		8" To 10" Acer palmatum - Japanese Maple.....	175.38	
32 93 43 00-0257	EA		10" To 12" Acer palmatum - Japanese Maple.....	233.84	
32 93 43 00-0258	EA		2" Caliper Acer platanoides & cvs - Norway Maple.....	99.33	
32 93 43 00-0259	EA		2" Caliper Acer platanoides & cvs - Norway Maple.....	120.92	
32 93 43 00-0260	EA		3" Caliper Acer platanoides & cvs - Norway Maple.....	155.47	
32 93 43 00-0261	EA		3-1/2" Caliper Acer platanoides & cvs - Norway Maple.....	181.39	
32 93 43 00-0262	EA		4" Caliper Acer platanoides & cvs - Norway Maple.....	194.34	
32 93 43 00-0263	EA		4-1/2" Caliper Acer platanoides & cvs - Norway Maple.....	211.62	
32 93 43 00-0264	EA		5" Caliper Acer platanoides & cvs - Norway Maple.....	237.53	
32 93 43 00-0265	EA		2" Caliper Acer rubrum & cvs - Red Maple.....	95.01	
32 93 43 00-0266	EA		2-1/2" Caliper Acer rubrum & cvs - Red Maple.....	120.92	
32 93 43 00-0267	EA		3" Caliper Acer rubrum & cvs - Red Maple.....	155.47	
32 93 43 00-0268	EA		3-1/2" Caliper Acer rubrum & cvs - Red Maple.....	190.02	
32 93 43 00-0269	EA		4" Caliper Acer rubrum & cvs - Red Maple.....	215.93	
32 93 43 00-0270	EA		4-1/2" Caliper Acer rubrum & cvs - Red Maple.....	250.48	
32 93 43 00-0271	EA		5" Caliper Acer rubrum & cvs - Red Maple.....	280.72	
32 93 43 00-0272	EA		8" Clump Form Acer rubrum & cvs - Red Maple.....	116.60	
32 93 43 00-0273	EA		10" Clump Form Acer rubrum & cvs - Red Maple.....	155.47	
32 93 43 00-0274	EA		12" Clump Form Acer rubrum & cvs - Red Maple.....	181.39	
32 93 43 00-0275	EA		14" Clump Form Acer rubrum & cvs - Red Maple.....	207.30	
32 93 43 00-0276	EA		16" Clump Form Acer rubrum & cvs - Red Maple.....	233.21	
32 93 43 00-0277	EA		18" Clump Form Acer rubrum & cvs - Red Maple.....	259.12	
32 93 43 00-0278	EA		2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	151.15	
32 93 43 00-0279	EA		2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	168.43	
32 93 43 00-0280	EA		3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	190.02	
32 93 43 00-0281	EA		3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	215.93	
32 93 43 00-0282	EA		4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	259.12	
32 93 43 00-0283	EA		2" Caliper Betula nigra - River Birch.....	107.97	
32 93 43 00-0284	EA		2-1/2" Caliper Betula nigra - River Birch.....	122.26	
32 93 43 00-0285	EA		3" Caliper Betula nigra - River Birch.....	138.20	
32 93 43 00-0286	EA		3-1/2" Caliper Betula nigra - River Birch.....	172.75	
32 93 43 00-0287	EA		4" Caliper Betula nigra - River Birch.....	194.34	
32 93 43 00-0288	EA		4-1/2" Caliper Betula nigra - River Birch.....	215.93	
32 93 43 00-0289	EA		5" Caliper Betula nigra - River Birch.....	237.53	
32 93 43 00-0290	EA		8" Clump Form Betula nigra - River Birch.....	99.33	
32 93 43 00-0291	EA		10" Clump Form Betula nigra - River Birch.....	112.29	
32 93 43 00-0292	EA		12" Clump Form Betula nigra - River Birch.....	129.56	
32 93 43 00-0293	EA		14" Clump Form Betula nigra - River Birch.....	151.15	
32 93 43 00-0294	EA		16" Clump Form Betula nigra - River Birch.....	172.75	
32 93 43 00-0295	EA		12" Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	129.56	
32 93 43 00-0296	EA		14" Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	155.47	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-0297	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	181.39	
32 93 43 00-0298	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	215.93	
32 93 43 00-0299	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	224.57	
32 93 43 00-0300	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam	172.75	
32 93 43 00-0301	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	194.34	
32 93 43 00-0302	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam	224.57	
32 93 43 00-0303	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	272.08	
32 93 43 00-0304	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam	77.74	
32 93 43 00-0305	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam	107.97	
32 93 43 00-0306	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam	133.88	
32 93 43 00-0307	EA	2" Caliper Catalpa speciosa - Western Catalpa	95.01	
32 93 43 00-0308	EA	2-1/2" Caliper Catalpa speciosa - Western Catalpa	129.56	
32 93 43 00-0309	EA	3" Caliper Catalpa speciosa - Western Catalpa	168.43	
32 93 43 00-0310	EA	3-1/2" Caliper Catalpa speciosa - Western Catalpa	202.98	
32 93 43 00-0311	EA	4" Caliper Catalpa speciosa - Western Catalpa	233.21	
32 93 43 00-0312	EA	8' Clump Form Corylus cornuta californica - Western Filbert	120.92	
32 93 43 00-0313	EA	10' Clump Form Corylus cornuta californica - Western Filbert	146.84	
32 93 43 00-0314	EA	12' Clump Form Corylus cornuta californica - Western Filbert	172.75	
32 93 43 00-0315	EA	1-1/2" Caliper Diospyros - Persimmon	77.74	
32 93 43 00-0316	EA	2" Caliper Diospyros - Persimmon	95.01	
32 93 43 00-0317	EA	2-1/2" Caliper Diospyros - Persimmon	120.92	
32 93 43 00-0318	EA	3" Caliper Diospyros - Persimmon	151.15	
32 93 43 00-0319	EA	3-1/2" Caliper Diospyros - Persimmon	181.39	
32 93 43 00-0320	EA	2" Caliper Fagus sylvatica & cvs - European Beech	194.34	
32 93 43 00-0321	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech	233.21	
32 93 43 00-0322	EA	3" Caliper Fagus sylvatica & cvs - European Beech	280.72	
32 93 43 00-0323	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech	310.95	
32 93 43 00-0324	EA	4" Caliper Fagus sylvatica & cvs - European Beech	367.09	
32 93 43 00-0325	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech	475.06	
32 93 43 00-0326	EA	5" Caliper Fagus sylvatica & cvs - European Beech	561.43	
32 93 43 00-0327	EA	2" Caliper Fraxinus americana & cvs - White Ash	107.97	
32 93 43 00-0328	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash	129.56	
32 93 43 00-0329	EA	3" Caliper Fraxinus americana & cvs - White Ash	164.11	
32 93 43 00-0330	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash	198.66	
32 93 43 00-0331	EA	4" Caliper Fraxinus americana & cvs - White Ash	233.21	
32 93 43 00-0332	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash	259.12	
32 93 43 00-0333	EA	5" Caliper Fraxinus americana & cvs - White Ash	302.31	
32 93 43 00-0334	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	151.15	
32 93 43 00-0335	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	168.43	
32 93 43 00-0336	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	190.02	
32 93 43 00-0337	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	211.62	
32 93 43 00-0338	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	237.53	
32 93 43 00-0339	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	259.12	
32 93 43 00-0340	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	388.68	
32 93 43 00-0341	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	431.87	
32 93 43 00-0342	EA	2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	103.65	
32 93 43 00-0343	EA	2-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	129.56	
32 93 43 00-0344	EA	3" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	155.47	
32 93 43 00-0345	EA	3-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	181.39	
32 93 43 00-0346	EA	4" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	207.30	
32 93 43 00-0347	EA	4-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	233.21	
32 93 43 00-0348	EA	5" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	276.40	
32 93 43 00-0349	EA	10' - 12' Bursera Simaruba - Gumbo Limbo	54.63	
32 93 43 00-0350	EA	12' - 14' Bursera Simaruba - Gumbo Limbo	64.56	
32 93 43 00-0351	EA	14' - 16' Bursera Simaruba - Gumbo Limbo	89.40	
32 93 43 00-0352	EA	17' - 18' Bursera Simaruba - Gumbo Limbo	116.22	
32 93 43 00-0353	EA	19' - 20' Bursera Simaruba - Gumbo Limbo	129.13	
32 93 43 00-0354	EA	21' - 22' Bursera Simaruba - Gumbo Limbo	152.97	
32 93 43 00-0355	EA	1-1/2" Caliper Juglans californica - California Walnut	103.65	
32 93 43 00-0356	EA	2" Caliper Juglans californica - California Walnut	120.92	
32 93 43 00-0357	EA	2-1/2" Caliper Juglans californica - California Walnut	151.15	
32 93 43 00-0358	EA	3" Caliper Juglans californica - California Walnut	190.02	
32 93 43 00-0359	EA	3-1/2" Caliper Juglans californica - California Walnut	233.21	
32 93 43 00-0360	EA	4" Caliper Juglans californica - California Walnut	280.72	
32 93 43 00-0361	EA	4-1/2" Caliper Juglans californica - California Walnut	323.90	
32 93 43 00-0362	EA	5" Caliper Juglans californica - California Walnut	367.09	
32 93 43 00-0363	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree	11.69	
32 93 43 00-0364	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree	29.23	
32 93 43 00-0365	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree	58.46	
32 93 43 00-0366	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree	76.00	
32 93 43 00-0367	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	55.54	
32 93 43 00-0368	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	67.23	
32 93 43 00-0369	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	93.54	
32 93 43 00-0370	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	138.20	
32 93 43 00-0371	EA	2" Caliper Liquidambar styraciflua - American Sweetgum	172.75	
32 93 43 00-0372	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	215.93	
32 93 43 00-0373	EA	3" Caliper Liquidambar styraciflua - American Sweetgum	259.12	
32 93 43 00-0374	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	302.31	
32 93 43 00-0375	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	138.20	
32 93 43 00-0376	EA	2" Caliper Liriodendron tulipifera - Tulip Tree	190.02	
32 93 43 00-0377	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	224.57	



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 93 43 00-0378	EA	3" Caliper Liriodendron tulipifera - Tulip Tree .....	259.12	
32 93 43 00-0379	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree .....	293.67	
32 93 43 00-0380	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree.....	103.65	
32 93 43 00-0381	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree.....	185.70	
32 93 43 00-0382	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree.....	224.57	
32 93 43 00-0383	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum .....	138.20	
32 93 43 00-0384	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum .....	172.75	
32 93 43 00-0385	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum .....	215.93	
32 93 43 00-0386	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum .....	259.12	
32 93 43 00-0387	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum .....	302.31	
32 93 43 00-0388	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	60.46	
32 93 43 00-0389	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	69.10	
32 93 43 00-0390	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	82.06	
32 93 43 00-0391	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	103.65	
32 93 43 00-0392	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	129.56	
32 93 43 00-0393	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore.....	187.63	
32 93 43 00-0394	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore.....	272.91	
32 93 43 00-0395	EA	42" Box Platanus occidentalis - Buttonwood Sycamore.....	405.97	
32 93 43 00-0396	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore .....	62.78	
32 93 43 00-0397	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore .....	75.06	
32 93 43 00-0398	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore .....	102.34	
32 93 43 00-0399	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore .....	124.20	
32 93 43 00-0400	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood.....	51.65	
32 93 43 00-0401	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood.....	64.56	
32 93 43 00-0402	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood.....	114.23	
32 93 43 00-0403	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood.....	163.89	
32 93 43 00-0404	EA	2" Caliper Platanus x acerifolia & cvs - London Planetree .....	103.65	
32 93 43 00-0405	EA	2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree.....	125.24	
32 93 43 00-0406	EA	3" Caliper Platanus x acerifolia & cvs - London Planetree.....	151.15	
32 93 43 00-0407	EA	3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree.....	181.39	
32 93 43 00-0408	EA	4" Caliper Platanus x acerifolia & cvs - London Planetree .....	215.93	
32 93 43 00-0409	EA	2" Caliper Populus alba & cvs - White Poplar .....	103.65	
32 93 43 00-0410	EA	2-1/2" Caliper Populus alba & cvs - White Poplar.....	129.92	
32 93 43 00-0411	EA	3" Caliper Populus alba & cvs - White Poplar .....	138.20	
32 93 43 00-0412	EA	3-1/2" Caliper Populus alba & cvs - White Poplar.....	164.11	
32 93 43 00-0413	EA	4" Caliper Populus alba & cvs - White Poplar .....	181.39	
32 93 43 00-0414	EA	4-1/2" Caliper Populus alba & cvs - White Poplar.....	207.30	
32 93 43 00-0415	EA	2" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	95.01	
32 93 43 00-0416	EA	2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood .....	125.24	
32 93 43 00-0417	EA	3" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	151.15	
32 93 43 00-0418	EA	3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood .....	181.39	
32 93 43 00-0419	EA	4" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	215.93	
32 93 43 00-0420	EA	2" Caliper Quercus palustris - Pin Oak .....	95.01	
32 93 43 00-0421	EA	2-1/2" Caliper Quercus palustris - Pin Oak .....	129.56	
32 93 43 00-0422	EA	3" Caliper Quercus palustris - Pin Oak .....	168.43	
32 93 43 00-0423	EA	3-1/2" Caliper Quercus palustris - Pin Oak .....	194.34	
32 93 43 00-0424	EA	4" Caliper Quercus palustris - Pin Oak .....	224.57	
32 93 43 00-0425	EA	4-1/2" Caliper Quercus palustris - Pin Oak .....	254.80	
32 93 43 00-0426	EA	5" Caliper Quercus palustris - Pin Oak .....	280.72	
32 93 43 00-0427	EA	2" Caliper Quercus shumardii - Shumard Oak.....	146.84	
32 93 43 00-0428	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak.....	185.70	
32 93 43 00-0429	EA	3" Caliper Quercus shumardii - Shumard Oak.....	215.93	
32 93 43 00-0430	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak.....	259.12	
32 93 43 00-0431	EA	4" Caliper Quercus shumardii - Shumard Oak.....	302.31	
32 93 43 00-0432	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak.....	345.50	
32 93 43 00-0433	EA	5" Caliper Quercus shumardii - Shumard Oak.....	388.68	
32 93 43 00-0434	EA	24" Box Salix babylonica - Weeping Willow.....	109.16	
32 93 43 00-0435	EA	36" Box Salix babylonica - Weeping Willow.....	272.91	
32 93 43 00-0436	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow .....	62.78	
32 93 43 00-0437	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow .....	75.06	
32 93 43 00-0438	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow .....	81.88	
32 93 43 00-0439	EA	2' Thuja occidentalis - American Arborvitae.....	14.80	
32 93 43 00-0440	EA	2-1/2' Thuja occidentalis - American Arborvitae.....	15.99	
32 93 43 00-0441	EA	3' Thuja occidentalis - American Arborvitae.....	22.85	
32 93 43 00-0442	EA	4' Thuja occidentalis - American Arborvitae.....	31.39	
32 93 43 00-0443	EA	5' Thuja occidentalis - American Arborvitae.....	43.71	
32 93 43 00-0444	EA	6' Thuja occidentalis - American Arborvitae.....	60.59	
32 93 43 00-0445	EA	7' Thuja occidentalis - American Arborvitae.....	73.50	
32 93 43 00-0446	EA	8' Thuja occidentalis - American Arborvitae.....	103.30	
32 93 43 00-0447	EA	2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	108.62	
32 93 43 00-0448	EA	2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	131.20	
32 93 43 00-0449	EA	3" Caliper Tilia cordata & cvs - Littleleaf Linden.....	151.15	
32 93 43 00-0450	EA	3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	185.70	
32 93 43 00-0451	EA	4" Caliper Tilia cordata & cvs - Littleleaf Linden.....	211.62	
32 93 43 00-0452	EA	4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	237.53	
32 93 43 00-0453	EA	5" Caliper Tilia cordata & cvs - Littleleaf Linden.....	263.44	
32 93 43 00-0454	EA	2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm .....	120.92	
32 93 43 00-0455	EA	2-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	138.20	
32 93 43 00-0456	EA	3" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	151.15	
32 93 43 00-0457	EA	3-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	164.11	
32 93 43 00-0458	EA	4" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	181.39	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-0459	EA	4-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm .....	215.93	
32 93 43 00-0460	EA	5" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm .....	254.80	
32 93 43 00-0461	EA	2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm .....	138.20	
32 93 43 00-0462	EA	2-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm .....	151.15	
32 93 43 00-0463	EA	3" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm .....	164.11	
32 93 43 00-0464	EA	3-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm .....	181.39	
32 93 43 00-0465	EA	4" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm .....	215.93	
32 93 43 00-0466	EA	4-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm .....	254.80	
32 93 43 00-0467	EA	5" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm .....	293.67	
32 93 43 00-0468	EA	2" Caliper Ulmus x `Regal' - Regal Hybrid Elm .....	138.20	
32 93 43 00-0469	EA	2-1/2" Mary-Louise Parker Ulmus x `Regal' - Regal Hybrid Elm .....	151.15	
32 93 43 00-0470	EA	3" Caliper Ulmus x `Regal' - Regal Hybrid Elm .....	164.11	
32 93 43 00-0471	EA	3-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm .....	181.39	
32 93 43 00-0472	EA	4" Caliper Ulmus x `Regal' - Regal Hybrid Elm .....	215.93	
32 93 43 00-0473	EA	4-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm .....	254.80	
32 93 43 00-0474	EA	5" Caliper Ulmus x `Regal' - Regal Hybrid Elm .....	293.67	
32 93 43 00-0475	EA	1-1/2" To 2" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	487.52	
32 93 43 00-0476	EA	2" To 2-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	870.19	
32 93 43 00-0477	EA	2-1/2" To 3" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	1,273.83	
32 93 43 00-0478	EA	3" To 3-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	1,583.11	
32 93 43 00-0479	EA	3-1/2" To 4" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	2,049.66	
32 93 43 00-0480	EA	4" To 5" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	2,332.73	
32 93 43 00-0481	EA	24" Box Platanus acerifolia "Bloodgold" - London Plane.....	613.33	
32 93 43 00-0482	EA	1-1/2" Caliper Quercus suber - Cork Oak .....	733.89	
32 93 43 00-0483	EA	2" Caliper Quercus suber - Cork Oak.....	1,016.97	
32 93 43 00-0484	EA	2-1/2" Caliper Quercus suber - Cork Oak .....	1,300.04	
32 93 43 00-0485	EA	3" Caliper Quercus suber - Cork Oak .....	1,625.05	
32 93 43 00-0486	EA	3-1/2" Caliper Quercus suber - Cork Oak .....	2,437.58	
32 93 43 00-0487	EA	4" Caliper Quercus suber - Cork Oak.....	3,145.26	
32 93 43 00-0488	EA	4-1/2" Caliper Quercus suber - Cork Oak .....	4,088.84	
32 93 43 00-0489	EA	1-1/2" Caliper Quercus ilex - Holly Oak.....	812.53	
32 93 43 00-0490	EA	2" Caliper Quercus ilex - Holly Oak.....	1,095.60	
32 93 43 00-0491	EA	2-1/2" Caliper Quercus ilex - Holly Oak.....	1,341.98	
32 93 43 00-0492	EA	3" Caliper Quercus ilex - Holly Oak.....	1,625.05	
32 93 43 00-0493	EA	3-1/2" Caliper Quercus ilex - Holly Oak.....	2,437.58	
32 93 43 00-0494	EA	4" Caliper Quercus ilex - Holly Oak.....	3,145.26	

**32 93 43 00-0495****Evergreen Trees** (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0496	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar .....	17.58	
32 93 43 00-0497	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar .....	28.26	
32 93 43 00-0498	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar .....	41.99	
32 93 43 00-0499	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar .....	56.49	
32 93 43 00-0500	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar .....	80.20	
32 93 43 00-0501	EA	6' To 8' Cedrus deodara - Indian Cedar.....	72.57	
32 93 43 00-0502	EA	8' To 10' Cedrus deodara - Indian Cedar .....	84.02	
32 93 43 00-0503	EA	10' To 12' Cedrus deodara - Indian Cedar.....	114.56	
32 93 43 00-0504	EA	12' To 14' Cedrus deodara - Indian Cedar.....	148.92	
32 93 43 00-0505	EA	14' To 16' Cedrus deodara - Indian Cedar .....	190.94	
32 93 43 00-0506	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress.....	22.68	
32 93 43 00-0507	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress.....	34.03	
32 93 43 00-0508	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress.....	52.93	
32 93 43 00-0509	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress.....	90.74	
32 93 43 00-0510	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress .....	12.48	
32 93 43 00-0511	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress .....	49.92	
32 93 43 00-0512	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress .....	21.84	
32 93 43 00-0513	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress .....	28.08	
32 93 43 00-0514	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress .....	43.68	
32 93 43 00-0515	EA	24" Box Cupressocyparis leylandii - Leyland Cypress .....	106.08	
32 93 43 00-0516	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress .....	2.28	
32 93 43 00-0517	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress .....	10.24	
32 93 43 00-0518	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress .....	34.14	
32 93 43 00-0519	EA	5 Gallon Cupressus sempervirens - Italian Cypress .....	11.75	
32 93 43 00-0520	EA	15 Gallon Cupressus sempervirens - Italian Cypress .....	32.30	
32 93 43 00-0521	EA	1 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper .....	3.45	
32 93 43 00-0522	EA	2 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper .....	6.75	
32 93 43 00-0523	EA	3 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper .....	8.37	
32 93 43 00-0524	EA	5 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper .....	9.84	
32 93 43 00-0525	EA	1 Gallon Juniperus - Blue Sargent Juniper .....	3.45	
32 93 43 00-0526	EA	2 Gallon Juniperus - Blue Sargent Juniper .....	6.75	
32 93 43 00-0527	EA	3 Gallon Juniperus - Blue Sargent Juniper .....	8.37	
32 93 43 00-0528	EA	5 Gallon Juniperus - Blue Sargent Juniper .....	9.84	
32 93 43 00-0529	EA	5 Gallon Juniperus - Compact Pfitzer Juniper.....	9.84	
32 93 43 00-0530	EA	15" To 18" Juniperus - Compact Pfitzer Juniper .....	10.64	
32 93 43 00-0531	EA	18" To 24" Juniperus - Compact Pfitzer Juniper .....	12.85	
32 93 43 00-0532	EA	2' To 2 1/2' Juniperus - Compact Pfitzer Juniper.....	19.09	
32 93 43 00-0533	EA	2-1/2' To 3' Juniperus - Compact Pfitzer Juniper .....	22.10	
32 93 43 00-0534	EA	5' To 6' Juniperus - Fairview Juniper.....	32.91	
32 93 43 00-0535	EA	1 Gallon Juniperus - Hollywood Juniper.....	4.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0536	EA	5	Gallon Juniperus - Hollywood Juniper .....	12.26	
32 93 43 00-0537	EA	15	Gallon Juniperus - Hollywood Juniper .....	51.98	
32 93 43 00-0538	EA	4'	To 5' Juniperus - Hollywood Juniper .....	34.36	
32 93 43 00-0539	EA	5'	To 6' Juniperus - Hollywood Juniper .....	44.27	
32 93 43 00-0540	EA	1	Gallon Juniperus - Parson's Juniper .....	3.45	
32 93 43 00-0541	EA	2	Gallon Juniperus - Parson's Juniper .....	6.83	
32 93 43 00-0542	EA	3	Gallon Juniperus - Parson's Juniper .....	8.44	
32 93 43 00-0543	EA	5	Gallon Juniperus - Parson's Juniper .....	9.98	
32 93 43 00-0544	EA	5	Gallon Juniperus - Skyrocket Juniper .....	12.33	
32 93 43 00-0545	EA	15	Gallon Juniperus - Skyrocket Juniper .....	52.49	
32 93 43 00-0546	EA	2'	To 3' Juniperus - Skyrocket Juniper .....	18.50	
32 93 43 00-0547	EA	3'	To 4' Juniperus - Skyrocket Juniper .....	26.21	
32 93 43 00-0548	EA	4'	To 5' Juniperus - Skyrocket Juniper .....	34.72	
32 93 43 00-0549	EA	5'	To 6' Juniperus - Skyrocket Juniper .....	44.78	
32 93 43 00-0550	EA	6'	To 8' Juniperus - Skyrocket Juniper .....	57.85	
32 93 43 00-0551	EA	1	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper .....	3.45	
32 93 43 00-0552	EA	2	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper .....	6.79	
32 93 43 00-0553	EA	3	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper .....	8.33	
32 93 43 00-0554	EA	5	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper .....	9.87	
32 93 43 00-0555	EA	1	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper .....	3.45	
32 93 43 00-0556	EA	2	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper .....	6.79	
32 93 43 00-0557	EA	3	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper .....	8.33	
32 93 43 00-0558	EA	5	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper .....	9.87	
32 93 43 00-0559	EA	3'	Pinus sylvestris - Scotch Pine .....	32.07	
32 93 43 00-0560	EA	4'	Pinus sylvestris - Scotch Pine .....	44.51	
32 93 43 00-0561	EA	5'	Pinus sylvestris - Scotch Pine .....	62.48	
32 93 43 00-0562	EA	6'	Pinus sylvestris - Scotch Pine .....	86.68	
32 93 43 00-0563	EA	7'	Pinus sylvestris - Scotch Pine .....	106.21	
32 93 43 00-0564	EA	8'	Pinus sylvestris - Scotch Pine .....	149.94	
32 93 43 00-0565	EA	9'	Pinus sylvestris - Scotch Pine .....	190.35	
32 93 43 00-0566	EA	10'	Pinus sylvestris - Scotch Pine .....	219.64	
32 93 43 00-0567	EA	12'	Pinus sylvestris - Scotch Pine .....	258.69	
32 93 43 00-0568	EA	14'	Pinus sylvestris - Scotch Pine .....	292.85	
32 93 43 00-0569	EA	16'	Pinus sylvestris - Scotch Pine .....	341.66	
32 93 43 00-0570	EA	1	Gallon Pinus thunbergiana - Japanese Black Pine .....	3.45	
32 93 43 00-0571	EA	5	Gallon Pinus thunbergiana - Japanese Black Pine .....	12.26	
32 93 43 00-0572	EA	15	Gallon Pinus thunbergiana - Japanese Black Pine .....	39.72	
32 93 43 00-0573	EA	2'	To 3' Pinus thunbergiana - Japanese Black Pine .....	16.81	
32 93 43 00-0574	EA	3'	To 4' Pinus thunbergiana - Japanese Black Pine .....	21.36	
32 93 43 00-0575	EA	4'	To 5' Pinus thunbergiana - Japanese Black Pine .....	32.08	
32 93 43 00-0576	EA	5'	To 6' Pinus thunbergiana - Japanese Black Pine .....	62.62	
32 93 43 00-0577	EA	6'	To 7' Pinus Thunbergiana - Japanese Black Pine .....	70.25	
32 93 43 00-0578	EA	7'	To 8' Pinus thunbergiana - Japanese Black Pine .....	87.80	
32 93 43 00-0579	EA	6'	Pinus flexilis & cvs - Limber Pine .....	122.02	
32 93 43 00-0580	EA	7'	Pinus flexilis & cvs - Limber Pine .....	141.55	
32 93 43 00-0581	EA	8'	Pinus flexilis & cvs - Limber Pine .....	175.71	
32 93 43 00-0582	EA	9'	Pinus flexilis & cvs - Limber Pine .....	214.76	
32 93 43 00-0583	EA	10'	Pinus flexilis & cvs - Limber Pine .....	244.04	
32 93 43 00-0584	EA	1	Gallon Pinus mugo - Mugho Pine .....	4.55	
32 93 43 00-0585	EA	2	Gallon Pinus mugo - Mugho Pine .....	9.62	
32 93 43 00-0586	EA	3	Gallon Pinus mugo - Mugho Pine .....	12.04	
32 93 43 00-0587	EA	5	Gallon Pinus mugo - Mugho Pine .....	15.27	
32 93 43 00-0588	EA	12"	To 15" Spread Pinus mugo - Mugho Pine .....	11.82	
32 93 43 00-0589	EA	15"	To 18" Spread Pinus mugo - Mugho Pine .....	14.09	
32 93 43 00-0590	EA	18"	To 24" Spread Pinus mugo - Mugho Pine .....	19.09	
32 93 43 00-0591	EA	2'	To 2-1/2' Spread Pinus mugo - Mugho Pine .....	26.72	
32 93 43 00-0592	EA	2-1/2'	To 3' Spread Pinus mugo - Mugho Pine .....	34.36	
32 93 43 00-0593	EA	3'	To 3-1/2' Spread Pinus mugo - Mugho Pine .....	42.80	
32 93 43 00-0594	EA	3-1/2'	To 4' Spread Pinus mugo - Mugho Pine .....	51.98	
32 93 43 00-0595	EA	6'	Pinus nigra - Austrian Pine .....	122.02	
32 93 43 00-0596	EA	7'	Pinus nigra - Austrian Pine .....	146.43	
32 93 43 00-0597	EA	8'	Pinus nigra - Austrian Pine .....	190.35	
32 93 43 00-0598	EA	9'	Pinus nigra - Austrian Pine .....	219.64	
32 93 43 00-0599	EA	10'	Pinus nigra - Austrian Pine .....	258.69	
32 93 43 00-0600	EA	12'	Pinus nigra - Austrian Pine .....	292.85	
32 93 43 00-0601	EA	14'	Pinus nigra - Austrian Pine .....	327.02	
32 93 43 00-0602	EA	16'	Pinus nigra - Austrian Pine .....	370.95	
32 93 43 00-0603	EA	1	Gallon Podocarpus - Chinese Podocarpus .....	2.28	
32 93 43 00-0604	EA	3	Gallon Podocarpus - Chinese Podocarpus .....	5.29	
32 93 43 00-0605	EA	7	Gallon Podocarpus - Chinese Podocarpus .....	15.27	
32 93 43 00-0606	EA	15	Gallon Podocarpus - Chinese Podocarpus .....	24.81	
32 93 43 00-0607	EA	4'	To 5' Podocarpus - Chinese Podocarpus .....	38.17	
32 93 43 00-0608	EA	5'	To 6' Sequoia sempervirens - Dawn Redwood .....	47.72	
32 93 43 00-0609	EA	6'	To 8' Sequoia sempervirens - Dawn Redwood .....	64.42	
32 93 43 00-0610	EA	8'	To 10' Sequoia sempervirens - Dawn Redwood .....	78.73	
32 93 43 00-0611	EA	3'	To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae .....	9.20	
32 93 43 00-0612	EA	3'	To 4' Thuja occidentalis 'Woodwardii' - Woodward Arborvitae .....	20.65	
32 93 43 00-0613	EA	4'	Metrosideros excelsus - New Zealand Christmas Tree .....	69.60	
32 93 43 00-0614	EA	5'	Metrosideros excelsus - New Zealand Christmas Tree .....	94.30	
32 93 43 00-0615	EA	6'	Metrosideros excelsus - New Zealand Christmas Tree .....	160.53	
32 93 43 00-0616	EA	8'	Metrosideros excelsus - New Zealand Christmas Tree .....	198.70	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-0617	EA	24" Box Metrosideros excelsus - New Zealand Christmas Tree	143.04
32 93 43 00-0618	EA	6' Cedrus decurrens - Incese Cedar	81.95
32 93 43 00-0619	EA	8' Cedrus decurrens - Incese Cedar	169.51
32 93 43 00-0620	EA	10' Cedrus decurrens - Incese Cedar	224.52
32 93 43 00-0621	EA	12' Cedrus decurrens - Incese Cedar	297.49
32 93 43 00-0622	EA	6' Pinus canariensis - Canary Island Pine	269.42
32 93 43 00-0623	EA	8' Pinus canariensis - Canary Island Pine	359.23
32 93 43 00-0624	EA	10' Pinus canariensis - Canary Island Pine	449.04
32 93 43 00-0625	EA	12' Pinus canariensis - Canary Island Pine	538.85
32 93 43 00-0626	EA	24" Box Pinus canariensis - Canary Island Pine	277.28
32 93 43 00-0627	EA	6' Pinus pinea - Italian Stone Pine	269.42
32 93 43 00-0628	EA	8' Pinus pinea - Italian Stone Pine	359.23
32 93 43 00-0629	EA	10' Pinus pinea - Italian Stone Pine	449.04
32 93 43 00-0630	EA	12' Pinus pinea - Italian Stone Pine	538.85
32 93 43 00-0631	EA	6' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	280.65
32 93 43 00-0632	EA	8' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	370.46
32 93 43 00-0633	EA	10' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	471.49
32 93 43 00-0634	EA	12' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	561.30
32 93 43 00-0635	EA	24" Box Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	131.34
32 93 43 00-0636	EA	6' Melaleuca linariifolia - Flaxleaf Paperbark	235.75
32 93 43 00-0637	EA	8' Melaleuca linariifolia - Flaxleaf Paperbark	314.33
32 93 43 00-0638	EA	10' Melaleuca linariifolia - Flaxleaf Paperbark	392.91
32 93 43 00-0639	EA	12' Melaleuca linariifolia - Flaxleaf Paperbark	471.49
32 93 43 00-0640	EA	24" Box Melaleuca linariifolia - Flaxleaf Paperbark	233.50
32 93 43 00-0641	EA	6' Melaleuca quinquenervia - Cajeput Tree	235.75
32 93 43 00-0642	EA	8' Melaleuca quinquenervia - Cajeput Tree	314.33
32 93 43 00-0643	EA	10' Melaleuca quinquenervia - Cajeput Tree	392.91
32 93 43 00-0644	EA	12' Melaleuca quinquenervia - Cajeput Tree	471.49
32 93 43 00-0645	EA	24" Box Melaleuca quinquenervia - Cajeput Tree	131.34
32 93 43 00-0646	EA	30" Box Melaleuca quinquenervia - Cajeput Tree	331.17
32 93 43 00-0647	EA	36" Box Melaleuca quinquenervia - Cajeput Tree	522.01
32 93 43 00-0648	EA	6' Pittosporum undulatum - Victorian Box	148.18
32 93 43 00-0649	EA	8' Pittosporum undulatum - Victorian Box	234.62
32 93 43 00-0650	EA	10' Pittosporum undulatum - Victorian Box	308.72
32 93 43 00-0651	EA	1 Gallon Podocarpus macrophyllus - Yew Pine	5.22
32 93 43 00-0652	EA	3 Gallon Podocarpus macrophyllus - Yew Pine	12.24
32 93 43 00-0653	EA	5 Gallon Podocarpus macrophyllus - Yew Pine	16.05
32 93 43 00-0654	EA	15 Gallon Podocarpus macrophyllus - Yew Pine	69.60
32 93 43 00-0655	EA	24" Box Podocarpus macrophyllus - Yew Pine	134.71
32 93 43 00-0656	EA	24" Box Rhus lancea - African Sumac	138.64
32 93 43 00-0657	EA	30" Box Rhus lancea - African Sumac	224.52
32 93 43 00-0658	EA	8' Rhus lancea - African Sumac	336.78
32 93 43 00-0659	EA	10' Rhus lancea - African Sumac	376.07
32 93 43 00-0660	EA	12' Rhus lancea - African Sumac	449.04

**32 93 43 00-0661 Palm And Subtropical Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0662	EA	4' To 5' Archontophoenix cunninghamiana - King Palm	90.16
32 93 43 00-0663	EA	6' To 8' Archontophoenix cunninghamiana - King Palm	140.25
32 93 43 00-0664	EA	8' To 10' Archontophoenix cunninghamiana - King Palm	180.32
32 93 43 00-0665	EA	10' To 12' Archontophoenix cunninghamiana - King Palm	240.42
32 93 43 00-0666	EA	10' To 16' Sabal palmetto - Cabbage Palm	140.83
32 93 43 00-0667	EA	12' To 16' Cocos nucifera - Coconut Palm	384.08
32 93 43 00-0668	EA	3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	191.25
32 93 43 00-0669	EA	5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	300.53
32 93 43 00-0670	EA	3' To 4' Chamaerops humilis - European Fan Palm	163.93
32 93 43 00-0671	EA	5' To 6' Chamaerops humilis - European Fan Palm	218.57
32 93 43 00-0672	EA	7' To 8' Chamaerops humilis - European Fan Palm	509.99
32 93 43 00-0673	EA	9' To 10' Chamaerops humilis - European Fan Palm	874.27
32 93 43 00-0674	EA	6' To 7' Thrinax morrisii - Key Thatch Palm	382.49
32 93 43 00-0675	EA	8' To 9' Thrinax morrisii - Key Thatch Palm	491.78
32 93 43 00-0676	EA	10' To 11' Thrinax morrisii - Key Thatch Palm	601.06
32 93 43 00-0677	EA	4' To 5' Rhapsis excelsa - Lady Palm	346.07
32 93 43 00-0678	EA	6' To 7' Rhapsis excelsa - Lady Palm	491.78
32 93 43 00-0679	EA	6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	127.50
32 93 43 00-0680	EA	8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	255.00
32 93 43 00-0681	EA	10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	327.85
32 93 43 00-0682	EA	12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	455.35
32 93 43 00-0683	EA	4' To 5' Arecastrum romanzoffianum - Queen Palm	68.30
32 93 43 00-0684	EA	6' To 8' Arecastrum romanzoffianum - Queen Palm	95.62
32 93 43 00-0685	EA	8' To 10' Arecastrum romanzoffianum - Queen Palm	122.94
32 93 43 00-0686	EA	10' To 12' Arecastrum romanzoffianum - Queen Palm	150.27
32 93 43 00-0687	EA	12' To 14' Arecastrum romanzoffianum - Queen Palm	182.14
32 93 43 00-0688	EA	14' To 16' Arecastrum romanzoffianum - Queen Palm	227.68
32 93 43 00-0689	EA	8' To 9' Roystonea regia - Royal Palm	278.67
32 93 43 00-0690	EA	10' To 11' Roystonea regia - Royal Palm	340.60
32 93 43 00-0691	EA	12' To 13' Roystonea regia - Royal Palm	402.53
32 93 43 00-0692	EA	14' To 15' Roystonea regia - Royal Palm	464.46
32 93 43 00-0693	EA	16' To 17' Roystonea regia - Royal Palm	526.38





MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 93 43 00-0694	EA 18' To 19' Roystonea regia - Royal Palm.....	588.31	
32 93 43 00-0695	EA 20' To 21' Roystonea regia - Royal Palm.....	650.24	
32 93 43 00-0696	EA 9' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	136.60	
32 93 43 00-0697	EA 11' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	227.68	
32 93 43 00-0698	EA 15' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	346.07	
32 93 43 00-0699	EA 17' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	391.60	
32 93 43 00-0700	EA 20' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	455.35	
32 93 43 00-0701	EA 4' To 5' Bauninia blakeana - Hong Kong Orchid.....	391.60	
32 93 43 00-0702	EA 6' Bauninia blakeana - Hong Kong Orchid.....	464.46	
32 93 43 00-0703	EA 8' Bauninia blakeana - Hong Kong Orchid.....	619.28	
32 93 43 00-0704	EA 10' Bauninia blakeana - Hong Kong Orchid.....	774.10	
32 93 43 00-0705	EA 4' To 5' Acacia baileyana - Bailey Acacia.....	198.66	
32 93 43 00-0706	EA 6' Acacia baileyana - Bailey Acacia.....	238.39	
32 93 43 00-0707	EA 8' Acacia baileyana - Bailey Acacia.....	278.12	
32 93 43 00-0708	EA 10' Acacia baileyana - Bailey Acacia.....	347.66	
32 93 43 00-0709	EA 6' Agonis flexuosa - Peppermint Tree.....	119.20	
32 93 43 00-0710	EA 8' Agonis flexuosa - Peppermint Tree.....	149.00	
32 93 43 00-0711	EA 10' Agonis flexuosa - Peppermint Tree.....	178.79	
32 93 43 00-0712	EA 24" Box Agonis flexuosa - Peppermint Tree.....	148.50	
32 93 43 00-0713	EA 6' Bauhinia purpurea - Purple Orchid Tree.....	491.78	
32 93 43 00-0714	EA 8' Bauhinia purpurea - Purple Orchid Tree.....	655.70	
32 93 43 00-0715	EA 10' Bauhinia purpurea - Purple Orchid Tree.....	819.63	
32 93 43 00-0716	EA 24" Box Bauhinia purpurea - Purple Orchid Tree.....	213.10	
32 93 43 00-0717	EA 6' Bauhinia variegata candida - White Orchid Tree.....	546.42	
32 93 43 00-0718	EA 8' Bauhinia variegata candida - White Orchid Tree.....	728.56	
32 93 43 00-0719	EA 10' Bauhinia variegata candida - White Orchid Tree.....	910.70	
32 93 43 00-0720	EA 6' Callistemon citrinus - Crimson or Lemon Bottle Brush.....	268.19	
32 93 43 00-0721	EA 8' Callistemon citrinus - Crimson or Lemon Bottle Brush.....	357.59	
32 93 43 00-0722	EA 10' Callistemon citrinus - Crimson or Lemon Bottle Brush.....	446.98	
32 93 43 00-0723	EA 6' Eriobotrya deflexa - Bronze Loquat.....	491.78	
32 93 43 00-0724	EA 8' Eriobotrya deflexa - Bronze Loquat.....	655.70	
32 93 43 00-0725	EA 10' Eriobotrya deflexa - Bronze Loquat.....	819.63	
32 93 43 00-0726	EA 6' Eucalyptus erythrocorys - Red Cap Gum.....	491.78	
32 93 43 00-0727	EA 8' Eucalyptus erythrocorys - Red Cap Gum.....	655.70	
32 93 43 00-0728	EA 10' Eucalyptus erythrocorys - Red Cap Gum.....	819.63	
32 93 43 00-0729	EA 6' Eucalyptus torquala - Coral Gum.....	491.78	
32 93 43 00-0730	EA 8' Eucalyptus torquala - Coral Gum.....	655.70	
32 93 43 00-0731	EA 10' Eucalyptus torquala - Coral Gum.....	819.63	
32 93 43 00-0732	EA 8' Fraxinus oxycarpa "Raywood" - Raywood Ash.....	278.12	
32 93 43 00-0733	EA 10' Fraxinus oxycarpa "Raywood" - Raywood Ash.....	377.45	
32 93 43 00-0734	EA 12' Fraxinus oxycarpa "Raywood" - Raywood Ash.....	466.85	
32 93 43 00-0735	EA 1 Gallon Washingtonia robusta - Mexican Fan Palm.....	8.36	
32 93 43 00-0736	EA 5 Gallon Washingtonia robusta - Mexican Fan Palm.....	26.02	
32 93 43 00-0737	EA 15 Gallon Washingtonia robusta - Mexican Fan Palm.....	91.06	
32 93 43 00-0738	EA 24" Box Washingtonia robusta - Mexican Fan Palm.....	297.33	
32 93 43 00-0739	EA 36" Box Washingtonia robusta - Mexican Fan Palm.....	789.78	
32 93 43 00-0740	EA 6' Washingtonia robusta - Mexican Fan Palm.....	491.78	
32 93 43 00-0741	EA 8' Washingtonia robusta - Mexican Fan Palm.....	655.70	
32 93 43 00-0742	EA 10' Washingtonia robusta - Mexican Fan Palm.....	819.63	
32 93 43 00-0743	EA 12' Washingtonia robusta - Mexican Fan Palm.....	983.56	
32 93 43 00-0744	EA 6' Olea europaea - Olive "Fruitless".....	303.10	
32 93 43 00-0745	EA 8' Olea europaea - Olive "Fruitless".....	404.14	
32 93 43 00-0746	EA 10' Olea europaea - Olive "Fruitless".....	505.17	
32 93 43 00-0747	EA 12' Olea europaea - Olive "Fruitless".....	606.20	
32 93 43 00-0748	EA 24" Box Olea europaea - Olive "Fruitless".....	372.70	
32 93 43 00-0749	EA 6' Eucalyptus polyanthemos - Silver Dollar Gum.....	491.78	
32 93 43 00-0750	EA 8' Eucalyptus polyanthemos - Silver Dollar Gum.....	655.70	
32 93 43 00-0751	EA 10' Eucalyptus polyanthemos - Silver Dollar Gum.....	819.63	
32 93 43 00-0752	EA 6' Eucalyptus leucoxydon - White Ironbark.....	491.78	
32 93 43 00-0753	EA 8' Eucalyptus leucoxydon - White Ironbark.....	655.70	
32 93 43 00-0754	EA 10' Eucalyptus leucoxydon - White Ironbark.....	819.63	
32 93 43 00-0755	EA 12' Eucalyptus leucoxydon - White Ironbark.....	983.56	
32 93 43 00-0756	EA 6' Callistemon viminalis - Weeping Bottle Brush.....	268.19	
32 93 43 00-0757	EA 8' Callistemon viminalis - Weeping Bottle Brush.....	357.59	
32 93 43 00-0758	EA 10' Callistemon viminalis - Weeping Bottle Brush.....	446.98	
32 93 43 00-0759	EA 12' Callistemon viminalis - Weeping Bottle Brush.....	536.38	
32 93 43 00-0760	EA 6' Eucalyptus gunnii - Cider Gum.....	491.78	
32 93 43 00-0761	EA 8' Eucalyptus gunnii - Cider Gum.....	655.70	
32 93 43 00-0762	EA 10' Eucalyptus gunnii - Cider Gum.....	819.63	
32 93 43 00-0763	EA 6' Jacarandra acutifolia - Jacaranda.....	491.78	
32 93 43 00-0764	EA 8' Jacarandra acutifolia - Jacaranda.....	655.70	
32 93 43 00-0765	EA 10' Jacarandra acutifolia - Jacaranda.....	819.63	
32 93 43 00-0766	EA 24" Box Jacarandra acutifolia - Jacaranda.....	213.10	
32 93 43 00-0767	EA 5 Gallon Pistacia chinensis - Chinese Pistache.....	32.79	
32 93 43 00-0768	EA 15 Gallon Pistacia chinensis - Chinese Pistache.....	109.28	
32 93 43 00-0769	EA 24" Box Pistacia chinensis - Chinese Pistache.....	424.39	
32 93 43 00-0770	EA 36" Box Pistacia chinensis - Chinese Pistache.....	1,129.27	
32 93 43 00-0771	EA 48" Box Pistacia chinensis - Chinese Pistache.....	2,404.25	
32 93 43 00-0772	EA 5 Gallon Pyrus kawakamii - Evergreen Pear, Single.....	18.48	
32 93 43 00-0773	EA 15 Gallon Pyrus kawakamii - Evergreen Pear, Single.....	61.58	
32 93 43 00-0774	EA 24" Box Pyrus kawakamii - Evergreen Pear, Single.....	231.44	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-0775	EA	30" Box Pyrus kawakamii - Evergreen Pear, Single	423.15
32 93 43 00-0776	EA	36" Box Pyrus kawakamii - Evergreen Pear, Single	615.85
32 93 43 00-0777	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Multi	18.48
32 93 43 00-0778	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Multi	65.56
32 93 43 00-0779	EA	24" Box Pyrus kawakamii - Evergreen Pear, Multi	238.39
32 93 43 00-0780	EA	30" Box Pyrus kawakamii - Evergreen Pear, Multi	423.15
32 93 43 00-0781	EA	36" Box Pyrus kawakamii - Evergreen Pear, Multi	615.85

**32 93 63 Specialty Plants** (32 93)**32 93 63 00-0001 Specialty Plants In Place** (32 93 63)

Note: Includes plant and placement for ground cover, ornamental annuals, perennials, ornamental shrubs: standard species and varieties and trees: Eucalyptus-20 species/varieties, Melaleuca Lepadendron, Prunus Persica, Olea Eurpoea, Tristania Conferta, Podocarpus Gracilior, Bauhinia Varigata, Ulmus Parvifolia, Platanus Acerifolia, Pinus Canariensis, Pinus Pinea, Pinus Halepensis, Prunus Persica "Helen Borcher", Cinnamomum Camphora, Magnolia Grandiflora, Ficus Nitida, Ficus Retusa, Ficus Benjamina, Ginkgo Biloba, Hymenosporum Flavum, Jacaranda Mimsifolia, Etc.

32 93 63 00-0002	EA	7 Gallon Trees And Ornamental Shrubs	184.84
32 93 63 00-0003	EA	10 Gallon Trees And Ornamental Shrubs	283.28
32 93 63 00-0004	EA	15 Gallon Trees And Ornamental Shrubs	371.71
32 93 63 00-0005	EA	20" Box Container Trees And Ornamental Shrubs	485.27
32 93 63 00-0006	EA	24" Box Container Trees And Ornamental Shrubs	674.30
32 93 63 00-0007	EA	30" Box Container Trees	1,335.15
32 93 63 00-0008	EA	36" Box Container Trees	2,075.35
32 93 63 00-0009	EA	48" Box Container Trees	4,306.63
32 93 63 00-0010	EA	60" Box Container Trees	7,123.72
32 93 63 00-0011	EA	72" Box Container Trees	11,933.42
32 93 63 00-0012	EA	1 Gallon Ground Cover, Ornamental Annuals, Perennials	33.10
32 93 63 00-0013	EA	2 Gallon Ground Cover, Ornamental Annuals, Perennials	66.44
32 93 63 00-0014	EA	3 Gallon Ground Cover, Ornamental Annuals, Perennials	76.78
32 93 63 00-0015	EA	5 Gallon Ground Cover, Ornamental Annuals, Perennials	104.39
32 93 63 00-0016	EA	"Flat" Size Ground Cover, Ornamental Annuals, Perennials	104.39

**32 93 83 Planting of Trees, Shrubs and Ground Cover** (32 93)

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

**32 93 83 00-0001 Planting Trees** (32 93 83)

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting	1.23
32 93 83 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting	1.99
32 93 83 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting	2.48
32 93 83 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting	3.97
32 93 83 00-0006	EA	1 Gallon Container Tree Planting	19.84
		For >10 To 25, Deduct	-0.99
		For >25 To 50, Deduct	-2.48
		For >50 To 100, Deduct	-3.97
		For >100, Deduct	-5.95
32 93 83 00-0007	EA	2 Gallon Container Tree Planting	27.77
		For >10 To 25, Deduct	-1.39
		For >25 To 50, Deduct	-3.47
		For >50 To 100, Deduct	-5.55
		For >100, Deduct	-8.33
32 93 83 00-0008	EA	3 Gallon Container Tree Planting	35.70
		For >10 To 25, Deduct	-1.79
		For >25 To 50, Deduct	-4.46
		For >50 To 100, Deduct	-7.14
		For >100, Deduct	-10.71
32 93 83 00-0009	EA	5 Gallon Container Tree Planting	59.51
		For >10 To 25, Deduct	-2.98
		For >25 To 50, Deduct	-7.44
		For >50 To 100, Deduct	-11.90
		For >100, Deduct	-17.85
32 93 83 00-0010	EA	7 Gallon Container Tree Planting	79.34
		For >10 To 25, Deduct	-3.97
		For >25 To 50, Deduct	-9.92
		For >50 To 100, Deduct	-15.87
		For >100, Deduct	-23.80
32 93 83 00-0011	EA	10 Gallon Container Tree Planting	103.15
		For >10 To 25, Deduct	-5.16
		For >25 To 50, Deduct	-12.89
		For >50 To 100, Deduct	-20.63
		For >100, Deduct	-30.95
32 93 83 00-0012	EA	15 Gallon Container Tree Planting	146.79
		For >10 To 25, Deduct	-7.34
		For >25 To 50, Deduct	-18.35
		For >50 To 100, Deduct	-29.36
		For >100, Deduct	-44.04
32 93 83 00-0013	EA	20 Gallon Container Tree Planting	242.01
		For >10 To 25, Deduct	-12.10
		For >25 To 50, Deduct	-30.25
		For >50 To 100, Deduct	-48.40
		For >100, Deduct	-72.60



<b>Exterior Improvements</b>		<b>32</b>
Planting		32 90
Plants		32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0014 EA 25 Gallon Container Tree Planting.....	313.42	
For >10 To 25, Deduct	-15.67	
For >25 To 50, Deduct	-39.18	
For >50 To 100, Deduct	-62.68	
For >100, Deduct	-94.03	
32 93 83 00-0015 EA 30 Gallon Container Tree Planting.....	376.90	
For >10 To 25, Deduct	-18.85	
For >25 To 50, Deduct	-47.11	
For >50 To 100, Deduct	-75.38	
For >100, Deduct	-113.07	
32 93 83 00-0016 EA 45 Gallon Container Tree Planting.....	468.15	
For >10 To 25, Deduct	-23.41	
For >25 To 50, Deduct	-58.52	
For >50 To 100, Deduct	-93.63	
For >100, Deduct	-140.45	
32 93 83 00-0017 EA 65 Gallon Container Tree Planting.....	555.43	
For >10 To 25, Deduct	-27.77	
For >25 To 50, Deduct	-69.43	
For >50 To 100, Deduct	-111.09	
For >100, Deduct	-166.63	
32 93 83 00-0018 EA 6' Balled And Burlapped Tree Planting .....	198.37	
For >10 To 25, Deduct	-9.92	
For >25 To 50, Deduct	-24.80	
For >50 To 100, Deduct	-39.67	
For >100, Deduct	-59.51	
32 93 83 00-0019 EA 7' Balled And Burlapped Tree Planting .....	264.23	
For >10 To 25, Deduct	-13.21	
For >25 To 50, Deduct	-33.03	
For >50 To 100, Deduct	-52.85	
For >100, Deduct	-79.27	
32 93 83 00-0020 EA 8' Balled And Burlapped Tree Planting .....	297.55	
For >10 To 25, Deduct	-14.88	
For >25 To 50, Deduct	-37.19	
For >50 To 100, Deduct	-59.51	
For >100, Deduct	-89.27	
32 93 83 00-0021 EA 10' Balled And Burlapped Tree Planting .....	347.15	
For >10 To 25, Deduct	-17.36	
For >25 To 50, Deduct	-43.39	
For >50 To 100, Deduct	-69.43	
For >100, Deduct	-104.15	
32 93 83 00-0022 EA 12' Balled And Burlapped Tree Planting .....	464.18	
For >10 To 25, Deduct	-23.21	
For >25 To 50, Deduct	-58.02	
For >50 To 100, Deduct	-92.84	
For >100, Deduct	-139.25	
32 93 83 00-0023 EA 14' Balled And Burlapped Tree Planting .....	531.63	
For >10 To 25, Deduct	-26.58	
For >25 To 50, Deduct	-66.45	
For >50 To 100, Deduct	-106.33	
For >100, Deduct	-159.49	
32 93 83 00-0024 EA 16' Balled And Burlapped Tree Planting .....	644.70	
For >10 To 25, Deduct	-32.24	
For >25 To 50, Deduct	-80.59	
For >50 To 100, Deduct	-128.94	
For >100, Deduct	-193.41	
32 93 83 00-0025 EA 18' Balled And Burlapped Tree Planting .....	773.64	
For >10 To 25, Deduct	-38.68	
For >25 To 50, Deduct	-96.71	
For >50 To 100, Deduct	-154.73	
For >100, Deduct	-232.09	
32 93 83 00-0026 EA 20' Balled And Burlapped Tree Planting .....	892.66	
For >10 To 25, Deduct	-44.63	
For >25 To 50, Deduct	-111.58	
For >50 To 100, Deduct	-178.53	
For >100, Deduct	-267.80	
32 93 83 00-0027 EA 1-1/2" Caliper Balled And Burlapped Tree Planting .....	297.55	
For >10 To 25, Deduct	-14.88	
For >25 To 50, Deduct	-37.19	
For >50 To 100, Deduct	-59.51	
For >100, Deduct	-89.27	
32 93 83 00-0028 EA 2" Caliper Balled And Burlapped Tree Planting .....	347.15	
For >10 To 25, Deduct	-17.36	
For >25 To 50, Deduct	-43.39	
For >50 To 100, Deduct	-69.43	
For >100, Deduct	-104.15	
32 93 83 00-0029 EA 2-1/2" Caliper Balled And Burlapped Tree Planting .....	466.17	
For >10 To 25, Deduct	-23.31	
For >25 To 50, Deduct	-58.27	
For >50 To 100, Deduct	-93.23	
For >100, Deduct	-139.85	
32 93 83 00-0030 EA 3" Caliper Balled And Burlapped Tree Planting .....	535.59	
For >10 To 25, Deduct	-26.78	
For >25 To 50, Deduct	-66.95	
For >50 To 100, Deduct	-107.12	
For >100, Deduct	-160.68	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0031 EA 3-1/2" Caliper Balled And Burlapped Tree Planting .....	595.11	
For >10 To 25, Deduct	-29.76	
For >25 To 50, Deduct	-74.39	
For >50 To 100, Deduct	-119.02	
For >100, Deduct	-178.53	
32 93 83 00-0032 EA 4" Caliper Balled And Burlapped Tree Planting .....	682.38	
For >10 To 25, Deduct	-34.12	
For >25 To 50, Deduct	-85.30	
For >50 To 100, Deduct	-136.48	
For >100, Deduct	-204.71	
32 93 83 00-0033 EA 24" Box Container Tree Planting.....	103.15	
For >10 To 25, Deduct	-5.16	
For >25 To 50, Deduct	-12.89	
For >50 To 100, Deduct	-20.63	
For >100, Deduct	-30.95	
32 93 83 00-0034 EA 36" Box Container Tree Planting.....	313.42	
For >10 To 25, Deduct	-15.67	
For >25 To 50, Deduct	-39.18	
For >50 To 100, Deduct	-62.68	
For >100, Deduct	-94.03	
32 93 83 00-0035 EA 48" Box Container Tree Planting.....	555.43	
For >10 To 25, Deduct	-27.77	
For >25 To 50, Deduct	-69.43	
For >50 To 100, Deduct	-111.09	
For >100, Deduct	-166.63	
32 93 83 00-0036 EA 60" Box Container Tree Planting.....	658.58	
For >10 To 25, Deduct	-32.93	
For >25 To 50, Deduct	-82.32	
For >50 To 100, Deduct	-131.72	
For >100, Deduct	-197.57	
32 93 83 00-0037 EA 72" Box Container Tree Planting.....	793.48	
For >10 To 25, Deduct	-39.67	
For >25 To 50, Deduct	-99.19	
For >50 To 100, Deduct	-158.70	
For >100, Deduct	-238.04	
<b>32 93 83 00-0038 Planting Shrubs <small>(32 93 83)</small></b>		
Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0039 EA 1 Gallon Container Shrub Planting.....	16.87	
For >10 To 25, Deduct	-0.84	
For >25 To 50, Deduct	-2.11	
For >50 To 100, Deduct	-3.37	
For >100, Deduct	-5.06	
32 93 83 00-0040 EA 2 Gallon Container Shrub Planting.....	23.80	
For >10 To 25, Deduct	-1.19	
For >25 To 50, Deduct	-2.98	
For >50 To 100, Deduct	-4.76	
For >100, Deduct	-7.14	
32 93 83 00-0041 EA 3 Gallon Container Shrub Planting.....	29.76	
For >10 To 25, Deduct	-1.49	
For >25 To 50, Deduct	-3.72	
For >50 To 100, Deduct	-5.95	
For >100, Deduct	-8.93	
32 93 83 00-0042 EA 4 Gallon Container Shrub Planting.....	39.68	
For >10 To 25, Deduct	-1.98	
For >25 To 50, Deduct	-4.96	
For >50 To 100, Deduct	-7.94	
For >100, Deduct	-11.90	
32 93 83 00-0043 EA 5 Gallon Container Shrub Planting.....	49.60	
For >10 To 25, Deduct	-2.48	
For >25 To 50, Deduct	-6.20	
For >50 To 100, Deduct	-9.92	
For >100, Deduct	-14.88	
32 93 83 00-0044 EA 7 Gallon Container Shrub Planting.....	67.45	
For >10 To 25, Deduct	-3.37	
For >25 To 50, Deduct	-8.43	
For >50 To 100, Deduct	-13.49	
For >100, Deduct	-20.24	
32 93 83 00-0045 EA 10 Gallon Container Shrub Planting.....	89.26	
For >10 To 25, Deduct	-4.46	
For >25 To 50, Deduct	-11.16	
For >50 To 100, Deduct	-17.85	
For >100, Deduct	-26.78	
32 93 83 00-0046 EA 15 Gallon Container Shrub Planting.....	122.99	
For >10 To 25, Deduct	-6.15	
For >25 To 50, Deduct	-15.37	
For >50 To 100, Deduct	-24.60	
For >100, Deduct	-36.90	
32 93 83 00-0047 EA 20 Gallon Container Shrub Planting.....	206.31	
For >10 To 25, Deduct	-10.32	
For >25 To 50, Deduct	-25.79	
For >50 To 100, Deduct	-41.26	
For >100, Deduct	-61.89	



<b>Exterior Improvements</b>		<b>32</b>
Planting		32 90
Plants		32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0048 EA 25 Gallon Container Shrub Planting .....	264.23	
For >10 To 25, Deduct	-13.21	
For >25 To 50, Deduct	-33.03	
For >50 To 100, Deduct	-52.85	
For >100, Deduct	-79.27	
32 93 83 00-0049 EA 15" Balled And Burlapped Shrub Planting .....	55.54	
For >10 To 25, Deduct	-2.78	
For >25 To 50, Deduct	-6.94	
For >50 To 100, Deduct	-11.11	
For >100, Deduct	-16.66	
32 93 83 00-0050 EA 18" Balled And Burlapped Shrub Planting .....	57.53	
For >10 To 25, Deduct	-2.88	
For >25 To 50, Deduct	-7.19	
For >50 To 100, Deduct	-11.51	
For >100, Deduct	-17.26	
32 93 83 00-0051 EA 24" Balled And Burlapped Shrub Planting .....	63.48	
For >10 To 25, Deduct	-3.17	
For >25 To 50, Deduct	-7.94	
For >50 To 100, Deduct	-12.70	
For >100, Deduct	-19.04	
32 93 83 00-0052 EA 30" Balled And Burlapped Shrub Planting .....	63.48	
For >10 To 25, Deduct	-3.17	
For >25 To 50, Deduct	-7.94	
For >50 To 100, Deduct	-12.70	
For >100, Deduct	-19.04	
32 93 83 00-0053 EA 36" Balled And Burlapped Shrub Planting .....	69.43	
For >10 To 25, Deduct	-3.47	
For >25 To 50, Deduct	-8.68	
For >50 To 100, Deduct	-13.89	
For >100, Deduct	-20.83	
32 93 83 00-0054 EA 42" Balled And Burlapped Shrub Planting .....	73.40	
For >10 To 25, Deduct	-3.67	
For >25 To 50, Deduct	-9.18	
For >50 To 100, Deduct	-14.68	
For >100, Deduct	-22.02	
32 93 83 00-0055 EA 48" Balled And Burlapped Shrub Planting .....	79.34	
For >10 To 25, Deduct	-3.97	
For >25 To 50, Deduct	-9.92	
For >50 To 100, Deduct	-15.87	
For >100, Deduct	-23.80	
32 93 83 00-0056 EA 5' Balled And Burlapped Shrub Planting .....	119.02	
For >10 To 25, Deduct	-5.95	
For >25 To 50, Deduct	-14.88	
For >50 To 100, Deduct	-23.80	
For >100, Deduct	-35.71	
32 93 83 00-0057 EA 6' Balled And Burlapped Shrub Planting .....	168.62	
For >10 To 25, Deduct	-8.43	
For >25 To 50, Deduct	-21.08	
For >50 To 100, Deduct	-33.72	
For >100, Deduct	-50.59	
32 93 83 00-0058 EA 7' Balled And Burlapped Shrub Planting .....	224.16	
For >10 To 25, Deduct	-11.21	
For >25 To 50, Deduct	-28.02	
For >50 To 100, Deduct	-44.83	
For >100, Deduct	-67.25	
32 93 83 00-0059 EA 8' Balled And Burlapped Shrub Planting .....	253.92	
For >10 To 25, Deduct	-12.70	
For >25 To 50, Deduct	-31.74	
For >50 To 100, Deduct	-50.78	
For >100, Deduct	-76.18	
32 93 83 00-0060 EA 9' Balled And Burlapped Shrub Planting .....	273.75	
For >10 To 25, Deduct	-13.69	
For >25 To 50, Deduct	-34.22	
For >50 To 100, Deduct	-54.75	
For >100, Deduct	-82.13	
32 93 83 00-0061 EA 10' Balled And Burlapped Shrub Planting .....	297.55	
For >10 To 25, Deduct	-14.88	
For >25 To 50, Deduct	-37.19	
For >50 To 100, Deduct	-59.51	
For >100, Deduct	-89.27	
<b>32 93 83 00-0062 Planting Groundcover, Vines, Perennials, Annuals And Bulbs</b> <small>(32 93 83)</small>		
See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0063 EA 2-1/4" Diameter Potted Groundcover And Flower Planting .....	1.66	
For >10 To 25, Deduct	-0.08	
For >25 To 50, Deduct	-0.21	
For >50 To 100, Deduct	-0.33	
For >100, Deduct	-0.50	
32 93 83 00-0064 EA 3" Diameter Potted Groundcover And Flower Planting .....	1.89	
For >10 To 25, Deduct	-0.09	
For >25 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.38	
For >100, Deduct	-0.57	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0065 EA 4" Diameter Potted Groundcover And Flower Planting .....	2.21	
For >10 To 25, Deduct	-0.11	
For >25 To 50, Deduct	-0.28	
For >50 To 100, Deduct	-0.44	
For >100, Deduct	-0.66	
32 93 83 00-0066 EA 5-1/2" Diameter Potted Groundcover And Flower Planting .....	2.64	
For >10 To 25, Deduct	-0.13	
For >25 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.53	
For >100, Deduct	-0.79	
32 93 83 00-0067 EA 6" Diameter Potted Groundcover And Flower Planting .....	3.30	
For >10 To 25, Deduct	-0.17	
For >25 To 50, Deduct	-0.41	
For >50 To 100, Deduct	-0.66	
For >100, Deduct	-0.99	
32 93 83 00-0068 EA 8" Diameter Potted Groundcover And Flower Planting .....	4.96	
For >10 To 25, Deduct	-0.25	
For >25 To 50, Deduct	-0.62	
For >50 To 100, Deduct	-0.99	
For >100, Deduct	-1.49	
32 93 83 00-0069 EA 1 Gallon Container Groundcover And Flower Planting .....	15.87	
For >10 To 25, Deduct	-0.79	
For >25 To 50, Deduct	-1.98	
For >50 To 100, Deduct	-3.17	
For >100, Deduct	-4.76	
32 93 83 00-0070 EA 2 Gallon Container Groundcover And Flower Planting .....	21.82	
For >10 To 25, Deduct	-1.09	
For >25 To 50, Deduct	-2.73	
For >50 To 100, Deduct	-4.36	
For >100, Deduct	-6.55	
32 93 83 00-0071 EA 3 Gallon Container Groundcover And Flower Planting .....	27.77	
For >10 To 25, Deduct	-1.39	
For >25 To 50, Deduct	-3.47	
For >50 To 100, Deduct	-5.55	
For >100, Deduct	-8.33	
32 93 83 00-0072 EA 4 Gallon Container Groundcover And Flower Planting .....	35.70	
For >10 To 25, Deduct	-1.79	
For >25 To 50, Deduct	-4.46	
For >50 To 100, Deduct	-7.14	
For >100, Deduct	-10.71	
32 93 83 00-0073 EA 5 Gallon Container Groundcover And Flower Planting .....	43.64	
For >10 To 25, Deduct	-2.18	
For >25 To 50, Deduct	-5.46	
For >50 To 100, Deduct	-8.73	
For >100, Deduct	-13.09	
32 93 83 00-0074 EA 7 Gallon Container Groundcover And Flower Planting .....	59.51	
For >10 To 25, Deduct	-2.98	
For >25 To 50, Deduct	-7.44	
For >50 To 100, Deduct	-11.90	
For >100, Deduct	-17.85	
32 93 83 00-0075 EA Bulb Planting.....	0.99	
For >10 To 25, Deduct	-0.05	
For >25 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.20	
For >100, Deduct	-0.30	
32 93 83 00-0076 EA Flats Of 24 Groundcover And Flower Planting.....	27.77	
For >10 To 25, Deduct	-1.39	
For >25, Deduct	-3.47	
32 93 83 00-0077 EA Flats Of 36 Groundcover And Flower Planting.....	39.39	
For >10 To 25, Deduct	-1.97	
For >25, Deduct	-4.92	
32 93 83 00-0078 EA Flats Of 48 Groundcover And Flower Planting.....	52.44	
For >10 To 25, Deduct	-2.62	
For >25, Deduct	-6.56	

**32 93 83 00-0079 Tree Pits (32 93 83)**

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

32 93 83 00-0080 EA 2' x 1-1/4' Deep Tree Pit .....	128.73
32 93 83 00-0081 EA 2' x 2-1/2' Deep Tree Pit .....	193.05
32 93 83 00-0082 EA 2-1/2' x 1-1/2' Deep Tree Pit .....	247.90
32 93 83 00-0083 EA 2-1/2' x 3' Deep Tree Pit .....	371.79
32 93 83 00-0084 EA 3' x 1-3/4' Deep Tree Pit .....	385.35
32 93 83 00-0085 EA 3' x 3-1/2' Deep Tree Pit .....	575.39
32 93 83 00-0086 EA 3-1/2' x 1-3/4' Deep Tree Pit .....	473.80
32 93 83 00-0087 EA 3-1/2' x 3-1/2' Deep Tree Pit .....	709.84
32 93 83 00-0088 EA 4' x 2' Deep Tree Pit.....	566.98
32 93 83 00-0089 EA 4' x 4' Deep Tree Pit.....	850.06
32 93 83 00-0090 EA 4-1/2' x 2' Deep Tree Pit .....	818.98
32 93 83 00-0091 EA 4-1/2' x 4' Deep Tree Pit .....	1,230.57
32 93 83 00-0092 EA 5' x 2-1/4' Deep Tree Pit .....	1,089.27
32 93 83 00-0093 EA 5' x 4-1/2' Deep Tree Pit .....	1,623.91



		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Plants	32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0094	EA		6' x 2-1/2' Deep Tree Pit .....	1,544.67	
32 93 83 00-0095	EA		6' x 5' Deep Tree Pit .....	2,314.01	
32 93 83 00-0096	EA		7' x 3' Deep Tree Pit .....	2,603.90	
32 93 83 00-0097	EA		7' x 6' Deep Tree Pit .....	3,924.04	
32 93 83 00-0098	EA		8' x 3-1/4' Deep Tree Pit .....	3,586.90	
32 93 83 00-0099	EA		8' x 6-1/2' Deep Tree Pit .....	5,378.35	

**32 94 Planting Accessories** (32 94)

**32 94 13 Landscape Edging** (32 94)

Note: Including stakes.

**32 94 13 00-0001 Landscape Edging** (32 94 13)

Note: Includes stakes.

32 94 13 00-0002	LF		6" Poly/Vinyl Landscape Edging With Non-Round Top.....	5.39	1.02
			<i>For &gt;2,000 To 5,000 LF, Deduct</i>	-0.34	
			<i>For &gt;5,000 LF, Deduct</i>	-0.67	
32 94 13 00-0003	LF		5" Polyethylene Landscape Edging With Round Top.....	3.09	1.02
			<i>For &gt;2,000 To 5,000 LF, Deduct</i>	-0.11	
			<i>For &gt;5,000 LF, Deduct</i>	-0.21	
32 94 13 00-0004	LF		5-1/2" Polyethylene Landscape Edging With Round Top .....	3.15	1.02
			<i>For &gt;2,000 To 5,000 LF, Deduct</i>	-0.11	
			<i>For &gt;5,000 LF, Deduct</i>	-0.22	
32 94 13 00-0005	LF		5" Polyethylene Landscape Edging With Corrugated Sides And Round Top .....	3.18	1.02
			<i>For &gt;2,000 To 5,000 LF, Deduct</i>	-0.11	
			<i>For &gt;5,000 LF, Deduct</i>	-0.23	
32 94 13 00-0006	LF		1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging .....	9.08	2.41
			<i>For &gt;1,000 LF, Deduct</i>	-1.07	
32 94 13 00-0007	LF		1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging .....	9.96	2.41
			<i>For &gt;1,000 LF, Deduct</i>	-1.29	
32 94 13 00-0008	LF		1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	10.02	2.41
			<i>For &gt;1,000 LF, Deduct</i>	-1.30	
32 94 13 00-0009	LF		3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging .....	11.55	2.49
			<i>For &gt;1,000 LF, Deduct</i>	-1.65	
32 94 13 00-0010	LF		3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging .....	12.64	2.49
			<i>For &gt;1,000 LF, Deduct</i>	-1.93	
32 94 13 00-0011	LF		3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	12.61	2.49
			<i>For &gt;1,000 LF, Deduct</i>	-1.92	
32 94 13 00-0012	LF		1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging .....	10.22	2.57
			<i>For &gt;1,000 LF, Deduct</i>	-1.29	
32 94 13 00-0013	LF		1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging .....	11.43	2.57
			<i>For &gt;1,000 LF, Deduct</i>	-1.59	
32 94 13 00-0014	LF		1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging .....	11.55	2.57
			<i>For &gt;1,000 LF, Deduct</i>	-1.62	
32 94 13 00-0015	LF		3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging.....	13.05	2.65
			<i>For &gt;1,000 LF, Deduct</i>	-1.96	
32 94 13 00-0016	LF		3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging .....	14.26	2.65
			<i>For &gt;1,000 LF, Deduct</i>	-2.26	
32 94 13 00-0017	LF		3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging .....	14.36	2.65
			<i>For &gt;1,000 LF, Deduct</i>	-2.29	
32 94 13 00-0018	LF		1/8" x 4" Powder Coated Steel Landscape Edging.....	9.68	2.49
			<i>For &gt;1,000 LF, Deduct</i>	-1.17	
32 94 13 00-0019	LF		3/16" x 4" Powder Coated Steel Landscape Edging.....	11.46	2.49
			<i>For &gt;1,000 LF, Deduct</i>	-1.62	
32 94 13 00-0020	LF		1/4" x 5" Powder Coated Steel Landscape Edging.....	16.24	2.49
			<i>For &gt;1,000 LF, Deduct</i>	-2.81	
32 94 13 00-0021	LF		1/2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board).....	7.15	2.41
			<i>For &gt;1,000 LF, Deduct</i>	-0.59	
32 94 13 00-0022	LF		1" x 4", Recycled Plastic Landscape Edging (Bend-A-Board).....	8.21	2.41
			<i>For &gt;1,000 LF, Deduct</i>	-0.85	
32 94 13 00-0023	LF		1" x 6", Recycled Plastic Landscape Edging (Bend-A-Board).....	9.15	2.41
			<i>For &gt;1,000 LF, Deduct</i>	-1.09	
32 94 13 00-0024	LF		2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board).....	9.34	2.41
			<i>For &gt;1,000 LF, Deduct</i>	-1.13	

**32 94 16 Landscape Timbers** (32 94)

32 94 16 00-0001	LF		1" x 4" Redwood Edging .....	4.92	1.62
32 94 16 00-0002	LF		2" x 4" Redwood Edging .....	6.72	2.43
32 94 16 00-0003	LF		4" x 6" Pressure Treated Hardwood .....	9.47	3.24
32 94 16 00-0004	LF		6" x 6" Pressure Treated Hardwood .....	12.36	4.05
32 94 16 00-0005	LF		6" x 8" Pressure Treated Hardwood .....	14.40	4.75
32 94 16 00-0006	LF		1" x 4" Pressure Treated Pine.....	3.76	1.62
32 94 16 00-0007	LF		2" x 4" Pressure Treated Pine.....	5.67	2.43
32 94 16 00-0008	LF		4" x 6" Pressure Treated Pine.....	9.00	3.14
32 94 16 00-0009	LF		6" x 6" Pressure Treated Pine.....	12.26	4.05
32 94 16 00-0010	LF		6" x 8" Pressure Treated Pine.....	15.00	4.75
32 94 16 00-0011	LF		6" x 8" Railroad Ties .....	14.06	4.54
32 94 16 00-0012	LF		7" x 9" Railroad Ties .....	16.91	5.69

**32 94 23 Plant Protection** (32 94)

**32 Exterior Improvements****32 90 Planting****32 94 Planting Accessories**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 94 23 00-0001 SF Tree Trunk Protection - Hardware Cloth 1/4" Mesh, 23 Gauge.....2.30

**32 94 43 Tree Grates (32 94)**

32 94 43 00-0001 Tree Grates With Frames (32 94 43)

32 94 43 00-0002 Round Cast Iron Tree Grates With Frames (32 94 43 00-0001)

32 94 43 00-0003	EA 32" Diameter, 100 To 150 LB Cast Iron Tree Gate With Frame .....	979.30	59.62
	For >3 To 9, Deduct	-64.50	
	For >9, Deduct	-133.31	
32 94 43 00-0004	EA 36" Diameter, 125 To 175 LB Cast Iron Tree Gate With Frame .....	1,135.66	59.62
	For >3 To 9, Deduct	-76.23	
	For >9, Deduct	-157.55	
32 94 43 00-0005	EA 42" Diameter, 150 To 200 LB Cast Iron Tree Gate With Frame .....	1,370.88	79.50
	For >3 To 9, Deduct	-90.89	
	For >9, Deduct	-187.84	
32 94 43 00-0006	EA 48" Diameter, 200 To 250 LB Cast Iron Tree Gate With Frame .....	1,711.22	79.50
	For >3 To 9, Deduct	-116.42	
	For >9, Deduct	-240.60	
32 94 43 00-0007	EA 54" Diameter, 300 To 350 LB Cast Iron Tree Gate With Frame .....	2,194.78	99.37
	For >3 To 9, Deduct	-149.70	
	For >9, Deduct	-309.39	
32 94 43 00-0008	EA 60" Diameter, Up To 350 LB Cast Iron Tree Gate With Frame .....	2,298.91	119.24
	For >3 To 9, Deduct	-154.53	
	For >9, Deduct	-319.37	
32 94 43 00-0009	EA 60" Diameter, >350 LB Cast Iron Tree Gate With Frame .....	2,535.77	119.24
	For >3 To 9, Deduct	-172.30	
	For >9, Deduct	-356.08	
32 94 43 00-0010	EA 72" Diameter, Up To 550 LB Cast Iron Tree Gate With Frame .....	3,373.31	168.93
	For >3 To 9, Deduct	-227.66	
	For >9, Deduct	-470.50	
32 94 43 00-0011	EA 72" Diameter, >500 To 550 LB Cast Iron Tree Gate With Frame .....	3,511.29	168.93
	For >3 To 9, Deduct	-238.01	
	For >9, Deduct	-491.88	
32 94 43 00-0012	EA 72" Diameter, >600 To 650 LB Cast Iron Tree Gate With Frame .....	3,626.27	168.93
	For >3 To 9, Deduct	-246.63	
	For >9, Deduct	-509.71	
32 94 43 00-0013	EA 72" Diameter, >650 To 700 LB Cast Iron Tree Gate With Frame .....	3,718.25	168.93
	For >3 To 9, Deduct	-253.53	
	For >9, Deduct	-523.96	
32 94 43 00-0014	EA 72" Diameter, >700 LB Cast Iron Tree Gate With Frame .....	3,787.24	168.93
	For >3 To 9, Deduct	-258.71	
	For >9, Deduct	-534.66	
32 94 43 00-0015	EA 93" Diameter, 950 To 1,000 LB Cast Iron Tree Gate With Frame .....	4,150.42	198.73
	For >3 To 9, Deduct	-281.47	
	For >9, Deduct	-581.71	

32 94 43 00-0016 Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)

32 94 43 00-0017	EA 30" x 30", 75 To 125 LB Cast Iron Tree Gate With Frame .....	901.10	59.62
	For >3 To 9, Deduct	-58.64	
	For >9, Deduct	-121.19	
32 94 43 00-0018	EA 36" x 36", 100 To 150 LB Cast Iron Tree Gate With Frame .....	1,096.57	59.62
	For >3 To 9, Deduct	-73.30	
	For >9, Deduct	-151.49	
32 94 43 00-0019	EA 48" x 48", Up To 200 LB Cast Iron Tree Gate With Frame .....	1,624.48	99.37
	For >3 To 9, Deduct	-106.93	
	For >9, Deduct	-220.99	
32 94 43 00-0020	EA 48" x 48", >200 To 250 LB Cast Iron Tree Gate With Frame .....	1,923.43	99.37
	For >3 To 9, Deduct	-129.35	
	For >9, Deduct	-267.33	
32 94 43 00-0021	EA 48" x 48", >250 To 300 LB Cast Iron Tree Gate With Frame .....	2,199.38	99.37
	For >3 To 9, Deduct	-150.05	
	For >9, Deduct	-310.10	
32 94 43 00-0022	EA 48" x 48", >300 To 350 LB Cast Iron Tree Gate With Frame .....	2,452.34	99.37
	For >3 To 9, Deduct	-169.02	
	For >9, Deduct	-349.31	
32 94 43 00-0023	EA 48" x 48", >350 To 400 LB Cast Iron Tree Gate With Frame .....	2,682.30	99.37
	For >3 To 9, Deduct	-186.27	
	For >9, Deduct	-384.95	
32 94 43 00-0024	EA 48" x 48", >400 LB Cast Iron Tree Gate With Frame .....	2,889.26	99.37
	For >3 To 9, Deduct	-201.79	
	For >9, Deduct	-417.03	
32 94 43 00-0025	EA 60" x 60", Up To 400 LB Cast Iron Tree Gate With Frame .....	2,761.80	139.12
	For >3 To 9, Deduct	-186.27	
	For >9, Deduct	-384.95	
32 94 43 00-0026	EA 60" x 60", >400 To 450 LB Cast Iron Tree Gate With Frame .....	2,968.76	139.12
	For >3 To 9, Deduct	-201.79	
	For >9, Deduct	-417.03	
32 94 43 00-0027	EA 60" x 60", >450 To 500 LB Cast Iron Tree Gate With Frame .....	3,152.73	139.12
	For >3 To 9, Deduct	-215.59	
	For >9, Deduct	-445.55	





<b>Exterior Improvements</b>	<b>32</b>
Planting	32 90
Planting Accessories	32 94

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0028 EA 60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame.....	3,313.70	139.12
For >3 To 9, Deduct	-227.66	
For >9, Deduct	-470.50	
32 94 43 00-0029 EA 60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame.....	3,451.68	139.12
For >3 To 9, Deduct	-238.01	
For >9, Deduct	-491.88	
32 94 43 00-0030 EA 60" x 60", >600 LB Cast Iron Tree Grate With Frame.....	3,566.66	139.12
For >3 To 9, Deduct	-246.63	
For >9, Deduct	-509.71	
32 94 43 00-0031 EA 72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame.....	3,373.31	168.93
For >3 To 9, Deduct	-227.66	
For >9, Deduct	-470.50	
32 94 43 00-0032 EA 72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame.....	3,511.29	168.93
For >3 To 9, Deduct	-238.01	
For >9, Deduct	-491.88	
32 94 43 00-0033 EA 72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame.....	3,626.27	168.93
For >3 To 9, Deduct	-246.63	
For >9, Deduct	-509.71	
32 94 43 00-0034 EA 72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame.....	3,718.25	168.93
For >3 To 9, Deduct	-253.53	
For >9, Deduct	-523.96	
32 94 43 00-0035 EA 72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame.....	3,787.24	168.93
For >3 To 9, Deduct	-258.71	
For >9, Deduct	-534.66	
32 94 43 00-0036 EA 72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame.....	3,833.23	168.93
For >3 To 9, Deduct	-262.15	
For >9, Deduct	-541.79	
32 94 43 00-0037 EA 72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame.....	3,856.23	168.93
For >3 To 9, Deduct	-263.88	
For >9, Deduct	-545.35	
32 94 43 00-0038 EA 72" x 72", >850 LB Cast Iron Tree Grate With Frame.....	3,879.22	168.93
For >3 To 9, Deduct	-265.60	
For >9, Deduct	-548.91	
<b>32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames (32 94 43 00-0001)</b>		
32 94 43 00-0040 EA 36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame.....	1,711.22	79.50
For >3 To 9, Deduct	-116.42	
For >9, Deduct	-240.60	
32 94 43 00-0041 EA 36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame.....	1,745.71	79.50
For >3 To 9, Deduct	-119.00	
For >9, Deduct	-245.94	
32 94 43 00-0042 EA 36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame.....	2,132.69	99.37
For >3 To 9, Deduct	-145.05	
For >9, Deduct	-299.76	
32 94 43 00-0043 EA 48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame.....	2,516.73	99.37
For >3 To 9, Deduct	-173.85	
For >9, Deduct	-359.29	
32 94 43 00-0044 EA 48" x 72", >350 LB Cast Iron Tree Grate With Frame.....	2,682.30	99.37
For >3 To 9, Deduct	-186.27	
For >9, Deduct	-384.95	
32 94 43 00-0045 EA 60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame.....	3,580.28	168.93
For >3 To 9, Deduct	-243.18	
For >9, Deduct	-502.58	
<b>32 94 49 Plant and Tree Accessories (32 94)</b>		
<b>32 94 49 00-0001 Tree Guying (32 94 49)</b>		
<b>32 94 49 00-0002 Tree Guying, Stakes (32 94 49 00-0001)</b>		
Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.		
32 94 49 00-0003 EA Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap.....	25.03	
32 94 49 00-0004 EA Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap.....	42.21	
32 94 49 00-0005 EA Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap.....	72.68	
<b>32 94 49 00-0006 Tree Guying, Anchors (32 94 49 00-0001)</b>		
Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.		
32 94 49 00-0007 EA Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope.....	109.04	
32 94 49 00-0008 EA Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope.....	147.56	
32 94 49 00-0009 EA Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope.....	190.96	
32 94 49 00-0010 EA Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope.....	243.70	
<b>32 94 49 00-0011 Tree Wrap (32 94 49)</b>		
32 94 49 00-0012 EA Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree.....	6.08	
32 94 49 00-0013 EA Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree.....	10.16	
32 94 49 00-0014 EA Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree.....	20.25	
32 94 49 00-0015 EA Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree.....	31.62	
<b>32 94 49 00-0016 Tree Guards (32 94 49)</b>		
32 94 49 00-0017 EA 3' Preformed Plastic Tree Guard.....	9.91	

**32 Exterior Improvements****32 90 Planting****32 94 Planting Accessories**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 94 49 00-0018	EA	2' Preformed Plastic Tree Guard.....			9.12
<b>32 94 49 00-0019</b>		<b>Stake Out Tree And Shrub Locations</b> <small>(32 94 49)</small>			
		Note: When no design available.			
32 94 49 00-0020	EA	Stake Out Trees Or Shrubs .....			6.05
<b>32 94 49 00-0021</b>		<b>Root Barriers</b> <small>(32 94 49)</small>			
32 94 49 00-0022	EA	12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....			11.45
32 94 49 00-0023	EA	18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....			16.42
32 94 49 00-0024	EA	24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....			19.44
32 94 49 00-0025	EA	36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....			36.84
32 94 49 00-0026	EA	48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....			51.05
<b>32 96</b>		<b>Transplanting</b> <small>(32 96)</small>			
		See CSI section 32 94 49 00-0001 for guying.			
<b>32 96 33</b>		<b>Shrub Transplanting</b> <small>(32 96)</small>			
		Note: Includes digging up, moving on site, digging new hole and replanting.			
<b>32 96 33 00-0001</b>		<b>Moving Shrubs On Site, Relocate</b> <small>(32 96 33)</small>			
		Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.			
32 96 33 00-0002	EA	Up To 18" Root Ball, Move Shrubs On Site .....			67.82
		For >25 To 50, Deduct			-6.78
		For >50, Deduct			-10.17
32 96 33 00-0003	EA	>18" To 24" Root Ball, Move Shrubs On Site.....			91.75
		For >25 To 50, Deduct			-9.18
		For >50, Deduct			-13.76
32 96 33 00-0004	EA	>24" To 30" Root Ball, Move Shrubs On Site.....			155.57
		For >25 To 50, Deduct			-15.56
		For >50, Deduct			-23.34
32 96 33 00-0005	EA	>30" To 36" Root Ball, Move Shrubs On Site.....			239.34
		For >25 To 50, Deduct			-23.93
		For >50, Deduct			-35.90
<b>32 96 43</b>		<b>Tree Transplanting</b> <small>(32 96)</small>			
		Note: Includes digging up, moving on site, digging new hole and replanting.			
<b>32 96 43 00-0001</b>		<b>Moving Trees On Site, Relocate</b> <small>(32 96 43)</small>			
		Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0884 for crane lifting equipment, 32 94 49 00-0001 for guying.			
32 96 43 00-0002	EA	Up To 24" Root Ball, Move Trees On Site.....			268.98
		For >5 To 10, Deduct			-13.45
		For >10 To 20, Deduct			-26.90
		For >20, Deduct			-40.35
32 96 43 00-0003	EA	>24" To 30" Root Ball, Move Trees On Site.....			368.88
		For >5 To 10, Deduct			-18.44
		For >10 To 20, Deduct			-36.89
		For >20, Deduct			-55.33
32 96 43 00-0004	EA	>30" To 36" Root Ball, Move Trees On Site.....			597.73
		For >5 To 10, Deduct			-29.89
		For >10 To 20, Deduct			-59.77
		For >20, Deduct			-89.66
32 96 43 00-0005	EA	>36" To 48" Root Ball, Move Trees On Site.....			993.15
		For >5 To 10, Deduct			-49.66
		For >10 To 20, Deduct			-99.32
		For >20, Deduct			-148.97
32 96 43 00-0006	EA	>48" To 60" Root Ball, Move Trees On Site.....			1,613.86
		For >5 To 10, Deduct			-80.69
		For >10 To 20, Deduct			-161.39
		For >20, Deduct			-242.08
32 96 43 00-0007	EA	>60" To 72" Root Ball, Move Trees On Site.....			2,082.41
		For >5 To 10, Deduct			-104.12
		For >10 To 20, Deduct			-208.24
		For >20, Deduct			-312.36
32 96 43 00-0008	EA	>72" To 84" Root Ball, Move Trees On Site.....			2,689.78
		For >5 To 10, Deduct			-134.49
		For >10 To 20, Deduct			-268.98
		For >20, Deduct			-403.47
32 96 43 00-0009	EA	>84" To 96" Root Ball, Move Trees On Site.....			3,227.73
		For >5 To 10, Deduct			-161.39
		For >10 To 20, Deduct			-322.77
		For >20, Deduct			-484.16
32 96 43 00-0010	EA	>96" To 120" Root Ball, Move Trees On Site.....			3,667.87
		For >5 To 10, Deduct			-183.39
		For >10 To 20, Deduct			-366.79
		For >20, Deduct			-550.18



<b>Exterior Improvements</b>		<b>32</b>	<b>32</b>
	Planting	32 90	
	Transplanting	32 96	

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MINOR CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**END OF SECTION 32**

32	<b>32</b>	<b>Exterior Improvements</b>
	32 90	Planting
	32 96	Transplanting




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MINOR	TOTAL DIRECT
CSI UOM DESCRIPTION	UNIT COST DEMOLITION
	UNIT COST

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MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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### 33 Utilities

Note: Buried plastic pipe and conduit includes detectable tracer wire

#### 33 01 Operation and Maintenance of Utilities <sup>(33)</sup>

##### 33 01 10 Operation and Maintenance of Water Utilities <sup>(33 01)</sup>

##### 33 01 10 54 **Cleaning of Water Utility Piping** <sup>(33 01 10)</sup>

See CSI section 33 01 30 41-0006 for cleaning of water lines.

##### 33 01 10 58 **Disinfection of Water Utility Piping Systems** <sup>(33 01 10)</sup>

##### 33 01 10 58-0001 **Water Main Disinfection/Sterilization** <sup>(33 01 10 58)</sup>

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method .....	945.86	
33 01 10 58-0003	EA Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method .....	472.93	
33 01 10 58-0004	LF Up To 4" Diameter Pipe Water Main Disinfection/Sterilization .....	0.35	
	<i>For &gt;250 To 500, Deduct</i>	-0.02	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.04	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-0.05	
	<i>For &gt;2,000 To 5,000, Deduct</i>	-0.07	
	<i>For &gt;5,000, Deduct</i>	-0.09	
33 01 10 58-0005	LF 6" Diameter Pipe Water Main Disinfection/Sterilization .....	0.54	
	<i>For &gt;250 To 500, Deduct</i>	-0.03	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.05	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-0.08	
	<i>For &gt;2,000 To 5,000, Deduct</i>	-0.11	
	<i>For &gt;5,000, Deduct</i>	-0.14	
33 01 10 58-0006	LF 8" Diameter Pipe Water Main Disinfection/Sterilization .....	0.71	
	<i>For &gt;250 To 500, Deduct</i>	-0.04	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.07	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-0.11	
	<i>For &gt;2,000 To 5,000, Deduct</i>	-0.14	
	<i>For &gt;5,000, Deduct</i>	-0.18	
33 01 10 58-0007	LF 10" Diameter Pipe Water Main Disinfection/Sterilization .....	0.84	
	<i>For &gt;250 To 500, Deduct</i>	-0.04	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.08	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-0.13	
	<i>For &gt;2,000 To 5,000, Deduct</i>	-0.17	
	<i>For &gt;5,000, Deduct</i>	-0.21	
33 01 10 58-0008	LF 12" Diameter Pipe Water Main Disinfection/Sterilization .....	1.09	
	<i>For &gt;250 To 500, Deduct</i>	-0.05	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.11	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-0.16	
	<i>For &gt;2,000 To 5,000, Deduct</i>	-0.22	
	<i>For &gt;5,000, Deduct</i>	-0.27	
33 01 10 58-0009	LF >12" To 16" Diameter Pipe Water Main Disinfection/Sterilization .....	1.23	
	<i>For &gt;250 To 500, Deduct</i>	-0.06	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.12	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-0.18	
	<i>For &gt;2,000 To 5,000, Deduct</i>	-0.25	
	<i>For &gt;5,000, Deduct</i>	-0.31	
33 01 10 58-0010	LF >16" To 24" Diameter Pipe Water Main Disinfection/Sterilization .....	1.42	
	<i>For &gt;250 To 500, Deduct</i>	-0.07	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.14	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-0.21	
	<i>For &gt;2,000 To 5,000, Deduct</i>	-0.28	
	<i>For &gt;5,000, Deduct</i>	-0.36	
33 01 10 58-0011	LF >24" To 30" Diameter Pipe Water Main Disinfection/Sterilization .....	1.66	
	<i>For &gt;250 To 500, Deduct</i>	-0.08	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.17	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-0.25	
	<i>For &gt;2,000 To 5,000, Deduct</i>	-0.33	
	<i>For &gt;5,000, Deduct</i>	-0.42	
33 01 10 58-0012	LF >30" To 42" Diameter Pipe Water Main Disinfection/Sterilization .....	2.15	
	<i>For &gt;250 To 500, Deduct</i>	-0.11	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.22	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-0.32	
	<i>For &gt;2,000 To 5,000, Deduct</i>	-0.43	
	<i>For &gt;5,000, Deduct</i>	-0.54	
33 01 10 58-0013	LF >42" To 60" Diameter Pipe Water Main Disinfection/Sterilization .....	3.16	
	<i>For &gt;250 To 500, Deduct</i>	-0.16	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.32	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-0.47	
	<i>For &gt;2,000 To 5,000, Deduct</i>	-0.63	
	<i>For &gt;5,000, Deduct</i>	-0.79	
33 01 10 58-0014	LF >60" Diameter Pipe Water Main Disinfection/Sterilization .....	4.37	
	<i>For &gt;250 To 500, Deduct</i>	-0.22	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.44	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-0.66	
	<i>For &gt;2,000 To 5,000, Deduct</i>	-0.87	
	<i>For &gt;5,000, Deduct</i>	-1.09	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**33 01 10 71 Relining Water Utilities Pipelines** (33 01 10)

See CSI section 33 01 30 71-0000 for relining water pipelines.

33 01 10 71-0001	<b>Relining Underground Water Pipelines</b> <small>(33 01 10 71)</small>	
	Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.	
33 01 10 71-0002	<b>Relining Underground Water Pipelines Set-Up And Reinsertion</b> <small>(33 01 10 71-0001)</small>	
33 01 10 71-0003	EA Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines .....	5,136.38
33 01 10 71-0004	EA Move And Reset Up At Different Access/Location .....	2,054.55
33 01 10 71-0005	<b>Lining Pipe With Cement</b> <small>(33 01 10 71-0001)</small>	
33 01 10 71-0006	LF Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement .....	56.89
	For 3/16" Thickness, Add	1.06
	For 1/4" Thickness, Add	2.12
33 01 10 71-0007	LF >500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement .....	50.71
	For 3/16" Thickness, Add	1.06
	For 1/4" Thickness, Add	2.12
33 01 10 71-0008	LF >1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement .....	42.42
	For 3/16" Thickness, Add	1.06
	For 1/4" Thickness, Add	2.12
33 01 10 71-0009	LF >5,000', 4" Pipe, 1/8" Pipe Lining With Cement .....	32.02
	For 3/16" Thickness, Add	1.06
	For 1/4" Thickness, Add	2.12
33 01 10 71-0010	LF Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement .....	59.36
	For 3/16" Thickness, Add	1.59
	For 1/4" Thickness, Add	3.17
33 01 10 71-0011	LF >500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement .....	52.94
	For 3/16" Thickness, Add	1.59
	For 1/4" Thickness, Add	3.17
33 01 10 71-0012	LF >1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement .....	44.37
	For 3/16" Thickness, Add	1.59
	For 1/4" Thickness, Add	3.17
33 01 10 71-0013	LF >5,000', 6" Pipe, 1/8" Pipe Lining With Cement .....	33.82
	For 3/16" Thickness, Add	1.59
	For 1/4" Thickness, Add	3.17
33 01 10 71-0014	LF Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement .....	61.73
	For 3/16" Thickness, Add	2.11
	For 1/4" Thickness, Add	4.21
33 01 10 71-0015	LF >500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement .....	55.17
	For 3/16" Thickness, Add	2.11
	For 1/4" Thickness, Add	4.21
33 01 10 71-0016	LF >1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement .....	46.31
	For 3/16" Thickness, Add	2.11
	For 1/4" Thickness, Add	4.21
33 01 10 71-0017	LF >5,000', 8" Pipe, 1/8" Pipe Lining With Cement .....	35.62
	For 3/16" Thickness, Add	2.11
	For 1/4" Thickness, Add	4.21
33 01 10 71-0018	LF Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement .....	63.61
	For 3/16" Thickness, Add	2.64
	For 1/4" Thickness, Add	5.28
33 01 10 71-0019	LF >500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement .....	56.93
	For 3/16" Thickness, Add	2.64
	For 1/4" Thickness, Add	5.28
33 01 10 71-0020	LF >1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement .....	47.95
	For 3/16" Thickness, Add	2.64
	For 1/4" Thickness, Add	5.28
33 01 10 71-0021	LF >5,000', 10" Pipe, 1/8" Pipe Lining With Cement .....	37.45
	For 3/16" Thickness, Add	2.64
	For 1/4" Thickness, Add	5.28
33 01 10 71-0022	LF Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement .....	68.86
	For 3/16" Thickness, Add	3.17
	For 1/4" Thickness, Add	6.33
33 01 10 71-0023	LF >500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement .....	61.78
	For 3/16" Thickness, Add	3.17
	For 1/4" Thickness, Add	6.33
33 01 10 71-0024	LF >1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement .....	52.21
	For 3/16" Thickness, Add	3.17
	For 1/4" Thickness, Add	6.33
33 01 10 71-0025	LF >5,000', 12" Pipe, 1/8" Pipe Lining With Cement .....	40.86
	For 3/16" Thickness, Add	3.17
	For 1/4" Thickness, Add	6.33
33 01 10 71-0026	LF Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement .....	74.98
	For 1/4" Thickness, Add	3.52
	For 5/16" Thickness, Add	7.04
33 01 10 71-0027	LF >500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement .....	67.64
	For 1/4" Thickness, Add	3.52
	For 5/16" Thickness, Add	7.04
33 01 10 71-0028	LF >1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement .....	57.67
	For 1/4" Thickness, Add	3.52
	For 5/16" Thickness, Add	7.04
33 01 10 71-0029	LF >5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement .....	46.80
	For 1/4" Thickness, Add	3.52
	For 5/16" Thickness, Add	7.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0030 LF Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	78.97	
<i>For 1/4" Thickness, Add</i>	4.22	
<i>For 5/16" Thickness, Add</i>	8.44	
33 01 10 71-0031 LF >500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	71.40	
<i>For 1/4" Thickness, Add</i>	4.22	
<i>For 5/16" Thickness, Add</i>	8.44	
33 01 10 71-0032 LF >1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	61.10	
<i>For 1/4" Thickness, Add</i>	4.22	
<i>For 5/16" Thickness, Add</i>	8.44	
33 01 10 71-0033 LF >5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	50.79	
<i>For 1/4" Thickness, Add</i>	4.22	
<i>For 5/16" Thickness, Add</i>	8.44	
33 01 10 71-0034 LF Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	83.85	
<i>For 1/4" Thickness, Add</i>	4.93	
<i>For 5/16" Thickness, Add</i>	9.85	
33 01 10 71-0035 LF >500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	76.00	
<i>For 1/4" Thickness, Add</i>	4.93	
<i>For 5/16" Thickness, Add</i>	9.85	
33 01 10 71-0036 LF >1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	65.20	
<i>For 1/4" Thickness, Add</i>	4.93	
<i>For 5/16" Thickness, Add</i>	9.85	
33 01 10 71-0037 LF >5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	55.56	
<i>For 1/4" Thickness, Add</i>	4.93	
<i>For 5/16" Thickness, Add</i>	9.85	
33 01 10 71-0038 LF Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement.....	88.79	
<i>For 1/4" Thickness, Add</i>	5.63	
<i>For 5/16" Thickness, Add</i>	11.26	
33 01 10 71-0039 LF >500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement.....	80.62	
<i>For 1/4" Thickness, Add</i>	5.63	
<i>For 5/16" Thickness, Add</i>	11.26	
33 01 10 71-0040 LF >1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement.....	69.49	
<i>For 1/4" Thickness, Add</i>	5.63	
<i>For 5/16" Thickness, Add</i>	11.26	
33 01 10 71-0041 LF >5,000', 24" Pipe, 3/16" Pipe Lining With Cement.....	60.50	
<i>For 1/4" Thickness, Add</i>	5.63	
<i>For 5/16" Thickness, Add</i>	11.26	
33 01 10 71-0042 LF Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement.....	95.76	
<i>For 1/4" Thickness, Add</i>	7.04	
<i>For 5/16" Thickness, Add</i>	14.07	
33 01 10 71-0043 LF >500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement.....	87.12	
<i>For 1/4" Thickness, Add</i>	7.04	
<i>For 5/16" Thickness, Add</i>	14.07	
33 01 10 71-0044 LF >1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement.....	75.32	
<i>For 1/4" Thickness, Add</i>	7.04	
<i>For 5/16" Thickness, Add</i>	14.07	
33 01 10 71-0045 LF >5,000', 30" Pipe, 3/16" Pipe Lining With Cement.....	66.24	
<i>For 1/4" Thickness, Add</i>	7.04	
<i>For 5/16" Thickness, Add</i>	14.07	
33 01 10 71-0046 LF Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement.....	102.63	
<i>For 1/4" Thickness, Add</i>	8.45	
<i>For 5/16" Thickness, Add</i>	16.89	
33 01 10 71-0047 LF 500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement.....	93.62	
<i>For 1/4" Thickness, Add</i>	8.45	
<i>For 5/16" Thickness, Add</i>	16.89	
33 01 10 71-0048 LF >1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement.....	81.15	
<i>For 1/4" Thickness, Add</i>	8.45	
<i>For 5/16" Thickness, Add</i>	16.89	
33 01 10 71-0049 LF >5,000', 36" Pipe, 3/16" Pipe Lining With Cement.....	71.98	
<i>For 1/4" Thickness, Add</i>	8.45	
<i>For 5/16" Thickness, Add</i>	16.89	
33 01 10 71-0050 LF Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement.....	128.81	
<i>For 3/8" Thickness, Add</i>	22.17	
<i>For 7/16" Thickness, Add</i>	33.25	
33 01 10 71-0051 LF >500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement.....	118.99	
<i>For 3/8" Thickness, Add</i>	22.17	
<i>For 7/16" Thickness, Add</i>	33.25	
33 01 10 71-0052 LF >1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement.....	105.44	
<i>For 3/8" Thickness, Add</i>	22.17	
<i>For 7/16" Thickness, Add</i>	33.25	
33 01 10 71-0053 LF >5,000', 42" Pipe, 1/4" Pipe Lining With Cement.....	95.98	
<i>For 3/8" Thickness, Add</i>	22.17	
<i>For 7/16" Thickness, Add</i>	33.25	
33 01 10 71-0054 LF Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement.....	142.24	
<i>For 3/8" Thickness, Add</i>	25.33	
<i>For 7/16" Thickness, Add</i>	38.00	
33 01 10 71-0055 LF >500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement.....	131.73	
<i>For 3/8" Thickness, Add</i>	25.33	
<i>For 7/16" Thickness, Add</i>	38.00	
33 01 10 71-0056 LF >1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement.....	117.16	
<i>For 3/8" Thickness, Add</i>	25.33	
<i>For 7/16" Thickness, Add</i>	38.00	
33 01 10 71-0057 LF >5,000', 48" Pipe, 1/4" Pipe Lining With Cement.....	107.51	
<i>For 3/8" Thickness, Add</i>	25.33	
<i>For 7/16" Thickness, Add</i>	38.00	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0058 LF Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement.....	150.27	
For 3/8" Thickness, Add	28.50	
For 7/16" Thickness, Add	42.74	
33 01 10 71-0059 LF >500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement .....	139.53	
For 3/8" Thickness, Add	28.50	
For 7/16" Thickness, Add	42.74	
33 01 10 71-0060 LF >1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement .....	124.63	
For 3/8" Thickness, Add	28.50	
For 7/16" Thickness, Add	42.74	
33 01 10 71-0061 LF >5,000', 54" Pipe, 1/4" Pipe Lining With Cement .....	115.36	
For 3/8" Thickness, Add	28.50	
For 7/16" Thickness, Add	42.74	
33 01 10 71-0062 LF Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement.....	158.32	
For 3/8" Thickness, Add	31.67	
For 7/16" Thickness, Add	47.51	
33 01 10 71-0063 LF >500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement .....	147.39	
For 3/8" Thickness, Add	31.67	
For 7/16" Thickness, Add	47.51	
33 01 10 71-0064 LF >1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement .....	132.22	
For 3/8" Thickness, Add	31.67	
For 7/16" Thickness, Add	47.51	
33 01 10 71-0065 LF >5,000', 60" Pipe, 1/4" Pipe Lining With Cement .....	123.22	
For 3/8" Thickness, Add	31.67	
For 7/16" Thickness, Add	47.51	
33 01 10 71-0066 LF Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement.....	166.65	
For 3/8" Thickness, Add	34.84	
For 7/16" Thickness, Add	52.26	
33 01 10 71-0067 LF >500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement .....	155.49	
For 3/8" Thickness, Add	34.84	
For 7/16" Thickness, Add	52.26	
33 01 10 71-0068 LF >1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement .....	140.07	
For 3/8" Thickness, Add	34.84	
For 7/16" Thickness, Add	52.26	
33 01 10 71-0069 LF >5,000', 66" Pipe, 1/4" Pipe Lining With Cement .....	131.74	
For 3/8" Thickness, Add	34.84	
For 7/16" Thickness, Add	52.26	
33 01 10 71-0070 LF Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement.....	175.34	
For 3/8" Thickness, Add	38.01	
For 7/16" Thickness, Add	57.01	
33 01 10 71-0071 LF >500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement .....	163.99	
For 3/8" Thickness, Add	38.01	
For 7/16" Thickness, Add	57.01	
33 01 10 71-0072 LF >1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement .....	148.20	
For 3/8" Thickness, Add	38.01	
For 7/16" Thickness, Add	57.01	
33 01 10 71-0073 LF >5,000', 72" Pipe, 1/4" Pipe Lining With Cement .....	140.34	
For 3/8" Thickness, Add	38.01	
For 7/16" Thickness, Add	57.01	

**33 01 30 Operation and Maintenance of Sewer Utilities** (33 01)**33 01 30 11 Television Inspection Of Pipelines** (33 01 30)

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

**33 01 30 11-0001 Remote Visual Inspection (RVI) Of Pipe Interior And Culverts** (33 01 30 11)**33 01 30 11-0002 Video Camera Set-up** (33 01 30 11-0001)

33 01 30 11-0003 EA Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert .....	890.01	
Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1"-12" diameter pipes for distances up to 300 feet.		
33 01 30 11-0004 EA Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert.....	1,780.04	
Note: Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).		
33 01 30 11-0005 EA Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert .....	2,670.05	
33 01 30 11-0006 EA Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert.....	445.01	
33 01 30 11-0007 EA Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert .....	890.01	

**33 01 30 11-0008 Video Camera Planning And Analysis Inspection** (33 01 30 11-0001)

Note: For pipe interior and culverts.

33 01 30 11-0009 LF 4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase.....	2.26	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.23	
For >1,000 To 5,000, Deduct	-0.57	
For >5,000, Deduct	-0.79	
33 01 30 11-0010 LF >6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase.....	3.00	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.30	
For >1,000 To 5,000, Deduct	-0.75	
For >5,000, Deduct	-1.05	
33 01 30 11-0011 LF >12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase.....	3.76	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.38	
For >1,000 To 5,000, Deduct	-0.94	
For >5,000, Deduct	-1.32	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0012 LF >21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase.....	5.02	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.50	
For >1,000 To 5,000, Deduct	-1.26	
For >5,000, Deduct	-1.76	
33 01 30 11-0013 LF >30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase.....	7.05	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.71	
For >1,000 To 5,000, Deduct	-1.76	
For >5,000, Deduct	-2.47	
33 01 30 11-0014 LF >42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase.....	9.41	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.94	
For >1,000 To 5,000, Deduct	-2.35	
For >5,000, Deduct	-3.29	
33 01 30 11-0015 LF >60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase.....	13.27	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.33	
For >1,000 To 5,000, Deduct	-3.32	
For >5,000, Deduct	-4.64	
33 01 30 11-0016 LF >72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase.....	18.80	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.88	
For >1,000 To 5,000, Deduct	-4.70	
For >5,000, Deduct	-6.58	
<b>33 01 30 11-0017 Video Camera Pre-Rehab For Pipe Interior And Culverts</b> (33 01 30 11-0001)		
33 01 30 11-0018 LF 4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	3.33	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.33	
For >1,000 To 5,000, Deduct	-0.83	
For >5,000, Deduct	-1.17	
33 01 30 11-0019 LF >6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	4.45	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.45	
For >1,000 To 5,000, Deduct	-1.11	
For >5,000, Deduct	-1.56	
33 01 30 11-0020 LF >12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	5.56	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.56	
For >1,000 To 5,000, Deduct	-1.39	
For >5,000, Deduct	-1.95	
33 01 30 11-0021 LF >21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	7.42	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.74	
For >1,000 To 5,000, Deduct	-1.86	
For >5,000, Deduct	-2.60	
33 01 30 11-0022 LF >30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	10.43	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.04	
For >1,000 To 5,000, Deduct	-2.61	
For >5,000, Deduct	-3.65	
33 01 30 11-0023 LF >42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	13.91	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.39	
For >1,000 To 5,000, Deduct	-3.48	
For >5,000, Deduct	-4.87	
33 01 30 11-0024 LF >60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	19.63	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.96	
For >1,000 To 5,000, Deduct	-4.91	
For >5,000, Deduct	-6.87	
33 01 30 11-0025 LF >72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	27.81	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-2.78	
For >1,000 To 5,000, Deduct	-6.95	
For >5,000, Deduct	-9.73	
<b>33 01 30 11-0026 Video Camera Post-Rehab For Pipe Interior And Culverts</b> (33 01 30 11-0001)		
33 01 30 11-0027 LF 4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	2.39	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.24	
For >1,000 To 5,000, Deduct	-0.60	
For >5,000, Deduct	-0.84	
33 01 30 11-0028 LF >6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	3.18	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.32	
For >1,000 To 5,000, Deduct	-0.80	
For >5,000, Deduct	-1.11	
33 01 30 11-0029 LF >12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	3.97	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.40	
For >1,000 To 5,000, Deduct	-0.99	
For >5,000, Deduct	-1.39	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0030 LF >21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	5.30	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.53	
For >1,000 To 5,000, Deduct	-1.33	
For >5,000, Deduct	-1.86	
33 01 30 11-0031 LF >30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	7.45	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.75	
For >1,000 To 5,000, Deduct	-1.86	
For >5,000, Deduct	-2.61	
33 01 30 11-0032 LF >42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	9.94	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.99	
For >1,000 To 5,000, Deduct	-2.49	
For >5,000, Deduct	-3.48	
33 01 30 11-0033 LF >60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	14.03	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.40	
For >1,000 To 5,000, Deduct	-3.51	
For >5,000, Deduct	-4.91	
33 01 30 11-0034 LF >72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	19.86	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.99	
For >1,000 To 5,000, Deduct	-4.97	
For >5,000, Deduct	-6.95	
<b>33 01 30 41 Cleaning of Sewers (33 01 30)</b>		
<b>33 01 30 41-0001 Pipe Line Cleaning And Flushing (33 01 30 41)</b>		
Note: Includes flushing. Owner provided water.		
<b>33 01 30 41-0002 Pipe Line Cleaning (33 01 30 41-0001)</b>		
Note: Includes removal of all debris/waste. Excludes disposal.		
<b>33 01 30 41-0003 Hydro Jet Set-up And Reinsertion (33 01 30 41-0002)</b>		
33 01 30 41-0004 EA Initial Set Up And Final Equipment Removal For Jet Cleaning.....	2,610.47	
33 01 30 41-0005 EA Move And Reset Up At Different Access/Location For Jet Cleaning.....	652.62	
<b>33 01 30 41-0006 Hydro Jet Cleaning Of Sewer And Water Pipelines (33 01 30 41-0002)</b>		
33 01 30 41-0007 LF Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	3.51	
For >250 To 500, Deduct	-0.18	
For >500 To 1,000, Deduct	-0.35	
For >1,000 To 2,000, Deduct	-0.53	
For >2,000 To 5,000, Deduct	-0.70	
For >5,000, Deduct	-0.88	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.63	
33 01 30 41-0008 LF 6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	4.03	
For >250 To 500, Deduct	-0.20	
For >500 To 1,000, Deduct	-0.40	
For >1,000 To 2,000, Deduct	-0.60	
For >2,000 To 5,000, Deduct	-0.81	
For >5,000, Deduct	-1.01	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.02	
33 01 30 41-0009 LF 8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	4.73	
For >250 To 500, Deduct	-0.24	
For >500 To 1,000, Deduct	-0.47	
For >1,000 To 2,000, Deduct	-0.71	
For >2,000 To 5,000, Deduct	-0.95	
For >5,000, Deduct	-1.18	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.55	
33 01 30 41-0010 LF 10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	5.85	
For >250 To 500, Deduct	-0.29	
For >500 To 1,000, Deduct	-0.59	
For >1,000 To 2,000, Deduct	-0.88	
For >2,000 To 5,000, Deduct	-1.17	
For >5,000, Deduct	-1.46	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	4.39	
33 01 30 41-0011 LF 12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	6.63	
For >250 To 500, Deduct	-0.33	
For >500 To 1,000, Deduct	-0.66	
For >1,000 To 2,000, Deduct	-0.99	
For >2,000 To 5,000, Deduct	-1.33	
For >5,000, Deduct	-1.66	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	4.97	
33 01 30 41-0012 LF >12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	7.66	
For >250 To 500, Deduct	-0.38	
For >500 To 1,000, Deduct	-0.77	
For >1,000 To 2,000, Deduct	-1.15	
For >2,000 To 5,000, Deduct	-1.53	
For >5,000, Deduct	-1.92	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	5.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0013 LF >16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	9.21	
<i>For &gt;250 To 500, Deduct</i>	-0.46	
<i>For &gt;500 To 1,000, Deduct</i>	-0.92	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.38	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.84	
<i>For &gt;5,000, Deduct</i>	-2.30	
<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	6.91	
33 01 30 41-0014 LF >24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	10.46	
<i>For &gt;250 To 500, Deduct</i>	-0.52	
<i>For &gt;500 To 1,000, Deduct</i>	-1.05	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.57	
<i>For &gt;2,000 To 5,000, Deduct</i>	-2.09	
<i>For &gt;5,000, Deduct</i>	-2.62	
<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	7.85	
33 01 30 41-0015 LF >30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	12.36	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500 To 1,000, Deduct</i>	-1.24	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.85	
<i>For &gt;2,000 To 5,000, Deduct</i>	-2.47	
<i>For &gt;5,000, Deduct</i>	-3.09	
<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	9.27	
33 01 30 41-0016 LF >42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	15.54	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500 To 1,000, Deduct</i>	-1.55	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.33	
<i>For &gt;2,000 To 5,000, Deduct</i>	-3.11	
<i>For &gt;5,000, Deduct</i>	-3.89	
<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	11.66	
33 01 30 41-0017 LF >60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	18.13	
<i>For &gt;250 To 500, Deduct</i>	-0.91	
<i>For &gt;500 To 1,000, Deduct</i>	-1.81	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.72	
<i>For &gt;2,000 To 5,000, Deduct</i>	-3.63	
<i>For &gt;5,000, Deduct</i>	-4.53	
<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	13.60	
<b>33 01 30 41-0018 Flushing Of Storm Water Pipelines (33 01 30 41-0002)</b>		
Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.		
33 01 30 41-0019 LF 12" To 16" Diameter Pipe Line Flushing.....	1.28	
<i>For &gt;250 To 500, Deduct</i>	-0.06	
<i>For &gt;500 To 1,000, Deduct</i>	-0.13	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.19	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.26	
<i>For &gt;5,000, Deduct</i>	-0.32	
33 01 30 41-0020 LF >16" To 24" Diameter Pipe Line Flushing.....	1.47	
<i>For &gt;250 To 500, Deduct</i>	-0.07	
<i>For &gt;500 To 1,000, Deduct</i>	-0.15	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.22	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.29	
<i>For &gt;5,000, Deduct</i>	-0.37	
33 01 30 41-0021 LF >24" To 30" Diameter Pipe Line Flushing.....	1.73	
<i>For &gt;250 To 500, Deduct</i>	-0.09	
<i>For &gt;500 To 1,000, Deduct</i>	-0.17	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.26	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.35	
<i>For &gt;5,000, Deduct</i>	-0.43	
33 01 30 41-0022 LF >30" To 42" Diameter Pipe Line Flushing.....	1.99	
<i>For &gt;250 To 500, Deduct</i>	-0.10	
<i>For &gt;500 To 1,000, Deduct</i>	-0.20	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.30	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.40	
<i>For &gt;5,000, Deduct</i>	-0.50	
33 01 30 41-0023 LF >42" To 60" Diameter Pipe Line Flushing.....	2.64	
<i>For &gt;250 To 500, Deduct</i>	-0.13	
<i>For &gt;500 To 1,000, Deduct</i>	-0.26	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.40	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.53	
<i>For &gt;5,000, Deduct</i>	-0.66	
<b>33 01 30 41-0024 Hydro Jet Cleaning Of Culverts (33 01 30 41-0002)</b>		
33 01 30 41-0025 LF Jet Cleaning Of Culvert, 0-250 LF.....	16.24	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500 To 1,000, Deduct</i>	-1.62	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.44	
<i>For &gt;2,000 To 5,000, Deduct</i>	-3.25	
<i>For &gt;5,000, Deduct</i>	-4.06	
<b>33 01 30 41-0026 Pipe Line Cleaning, Mechanical Method (33 01 30 41-0001)</b>		
Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0027 EA Initial Set Up And Final Equipment Removal For Mechanical Cleaning.....	1,135.03	
33 01 30 41-0028 EA Move And Reset Up At Different Access/Location.....	378.34	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 41-0029	LF	Up To 4" Diameter Pipe Line Cleaning, Mechanical Method .....	6.59
		<i>For &gt;250 To 500, Deduct</i>	-0.32
		<i>For &gt;500 To 1,000, Deduct</i>	-0.63
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.95
		<i>For &gt;2,000 To 5,000, Deduct</i>	-1.26
		<i>For &gt;5,000, Deduct</i>	-1.58
33 01 30 41-0030	LF	6" Diameter Pipe Line Cleaning, Mechanical Method .....	8.67
		<i>For &gt;250 To 500, Deduct</i>	-0.41
		<i>For &gt;500 To 1,000, Deduct</i>	-0.81
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.22
		<i>For &gt;2,000 To 5,000, Deduct</i>	-1.62
		<i>For &gt;5,000, Deduct</i>	-2.03
33 01 30 41-0031	LF	8" Diameter Pipe Line Cleaning, Mechanical Method .....	10.16
		<i>For &gt;250 To 500, Deduct</i>	-0.47
		<i>For &gt;500 To 1,000, Deduct</i>	-0.95
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.42
		<i>For &gt;2,000 To 5,000, Deduct</i>	-1.89
		<i>For &gt;5,000, Deduct</i>	-2.37
33 01 30 41-0032	LF	10" Diameter Pipe Line Cleaning, Mechanical Method .....	11.75
		<i>For &gt;250 To 500, Deduct</i>	-0.55
		<i>For &gt;500 To 1,000, Deduct</i>	-1.09
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.64
		<i>For &gt;2,000 To 5,000, Deduct</i>	-2.18
		<i>For &gt;5,000, Deduct</i>	-2.73
33 01 30 41-0033	LF	12" Diameter Pipe Line Cleaning, Mechanical Method .....	12.80
		<i>For &gt;250 To 500, Deduct</i>	-0.59
		<i>For &gt;500 To 1,000, Deduct</i>	-1.18
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.77
		<i>For &gt;2,000 To 5,000, Deduct</i>	-2.36
		<i>For &gt;5,000, Deduct</i>	-2.96
33 01 30 41-0034	LF	>12" To 16" Diameter Pipe Line Cleaning, Mechanical Method.....	14.77
		<i>For &gt;250 To 500, Deduct</i>	-0.68
		<i>For &gt;500 To 1,000, Deduct</i>	-1.35
		<i>For &gt;1,000 To 2,000, Deduct</i>	-2.03
		<i>For &gt;2,000 To 5,000, Deduct</i>	-2.70
		<i>For &gt;5,000, Deduct</i>	-3.38
33 01 30 41-0035	LF	>16" To 24" Diameter Pipe Line Cleaning, Mechanical Method.....	18.64
		<i>For &gt;250 To 500, Deduct</i>	-0.83
		<i>For &gt;500 To 1,000, Deduct</i>	-1.67
		<i>For &gt;1,000 To 2,000, Deduct</i>	-2.50
		<i>For &gt;2,000 To 5,000, Deduct</i>	-3.34
		<i>For &gt;5,000, Deduct</i>	-4.17
33 01 30 41-0036	LF	>24" To 30" Diameter Pipe Line Cleaning, Mechanical Method.....	21.40
		<i>For &gt;250 To 500, Deduct</i>	-0.93
		<i>For &gt;500 To 1,000, Deduct</i>	-1.86
		<i>For &gt;1,000 To 2,000, Deduct</i>	-2.79
		<i>For &gt;2,000 To 5,000, Deduct</i>	-3.72
		<i>For &gt;5,000, Deduct</i>	-4.65
33 01 30 41-0037	LF	>30" To 42" Diameter Pipe Line Cleaning, Mechanical Method.....	24.90
		<i>For &gt;250 To 500, Deduct</i>	-1.07
		<i>For &gt;500 To 1,000, Deduct</i>	-2.14
		<i>For &gt;1,000 To 2,000, Deduct</i>	-3.21
		<i>For &gt;2,000 To 5,000, Deduct</i>	-4.28
		<i>For &gt;5,000, Deduct</i>	-5.36
33 01 30 41-0038	LF	>42 To 60" Diameter Pipe Line Cleaning, Mechanical Method.....	32.56
		<i>For &gt;250 To 500, Deduct</i>	-1.42
		<i>For &gt;500 To 1,000, Deduct</i>	-2.84
		<i>For &gt;1,000 To 2,000, Deduct</i>	-4.26
		<i>For &gt;2,000 To 5,000, Deduct</i>	-5.68
		<i>For &gt;5,000, Deduct</i>	-7.10
33 01 30 41-0039	LF	>60" Diameter Pipe Line Cleaning, Mechanical Method.....	37.10
		<i>For &gt;250 To 500, Deduct</i>	-1.58
		<i>For &gt;500 To 1,000, Deduct</i>	-3.15
		<i>For &gt;1,000 To 2,000, Deduct</i>	-4.73
		<i>For &gt;2,000 To 5,000, Deduct</i>	-6.31
		<i>For &gt;5,000, Deduct</i>	-7.88
33 01 30 41-0040		Pipe Line Auguring/Rod Out Pipe <small>(33 01 30 41-0001)</small>	
33 01 30 41-0041	EA	Initial Set Up And Final Equipment Removal For Auguring.....	1,135.03
33 01 30 41-0042	EA	Move And Reset Up At Different Location .....	378.34
33 01 30 41-0043	LF	Up To 4" Diameter Pipe Line Auguring/Rod Out.....	3.78
		<i>For &gt;250 To 500, Deduct</i>	-0.19
		<i>For &gt;500 To 1,000, Deduct</i>	-0.38
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.57
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.76
		<i>For &gt;5,000, Deduct</i>	-0.95
33 01 30 41-0044	LF	6" Diameter Pipe Line Auguring/Rod Out.....	4.89
		<i>For &gt;250 To 500, Deduct</i>	-0.24
		<i>For &gt;500 To 1,000, Deduct</i>	-0.49
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.73
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.98
		<i>For &gt;5,000, Deduct</i>	-1.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0045 LF 8" Diameter Pipe Line Auguring/Rod Out .....	5.67	
<i>For &gt;250 To 500, Deduct</i>	-0.28	
<i>For &gt;500 To 1,000, Deduct</i>	-0.57	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.85	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.13	
<i>For &gt;5,000, Deduct</i>	-1.42	
33 01 30 41-0046 LF 10" Diameter Pipe Line Auguring/Rod Out .....	6.60	
<i>For &gt;250 To 500, Deduct</i>	-0.33	
<i>For &gt;500 To 1,000, Deduct</i>	-0.66	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.99	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.32	
<i>For &gt;5,000, Deduct</i>	-1.65	
33 01 30 41-0047 LF 12" Diameter Pipe Line Auguring/Rod Out .....	7.10	
<i>For &gt;250 To 500, Deduct</i>	-0.36	
<i>For &gt;500 To 1,000, Deduct</i>	-0.71	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.07	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.42	
<i>For &gt;5,000, Deduct</i>	-1.78	
33 01 30 41-0048 LF >12" To 16" Diameter Pipe Line Auguring/Rod Out .....	8.11	
<i>For &gt;250 To 500, Deduct</i>	-0.41	
<i>For &gt;500 To 1,000, Deduct</i>	-0.81	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.22	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.62	
<i>For &gt;5,000, Deduct</i>	-2.03	
33 01 30 41-0049 LF >16" To 24" Diameter Pipe Line Auguring/Rod Out .....	9.96	
<i>For &gt;250 To 500, Deduct</i>	-0.50	
<i>For &gt;500 To 1,000, Deduct</i>	-1.00	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.49	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.99	
<i>For &gt;5,000, Deduct</i>	-2.49	
33 01 30 41-0050 LF >24" To 30" Diameter Pipe Line Auguring/Rod Out .....	11.13	
<i>For &gt;250 To 500, Deduct</i>	-0.56	
<i>For &gt;500 To 1,000, Deduct</i>	-1.11	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.67	
<i>For &gt;2,000 To 5,000, Deduct</i>	-2.23	
<i>For &gt;5,000, Deduct</i>	-2.78	
33 01 30 41-0051 LF >30" To 42" Diameter Pipe Line Auguring/Rod Out .....	12.89	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500 To 1,000, Deduct</i>	-1.29	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.93	
<i>For &gt;2,000 To 5,000, Deduct</i>	-2.58	
<i>For &gt;5,000, Deduct</i>	-3.22	
33 01 30 41-0052 LF >42 To 60" Diameter Pipe Line Auguring/Rod Out .....	17.74	
<i>For &gt;250 To 500, Deduct</i>	-0.89	
<i>For &gt;500 To 1,000, Deduct</i>	-1.77	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.66	
<i>For &gt;2,000 To 5,000, Deduct</i>	-3.55	
<i>For &gt;5,000, Deduct</i>	-4.44	
33 01 30 41-0053 LF >60" Diameter Pipe Line Auguring/Rod Out .....	18.92	
<i>For &gt;250 To 500, Deduct</i>	-0.95	
<i>For &gt;500 To 1,000, Deduct</i>	-1.89	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.84	
<i>For &gt;2,000 To 5,000, Deduct</i>	-3.78	
<i>For &gt;5,000, Deduct</i>	-4.73	

**33 01 30 42 Cleaning of Manholes** (33 01 30)

**33 01 30 42-0001 Structure Cleaning And Flushing** (33 01 30 42)

Note: Includes flushing. Owner provided water.

**33 01 30 42-0002 Rod Out Structures And Other Hand Operations** (33 01 30 42-0001)

33 01 30 42-0003 EA Rod Out Waste Water Drain .....	47.30
33 01 30 42-0004 EA Rod Out Sewer Catch Basin .....	94.60
33 01 30 42-0005 EA Up To 6" Diameter Pipe, Rod Out Blockage .....	18.92
33 01 30 42-0006 EA 8" Diameter Pipe, Rod Out Blockage .....	20.81
33 01 30 42-0007 EA 10" Diameter Pipe, Rod Out Blockage .....	23.66
33 01 30 42-0008 EA 12" Diameter Pipe, Rod Out Blockage .....	27.44
33 01 30 42-0009 EA >12" To 16" Diameter Pipe, Rod Out Blockage .....	32.17
33 01 30 42-0010 EA >16" To 24" Diameter Pipe, Rod Out Blockage .....	37.84
33 01 30 42-0011 EA >24" To 30" Diameter Pipe, Rod Out Blockage .....	44.46
33 01 30 42-0012 EA >30" To 42" Diameter Pipe, Rod Out Blockage .....	51.09
33 01 30 42-0013 EA >42" To 60" Diameter Pipe, Rod Out Blockage .....	59.60
33 01 30 42-0014 EA >60" Diameter Pipe, Rod Out Blockage .....	70.96
33 01 30 42-0015 EA Clean Out Debris From Entrance To Inlet Structure .....	236.51
33 01 30 42-0016 EA 3' To 4' Diameter, Clean Out Blocked Manhole By Hand .....	793.48
<i>For &gt;10 To 100, Deduct</i>	-119.02
<i>For &gt;100 To 250, Deduct</i>	-178.53
<i>For &gt;250, Deduct</i>	-238.04
33 01 30 42-0017 EA 5' To 6' Diameter, Clean Out Blocked Manhole By Hand .....	952.17
<i>For &gt;10 To 100, Deduct</i>	-142.83
<i>For &gt;100 To 250, Deduct</i>	-214.24
<i>For &gt;250, Deduct</i>	-285.65

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 42-0018	EA	Clean Out Blocked Catch Basin By Hand.....	476.09
		<i>For &gt;10 To 100, Deduct</i>	-71.41
		<i>For &gt;100 To 250, Deduct</i>	-107.12
		<i>For &gt;250, Deduct</i>	-142.83

**33 01 30 42-0019 Cleaning Manholes And Drainage Structures With Jet/Vacuum (33 01 30 42-0001)**

Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.

33 01 30 42-0020	EA	Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes.....	297.57
33 01 30 42-0021	EA	Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes.....	276.21
33 01 30 42-0022	EA	Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes.....	254.85
33 01 30 42-0023	EA	Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes.....	233.51
33 01 30 42-0024	EA	Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes.....	212.15
33 01 30 42-0025	EA	Jet/Vacuum Clean >250 Catch Basins Or Manholes.....	190.80

**33 01 30 51 Maintenance of Utilities (33 01 30)****33 01 30 51-0001 Pipe Repair (33 01 30 51)****33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band (33 01 30 51-0001)**

Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	124.72
		<i>For Stainless Steel Nuts And Bolts, Add</i>	20.64
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	177.63
		<i>For Stainless Steel Nuts And Bolts, Add</i>	31.10
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	205.38
		<i>For Stainless Steel Nuts And Bolts, Add</i>	36.63
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	234.09
		<i>For Stainless Steel Nuts And Bolts, Add</i>	42.14
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	134.56
		<i>For Stainless Steel Nuts And Bolts, Add</i>	22.41
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	188.84
		<i>For Stainless Steel Nuts And Bolts, Add</i>	33.19
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	216.55
		<i>For Stainless Steel Nuts And Bolts, Add</i>	38.59
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	250.38
		<i>For Stainless Steel Nuts And Bolts, Add</i>	45.15
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	144.78
		<i>For Stainless Steel Nuts And Bolts, Add</i>	24.52
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	196.46
		<i>For Stainless Steel Nuts And Bolts, Add</i>	34.70
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	227.25
		<i>For Stainless Steel Nuts And Bolts, Add</i>	40.68
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	265.13
		<i>For Stainless Steel Nuts And Bolts, Add</i>	48.30
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	163.19
		<i>For Stainless Steel Nuts And Bolts, Add</i>	27.88
33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	215.69
		<i>For Stainless Steel Nuts And Bolts, Add</i>	37.53
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	261.60
		<i>For Stainless Steel Nuts And Bolts, Add</i>	45.68
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	315.18
		<i>For Stainless Steel Nuts And Bolts, Add</i>	55.11
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	412.52
		<i>For Stainless Steel Nuts And Bolts, Add</i>	74.02
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	513.40
		<i>For Stainless Steel Nuts And Bolts, Add</i>	92.93
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	626.47
		<i>For Stainless Steel Nuts And Bolts, Add</i>	113.99
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	191.86
		<i>For Stainless Steel Nuts And Bolts, Add</i>	32.90
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	255.06
		<i>For Stainless Steel Nuts And Bolts, Add</i>	44.63
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	302.04
		<i>For Stainless Steel Nuts And Bolts, Add</i>	52.62
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	353.75
		<i>For Stainless Steel Nuts And Bolts, Add</i>	61.15
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	490.72
		<i>For Stainless Steel Nuts And Bolts, Add</i>	88.61
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	596.74
		<i>For Stainless Steel Nuts And Bolts, Add</i>	108.06
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	712.75
		<i>For Stainless Steel Nuts And Bolts, Add</i>	129.12
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	249.24
		<i>For Stainless Steel Nuts And Bolts, Add</i>	39.36
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	324.08
		<i>For Stainless Steel Nuts And Bolts, Add</i>	52.08
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	391.19
		<i>For Stainless Steel Nuts And Bolts, Add</i>	63.02
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	467.13
		<i>For Stainless Steel Nuts And Bolts, Add</i>	75.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0033 EA 8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	621.28 104.04	
33 01 30 51-0034 EA 8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	743.06 124.41	
33 01 30 51-0035 EA 8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	879.80 146.43	
33 01 30 51-0036 EA 10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	292.25 47.90	
33 01 30 51-0037 EA 10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,093.05 66.26	
33 01 30 51-0038 EA 10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	462.80 77.47	
33 01 30 51-0039 EA 10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	567.97 95.82	
33 01 30 51-0040 EA 10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	746.71 129.97	
33 01 30 51-0041 EA 10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	849.33 145.27	
33 01 30 51-0042 EA 10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,093.98 191.65	
33 01 30 51-0043 EA 12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	322.56 54.03	
33 01 30 51-0044 EA 12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	434.50 71.86	
33 01 30 51-0045 EA 12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	524.54 86.96	
33 01 30 51-0046 EA 12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	645.56 108.06	
33 01 30 51-0047 EA 12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	831.45 142.72	
33 01 30 51-0048 EA 12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	977.55 166.67	
33 01 30 51-0049 EA 12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,243.26 216.11	
<b>33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands</b> <small>(33 01 30 51-0001)</small>		
Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0051 EA 14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	744.24 207.89	
33 01 30 51-0052 EA 14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,055.82 300.12	
33 01 30 51-0053 EA 14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,422.11 407.00	
33 01 30 51-0054 EA 14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	2,096.65 613.43	
33 01 30 51-0055 EA 15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	781.17 218.12	
33 01 30 51-0056 EA 15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,105.23 314.03	
33 01 30 51-0057 EA 15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,485.00 424.56	
33 01 30 51-0058 EA 15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	2,197.85 642.70	
33 01 30 51-0059 EA 15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	800.95 222.53	
33 01 30 51-0060 EA 15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,131.26 319.90	
33 01 30 51-0061 EA 15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,523.75 434.08	
33 01 30 51-0062 EA 15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	2,253.38 656.60	
33 01 30 51-0063 EA 16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	821.68 226.92	
33 01 30 51-0064 EA 16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,160.90 326.48	
33 01 30 51-0065 EA 16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,561.09 442.13	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 51-0066	EA	16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	2,308.76
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	669.79
33 01 30 51-0067	EA	17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	840.28
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	230.58
33 01 30 51-0068	EA	17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,186.19
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	331.60
33 01 30 51-0069	EA	17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,598.42
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	450.18
33 01 30 51-0070	EA	17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	2,358.65
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	680.76
33 01 30 51-0071	EA	17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	857.89
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	234.25
33 01 30 51-0072	EA	17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,212.21
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	337.45
33 01 30 51-0073	EA	17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,631.69
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	457.50
33 01 30 51-0074	EA	17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	2,390.37
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	686.25
33 01 30 51-0075	EA	18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	878.13
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	238.81
33 01 30 51-0076	EA	18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,243.01
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	344.77
33 01 30 51-0077	EA	18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,667.06
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	465.55
33 01 30 51-0078	EA	18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	2,462.10
		<i>For Stainless Steel Nuts And Bolts, Add</i> .....	705.65

**33 01 30 51-0079 Polyseal Pipe Coupler** (33 01 30 51-0001)

33 01 30 51-0080	EA	18" Diameter Pipe, PolySeal Repair Couplers (MarMac) .....	309.49
33 01 30 51-0081	EA	24" Diameter Pipe, PolySeal Repair Couplers (MarMac) .....	349.32

**33 01 30 71 Relining Sewer Utilities Pipelines** (33 01 30)**33 01 30 71-0001 Relining Underground Pipelines** (33 01 30 71)

Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

**33 01 30 71-0002 Lining Pipe, Spray Applied With Structural Polyurethane** (33 01 30 71-0001)

Note: Two part structural polyurethane.

**33 01 30 71-0003 Mobilization And Setup For Spray Applied Structural Polyurethane Lining** (33 01 30 71-0002)

33 01 30 71-0004	EA	Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining .....	1,664.71
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**33 01 30 71-0005 Lining Pipe, Spray Applied With 100 mil Structural Polyurethane** (33 01 30 71-0002)

Note: Two part structural polyurethane.

33 01 30 71-0006	LF	36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	54.35
		<i>For Up To 75, Add</i> .....	11.77
		<i>For &gt;75 To 150, Add</i> .....	5.44
		<i>For &gt;500 To 1,000, Deduct</i> .....	-1.45
		<i>For &gt;1,000 To 2,000, Deduct</i> .....	-2.80
		<i>For &gt;2,000 To 5,000, Deduct</i> .....	-4.34
		<i>For &gt;5,000, Deduct</i> .....	-6.33
33 01 30 71-0007	LF	42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	63.41
		<i>For Up To 75, Add</i> .....	13.73
		<i>For &gt;75 To 150, Add</i> .....	6.34
		<i>For &gt;500 To 1,000, Deduct</i> .....	-1.69
		<i>For &gt;1,000 To 2,000, Deduct</i> .....	-3.27
		<i>For &gt;2,000 To 5,000, Deduct</i> .....	-5.06
		<i>For &gt;5,000, Deduct</i> .....	-7.39
33 01 30 71-0008	LF	48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	72.47
		<i>For Up To 75, Add</i> .....	15.69
		<i>For &gt;75 To 150, Add</i> .....	7.25
		<i>For &gt;500 To 1,000, Deduct</i> .....	-1.93
		<i>For &gt;1,000 To 2,000, Deduct</i> .....	-3.74
		<i>For &gt;2,000 To 5,000, Deduct</i> .....	-5.79
		<i>For &gt;5,000, Deduct</i> .....	-8.44





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0009 LF 54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	81.53	
For Up To 75, Add	17.65	
For >75 To 150, Add	8.15	
For >500 To 1,000, Deduct	-2.17	
For >1,000 To 2,000, Deduct	-4.20	
For >2,000 To 5,000, Deduct	-6.51	
For >5,000, Deduct	-9.50	
33 01 30 71-0010 LF 60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	90.58	
For Up To 75, Add	19.61	
For >75 To 150, Add	9.06	
For >500 To 1,000, Deduct	-2.41	
For >1,000 To 2,000, Deduct	-4.67	
For >2,000 To 5,000, Deduct	-7.23	
For >5,000, Deduct	-10.55	
33 01 30 71-0011 LF 66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	99.64	
For Up To 75, Add	21.57	
For >75 To 150, Add	9.96	
For >500 To 1,000, Deduct	-2.65	
For >1,000 To 2,000, Deduct	-5.14	
For >2,000 To 5,000, Deduct	-7.95	
For >5,000, Deduct	-11.61	
33 01 30 71-0012 LF 72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	108.70	
For Up To 75, Add	23.54	
For >75 To 150, Add	10.87	
For >500 To 1,000, Deduct	-2.89	
For >1,000 To 2,000, Deduct	-5.61	
For >2,000 To 5,000, Deduct	-8.68	
For >5,000, Deduct	-12.67	
33 01 30 71-0013 LF 78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	117.75	
For Up To 75, Add	25.50	
For >75 To 150, Add	11.78	
For >500 To 1,000, Deduct	-3.13	
For >1,000 To 2,000, Deduct	-6.07	
For >2,000 To 5,000, Deduct	-9.40	
For >5,000, Deduct	-13.72	
33 01 30 71-0014 LF 84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	126.81	
For Up To 75, Add	27.46	
For >75 To 150, Add	12.68	
For >500 To 1,000, Deduct	-3.37	
For >1,000 To 2,000, Deduct	-6.54	
For >2,000 To 5,000, Deduct	-10.12	
For >5,000, Deduct	-14.78	
33 01 30 71-0015 LF 90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	135.87	
For Up To 75, Add	29.42	
For >75 To 150, Add	13.59	
For >500 To 1,000, Deduct	-3.62	
For >1,000 To 2,000, Deduct	-7.01	
For >2,000 To 5,000, Deduct	-10.85	
For >5,000, Deduct	-15.83	
33 01 30 71-0016 LF 96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	144.92	
For Up To 75, Add	31.38	
For >75 To 150, Add	14.49	
For >500 To 1,000, Deduct	-3.86	
For >1,000 To 2,000, Deduct	-7.47	
For >2,000 To 5,000, Deduct	-11.57	
For >5,000, Deduct	-16.89	
33 01 30 71-0017 LF 102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	153.99	
For Up To 75, Add	33.34	
For >75 To 150, Add	15.40	
For >500 To 1,000, Deduct	-4.10	
For >1,000 To 2,000, Deduct	-7.94	
For >2,000 To 5,000, Deduct	-12.29	
For >5,000, Deduct	-17.94	
33 01 30 71-0018 LF 108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	163.04	
For Up To 75, Add	35.30	
For >75 To 150, Add	16.30	
For >500 To 1,000, Deduct	-4.34	
For >1,000 To 2,000, Deduct	-8.41	
For >2,000 To 5,000, Deduct	-13.01	
For >5,000, Deduct	-19.00	
33 01 30 71-0019 LF 114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	172.10	
For Up To 75, Add	37.26	
For >75 To 150, Add	17.21	
For >500 To 1,000, Deduct	-4.58	
For >1,000 To 2,000, Deduct	-8.87	
For >2,000 To 5,000, Deduct	-13.74	
For >5,000, Deduct	-20.05	
33 01 30 71-0020 LF 120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	181.16	
For Up To 75, Add	39.23	
For >75 To 150, Add	18.12	
For >500 To 1,000, Deduct	-4.82	
For >1,000 To 2,000, Deduct	-9.34	
For >2,000 To 5,000, Deduct	-14.46	
For >5,000, Deduct	-21.11	
33 01 30 71-0021 SF Structure Lining, Spray Applied With 100 mil Structural Polyurethane .....	5.77	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 01 30 71-0022 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane</b> <small>(33 01 30 71-0002)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0023 LF 36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	73.52	
For Up To 75, Add	15.65	
For >75 To 150, Add	7.35	
For >500 To 1,000, Deduct	-1.85	
For >1,000 To 2,000, Deduct	-3.60	
For >2,000 To 5,000, Deduct	-5.55	
For >5,000, Deduct	-8.30	
33 01 30 71-0024 LF 42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	85.77	
For Up To 75, Add	18.26	
For >75 To 150, Add	8.58	
For >500 To 1,000, Deduct	-2.16	
For >1,000 To 2,000, Deduct	-4.20	
For >2,000 To 5,000, Deduct	-6.47	
For >5,000, Deduct	-9.68	
33 01 30 71-0025 LF 48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	98.04	
For Up To 75, Add	20.87	
For >75 To 150, Add	9.80	
For >500 To 1,000, Deduct	-2.47	
For >1,000 To 2,000, Deduct	-4.80	
For >2,000 To 5,000, Deduct	-7.40	
For >5,000, Deduct	-11.06	
33 01 30 71-0026 LF 54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	110.28	
For Up To 75, Add	23.47	
For >75 To 150, Add	11.03	
For >500 To 1,000, Deduct	-2.77	
For >1,000 To 2,000, Deduct	-5.40	
For >2,000 To 5,000, Deduct	-8.32	
For >5,000, Deduct	-12.45	
33 01 30 71-0027 LF 60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	122.54	
For Up To 75, Add	26.08	
For >75 To 150, Add	12.25	
For >500 To 1,000, Deduct	-3.08	
For >1,000 To 2,000, Deduct	-6.00	
For >2,000 To 5,000, Deduct	-9.24	
For >5,000, Deduct	-13.83	
33 01 30 71-0028 LF 66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	134.79	
For Up To 75, Add	28.69	
For >75 To 150, Add	13.48	
For >500 To 1,000, Deduct	-3.39	
For >1,000 To 2,000, Deduct	-6.60	
For >2,000 To 5,000, Deduct	-10.17	
For >5,000, Deduct	-15.21	
33 01 30 71-0029 LF 72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	147.05	
For Up To 75, Add	31.30	
For >75 To 150, Add	14.71	
For >500 To 1,000, Deduct	-3.70	
For >1,000 To 2,000, Deduct	-7.21	
For >2,000 To 5,000, Deduct	-11.09	
For >5,000, Deduct	-16.60	
33 01 30 71-0030 LF 78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	159.29	
For Up To 75, Add	33.91	
For >75 To 150, Add	15.93	
For >500 To 1,000, Deduct	-4.00	
For >1,000 To 2,000, Deduct	-7.80	
For >2,000 To 5,000, Deduct	-12.01	
For >5,000, Deduct	-17.98	
33 01 30 71-0031 LF 84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	171.56	
For Up To 75, Add	36.52	
For >75 To 150, Add	17.16	
For >500 To 1,000, Deduct	-4.31	
For >1,000 To 2,000, Deduct	-8.41	
For >2,000 To 5,000, Deduct	-12.94	
For >5,000, Deduct	-19.36	
33 01 30 71-0032 LF 90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	183.80	
For Up To 75, Add	39.12	
For >75 To 150, Add	18.38	
For >500 To 1,000, Deduct	-4.62	
For >1,000 To 2,000, Deduct	-9.01	
For >2,000 To 5,000, Deduct	-13.86	
For >5,000, Deduct	-20.74	
33 01 30 71-0033 LF 96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	196.06	
For Up To 75, Add	41.73	
For >75 To 150, Add	19.61	
For >500 To 1,000, Deduct	-4.93	
For >1,000 To 2,000, Deduct	-9.61	
For >2,000 To 5,000, Deduct	-14.79	
For >5,000, Deduct	-22.13	
33 01 30 71-0034 LF 102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	208.32	
For Up To 75, Add	44.34	
For >75 To 150, Add	20.83	
For >500 To 1,000, Deduct	-5.24	
For >1,000 To 2,000, Deduct	-10.21	
For >2,000 To 5,000, Deduct	-15.71	
For >5,000, Deduct	-23.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0035 LF 108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	220.56	
<i>For Up To 75, Add</i>	46.95	
<i>For &gt;75 To 150, Add</i>	22.06	
<i>For &gt;500 To 1,000, Deduct</i>	-5.55	
<i>For &gt;1,000 To 2,000, Deduct</i>	-10.81	
<i>For &gt;2,000 To 5,000, Deduct</i>	-16.64	
<i>For &gt;5,000, Deduct</i>	-24.89	
33 01 30 71-0036 LF 114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	232.83	
<i>For Up To 75, Add</i>	49.56	
<i>For &gt;75 To 150, Add</i>	23.28	
<i>For &gt;500 To 1,000, Deduct</i>	-5.85	
<i>For &gt;1,000 To 2,000, Deduct</i>	-11.41	
<i>For &gt;2,000 To 5,000, Deduct</i>	-17.56	
<i>For &gt;5,000, Deduct</i>	-26.28	
33 01 30 71-0037 LF 120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	245.08	
<i>For Up To 75, Add</i>	52.17	
<i>For &gt;75 To 150, Add</i>	24.51	
<i>For &gt;500 To 1,000, Deduct</i>	-6.16	
<i>For &gt;1,000 To 2,000, Deduct</i>	-12.01	
<i>For &gt;2,000 To 5,000, Deduct</i>	-18.49	
<i>For &gt;5,000, Deduct</i>	-27.66	
33 01 30 71-0038 SF Structure Lining, Spray Applied With 150 mil Structural Polyurethane .....	7.80	
<b>33 01 30 71-0039 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane</b> <small>(33 01 30 71-0002)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0040 LF 36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	92.67	
<i>For Up To 75, Add</i>	19.53	
<i>For &gt;75 To 150, Add</i>	9.27	
<i>For &gt;500 To 1,000, Deduct</i>	-2.25	
<i>For &gt;1,000 To 2,000, Deduct</i>	-4.40	
<i>For &gt;2,000 To 5,000, Deduct</i>	-6.75	
<i>For &gt;5,000, Deduct</i>	-10.26	
33 01 30 71-0041 LF 42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	108.12	
<i>For Up To 75, Add</i>	22.78	
<i>For &gt;75 To 150, Add</i>	10.81	
<i>For &gt;500 To 1,000, Deduct</i>	-2.63	
<i>For &gt;1,000 To 2,000, Deduct</i>	-5.14	
<i>For &gt;2,000 To 5,000, Deduct</i>	-7.88	
<i>For &gt;5,000, Deduct</i>	-11.97	
33 01 30 71-0042 LF 48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	123.57	
<i>For Up To 75, Add</i>	26.04	
<i>For &gt;75 To 150, Add</i>	12.36	
<i>For &gt;500 To 1,000, Deduct</i>	-3.00	
<i>For &gt;1,000 To 2,000, Deduct</i>	-5.87	
<i>For &gt;2,000 To 5,000, Deduct</i>	-9.01	
<i>For &gt;5,000, Deduct</i>	-13.68	
33 01 30 71-0043 LF 54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	139.02	
<i>For Up To 75, Add</i>	29.30	
<i>For &gt;75 To 150, Add</i>	13.90	
<i>For &gt;500 To 1,000, Deduct</i>	-3.38	
<i>For &gt;1,000 To 2,000, Deduct</i>	-6.61	
<i>For &gt;2,000 To 5,000, Deduct</i>	-10.13	
<i>For &gt;5,000, Deduct</i>	-15.39	
33 01 30 71-0044 LF 60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	154.46	
<i>For Up To 75, Add</i>	32.55	
<i>For &gt;75 To 150, Add</i>	15.45	
<i>For &gt;500 To 1,000, Deduct</i>	-3.75	
<i>For &gt;1,000 To 2,000, Deduct</i>	-7.34	
<i>For &gt;2,000 To 5,000, Deduct</i>	-11.26	
<i>For &gt;5,000, Deduct</i>	-17.10	
33 01 30 71-0045 LF 66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	169.91	
<i>For Up To 75, Add</i>	35.81	
<i>For &gt;75 To 150, Add</i>	16.99	
<i>For &gt;500 To 1,000, Deduct</i>	-4.13	
<i>For &gt;1,000 To 2,000, Deduct</i>	-8.07	
<i>For &gt;2,000 To 5,000, Deduct</i>	-12.38	
<i>For &gt;5,000, Deduct</i>	-18.82	
33 01 30 71-0046 LF 72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	185.36	
<i>For Up To 75, Add</i>	39.06	
<i>For &gt;75 To 150, Add</i>	18.54	
<i>For &gt;500 To 1,000, Deduct</i>	-4.50	
<i>For &gt;1,000 To 2,000, Deduct</i>	-8.81	
<i>For &gt;2,000 To 5,000, Deduct</i>	-13.51	
<i>For &gt;5,000, Deduct</i>	-20.53	
33 01 30 71-0047 LF 78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	200.79	
<i>For Up To 75, Add</i>	42.31	
<i>For &gt;75 To 150, Add</i>	20.08	
<i>For &gt;500 To 1,000, Deduct</i>	-4.88	
<i>For &gt;1,000 To 2,000, Deduct</i>	-9.54	
<i>For &gt;2,000 To 5,000, Deduct</i>	-14.63	
<i>For &gt;5,000, Deduct</i>	-22.23	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0048 LF 84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	216.25	
For Up To 75, Add	45.57	
For >75 To 150, Add	21.63	
For >500 To 1,000, Deduct	-5.25	
For >1,000 To 2,000, Deduct	-10.28	
For >2,000 To 5,000, Deduct	-15.76	
For >5,000, Deduct	-23.95	
33 01 30 71-0049 LF 90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	231.69	
For Up To 75, Add	48.83	
For >75 To 150, Add	23.17	
For >500 To 1,000, Deduct	-5.63	
For >1,000 To 2,000, Deduct	-11.01	
For >2,000 To 5,000, Deduct	-16.89	
For >5,000, Deduct	-25.66	
33 01 30 71-0050 LF 96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	247.15	
For Up To 75, Add	52.08	
For >75 To 150, Add	24.72	
For >500 To 1,000, Deduct	-6.00	
For >1,000 To 2,000, Deduct	-11.74	
For >2,000 To 5,000, Deduct	-18.01	
For >5,000, Deduct	-27.37	
33 01 30 71-0051 LF 102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	262.60	
For Up To 75, Add	55.34	
For >75 To 150, Add	26.26	
For >500 To 1,000, Deduct	-6.38	
For >1,000 To 2,000, Deduct	-12.48	
For >2,000 To 5,000, Deduct	-19.14	
For >5,000, Deduct	-29.08	
33 01 30 71-0052 LF 108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	278.04	
For Up To 75, Add	58.59	
For >75 To 150, Add	27.80	
For >500 To 1,000, Deduct	-6.75	
For >1,000 To 2,000, Deduct	-13.21	
For >2,000 To 5,000, Deduct	-20.26	
For >5,000, Deduct	-30.79	
33 01 30 71-0053 LF 114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	293.49	
For Up To 75, Add	61.85	
For >75 To 150, Add	29.35	
For >500 To 1,000, Deduct	-7.13	
For >1,000 To 2,000, Deduct	-13.94	
For >2,000 To 5,000, Deduct	-21.39	
For >5,000, Deduct	-32.50	
33 01 30 71-0054 LF 120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	308.94	
For Up To 75, Add	65.10	
For >75 To 150, Add	30.89	
For >500 To 1,000, Deduct	-7.51	
For >1,000 To 2,000, Deduct	-14.68	
For >2,000 To 5,000, Deduct	-22.52	
For >5,000, Deduct	-34.21	
33 01 30 71-0055 SF Structure Lining, Spray Applied With 200 mil Structural Polyurethane.....	9.83	
<b>33 01 30 71-0056 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane</b> <small>(33 01 30 71-0002)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0057 LF 36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	111.92	
For Up To 75, Add	23.43	
For >75 To 150, Add	11.19	
For >500 To 1,000, Deduct	-2.66	
For >1,000 To 2,000, Deduct	-5.21	
For >2,000 To 5,000, Deduct	-7.97	
For >5,000, Deduct	-12.24	
33 01 30 71-0058 LF 42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	130.58	
For Up To 75, Add	27.34	
For >75 To 150, Add	13.06	
For >500 To 1,000, Deduct	-3.10	
For >1,000 To 2,000, Deduct	-6.08	
For >2,000 To 5,000, Deduct	-9.30	
For >5,000, Deduct	-14.28	
33 01 30 71-0059 LF 48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	149.23	
For Up To 75, Add	31.24	
For >75 To 150, Add	14.92	
For >500 To 1,000, Deduct	-3.54	
For >1,000 To 2,000, Deduct	-6.95	
For >2,000 To 5,000, Deduct	-10.63	
For >5,000, Deduct	-16.32	
33 01 30 71-0060 LF 54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	167.88	
For Up To 75, Add	35.15	
For >75 To 150, Add	16.79	
For >500 To 1,000, Deduct	-3.99	
For >1,000 To 2,000, Deduct	-7.81	
For >2,000 To 5,000, Deduct	-11.96	
For >5,000, Deduct	-18.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0061 LF 60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	186.53	
<i>For Up To 75, Add</i>	39.05	
<i>For &gt;75 To 150, Add</i>	18.65	
<i>For &gt;500 To 1,000, Deduct</i>	-4.43	
<i>For &gt;1,000 To 2,000, Deduct</i>	-8.68	
<i>For &gt;2,000 To 5,000, Deduct</i>	-13.29	
<i>For &gt;5,000, Deduct</i>	-20.40	
33 01 30 71-0062 LF 66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	205.19	
<i>For Up To 75, Add</i>	42.96	
<i>For &gt;75 To 150, Add</i>	20.52	
<i>For &gt;500 To 1,000, Deduct</i>	-4.87	
<i>For &gt;1,000 To 2,000, Deduct</i>	-9.55	
<i>For &gt;2,000 To 5,000, Deduct</i>	-14.62	
<i>For &gt;5,000, Deduct</i>	-22.44	
33 01 30 71-0063 LF 72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	223.84	
<i>For Up To 75, Add</i>	46.86	
<i>For &gt;75 To 150, Add</i>	22.38	
<i>For &gt;500 To 1,000, Deduct</i>	-5.31	
<i>For &gt;1,000 To 2,000, Deduct</i>	-10.42	
<i>For &gt;2,000 To 5,000, Deduct</i>	-15.94	
<i>For &gt;5,000, Deduct</i>	-24.48	
33 01 30 71-0064 LF 78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	242.50	
<i>For Up To 75, Add</i>	50.77	
<i>For &gt;75 To 150, Add</i>	24.25	
<i>For &gt;500 To 1,000, Deduct</i>	-5.76	
<i>For &gt;1,000 To 2,000, Deduct</i>	-11.29	
<i>For &gt;2,000 To 5,000, Deduct</i>	-17.27	
<i>For &gt;5,000, Deduct</i>	-26.52	
33 01 30 71-0065 LF 84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	261.14	
<i>For Up To 75, Add</i>	54.67	
<i>For &gt;75 To 150, Add</i>	26.11	
<i>For &gt;500 To 1,000, Deduct</i>	-6.20	
<i>For &gt;1,000 To 2,000, Deduct</i>	-12.16	
<i>For &gt;2,000 To 5,000, Deduct</i>	-18.60	
<i>For &gt;5,000, Deduct</i>	-28.56	
33 01 30 71-0066 LF 90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	279.81	
<i>For Up To 75, Add</i>	58.58	
<i>For &gt;75 To 150, Add</i>	27.98	
<i>For &gt;500 To 1,000, Deduct</i>	-6.64	
<i>For &gt;1,000 To 2,000, Deduct</i>	-13.03	
<i>For &gt;2,000 To 5,000, Deduct</i>	-19.93	
<i>For &gt;5,000, Deduct</i>	-30.60	
33 01 30 71-0067 LF 96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	298.46	
<i>For Up To 75, Add</i>	62.48	
<i>For &gt;75 To 150, Add</i>	29.85	
<i>For &gt;500 To 1,000, Deduct</i>	-7.09	
<i>For &gt;1,000 To 2,000, Deduct</i>	-13.89	
<i>For &gt;2,000 To 5,000, Deduct</i>	-21.26	
<i>For &gt;5,000, Deduct</i>	-32.64	
33 01 30 71-0068 LF 102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	317.11	
<i>For Up To 75, Add</i>	66.39	
<i>For &gt;75 To 150, Add</i>	31.71	
<i>For &gt;500 To 1,000, Deduct</i>	-7.53	
<i>For &gt;1,000 To 2,000, Deduct</i>	-14.76	
<i>For &gt;2,000 To 5,000, Deduct</i>	-22.59	
<i>For &gt;5,000, Deduct</i>	-34.68	
33 01 30 71-0069 LF 108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	335.76	
<i>For Up To 75, Add</i>	70.29	
<i>For &gt;75 To 150, Add</i>	33.58	
<i>For &gt;500 To 1,000, Deduct</i>	-7.97	
<i>For &gt;1,000 To 2,000, Deduct</i>	-15.63	
<i>For &gt;2,000 To 5,000, Deduct</i>	-23.92	
<i>For &gt;5,000, Deduct</i>	-36.72	
33 01 30 71-0070 LF 114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	354.43	
<i>For Up To 75, Add</i>	74.20	
<i>For &gt;75 To 150, Add</i>	35.44	
<i>For &gt;500 To 1,000, Deduct</i>	-8.42	
<i>For &gt;1,000 To 2,000, Deduct</i>	-16.50	
<i>For &gt;2,000 To 5,000, Deduct</i>	-25.25	
<i>For &gt;5,000, Deduct</i>	-38.76	
33 01 30 71-0071 LF 120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	373.08	
<i>For Up To 75, Add</i>	78.11	
<i>For &gt;75 To 150, Add</i>	37.31	
<i>For &gt;500 To 1,000, Deduct</i>	-8.86	
<i>For &gt;1,000 To 2,000, Deduct</i>	-17.37	
<i>For &gt;2,000 To 5,000, Deduct</i>	-26.57	
<i>For &gt;5,000, Deduct</i>	-40.80	
33 01 30 71-0072 SF Structure Lining, Spray Applied With 250 mil Structural Polyurethane .....	11.88	
 33 01 30 71-0073 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane (33 01 30 71-0002)		
Note: Two part structural polyurethane.		

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0074 LF 36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	131.29	
For Up To 75, Add	27.36	
For >75 To 150, Add	13.13	
For >500 To 1,000, Deduct	-3.07	
For >1,000 To 2,000, Deduct	-6.02	
For >2,000 To 5,000, Deduct	-9.20	
For >5,000, Deduct	-14.23	
33 01 30 71-0075 LF 42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	153.17	
For Up To 75, Add	31.92	
For >75 To 150, Add	15.32	
For >500 To 1,000, Deduct	-3.58	
For >1,000 To 2,000, Deduct	-7.03	
For >2,000 To 5,000, Deduct	-10.73	
For >5,000, Deduct	-16.60	
33 01 30 71-0076 LF 48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	175.06	
For Up To 75, Add	36.48	
For >75 To 150, Add	17.51	
For >500 To 1,000, Deduct	-4.09	
For >1,000 To 2,000, Deduct	-8.03	
For >2,000 To 5,000, Deduct	-12.27	
For >5,000, Deduct	-18.98	
33 01 30 71-0077 LF 54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	196.93	
For Up To 75, Add	41.04	
For >75 To 150, Add	19.69	
For >500 To 1,000, Deduct	-4.60	
For >1,000 To 2,000, Deduct	-9.03	
For >2,000 To 5,000, Deduct	-13.80	
For >5,000, Deduct	-21.35	
33 01 30 71-0078 LF 60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	218.82	
For Up To 75, Add	45.60	
For >75 To 150, Add	21.88	
For >500 To 1,000, Deduct	-5.11	
For >1,000 To 2,000, Deduct	-10.04	
For >2,000 To 5,000, Deduct	-15.33	
For >5,000, Deduct	-23.72	
33 01 30 71-0079 LF 66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	240.70	
For Up To 75, Add	50.16	
For >75 To 150, Add	24.07	
For >500 To 1,000, Deduct	-5.62	
For >1,000 To 2,000, Deduct	-11.04	
For >2,000 To 5,000, Deduct	-16.87	
For >5,000, Deduct	-26.09	
33 01 30 71-0080 LF 72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	262.57	
For Up To 75, Add	54.72	
For >75 To 150, Add	26.26	
For >500 To 1,000, Deduct	-6.13	
For >1,000 To 2,000, Deduct	-12.05	
For >2,000 To 5,000, Deduct	-18.40	
For >5,000, Deduct	-28.46	
33 01 30 71-0081 LF 78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	284.46	
For Up To 75, Add	59.28	
For >75 To 150, Add	28.45	
For >500 To 1,000, Deduct	-6.64	
For >1,000 To 2,000, Deduct	-13.05	
For >2,000 To 5,000, Deduct	-19.93	
For >5,000, Deduct	-30.83	
33 01 30 71-0082 LF 84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	306.34	
For Up To 75, Add	63.84	
For >75 To 150, Add	30.63	
For >500 To 1,000, Deduct	-7.16	
For >1,000 To 2,000, Deduct	-14.05	
For >2,000 To 5,000, Deduct	-21.47	
For >5,000, Deduct	-33.21	
33 01 30 71-0083 LF 90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	328.22	
For Up To 75, Add	68.40	
For >75 To 150, Add	32.82	
For >500 To 1,000, Deduct	-7.67	
For >1,000 To 2,000, Deduct	-15.06	
For >2,000 To 5,000, Deduct	-23.00	
For >5,000, Deduct	-35.58	
33 01 30 71-0084 LF 96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	350.10	
For Up To 75, Add	72.96	
For >75 To 150, Add	35.01	
For >500 To 1,000, Deduct	-8.18	
For >1,000 To 2,000, Deduct	-16.06	
For >2,000 To 5,000, Deduct	-24.53	
For >5,000, Deduct	-37.95	
33 01 30 71-0085 LF 102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	371.98	
For Up To 75, Add	77.52	
For >75 To 150, Add	37.20	
For >500 To 1,000, Deduct	-8.69	
For >1,000 To 2,000, Deduct	-17.07	
For >2,000 To 5,000, Deduct	-26.07	
For >5,000, Deduct	-40.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0086 LF 108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	393.86	
<i>For Up To 75, Add</i>	82.08	
<i>For &gt;75 To 150, Add</i>	39.39	
<i>For &gt;500 To 1,000, Deduct</i>	-9.20	
<i>For &gt;1,000 To 2,000, Deduct</i>	-18.07	
<i>For &gt;2,000 To 5,000, Deduct</i>	-27.60	
<i>For &gt;5,000, Deduct</i>	-42.69	
33 01 30 71-0087 LF 114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	415.75	
<i>For Up To 75, Add</i>	86.64	
<i>For &gt;75 To 150, Add</i>	41.58	
<i>For &gt;500 To 1,000, Deduct</i>	-9.71	
<i>For &gt;1,000 To 2,000, Deduct</i>	-19.07	
<i>For &gt;2,000 To 5,000, Deduct</i>	-29.13	
<i>For &gt;5,000, Deduct</i>	-45.07	
33 01 30 71-0088 LF 120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	437.63	
<i>For Up To 75, Add</i>	91.20	
<i>For &gt;75 To 150, Add</i>	43.76	
<i>For &gt;500 To 1,000, Deduct</i>	-10.22	
<i>For &gt;1,000 To 2,000, Deduct</i>	-20.08	
<i>For &gt;2,000 To 5,000, Deduct</i>	-30.67	
<i>For &gt;5,000, Deduct</i>	-47.44	
33 01 30 71-0089 SF Structure Lining, Spray Applied With 300 mil Structural Polyurethane .....	13.93	
<b>33 01 30 71-0090 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane</b> <small>(33 01 30 71-0002)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0091 LF 36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	170.06	
<i>For Up To 75, Add</i>	35.24	
<i>For &gt;75 To 150, Add</i>	17.01	
<i>For &gt;500 To 1,000, Deduct</i>	-3.89	
<i>For &gt;1,000 To 2,000, Deduct</i>	-7.66	
<i>For &gt;2,000 To 5,000, Deduct</i>	-11.67	
<i>For &gt;5,000, Deduct</i>	-18.23	
33 01 30 71-0092 LF 42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	198.40	
<i>For Up To 75, Add</i>	41.11	
<i>For &gt;75 To 150, Add</i>	19.84	
<i>For &gt;500 To 1,000, Deduct</i>	-4.54	
<i>For &gt;1,000 To 2,000, Deduct</i>	-8.94	
<i>For &gt;2,000 To 5,000, Deduct</i>	-13.62	
<i>For &gt;5,000, Deduct</i>	-21.27	
33 01 30 71-0093 LF 48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	226.75	
<i>For Up To 75, Add</i>	46.98	
<i>For &gt;75 To 150, Add</i>	22.68	
<i>For &gt;500 To 1,000, Deduct</i>	-5.19	
<i>For &gt;1,000 To 2,000, Deduct</i>	-10.21	
<i>For &gt;2,000 To 5,000, Deduct</i>	-15.56	
<i>For &gt;5,000, Deduct</i>	-24.31	
33 01 30 71-0094 LF 54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	255.10	
<i>For Up To 75, Add</i>	52.86	
<i>For &gt;75 To 150, Add</i>	25.51	
<i>For &gt;500 To 1,000, Deduct</i>	-5.84	
<i>For &gt;1,000 To 2,000, Deduct</i>	-11.49	
<i>For &gt;2,000 To 5,000, Deduct</i>	-17.51	
<i>For &gt;5,000, Deduct</i>	-27.35	
33 01 30 71-0095 LF 60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	283.43	
<i>For Up To 75, Add</i>	58.73	
<i>For &gt;75 To 150, Add</i>	28.34	
<i>For &gt;500 To 1,000, Deduct</i>	-6.49	
<i>For &gt;1,000 To 2,000, Deduct</i>	-12.77	
<i>For &gt;2,000 To 5,000, Deduct</i>	-19.46	
<i>For &gt;5,000, Deduct</i>	-30.38	
33 01 30 71-0096 LF 66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	311.79	
<i>For Up To 75, Add</i>	64.60	
<i>For &gt;75 To 150, Add</i>	31.18	
<i>For &gt;500 To 1,000, Deduct</i>	-7.13	
<i>For &gt;1,000 To 2,000, Deduct</i>	-14.04	
<i>For &gt;2,000 To 5,000, Deduct</i>	-21.40	
<i>For &gt;5,000, Deduct</i>	-33.43	
33 01 30 71-0097 LF 72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	340.12	
<i>For Up To 75, Add</i>	70.47	
<i>For &gt;75 To 150, Add</i>	34.01	
<i>For &gt;500 To 1,000, Deduct</i>	-7.78	
<i>For &gt;1,000 To 2,000, Deduct</i>	-15.32	
<i>For &gt;2,000 To 5,000, Deduct</i>	-23.35	
<i>For &gt;5,000, Deduct</i>	-36.46	
33 01 30 71-0098 LF 78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	368.47	
<i>For Up To 75, Add</i>	76.35	
<i>For &gt;75 To 150, Add</i>	36.85	
<i>For &gt;500 To 1,000, Deduct</i>	-8.43	
<i>For &gt;1,000 To 2,000, Deduct</i>	-16.60	
<i>For &gt;2,000 To 5,000, Deduct</i>	-25.29	
<i>For &gt;5,000, Deduct</i>	-39.50	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0099 LF 84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	396.81	
For Up To 75, Add	82.22	
For >75 To 150, Add	39.68	
For >500 To 1,000, Deduct	-9.08	
For >1,000 To 2,000, Deduct	-17.87	
For >2,000 To 5,000, Deduct	-27.24	
For >5,000, Deduct	-42.54	
33 01 30 71-0100 LF 90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	425.15	
For Up To 75, Add	88.09	
For >75 To 150, Add	42.52	
For >500 To 1,000, Deduct	-9.73	
For >1,000 To 2,000, Deduct	-19.15	
For >2,000 To 5,000, Deduct	-29.18	
For >5,000, Deduct	-45.58	
33 01 30 71-0101 LF 96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	453.49	
For Up To 75, Add	93.96	
For >75 To 150, Add	45.35	
For >500 To 1,000, Deduct	-10.38	
For >1,000 To 2,000, Deduct	-20.43	
For >2,000 To 5,000, Deduct	-31.13	
For >5,000, Deduct	-48.62	
33 01 30 71-0102 LF 102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	481.84	
For Up To 75, Add	99.84	
For >75 To 150, Add	48.18	
For >500 To 1,000, Deduct	-11.03	
For >1,000 To 2,000, Deduct	-21.70	
For >2,000 To 5,000, Deduct	-33.08	
For >5,000, Deduct	-51.65	
33 01 30 71-0103 LF 108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	510.18	
For Up To 75, Add	105.71	
For >75 To 150, Add	51.02	
For >500 To 1,000, Deduct	-11.67	
For >1,000 To 2,000, Deduct	-22.98	
For >2,000 To 5,000, Deduct	-35.02	
For >5,000, Deduct	-54.69	
33 01 30 71-0104 LF 114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	538.52	
For Up To 75, Add	111.58	
For >75 To 150, Add	53.85	
For >500 To 1,000, Deduct	-12.32	
For >1,000 To 2,000, Deduct	-24.26	
For >2,000 To 5,000, Deduct	-36.97	
For >5,000, Deduct	-57.73	
33 01 30 71-0105 LF 120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	566.87	
For Up To 75, Add	117.46	
For >75 To 150, Add	56.69	
For >500 To 1,000, Deduct	-12.97	
For >1,000 To 2,000, Deduct	-25.53	
For >2,000 To 5,000, Deduct	-38.91	
For >5,000, Deduct	-60.77	
33 01 30 71-0106 SF Structure Lining, Spray Applied With 400 mil Structural Polyurethane.....	18.04	
<b>33 01 30 71-0107 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane</b> (33 01 30 71-0002)		
Note: Two part structural polyurethane.		
33 01 30 71-0108 LF 36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	209.17	
For Up To 75, Add	43.20	
For >75 To 150, Add	20.92	
For >500 To 1,000, Deduct	-4.73	
For >1,000 To 2,000, Deduct	-9.32	
For >2,000 To 5,000, Deduct	-14.18	
For >5,000, Deduct	-22.28	
33 01 30 71-0109 LF 42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	244.03	
For Up To 75, Add	50.39	
For >75 To 150, Add	24.40	
For >500 To 1,000, Deduct	-5.52	
For >1,000 To 2,000, Deduct	-10.87	
For >2,000 To 5,000, Deduct	-16.55	
For >5,000, Deduct	-25.99	
33 01 30 71-0110 LF 48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	278.90	
For Up To 75, Add	57.59	
For >75 To 150, Add	27.89	
For >500 To 1,000, Deduct	-6.30	
For >1,000 To 2,000, Deduct	-12.43	
For >2,000 To 5,000, Deduct	-18.91	
For >5,000, Deduct	-29.70	
33 01 30 71-0111 LF 54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	313.75	
For Up To 75, Add	64.79	
For >75 To 150, Add	31.38	
For >500 To 1,000, Deduct	-7.09	
For >1,000 To 2,000, Deduct	-13.98	
For >2,000 To 5,000, Deduct	-21.27	
For >5,000, Deduct	-33.42	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0112 LF 60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	348.62	
For Up To 75, Add	71.99	
For >75 To 150, Add	34.86	
For >500 To 1,000, Deduct	-7.88	
For >1,000 To 2,000, Deduct	-15.53	
For >2,000 To 5,000, Deduct	-23.64	
For >5,000, Deduct	-37.13	
33 01 30 71-0113 LF 66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	383.48	
For Up To 75, Add	79.19	
For >75 To 150, Add	38.35	
For >500 To 1,000, Deduct	-8.67	
For >1,000 To 2,000, Deduct	-17.09	
For >2,000 To 5,000, Deduct	-26.00	
For >5,000, Deduct	-40.84	
33 01 30 71-0114 LF 72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	418.34	
For Up To 75, Add	86.39	
For >75 To 150, Add	41.83	
For >500 To 1,000, Deduct	-9.46	
For >1,000 To 2,000, Deduct	-18.64	
For >2,000 To 5,000, Deduct	-28.37	
For >5,000, Deduct	-44.56	
33 01 30 71-0115 LF 78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	453.21	
For Up To 75, Add	93.59	
For >75 To 150, Add	45.32	
For >500 To 1,000, Deduct	-10.24	
For >1,000 To 2,000, Deduct	-20.19	
For >2,000 To 5,000, Deduct	-30.73	
For >5,000, Deduct	-48.27	
33 01 30 71-0116 LF 84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	488.07	
For Up To 75, Add	100.79	
For >75 To 150, Add	48.81	
For >500 To 1,000, Deduct	-11.03	
For >1,000 To 2,000, Deduct	-21.75	
For >2,000 To 5,000, Deduct	-33.09	
For >5,000, Deduct	-51.98	
33 01 30 71-0117 LF 90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	522.94	
For Up To 75, Add	107.99	
For >75 To 150, Add	52.29	
For >500 To 1,000, Deduct	-11.82	
For >1,000 To 2,000, Deduct	-23.30	
For >2,000 To 5,000, Deduct	-35.46	
For >5,000, Deduct	-55.70	
33 01 30 71-0118 LF 96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	557.79	
For Up To 75, Add	115.19	
For >75 To 150, Add	55.78	
For >500 To 1,000, Deduct	-12.61	
For >1,000 To 2,000, Deduct	-24.85	
For >2,000 To 5,000, Deduct	-37.82	
For >5,000, Deduct	-59.41	
33 01 30 71-0119 LF 102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	592.66	
For Up To 75, Add	122.39	
For >75 To 150, Add	59.27	
For >500 To 1,000, Deduct	-13.40	
For >1,000 To 2,000, Deduct	-26.41	
For >2,000 To 5,000, Deduct	-40.19	
For >5,000, Deduct	-63.12	
33 01 30 71-0120 LF 108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	627.52	
For Up To 75, Add	129.59	
For >75 To 150, Add	62.75	
For >500 To 1,000, Deduct	-14.18	
For >1,000 To 2,000, Deduct	-27.96	
For >2,000 To 5,000, Deduct	-42.55	
For >5,000, Deduct	-66.84	
33 01 30 71-0121 LF 114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	662.38	
For Up To 75, Add	136.79	
For >75 To 150, Add	66.24	
For >500 To 1,000, Deduct	-14.97	
For >1,000 To 2,000, Deduct	-29.51	
For >2,000 To 5,000, Deduct	-44.91	
For >5,000, Deduct	-70.55	
33 01 30 71-0122 LF 120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	697.25	
For Up To 75, Add	143.99	
For >75 To 150, Add	69.73	
For >500 To 1,000, Deduct	-15.76	
For >1,000 To 2,000, Deduct	-31.07	
For >2,000 To 5,000, Deduct	-47.28	
For >5,000, Deduct	-74.26	
33 01 30 71-0123 SF Structure Lining, Spray Applied With 500 mil Structural Polyurethane .....	22.20	

**33 01 30 72 Cured-in-Place Pipe Lining** (33 01 30)

33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines (33 01 30 72)

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 72-0002 Cured In-Place Pipe (CIPP) Lining Set-Up And Reinsertion (33 01 30 72-0001)

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0003 EA Initial Set Up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,540.91	
33 01 30 72-0004 EA Initial Set Up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	2,568.19	
33 01 30 72-0005 EA Initial Set Up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	3,852.29	
33 01 30 72-0006 EA Initial Set Up And Final Equipment Removal For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	5,136.38	
33 01 30 72-0007 EA Move And Reset Up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	770.46	
33 01 30 72-0008 EA Move And Reset Up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,284.10	
33 01 30 72-0009 EA Move And Reset Up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,605.12	
33 01 30 72-0010 EA Move And Reset Up At Different Access/Location For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	2,054.55	
33 01 30 72-0011 EA Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) ..... Note: Need to mix wet material in bag prior to installation.	1,284.10	
33 01 30 72-0012 EA Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP)..... Note: Need to mix wet material in bag prior to installation.	3,081.83	
33 01 30 72-0013 EA Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP)..... Note: Need to mix wet material in bag prior to installation.	5,136.38	
33 01 30 72-0014 EA Mixing Truck And Refrigeration For Relining >48" Underground Pipelines Cured In-Place Pipe (CIPP) ..... Note: Need to mix wet material in bag prior to installation.	7,704.57	
<b>33 01 30 72-0015 Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP)</b> <small>(33 01 30 72-0001)</small> Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting. Use round equivalent pipe sizes for elliptical, oval or arched pipe.		
<b>33 01 30 72-0016 4.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0017 LF 4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	19.88	
For Vinylster Resin, Add	4.47	
For Epoxy Resin, Add	0.53	
For Up To >10, Add	43.67	
For >10 To 25, Add	35.32	
For >25 To 50, Add	21.51	
For >50 To 100, Add	10.76	
For >500 To 1,000, Deduct	-1.33	
For >1,000 To 2,000, Deduct	-2.17	
For >2,000 To 5,000, Deduct	-4.14	
For >5,000, Deduct	-6.67	
33 01 30 72-0018 LF 4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	23.39	
For Vinylster Resin, Add	6.93	
For Epoxy Resin, Add	0.82	
For Up To >10, Add	45.42	
For >10 To 25, Add	36.20	
For >25 To 50, Add	22.22	
For >50 To 100, Add	11.11	
For >500 To 1,000, Deduct	-1.51	
For >1,000 To 2,000, Deduct	-2.43	
For >2,000 To 5,000, Deduct	-4.56	
For >5,000, Deduct	-7.38	
33 01 30 72-0019 LF 4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	26.89	
For Vinylster Resin, Add	9.38	
For Epoxy Resin, Add	1.11	
For Up To >10, Add	47.17	
For >10 To 25, Add	37.08	
For >25 To 50, Add	22.92	
For >50 To 100, Add	11.46	
For >500 To 1,000, Deduct	-1.68	
For >1,000 To 2,000, Deduct	-2.69	
For >2,000 To 5,000, Deduct	-4.98	
For >5,000, Deduct	-8.08	
33 01 30 72-0020 LF 4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	35.19	
For Vinylster Resin, Add	14.29	
For Epoxy Resin, Add	1.68	
For Up To >10, Add	54.52	
For >10 To 25, Add	42.03	
For >25 To 50, Add	26.24	
For >50 To 100, Add	13.12	
For >500 To 1,000, Deduct	-2.13	
For >1,000 To 2,000, Deduct	-3.38	
For >2,000 To 5,000, Deduct	-6.14	
For >5,000, Deduct	-9.99	
33 01 30 72-0021 LF 4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	43.48	
For Vinylster Resin, Add	19.20	
For Epoxy Resin, Add	2.26	
For Up To >10, Add	61.87	
For >10 To 25, Add	46.98	
For >25 To 50, Add	29.56	
For >50 To 100, Add	14.78	
For >500 To 1,000, Deduct	-2.58	
For >1,000 To 2,000, Deduct	-4.06	
For >2,000 To 5,000, Deduct	-7.30	
For >5,000, Deduct	-11.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 01 30 72-0022    6mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0023    LF    6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	26.41	
For Vinlyester Resin, Add	9.04	
For Epoxy Resin, Add	1.07	
For Up To >10, Add	46.93	
For >10 To 25, Add	36.96	
For >25 To 50, Add	22.82	
For >50 To 100, Add	11.41	
For >500 To 1,000, Deduct	-1.66	
For >1,000 To 2,000, Deduct	-2.66	
For >2,000 To 5,000, Deduct	-4.92	
For >5,000, Deduct	-7.98	
33 01 30 72-0024    LF    6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	31.09	
For Vinlyester Resin, Add	12.32	
For Epoxy Resin, Add	1.45	
For Up To >10, Add	49.27	
For >10 To 25, Add	38.13	
For >25 To 50, Add	23.76	
For >50 To 100, Add	11.88	
For >500 To 1,000, Deduct	-1.89	
For >1,000 To 2,000, Deduct	-3.01	
For >2,000 To 5,000, Deduct	-5.48	
For >5,000, Deduct	-8.92	
33 01 30 72-0025    LF    6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	41.72	
For Vinlyester Resin, Add	18.87	
For Epoxy Resin, Add	2.22	
For Up To >10, Add	57.79	
For >10 To 25, Add	43.66	
For >25 To 50, Add	27.55	
For >50 To 100, Add	13.77	
For >500 To 1,000, Deduct	-2.46	
For >1,000 To 2,000, Deduct	-3.87	
For >2,000 To 5,000, Deduct	-6.93	
For >5,000, Deduct	-11.30	
33 01 30 72-0026    LF    6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	52.35	
For Vinlyester Resin, Add	25.41	
For Epoxy Resin, Add	2.99	
For Up To >10, Add	66.30	
For >10 To 25, Add	49.20	
For >25 To 50, Add	31.34	
For >50 To 100, Add	15.67	
For >500 To 1,000, Deduct	-3.02	
For >1,000 To 2,000, Deduct	-4.73	
For >2,000 To 5,000, Deduct	-8.37	
For >5,000, Deduct	-13.68	
33 01 30 72-0027    LF    6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	63.11	
For Vinlyester Resin, Add	31.96	
For Epoxy Resin, Add	3.77	
For Up To >10, Add	75.21	
For >10 To 25, Add	55.06	
For >25 To 50, Add	35.32	
For >50 To 100, Add	17.66	
For >500 To 1,000, Deduct	-3.59	
For >1,000 To 2,000, Deduct	-5.61	
For >2,000 To 5,000, Deduct	-9.84	
For >5,000, Deduct	-16.11	
33 01 30 72-0028    LF    6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	74.26	
For Vinlyester Resin, Add	38.50	
For Epoxy Resin, Add	4.54	
For Up To >10, Add	85.28	
For >10 To 25, Add	61.90	
For >25 To 50, Add	39.89	
For >50 To 100, Add	19.95	
For >500 To 1,000, Deduct	-4.19	
For >1,000 To 2,000, Deduct	-6.53	
For >2,000 To 5,000, Deduct	-11.42	
For >5,000, Deduct	-18.70	
<b>33 01 30 72-0029    7.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0030    LF    7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	35.14	
For Vinlyester Resin, Add	15.16	
For Epoxy Resin, Add	1.79	
For Up To >10, Add	51.30	
For >10 To 25, Add	39.14	
For >25 To 50, Add	24.57	
For >50 To 100, Add	12.28	
For >500 To 1,000, Deduct	-2.09	
For >1,000 To 2,000, Deduct	-3.31	
For >2,000 To 5,000, Deduct	-5.97	
For >5,000, Deduct	-9.73	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0031 LF 7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	48.11	
For Vinlyester Resin, Add	23.34	
For Epoxy Resin, Add	2.75	
For Up To >10, Add	60.98	
For >10 To 25, Add	45.26	
For >25 To 50, Add	28.82	
For >50 To 100, Add	14.41	
For >500 To 1,000, Deduct	-2.77	
For >1,000 To 2,000, Deduct	-4.35	
For >2,000 To 5,000, Deduct	-7.69	
For >5,000, Deduct	-12.58	
33 01 30 72-0032 LF 7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	61.08	
For Vinlyester Resin, Add	31.52	
For Epoxy Resin, Add	3.71	
For Up To >10, Add	70.67	
For >10 To 25, Add	51.38	
For >25 To 50, Add	33.08	
For >50 To 100, Add	16.54	
For >500 To 1,000, Deduct	-3.46	
For >1,000 To 2,000, Deduct	-5.38	
For >2,000 To 5,000, Deduct	-9.42	
For >5,000, Deduct	-15.43	
33 01 30 72-0033 LF 7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	74.18	
For Vinlyester Resin, Add	39.70	
For Epoxy Resin, Add	4.68	
For Up To >10, Add	80.74	
For >10 To 25, Add	57.83	
For >25 To 50, Add	37.53	
For >50 To 100, Add	18.77	
For >500 To 1,000, Deduct	-4.15	
For >1,000 To 2,000, Deduct	-6.44	
For >2,000 To 5,000, Deduct	-11.17	
For >5,000, Deduct	-18.33	
33 01 30 72-0034 LF 7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	87.66	
For Vinlyester Resin, Add	47.88	
For Epoxy Resin, Add	5.64	
For Up To >10, Add	91.98	
For >10 To 25, Add	65.25	
For >25 To 50, Add	42.57	
For >50 To 100, Add	21.29	
For >500 To 1,000, Deduct	-4.86	
For >1,000 To 2,000, Deduct	-7.54	
For >2,000 To 5,000, Deduct	-13.02	
For >5,000, Deduct	-21.38	
33 01 30 72-0035 LF 7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	107.77	
For Vinlyester Resin, Add	60.16	
For Epoxy Resin, Add	7.09	
For Up To >10, Add	108.46	
For >10 To 25, Add	76.06	
For >25 To 50, Add	49.93	
For >50 To 100, Add	24.97	
For >500 To 1,000, Deduct	-5.93	
For >1,000 To 2,000, Deduct	-9.17	
For >2,000 To 5,000, Deduct	-15.77	
For >5,000, Deduct	-25.92	
33 01 30 72-0036 LF 7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	128.13	
For Vinlyester Resin, Add	72.43	
For Epoxy Resin, Add	8.54	
For Up To >10, Add	125.72	
For >10 To 25, Add	87.52	
For >25 To 50, Add	57.68	
For >50 To 100, Add	28.84	
For >500 To 1,000, Deduct	-7.02	
For >1,000 To 2,000, Deduct	-10.84	
For >2,000 To 5,000, Deduct	-18.58	
For >5,000, Deduct	-30.56	
<b>33 01 30 72-0037 9mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>.....</b>	<b>54.36</b>	
33 01 30 72-0038 LF 9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	54.36	
For Vinlyester Resin, Add	27.71	
For Epoxy Resin, Add	3.27	
For Up To >10, Add	64.11	
For >10 To 25, Add	46.82	
For >25 To 50, Add	30.07	
For >50 To 100, Add	15.04	
For >500 To 1,000, Deduct	-3.09	
For >1,000 To 2,000, Deduct	-4.82	
For >2,000 To 5,000, Deduct	-8.44	
For >5,000, Deduct	-13.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0039 LF 9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	69.67	
For Vinlyester Resin, Add	37.53	
For Epoxy Resin, Add	4.42	
For Up To >10, Add	74.96	
For >10 To 25, Add	53.53	
For >25 To 50, Add	34.80	
For >50 To 100, Add	17.40	
For >500 To 1,000, Deduct	-3.88	
For >1,000 To 2,000, Deduct	-6.03	
For >2,000 To 5,000, Deduct	-10.45	
For >5,000, Deduct	-17.14	
33 01 30 72-0040 LF 9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	85.11	
For Vinlyester Resin, Add	47.36	
For Epoxy Resin, Add	5.58	
For Up To >10, Add	86.21	
For >10 To 25, Add	60.56	
For >25 To 50, Add	39.72	
For >50 To 100, Add	19.86	
For >500 To 1,000, Deduct	-4.69	
For >1,000 To 2,000, Deduct	-7.26	
For >2,000 To 5,000, Deduct	-12.48	
For >5,000, Deduct	-20.51	
33 01 30 72-0041 LF 9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	100.93	
For Vinlyester Resin, Add	57.17	
For Epoxy Resin, Add	6.74	
For Up To >10, Add	98.62	
For >10 To 25, Add	68.57	
For >25 To 50, Add	45.22	
For >50 To 100, Add	22.61	
For >500 To 1,000, Deduct	-5.53	
For >1,000 To 2,000, Deduct	-8.53	
For >2,000 To 5,000, Deduct	-14.62	
For >5,000, Deduct	-24.04	
33 01 30 72-0042 LF 9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	124.54	
For Vinlyester Resin, Add	71.90	
For Epoxy Resin, Add	8.47	
For Up To >10, Add	116.85	
For >10 To 25, Add	80.25	
For >25 To 50, Add	53.29	
For >50 To 100, Add	26.64	
For >500 To 1,000, Deduct	-6.77	
For >1,000 To 2,000, Deduct	-10.43	
For >2,000 To 5,000, Deduct	-17.78	
For >5,000, Deduct	-29.27	
33 01 30 72-0043 LF 9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	148.41	
For Vinlyester Resin, Add	86.63	
For Epoxy Resin, Add	10.21	
For Up To >10, Add	135.86	
For >10 To 25, Add	92.59	
For >25 To 50, Add	61.74	
For >50 To 100, Add	30.87	
For >500 To 1,000, Deduct	-8.04	
For >1,000 To 2,000, Deduct	-12.36	
For >2,000 To 5,000, Deduct	-21.02	
For >5,000, Deduct	-34.61	
33 01 30 72-0044 LF 9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	171.49	
For Vinlyester Resin, Add	101.35	
For Epoxy Resin, Add	11.94	
For Up To >10, Add	152.52	
For >10 To 25, Add	102.97	
For >25 To 50, Add	69.02	
For >50 To 100, Add	34.51	
For >500 To 1,000, Deduct	-9.24	
For >1,000 To 2,000, Deduct	-14.20	
For >2,000 To 5,000, Deduct	-24.05	
For >5,000, Deduct	-39.64	
33 01 30 72-0045 LF 9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	194.97	
For Vinlyester Resin, Add	116.07	
For Epoxy Resin, Add	13.68	
For Up To >10, Add	170.36	
For >10 To 25, Add	114.33	
For >25 To 50, Add	76.89	
For >50 To 100, Add	38.44	
For >500 To 1,000, Deduct	-10.48	
For >1,000 To 2,000, Deduct	-16.08	
For >2,000 To 5,000, Deduct	-27.19	
For >5,000, Deduct	-44.82	

33 01 30 72-0046 10.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0047 LF 10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	141.17	
For Vinlyester Resin, Add	83.54	
For Epoxy Resin, Add	9.85	
For Up To >10, Add	125.16	
For >10 To 25, Add	84.41	
For >25 To 50, Add	56.61	
For >50 To 100, Add	28.31	
For >500 To 1,000, Deduct	-7.60	
For >1,000 To 2,000, Deduct	-11.68	
For >2,000 To 5,000, Deduct	-19.78	
For >5,000, Deduct	-32.60	
33 01 30 72-0048 LF 10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	168.55	
For Vinlyester Resin, Add	100.72	
For Epoxy Resin, Add	11.87	
For Up To >10, Add	145.93	
For >10 To 25, Add	97.62	
For >25 To 50, Add	65.77	
For >50 To 100, Add	32.88	
For >500 To 1,000, Deduct	-9.04	
For >1,000 To 2,000, Deduct	-13.87	
For >2,000 To 5,000, Deduct	-23.43	
For >5,000, Deduct	-38.64	
33 01 30 72-0049 LF 10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	195.14	
For Vinlyester Resin, Add	117.90	
For Epoxy Resin, Add	13.90	
For Up To >10, Add	164.35	
For >10 To 25, Add	108.88	
For >25 To 50, Add	73.75	
For >50 To 100, Add	36.88	
For >500 To 1,000, Deduct	-10.42	
For >1,000 To 2,000, Deduct	-15.97	
For >2,000 To 5,000, Deduct	-26.89	
For >5,000, Deduct	-44.37	
33 01 30 72-0050 LF 10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	222.13	
For Vinlyester Resin, Add	135.09	
For Epoxy Resin, Add	15.92	
For Up To >10, Add	183.94	
For >10 To 25, Add	121.12	
For >25 To 50, Add	82.32	
For >50 To 100, Add	41.16	
For >500 To 1,000, Deduct	-11.84	
For >1,000 To 2,000, Deduct	-18.12	
For >2,000 To 5,000, Deduct	-30.45	
For >5,000, Deduct	-50.26	
33 01 30 72-0051 LF 10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	249.62	
For Vinlyester Resin, Add	152.26	
For Epoxy Resin, Add	17.95	
For Up To >10, Add	205.06	
For >10 To 25, Add	134.63	
For >25 To 50, Add	91.65	
For >50 To 100, Add	45.83	
For >500 To 1,000, Deduct	-13.28	
For >1,000 To 2,000, Deduct	-20.33	
For >2,000 To 5,000, Deduct	-34.13	
For >5,000, Deduct	-56.34	
33 01 30 72-0052 LF 10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	277.77	
For Vinlyester Resin, Add	169.45	
For Epoxy Resin, Add	19.97	
For Up To >10, Add	228.14	
For >10 To 25, Add	149.77	
For >25 To 50, Add	101.96	
For >50 To 100, Add	50.98	
For >500 To 1,000, Deduct	-14.78	
For >1,000 To 2,000, Deduct	-22.62	
For >2,000 To 5,000, Deduct	-37.97	
For >5,000, Deduct	-62.69	
33 01 30 72-0053 LF 10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	331.35	
For Vinlyester Resin, Add	203.81	
For Epoxy Resin, Add	24.02	
For Up To >10, Add	266.15	
For >10 To 25, Add	173.27	
For >25 To 50, Add	118.52	
For >50 To 100, Add	59.26	
For >500 To 1,000, Deduct	-17.57	
For >1,000 To 2,000, Deduct	-26.86	
For >2,000 To 5,000, Deduct	-44.99	
For >5,000, Deduct	-74.31	

33 01 30 72-0054 12mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0055 LF 12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	157.67	
For Vinylster Resin, Add	95.09	
For Epoxy Resin, Add	11.21	
For Up To >10, Add	133.41	
For >10 To 25, Add	88.54	
For >25 To 50, Add	59.91	
For >50 To 100, Add	29.96	
For >500 To 1,000, Deduct	-8.43	
For >1,000 To 2,000, Deduct	-12.92	
For >2,000 To 5,000, Deduct	-21.76	
For >5,000, Deduct	-35.90	
33 01 30 72-0056 LF 12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	188.55	
For Vinylster Resin, Add	114.72	
For Epoxy Resin, Add	13.52	
For Up To >10, Add	155.93	
For >10 To 25, Add	102.62	
For >25 To 50, Add	69.77	
For >50 To 100, Add	34.88	
For >500 To 1,000, Deduct	-10.04	
For >1,000 To 2,000, Deduct	-15.37	
For >2,000 To 5,000, Deduct	-25.83	
For >5,000, Deduct	-42.64	
33 01 30 72-0057 LF 12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	218.65	
For Vinylster Resin, Add	134.36	
For Epoxy Resin, Add	15.84	
For Up To >10, Add	176.10	
For >10 To 25, Add	114.76	
For >25 To 50, Add	78.45	
For >50 To 100, Add	39.23	
For >500 To 1,000, Deduct	-11.60	
For >1,000 To 2,000, Deduct	-17.73	
For >2,000 To 5,000, Deduct	-29.71	
For >5,000, Deduct	-49.07	
33 01 30 72-0058 LF 12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	249.14	
For Vinylster Resin, Add	153.99	
For Epoxy Resin, Add	18.15	
For Up To >10, Add	197.45	
For >10 To 25, Add	127.87	
For >25 To 50, Add	87.72	
For >50 To 100, Add	43.86	
For >500 To 1,000, Deduct	-13.19	
For >1,000 To 2,000, Deduct	-20.14	
For >2,000 To 5,000, Deduct	-33.69	
For >5,000, Deduct	-55.66	
33 01 30 72-0059 LF 12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	280.14	
For Vinylster Resin, Add	173.63	
For Epoxy Resin, Add	20.46	
For Up To >10, Add	220.32	
For >10 To 25, Add	142.26	
For >25 To 50, Add	97.76	
For >50 To 100, Add	48.88	
For >500 To 1,000, Deduct	-14.81	
For >1,000 To 2,000, Deduct	-22.62	
For >2,000 To 5,000, Deduct	-37.79	
For >5,000, Deduct	-62.45	
33 01 30 72-0060 LF 12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	311.79	
For Vinylster Resin, Add	193.26	
For Epoxy Resin, Add	22.78	
For Up To >10, Add	245.15	
For >10 To 25, Add	158.27	
For >25 To 50, Add	108.77	
For >50 To 100, Add	54.38	
For >500 To 1,000, Deduct	-16.48	
For >1,000 To 2,000, Deduct	-25.17	
For >2,000 To 5,000, Deduct	-42.06	
For >5,000, Deduct	-69.50	
33 01 30 72-0061 LF 12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	372.39	
For Vinylster Resin, Add	232.54	
For Epoxy Resin, Add	27.41	
For Up To >10, Add	286.67	
For >10 To 25, Add	183.53	
For >25 To 50, Add	126.73	
For >50 To 100, Add	63.36	
For >500 To 1,000, Deduct	-19.62	
For >1,000 To 2,000, Deduct	-29.94	
For >2,000 To 5,000, Deduct	-49.91	
For >5,000, Deduct	-82.52	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0062 LF 12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	434.14	
For Vinlyester Resin, Add	271.81	
For Epoxy Resin, Add	32.03	
For Up To >10, Add	331.67	
For >10 To 25, Add	211.68	
For >25 To 50, Add	146.42	
For >50 To 100, Add	73.21	
For >500 To 1,000, Deduct	-22.85	
For >1,000 To 2,000, Deduct	-34.85	
For >2,000 To 5,000, Deduct	-58.06	
For >5,000, Deduct	-96.00	
33 01 30 72-0063 LF 12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	497.94	
For Vinlyester Resin, Add	311.08	
For Epoxy Resin, Add	36.66	
For Up To >10, Add	382.82	
For >10 To 25, Add	244.95	
For >25 To 50, Add	169.19	
For >50 To 100, Add	84.60	
For >500 To 1,000, Deduct	-26.24	
For >1,000 To 2,000, Deduct	-40.02	
For >2,000 To 5,000, Deduct	-66.71	
For >5,000, Deduct	-110.30	
<b>33 01 30 72-0064 13.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0065 LF 13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	174.03	
For Vinlyester Resin, Add	106.54	
For Epoxy Resin, Add	12.56	
For Up To >10, Add	141.59	
For >10 To 25, Add	92.63	
For >25 To 50, Add	63.19	
For >50 To 100, Add	31.59	
For >500 To 1,000, Deduct	-9.25	
For >1,000 To 2,000, Deduct	-14.14	
For >2,000 To 5,000, Deduct	-23.72	
For >5,000, Deduct	-39.17	
33 01 30 72-0066 LF 13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	208.42	
For Vinlyester Resin, Add	128.63	
For Epoxy Resin, Add	15.16	
For Up To >10, Add	165.86	
For >10 To 25, Add	107.59	
For >25 To 50, Add	73.74	
For >50 To 100, Add	36.87	
For >500 To 1,000, Deduct	-11.04	
For >1,000 To 2,000, Deduct	-16.86	
For >2,000 To 5,000, Deduct	-28.22	
For >5,000, Deduct	-46.62	
33 01 30 72-0067 LF 13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	242.03	
For Vinlyester Resin, Add	150.72	
For Epoxy Resin, Add	17.76	
For Up To >10, Add	187.79	
For >10 To 25, Add	120.61	
For >25 To 50, Add	83.13	
For >50 To 100, Add	41.56	
For >500 To 1,000, Deduct	-12.77	
For >1,000 To 2,000, Deduct	-19.49	
For >2,000 To 5,000, Deduct	-32.52	
For >5,000, Deduct	-53.75	
33 01 30 72-0068 LF 13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	276.02	
For Vinlyester Resin, Add	172.81	
For Epoxy Resin, Add	20.37	
For Up To >10, Add	210.89	
For >10 To 25, Add	134.59	
For >25 To 50, Add	93.10	
For >50 To 100, Add	46.55	
For >500 To 1,000, Deduct	-14.53	
For >1,000 To 2,000, Deduct	-22.16	
For >2,000 To 5,000, Deduct	-36.91	
For >5,000, Deduct	-61.03	
33 01 30 72-0069 LF 13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	310.53	
For Vinlyester Resin, Add	194.90	
For Epoxy Resin, Add	22.97	
For Up To >10, Add	235.52	
For >10 To 25, Add	149.86	
For >25 To 50, Add	103.84	
For >50 To 100, Add	51.92	
For >500 To 1,000, Deduct	-16.33	
For >1,000 To 2,000, Deduct	-24.89	
For >2,000 To 5,000, Deduct	-41.44	
For >5,000, Deduct	-68.53	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0070 LF 13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	345.69	
For Vinylester Resin, Add	216.99	
For Epoxy Resin, Add	25.57	
For Up To >10, Add	262.10	
For >10 To 25, Add	166.75	
For >25 To 50, Add	115.55	
For >50 To 100, Add	57.77	
For >500 To 1,000, Deduct	-18.18	
For >1,000 To 2,000, Deduct	-27.71	
For >2,000 To 5,000, Deduct	-46.12	
For >5,000, Deduct	-76.28	
33 01 30 72-0071 LF 13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	413.29	
For Vinylester Resin, Add	261.17	
For Epoxy Resin, Add	30.78	
For Up To >10, Add	307.12	
For >10 To 25, Add	193.75	
For >25 To 50, Add	134.91	
For >50 To 100, Add	67.45	
For >500 To 1,000, Deduct	-21.67	
For >1,000 To 2,000, Deduct	-33.01	
For >2,000 To 5,000, Deduct	-54.82	
For >5,000, Deduct	-90.70	
33 01 30 72-0072 LF 13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	482.06	
For Vinylester Resin, Add	305.35	
For Epoxy Resin, Add	35.99	
For Up To >10, Add	355.63	
For >10 To 25, Add	223.66	
For >25 To 50, Add	156.00	
For >50 To 100, Add	78.00	
For >500 To 1,000, Deduct	-25.25	
For >1,000 To 2,000, Deduct	-38.45	
For >2,000 To 5,000, Deduct	-63.81	
For >5,000, Deduct	-105.58	
33 01 30 72-0073 LF 13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	552.87	
For Vinylester Resin, Add	349.53	
For Epoxy Resin, Add	41.19	
For Up To >10, Add	410.29	
For >10 To 25, Add	258.68	
For >25 To 50, Add	180.18	
For >50 To 100, Add	90.09	
For >500 To 1,000, Deduct	-28.98	
For >1,000 To 2,000, Deduct	-44.14	
For >2,000 To 5,000, Deduct	-73.30	
For >5,000, Deduct	-121.28	
<b>33 01 30 72-0074 15mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0075 LF 15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	190.25	
For Vinylester Resin, Add	117.89	
For Epoxy Resin, Add	13.89	
For Up To >10, Add	149.70	
For >10 To 25, Add	96.68	
For >25 To 50, Add	66.43	
For >50 To 100, Add	33.21	
For >500 To 1,000, Deduct	-10.06	
For >1,000 To 2,000, Deduct	-15.36	
For >2,000 To 5,000, Deduct	-25.67	
For >5,000, Deduct	-42.42	
33 01 30 72-0076 LF 15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	228.14	
For Vinylester Resin, Add	142.44	
For Epoxy Resin, Add	16.79	
For Up To >10, Add	175.72	
For >10 To 25, Add	112.52	
For >25 To 50, Add	77.69	
For >50 To 100, Add	38.84	
For >500 To 1,000, Deduct	-12.02	
For >1,000 To 2,000, Deduct	-18.34	
For >2,000 To 5,000, Deduct	-30.58	
For >5,000, Deduct	-50.56	
33 01 30 72-0077 LF 15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	265.26	
For Vinylester Resin, Add	166.99	
For Epoxy Resin, Add	19.68	
For Up To >10, Add	199.41	
For >10 To 25, Add	126.41	
For >25 To 50, Add	87.78	
For >50 To 100, Add	43.89	
For >500 To 1,000, Deduct	-13.93	
For >1,000 To 2,000, Deduct	-21.23	
For >2,000 To 5,000, Deduct	-35.30	
For >5,000, Deduct	-58.39	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0078 LF 15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	302.76	
For Vinlyester Resin, Add	191.53	
For Epoxy Resin, Add	22.57	
For Up To >10, Add	224.26	
For >10 To 25, Add	141.28	
For >25 To 50, Add	98.45	
For >50 To 100, Add	49.22	
For >500 To 1,000, Deduct	-15.87	
For >1,000 To 2,000, Deduct	-24.16	
For >2,000 To 5,000, Deduct	-40.12	
For >5,000, Deduct	-66.38	
33 01 30 72-0079 LF 15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	340.78	
For Vinlyester Resin, Add	216.08	
For Epoxy Resin, Add	25.47	
For Up To >10, Add	250.64	
For >10 To 25, Add	157.42	
For >25 To 50, Add	109.89	
For >50 To 100, Add	54.94	
For >500 To 1,000, Deduct	-17.84	
For >1,000 To 2,000, Deduct	-27.16	
For >2,000 To 5,000, Deduct	-45.07	
For >5,000, Deduct	-74.58	
33 01 30 72-0080 LF 15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	379.44	
For Vinlyester Resin, Add	240.62	
For Epoxy Resin, Add	28.36	
For Up To >10, Add	278.97	
For >10 To 25, Add	175.19	
For >25 To 50, Add	122.30	
For >50 To 100, Add	61.15	
For >500 To 1,000, Deduct	-19.86	
For >1,000 To 2,000, Deduct	-30.24	
For >2,000 To 5,000, Deduct	-50.17	
For >5,000, Deduct	-83.03	
33 01 30 72-0081 LF 15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	454.06	
For Vinlyester Resin, Add	289.71	
For Epoxy Resin, Add	34.14	
For Up To >10, Add	327.51	
For >10 To 25, Add	203.94	
For >25 To 50, Add	143.06	
For >50 To 100, Add	71.53	
For >500 To 1,000, Deduct	-23.71	
For >1,000 To 2,000, Deduct	-36.06	
For >2,000 To 5,000, Deduct	-59.71	
For >5,000, Deduct	-98.85	
33 01 30 72-0082 LF 15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	529.84	
For Vinlyester Resin, Add	338.80	
For Epoxy Resin, Add	39.93	
For Up To >10, Add	379.52	
For >10 To 25, Add	235.60	
For >25 To 50, Add	165.56	
For >50 To 100, Add	82.78	
For >500 To 1,000, Deduct	-27.64	
For >1,000 To 2,000, Deduct	-42.03	
For >2,000 To 5,000, Deduct	-69.54	
For >5,000, Deduct	-115.14	
33 01 30 72-0083 LF 15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	607.67	
For Vinlyester Resin, Add	387.89	
For Epoxy Resin, Add	45.72	
For Up To >10, Add	437.69	
For >10 To 25, Add	272.38	
For >25 To 50, Add	191.14	
For >50 To 100, Add	95.57	
For >500 To 1,000, Deduct	-31.72	
For >1,000 To 2,000, Deduct	-48.25	
For >2,000 To 5,000, Deduct	-79.88	
For >5,000, Deduct	-132.24	
<b>33 01 30 72-0084 16.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b> .....	<b>247.73</b>	
33 01 30 72-0085 LF 16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	247.73	
For Vinlyester Resin, Add	156.15	
For Epoxy Resin, Add	18.40	
For Up To >10, Add	185.52	
For >10 To 25, Add	117.42	
For >25 To 50, Add	81.60	
For >50 To 100, Add	40.80	
For >500 To 1,000, Deduct	-13.00	
For >1,000 To 2,000, Deduct	-19.81	
For >2,000 To 5,000, Deduct	-32.93	
For >5,000, Deduct	-54.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0086 LF 16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	288.35	
For Vinlyester Resin, Add	183.15	
For Epoxy Resin, Add	21.59	
For Up To >10, Add	210.95	
For >10 To 25, Add	132.19	
For >25 To 50, Add	92.39	
For >50 To 100, Add	46.20	
For >500 To 1,000, Deduct	-15.09	
For >1,000 To 2,000, Deduct	-22.96	
For >2,000 To 5,000, Deduct	-38.07	
For >5,000, Deduct	-63.01	
33 01 30 72-0087 LF 16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	329.36	
For Vinlyester Resin, Add	210.15	
For Epoxy Resin, Add	24.77	
For Up To >10, Add	237.56	
For >10 To 25, Add	147.93	
For >25 To 50, Add	103.77	
For >50 To 100, Add	51.88	
For >500 To 1,000, Deduct	-17.20	
For >1,000 To 2,000, Deduct	-26.16	
For >2,000 To 5,000, Deduct	-43.31	
For >5,000, Deduct	-71.70	
33 01 30 72-0088 LF 16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	370.88	
For Vinlyester Resin, Add	237.15	
For Epoxy Resin, Add	27.95	
For Up To >10, Add	265.69	
For >10 To 25, Add	164.95	
For >25 To 50, Add	115.91	
For >50 To 100, Add	57.95	
For >500 To 1,000, Deduct	-19.35	
For >1,000 To 2,000, Deduct	-29.42	
For >2,000 To 5,000, Deduct	-48.68	
For >5,000, Deduct	-80.60	
33 01 30 72-0089 LF 16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	413.06	
For Vinlyester Resin, Add	264.15	
For Epoxy Resin, Add	31.13	
For Up To >10, Add	295.78	
For >10 To 25, Add	183.59	
For >25 To 50, Add	129.02	
For >50 To 100, Add	64.51	
For >500 To 1,000, Deduct	-21.55	
For >1,000 To 2,000, Deduct	-32.76	
For >2,000 To 5,000, Deduct	-54.21	
For >5,000, Deduct	-89.75	
33 01 30 72-0090 LF 16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	494.69	
For Vinlyester Resin, Add	318.15	
For Epoxy Resin, Add	37.50	
For Up To >10, Add	347.82	
For >10 To 25, Add	214.10	
For >25 To 50, Add	151.19	
For >50 To 100, Add	75.59	
For >500 To 1,000, Deduct	-25.74	
For >1,000 To 2,000, Deduct	-39.11	
For >2,000 To 5,000, Deduct	-64.59	
For >5,000, Deduct	-106.98	
33 01 30 72-0091 LF 16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	577.48	
For Vinlyester Resin, Add	372.15	
For Epoxy Resin, Add	43.86	
For Up To >10, Add	403.34	
For >10 To 25, Add	247.51	
For >25 To 50, Add	175.09	
For >50 To 100, Add	87.54	
For >500 To 1,000, Deduct	-30.02	
For >1,000 To 2,000, Deduct	-45.60	
For >2,000 To 5,000, Deduct	-75.26	
For >5,000, Deduct	-124.66	
33 01 30 72-0092 LF 16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	662.32	
For Vinlyester Resin, Add	426.15	
For Epoxy Resin, Add	50.22	
For Up To >10, Add	465.01	
For >10 To 25, Add	286.05	
For >25 To 50, Add	202.07	
For >50 To 100, Add	101.03	
For >500 To 1,000, Deduct	-34.45	
For >1,000 To 2,000, Deduct	-52.35	
For >2,000 To 5,000, Deduct	-86.44	
For >5,000, Deduct	-143.17	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0093 LF 16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	746.27	
For Vinlyester Resin, Add	480.14	
For Epoxy Resin, Add	56.59	
For Up To >10, Add	524.01	
For >10 To 25, Add	322.36	
For >25 To 50, Add	227.71	
For >50 To 100, Add	113.85	
For >500 To 1,000, Deduct	-38.82	
For >1,000 To 2,000, Deduct	-58.99	
For >2,000 To 5,000, Deduct	-97.40	
For >5,000, Deduct	-161.32	
<b>33 01 30 72-0094 18mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0095 LF 18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	267.82	
For Vinlyester Resin, Add	169.76	
For Epoxy Resin, Add	20.01	
For Up To >10, Add	197.16	
For >10 To 25, Add	123.88	
For >25 To 50, Add	86.45	
For >50 To 100, Add	43.23	
For >500 To 1,000, Deduct	-14.02	
For >1,000 To 2,000, Deduct	-21.35	
For >2,000 To 5,000, Deduct	-35.43	
For >5,000, Deduct	-58.62	
33 01 30 72-0096 LF 18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	312.08	
For Vinlyester Resin, Add	199.22	
For Epoxy Resin, Add	23.48	
For Up To >10, Add	224.74	
For >10 To 25, Add	139.85	
For >25 To 50, Add	98.14	
For >50 To 100, Add	49.07	
For >500 To 1,000, Deduct	-16.29	
For >1,000 To 2,000, Deduct	-24.78	
For >2,000 To 5,000, Deduct	-41.02	
For >5,000, Deduct	-67.91	
33 01 30 72-0097 LF 18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	356.60	
For Vinlyester Resin, Add	228.68	
For Epoxy Resin, Add	26.95	
For Up To >10, Add	253.10	
For >10 To 25, Add	156.47	
For >25 To 50, Add	110.22	
For >50 To 100, Add	55.11	
For >500 To 1,000, Deduct	-18.58	
For >1,000 To 2,000, Deduct	-28.24	
For >2,000 To 5,000, Deduct	-46.68	
For >5,000, Deduct	-77.30	
33 01 30 72-0098 LF 18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	401.76	
For Vinlyester Resin, Add	258.13	
For Epoxy Resin, Add	30.42	
For Up To >10, Add	283.38	
For >10 To 25, Add	174.69	
For >25 To 50, Add	123.25	
For >50 To 100, Add	61.63	
For >500 To 1,000, Deduct	-20.91	
For >1,000 To 2,000, Deduct	-31.78	
For >2,000 To 5,000, Deduct	-52.50	
For >5,000, Deduct	-86.95	
33 01 30 72-0099 LF 18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	447.43	
For Vinlyester Resin, Add	287.58	
For Epoxy Resin, Add	33.89	
For Up To >10, Add	315.22	
For >10 To 25, Add	194.21	
For >25 To 50, Add	137.07	
For >50 To 100, Add	68.53	
For >500 To 1,000, Deduct	-23.29	
For >1,000 To 2,000, Deduct	-35.39	
For >2,000 To 5,000, Deduct	-58.45	
For >5,000, Deduct	-96.81	
33 01 30 72-0100 LF 18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	537.11	
For Vinlyester Resin, Add	346.49	
For Epoxy Resin, Add	40.84	
For Up To >10, Add	373.86	
For >10 To 25, Add	229.05	
For >25 To 50, Add	162.18	
For >50 To 100, Add	81.09	
For >500 To 1,000, Deduct	-27.91	
For >1,000 To 2,000, Deduct	-42.39	
For >2,000 To 5,000, Deduct	-69.93	
For >5,000, Deduct	-115.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0101 LF 18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	627.30	
For Vinlyester Resin, Add	405.40	
For Epoxy Resin, Add	47.78	
For Up To >10, Add	434.05	
For >10 To 25, Add	265.19	
For >25 To 50, Add	188.07	
For >50 To 100, Add	94.03	
For >500 To 1,000, Deduct	-32.57	
For >1,000 To 2,000, Deduct	-49.46	
For >2,000 To 5,000, Deduct	-81.54	
For >5,000, Deduct	-135.09	
33 01 30 72-0102 LF 18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	719.54	
For Vinlyester Resin, Add	464.30	
For Epoxy Resin, Add	54.72	
For Up To >10, Add	500.40	
For >10 To 25, Add	306.45	
For >25 To 50, Add	217.03	
For >50 To 100, Add	108.52	
For >500 To 1,000, Deduct	-37.38	
For >1,000 To 2,000, Deduct	-56.78	
For >2,000 To 5,000, Deduct	-93.66	
For >5,000, Deduct	-155.16	
33 01 30 72-0103 LF 18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	810.88	
For Vinlyester Resin, Add	523.22	
For Epoxy Resin, Add	61.66	
For Up To >10, Add	564.02	
For >10 To 25, Add	345.44	
For >25 To 50, Add	244.64	
For >50 To 100, Add	122.32	
For >500 To 1,000, Deduct	-42.13	
For >1,000 To 2,000, Deduct	-63.99	
For >2,000 To 5,000, Deduct	-105.55	
For >5,000, Deduct	-174.86	
33 01 30 72-0104 LF 18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	902.10	
For Vinlyester Resin, Add	582.12	
For Epoxy Resin, Add	68.61	
For Up To >10, Add	627.30	
For >10 To 25, Add	384.15	
For >25 To 50, Add	272.07	
For >50 To 100, Add	136.04	
For >500 To 1,000, Deduct	-46.87	
For >1,000 To 2,000, Deduct	-71.18	
For >2,000 To 5,000, Deduct	-117.42	
For >5,000, Deduct	-194.52	
33 01 30 72-0105 LF 18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	933.83	
For Vinlyester Resin, Add	641.03	
For Epoxy Resin, Add	75.55	
For Up To >10, Add	692.09	
For >10 To 25, Add	424.12	
For >25 To 50, Add	300.26	
For >50 To 100, Add	150.13	
For >500 To 1,000, Deduct	-51.64	
For >1,000 To 2,000, Deduct	-78.44	
For >2,000 To 5,000, Deduct	-129.41	
For >5,000, Deduct	-214.38	
33 01 30 72-0106 LF 18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,085.17	
For Vinlyester Resin, Add	699.94	
For Epoxy Resin, Add	82.49	
For Up To >10, Add	755.74	
For >10 To 25, Add	463.13	
For >25 To 50, Add	327.87	
For >50 To 100, Add	163.94	
For >500 To 1,000, Deduct	-56.39	
For >1,000 To 2,000, Deduct	-85.65	
For >2,000 To 5,000, Deduct	-141.30	
For >5,000, Deduct	-234.09	
<b>33 01 30 72-0107 19.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015).....</b>	<b>288.16</b>	
33 01 30 72-0108 LF 19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	288.16	
For Vinlyester Resin, Add	183.29	
For Epoxy Resin, Add	21.60	
For Up To >10, Add	209.88	
For >10 To 25, Add	131.26	
For >25 To 50, Add	91.85	
For >50 To 100, Add	45.92	
For >500 To 1,000, Deduct	-15.07	
For >1,000 To 2,000, Deduct	-22.93	
For >2,000 To 5,000, Deduct	-38.00	
For >5,000, Deduct	-62.90	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30 72-0109	LF	19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	335.93	
			For Vinlyester Resin, Add	215.19	
			For Epoxy Resin, Add	25.36	
			For Up To >10, Add	239.24	
			For >10 To 25, Add	148.13	
			For >25 To 50, Add	104.25	
			For >50 To 100, Add	52.12	
			For >500 To 1,000, Deduct	-17.51	
			For >1,000 To 2,000, Deduct	-26.62	
			For >2,000 To 5,000, Deduct	-44.02	
			For >5,000, Deduct	-72.89	
33 01	30 72-0110	LF	19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	384.07	
			For Vinlyester Resin, Add	247.10	
			For Epoxy Resin, Add	29.12	
			For Up To >10, Add	269.71	
			For >10 To 25, Add	165.93	
			For >25 To 50, Add	117.21	
			For >50 To 100, Add	58.60	
			For >500 To 1,000, Deduct	-19.98	
			For >1,000 To 2,000, Deduct	-30.36	
			For >2,000 To 5,000, Deduct	-50.13	
			For >5,000, Deduct	-83.03	
33 01	30 72-0111	LF	19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	432.49	
			For Vinlyester Resin, Add	279.01	
			For Epoxy Resin, Add	32.88	
			For Up To >10, Add	301.00	
			For >10 To 25, Add	184.40	
			For >25 To 50, Add	130.57	
			For >50 To 100, Add	65.28	
			For >500 To 1,000, Deduct	-22.47	
			For >1,000 To 2,000, Deduct	-34.13	
			For >2,000 To 5,000, Deduct	-56.31	
			For >5,000, Deduct	-93.28	
33 01	30 72-0112	LF	19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	481.92	
			For Vinlyester Resin, Add	310.92	
			For Epoxy Resin, Add	36.64	
			For Up To >10, Add	335.34	
			For >10 To 25, Add	205.42	
			For >25 To 50, Add	145.46	
			For >50 To 100, Add	72.73	
			For >500 To 1,000, Deduct	-25.04	
			For >1,000 To 2,000, Deduct	-38.03	
			For >2,000 To 5,000, Deduct	-62.74	
			For >5,000, Deduct	-103.93	
33 01	30 72-0113	LF	19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	579.77	
			For Vinlyester Resin, Add	374.74	
			For Epoxy Resin, Add	44.17	
			For Up To >10, Add	400.96	
			For >10 To 25, Add	244.91	
			For >25 To 50, Add	173.71	
			For >50 To 100, Add	86.86	
			For >500 To 1,000, Deduct	-30.10	
			For >1,000 To 2,000, Deduct	-45.70	
			For >2,000 To 5,000, Deduct	-75.35	
			For >5,000, Deduct	-124.84	
33 01	30 72-0114	LF	19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	677.99	
			For Vinlyester Resin, Add	438.55	
			For Epoxy Resin, Add	51.69	
			For Up To >10, Add	467.72	
			For >10 To 25, Add	285.35	
			For >25 To 50, Add	202.54	
			For >50 To 100, Add	101.27	
			For >500 To 1,000, Deduct	-35.19	
			For >1,000 To 2,000, Deduct	-53.42	
			For >2,000 To 5,000, Deduct	-88.05	
			For >5,000, Deduct	-145.90	
33 01	30 72-0115	LF	19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	777.13	
			For Vinlyester Resin, Add	502.37	
			For Epoxy Resin, Add	59.21	
			For Up To >10, Add	537.22	
			For >10 To 25, Add	328.07	
			For >25 To 50, Add	232.72	
			For >50 To 100, Add	116.36	
			For >500 To 1,000, Deduct	-40.34	
			For >1,000 To 2,000, Deduct	-61.26	
			For >2,000 To 5,000, Deduct	-100.99	
			For >5,000, Deduct	-167.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0116 LF 19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	875.87	
For Vinyl Ester Resin, Add	566.19	
For Epoxy Resin, Add	66.73	
For Up To >10, Add	605.51	
For >10 To 25, Add	369.79	
For >25 To 50, Add	262.31	
For >50 To 100, Add	131.16	
For >500 To 1,000, Deduct	-45.47	
For >1,000 To 2,000, Deduct	-69.04	
For >2,000 To 5,000, Deduct	-113.82	
For >5,000, Deduct	-188.58	
33 01 30 72-0117 LF 19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	974.60	
For Vinyl Ester Resin, Add	630.00	
For Epoxy Resin, Add	74.25	
For Up To >10, Add	673.80	
For >10 To 25, Add	411.50	
For >25 To 50, Add	291.90	
For >50 To 100, Add	145.95	
For >500 To 1,000, Deduct	-50.60	
For >1,000 To 2,000, Deduct	-76.83	
For >2,000 To 5,000, Deduct	-126.65	
For >5,000, Deduct	-209.84	
33 01 30 72-0118 LF 19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,074.89	
For Vinyl Ester Resin, Add	693.82	
For Epoxy Resin, Add	81.77	
For Up To >10, Add	746.75	
For >10 To 25, Add	457.09	
For >25 To 50, Add	323.81	
For >50 To 100, Add	161.91	
For >500 To 1,000, Deduct	-55.84	
For >1,000 To 2,000, Deduct	-84.80	
For >2,000 To 5,000, Deduct	-139.87	
For >5,000, Deduct	-231.72	
33 01 30 72-0119 LF 19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,173.75	
For Vinyl Ester Resin, Add	757.63	
For Epoxy Resin, Add	89.29	
For Up To >10, Add	815.43	
For >10 To 25, Add	499.13	
For >25 To 50, Add	353.60	
For >50 To 100, Add	176.80	
For >500 To 1,000, Deduct	-60.97	
For >1,000 To 2,000, Deduct	-92.60	
For >2,000 To 5,000, Deduct	-152.73	
For >5,000, Deduct	-253.03	
<b>33 01 30 72-0120 21mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small> .....	<b>308.23</b>	
33 01 30 72-0121 LF 21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	308.23	
For Vinyl Ester Resin, Add	196.71	
For Epoxy Resin, Add	23.18	
For Up To >10, Add	222.17	
For >10 To 25, Add	138.30	
For >25 To 50, Add	97.03	
For >50 To 100, Add	48.52	
For >500 To 1,000, Deduct	-16.09	
For >1,000 To 2,000, Deduct	-24.48	
For >2,000 To 5,000, Deduct	-40.53	
For >5,000, Deduct	-67.09	
33 01 30 72-0122 LF 21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	359.64	
For Vinyl Ester Resin, Add	231.07	
For Epoxy Resin, Add	27.23	
For Up To >10, Add	253.67	
For >10 To 25, Add	156.38	
For >25 To 50, Add	110.33	
For >50 To 100, Add	55.17	
For >500 To 1,000, Deduct	-18.72	
For >1,000 To 2,000, Deduct	-28.45	
For >2,000 To 5,000, Deduct	-47.00	
For >5,000, Deduct	-77.84	
33 01 30 72-0123 LF 21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	411.42	
For Vinyl Ester Resin, Add	265.43	
For Epoxy Resin, Add	31.28	
For Up To >10, Add	286.29	
For >10 To 25, Add	175.37	
For >25 To 50, Add	124.18	
For >50 To 100, Add	62.09	
For >500 To 1,000, Deduct	-21.38	
For >1,000 To 2,000, Deduct	-32.47	
For >2,000 To 5,000, Deduct	-53.56	
For >5,000, Deduct	-88.73	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0124 LF 21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	463.08	
For Vinlyester Resin, Add	299.80	
For Epoxy Resin, Add	35.33	
For Up To >10, Add	318.54	
For >10 To 25, Add	194.07	
For >25 To 50, Add	137.86	
For >50 To 100, Add	68.93	
For >500 To 1,000, Deduct	-24.02	
For >1,000 To 2,000, Deduct	-36.47	
For >2,000 To 5,000, Deduct	-60.09	
For >5,000, Deduct	-99.58	
33 01 30 72-0125 LF 21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	516.14	
For Vinlyester Resin, Add	334.16	
For Epoxy Resin, Add	39.38	
For Up To >10, Add	355.00	
For >10 To 25, Add	216.27	
For >25 To 50, Add	153.63	
For >50 To 100, Add	76.81	
For >500 To 1,000, Deduct	-26.78	
For >1,000 To 2,000, Deduct	-40.65	
For >2,000 To 5,000, Deduct	-66.98	
For >5,000, Deduct	-110.98	
33 01 30 72-0126 LF 21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	622.29	
For Vinlyester Resin, Add	402.89	
For Epoxy Resin, Add	47.48	
For Up To >10, Add	428.00	
For >10 To 25, Add	260.74	
For >25 To 50, Add	185.22	
For >50 To 100, Add	92.61	
For >500 To 1,000, Deduct	-32.28	
For >1,000 To 2,000, Deduct	-49.01	
For >2,000 To 5,000, Deduct	-80.75	
For >5,000, Deduct	-133.81	
33 01 30 72-0127 LF 21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	728.43	
For Vinlyester Resin, Add	471.61	
For Epoxy Resin, Add	55.58	
For Up To >10, Add	500.97	
For >10 To 25, Add	305.18	
For >25 To 50, Add	216.80	
For >50 To 100, Add	108.40	
For >500 To 1,000, Deduct	-37.79	
For >1,000 To 2,000, Deduct	-57.37	
For >2,000 To 5,000, Deduct	-94.52	
For >5,000, Deduct	-156.63	
33 01 30 72-0128 LF 21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	834.57	
For Vinlyester Resin, Add	540.34	
For Epoxy Resin, Add	63.68	
For Up To >10, Add	573.94	
For >10 To 25, Add	349.63	
For >25 To 50, Add	248.37	
For >50 To 100, Add	124.19	
For >500 To 1,000, Deduct	-43.30	
For >1,000 To 2,000, Deduct	-65.73	
For >2,000 To 5,000, Deduct	-108.29	
For >5,000, Deduct	-179.45	
33 01 30 72-0129 LF 21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	940.72	
For Vinlyester Resin, Add	609.06	
For Epoxy Resin, Add	71.78	
For Up To >10, Add	646.94	
For >10 To 25, Add	394.10	
For >25 To 50, Add	279.96	
For >50 To 100, Add	139.98	
For >500 To 1,000, Deduct	-48.80	
For >1,000 To 2,000, Deduct	-74.09	
For >2,000 To 5,000, Deduct	-122.07	
For >5,000, Deduct	-202.27	
33 01 30 72-0130 LF 21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,046.86	
For Vinlyester Resin, Add	677.79	
For Epoxy Resin, Add	79.88	
For Up To >10, Add	719.91	
For >10 To 25, Add	438.54	
For >25 To 50, Add	311.54	
For >50 To 100, Add	155.77	
For >500 To 1,000, Deduct	-54.31	
For >1,000 To 2,000, Deduct	-82.44	
For >2,000 To 5,000, Deduct	-135.84	
For >5,000, Deduct	-225.09	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0131 LF 21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,155.82	
For Vinylster Resin, Add	746.52	
For Epoxy Resin, Add	87.98	
For Up To >10, Add	801.34	
For >10 To 25, Add	490.04	
For >25 To 50, Add	347.35	
For >50 To 100, Add	173.67	
For >500 To 1,000, Deduct	-60.03	
For >1,000 To 2,000, Deduct	-91.16	
For >2,000 To 5,000, Deduct	-150.32	
For >5,000, Deduct	-249.04	
33 01 30 72-0132 LF 21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,262.22	
For Vinylster Resin, Add	815.24	
For Epoxy Resin, Add	96.08	
For Up To >10, Add	875.09	
For >10 To 25, Add	535.13	
For >25 To 50, Add	379.31	
For >50 To 100, Add	189.66	
For >500 To 1,000, Deduct	-65.55	
For >1,000 To 2,000, Deduct	-99.55	
For >2,000 To 5,000, Deduct	-164.15	
For >5,000, Deduct	-271.96	
<b>33 01 30 72-0133 22.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0134 LF 22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	328.04	
For Vinylster Resin, Add	210.04	
For Epoxy Resin, Add	24.75	
For Up To >10, Add	234.00	
For >10 To 25, Add	144.99	
For >25 To 50, Add	102.00	
For >50 To 100, Add	51.00	
For >500 To 1,000, Deduct	-17.10	
For >1,000 To 2,000, Deduct	-26.00	
For >2,000 To 5,000, Deduct	-43.00	
For >5,000, Deduct	-71.21	
33 01 30 72-0135 LF 22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	382.95	
For Vinylster Resin, Add	246.85	
For Epoxy Resin, Add	29.09	
For Up To >10, Add	267.25	
For >10 To 25, Add	163.94	
For >25 To 50, Add	115.99	
For >50 To 100, Add	58.00	
For >500 To 1,000, Deduct	-19.91	
For >1,000 To 2,000, Deduct	-30.24	
For >2,000 To 5,000, Deduct	-49.89	
For >5,000, Deduct	-82.65	
33 01 30 72-0136 LF 22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	438.63	
For Vinylster Resin, Add	283.67	
For Epoxy Resin, Add	33.43	
For Up To >10, Add	302.79	
For >10 To 25, Add	184.79	
For >25 To 50, Add	131.13	
For >50 To 100, Add	65.57	
For >500 To 1,000, Deduct	-22.77	
For >1,000 To 2,000, Deduct	-34.57	
For >2,000 To 5,000, Deduct	-56.98	
For >5,000, Deduct	-94.40	
33 01 30 72-0137 LF 22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	494.69	
For Vinylster Resin, Add	320.49	
For Epoxy Resin, Add	37.77	
For Up To >10, Add	339.47	
For >10 To 25, Add	206.59	
For >25 To 50, Add	146.84	
For >50 To 100, Add	73.42	
For >500 To 1,000, Deduct	-25.66	
For >1,000 To 2,000, Deduct	-38.94	
For >2,000 To 5,000, Deduct	-64.15	
For >5,000, Deduct	-106.31	
33 01 30 72-0138 LF 22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	551.52	
For Vinylster Resin, Add	357.30	
For Epoxy Resin, Add	42.11	
For Up To >10, Add	378.49	
For >10 To 25, Add	230.33	
For >25 To 50, Add	163.72	
For >50 To 100, Add	81.86	
For >500 To 1,000, Deduct	-28.60	
For >1,000 To 2,000, Deduct	-43.42	
For >2,000 To 5,000, Deduct	-71.52	
For >5,000, Deduct	-118.52	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0139 LF 22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	665.19	
For Vinlyester Resin, Add	430.93	
For Epoxy Resin, Add	50.79	
For Up To >10, Add	456.52	
For >10 To 25, Add	277.83	
For >25 To 50, Add	197.48	
For >50 To 100, Add	98.74	
For >500 To 1,000, Deduct	-34.50	
For >1,000 To 2,000, Deduct	-52.37	
For >2,000 To 5,000, Deduct	-86.27	
For >5,000, Deduct	-142.95	
33 01 30 72-0140 LF 22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	778.87	
For Vinlyester Resin, Add	504.57	
For Epoxy Resin, Add	59.47	
For Up To >10, Add	534.56	
For >10 To 25, Add	325.33	
For >25 To 50, Add	231.24	
For >50 To 100, Add	115.62	
For >500 To 1,000, Deduct	-40.39	
For >1,000 To 2,000, Deduct	-61.32	
For >2,000 To 5,000, Deduct	-101.01	
For >5,000, Deduct	-167.38	
33 01 30 72-0141 LF 22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	892.52	
For Vinlyester Resin, Add	578.21	
For Epoxy Resin, Add	68.15	
For Up To >10, Add	612.54	
For >10 To 25, Add	372.78	
For >25 To 50, Add	264.97	
For >50 To 100, Add	132.48	
For >500 To 1,000, Deduct	-46.29	
For >1,000 To 2,000, Deduct	-70.26	
For >2,000 To 5,000, Deduct	-115.75	
For >5,000, Deduct	-191.81	
33 01 30 72-0142 LF 22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,006.19	
For Vinlyester Resin, Add	651.84	
For Epoxy Resin, Add	76.82	
For Up To >10, Add	690.57	
For >10 To 25, Add	420.28	
For >25 To 50, Add	298.73	
For >50 To 100, Add	149.36	
For >500 To 1,000, Deduct	-52.18	
For >1,000 To 2,000, Deduct	-79.21	
For >2,000 To 5,000, Deduct	-130.49	
For >5,000, Deduct	-216.24	
33 01 30 72-0143 LF 22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,119.87	
For Vinlyester Resin, Add	725.48	
For Epoxy Resin, Add	85.50	
For Up To >10, Add	768.61	
For >10 To 25, Add	467.78	
For >25 To 50, Add	332.49	
For >50 To 100, Add	166.24	
For >500 To 1,000, Deduct	-58.08	
For >1,000 To 2,000, Deduct	-88.16	
For >2,000 To 5,000, Deduct	-145.24	
For >5,000, Deduct	-240.67	
33 01 30 72-0144 LF 22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,236.49	
For Vinlyester Resin, Add	799.11	
For Epoxy Resin, Add	94.18	
For Up To >10, Add	855.50	
For >10 To 25, Add	522.65	
For >25 To 50, Add	370.67	
For >50 To 100, Add	185.33	
For >500 To 1,000, Deduct	-64.20	
For >1,000 To 2,000, Deduct	-97.48	
For >2,000 To 5,000, Deduct	-160.72	
For >5,000, Deduct	-266.28	
33 01 30 72-0145 LF 22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,350.41	
For Vinlyester Resin, Add	872.75	
For Epoxy Resin, Add	102.86	
For Up To >10, Add	934.28	
For >10 To 25, Add	570.77	
For >25 To 50, Add	404.80	
For >50 To 100, Add	202.40	
For >500 To 1,000, Deduct	-70.11	
For >1,000 To 2,000, Deduct	-106.46	
For >2,000 To 5,000, Deduct	-175.52	
For >5,000, Deduct	-290.81	

33 01 30 72-0146 24mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0147 LF 24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	347.57	
For Vinylster Resin, Add	223.26	
For Epoxy Resin, Add	26.31	
For Up To >10, Add	245.36	
For >10 To 25, Add	151.31	
For >25 To 50, Add	106.73	
For >50 To 100, Add	53.37	
For >500 To 1,000, Deduct	-18.09	
For >1,000 To 2,000, Deduct	-27.50	
For >2,000 To 5,000, Deduct	-45.43	
For >5,000, Deduct	-75.24	
33 01 30 72-0148 LF 24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	406.00	
For Vinylster Resin, Add	262.54	
For Epoxy Resin, Add	30.94	
For Up To >10, Add	280.38	
For >10 To 25, Add	171.14	
For >25 To 50, Add	121.44	
For >50 To 100, Add	60.72	
For >500 To 1,000, Deduct	-21.07	
For >1,000 To 2,000, Deduct	-32.00	
For >2,000 To 5,000, Deduct	-52.74	
For >5,000, Deduct	-87.39	
33 01 30 72-0149 LF 24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	465.56	
For Vinylster Resin, Add	301.81	
For Epoxy Resin, Add	35.57	
For Up To >10, Add	318.81	
For >10 To 25, Add	193.81	
For >25 To 50, Add	137.85	
For >50 To 100, Add	68.92	
For >500 To 1,000, Deduct	-24.14	
For >1,000 To 2,000, Deduct	-36.64	
For >2,000 To 5,000, Deduct	-60.34	
For >5,000, Deduct	-99.99	
33 01 30 72-0150 LF 24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	526.16	
For Vinylster Resin, Add	341.08	
For Epoxy Resin, Add	40.20	
For Up To >10, Add	360.36	
For >10 To 25, Add	219.09	
For >25 To 50, Add	155.82	
For >50 To 100, Add	77.91	
For >500 To 1,000, Deduct	-27.28	
For >1,000 To 2,000, Deduct	-41.41	
For >2,000 To 5,000, Deduct	-68.20	
For >5,000, Deduct	-113.01	
33 01 30 72-0151 LF 24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	586.76	
For Vinylster Resin, Add	380.35	
For Epoxy Resin, Add	44.83	
For Up To >10, Add	401.88	
For >10 To 25, Add	244.34	
For >25 To 50, Add	173.77	
For >50 To 100, Add	86.89	
For >500 To 1,000, Deduct	-30.42	
For >1,000 To 2,000, Deduct	-46.18	
For >2,000 To 5,000, Deduct	-76.05	
For >5,000, Deduct	-126.03	
33 01 30 72-0152 LF 24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	707.96	
For Vinylster Resin, Add	458.90	
For Epoxy Resin, Add	54.08	
For Up To >10, Add	484.96	
For >10 To 25, Add	294.87	
For >25 To 50, Add	209.70	
For >50 To 100, Add	104.85	
For >500 To 1,000, Deduct	-36.71	
For >1,000 To 2,000, Deduct	-55.72	
For >2,000 To 5,000, Deduct	-91.77	
For >5,000, Deduct	-152.07	
33 01 30 72-0153 LF 24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	858.93	
For Vinylster Resin, Add	558.38	
For Epoxy Resin, Add	65.81	
For Up To >10, Add	582.59	
For >10 To 25, Add	352.55	
For >25 To 50, Add	251.41	
For >50 To 100, Add	125.71	
For >500 To 1,000, Deduct	-44.48	
For >1,000 To 2,000, Deduct	-67.48	
For >2,000 To 5,000, Deduct	-111.03	
For >5,000, Deduct	-184.04	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0154 LF 24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	950.21	
For Vinlyester Resin, Add	615.98	
For Epoxy Resin, Add	72.60	
For Up To >10, Add	650.71	
For >10 To 25, Add	395.59	
For >25 To 50, Add	281.35	
For >50 To 100, Add	140.68	
For >500 To 1,000, Deduct	-49.27	
For >1,000 To 2,000, Deduct	-74.78	
For >2,000 To 5,000, Deduct	-123.16	
For >5,000, Deduct	-204.09	
33 01 30 72-0155 LF 24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,071.41	
For Vinlyester Resin, Add	694.53	
For Epoxy Resin, Add	81.85	
For Up To >10, Add	733.78	
For >10 To 25, Add	446.12	
For >25 To 50, Add	317.28	
For >50 To 100, Add	158.64	
For >500 To 1,000, Deduct	-55.55	
For >1,000 To 2,000, Deduct	-84.32	
For >2,000 To 5,000, Deduct	-138.87	
For >5,000, Deduct	-230.13	
33 01 30 72-0156 LF 24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,192.60	
For Vinlyester Resin, Add	773.07	
For Epoxy Resin, Add	91.11	
For Up To >10, Add	816.85	
For >10 To 25, Add	496.65	
For >25 To 50, Add	353.21	
For >50 To 100, Add	176.60	
For >500 To 1,000, Deduct	-61.84	
For >1,000 To 2,000, Deduct	-93.86	
For >2,000 To 5,000, Deduct	-154.58	
For >5,000, Deduct	-256.16	
33 01 30 72-0157 LF 24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,316.88	
For Vinlyester Resin, Add	851.61	
For Epoxy Resin, Add	100.37	
For Up To >10, Add	909.17	
For >10 To 25, Add	554.87	
For >25 To 50, Add	393.75	
For >50 To 100, Add	196.88	
For >500 To 1,000, Deduct	-68.35	
For >1,000 To 2,000, Deduct	-103.78	
For >2,000 To 5,000, Deduct	-171.06	
For >5,000, Deduct	-283.43	
33 01 30 72-0158 LF 24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,438.34	
For Vinlyester Resin, Add	930.16	
For Epoxy Resin, Add	109.63	
For Up To >10, Add	993.02	
For >10 To 25, Add	606.05	
For >25 To 50, Add	430.07	
For >50 To 100, Add	215.04	
For >500 To 1,000, Deduct	-74.66	
For >1,000 To 2,000, Deduct	-113.35	
For >2,000 To 5,000, Deduct	-186.84	
For >5,000, Deduct	-309.58	
33 01 30 72-0159 LF 24mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,559.77	
For Vinlyester Resin, Add	1,008.70	
For Epoxy Resin, Add	118.88	
For Up To >10, Add	1,076.81	
For >10 To 25, Add	657.18	
For >25 To 50, Add	466.36	
For >50 To 100, Add	233.18	
For >500 To 1,000, Deduct	-80.96	
For >1,000 To 2,000, Deduct	-122.92	
For >2,000 To 5,000, Deduct	-202.61	
For >5,000, Deduct	-335.71	
33 01 30 72-0160 LF 24mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,681.23	
For Vinlyester Resin, Add	1,087.25	
For Epoxy Resin, Add	128.14	
For Up To >10, Add	1,160.67	
For >10 To 25, Add	708.35	
For >25 To 50, Add	502.67	
For >50 To 100, Add	251.34	
For >500 To 1,000, Deduct	-87.26	
For >1,000 To 2,000, Deduct	-132.49	
For >2,000 To 5,000, Deduct	-218.39	
For >5,000, Deduct	-361.85	

33 01 30 72-0161 25.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0162 LF 25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	429.30	
For Vinylster Resin, Add	278.12	
For Epoxy Resin, Add	32.78	
For Up To >10, Add	294.60	
For >10 To 25, Add	179.28	
For >25 To 50, Add	127.43	
For >50 To 100, Add	63.72	
For >500 To 1,000, Deduct	-22.26	
For >1,000 To 2,000, Deduct	-33.80	
For >2,000 To 5,000, Deduct	-55.67	
For >5,000, Deduct	-92.26	
33 01 30 72-0163 LF 25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	493.13	
For Vinylster Resin, Add	319.84	
For Epoxy Resin, Add	37.70	
For Up To >10, Add	337.09	
For >10 To 25, Add	204.76	
For >25 To 50, Add	145.70	
For >50 To 100, Add	72.85	
For >500 To 1,000, Deduct	-25.56	
For >1,000 To 2,000, Deduct	-38.80	
For >2,000 To 5,000, Deduct	-63.88	
For >5,000, Deduct	-105.87	
33 01 30 72-0164 LF 25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	557.50	
For Vinylster Resin, Add	361.58	
For Epoxy Resin, Add	42.61	
For Up To >10, Add	381.15	
For >10 To 25, Add	231.54	
For >25 To 50, Add	164.75	
For >50 To 100, Add	82.37	
For >500 To 1,000, Deduct	-28.90	
For >1,000 To 2,000, Deduct	-43.86	
For >2,000 To 5,000, Deduct	-72.22	
For >5,000, Deduct	-119.69	
33 01 30 72-0165 LF 25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	621.72	
For Vinylster Resin, Add	403.30	
For Epoxy Resin, Add	47.53	
For Up To >10, Add	424.81	
For >10 To 25, Add	257.99	
For >25 To 50, Add	183.60	
For >50 To 100, Add	91.80	
For >500 To 1,000, Deduct	-32.23	
For >1,000 To 2,000, Deduct	-48.91	
For >2,000 To 5,000, Deduct	-80.53	
For >5,000, Deduct	-133.46	
33 01 30 72-0166 LF 25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	750.45	
For Vinylster Resin, Add	486.75	
For Epoxy Resin, Add	57.37	
For Up To >10, Add	512.95	
For >10 To 25, Add	311.57	
For >25 To 50, Add	221.71	
For >50 To 100, Add	110.85	
For >500 To 1,000, Deduct	-38.90	
For >1,000 To 2,000, Deduct	-59.04	
For >2,000 To 5,000, Deduct	-97.22	
For >5,000, Deduct	-161.11	
33 01 30 72-0167 LF 25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	879.04	
For Vinylster Resin, Add	570.21	
For Epoxy Resin, Add	67.20	
For Up To >10, Add	600.67	
For >10 To 25, Add	364.80	
For >25 To 50, Add	259.61	
For >50 To 100, Add	129.80	
For >500 To 1,000, Deduct	-45.56	
For >1,000 To 2,000, Deduct	-69.15	
For >2,000 To 5,000, Deduct	-113.86	
For >5,000, Deduct	-188.70	
33 01 30 72-0168 LF 25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,007.76	
For Vinylster Resin, Add	653.66	
For Epoxy Resin, Add	77.04	
For Up To >10, Add	688.78	
For >10 To 25, Add	418.35	
For >25 To 50, Add	297.70	
For >50 To 100, Add	148.85	
For >500 To 1,000, Deduct	-52.24	
For >1,000 To 2,000, Deduct	-79.28	
For >2,000 To 5,000, Deduct	-130.55	
For >5,000, Deduct	-216.34	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 30 72-0169	LF 25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,136.35	
	For Vinlyester Resin, Add	737.11	
	For Epoxy Resin, Add	86.87	
	For Up To >10, Add	776.50	
	For >10 To 25, Add	471.58	
	For >25 To 50, Add	335.60	
	For >50 To 100, Add	167.80	
	For >500 To 1,000, Deduct	-58.90	
	For >1,000 To 2,000, Deduct	-89.39	
	For >2,000 To 5,000, Deduct	-147.19	
	For >5,000, Deduct	-243.94	
33 01 30 72-0170	LF 25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,265.08	
	For Vinlyester Resin, Add	820.57	
	For Epoxy Resin, Add	96.71	
	For Up To >10, Add	864.64	
	For >10 To 25, Add	525.16	
	For >25 To 50, Add	373.71	
	For >50 To 100, Add	186.85	
	For >500 To 1,000, Deduct	-65.58	
	For >1,000 To 2,000, Deduct	-99.52	
	For >2,000 To 5,000, Deduct	-163.88	
	For >5,000, Deduct	-271.58	
33 01 30 72-0171	LF 25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,397.91	
	For Vinlyester Resin, Add	904.02	
	For Epoxy Resin, Add	106.54	
	For Up To >10, Add	965.11	
	For >10 To 25, Add	589.01	
	For >25 To 50, Add	417.98	
	For >50 To 100, Add	208.99	
	For >500 To 1,000, Deduct	-72.56	
	For >1,000 To 2,000, Deduct	-110.17	
	For >2,000 To 5,000, Deduct	-181.59	
	For >5,000, Deduct	-300.87	
33 01 30 72-0172	LF 25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,527.01	
	For Vinlyester Resin, Add	987.47	
	For Epoxy Resin, Add	116.38	
	For Up To >10, Add	1,054.36	
	For >10 To 25, Add	643.52	
	For >25 To 50, Add	456.64	
	For >50 To 100, Add	228.32	
	For >500 To 1,000, Deduct	-79.26	
	For >1,000 To 2,000, Deduct	-120.34	
	For >2,000 To 5,000, Deduct	-198.37	
	For >5,000, Deduct	-328.67	
33 01 30 72-0173	LF 25.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,655.99	
	For Vinlyester Resin, Add	1,070.92	
	For Epoxy Resin, Add	126.22	
	For Up To >10, Add	1,143.25	
	For >10 To 25, Add	697.72	
	For >25 To 50, Add	495.13	
	For >50 To 100, Add	247.56	
	For >500 To 1,000, Deduct	-85.95	
	For >1,000 To 2,000, Deduct	-130.50	
	For >2,000 To 5,000, Deduct	-215.11	
	For >5,000, Deduct	-356.42	
33 01 30 72-0174	LF 25.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,785.09	
	For Vinlyester Resin, Add	1,154.38	
	For Epoxy Resin, Add	136.05	
	For Up To >10, Add	1,232.50	
	For >10 To 25, Add	752.23	
	For >25 To 50, Add	533.79	
	For >50 To 100, Add	266.90	
	For >500 To 1,000, Deduct	-92.65	
	For >1,000 To 2,000, Deduct	-140.68	
	For >2,000 To 5,000, Deduct	-231.89	
	For >5,000, Deduct	-384.21	
<b>33 01 30 72-0175</b>	<b>27mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0176	LF 27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	452.31	
	For Vinlyester Resin, Add	293.61	
	For Epoxy Resin, Add	34.60	
	For Up To >10, Add	308.33	
	For >10 To 25, Add	187.04	
	For >25 To 50, Add	133.19	
	For >50 To 100, Add	66.60	
	For >500 To 1,000, Deduct	-23.44	
	For >1,000 To 2,000, Deduct	-35.57	
	For >2,000 To 5,000, Deduct	-58.55	
	For >5,000, Deduct	-97.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0177 LF 27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	520.44	
For Vinylster Resin, Add	337.79	
For Epoxy Resin, Add	39.81	
For Up To >10, Add	354.92	
For >10 To 25, Add	215.34	
For >25 To 50, Add	153.33	
For >50 To 100, Add	76.67	
For >500 To 1,000, Deduct	-26.97	
For >1,000 To 2,000, Deduct	-40.93	
For >2,000 To 5,000, Deduct	-67.38	
For >5,000, Deduct	-111.66	
33 01 30 72-0178 LF 27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	588.57	
For Vinylster Resin, Add	381.98	
For Epoxy Resin, Add	45.02	
For Up To >10, Add	401.51	
For >10 To 25, Add	243.65	
For >25 To 50, Add	173.47	
For >50 To 100, Add	86.74	
For >500 To 1,000, Deduct	-30.50	
For >1,000 To 2,000, Deduct	-46.29	
For >2,000 To 5,000, Deduct	-76.20	
For >5,000, Deduct	-126.29	
33 01 30 72-0179 LF 27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	656.56	
For Vinylster Resin, Add	426.15	
For Epoxy Resin, Add	50.23	
For Up To >10, Add	447.71	
For >10 To 25, Add	271.62	
For >25 To 50, Add	193.41	
For >50 To 100, Add	96.71	
For >500 To 1,000, Deduct	-34.02	
For >1,000 To 2,000, Deduct	-51.63	
For >2,000 To 5,000, Deduct	-85.00	
For >5,000, Deduct	-140.87	
33 01 30 72-0180 LF 27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	792.68	
For Vinylster Resin, Add	514.51	
For Epoxy Resin, Add	60.64	
For Up To >10, Add	540.49	
For >10 To 25, Add	327.91	
For >25 To 50, Add	233.49	
For >50 To 100, Add	116.75	
For >500 To 1,000, Deduct	-41.08	
For >1,000 To 2,000, Deduct	-62.33	
For >2,000 To 5,000, Deduct	-102.62	
For >5,000, Deduct	-170.07	
33 01 30 72-0181 LF 27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	928.92	
For Vinylster Resin, Add	602.88	
For Epoxy Resin, Add	71.05	
For Up To >10, Add	633.64	
For >10 To 25, Add	384.49	
For >25 To 50, Add	273.76	
For >50 To 100, Add	136.88	
For >500 To 1,000, Deduct	-48.14	
For >1,000 To 2,000, Deduct	-73.05	
For >2,000 To 5,000, Deduct	-120.27	
For >5,000, Deduct	-199.32	
33 01 30 72-0182 LF 27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,065.05	
For Vinylster Resin, Add	691.24	
For Epoxy Resin, Add	81.47	
For Up To >10, Add	726.43	
For >10 To 25, Add	440.77	
For >25 To 50, Add	313.84	
For >50 To 100, Add	156.92	
For >500 To 1,000, Deduct	-55.19	
For >1,000 To 2,000, Deduct	-83.76	
For >2,000 To 5,000, Deduct	-137.89	
For >5,000, Deduct	-228.52	
33 01 30 72-0183 LF 27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,201.17	
For Vinylster Resin, Add	779.60	
For Epoxy Resin, Add	91.88	
For Up To >10, Add	819.21	
For >10 To 25, Add	497.06	
For >25 To 50, Add	353.92	
For >50 To 100, Add	176.96	
For >500 To 1,000, Deduct	-62.24	
For >1,000 To 2,000, Deduct	-94.46	
For >2,000 To 5,000, Deduct	-155.51	
For >5,000, Deduct	-257.72	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0184 LF 27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,337.29	
For Vinlyester Resin, Add	867.97	
For Epoxy Resin, Add	102.30	
For Up To >10, Add	912.00	
For >10 To 25, Add	553.34	
For >25 To 50, Add	394.00	
For >50 To 100, Add	197.00	
For >500 To 1,000, Deduct	-69.30	
For >1,000 To 2,000, Deduct	-105.16	
For >2,000 To 5,000, Deduct	-173.13	
For >5,000, Deduct	-286.93	
33 01 30 72-0185 LF 27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,478.79	
For Vinlyester Resin, Add	956.33	
For Epoxy Resin, Add	112.71	
For Up To >10, Add	1,020.92	
For >10 To 25, Add	623.07	
For >25 To 50, Add	442.15	
For >50 To 100, Add	221.08	
For >500 To 1,000, Deduct	-76.75	
For >1,000 To 2,000, Deduct	-116.54	
For >2,000 To 5,000, Deduct	-192.09	
For >5,000, Deduct	-318.28	
33 01 30 72-0186 LF 27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,615.42	
For Vinlyester Resin, Add	1,044.69	
For Epoxy Resin, Add	123.12	
For Up To >10, Add	1,115.24	
For >10 To 25, Add	680.63	
For >25 To 50, Add	483.00	
For >50 To 100, Add	241.50	
For >500 To 1,000, Deduct	-83.85	
For >1,000 To 2,000, Deduct	-127.31	
For >2,000 To 5,000, Deduct	-209.84	
For >5,000, Deduct	-347.69	
33 01 30 72-0187 LF 27mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,752.06	
For Vinlyester Resin, Add	1,133.05	
For Epoxy Resin, Add	133.54	
For Up To >10, Add	1,209.58	
For >10 To 25, Add	738.21	
For >25 To 50, Add	523.86	
For >50 To 100, Add	261.93	
For >500 To 1,000, Deduct	-90.94	
For >1,000 To 2,000, Deduct	-138.08	
For >2,000 To 5,000, Deduct	-227.59	
For >5,000, Deduct	-377.10	
33 01 30 72-0188 LF 27mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,888.69	
For Vinlyester Resin, Add	1,221.41	
For Epoxy Resin, Add	143.95	
For Up To >10, Add	1,303.90	
For >10 To 25, Add	795.77	
For >25 To 50, Add	564.70	
For >50 To 100, Add	282.35	
For >500 To 1,000, Deduct	-98.03	
For >1,000 To 2,000, Deduct	-148.84	
For >2,000 To 5,000, Deduct	-245.34	
For >5,000, Deduct	-406.50	
<b>33 01 30 72-0189 28.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0190 LF 28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	547.35	
For Vinlyester Resin, Add	355.64	
For Epoxy Resin, Add	41.91	
For Up To >10, Add	371.90	
For >10 To 25, Add	225.24	
For >25 To 50, Add	160.55	
For >50 To 100, Add	80.27	
For >500 To 1,000, Deduct	-28.35	
For >1,000 To 2,000, Deduct	-43.02	
For >2,000 To 5,000, Deduct	-70.79	
For >5,000, Deduct	-117.33	
33 01 30 72-0191 LF 28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	619.24	
For Vinlyester Resin, Add	402.28	
For Epoxy Resin, Add	47.41	
For Up To >10, Add	421.02	
For >10 To 25, Add	255.07	
For >25 To 50, Add	181.78	
For >50 To 100, Add	90.89	
For >500 To 1,000, Deduct	-32.08	
For >1,000 To 2,000, Deduct	-48.67	
For >2,000 To 5,000, Deduct	-80.10	
For >5,000, Deduct	-132.76	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0192 LF 28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	690.99	
For Vinylster Resin, Add	448.91	
For Epoxy Resin, Add	52.91	
For Up To >10, Add	469.72	
For >10 To 25, Add	284.55	
For >25 To 50, Add	202.80	
For >50 To 100, Add	101.40	
For >500 To 1,000, Deduct	-35.79	
For >1,000 To 2,000, Deduct	-54.31	
For >2,000 To 5,000, Deduct	-89.38	
For >5,000, Deduct	-148.14	
33 01 30 72-0193 LF 28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	873.90	
For Vinylster Resin, Add	569.75	
For Epoxy Resin, Add	67.15	
For Up To >10, Add	586.88	
For >10 To 25, Add	353.41	
For >25 To 50, Add	252.74	
For >50 To 100, Add	126.37	
For >500 To 1,000, Deduct	-45.19	
For >1,000 To 2,000, Deduct	-68.54	
For >2,000 To 5,000, Deduct	-112.66	
For >5,000, Deduct	-186.77	
33 01 30 72-0194 LF 28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	978.15	
For Vinylster Resin, Add	635.45	
For Epoxy Resin, Add	74.89	
For Up To >10, Add	664.98	
For >10 To 25, Add	402.85	
For >25 To 50, Add	287.10	
For >50 To 100, Add	143.55	
For >500 To 1,000, Deduct	-50.67	
For >1,000 To 2,000, Deduct	-76.88	
For >2,000 To 5,000, Deduct	-126.52	
For >5,000, Deduct	-209.70	
33 01 30 72-0195 LF 28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,121.68	
For Vinylster Resin, Add	728.73	
For Epoxy Resin, Add	85.89	
For Up To >10, Add	762.44	
For >10 To 25, Add	461.86	
For >25 To 50, Add	329.17	
For >50 To 100, Add	164.58	
For >500 To 1,000, Deduct	-58.10	
For >1,000 To 2,000, Deduct	-88.16	
For >2,000 To 5,000, Deduct	-145.08	
For >5,000, Deduct	-240.46	
33 01 30 72-0196 LF 28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,265.20	
For Vinylster Resin, Add	822.00	
For Epoxy Resin, Add	96.88	
For Up To >10, Add	859.90	
For >10 To 25, Add	520.87	
For >25 To 50, Add	371.24	
For >50 To 100, Add	185.62	
For >500 To 1,000, Deduct	-65.53	
For >1,000 To 2,000, Deduct	-99.44	
For >2,000 To 5,000, Deduct	-163.64	
For >5,000, Deduct	-271.22	
33 01 30 72-0197 LF 28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,408.71	
For Vinylster Resin, Add	915.26	
For Epoxy Resin, Add	107.87	
For Up To >10, Add	957.33	
For >10 To 25, Add	579.86	
For >25 To 50, Add	413.29	
For >50 To 100, Add	206.64	
For >500 To 1,000, Deduct	-72.97	
For >1,000 To 2,000, Deduct	-110.71	
For >2,000 To 5,000, Deduct	-182.20	
For >5,000, Deduct	-301.98	
33 01 30 72-0198 LF 28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,557.88	
For Vinylster Resin, Add	1,008.54	
For Epoxy Resin, Add	118.86	
For Up To >10, Add	1,071.72	
For >10 To 25, Add	652.97	
For >25 To 50, Add	463.82	
For >50 To 100, Add	231.91	
For >500 To 1,000, Deduct	-80.82	
For >1,000 To 2,000, Deduct	-122.70	
For >2,000 To 5,000, Deduct	-202.17	
For >5,000, Deduct	-335.00	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30 72-0199	LF	28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,701.90	
			For Vinylster Resin, Add	1,101.81	
			For Epoxy Resin, Add	129.86	
			For Up To >10, Add	1,170.68	
			For >10 To 25, Add	713.23	
			For >25 To 50, Add	506.64	
			For >50 To 100, Add	253.32	
			For >500 To 1,000, Deduct	-88.29	
			For >1,000 To 2,000, Deduct	-134.04	
			For >2,000 To 5,000, Deduct	-220.85	
			For >5,000, Deduct	-365.96	
33 01	30 72-0200	LF	28.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,846.07	
			For Vinylster Resin, Add	1,195.08	
			For Epoxy Resin, Add	140.85	
			For Up To >10, Add	1,270.06	
			For >10 To 25, Add	773.84	
			For >25 To 50, Add	549.67	
			For >50 To 100, Add	274.83	
			For >500 To 1,000, Deduct	-95.77	
			For >1,000 To 2,000, Deduct	-145.40	
			For >2,000 To 5,000, Deduct	-239.57	
			For >5,000, Deduct	-396.98	
33 01	30 72-0201	LF	28.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,990.10	
			For Vinylster Resin, Add	1,288.35	
			For Epoxy Resin, Add	151.84	
			For Up To >10, Add	1,369.05	
			For >10 To 25, Add	834.13	
			For >25 To 50, Add	592.50	
			For >50 To 100, Add	296.25	
			For >500 To 1,000, Deduct	-103.25	
			For >1,000 To 2,000, Deduct	-156.74	
			For >2,000 To 5,000, Deduct	-258.26	
			For >5,000, Deduct	-427.94	
<b>33 01</b>	<b>30 72-0202</b>		<b>30mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01	30 72-0203	LF	30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	574.13	
			For Vinylster Resin, Add	373.39	
			For Epoxy Resin, Add	44.01	
			For Up To >10, Add	388.84	
			For >10 To 25, Add	235.13	
			For >25 To 50, Add	167.75	
			For >50 To 100, Add	83.87	
			For >500 To 1,000, Deduct	-29.72	
			For >1,000 To 2,000, Deduct	-45.10	
			For >2,000 To 5,000, Deduct	-74.19	
			For >5,000, Deduct	-122.97	
33 01	30 72-0204	LF	30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	649.65	
			For Vinylster Resin, Add	422.49	
			For Epoxy Resin, Add	49.79	
			For Up To >10, Add	440.08	
			For >10 To 25, Add	266.14	
			For >25 To 50, Add	189.86	
			For >50 To 100, Add	94.93	
			For >500 To 1,000, Deduct	-33.64	
			For >1,000 To 2,000, Deduct	-51.03	
			For >2,000 To 5,000, Deduct	-83.95	
			For >5,000, Deduct	-139.15	
33 01	30 72-0205	LF	30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	725.16	
			For Vinylster Resin, Add	471.57	
			For Epoxy Resin, Add	55.58	
			For Up To >10, Add	491.31	
			For >10 To 25, Add	297.14	
			For >25 To 50, Add	211.97	
			For >50 To 100, Add	105.98	
			For >500 To 1,000, Deduct	-37.55	
			For >1,000 To 2,000, Deduct	-56.96	
			For >2,000 To 5,000, Deduct	-93.71	
			For >5,000, Deduct	-155.33	
33 01	30 72-0206	LF	30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	876.08	
			For Vinylster Resin, Add	569.75	
			For Epoxy Resin, Add	67.15	
			For Up To >10, Add	593.42	
			For >10 To 25, Add	358.86	
			For >25 To 50, Add	256.01	
			For >50 To 100, Add	128.01	
			For >500 To 1,000, Deduct	-45.36	
			For >1,000 To 2,000, Deduct	-68.81	
			For >2,000 To 5,000, Deduct	-113.21	
			For >5,000, Deduct	-187.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0207 LF 30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,027.13	
For Vinylster Resin, Add	667.93	
For Epoxy Resin, Add	78.72	
For Up To >10, Add	695.92	
For >10 To 25, Add	420.90	
For >25 To 50, Add	300.25	
For >50 To 100, Add	150.12	
For >500 To 1,000, Deduct	-53.18	
For >1,000 To 2,000, Deduct	-80.68	
For >2,000 To 5,000, Deduct	-132.74	
For >5,000, Deduct	-220.01	
33 01 30 72-0208 LF 30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,178.04	
For Vinylster Resin, Add	766.11	
For Epoxy Resin, Add	90.29	
For Up To >10, Add	798.02	
For >10 To 25, Add	482.61	
For >25 To 50, Add	344.29	
For >50 To 100, Add	172.14	
For >500 To 1,000, Deduct	-60.99	
For >1,000 To 2,000, Deduct	-92.53	
For >2,000 To 5,000, Deduct	-152.23	
For >5,000, Deduct	-252.33	
33 01 30 72-0209 LF 30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,329.08	
For Vinylster Resin, Add	864.29	
For Epoxy Resin, Add	101.86	
For Up To >10, Add	900.49	
For >10 To 25, Add	544.63	
For >25 To 50, Add	388.51	
For >50 To 100, Add	194.26	
For >500 To 1,000, Deduct	-68.81	
For >1,000 To 2,000, Deduct	-104.40	
For >2,000 To 5,000, Deduct	-171.76	
For >5,000, Deduct	-284.69	
33 01 30 72-0210 LF 30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,480.00	
For Vinylster Resin, Add	962.47	
For Epoxy Resin, Add	113.43	
For Up To >10, Add	1,002.60	
For >10 To 25, Add	606.34	
For >25 To 50, Add	432.55	
For >50 To 100, Add	216.28	
For >500 To 1,000, Deduct	-76.63	
For >1,000 To 2,000, Deduct	-116.25	
For >2,000 To 5,000, Deduct	-191.26	
For >5,000, Deduct	-317.01	
33 01 30 72-0211 LF 30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,636.82	
For Vinylster Resin, Add	1,060.65	
For Epoxy Resin, Add	125.01	
For Up To >10, Add	1,122.41	
For >10 To 25, Add	682.81	
For >25 To 50, Add	485.44	
For >50 To 100, Add	242.72	
For >500 To 1,000, Deduct	-84.88	
For >1,000 To 2,000, Deduct	-128.84	
For >2,000 To 5,000, Deduct	-212.23	
For >5,000, Deduct	-351.68	
33 01 30 72-0212 LF 30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,788.25	
For Vinylster Resin, Add	1,158.83	
For Epoxy Resin, Add	136.58	
For Up To >10, Add	1,226.08	
For >10 To 25, Add	745.82	
For >25 To 50, Add	530.26	
For >50 To 100, Add	265.13	
For >500 To 1,000, Deduct	-92.73	
For >1,000 To 2,000, Deduct	-140.76	
For >2,000 To 5,000, Deduct	-231.85	
For >5,000, Deduct	-384.21	
33 01 30 72-0213 LF 30mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,939.80	
For Vinylster Resin, Add	1,257.01	
For Epoxy Resin, Add	148.15	
For Up To >10, Add	1,330.08	
For >10 To 25, Add	809.11	
For >25 To 50, Add	575.25	
For >50 To 100, Add	287.63	
For >500 To 1,000, Deduct	-100.59	
For >1,000 To 2,000, Deduct	-152.69	
For >2,000 To 5,000, Deduct	-251.51	
For >5,000, Deduct	-416.77	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30	72-0214	LF 30mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,091.36	
			For Vinlyester Resin, Add	1,355.19	
			For Epoxy Resin, Add	159.72	
			For Up To >10, Add	1,434.11	
			For >10 To 25, Add	872.42	
			For >25 To 50, Add	620.25	
			For >50 To 100, Add	310.13	
			For >500 To 1,000, Deduct	-108.45	
			For >1,000 To 2,000, Deduct	-164.62	
			For >2,000 To 5,000, Deduct	-271.16	
			For >5,000, Deduct	-449.35	
33 01	30	72-0215	LF 30mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,242.78	
			For Vinlyester Resin, Add	1,453.37	
			For Epoxy Resin, Add	171.29	
			For Up To >10, Add	1,537.74	
			For >10 To 25, Add	935.41	
			For >25 To 50, Add	665.06	
			For >50 To 100, Add	332.53	
			For >500 To 1,000, Deduct	-116.30	
			For >1,000 To 2,000, Deduct	-176.54	
			For >2,000 To 5,000, Deduct	-290.78	
			For >5,000, Deduct	-481.86	
33 01	30	72-0216	LF 30mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,394.35	
			For Vinlyester Resin, Add	1,551.55	
			For Epoxy Resin, Add	182.86	
			For Up To >10, Add	1,641.80	
			For >10 To 25, Add	998.75	
			For >25 To 50, Add	710.08	
			For >50 To 100, Add	355.04	
			For >500 To 1,000, Deduct	-124.16	
			For >1,000 To 2,000, Deduct	-188.47	
			For >2,000 To 5,000, Deduct	-310.44	
			For >5,000, Deduct	-514.44	
<b>33 01</b>	<b>30</b>	<b>72-0217</b>	<b>31.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01	30	72-0218	LF 31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	600.76	
			For Vinlyester Resin, Add	391.05	
			For Epoxy Resin, Add	46.09	
			For Up To >10, Add	405.68	
			For >10 To 25, Add	244.96	
			For >25 To 50, Add	174.91	
			For >50 To 100, Add	87.45	
			For >500 To 1,000, Deduct	-31.09	
			For >1,000 To 2,000, Deduct	-47.16	
			For >2,000 To 5,000, Deduct	-77.57	
			For >5,000, Deduct	-128.58	
33 01	30	72-0219	LF 31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	679.92	
			For Vinlyester Resin, Add	442.60	
			For Epoxy Resin, Add	52.16	
			For Up To >10, Add	459.06	
			For >10 To 25, Add	277.17	
			For >25 To 50, Add	197.92	
			For >50 To 100, Add	98.96	
			For >500 To 1,000, Deduct	-35.19	
			For >1,000 To 2,000, Deduct	-53.38	
			For >2,000 To 5,000, Deduct	-87.78	
			For >5,000, Deduct	-145.51	
33 01	30	72-0220	LF 31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	759.07	
			For Vinlyester Resin, Add	494.14	
			For Epoxy Resin, Add	58.24	
			For Up To >10, Add	512.44	
			For >10 To 25, Add	309.38	
			For >25 To 50, Add	220.92	
			For >50 To 100, Add	110.46	
			For >500 To 1,000, Deduct	-39.28	
			For >1,000 To 2,000, Deduct	-59.59	
			For >2,000 To 5,000, Deduct	-98.00	
			For >5,000, Deduct	-162.45	
33 01	30	72-0221	LF 31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	917.52	
			For Vinlyester Resin, Add	597.23	
			For Epoxy Resin, Add	70.39	
			For Up To >10, Add	619.61	
			For >10 To 25, Add	374.15	
			For >25 To 50, Add	267.15	
			For >50 To 100, Add	133.57	
			For >500 To 1,000, Deduct	-47.48	
			For >1,000 To 2,000, Deduct	-72.03	
			For >2,000 To 5,000, Deduct	-118.47	
			For >5,000, Deduct	-196.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0222 LF 31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,075.82	
For Vinlyester Resin, Add	700.32	
For Epoxy Resin, Add	82.54	
For Up To >10, Add	726.34	
For >10 To 25, Add	438.54	
For >25 To 50, Add	313.15	
For >50 To 100, Add	156.57	
For >500 To 1,000, Deduct	-55.68	
For >1,000 To 2,000, Deduct	-84.46	
For >2,000 To 5,000, Deduct	-138.90	
For >5,000, Deduct	-230.24	
33 01 30 72-0223 LF 31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,234.26	
For Vinlyester Resin, Add	803.40	
For Epoxy Resin, Add	94.69	
For Up To >10, Add	833.48	
For >10 To 25, Add	503.28	
For >25 To 50, Add	359.35	
For >50 To 100, Add	179.68	
For >500 To 1,000, Deduct	-63.88	
For >1,000 To 2,000, Deduct	-96.90	
For >2,000 To 5,000, Deduct	-159.36	
For >5,000, Deduct	-264.16	
33 01 30 72-0224 LF 31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,392.58	
For Vinlyester Resin, Add	906.49	
For Epoxy Resin, Add	106.84	
For Up To >10, Add	940.27	
For >10 To 25, Add	567.72	
For >25 To 50, Add	405.38	
For >50 To 100, Add	202.69	
For >500 To 1,000, Deduct	-72.07	
For >1,000 To 2,000, Deduct	-109.32	
For >2,000 To 5,000, Deduct	-179.80	
For >5,000, Deduct	-298.03	
33 01 30 72-0225 LF 31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,550.89	
For Vinlyester Resin, Add	1,009.58	
For Epoxy Resin, Add	118.99	
For Up To >10, Add	1,047.02	
For >10 To 25, Add	632.14	
For >25 To 50, Add	451.40	
For >50 To 100, Add	225.70	
For >500 To 1,000, Deduct	-80.26	
For >1,000 To 2,000, Deduct	-121.75	
For >2,000 To 5,000, Deduct	-200.23	
For >5,000, Deduct	-331.90	
33 01 30 72-0226 LF 31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,715.37	
For Vinlyester Resin, Add	1,112.67	
For Epoxy Resin, Add	131.14	
For Up To >10, Add	1,172.29	
For >10 To 25, Add	711.98	
For >25 To 50, Add	506.67	
For >50 To 100, Add	253.33	
For >500 To 1,000, Deduct	-88.91	
For >1,000 To 2,000, Deduct	-134.94	
For >2,000 To 5,000, Deduct	-222.20	
For >5,000, Deduct	-368.24	
33 01 30 72-0227 LF 31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,886.32	
For Vinlyester Resin, Add	1,224.06	
For Epoxy Resin, Add	144.26	
For Up To >10, Add	1,287.31	
For >10 To 25, Add	781.32	
For >25 To 50, Add	556.22	
For >50 To 100, Add	278.11	
For >500 To 1,000, Deduct	-97.76	
For >1,000 To 2,000, Deduct	-148.36	
For >2,000 To 5,000, Deduct	-244.25	
For >5,000, Deduct	-404.80	
33 01 30 72-0228 LF 31.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,033.15	
For Vinlyester Resin, Add	1,318.85	
For Epoxy Resin, Add	155.44	
For Up To >10, Add	1,389.28	
For >10 To 25, Add	843.72	
For >25 To 50, Add	600.43	
For >50 To 100, Add	300.22	
For >500 To 1,000, Deduct	-105.38	
For >1,000 To 2,000, Deduct	-159.94	
For >2,000 To 5,000, Deduct	-263.36	
For >5,000, Deduct	-436.45	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 30 72-0229	LF 31.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,192.11
	For Vinlyester Resin, Add	1,421.94
	For Epoxy Resin, Add	167.59
	For Up To >10, Add	1,497.98
	For >10 To 25, Add	909.76
	For >25 To 50, Add	647.42
	For >50 To 100, Add	323.71
	For >500 To 1,000, Deduct	-113.62
	For >1,000 To 2,000, Deduct	-172.45
	For >2,000 To 5,000, Deduct	-283.95
	For >5,000, Deduct	-470.58
33 01 30 72-0230	LF 31.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,350.94
	For Vinlyester Resin, Add	1,525.03
	For Epoxy Resin, Add	179.74
	For Up To >10, Add	1,606.30
	For >10 To 25, Add	975.48
	For >25 To 50, Add	694.22
	For >50 To 100, Add	347.11
	For >500 To 1,000, Deduct	-121.86
	For >1,000 To 2,000, Deduct	-184.94
	For >2,000 To 5,000, Deduct	-304.52
	For >5,000, Deduct	-504.65
33 01 30 72-0231	LF 31.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,509.90
	For Vinlyester Resin, Add	1,628.12
	For Epoxy Resin, Add	191.89
	For Up To >10, Add	1,715.00
	For >10 To 25, Add	1,041.52
	For >25 To 50, Add	741.21
	For >50 To 100, Add	370.60
	For >500 To 1,000, Deduct	-130.10
	For >1,000 To 2,000, Deduct	-197.44
	For >2,000 To 5,000, Deduct	-325.11
	For >5,000, Deduct	-538.78
<b>33 01 30 72-0232</b>	<b>33mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>	
33 01 30 72-0233	LF 33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	627.13
	For Vinlyester Resin, Add	408.61
	For Epoxy Resin, Add	48.16
	For Up To >10, Add	422.07
	For >10 To 25, Add	254.43
	For >25 To 50, Add	181.85
	For >50 To 100, Add	90.92
	For >500 To 1,000, Deduct	-32.44
	For >1,000 To 2,000, Deduct	-49.20
	For >2,000 To 5,000, Deduct	-80.90
	For >5,000, Deduct	-134.11
33 01 30 72-0234	LF 33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	710.04
	For Vinlyester Resin, Add	462.60
	For Epoxy Resin, Add	54.52
	For Up To >10, Add	477.97
	For >10 To 25, Add	288.17
	For >25 To 50, Add	205.94
	For >50 To 100, Add	102.97
	For >500 To 1,000, Deduct	-36.73
	For >1,000 To 2,000, Deduct	-55.71
	For >2,000 To 5,000, Deduct	-91.60
	For >5,000, Deduct	-151.84
33 01 30 72-0235	LF 33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	792.84
	For Vinlyester Resin, Add	516.61
	For Epoxy Resin, Add	60.89
	For Up To >10, Add	533.50
	For >10 To 25, Add	321.58
	For >25 To 50, Add	229.85
	For >50 To 100, Add	114.92
	For >500 To 1,000, Deduct	-41.01
	For >1,000 To 2,000, Deduct	-62.20
	For >2,000 To 5,000, Deduct	-102.27
	For >5,000, Deduct	-169.53
33 01 30 72-0236	LF 33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	958.68
	For Vinlyester Resin, Add	624.60
	For Epoxy Resin, Add	73.61
	For Up To >10, Add	645.32
	For >10 To 25, Add	389.05
	For >25 To 50, Add	278.04
	For >50 To 100, Add	139.02
	For >500 To 1,000, Deduct	-49.59
	For >1,000 To 2,000, Deduct	-75.22
	For >2,000 To 5,000, Deduct	-123.67
	For >5,000, Deduct	-205.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0237 LF 33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,124.38	
For Vinlyester Resin, Add	732.60	
For Epoxy Resin, Add	86.34	
For Up To >10, Add	756.72	
For >10 To 25, Add	456.17	
For >25 To 50, Add	326.03	
For >50 To 100, Add	163.01	
For >500 To 1,000, Deduct	-58.16	
For >1,000 To 2,000, Deduct	-88.22	
For >2,000 To 5,000, Deduct	-145.04	
For >5,000, Deduct	-240.44	
33 01 30 72-0238 LF 33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,290.23	
For Vinlyester Resin, Add	840.60	
For Epoxy Resin, Add	99.07	
For Up To >10, Add	868.54	
For >10 To 25, Add	523.64	
For >25 To 50, Add	374.23	
For >50 To 100, Add	187.11	
For >500 To 1,000, Deduct	-66.75	
For >1,000 To 2,000, Deduct	-101.24	
For >2,000 To 5,000, Deduct	-166.45	
For >5,000, Deduct	-275.92	
33 01 30 72-0239 LF 33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,455.94	
For Vinlyester Resin, Add	948.60	
For Epoxy Resin, Add	111.80	
For Up To >10, Add	979.97	
For >10 To 25, Add	590.79	
For >25 To 50, Add	422.23	
For >50 To 100, Add	211.11	
For >500 To 1,000, Deduct	-75.32	
For >1,000 To 2,000, Deduct	-114.24	
For >2,000 To 5,000, Deduct	-187.82	
For >5,000, Deduct	-311.35	
33 01 30 72-0240 LF 33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,621.65	
For Vinlyester Resin, Add	1,056.59	
For Epoxy Resin, Add	124.53	
For Up To >10, Add	1,091.40	
For >10 To 25, Add	657.93	
For >25 To 50, Add	470.23	
For >50 To 100, Add	235.11	
For >500 To 1,000, Deduct	-83.89	
For >1,000 To 2,000, Deduct	-127.24	
For >2,000 To 5,000, Deduct	-209.19	
For >5,000, Deduct	-346.78	
33 01 30 72-0241 LF 33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,793.65	
For Vinlyester Resin, Add	1,164.59	
For Epoxy Resin, Add	137.26	
For Up To >10, Add	1,221.70	
For >10 To 25, Add	740.80	
For >25 To 50, Add	527.67	
For >50 To 100, Add	263.83	
For >500 To 1,000, Deduct	-92.93	
For >1,000 To 2,000, Deduct	-141.02	
For >2,000 To 5,000, Deduct	-232.13	
For >5,000, Deduct	-384.72	
33 01 30 72-0242 LF 33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,960.40	
For Vinlyester Resin, Add	1,272.59	
For Epoxy Resin, Add	149.98	
For Up To >10, Add	1,336.23	
For >10 To 25, Add	810.52	
For >25 To 50, Add	577.21	
For >50 To 100, Add	288.61	
For >500 To 1,000, Deduct	-101.58	
For >1,000 To 2,000, Deduct	-154.15	
For >2,000 To 5,000, Deduct	-253.76	
For >5,000, Deduct	-420.56	
33 01 30 72-0243 LF 33mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,126.23	
For Vinlyester Resin, Add	1,380.59	
For Epoxy Resin, Add	162.71	
For Up To >10, Add	1,448.02	
For >10 To 25, Add	877.97	
For >25 To 50, Add	625.39	
For >50 To 100, Add	312.70	
For >500 To 1,000, Deduct	-110.16	
For >1,000 To 2,000, Deduct	-167.17	
For >2,000 To 5,000, Deduct	-275.16	
For >5,000, Deduct	-456.04	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30	72-0244	LF 33mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	2,292.59	
			For Vinylster Resin, Add	1,488.59	
			For Epoxy Resin, Add	175.44	
			For Up To >10, Add	1,561.40	
			For >10 To 25, Add	946.74	
			For >25 To 50, Add	674.37	
			For >50 To 100, Add	337.19	
			For >500 To 1,000, Deduct	-118.78	
			For >1,000 To 2,000, Deduct	-180.25	
			For >2,000 To 5,000, Deduct	-296.70	
			For >5,000, Deduct	-491.73	
33 01	30	72-0245	LF 33mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	2,458.93	
			For Vinylster Resin, Add	1,596.58	
			For Epoxy Resin, Add	188.17	
			For Up To >10, Add	1,674.72	
			For >10 To 25, Add	1,015.46	
			For >25 To 50, Add	723.32	
			For >50 To 100, Add	361.66	
			For >500 To 1,000, Deduct	-127.40	
			For >1,000 To 2,000, Deduct	-193.32	
			For >2,000 To 5,000, Deduct	-318.22	
			For >5,000, Deduct	-527.41	
33 01	30	72-0246	LF 33mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	2,625.29	
			For Vinylster Resin, Add	1,704.58	
			For Epoxy Resin, Add	200.90	
			For Up To >10, Add	1,788.10	
			For >10 To 25, Add	1,084.23	
			For >25 To 50, Add	772.29	
			For >50 To 100, Add	386.15	
			For >500 To 1,000, Deduct	-136.02	
			For >1,000 To 2,000, Deduct	-206.41	
			For >2,000 To 5,000, Deduct	-339.76	
			For >5,000, Deduct	-563.09	
<b>33 01</b>	<b>30</b>	<b>72-0247</b>	<b>34.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01	30	72-0248	LF 34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	739.66	
			For Vinylster Resin, Add	482.52	
			For Epoxy Resin, Add	56.87	
			For Up To >10, Add	495.68	
			For >10 To 25, Add	298.18	
			For >25 To 50, Add	213.37	
			For >50 To 100, Add	106.69	
			For >500 To 1,000, Deduct	-38.24	
			For >1,000 To 2,000, Deduct	-57.99	
			For >2,000 To 5,000, Deduct	-95.30	
			For >5,000, Deduct	-158.00	
33 01	30	72-0249	LF 34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	826.21	
			For Vinylster Resin, Add	538.97	
			For Epoxy Resin, Add	63.52	
			For Up To >10, Add	553.73	
			For >10 To 25, Add	333.12	
			For >25 To 50, Add	238.37	
			For >50 To 100, Add	119.18	
			For >500 To 1,000, Deduct	-42.72	
			For >1,000 To 2,000, Deduct	-64.78	
			For >2,000 To 5,000, Deduct	-106.46	
			For >5,000, Deduct	-176.49	
33 01	30	72-0250	LF 34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	999.32	
			For Vinylster Resin, Add	651.88	
			For Epoxy Resin, Add	76.83	
			For Up To >10, Add	669.81	
			For >10 To 25, Add	402.97	
			For >25 To 50, Add	288.34	
			For >50 To 100, Add	144.17	
			For >500 To 1,000, Deduct	-51.67	
			For >1,000 To 2,000, Deduct	-78.35	
			For >2,000 To 5,000, Deduct	-128.77	
			For >5,000, Deduct	-213.48	
33 01	30	72-0251	LF 34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,172.30	
			For Vinylster Resin, Add	764.79	
			For Epoxy Resin, Add	90.14	
			For Up To >10, Add	785.53	
			For >10 To 25, Add	472.51	
			For >25 To 50, Add	338.14	
			For >50 To 100, Add	169.07	
			For >500 To 1,000, Deduct	-60.61	
			For >1,000 To 2,000, Deduct	-91.91	
			For >2,000 To 5,000, Deduct	-151.04	
			For >5,000, Deduct	-250.41	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0252 LF 34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,345.41	
For Vinyl ester Resin, Add	877.70	
For Epoxy Resin, Add	103.44	
For Up To >10, Add	901.61	
For >10 To 25, Add	542.36	
For >25 To 50, Add	388.11	
For >50 To 100, Add	194.06	
For >500 To 1,000, Deduct	-69.56	
For >1,000 To 2,000, Deduct	-105.48	
For >2,000 To 5,000, Deduct	-173.35	
For >5,000, Deduct	-287.39	
33 01 30 72-0253 LF 34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,518.39	
For Vinyl ester Resin, Add	990.61	
For Epoxy Resin, Add	116.75	
For Up To >10, Add	1,017.30	
For >10 To 25, Add	611.89	
For >25 To 50, Add	437.89	
For >50 To 100, Add	218.95	
For >500 To 1,000, Deduct	-78.50	
For >1,000 To 2,000, Deduct	-119.04	
For >2,000 To 5,000, Deduct	-195.63	
For >5,000, Deduct	-324.33	
33 01 30 72-0254 LF 34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,691.49	
For Vinyl ester Resin, Add	1,103.51	
For Epoxy Resin, Add	130.06	
For Up To >10, Add	1,133.37	
For >10 To 25, Add	681.74	
For >25 To 50, Add	487.86	
For >50 To 100, Add	243.93	
For >500 To 1,000, Deduct	-87.45	
For >1,000 To 2,000, Deduct	-132.61	
For >2,000 To 5,000, Deduct	-217.94	
For >5,000, Deduct	-361.31	
33 01 30 72-0255 LF 34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,870.90	
For Vinyl ester Resin, Add	1,216.42	
For Epoxy Resin, Add	143.36	
For Up To >10, Add	1,268.35	
For >10 To 25, Add	767.34	
For >25 To 50, Add	547.29	
For >50 To 100, Add	273.64	
For >500 To 1,000, Deduct	-96.87	
For >1,000 To 2,000, Deduct	-146.98	
For >2,000 To 5,000, Deduct	-241.82	
For >5,000, Deduct	-400.81	
33 01 30 72-0256 LF 34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,044.78	
For Vinyl ester Resin, Add	1,329.32	
For Epoxy Resin, Add	156.67	
For Up To >10, Add	1,386.77	
For >10 To 25, Add	839.13	
For >25 To 50, Add	598.43	
For >50 To 100, Add	299.22	
For >500 To 1,000, Deduct	-105.88	
For >1,000 To 2,000, Deduct	-160.65	
For >2,000 To 5,000, Deduct	-264.32	
For >5,000, Deduct	-438.11	
33 01 30 72-0257 LF 34.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,216.09	
For Vinyl ester Resin, Add	1,442.23	
For Epoxy Resin, Add	169.98	
For Up To >10, Add	1,497.45	
For >10 To 25, Add	904.48	
For >25 To 50, Add	645.71	
For >50 To 100, Add	322.85	
For >500 To 1,000, Deduct	-114.70	
For >1,000 To 2,000, Deduct	-173.99	
For >2,000 To 5,000, Deduct	-286.18	
For >5,000, Deduct	-474.37	
33 01 30 72-0258 LF 34.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,391.89	
For Vinyl ester Resin, Add	1,555.13	
For Epoxy Resin, Add	183.28	
For Up To >10, Add	1,621.62	
For >10 To 25, Add	981.08	
For >25 To 50, Add	699.73	
For >50 To 100, Add	349.86	
For >500 To 1,000, Deduct	-123.85	
For >1,000 To 2,000, Deduct	-187.91	
For >2,000 To 5,000, Deduct	-309.16	
For >5,000, Deduct	-512.43	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0259	LF 34.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,565.52
	For Vinylster Resin, Add	1,668.04
	For Epoxy Resin, Add	196.59
	For Up To >10, Add	1,739.26
	For >10 To 25, Add	1,052.23
	For >25 To 50, Add	750.48
	For >50 To 100, Add	375.24
	For >500 To 1,000, Deduct	-132.84
	For >1,000 To 2,000, Deduct	-201.54
	For >2,000 To 5,000, Deduct	-331.60
	For >5,000, Deduct	-549.62
33 01 30 72-0260	LF 34.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,739.13
	For Vinylster Resin, Add	1,780.95
	For Epoxy Resin, Add	209.90
	For Up To >10, Add	1,856.87
	For >10 To 25, Add	1,123.35
	For >25 To 50, Add	801.22
	For >50 To 100, Add	400.61
	For >500 To 1,000, Deduct	-141.83
	For >1,000 To 2,000, Deduct	-215.18
	For >2,000 To 5,000, Deduct	-354.04
	For >5,000, Deduct	-586.81
<b>33 01 30 72-0261</b>	<b>36mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>	
33 01 30 72-0262	LF 36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	769.12
	For Vinylster Resin, Add	502.34
	For Epoxy Resin, Add	59.20
	For Up To >10, Add	513.29
	For >10 To 25, Add	308.13
	For >25 To 50, Add	220.76
	For >50 To 100, Add	110.38
	For >500 To 1,000, Deduct	-39.74
	For >1,000 To 2,000, Deduct	-60.26
	For >2,000 To 5,000, Deduct	-98.99
	For >5,000, Deduct	-164.12
33 01 30 72-0263	LF 36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	859.31
	For Vinylster Resin, Add	561.25
	For Epoxy Resin, Add	66.15
	For Up To >10, Add	573.48
	For >10 To 25, Add	344.27
	For >25 To 50, Add	246.65
	For >50 To 100, Add	123.33
	For >500 To 1,000, Deduct	-44.40
	For >1,000 To 2,000, Deduct	-67.32
	For >2,000 To 5,000, Deduct	-110.60
	For >5,000, Deduct	-183.37
33 01 30 72-0264	LF 36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,039.69
	For Vinylster Resin, Add	679.06
	For Epoxy Resin, Add	80.03
	For Up To >10, Add	693.85
	For >10 To 25, Add	416.52
	For >25 To 50, Add	298.42
	For >50 To 100, Add	149.21
	For >500 To 1,000, Deduct	-53.72
	For >1,000 To 2,000, Deduct	-81.46
	For >2,000 To 5,000, Deduct	-133.81
	For >5,000, Deduct	-221.86
33 01 30 72-0265	LF 36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,220.07
	For Vinylster Resin, Add	796.88
	For Epoxy Resin, Add	93.92
	For Up To >10, Add	814.21
	For >10 To 25, Add	488.78
	For >25 To 50, Add	350.19
	For >50 To 100, Add	175.09
	For >500 To 1,000, Deduct	-63.05
	For >1,000 To 2,000, Deduct	-95.59
	For >2,000 To 5,000, Deduct	-157.03
	For >5,000, Deduct	-260.35
33 01 30 72-0266	LF 36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,400.32
	For Vinylster Resin, Add	914.70
	For Epoxy Resin, Add	107.80
	For Up To >10, Add	934.19
	For >10 To 25, Add	560.70
	For >25 To 50, Add	401.76
	For >50 To 100, Add	200.88
	For >500 To 1,000, Deduct	-72.36
	For >1,000 To 2,000, Deduct	-109.70
	For >2,000 To 5,000, Deduct	-180.21
	For >5,000, Deduct	-298.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0267 LF 36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,580.70	
For Vinylster Resin, Add	1,032.51	
For Epoxy Resin, Add	121.69	
For Up To >10, Add	1,054.55	
For >10 To 25, Add	632.96	
For >25 To 50, Add	453.52	
For >50 To 100, Add	226.76	
For >500 To 1,000, Deduct	-81.68	
For >1,000 To 2,000, Deduct	-123.84	
For >2,000 To 5,000, Deduct	-203.42	
For >5,000, Deduct	-337.28	
33 01 30 72-0268 LF 36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,761.08	
For Vinylster Resin, Add	1,150.33	
For Epoxy Resin, Add	135.57	
For Up To >10, Add	1,174.92	
For >10 To 25, Add	705.21	
For >25 To 50, Add	505.29	
For >50 To 100, Add	252.65	
For >500 To 1,000, Deduct	-91.00	
For >1,000 To 2,000, Deduct	-137.97	
For >2,000 To 5,000, Deduct	-226.64	
For >5,000, Deduct	-375.77	
33 01 30 72-0269 LF 36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,948.00	
For Vinylster Resin, Add	1,268.14	
For Epoxy Resin, Add	149.46	
For Up To >10, Add	1,314.93	
For >10 To 25, Add	793.83	
For >25 To 50, Add	566.88	
For >50 To 100, Add	283.44	
For >500 To 1,000, Deduct	-100.81	
For >1,000 To 2,000, Deduct	-152.92	
For >2,000 To 5,000, Deduct	-251.49	
For >5,000, Deduct	-416.87	
33 01 30 72-0270 LF 36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,129.02	
For Vinylster Resin, Add	1,385.96	
For Epoxy Resin, Add	163.35	
For Up To >10, Add	1,437.21	
For >10 To 25, Add	867.69	
For >25 To 50, Add	619.61	
For >50 To 100, Add	309.80	
For >500 To 1,000, Deduct	-110.18	
For >1,000 To 2,000, Deduct	-167.13	
For >2,000 To 5,000, Deduct	-274.86	
For >5,000, Deduct	-455.62	
33 01 30 72-0271 LF 36mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,305.68	
For Vinylster Resin, Add	1,503.78	
For Epoxy Resin, Add	177.23	
For Up To >10, Add	1,546.42	
For >10 To 25, Add	930.64	
For >25 To 50, Add	665.80	
For >50 To 100, Add	332.90	
For >500 To 1,000, Deduct	-119.22	
For >1,000 To 2,000, Deduct	-180.80	
For >2,000 To 5,000, Deduct	-297.15	
For >5,000, Deduct	-492.62	
33 01 30 72-0272 LF 36mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,490.94	
For Vinylster Resin, Add	1,621.59	
For Epoxy Resin, Add	191.12	
For Up To >10, Add	1,681.42	
For >10 To 25, Add	1,015.09	
For >25 To 50, Add	724.88	
For >50 To 100, Add	362.44	
For >500 To 1,000, Deduct	-128.91	
For >1,000 To 2,000, Deduct	-195.54	
For >2,000 To 5,000, Deduct	-321.58	
For >5,000, Deduct	-533.06	
33 01 30 72-0273 LF 36mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,671.97	
For Vinylster Resin, Add	1,739.41	
For Epoxy Resin, Add	205.00	
For Up To >10, Add	1,803.74	
For >10 To 25, Add	1,088.97	
For >25 To 50, Add	777.62	
For >50 To 100, Add	388.81	
For >500 To 1,000, Deduct	-138.28	
For >1,000 To 2,000, Deduct	-209.75	
For >2,000 To 5,000, Deduct	-344.96	
For >5,000, Deduct	-571.81	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30	72-0274	LF 36mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	2,852.97	
			For Vinlyester Resin, Add	1,857.22	
			For Epoxy Resin, Add	218.89	
			For Up To >10, Add	1,925.99	
			For >10 To 25, Add	1,162.79	
			For >25 To 50, Add	830.33	
			For >50 To 100, Add	415.17	
			For >500 To 1,000, Deduct	-147.64	
			For >1,000 To 2,000, Deduct	-223.96	
			For >2,000 To 5,000, Deduct	-368.33	
			For >5,000, Deduct	-610.55	
33 01	30	72-0275	LF 36mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	3,033.87	
			For Vinlyester Resin, Add	1,975.04	
			For Epoxy Resin, Add	232.77	
			For Up To >10, Add	2,047.91	
			For >10 To 25, Add	1,236.35	
			For >25 To 50, Add	882.88	
			For >50 To 100, Add	441.44	
			For >500 To 1,000, Deduct	-157.00	
			For >1,000 To 2,000, Deduct	-238.16	
			For >2,000 To 5,000, Deduct	-391.68	
			For >5,000, Deduct	-649.25	
33 01	30	72-0276	LF 36mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	3,214.89	
			For Vinlyester Resin, Add	2,092.85	
			For Epoxy Resin, Add	246.66	
			For Up To >10, Add	2,170.20	
			For >10 To 25, Add	1,310.20	
			For >25 To 50, Add	935.61	
			For >50 To 100, Add	467.80	
			For >500 To 1,000, Deduct	-166.37	
			For >1,000 To 2,000, Deduct	-252.37	
			For >2,000 To 5,000, Deduct	-415.05	
			For >5,000, Deduct	-688.00	
<b>33 01 30</b>	<b>72-0277</b>		<b>37.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01	30	72-0278	LF 37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	892.15	
			For Vinlyester Resin, Add	583.42	
			For Epoxy Resin, Add	68.76	
			For Up To >10, Add	592.80	
			For >10 To 25, Add	355.09	
			For >25 To 50, Add	254.73	
			For >50 To 100, Add	127.36	
			For >500 To 1,000, Deduct	-46.07	
			For >1,000 To 2,000, Deduct	-69.85	
			For >2,000 To 5,000, Deduct	-114.69	
			For >5,000, Deduct	-190.17	
33 01	30	72-0279	LF 37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,079.80	
			For Vinlyester Resin, Add	706.15	
			For Epoxy Resin, Add	83.23	
			For Up To >10, Add	717.43	
			For >10 To 25, Add	429.72	
			For >25 To 50, Add	308.27	
			For >50 To 100, Add	154.14	
			For >500 To 1,000, Deduct	-55.77	
			For >1,000 To 2,000, Deduct	-84.54	
			For >2,000 To 5,000, Deduct	-138.81	
			For >5,000, Deduct	-230.16	
33 01	30	72-0280	LF 37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,267.44	
			For Vinlyester Resin, Add	828.88	
			For Epoxy Resin, Add	97.69	
			For Up To >10, Add	842.05	
			For >10 To 25, Add	504.35	
			For >25 To 50, Add	361.82	
			For >50 To 100, Add	180.91	
			For >500 To 1,000, Deduct	-65.46	
			For >1,000 To 2,000, Deduct	-99.22	
			For >2,000 To 5,000, Deduct	-162.93	
			For >5,000, Deduct	-270.15	
33 01	30	72-0281	LF 37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,455.09	
			For Vinlyester Resin, Add	951.60	
			For Epoxy Resin, Add	112.15	
			For Up To >10, Add	966.70	
			For >10 To 25, Add	579.01	
			For >25 To 50, Add	415.38	
			For >50 To 100, Add	207.69	
			For >500 To 1,000, Deduct	-75.15	
			For >1,000 To 2,000, Deduct	-113.91	
			For >2,000 To 5,000, Deduct	-187.05	
			For >5,000, Deduct	-310.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0282 LF 37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,642.74	
For Vinlyester Resin, Add	1,074.33	
For Epoxy Resin, Add	126.62	
For Up To >10, Add	1,091.35	
For >10 To 25, Add	653.66	
For >25 To 50, Add	468.94	
For >50 To 100, Add	234.47	
For >500 To 1,000, Deduct	-84.84	
For >1,000 To 2,000, Deduct	-128.61	
For >2,000 To 5,000, Deduct	-211.17	
For >5,000, Deduct	-350.15	
33 01 30 72-0283 LF 37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,830.39	
For Vinlyester Resin, Add	1,197.05	
For Epoxy Resin, Add	141.08	
For Up To >10, Add	1,216.00	
For >10 To 25, Add	728.32	
For >25 To 50, Add	522.49	
For >50 To 100, Add	261.25	
For >500 To 1,000, Deduct	-94.53	
For >1,000 To 2,000, Deduct	-143.30	
For >2,000 To 5,000, Deduct	-235.29	
For >5,000, Deduct	-390.14	
33 01 30 72-0284 LF 37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,024.72	
For Vinlyester Resin, Add	1,319.77	
For Epoxy Resin, Add	155.54	
For Up To >10, Add	1,360.69	
For >10 To 25, Add	819.67	
For >25 To 50, Add	586.07	
For >50 To 100, Add	293.04	
For >500 To 1,000, Deduct	-104.72	
For >1,000 To 2,000, Deduct	-158.82	
For >2,000 To 5,000, Deduct	-261.08	
For >5,000, Deduct	-432.81	
33 01 30 72-0285 LF 37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,213.00	
For Vinlyester Resin, Add	1,442.50	
For Epoxy Resin, Add	170.01	
For Up To >10, Add	1,487.23	
For >10 To 25, Add	895.90	
For >25 To 50, Add	640.58	
For >50 To 100, Add	320.29	
For >500 To 1,000, Deduct	-114.46	
For >1,000 To 2,000, Deduct	-173.59	
For >2,000 To 5,000, Deduct	-285.36	
For >5,000, Deduct	-473.06	
33 01 30 72-0286 LF 37.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,399.11	
For Vinlyester Resin, Add	1,565.22	
For Epoxy Resin, Add	184.47	
For Up To >10, Add	1,607.26	
For >10 To 25, Add	966.71	
For >25 To 50, Add	691.83	
For >50 To 100, Add	345.91	
For >500 To 1,000, Deduct	-124.03	
For >1,000 To 2,000, Deduct	-188.09	
For >2,000 To 5,000, Deduct	-309.09	
For >5,000, Deduct	-512.44	
33 01 30 72-0287 LF 37.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,589.59	
For Vinlyester Resin, Add	1,687.95	
For Epoxy Resin, Add	198.94	
For Up To >10, Add	1,740.37	
For >10 To 25, Add	1,048.42	
For >25 To 50, Add	749.62	
For >50 To 100, Add	374.81	
For >500 To 1,000, Deduct	-133.94	
For >1,000 To 2,000, Deduct	-203.13	
For >2,000 To 5,000, Deduct	-333.92	
For >5,000, Deduct	-553.56	
33 01 30 72-0288 LF 37.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,777.88	
For Vinlyester Resin, Add	1,810.68	
For Epoxy Resin, Add	213.40	
For Up To >10, Add	1,866.94	
For >10 To 25, Add	1,124.67	
For >25 To 50, Add	804.14	
For >50 To 100, Add	402.07	
For >500 To 1,000, Deduct	-143.67	
For >1,000 To 2,000, Deduct	-217.90	
For >2,000 To 5,000, Deduct	-358.20	
For >5,000, Deduct	-593.82	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 72-0289	LF		37.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	2,966.04	
			For Vinylster Resin, Add	1,933.40	
			For Epoxy Resin, Add	227.87	
			For Up To >10, Add	1,993.12	
			For >10 To 25, Add	1,200.60	
			For >25 To 50, Add	858.46	
			For >50 To 100, Add	429.23	
			For >500 To 1,000, Deduct	-153.40	
			For >1,000 To 2,000, Deduct	-232.66	
			For >2,000 To 5,000, Deduct	-382.45	
			For >5,000, Deduct	-634.02	
33 01 30 72-0290	LF		37.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	3,154.33	
			For Vinylster Resin, Add	2,056.12	
			For Epoxy Resin, Add	242.33	
			For Up To >10, Add	2,119.69	
			For >10 To 25, Add	1,276.86	
			For >25 To 50, Add	912.98	
			For >50 To 100, Add	456.49	
			For >500 To 1,000, Deduct	-163.14	
			For >1,000 To 2,000, Deduct	-247.43	
			For >2,000 To 5,000, Deduct	-406.73	
			For >5,000, Deduct	-674.27	
33 01 30 72-0291	LF		37.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	3,342.62	
			For Vinylster Resin, Add	2,178.85	
			For Epoxy Resin, Add	256.79	
			For Up To >10, Add	2,246.26	
			For >10 To 25, Add	1,353.11	
			For >25 To 50, Add	967.50	
			For >50 To 100, Add	483.75	
			For >500 To 1,000, Deduct	-172.88	
			For >1,000 To 2,000, Deduct	-262.20	
			For >2,000 To 5,000, Deduct	-431.01	
			For >5,000, Deduct	-714.52	

**33 01 30 72-0292 39mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)**

33 01 30 72-0293	LF		39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,119.77	
			For Vinylster Resin, Add	733.14	
			For Epoxy Resin, Add	86.41	
			For Up To >10, Add	740.96	
			For >10 To 25, Add	442.91	
			For >25 To 50, Add	318.11	
			For >50 To 100, Add	159.06	
			For >500 To 1,000, Deduct	-57.80	
			For >1,000 To 2,000, Deduct	-87.60	
			For >2,000 To 5,000, Deduct	-143.79	
			For >5,000, Deduct	-238.44	
33 01 30 72-0294	LF		39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,314.69	
			For Vinylster Resin, Add	860.78	
			For Epoxy Resin, Add	101.45	
			For Up To >10, Add	869.87	
			For >10 To 25, Add	519.95	
			For >25 To 50, Add	373.45	
			For >50 To 100, Add	186.73	
			For >500 To 1,000, Deduct	-67.86	
			For >1,000 To 2,000, Deduct	-102.85	
			For >2,000 To 5,000, Deduct	-168.81	
			For >5,000, Deduct	-279.94	
33 01 30 72-0295	LF		39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,509.60	
			For Vinylster Resin, Add	988.41	
			For Epoxy Resin, Add	116.49	
			For Up To >10, Add	998.78	
			For >10 To 25, Add	596.98	
			For >25 To 50, Add	428.79	
			For >50 To 100, Add	214.39	
			For >500 To 1,000, Deduct	-77.92	
			For >1,000 To 2,000, Deduct	-118.10	
			For >2,000 To 5,000, Deduct	-193.84	
			For >5,000, Deduct	-321.44	
33 01 30 72-0296	LF		39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,704.52	
			For Vinylster Resin, Add	1,116.04	
			For Epoxy Resin, Add	131.53	
			For Up To >10, Add	1,127.71	
			For >10 To 25, Add	674.04	
			For >25 To 50, Add	484.14	
			For >50 To 100, Add	242.07	
			For >500 To 1,000, Deduct	-87.98	
			For >1,000 To 2,000, Deduct	-133.35	
			For >2,000 To 5,000, Deduct	-218.87	
			For >5,000, Deduct	-362.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0297 LF 39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,899.57	
For Vinlyester Resin, Add	1,243.68	
For Epoxy Resin, Add	146.58	
For Up To >10, Add	1,257.01	
For >10 To 25, Add	751.40	
For >25 To 50, Add	539.67	
For >50 To 100, Add	269.84	
For >500 To 1,000, Deduct	-98.05	
For >1,000 To 2,000, Deduct	-148.61	
For >2,000 To 5,000, Deduct	-243.92	
For >5,000, Deduct	-404.49	
33 01 30 72-0298 LF 39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,101.17	
For Vinlyester Resin, Add	1,371.31	
For Epoxy Resin, Add	161.62	
For Up To >10, Add	1,405.96	
For >10 To 25, Add	845.13	
For >25 To 50, Add	605.03	
For >50 To 100, Add	302.51	
For >500 To 1,000, Deduct	-108.61	
For >1,000 To 2,000, Deduct	-164.70	
For >2,000 To 5,000, Deduct	-270.62	
For >5,000, Deduct	-448.66	
33 01 30 72-0299 LF 39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,296.72	
For Vinlyester Resin, Add	1,498.95	
For Epoxy Resin, Add	176.66	
For Up To >10, Add	1,536.79	
For >10 To 25, Add	923.76	
For >25 To 50, Add	661.33	
For >50 To 100, Add	330.66	
For >500 To 1,000, Deduct	-118.72	
For >1,000 To 2,000, Deduct	-180.02	
For >2,000 To 5,000, Deduct	-295.80	
For >5,000, Deduct	-490.42	
33 01 30 72-0300 LF 39mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,492.28	
For Vinlyester Resin, Add	1,626.58	
For Epoxy Resin, Add	191.70	
For Up To >10, Add	1,667.64	
For >10 To 25, Add	1,002.42	
For >25 To 50, Add	717.64	
For >50 To 100, Add	358.82	
For >500 To 1,000, Deduct	-128.83	
For >1,000 To 2,000, Deduct	-195.35	
For >2,000 To 5,000, Deduct	-320.99	
For >5,000, Deduct	-532.18	
33 01 30 72-0301 LF 39mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,687.97	
For Vinlyester Resin, Add	1,754.21	
For Epoxy Resin, Add	206.75	
For Up To >10, Add	1,798.86	
For >10 To 25, Add	1,081.38	
For >25 To 50, Add	774.13	
For >50 To 100, Add	387.06	
For >500 To 1,000, Deduct	-138.95	
For >1,000 To 2,000, Deduct	-210.70	
For >2,000 To 5,000, Deduct	-346.21	
For >5,000, Deduct	-573.98	
33 01 30 72-0302 LF 39mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,883.54	
For Vinlyester Resin, Add	1,881.85	
For Epoxy Resin, Add	221.79	
For Up To >10, Add	1,929.75	
For >10 To 25, Add	1,160.06	
For >25 To 50, Add	830.46	
For >50 To 100, Add	415.23	
For >500 To 1,000, Deduct	-149.06	
For >1,000 To 2,000, Deduct	-226.03	
For >2,000 To 5,000, Deduct	-371.40	
For >5,000, Deduct	-615.75	
33 01 30 72-0303 LF 39mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,079.09	
For Vinlyester Resin, Add	2,009.48	
For Epoxy Resin, Add	236.83	
For Up To >10, Add	2,060.57	
For >10 To 25, Add	1,238.70	
For >25 To 50, Add	886.75	
For >50 To 100, Add	443.38	
For >500 To 1,000, Deduct	-159.16	
For >1,000 To 2,000, Deduct	-241.35	
For >2,000 To 5,000, Deduct	-396.58	
For >5,000, Deduct	-657.50	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 30 72-0304	LF 39mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,274.65	
	For Vinylester Resin, Add	2,137.11	
	For Epoxy Resin, Add	251.87	
	For Up To >10, Add	2,191.40	
	For >10 To 25, Add	1,317.33	
	For >25 To 50, Add	943.05	
	For >50 To 100, Add	471.52	
	For >500 To 1,000, Deduct	-169.27	
	For >1,000 To 2,000, Deduct	-256.68	
	For >2,000 To 5,000, Deduct	-421.77	
	For >5,000, Deduct	-699.26	
33 01 30 72-0305	LF 39mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,470.22	
	For Vinylester Resin, Add	2,264.75	
	For Epoxy Resin, Add	266.92	
	For Up To >10, Add	2,322.29	
	For >10 To 25, Add	1,396.01	
	For >25 To 50, Add	999.38	
	For >50 To 100, Add	499.69	
	For >500 To 1,000, Deduct	-179.38	
	For >1,000 To 2,000, Deduct	-272.01	
	For >2,000 To 5,000, Deduct	-446.96	
	For >5,000, Deduct	-741.02	
33 01 30 72-0306	LF 39mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,665.78	
	For Vinylester Resin, Add	2,392.38	
	For Epoxy Resin, Add	281.96	
	For Up To >10, Add	2,453.12	
	For >10 To 25, Add	1,474.65	
	For >25 To 50, Add	1,055.67	
	For >50 To 100, Add	527.84	
	For >500 To 1,000, Deduct	-189.49	
	For >1,000 To 2,000, Deduct	-287.34	
	For >2,000 To 5,000, Deduct	-472.15	
	For >5,000, Deduct	-782.77	
33 01 30 72-0307	LF 39mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,861.33	
	For Vinylester Resin, Add	2,520.01	
	For Epoxy Resin, Add	297.00	
	For Up To >10, Add	2,583.94	
	For >10 To 25, Add	1,553.28	
	For >25 To 50, Add	1,111.97	
	For >50 To 100, Add	555.98	
	For >500 To 1,000, Deduct	-199.60	
	For >1,000 To 2,000, Deduct	-302.67	
	For >2,000 To 5,000, Deduct	-497.33	
	For >5,000, Deduct	-824.53	
<b>33 01 30 72-0308</b>	<b>40.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0309	LF 40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,361.65	
	For Vinylester Resin, Add	892.58	
	For Epoxy Resin, Add	105.20	
	For Up To >10, Add	897.18	
	For >10 To 25, Add	535.13	
	For >25 To 50, Add	384.83	
	For >50 To 100, Add	192.42	
	For >500 To 1,000, Deduct	-70.25	
	For >1,000 To 2,000, Deduct	-106.45	
	For >2,000 To 5,000, Deduct	-174.65	
	For >5,000, Deduct	-289.64	
33 01 30 72-0310	LF 40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,563.85	
	For Vinylester Resin, Add	1,025.12	
	For Epoxy Resin, Add	120.82	
	For Up To >10, Add	1,030.40	
	For >10 To 25, Add	614.59	
	For >25 To 50, Add	441.98	
	For >50 To 100, Add	220.99	
	For >500 To 1,000, Deduct	-80.68	
	For >1,000 To 2,000, Deduct	-122.26	
	For >2,000 To 5,000, Deduct	-200.58	
	For >5,000, Deduct	-332.65	
33 01 30 72-0311	LF 40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,766.03	
	For Vinylester Resin, Add	1,157.66	
	For Epoxy Resin, Add	136.44	
	For Up To >10, Add	1,163.59	
	For >10 To 25, Add	694.03	
	For >25 To 50, Add	499.11	
	For >50 To 100, Add	249.55	
	For >500 To 1,000, Deduct	-91.11	
	For >1,000 To 2,000, Deduct	-138.06	
	For >2,000 To 5,000, Deduct	-226.51	
	For >5,000, Deduct	-375.65	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0312 LF 40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,968.23	
For Vinlyester Resin, Add	1,290.21	
For Epoxy Resin, Add	152.06	
For Up To >10, Add	1,296.82	
For >10 To 25, Add	773.49	
For >25 To 50, Add	556.25	
For >50 To 100, Add	278.13	
For >500 To 1,000, Deduct	-101.54	
For >1,000 To 2,000, Deduct	-153.87	
For >2,000 To 5,000, Deduct	-252.45	
For >5,000, Deduct	-418.66	
33 01 30 72-0313 LF 40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,177.34	
For Vinlyester Resin, Add	1,422.75	
For Epoxy Resin, Add	167.68	
For Up To >10, Add	1,450.77	
For >10 To 25, Add	870.23	
For >25 To 50, Add	623.76	
For >50 To 100, Add	311.88	
For >500 To 1,000, Deduct	-112.49	
For >1,000 To 2,000, Deduct	-170.54	
For >2,000 To 5,000, Deduct	-280.11	
For >5,000, Deduct	-464.44	
33 01 30 72-0314 LF 40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,380.17	
For Vinlyester Resin, Add	1,555.29	
For Epoxy Resin, Add	183.30	
For Up To >10, Add	1,585.91	
For >10 To 25, Add	951.29	
For >25 To 50, Add	681.86	
For >50 To 100, Add	340.93	
For >500 To 1,000, Deduct	-122.97	
For >1,000 To 2,000, Deduct	-186.43	
For >2,000 To 5,000, Deduct	-306.20	
For >5,000, Deduct	-507.70	
33 01 30 72-0315 LF 40.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,583.00	
For Vinlyester Resin, Add	1,687.83	
For Epoxy Resin, Add	198.92	
For Up To >10, Add	1,721.03	
For >10 To 25, Add	1,032.32	
For >25 To 50, Add	739.95	
For >50 To 100, Add	369.98	
For >500 To 1,000, Deduct	-133.45	
For >1,000 To 2,000, Deduct	-202.32	
For >2,000 To 5,000, Deduct	-332.30	
For >5,000, Deduct	-550.96	
33 01 30 72-0316 LF 40.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,785.84	
For Vinlyester Resin, Add	1,820.38	
For Epoxy Resin, Add	214.54	
For Up To >10, Add	1,856.17	
For >10 To 25, Add	1,113.39	
For >25 To 50, Add	798.06	
For >50 To 100, Add	399.03	
For >500 To 1,000, Deduct	-143.92	
For >1,000 To 2,000, Deduct	-218.20	
For >2,000 To 5,000, Deduct	-358.39	
For >5,000, Deduct	-594.23	
33 01 30 72-0317 LF 40.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,988.65	
For Vinlyester Resin, Add	1,952.92	
For Epoxy Resin, Add	230.17	
For Up To >10, Add	1,991.25	
For >10 To 25, Add	1,194.40	
For >25 To 50, Add	856.13	
For >50 To 100, Add	428.07	
For >500 To 1,000, Deduct	-154.40	
For >1,000 To 2,000, Deduct	-234.09	
For >2,000 To 5,000, Deduct	-384.48	
For >5,000, Deduct	-637.48	
33 01 30 72-0318 LF 40.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,191.49	
For Vinlyester Resin, Add	2,085.46	
For Epoxy Resin, Add	245.79	
For Up To >10, Add	2,126.40	
For >10 To 25, Add	1,275.46	
For >25 To 50, Add	914.24	
For >50 To 100, Add	457.12	
For >500 To 1,000, Deduct	-164.88	
For >1,000 To 2,000, Deduct	-249.97	
For >2,000 To 5,000, Deduct	-410.57	
For >5,000, Deduct	-680.75	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 30 72-0319	LF 40.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	3,394.33	
	For Vinlyester Resin, Add	2,218.01	
	For Epoxy Resin, Add	261.41	
	For Up To >10, Add	2,261.54	
	For >10 To 25, Add	1,356.52	
	For >25 To 50, Add	972.34	
	For >50 To 100, Add	486.17	
	For >500 To 1,000, Deduct	-175.36	
	For >1,000 To 2,000, Deduct	-265.86	
	For >2,000 To 5,000, Deduct	-436.67	
	For >5,000, Deduct	-724.02	
33 01 30 72-0320	LF 40.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	3,597.15	
	For Vinlyester Resin, Add	2,350.54	
	For Epoxy Resin, Add	277.03	
	For Up To >10, Add	2,396.65	
	For >10 To 25, Add	1,437.56	
	For >25 To 50, Add	1,030.43	
	For >50 To 100, Add	515.21	
	For >500 To 1,000, Deduct	-185.84	
	For >1,000 To 2,000, Deduct	-281.75	
	For >2,000 To 5,000, Deduct	-462.76	
	For >5,000, Deduct	-767.28	
33 01 30 72-0321	LF 40.5mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	3,799.98	
	For Vinlyester Resin, Add	2,483.09	
	For Epoxy Resin, Add	292.65	
	For Up To >10, Add	2,531.77	
	For >10 To 25, Add	1,518.59	
	For >25 To 50, Add	1,088.52	
	For >50 To 100, Add	544.26	
	For >500 To 1,000, Deduct	-196.32	
	For >1,000 To 2,000, Deduct	-297.63	
	For >2,000 To 5,000, Deduct	-488.85	
	For >5,000, Deduct	-810.54	
33 01 30 72-0322	LF 40.5mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	4,002.81	
	For Vinlyester Resin, Add	2,615.63	
	For Epoxy Resin, Add	308.27	
	For Up To >10, Add	2,666.88	
	For >10 To 25, Add	1,599.63	
	For >25 To 50, Add	1,146.61	
	For >50 To 100, Add	573.30	
	For >500 To 1,000, Deduct	-206.80	
	For >1,000 To 2,000, Deduct	-313.52	
	For >2,000 To 5,000, Deduct	-514.94	
	For >5,000, Deduct	-853.80	
<b>33 01 30 72-0323</b>	<b>42mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small> .....	<b>1,617.82</b>	
33 01 30 72-0324	LF 42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,617.82	
	For Vinlyester Resin, Add	1,061.73	
	For Epoxy Resin, Add	125.13	
	For Up To >10, Add	1,061.56	
	For >10 To 25, Add	631.84	
	For >25 To 50, Add	454.94	
	For >50 To 100, Add	227.47	
	For >500 To 1,000, Deduct	-83.42	
	For >1,000 To 2,000, Deduct	-126.39	
	For >2,000 To 5,000, Deduct	-207.28	
	For >5,000, Deduct	-343.78	
33 01 30 72-0325	LF 42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,827.28	
	For Vinlyester Resin, Add	1,199.18	
	For Epoxy Resin, Add	141.33	
	For Up To >10, Add	1,199.04	
	For >10 To 25, Add	713.68	
	For >25 To 50, Add	513.86	
	For >50 To 100, Add	256.93	
	For >500 To 1,000, Deduct	-94.22	
	For >1,000 To 2,000, Deduct	-142.75	
	For >2,000 To 5,000, Deduct	-234.11	
	For >5,000, Deduct	-388.29	
33 01 30 72-0326	LF 42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	2,036.73	
	For Vinlyester Resin, Add	1,336.64	
	For Epoxy Resin, Add	157.53	
	For Up To >10, Add	1,336.49	
	For >10 To 25, Add	795.50	
	For >25 To 50, Add	572.77	
	For >50 To 100, Add	286.39	
	For >500 To 1,000, Deduct	-105.02	
	For >1,000 To 2,000, Deduct	-159.12	
	For >2,000 To 5,000, Deduct	-260.95	
	For >5,000, Deduct	-432.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0327 LF 42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,253.26	
For Vinlyester Resin, Add	1,474.09	
For Epoxy Resin, Add	173.73	
For Up To >10, Add	1,495.18	
For >10 To 25, Add	895.01	
For >25 To 50, Add	642.30	
For >50 To 100, Add	321.15	
For >500 To 1,000, Deduct	-116.35	
For >1,000 To 2,000, Deduct	-176.37	
For >2,000 To 5,000, Deduct	-289.56	
For >5,000, Deduct	-480.14	
33 01 30 72-0328 LF 42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,463.36	
For Vinlyester Resin, Add	1,611.54	
For Epoxy Resin, Add	189.93	
For Up To >10, Add	1,634.58	
For >10 To 25, Add	978.45	
For >25 To 50, Add	702.18	
For >50 To 100, Add	351.09	
For >500 To 1,000, Deduct	-127.20	
For >1,000 To 2,000, Deduct	-192.81	
For >2,000 To 5,000, Deduct	-316.55	
For >5,000, Deduct	-524.90	
33 01 30 72-0329 LF 42mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,673.46	
For Vinlyester Resin, Add	1,748.99	
For Epoxy Resin, Add	206.13	
For Up To >10, Add	1,773.98	
For >10 To 25, Add	1,061.89	
For >25 To 50, Add	762.06	
For >50 To 100, Add	381.03	
For >500 To 1,000, Deduct	-138.05	
For >1,000 To 2,000, Deduct	-209.25	
For >2,000 To 5,000, Deduct	-343.55	
For >5,000, Deduct	-569.67	
33 01 30 72-0330 LF 42mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,883.55	
For Vinlyester Resin, Add	1,886.44	
For Epoxy Resin, Add	222.33	
For Up To >10, Add	1,913.35	
For >10 To 25, Add	1,145.31	
For >25 To 50, Add	821.93	
For >50 To 100, Add	410.96	
For >500 To 1,000, Deduct	-148.89	
For >1,000 To 2,000, Deduct	-225.70	
For >2,000 To 5,000, Deduct	-370.55	
For >5,000, Deduct	-614.44	
33 01 30 72-0331 LF 42mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,093.65	
For Vinlyester Resin, Add	2,023.90	
For Epoxy Resin, Add	238.53	
For Up To >10, Add	2,052.75	
For >10 To 25, Add	1,228.75	
For >25 To 50, Add	881.81	
For >50 To 100, Add	440.91	
For >500 To 1,000, Deduct	-159.74	
For >1,000 To 2,000, Deduct	-242.14	
For >2,000 To 5,000, Deduct	-397.55	
For >5,000, Deduct	-659.20	
33 01 30 72-0332 LF 42mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,303.75	
For Vinlyester Resin, Add	2,161.35	
For Epoxy Resin, Add	254.73	
For Up To >10, Add	2,192.15	
For >10 To 25, Add	1,312.19	
For >25 To 50, Add	941.69	
For >50 To 100, Add	470.85	
For >500 To 1,000, Deduct	-170.59	
For >1,000 To 2,000, Deduct	-258.59	
For >2,000 To 5,000, Deduct	-424.54	
For >5,000, Deduct	-703.97	
33 01 30 72-0333 LF 42mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,513.85	
For Vinlyester Resin, Add	2,298.80	
For Epoxy Resin, Add	270.93	
For Up To >10, Add	2,331.55	
For >10 To 25, Add	1,395.63	
For >25 To 50, Add	1,001.58	
For >50 To 100, Add	500.79	
For >500 To 1,000, Deduct	-181.44	
For >1,000 To 2,000, Deduct	-275.03	
For >2,000 To 5,000, Deduct	-451.54	
For >5,000, Deduct	-748.74	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0334 LF 42mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	3,723.96	
For Vinlyester Resin, Add	2,436.25	
For Epoxy Resin, Add	287.13	
For Up To >10, Add	2,470.98	
For >10 To 25, Add	1,479.09	
For >25 To 50, Add	1,061.47	
For >50 To 100, Add	530.74	
For >500 To 1,000, Deduct	-192.29	
For >1,000 To 2,000, Deduct	-291.48	
For >2,000 To 5,000, Deduct	-478.54	
For >5,000, Deduct	-793.51	
33 01 30 72-0335 LF 42mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	3,934.06	
For Vinlyester Resin, Add	2,573.70	
For Epoxy Resin, Add	303.33	
For Up To >10, Add	2,610.38	
For >10 To 25, Add	1,562.53	
For >25 To 50, Add	1,121.35	
For >50 To 100, Add	560.68	
For >500 To 1,000, Deduct	-203.14	
For >1,000 To 2,000, Deduct	-307.92	
For >2,000 To 5,000, Deduct	-505.54	
For >5,000, Deduct	-838.28	
33 01 30 72-0336 LF 42mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	4,144.15	
For Vinlyester Resin, Add	2,711.16	
For Epoxy Resin, Add	319.53	
For Up To >10, Add	2,749.75	
For >10 To 25, Add	1,645.95	
For >25 To 50, Add	1,181.22	
For >50 To 100, Add	590.61	
For >500 To 1,000, Deduct	-213.98	
For >1,000 To 2,000, Deduct	-324.36	
For >2,000 To 5,000, Deduct	-532.54	
For >5,000, Deduct	-883.04	
<b>33 01 30 74 Cured-in-Place Lateral Lining (33 01 30)</b>		
33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement (33 01 30 74)		
33 01 30 74-0002 Lateral Reinstatement/Reconnection (33 01 30 74-0001)		
33 01 30 74-0003 EA Cut Liner For Laterals, Up To 4" (Robotic) .....	525.70	
33 01 30 74-0004 EA Cut Liner For Laterals, 6" (Robotic) .....	568.33	
33 01 30 74-0005 EA Cut Liner For Laterals, 8" (Robotic) .....	603.85	
33 01 30 74-0006 EA Cut Liner For Laterals, 10" (Robotic) .....	639.36	
33 01 30 74-0007 EA Cut Liner For Laterals, 12" (Robotic) .....	674.89	
33 01 30 74-0008 Grout Lateral Service (33 01 30 74-0001)		
33 01 30 74-0009 Grout Lateral Service - Bladder (33 01 30 74-0008)		
33 01 30 74-0010 EA Grout Up To 4" Lateral Service - Bladder .....	554.66	
33 01 30 74-0011 EA Grout 6" Lateral Service - Bladder .....	636.53	
33 01 30 74-0012 EA Grout 8" Lateral Service - Bladder .....	718.40	
33 01 30 74-0013 Grout Lateral Service - Robotic Trowel Application (33 01 30 74-0008)		
33 01 30 74-0014 EA Grout 3" To 6" Lateral Service - Robotic Trowel Application .....	603.96	
33 01 30 74-0015 EA Grout 8" To 12" Lateral Service - Robotic Trowel Application .....	653.25	
33 01 30 74-0016 Lateral T-Liner (33 01 30 74-0001)		
Note: As manufactured by LMK.		
33 01 30 74-0017 EA Up To 4" Lateral T-Liner .....	743.74	
33 01 30 74-0018 EA 6" Lateral T-Liner .....	833.48	
33 01 30 74-0019 EA 8" Lateral T-Liner .....	968.66	
33 01 30 74-0020 Lining Lateral Pipe (33 01 30 74-0001)		
33 01 30 74-0021 Lining Lateral Pipe (33 01 30 74-0020)		
33 01 30 74-0022 LF 6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP) .....	33.14	
For 7.5mm, Add	3.06	
For 9 mm, Add	6.06	
33 01 30 74-0023 LF 6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP) .....	38.79	
For 7.5mm, Add	4.17	
For 9 mm, Add	8.26	
33 01 30 74-0024 LF 6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP) .....	49.10	
For 7.5mm, Add	6.39	
For 9 mm, Add	12.64	
33 01 30 74-0025 Lining Manhole Drop (33 01 30 74-0020)		
33 01 30 74-0026 EA Manhole Drop Section Lining .....	810.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 01 30 79 Fold-and-Form Pipe Lining</b> <small>(33 01 30)</small>		
<b>33 01 30 79-0001 Form and Fold Relining Underground Pipelines</b> <small>(33 01 30 79)</small>		
<small>Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.</small>		
<b>33 01 30 79-0002 Fold-And-Form Relining Underground Pipelines Set-Up And Reinsertion</b> <small>(33 01 30 79-0001)</small>		
33 01 30 79-0003 EA Initial Set Up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines.....	5,136.38	
33 01 30 79-0004 EA Move And Reset Up At Different Access/Location For Fold-And-Form Relining Underground Pipelines.....	2,054.55	
<b>33 01 30 79-0005 Form And Fold Polyethylene (PE) Pipeliner</b> <small>(33 01 30 79-0001)</small>		
33 01 30 79-0006 LF 4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	32.69	
For DR 26 Pipe Liner, Add	5.42	
For Up To 75, Add	20.84	
For >75 To 150, Add	10.42	
For >500 To 1,000, Deduct	-0.83	
For >1,000 To 2,000, Deduct	-1.65	
For >2,000, Deduct	-3.30	
33 01 30 79-0007 LF 6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	41.32	
For DR 26 Pipe Liner, Add	7.37	
For DR 35 Pipe Liner, Deduct	-3.68	
For Up To 75, Add	23.67	
For >75 To 150, Add	11.83	
For >500 To 1,000, Deduct	-0.89	
For >1,000 To 2,000, Deduct	-1.78	
For >2,000, Deduct	-3.56	
33 01 30 79-0008 LF 8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	42.86	
For DR 26 Pipe Liner, Add	7.51	
For DR 35 Pipe Liner, Deduct	-3.75	
For Up To 75, Add	25.26	
For >75 To 150, Add	12.63	
For >500 To 1,000, Deduct	-0.96	
For >1,000 To 2,000, Deduct	-1.93	
For >2,000, Deduct	-3.85	
33 01 30 79-0009 LF 10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	59.02	
For DR 26 Pipe Liner, Add	11.26	
For DR 35 Pipe Liner, Deduct	-5.63	
For DR 41 Pipe Liner, Deduct	-11.26	
For Up To 75, Add	30.00	
For >75 To 150, Add	15.00	
For >500 To 1,000, Deduct	-1.05	
For >1,000 To 2,000, Deduct	-2.10	
For >2,000, Deduct	-4.20	
33 01 30 79-0010 LF 12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	81.31	
For DR 26 Pipe Liner, Add	16.48	
For DR 35 Pipe Liner, Deduct	-8.24	
For DR 41 Pipe Liner, Deduct	-16.48	
For Up To 75, Add	36.30	
For >75 To 150, Add	18.15	
For >500 To 1,000, Deduct	-1.16	
For >1,000 To 2,000, Deduct	-2.31	
For >2,000, Deduct	-4.62	
33 01 30 79-0011 LF 15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	110.28	
For DR 35 Pipe Liner, Deduct	-11.60	
For DR 41 Pipe Liner, Deduct	-23.19	
For Up To 75, Add	44.82	
For >75 To 150, Add	22.41	
For >500 To 1,000, Deduct	-1.31	
For >1,000 To 2,000, Deduct	-2.63	
For >2,000, Deduct	-5.25	
33 01 30 79-0012 LF 18" Diameter Form and Fold Polyethylene Pipeliner, DR 35 .....	154.27	
For DR 41 Pipe Liner, Deduct	-13.45	
For DR 50 Pipe Liner, Deduct	-26.90	
For Up To 75, Add	56.53	
For >75 To 150, Add	28.26	
For >500 To 1,000, Deduct	-1.48	
For >1,000 To 2,000, Deduct	-2.96	
For >2,000, Deduct	-5.93	
33 01 30 79-0013 LF 21" Diameter Form and Fold Polyethylene Pipeliner, DR 47 .....	174.20	
For DR 50 Pipe Liner, Deduct	-22.92	
For DR 55 Pipe Liner, Deduct	-38.20	
For Up To 75, Add	62.66	
For >75 To 150, Add	31.33	
For >500 To 1,000, Deduct	-1.61	
For >1,000 To 2,000, Deduct	-3.21	
For >2,000, Deduct	-6.42	
33 01 30 79-0014 LF 24" Diameter Form and Fold Polyethylene Pipeliner, DR 55 .....	211.63	
For DR 60 Pipe Liner, Deduct	-28.24	
For Up To 75, Add	72.68	
For >75 To 150, Add	36.34	
For >500 To 1,000, Deduct	-1.75	
For >1,000 To 2,000, Deduct	-3.50	
For >2,000, Deduct	-7.01	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner</b> <small>(33 01 30 79-0001)</small>		
33 01 30 79-0016 LF 4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	34.74	
For Up To 75, Add	21.25	
For >75 To 150, Add	10.62	
For >500 To 1,000, Deduct	-0.83	
For >1,000 To 2,000, Deduct	-1.65	
For >2,000, Deduct	-3.30	
For DR 26 Pipe Liner, Add	5.94	
33 01 30 79-0017 LF 6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	41.32	
For Up To 75, Add	23.67	
For >75 To 150, Add	11.83	
For >500 To 1,000, Deduct	-0.89	
For >1,000 To 2,000, Deduct	-1.78	
For >2,000, Deduct	-3.56	
For DR 26 Pipe Liner, Add	7.37	
For DR 35 Pipe Liner, Deduct	-3.68	
33 01 30 79-0018 LF 8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	45.58	
For Up To 75, Add	25.81	
For >75 To 150, Add	12.90	
For >500 To 1,000, Deduct	-0.96	
For >1,000 To 2,000, Deduct	-1.93	
For >2,000, Deduct	-3.85	
For DR 26 Pipe Liner, Add	8.19	
For DR 35 Pipe Liner, Deduct	-4.09	
33 01 30 79-0019 LF 10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	63.12	
For Up To 75, Add	30.82	
For >75 To 150, Add	15.41	
For >500 To 1,000, Deduct	-1.05	
For >1,000 To 2,000, Deduct	-2.10	
For >2,000, Deduct	-4.20	
For DR 26 Pipe Liner, Add	12.28	
For DR 35 Pipe Liner, Deduct	-6.14	
For DR 41 Pipe Liner, Deduct	-12.28	
33 01 30 79-0020 LF 12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	87.45	
For Up To 75, Add	37.52	
For >75 To 150, Add	18.76	
For >500 To 1,000, Deduct	-1.16	
For >1,000 To 2,000, Deduct	-2.31	
For >2,000, Deduct	-4.62	
For DR 26 Pipe Liner, Add	18.01	
For DR 35 Pipe Liner, Deduct	-9.01	
For DR 41 Pipe Liner, Deduct	-18.01	
33 01 30 79-0021 LF 15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	119.02	
For Up To 75, Add	46.57	
For >75 To 150, Add	23.28	
For >500 To 1,000, Deduct	-1.31	
For >1,000 To 2,000, Deduct	-2.63	
For >2,000, Deduct	-5.25	
For DR 35 Pipe Liner, Deduct	-12.69	
For DR 41 Pipe Liner, Deduct	-25.38	
33 01 30 79-0022 LF 18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	167.10	
For Up To 75, Add	59.10	
For >75 To 150, Add	29.55	
For >500 To 1,000, Deduct	-1.48	
For >1,000 To 2,000, Deduct	-2.96	
For >2,000, Deduct	-5.93	
For DR 41 Pipe Liner, Deduct	-14.74	
For DR 50 Pipe Liner, Deduct	-29.47	
33 01 30 79-0023 LF 21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	188.39	
For Up To 75, Add	65.50	
For >75 To 150, Add	32.75	
For >500 To 1,000, Deduct	-1.61	
For >1,000 To 2,000, Deduct	-3.21	
For >2,000, Deduct	-6.42	
For DR 50 Pipe Liner, Deduct	-25.05	
For DR 55 Pipe Liner, Deduct	-41.75	
33 01 30 79-0024 LF 24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	229.64	
For Up To 75, Add	76.28	
For >75 To 150, Add	38.14	
For >500 To 1,000, Deduct	-1.75	
For >1,000 To 2,000, Deduct	-3.50	
For >2,000, Deduct	-7.01	
For DR 60 Pipe Liner, Deduct	-30.94	

**33 01 30 81 Manhole Rehabilitation** (33 01 30)**33 01 30 81-0001 Restoration And Rehabilitation Of Manholes** (33 01 30 81)

Note: Work is in confined spaces.

**33 01 30 81-0002 Inspection And Ventilation System Set-up** (33 01 30 81-0001)

33 01 30 81-0003 EA Inspect Manhole.....	172.48	
33 01 30 81-0004 EA 36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System .....	13,725.72	
Note: For internal inspection and repair of water mains.		
33 01 30 81-0005 EA >60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System .....	19,460.97	
Note: For internal inspection and repair of water mains		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 01 30 81-0006</b> Manhole Seals <small>(33 01 30 81-0001)</small>		
<b>33 01 30 81-0007</b> Internal Manhole Chimney Seals <small>(33 01 30 81-0006)</small>		
Note: Cretex.		
33 01 30 81-0008 EA 20" Internal Manhole Chimney Seal.....	529.35	
33 01 30 81-0009 EA 22" Internal Manhole Chimney Seal.....	557.96	
33 01 30 81-0010 EA 24" Internal Manhole Chimney Seal.....	572.28	
33 01 30 81-0011 EA 26" Internal Manhole Chimney Seal.....	658.11	
33 01 30 81-0012 EA 28" Internal Manhole Chimney Seal.....	743.95	
33 01 30 81-0013 EA 30" Internal Manhole Chimney Seal.....	829.80	
33 01 30 81-0014 EA 36" Internal Manhole Chimney Seal.....	1,001.47	
<b>33 01 30 81-0015</b> External Manhole Encapsulation <small>(33 01 30 81-0006)</small>		
Note: Wrapidseal.		
33 01 30 81-0016 EA 24" External Manhole Encapsulation.....	772.56	
33 01 30 81-0017 EA 30" External Manhole Encapsulation.....	815.49	
33 01 30 81-0018 EA 36" External Manhole Encapsulation.....	872.72	
33 01 30 81-0019 EA 42" External Manhole Encapsulation.....	944.25	
33 01 30 81-0020 EA 48" External Manhole Encapsulation.....	1,044.40	
33 01 30 81-0021 EA 54" External Manhole Encapsulation.....	1,158.85	
33 01 30 81-0022 EA 60" External Manhole Encapsulation.....	1,301.92	
<b>33 01 30 81-0023</b> Manhole Crack Repair <small>(33 01 30 81-0001)</small>		
Note: Includes removing loose materials and cleaning.		
33 01 30 81-0024 LF Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair.....	51.73	
33 01 30 81-0025 LF >1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair.....	69.70	
33 01 30 81-0026 LF Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair.....	48.74	
33 01 30 81-0027 LF >1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair.....	66.13	
<b>33 01 30 81-0028</b> Manhole Patching <small>(33 01 30 81-0001)</small>		
Note: Includes removing loose materials and cleaning.		
33 01 30 81-0029 SF Up To 1/4" Thick, Cementitious Grout, Manhole Patching.....	16.48	
33 01 30 81-0030 SF Up To 1/4" Thick, Epoxy Grout, Manhole Patching.....	39.03	
<b>33 01 30 81-0031</b> Manhole Joint Restoration <small>(33 01 30 81-0001)</small>		
Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 81-0032 EA 3' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,231.61	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add		223.15
33 01 30 81-0033 EA 3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,605.13	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add		247.84
33 01 30 81-0034 EA 4' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,975.48	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add		272.53
33 01 30 81-0035 EA 5' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	3,535.75	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add		284.88
33 01 30 81-0036 EA 6' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	4,094.43	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add		297.23
<b>33 01 30 81-0037</b> Step Installation In Existing Manholes <small>(33 01 30 81-0001)</small>		
Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0038 EA Drill And Grout 8" x 9" Cast Iron Manhole Steps.....	156.10	20.32
33 01 30 81-0039 EA Drill And Grout Galvanized Steel Manhole Step.....	112.12	20.32
33 01 30 81-0040 EA Bolt On Galvanized Steel Manhole Step.....	130.52	20.32
33 01 30 81-0041 EA Drill And Grout Aluminum Manhole Step.....	116.33	20.32
33 01 30 81-0042 EA Drill And Insert Polypropylene Manhole Step.....	64.02	16.26
<b>33 01 30 81-0043</b> Invert Restoration <small>(33 01 30 81-0001)</small>		
Note: Includes removal of existing defective material and installation of new material.		
<b>33 01 30 81-0044</b> Concrete Invert Restoration <small>(33 01 30 81-0043)</small>		
33 01 30 81-0045 EA 2' Diameter, Concrete Invert Restoration.....	333.38	
33 01 30 81-0046 EA 3' Diameter, Concrete Invert Restoration.....	376.50	
33 01 30 81-0047 EA 4' Diameter, Concrete Invert Restoration.....	419.62	
33 01 30 81-0048 EA 5' Diameter, Concrete Invert Restoration.....	462.74	
33 01 30 81-0049 EA 6' Diameter, Concrete Invert Restoration.....	592.10	
33 01 30 81-0050 SF Square Or Rectangular, Concrete Invert Restoration.....	33.36	
<b>33 01 30 81-0051</b> Brick Invert Restoration <small>(33 01 30 81-0043)</small>		
33 01 30 81-0052 EA 2' Diameter, Brick Invert Restoration.....	540.27	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 81-0053	EA	3' Diameter, Brick Invert Restoration .....	583.39
33 01 30 81-0054	EA	4' Diameter, Brick Invert Restoration .....	626.51
33 01 30 81-0055	EA	5' Diameter, Brick Invert Restoration .....	669.63
33 01 30 81-0056	EA	6' Diameter, Brick Invert Restoration .....	712.74
33 01 30 81-0057	SF	Square Or Rectangular, Brick Invert Restoration .....	47.10

**33 01 30 81-0058 Repair In-Kind Of Drainage Structures** (33 01 30 81)

Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.

33 01 30 81-0059	VLF	2' Diameter, Repair In-Kind Drainage Structure .....	767.14
33 01 30 81-0060	VLF	3' Diameter, Repair In-Kind Drainage Structure .....	1,150.72
33 01 30 81-0061	VLF	4' Diameter, Repair In-Kind Drainage Structure .....	1,534.40
33 01 30 81-0062	VLF	5' Diameter, Repair In-Kind Drainage Structure .....	1,917.87
33 01 30 81-0063	VLF	6' Diameter, Repair In-Kind Drainage Structure .....	2,301.45
33 01 30 81-0064	VLF	2' x 2', Repair In-Kind Drainage Structure .....	977.26
33 01 30 81-0065	VLF	2' x 3', Repair In-Kind Drainage Structure .....	1,221.57
33 01 30 81-0066	VLF	2' x 4', Repair In-Kind Drainage Structure .....	1,465.89
33 01 30 81-0067	VLF	3' x 4', Repair In-Kind Drainage Structure .....	1,710.20
33 01 30 81-0068	VLF	4' x 4', Repair In-Kind Drainage Structure .....	1,954.52
33 01 30 81-0069	VLF	4' x 5', Repair In-Kind Drainage Structure .....	2,198.83
33 01 30 81-0070	VLF	4' x 6', Repair In-Kind Drainage Structure .....	2,443.15
33 01 30 81-0071	VLF	4' x 8', Repair In-Kind Drainage Structure .....	2,931.78
33 01 30 81-0072	VLF	>32 GSF, Repair In-Kind Drainage Structure .....	3,420.41

**33 01 30 82 Epoxy Lining for Concrete Manholes** (33 01 30)**33 01 30 82-0001 Epoxy Manhole Restoration, Interior** (33 01 30 82)

33 01 30 82-0002	VLF	60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior .....	334.65
		<i>For 80 Mil Material, Add</i>	39.79
		<i>For 100 Mil Material, Add</i>	79.57
		<i>For 125 Mil Material, Add</i>	124.10
		<i>For 150 Mil Material, Add</i>	168.63
		<i>For 200 Mil Material, Add</i>	243.79
		<i>For 2 To 5 Manholes, Deduct</i>	-23.68
		<i>For 6 To 10 Manholes, Deduct</i>	-38.99
		<i>For &gt;10 Manholes, Deduct</i>	-77.98
33 01 30 82-0003	VLF	60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior .....	405.90
		<i>For 80 Mil Material, Add</i>	47.59
		<i>For 100 Mil Material, Add</i>	95.19
		<i>For 125 Mil Material, Add</i>	148.31
		<i>For 150 Mil Material, Add</i>	201.44
		<i>For 200 Mil Material, Add</i>	290.71
		<i>For 2 To 5 Manholes, Deduct</i>	-28.78
		<i>For 6 To 10 Manholes, Deduct</i>	-47.42
		<i>For &gt;10 Manholes, Deduct</i>	-94.84
33 01 30 82-0004	VLF	60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior .....	446.19
		<i>For 80 Mil Material, Add</i>	53.05
		<i>For 100 Mil Material, Add</i>	106.10
		<i>For 125 Mil Material, Add</i>	165.46
		<i>For 150 Mil Material, Add</i>	224.83
		<i>For 200 Mil Material, Add</i>	325.04
		<i>For 2 To 5 Manholes, Deduct</i>	-31.57
		<i>For 6 To 10 Manholes, Deduct</i>	-51.98
		<i>For &gt;10 Manholes, Deduct</i>	-103.97
33 01 30 82-0005	VLF	60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior .....	557.79
		<i>For 80 Mil Material, Add</i>	66.33
		<i>For 100 Mil Material, Add</i>	132.66
		<i>For 125 Mil Material, Add</i>	206.89
		<i>For 150 Mil Material, Add</i>	281.12
		<i>For 200 Mil Material, Add</i>	406.43
		<i>For 2 To 5 Manholes, Deduct</i>	-39.46
		<i>For 6 To 10 Manholes, Deduct</i>	-64.98
		<i>For &gt;10 Manholes, Deduct</i>	-129.97
33 01 30 82-0006	VLF	60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior .....	669.33
		<i>For 80 Mil Material, Add</i>	79.59
		<i>For 100 Mil Material, Add</i>	159.18
		<i>For 125 Mil Material, Add</i>	248.25
		<i>For 150 Mil Material, Add</i>	337.32
		<i>For 200 Mil Material, Add</i>	487.69
		<i>For 2 To 5 Manholes, Deduct</i>	-47.36
		<i>For 6 To 10 Manholes, Deduct</i>	-77.98
		<i>For &gt;10 Manholes, Deduct</i>	-155.96

**33 01 30 83 Lining for Concrete Manholes** (33 01 30)**33 01 30 83-0001 Manhole Lining** (33 01 30 83)

Note: Includes power washing and cleaning of manhole interiors.

**33 01 30 83-0002 Cementitious Manhole Restoration, Interior** (33 01 30 83-0001)





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0003 VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior.....	139.99	
<i>For Each Additional 1/2" Thick Material, Add</i>	32.17	
<i>For 2 To 5 Manholes, Deduct</i>	-9.93	
<i>For 6 To 10 Manholes, Deduct</i>	-16.36	
<i>For &gt;10 Manholes, Deduct</i>	-32.73	
33 01 30 83-0004 VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior .....	162.30	
<i>For Each Additional 1/2" Thick Material, Add</i>	37.43	
<i>For 2 To 5 Manholes, Deduct</i>	-11.51	
<i>For 6 To 10 Manholes, Deduct</i>	-18.96	
<i>For &gt;10 Manholes, Deduct</i>	-37.93	
33 01 30 83-0005 VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior.....	184.62	
<i>For Each Additional 1/2" Thick Material, Add</i>	42.69	
<i>For 2 To 5 Manholes, Deduct</i>	-13.09	
<i>For 6 To 10 Manholes, Deduct</i>	-21.56	
<i>For &gt;10 Manholes, Deduct</i>	-43.13	
33 01 30 83-0006 VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior.....	217.06	
<i>For Each Additional 1/2" Thick Material, Add</i>	52.14	
<i>For 2 To 5 Manholes, Deduct</i>	-15.33	
<i>For 6 To 10 Manholes, Deduct</i>	-25.23	
<i>For &gt;10 Manholes, Deduct</i>	-50.46	
33 01 30 83-0007 VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior.....	236.79	
<i>For Each Additional 1/2" Thick Material, Add</i>	60.02	
<i>For 2 To 5 Manholes, Deduct</i>	-16.62	
<i>For 6 To 10 Manholes, Deduct</i>	-27.33	
<i>For &gt;10 Manholes, Deduct</i>	-54.65	
<b>33 01 30 83-0008 Polyurethane Manhole Restoration, Interior</b> <small>(33 01 30 83-0001)</small>		
33 01 30 83-0009 VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior .....	297.64	
<i>For 80 Mil Material, Add</i>	27.45	
<i>For 100 Mil Material, Add</i>	54.90	
<i>For 125 Mil Material, Add</i>	84.01	
<i>For 150 Mil Material, Add</i>	113.11	
<i>For 200 Mil Material, Add</i>	157.43	
<i>For 2 To 5 Manholes, Deduct</i>	-21.83	
<i>For 6 To 10 Manholes, Deduct</i>	-36.21	
<i>For &gt;10 Manholes, Deduct</i>	-72.43	
33 01 30 83-0010 VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior.....	362.67	
<i>For 80 Mil Material, Add</i>	33.18	
<i>For 100 Mil Material, Add</i>	66.37	
<i>For 125 Mil Material, Add</i>	101.48	
<i>For 150 Mil Material, Add</i>	136.59	
<i>For 200 Mil Material, Add</i>	189.84	
<i>For 2 To 5 Manholes, Deduct</i>	-26.62	
<i>For 6 To 10 Manholes, Deduct</i>	-44.18	
<i>For &gt;10 Manholes, Deduct</i>	-88.35	
33 01 30 83-0011 VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior .....	396.85	
<i>For 80 Mil Material, Add</i>	36.60	
<i>For 100 Mil Material, Add</i>	73.20	
<i>For 125 Mil Material, Add</i>	112.01	
<i>For 150 Mil Material, Add</i>	150.82	
<i>For 200 Mil Material, Add</i>	209.92	
<i>For 2 To 5 Manholes, Deduct</i>	-29.10	
<i>For 6 To 10 Manholes, Deduct</i>	-48.28	
<i>For &gt;10 Manholes, Deduct</i>	-96.57	
33 01 30 83-0012 VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior .....	496.06	
<i>For 80 Mil Material, Add</i>	45.75	
<i>For 100 Mil Material, Add</i>	91.51	
<i>For 125 Mil Material, Add</i>	140.02	
<i>For 150 Mil Material, Add</i>	188.53	
<i>For 200 Mil Material, Add</i>	262.40	
<i>For 2 To 5 Manholes, Deduct</i>	-36.38	
<i>For 6 To 10 Manholes, Deduct</i>	-60.35	
<i>For &gt;10 Manholes, Deduct</i>	-120.71	
33 01 30 83-0013 VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior.....	595.26	
<i>For 80 Mil Material, Add</i>	54.90	
<i>For 100 Mil Material, Add</i>	109.80	
<i>For 125 Mil Material, Add</i>	168.01	
<i>For 150 Mil Material, Add</i>	226.22	
<i>For 200 Mil Material, Add</i>	314.86	
<i>For 2 To 5 Manholes, Deduct</i>	-43.65	
<i>For 6 To 10 Manholes, Deduct</i>	-72.42	
<i>For &gt;10 Manholes, Deduct</i>	-144.85	
<b>33 01 30 83-0014 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior</b> <small>(33 01 30 83-0001)</small>		
33 01 30 83-0015 VLF 3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	529.79	
<i>For 2 To 5 Manholes, Deduct</i>	-30.82	
<i>For 6 To 10 Manholes, Deduct</i>	-48.40	
<i>For &gt;10 Manholes, Deduct</i>	-96.80	
33 01 30 83-0016 VLF 3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	648.79	
<i>For 2 To 5 Manholes, Deduct</i>	-37.74	
<i>For 6 To 10 Manholes, Deduct</i>	-59.25	
<i>For &gt;10 Manholes, Deduct</i>	-118.51	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0017 VLF 4' Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	764.34	
For 2 To 5 Manholes, Deduct	-44.00	
For 6 To 10 Manholes, Deduct	-68.88	
For >10 Manholes, Deduct	-137.77	
33 01 30 83-0018 VLF 5' Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	958.52	
For 2 To 5 Manholes, Deduct	-55.15	
For 6 To 10 Manholes, Deduct	-86.34	
For >10 Manholes, Deduct	-172.67	
33 01 30 83-0019 VLF 6' Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	1,152.71	
For 2 To 5 Manholes, Deduct	-66.30	
For 6 To 10 Manholes, Deduct	-103.79	
For >10 Manholes, Deduct	-207.58	
<b>33 01 30 86 Manhole Rim Adjustment (33 01 30)</b>		
33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86)		
33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86-0001)		
33 01 30 86-0003 EA Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	337.62	
33 01 30 86-0004 EA >2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	379.27	
33 01 30 86-0005 EA >3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	417.21	
33 01 30 86-0006 EA >4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	460.16	
33 01 30 86-0007 EA >5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	495.23	
33 01 30 86-0008 Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser (33 01 30 86-0001)		
33 01 30 86-0009 EA Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	395.43	
33 01 30 86-0010 EA >2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	430.83	
33 01 30 86-0011 EA >3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	475.22	
33 01 30 86-0012 EA >4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	518.17	
33 01 30 86-0013 EA >5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	559.66	
33 01 30 86-0014 >6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers (33 01 30 86-0001)		
33 01 30 86-0015 EA >6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	552.78	
33 01 30 86-0016 EA 7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	600.93	
33 01 30 86-0017 EA 7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	649.90	
33 01 30 86-0018 EA 8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	689.13	
33 01 30 86-0019 EA 9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	748.55	
33 01 30 86-0020 EA 10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	802.71	
33 01 30 86-0021 EA 11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	855.85	
33 01 30 86-0022 EA 12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	910.18	
33 01 30 86-0023 >12" Rise, Solid Manhole Risers (33 01 30 86)		
33 01 30 86-0024 Precast Concrete Manhole Riser (33 01 30 86-0023)		
33 01 30 86-0025 VLF Up To 26" Diameter Precast Concrete Manhole Riser.....	96.31	
33 01 30 86-0026 VLF >26" To 36" Diameter Precast Concrete Manhole Riser.....	115.32	
33 01 30 86-0027 VLF >36" To 48" Diameter Precast Concrete Manhole Riser.....	176.27	
33 01 30 86-0028 VLF >48" To 60" Diameter Precast Concrete Manhole Riser.....	361.62	
33 01 30 86-0029 VLF >60" To 72" Diameter Precast Concrete Manhole Riser.....	529.33	
<b>33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems (33 01)</b>		
<b>33 01 34 13 Septic Tank Solids Removal (33 01 34)</b>		
33 01 34 13-0001 Pump Out Septic Tanks (33 01 34 13)		
33 01 34 13-0002 GAL Pump Out Septic Tank And Dispose.....	0.70	
<b>33 05 Common Work Results for Utilities (33)</b>		
<b>33 05 07 Trenchless Installation of Utility Piping (33 05)</b>		
<b>33 05 07 13 Utility Directional Drilling (33 05 07)</b>		
33 05 07 13-0001 Horizontal Augering (33 05 07 13)		
Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.		
33 05 07 13-0002 LF Up To 2" Diameter Horizontal Hand Augering.....	23.57	
33 05 07 13-0003 LF 3" Diameter Horizontal Hand Augering.....	28.45	
33 05 07 13-0004 LF 4" Diameter Horizontal Hand Augering.....	39.02	
33 05 07 13-0005 LF 6" Diameter Horizontal Hand Augering.....	50.40	
33 05 07 13-0006 LF 8" Diameter Horizontal Augering.....	94.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 13-0007 LF 10" Diameter Horizontal Augering.....	137.32	
33 05 07 13-0008 LF 12" Diameter Horizontal Augering.....	165.01	
33 05 07 13-0009 LF 16" Diameter Horizontal Augering.....	197.12	
33 05 07 13-0010 LF 20" Diameter Horizontal Augering.....	341.09	
33 05 07 13-0011 LF 24" Diameter Horizontal Augering.....	432.73	
33 05 07 13-0012 LF 30" Diameter Horizontal Augering.....	533.74	
33 05 07 13-0013 LF 36" Diameter Horizontal Augering.....	609.81	
33 05 07 13-0014 LF 42" Diameter Horizontal Augering.....	807.41	
33 05 07 13-0015 LF 48" Diameter Horizontal Augering.....	870.01	
33 05 07 13-0016 LF 54" Diameter Horizontal Augering.....	946.17	
33 05 07 13-0017 LF 60" Diameter Horizontal Augering.....	991.96	
33 05 07 13-0018 EA 8" To 20" Horizontal Augering Minimum Set-up Charge.....	3,986.80	
Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0019 EA >20" To 36" Horizontal Augering Minimum Set-up Charge.....	5,487.03	
Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0020 EA >36" Horizontal Augering Minimum Set-up Charge.....	8,242.51	
Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
<b>33 05 07 13-0021 Horizontal Directional Boring (33 05 07 13)</b>		
Note: Excludes receiving pits or dewatering or cost of casing pipe.		
33 05 07 13-0022 LF Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground.....	13.02	
<i>For Horizontal Boring Through Rock, Add</i>		
	9.11	
33 05 07 13-0023 LF 2" Diameter Directional Boring For Horizontal Pipe, Underground.....	19.53	
<i>For Horizontal Boring Through Rock, Add</i>		
	13.67	
33 05 07 13-0024 LF 2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground.....	27.13	
<i>For Horizontal Boring Through Rock, Add</i>		
	18.99	
33 05 07 13-0025 LF 3" Diameter Directional Boring For Horizontal Pipe, Underground.....	33.64	
<i>For Horizontal Boring Through Rock, Add</i>		
	23.55	
33 05 07 13-0026 LF 4" Diameter Directional Boring For Horizontal Pipe, Underground.....	40.15	
<i>For Horizontal Boring Through Rock, Add</i>		
	28.11	
33 05 07 13-0027 LF 5" Diameter Directional Boring For Horizontal Pipe, Underground.....	46.66	
<i>For Horizontal Boring Through Rock, Add</i>		
	32.66	
33 05 07 13-0028 LF 6" Diameter Directional Boring For Horizontal Pipe, Underground.....	54.26	
<i>For Horizontal Boring Through Rock, Add</i>		
	37.98	
33 05 07 13-0029 LF 8" Diameter Directional Boring For Horizontal Pipe, Underground.....	66.45	
<i>For Horizontal Boring Through Rock, Add</i>		
	46.52	
33 05 07 13-0030 LF 10" Diameter Directional Boring For Horizontal Pipe, Underground.....	71.98	
<i>For Horizontal Boring Through Rock, Add</i>		
	50.39	
33 05 07 13-0031 LF 12" Diameter Directional Boring For Horizontal Pipe, Underground.....	77.52	
<i>For Horizontal Boring Through Rock, Add</i>		
	54.26	
33 05 07 13-0032 LF 18" Diameter Directional Boring For Horizontal Pipe, Underground.....	160.58	
<i>For Horizontal Boring Through Rock, Add</i>		
	112.41	
33 05 07 13-0033 LF 24" Diameter Directional Boring For Horizontal Pipe, Underground.....	255.64	
<i>For Horizontal Boring Through Rock, Add</i>		
	178.95	
33 05 07 13-0034 LF 30" Diameter Directional Boring For Horizontal Pipe, Underground.....	389.70	
<i>For Horizontal Boring Through Rock, Add</i>		
	272.79	
33 05 07 13-0035 LF 36" Diameter Directional Boring For Horizontal Pipe, Underground.....	623.52	
<i>For Horizontal Boring Through Rock, Add</i>		
	436.46	
33 05 07 13-0036 EA Up To 6" Horizontal Directional Boring Minimum Set-up Charge.....	3,472.40	
Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0037 EA >6" To 18" Horizontal Directional Boring Minimum Set-up Charge.....	3,986.80	
Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0038 EA >18" To 36" Horizontal Directional Boring Minimum Set-up Charge.....	5,487.03	
Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
<b>33 05 07 23 Utility Boring and Jacking (33 05 07)</b>		
<b>33 05 07 23-0001 Horizontal Jacking (33 05 07 23)</b>		
Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.		
33 05 07 23-0002 LF Up To 2" Diameter Horizontal Jacking.....	62.40	
<i>For Horizontal Jacking Through Rock, Add</i>		
	30.98	
33 05 07 23-0003 LF 3" Diameter Horizontal Jacking.....	74.86	
<i>For Horizontal Jacking Through Rock, Add</i>		
	37.39	
33 05 07 23-0004 LF 4" Diameter Horizontal Jacking.....	101.30	
<i>For Horizontal Jacking Through Rock, Add</i>		
	51.29	
33 05 07 23-0005 LF 6" Diameter Horizontal Jacking.....	130.92	
<i>For Horizontal Jacking Through Rock, Add</i>		
	66.25	
33 05 07 23-0006 LF 8" Diameter Horizontal Jacking.....	177.54	
<i>For Horizontal Jacking Through Rock, Add</i>		
	90.80	
33 05 07 23-0007 LF 10" Diameter Horizontal Jacking.....	260.17	
<i>For Horizontal Jacking Through Rock, Add</i>		
	132.49	
33 05 07 23-0008 LF 12" Diameter Horizontal Jacking.....	313.17	
<i>For Horizontal Jacking Through Rock, Add</i>		
	159.20	
33 05 07 23-0009 LF 16" Diameter Horizontal Jacking.....	373.94	
<i>For Horizontal Jacking Through Rock, Add</i>		
	190.20	

**33 Utilities****33 05 Common Work Results for Utilities****33 05 07 Trenchless Installation of Utility Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 23-0010 LF 20" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	588.72 330.16	
33 05 07 23-0011 LF 24" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	941.54 370.52	
33 05 07 23-0012 LF 30" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,098.79 457.52	
33 05 07 23-0013 LF 36" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,241.99 523.13	
33 05 07 23-0014 LF 42" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,334.66 564.91	
33 05 07 23-0015 LF 48" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,446.65 608.69	
33 05 07 23-0016 LF 54" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,548.03 662.45	
33 05 07 23-0017 EA Up To 6" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,472.40	
33 05 07 23-0018 EA >6" To 20" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,986.80	
33 05 07 23-0019 EA >20" To 36" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,487.03	
33 05 07 23-0020 EA >36" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	8,242.51	

**33 05 07 24 Casing Piping for Utility Jacking (33 05 07)****33 05 07 24-0001****Casing Pipe (33 05 07 24)**

Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

**33 05 07 24-0002****Steel Pipe (33 05 07 24-0001)**

33 05 07 24-0003 LF 1-1/2" Steel Pipe Pull In Place By Boring Machine.....	17.41	
Note: Includes pipe welding.		
33 05 07 24-0004 LF 2" Steel Pipe Pull In Place By Boring Machine.....	18.45	
Note: Includes pipe welding.		
33 05 07 24-0005 LF 2-1/2" Steel Pipe Pull In Place By Boring Machine.....	19.91	
Note: Includes pipe welding.		
33 05 07 24-0006 LF 3" Steel Pipe Pull In Place By Boring Machine.....	21.42	
Note: Includes pipe welding.		
33 05 07 24-0007 LF 4" Steel Pipe Pull In Place By Boring Machine.....	27.08	
Note: Includes pipe welding.		
33 05 07 24-0008 LF 5" Steel Pipe Pull In Place By Boring Machine.....	30.60	
Note: Includes pipe welding.		
33 05 07 24-0009 LF 6" Steel Pipe Pull In Place By Boring Machine.....	34.13	
Note: Includes pipe welding.		

**33 05 07 24-0010****Polyethylene Pipe (33 05 07 24-0001)**

33 05 07 24-0011 LF 3/4" Polyethylene Pipe Pull In Place By Boring Machine.....	5.21	
Note: Includes pipe welding.		
33 05 07 24-0012 LF 1" Polyethylene Pipe Pull In Place By Boring Machine.....	5.73	
Note: Includes pipe welding.		
33 05 07 24-0013 LF 1-1/4" Polyethylene Pipe Pull In Place By Boring Machine.....	6.23	
Note: Includes pipe welding.		
33 05 07 24-0014 LF 1-1/2" Polyethylene Pipe Pull In Place By Boring Machine.....	6.66	
Note: Includes pipe welding.		
33 05 07 24-0015 LF 2" Polyethylene Pipe Pull In Place By Boring Machine.....	7.12	
Note: Includes pipe welding.		
33 05 07 24-0016 LF 2-1/2" Polyethylene Pipe Pull In Place By Boring Machine.....	7.60	
Note: Includes pipe welding.		
33 05 07 24-0017 LF 3" Polyethylene Pipe Pull In Place By Boring Machine.....	8.09	
Note: Includes pipe welding.		
33 05 07 24-0018 LF 4" Polyethylene Pipe Pull In Place By Boring Machine.....	9.73	
Note: Includes pipe welding.		
33 05 07 24-0019 LF 5" Polyethylene Pipe Pull In Place By Boring Machine.....	10.72	
Note: Includes pipe welding.		
33 05 07 24-0020 LF 6" Polyethylene Pipe Pull In Place By Boring Machine.....	11.73	
Note: Includes pipe welding.		
33 05 07 24-0021 LF 8" Polyethylene Pipe Pull In Place By Boring Machine.....	15.13	
Note: Includes pipe welding.		
33 05 07 24-0022 LF 10" Polyethylene Pipe Pull In Place By Boring Machine.....	20.39	
Note: Includes pipe welding.		

**33 05 09 Piping Specials for Utilities (33 05)****33 05 09 23****Adapters for Utility Piping (33 05 09)**

See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.

**33 05 09 33****Thrust Restraint for Utility Piping (33 05 09)**

See CSI section 33 14 13 13-0525 for mechanical restraints, 33 14 13 13-0560 for flanged restraints, 33 14 13 13-1132



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
for slip-on restraints, 33 14 13 13-1148 for slip-on restraint harnesses.		
33 05 16 Cast-Iron Utility Pipe <sup>(33 05)</sup> See CSI section 22 13 16 00-0019 for cast iron utility piping.		
33 05 17 Copper Utility Pipe and Tubing <sup>(33 05)</sup> See CSI section 33 14 13 39-0000 for copper utility piping.		
33 05 19 Ductile-Iron Utility Pipe <sup>(33 05)</sup> See CSI section 33 14 13 13-0000 for ductile iron utility piping.		
33 05 24 Steel Utility Pipe <sup>(33 05)</sup>		
<b>33 05 24 23 Steel Pipe for Water Service</b> <sup>(33 05 24)</sup> See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.		
33 05 27 Corrugated Metal Utility Pipe <sup>(33 05)</sup>		
<b>33 05 27 13 Corrugated Metal Culvert Pipe</b> <sup>(33 05 27)</sup> See CSI section 33 42 11 00-0448 for corrugated metal culvert pipe.		
<b>33 05 27 23 Corrugated Metal Slotted Pipe</b> <sup>(33 05 27)</sup> See CSI section 33 41 16 13-0085 for corrugated metal slotted pipe.		
<b>33 05 27 33 Corrugated Metal Culvert Arch Pipe</b> <sup>(33 05 27)</sup> See CSI section 33 42 11 00-0792 for corrugated metal culvert arch pipe.		
33 05 31 Thermoplastic Utility Pipe <sup>(33 05)</sup>		
<b>33 05 31 11 Polyvinyl Chloride Gravity Sewer Pipe</b> <sup>(33 05 31)</sup> See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.		
<b>33 05 31 13 Polyvinyl Chloride Pressure Pipe</b> <sup>(33 05 31)</sup> See CSI section 33 14 13 23-0001 for polyvinyl chloride pressure pipe.		
<b>33 05 31 16 Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905)</b> <sup>(33 05 31)</sup> See CSI section 33 14 13 23-0171 for AWWA C900 and 905 polyvinyl chloride pressure pipe.		
33 05 33 Polyethylene Utility Pipe <sup>(33 05)</sup>		
<b>33 05 33 13 Corrugated-Wall, Smooth Interior HDPE Gravity Pipe</b> <sup>(33 05 33)</sup> See CSI section 33 42 11 00-0189 for corrugated-wall smooth interior HDPE gravity pipe.		
<b>33 05 33 23 Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906)</b> <sup>(33 05 33)</sup> See CSI section 33 14 13 23-0426 for AWWA C906 high density polyethylene pipe.		
<b>33 05 33 33 Corrugated, Perforated HDPE Drainage Pipe</b> <sup>(33 05 33)</sup> See CSI section 33 42 11 00-0211 for corrugated perforated HDPE drainage pipe.		
<b>33 05 33 36 Corrugated, Non-Perforated HDPE Drainage Pipe</b> <sup>(33 05 33)</sup> See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.		
<b>33 05 33 53 HDPE Gas Utility Pipe</b> <sup>(33 05 33)</sup> See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.		
<b>33 05 33 56 Medium-Density Polyethylene Gas Utility Pipe</b> <sup>(33 05 33)</sup> See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.		
<b>33 05 33 63 HDPE Communication Duct</b> <sup>(33 05 33)</sup>		
33 05 33 63-0001 ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine <sup>(33 05 33 63)</sup> Note: Excludes boring.		
33 05 33 63-0002 LF 1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	3.59	
For Up To 250, Add	0.11	
For >250 To 500, Add	0.08	
33 05 33 63-0003 LF 1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.02	
For Up To 250, Add	0.14	
For >250 To 500, Add	0.09	
33 05 33 63-0004 LF 1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.36	
For Up To 250, Add	0.16	
For >250 To 500, Add	0.11	
33 05 33 63-0005 LF 2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.79	
For Up To 250, Add	0.19	
For >250 To 500, Add	0.13	
33 05 33 63-0006 LF 3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	6.45	
For Up To 250, Add	0.39	
For >250 To 500, Add	0.26	
33 05 33 63-0007 LF 4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	8.15	
For Up To 250, Add	0.60	
For >250 To 500, Add	0.40	

**33 Utilities****33 05 Common Work Results for Utilities****33 05 33 Polyethylene Utility Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 33 63-0008	LF	1"	Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	3.67	
			For Up To 250, Add.....	0.12	
			For >250 To 500, Add.....	0.08	
33 05 33 63-0009	LF	1-1/4"	Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.17	
			For Up To 250, Add.....	0.16	
			For >250 To 500, Add.....	0.11	
33 05 33 63-0010	LF	1-1/2"	Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.48	
			For Up To 250, Add.....	0.18	
			For >250 To 500, Add.....	0.12	
33 05 33 63-0011	LF	2"	Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	5.09	
			For Up To 250, Add.....	0.23	
			For >250 To 500, Add.....	0.16	
33 05 33 63-0012	LF	3"	Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	7.12	
			For Up To 250, Add.....	0.50	
			For >250 To 500, Add.....	0.33	
33 05 33 63-0013	LF	4"	Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	8.99	
			For Up To 250, Add.....	0.73	
			For >250 To 500, Add.....	0.49	

**33 05 39 Concrete Pipe** (33 05)**33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301)** (33 05)

See CSI section 33 42 11 00-0080 for prestressed concrete pressure pipe.

**33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts** (33 05 39)

See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

**33 05 39 46 Reinforced Concrete Elliptical Pipe for Sewers and Culverts** (33 05 39)

See CSI section 33 42 11 00-0019 for reinforced concrete elliptical pipe.

**33 05 41 Vitrified Clay Utility Pipe** (33 05)

See CSI section 33 42 11 00-0315 for vitrified clay piping.

**33 05 61 Concrete Manholes** (33 05)**33 05 61 00-0001 Manholes** (33 05 61)**33 05 61 00-0002 Precast Concrete Manholes** (33 05 61 00-0001)

Note: Includes base, riser(s), reducer and openings. Excludes excavation, aggregate, backfill and frame/cover.  
See CSI section 33 05 84 00-0002 for top slabs.

**33 05 61 00-0003 3' Diameter, Precast Concrete Manholes** (33 05 61 00-0002)

33 05 61 00-0004	EA	4' Deep, 3' Diameter, Precast Concrete Manhole.....	1,571.39	273.11
		For Bitumastic Coating, Add.....	73.72	
		For Epoxy Coating, Add.....	140.87	
33 05 61 00-0005	EA	6' Deep, 3' Diameter, Precast Concrete Manhole.....	2,139.55	392.30
		For Bitumastic Coating, Add.....	110.58	
		For Epoxy Coating, Add.....	211.31	
33 05 61 00-0006	EA	8' Deep, 3' Diameter, Precast Concrete Manhole.....	2,876.54	595.89
		For Bitumastic Coating, Add.....	147.44	
		For Epoxy Coating, Add.....	281.75	
33 05 61 00-0007	VLF	Riser For 3' Diameter, Precast Concrete Manhole.....	303.94	69.52
		Note: For depths greater than 8'.		
		For Bitumastic Coating, Add.....	18.43	
		For Epoxy Coating, Add.....	35.22	
33 05 61 00-0008	VLF	Drop Collar For 3' Diameter, Precast Concrete Manhole.....	328.13	69.52
33 05 61 00-0009	EA	Drop Base For 3' Diameter, Precast Concrete Manhole.....	529.43	69.52
33 05 61 00-0010	EA	Extended Base Slab For 3' Diameter, Precast Concrete Manhole.....	421.33	69.52
33 05 61 00-0011	EA	Precast Channel For 3' Diameter, Precast Concrete Manhole.....	605.45	69.52

**33 05 61 00-0012 4' Diameter, Precast Concrete Manholes** (33 05 61 00-0002)

33 05 61 00-0013	EA	4' Deep, 4' Diameter, Precast Concrete Manhole.....	2,010.90	312.84
		For Bitumastic Coating, Add.....	73.72	
		For Epoxy Coating, Add.....	140.87	
33 05 61 00-0014	EA	6' Deep, 4' Diameter, Precast Concrete Manhole.....	2,686.13	427.05
		For Bitumastic Coating, Add.....	110.58	
		For Epoxy Coating, Add.....	211.31	
33 05 61 00-0015	EA	8' Deep, 4' Diameter, Precast Concrete Manhole.....	3,560.79	645.54
		For Bitumastic Coating, Add.....	147.44	
		For Epoxy Coating, Add.....	281.75	
33 05 61 00-0016	VLF	Riser For 4' Diameter, Precast Concrete Manhole.....	383.54	81.93
		Note: For depths greater than 8'.		
		For Bitumastic Coating, Add.....	18.43	
		For Epoxy Coating, Add.....	35.22	
33 05 61 00-0017	VLF	Drop Collar For 4' Diameter, Precast Concrete Manhole.....	416.13	81.93
33 05 61 00-0018	EA	Drop Base For 4' Diameter, Precast Concrete Manhole.....	687.31	81.93
33 05 61 00-0019	EA	Extended Base Slab For 4' Diameter, Precast Concrete Manhole.....	541.69	81.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0020 EA Precast Channel For 4' Diameter, Precast Concrete Manhole .....	789.74	81.93
<b>33 05 61 00-0021 5' Diameter, Precast Concrete Manholes</b> <small>(33 05 61 00-0002)</small>		
33 05 61 00-0022 EA 4' Deep, 5' Diameter, Precast Concrete Manhole .....	3,729.88	347.60
<i>For Bitumastic Coating, Add</i>	94.98	
<i>For Epoxy Coating, Add</i>	227.10	
33 05 61 00-0023 EA 6' Deep, 5' Diameter, Precast Concrete Manhole .....	4,969.72	476.71
<i>For Bitumastic Coating, Add</i>	142.48	
<i>For Epoxy Coating, Add</i>	340.65	
33 05 61 00-0024 EA 8' Deep, 5' Diameter, Precast Concrete Manhole .....	6,430.63	715.06
<i>For Bitumastic Coating, Add</i>	189.97	
<i>For Epoxy Coating, Add</i>	454.20	
33 05 61 00-0025 VLF Riser For 5' Diameter, Precast Concrete Manhole .....	671.14	89.39
Note: For depths greater than 8'.		
<i>For Bitumastic Coating, Add</i>	23.75	
<i>For Epoxy Coating, Add</i>	56.78	
<b>33 05 61 00-0026 6' Diameter, Precast Concrete Manholes</b> <small>(33 05 61 00-0002)</small>		
33 05 61 00-0027 EA 4' Deep, 6' Diameter, Precast Concrete Manhole .....	4,989.04	387.33
<i>For Bitumastic Coating, Add</i>	108.74	
<i>For Epoxy Coating, Add</i>	265.88	
33 05 61 00-0028 EA 6' Deep, 6' Diameter, Precast Concrete Manhole .....	6,502.91	526.37
<i>For Bitumastic Coating, Add</i>	163.11	
<i>For Epoxy Coating, Add</i>	398.81	
33 05 61 00-0029 EA 8' Deep, 6' Diameter, Precast Concrete Manhole .....	8,264.28	794.52
<i>For Bitumastic Coating, Add</i>	217.49	
<i>For Epoxy Coating, Add</i>	531.75	
33 05 61 00-0030 VLF Riser For 6' Diameter, Precast Concrete Manhole .....	813.45	99.31
Note: For depths greater than 8'.		
<i>For Bitumastic Coating, Add</i>	27.19	
<i>For Epoxy Coating, Add</i>	66.47	
<b>33 05 61 00-0031 7' Diameter, Precast Concrete Manholes</b> <small>(33 05 61 00-0002)</small>		
33 05 61 00-0032 EA 4' Deep, 7' Diameter, Precast Concrete Manhole .....	7,830.12	427.05
<i>For Bitumastic Coating, Add</i>	231.24	
<i>For Epoxy Coating, Add</i>	464.60	
33 05 61 00-0033 EA 6' Deep, 7' Diameter, Precast Concrete Manhole .....	10,131.31	582.48
<i>For Bitumastic Coating, Add</i>	346.87	
<i>For Epoxy Coating, Add</i>	696.90	
33 05 61 00-0034 EA 8' Deep, 7' Diameter, Precast Concrete Manhole .....	12,704.62	873.97
<i>For Bitumastic Coating, Add</i>	462.49	
<i>For Epoxy Coating, Add</i>	929.20	
33 05 61 00-0035 VLF Riser For 7' Diameter, Precast Concrete Manhole .....	1,213.67	109.24
Note: For depths greater than 8'.		
<i>For Bitumastic Coating, Add</i>	57.81	
<i>For Epoxy Coating, Add</i>	116.15	
<b>33 05 61 00-0036 8' Diameter, Precast Concrete Manholes</b> <small>(33 05 61 00-0002)</small>		
33 05 61 00-0037 EA 4' Deep, 8' Diameter, Precast Concrete Manhole .....	11,307.45	491.61
<i>For Bitumastic Coating, Add</i>	273.38	
<i>For Epoxy Coating, Add</i>	566.31	
33 05 61 00-0038 EA 6' Deep, 8' Diameter, Precast Concrete Manhole .....	14,668.05	670.37
<i>For Bitumastic Coating, Add</i>	410.07	
<i>For Epoxy Coating, Add</i>	849.46	
33 05 61 00-0039 EA 8' Deep, 8' Diameter, Precast Concrete Manhole .....	18,341.50	1,005.56
<i>For Bitumastic Coating, Add</i>	546.76	
<i>For Epoxy Coating, Add</i>	1,132.61	
33 05 61 00-0040 VLF Riser For 8' Diameter, Precast Concrete Manhole .....	1,749.82	124.15
Note: For depths greater than 8'.		
<i>For Bitumastic Coating, Add</i>	68.35	
<i>For Epoxy Coating, Add</i>	141.58	
<b>33 05 63 Concrete Vaults and Chambers</b> <small>(33 05)</small>		
<b>33 05 63 00-0001 Underground Utility Vaults And Structures</b> <small>(33 05 63)</small>		
See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.		
<b>33 05 63 00-0002 Precast Concrete Underground Utility Vault</b> <small>(33 05 63 00-0001)</small>		
Note: Sizes given are for inside dimensions.		
<b>33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault</b> <small>(33 05 63 00-0002)</small>		
33 05 63 00-0004 EA 4' x 4' x 6' Precast Concrete Underground Utility Vault .....	3,132.89	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0005 EA 4' x 6' x 6' Precast Concrete Underground Utility Vault .....	4,083.76	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0006 EA 5' x 10' x 6' Precast Concrete Underground Utility Vault .....	6,737.27	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0007 EA 5' x 12' x 6' Precast Concrete Underground Utility Vault .....	7,779.27	
Note: 6" thick walls and 8" thick top.		

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0008 EA 6' x 6' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,218.86	
33 05 63 00-0009 EA 6' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,352.94	
33 05 63 00-0010 EA 6' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,488.04	
33 05 63 00-0011 EA 6' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,818.77	
33 05 63 00-0012 EA 6' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,818.77	
33 05 63 00-0013 EA 6' x 16' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,622.54	
33 05 63 00-0014 EA 8' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,672.27	
33 05 63 00-0015 EA 8' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,990.62	
33 05 63 00-0016 EA 8' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,851.33	
33 05 63 00-0017 EA 8' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,464.11	
<b>33 05 63 00-0018 7' High Precast Concrete Underground Utility Vault</b> <small>(33 05 63 00-0002)</small>		
33 05 63 00-0019 EA 4' x 4' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,423.27	
33 05 63 00-0020 EA 4' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,444.98	
33 05 63 00-0021 EA 4' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,507.77	
33 05 63 00-0022 EA 5' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,328.74	
33 05 63 00-0023 EA 5' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,450.23	
33 05 63 00-0024 EA 6' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,649.55	
33 05 63 00-0025 EA 6' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,905.66	
33 05 63 00-0026 EA 6' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,058.69	
33 05 63 00-0027 EA 6' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,765.08	
33 05 63 00-0028 EA 6' x 16' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,779.25	
33 05 63 00-0029 EA 8' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,303.48	
33 05 63 00-0030 EA 8' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,700.36	
33 05 63 00-0031 EA 8' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,903.42	
33 05 63 00-0032 EA 8' x 14' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,619.84	
33 05 63 00-0033 EA 10' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,113.07	
<b>33 05 63 00-0034 8' High Precast Concrete Underground Utility Vault</b> <small>(33 05 63 00-0002)</small>		
33 05 63 00-0035 EA 4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,764.11	
33 05 63 00-0036 EA 4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,873.03	
33 05 63 00-0037 EA 5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,920.18	
33 05 63 00-0038 EA 5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,120.22	
33 05 63 00-0039 EA 6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,165.19	
33 05 63 00-0040 EA 6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,457.34	
33 05 63 00-0041 EA 6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,749.52	
33 05 63 00-0042 EA 6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,711.38	
33 05 63 00-0043 EA 6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,936.04	
33 05 63 00-0044 EA 8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,933.71	
33 05 63 00-0045 EA 8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,410.10	
33 05 63 00-0046 EA 8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,954.44	
33 05 63 00-0047 EA 8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,776.61	
33 05 63 00-0048 EA 10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,164.85	





	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			<b>33 05 63 00-0049</b> 10' High Precast Concrete Underground Utility Vault <small>(33 05 63 00-0002)</small>		
	33 05 63 00-0050	EA	6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,638.37	
	33 05 63 00-0051	EA	6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,009.03	
	33 05 63 00-0052	EA	10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,215.82	
			<b>33 05 63 00-0053</b> 12' High Precast Concrete Underground Utility Vault <small>(33 05 63 00-0002)</small>		
	33 05 63 00-0054	EA	6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,111.52	
	33 05 63 00-0055	EA	6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,561.73	
			<b>33 05 63 00-0056</b> Meter Pit <small>(33 05 63 00-0001)</small>		
			<b>33 05 63 00-0057</b> Precast Concrete Meter Pit <small>(33 05 63 00-0056)</small>		
	33 05 63 00-0058	EA	4' x 4' x 4' Deep Precast Concrete Meter Pit.....	3,084.38	
	33 05 63 00-0059	EA	4' x 4' x 6' Deep Precast Concrete Meter Pit.....	4,181.29	
	33 05 63 00-0060	EA	4' x 4' x 8' Deep Precast Concrete Meter Pit.....	5,248.24	
	33 05 63 00-0061	EA	4' x 4' x 10' Deep Precast Concrete Meter Pit.....	6,501.63	
	33 05 63 00-0062	EA	4' x 4' x 15' Deep Precast Concrete Meter Pit.....	8,983.17	
	33 05 63 00-0063	EA	6' x 6' x 4' Deep Precast Concrete Meter Pit.....	4,676.17	
	33 05 63 00-0064	EA	6' x 6' x 6' Deep Precast Concrete Meter Pit.....	6,501.63	
	33 05 63 00-0065	EA	6' x 6' x 8' Deep Precast Concrete Meter Pit.....	8,375.50	
	33 05 63 00-0066	EA	6' x 6' x 10' Deep Precast Concrete Meter Pit.....	10,448.78	
	33 05 63 00-0067	EA	6' x 6' x 15' Deep Precast Concrete Meter Pit.....	14,854.03	
			<b>33 05 63 00-0068</b> Handhole Or Pull Box Enclosures <small>(33 05 63 00-0001)</small>		
			<b>33 05 63 00-0069</b> Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0068)</small>		
			<b>33 05 63 00-0070</b> Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0069)</small>		
			<b>33 05 63 00-0071</b> Flared Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0070)</small>		
			<b>33 05 63 00-0072</b> Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0071)</small>		
	33 05 63 00-0073	EA	12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	400.58	21.42
	33 05 63 00-0074	EA	10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	325.28	47.57
	33 05 63 00-0075	EA	13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	497.53	71.35
	33 05 63 00-0076	EA	17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	586.52	71.35
	33 05 63 00-0077	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	557.12	71.35
	33 05 63 00-0078	EA	13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	685.47	71.35
	33 05 63 00-0079	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	666.09	71.35
	33 05 63 00-0080	EA	17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	925.99	71.35
	33 05 63 00-0081	EA	27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,319.61	95.14
	33 05 63 00-0082	EA	27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,878.93	95.14
	33 05 63 00-0083	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,166.56	130.81
	33 05 63 00-0084	EA	24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,341.72	130.81
	33 05 63 00-0085	EA	24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,252.91	130.81
	33 05 63 00-0086	EA	39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,243.61	142.71
	33 05 63 00-0087	EA	39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,817.36	142.71
	33 05 63 00-0088	EA	39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,286.54	142.71
	33 05 63 00-0089	EA	39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	3,396.26	142.71
	33 05 63 00-0090	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,815.97	236.83
	33 05 63 00-0091	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,679.49	236.83

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0092			<b>Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0071)</small>		
33 05 63 00-0093	EA		12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	516.84	21.42
33 05 63 00-0094	EA		13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	635.99	71.35
33 05 63 00-0095	EA		17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	779.24	71.35
33 05 63 00-0096	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	715.12	71.35
33 05 63 00-0097	EA		13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	824.82	71.35
33 05 63 00-0098	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	853.59	71.35
33 05 63 00-0099	EA		17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	1,115.10	71.35
33 05 63 00-0100	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	1,461.01	130.81
33 05 63 00-0101	EA		24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	1,636.17	130.81
33 05 63 00-0102	EA		24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	2,547.38	130.81
33 05 63 00-0103	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	2,160.05	236.83
33 05 63 00-0104	EA		30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	3,030.14	236.83
33 05 63 00-0105			<b>Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0070)</small>		
33 05 63 00-0106			<b>Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0105)</small>		
33 05 63 00-0107	EA		5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	666.45	21.42
33 05 63 00-0108	EA		10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	561.22	21.42
33 05 63 00-0109	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	419.87	71.35
33 05 63 00-0110	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	481.96	71.35
33 05 63 00-0111	EA		6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	145.57	21.42
33 05 63 00-0112	EA		12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	233.56	21.42
33 05 63 00-0113	EA		8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	386.29	21.42
33 05 63 00-0114	EA		8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	404.77	21.42
33 05 63 00-0115	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	318.83	47.57
33 05 63 00-0116	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	347.18	47.57
33 05 63 00-0117	EA		8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	229.78	21.42
33 05 63 00-0118	EA		8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	264.41	21.42
33 05 63 00-0119	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	344.24	47.57
33 05 63 00-0120	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	391.90	47.57
33 05 63 00-0121	EA		11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	361.05	47.57
33 05 63 00-0122	EA		13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	422.76	71.35
33 05 63 00-0123	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	469.51	71.35
33 05 63 00-0124	EA		17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	504.28	71.35
33 05 63 00-0125	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	556.64	71.35
33 05 63 00-0126	EA		17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	661.06	71.35
33 05 63 00-0127	EA		17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	724.41	71.35
33 05 63 00-0128	EA		17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	793.72	71.35
33 05 63 00-0129	EA		17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	837.30	71.35
33 05 63 00-0130	EA		24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	991.06	95.14
33 05 63 00-0131	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	976.82	130.81
33 05 63 00-0132	EA		24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,280.38	130.81
33 05 63 00-0133	EA		24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,560.68	130.81
33 05 63 00-0134	EA		24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,737.70	130.81
33 05 63 00-0135	EA		24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,913.77	130.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0136 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,152.86	236.83
33 05 63 00-0137 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,532.31	236.83
33 05 63 00-0138 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,757.13	236.83
33 05 63 00-0139 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,187.04	236.83
33 05 63 00-0140 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,182.62	236.83
33 05 63 00-0141 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,343.10	236.83
33 05 63 00-0142 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,651.73	236.83
33 05 63 00-0143 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,419.49	253.74
33 05 63 00-0144 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,637.39	253.74
33 05 63 00-0145 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,915.58	253.74
33 05 63 00-0146 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,026.89	253.74
33 05 63 00-0147 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,065.58	253.74
33 05 63 00-0148 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,489.46	253.74
33 05 63 00-0149 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,666.27	253.74
33 05 63 00-0150 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,559.42	253.74
33 05 63 00-0151 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,014.55	270.66
33 05 63 00-0152 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,986.33	270.66
33 05 63 00-0153 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	6,434.57	270.66
<b>33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0105)</small>		
33 05 63 00-0155 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	581.07	71.35
33 05 63 00-0156 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	673.18	71.35
33 05 63 00-0157 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	255.97	21.42
33 05 63 00-0158 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	376.23	21.42
33 05 63 00-0159 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	509.17	21.42
33 05 63 00-0160 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	527.68	21.42
33 05 63 00-0161 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	439.88	47.57
33 05 63 00-0162 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	459.61	47.57
33 05 63 00-0163 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	485.99	47.57
33 05 63 00-0164 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	350.16	21.42
33 05 63 00-0165 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	416.36	21.42
33 05 63 00-0166 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	485.35	47.57
33 05 63 00-0167 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	533.01	47.57
33 05 63 00-0168 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	503.66	47.57
33 05 63 00-0169 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	580.18	71.35
33 05 63 00-0170 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	627.52	71.35
33 05 63 00-0171 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	692.14	71.35
33 05 63 00-0172 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	744.17	71.35
33 05 63 00-0173 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	848.28	71.35
33 05 63 00-0174 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	911.90	71.35
33 05 63 00-0175 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	980.91	71.35
33 05 63 00-0176 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,024.80	71.35

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0177 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,250.07	95.14
33 05 63 00-0178 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,271.29	130.81
33 05 63 00-0179 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,574.49	130.81
33 05 63 00-0180 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,854.49	130.81
33 05 63 00-0181 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,031.23	130.81
33 05 63 00-0182 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,207.88	130.81
33 05 63 00-0183 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,873.14	236.83
33 05 63 00-0184 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,098.30	236.83
33 05 63 00-0185 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,527.88	236.83
<b>33 05 63 00-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0105)</small>		
33 05 63 00-0187 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	529.60	71.35
33 05 63 00-0188 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	624.27	71.35
33 05 63 00-0189 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	185.59	21.42
33 05 63 00-0190 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	314.44	21.42
33 05 63 00-0191 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	457.75	21.42
33 05 63 00-0192 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	476.59	21.42
33 05 63 00-0193 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	406.02	47.57
33 05 63 00-0194 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	460.89	47.57
33 05 63 00-0195 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	273.42	21.42
33 05 63 00-0196 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	432.98	47.57
33 05 63 00-0197 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	501.33	47.57
33 05 63 00-0198 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	450.74	47.57
33 05 63 00-0199 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	572.93	71.35
33 05 63 00-0200 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	666.37	71.35
33 05 63 00-0201 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	697.45	71.35
33 05 63 00-0202 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	771.43	71.35
33 05 63 00-0203 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	839.50	71.35
33 05 63 00-0204 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	903.76	71.35
33 05 63 00-0205 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,018.82	71.35
33 05 63 00-0206 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,034.86	71.35
33 05 63 00-0207 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,270.14	95.14
33 05 63 00-0208 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,297.30	130.81
33 05 63 00-0209 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,632.16	130.81
33 05 63 00-0210 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,963.33	130.81
33 05 63 00-0211 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,183.28	130.81
33 05 63 00-0212 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,403.24	130.81
33 05 63 00-0213 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,562.67	236.83
33 05 63 00-0214 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,942.15	236.83
33 05 63 00-0215 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,184.51	236.83
33 05 63 00-0216 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,614.12	236.83
33 05 63 00-0217 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,803.62	236.83
33 05 63 00-0218 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,862.96	236.83
33 05 63 00-0219 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	3,438.62	236.83
33 05 63 00-0220 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	3,172.81	253.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0221 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,285.40	253.74
33 05 63 00-0222 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,604.78	253.74
33 05 63 00-0223 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,846.50	253.74
33 05 63 00-0224 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,523.40	253.74
33 05 63 00-0225 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,387.89	253.74
33 05 63 00-0226 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,792.55	253.74
33 05 63 00-0227 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,180.44	253.74
33 05 63 00-0228 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	5,081.49	270.66
33 05 63 00-0229 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	6,053.66	270.66
33 05 63 00-0230 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	8,211.06	270.66
<b>33 05 63 00-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0105)</small>		
33 05 63 00-0232 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	690.78	71.35
33 05 63 00-0233 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	815.85	71.35
33 05 63 00-0234 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	295.10	21.42
33 05 63 00-0235 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	456.83	21.42
33 05 63 00-0236 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	580.37	21.42
33 05 63 00-0237 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	599.47	21.42
33 05 63 00-0238 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	547.13	47.57
33 05 63 00-0239 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	601.66	47.57
33 05 63 00-0240 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	429.90	21.42
33 05 63 00-0241 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	573.45	47.57
33 05 63 00-0242 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	641.80	47.57
33 05 63 00-0243 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	553.08	47.57
33 05 63 00-0244 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	730.99	71.35
33 05 63 00-0245 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	824.44	71.35
33 05 63 00-0246 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	884.94	71.35
33 05 63 00-0247 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	958.96	71.35
33 05 63 00-0248 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,027.00	71.35
33 05 63 00-0249 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,091.28	71.35
33 05 63 00-0250 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,206.38	71.35
33 05 63 00-0251 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,222.36	71.35
33 05 63 00-0252 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,528.82	95.14
33 05 63 00-0253 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,591.75	130.81
33 05 63 00-0254 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,926.30	130.81
33 05 63 00-0255 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,257.10	130.81
33 05 63 00-0256 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,477.23	130.81
33 05 63 00-0257 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,697.36	130.81
33 05 63 00-0258 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,283.29	236.83
33 05 63 00-0259 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,525.99	236.83
33 05 63 00-0260 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,955.29	236.83

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0261			<b>Footed, Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0105)</small>		
33 05 63 00-0262	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	568.90	71.35
33 05 63 00-0263	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	384.68	47.57
33 05 63 00-0264	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	437.37	47.57
33 05 63 00-0265	EA		13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	500.50	71.35
33 05 63 00-0266	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	401.94	47.57
33 05 63 00-0267	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	452.41	47.57
33 05 63 00-0268			<b>Polymer Concrete Handhole Enclosure Extensions</b> <small>(33 05 63 00-0069)</small>		
33 05 63 00-0269	EA		13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	402.39	71.35
33 05 63 00-0270	EA		17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	457.31	71.35
33 05 63 00-0271	EA		24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	515.74	95.14
33 05 63 00-0272	EA		24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	569.66	95.14
33 05 63 00-0273	EA		24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	662.39	130.81
33 05 63 00-0274	EA		36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,212.46	236.83
33 05 63 00-0275	EA		30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,153.51	236.83
33 05 63 00-0276	EA		30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,166.37	236.83
33 05 63 00-0277	EA		36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,605.02	253.74
33 05 63 00-0278	EA		48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	2,611.16	270.66
33 05 63 00-0279	EA		48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	3,467.48	270.66
33 05 63 00-0280	EA		13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	690.55	71.35
33 05 63 00-0281	EA		17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	724.10	71.35
33 05 63 00-0282	EA		24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	761.54	95.14
33 05 63 00-0283	EA		24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	816.05	95.14
33 05 63 00-0284	EA		24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	931.98	130.81
33 05 63 00-0285	EA		30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	1,534.50	236.83
33 05 63 00-0286	EA		13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	526.54	71.35
33 05 63 00-0287	EA		17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	592.72	71.35
33 05 63 00-0288	EA		24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	757.33	130.81
33 05 63 00-0289	EA		36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	1,541.90	253.74
33 05 63 00-0290			<b>Polymer Concrete Handhole Enclosure Covers</b> <small>(33 05 63 00-0069)</small>		
33 05 63 00-0291			<b>Polymer Concrete Handhole Enclosure Covers</b> <small>(33 05 63 00-0290)</small>		
33 05 63 00-0292	EA		5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	154.39	9.52
33 05 63 00-0293	EA		10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	156.51	9.52
33 05 63 00-0294	EA		12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	144.42	9.52
33 05 63 00-0295	EA		8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	156.92	9.52
33 05 63 00-0296	EA		11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	158.53	9.51
33 05 63 00-0297	EA		13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	183.15	9.51
33 05 63 00-0298	EA		17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	213.61	9.51
33 05 63 00-0299	EA		30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,437.13	30.44
33 05 63 00-0300	EA		30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,255.50	30.44
33 05 63 00-0301	EA		36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,888.14	30.44
33 05 63 00-0302	EA		48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,909.70	30.44
33 05 63 00-0303	EA		36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	2,165.68	30.44
33 05 63 00-0304	EA		48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	2,361.21	30.44
33 05 63 00-0305	EA		48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	3,804.82	30.44
33 05 63 00-0306	EA		10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	130.98	9.51
33 05 63 00-0307	EA		11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	191.43	9.51
33 05 63 00-0308	EA		11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	194.24	9.51
33 05 63 00-0309	EA		13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	246.63	9.51
33 05 63 00-0310	EA		13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover.....	183.93	9.51
33 05 63 00-0311	EA		17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	293.35	9.51
33 05 63 00-0312	EA		17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover.....	228.45	9.51
33 05 63 00-0313	EA		27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	477.99	9.51
33 05 63 00-0314	EA		24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	413.39	14.27
33 05 63 00-0315	EA		24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	521.40	14.27
33 05 63 00-0316	EA		39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	673.62	16.65



MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0317	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	950.99	23.69
33 05 63 00-0318	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	986.73	45.11
33 05 63 00-0319	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	249.77	9.51
33 05 63 00-0320	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	359.83	9.51
33 05 63 00-0321	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	410.64	9.51
33 05 63 00-0322	EA	27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	688.58	9.51
33 05 63 00-0323	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	561.87	14.27
33 05 63 00-0324	EA	39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	956.42	16.65
33 05 63 00-0325	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,257.33	23.69
33 05 63 00-0326	EA	30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,697.53	30.44
33 05 63 00-0327	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,507.22	30.44
33 05 63 00-0328	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,112.38	30.44
33 05 63 00-0329	EA	48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,755.97	30.44
33 05 63 00-0330	EA	36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,638.57	30.44
33 05 63 00-0331	EA	48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	4,014.41	30.44
33 05 63 00-0332	EA	48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	6,210.39	30.44
33 05 63 00-0333	EA	11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	331.32	9.51
33 05 63 00-0334	EA	11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	363.11	9.51
33 05 63 00-0335	EA	13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	480.88	9.51
33 05 63 00-0336	EA	17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	549.22	9.51
33 05 63 00-0337	EA	27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	955.65	9.51
33 05 63 00-0338	EA	24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	687.72	14.27
33 05 63 00-0339	EA	24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	945.03	14.27
33 05 63 00-0340	EA	39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,470.24	16.65
33 05 63 00-0341	EA	36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,683.77	23.69
33 05 63 00-0342	EA	30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,750.25	45.11
33 05 63 00-0343	EA	30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,025.16	30.44
33 05 63 00-0344	EA	36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,834.26	30.44
33 05 63 00-0345	EA	48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	3,972.30	30.44
33 05 63 00-0346	EA	36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	3,542.81	30.44
33 05 63 00-0347	EA	48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	5,882.79	30.44
33 05 63 00-0348	EA	48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	9,089.76	30.44
<b>33 05 63 00-0349</b>		<b>Polymer Concrete Handhole Enclosure Covers With Gaskets (33 05 63 00-0290)</b>		
33 05 63 00-0350	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	178.60	9.52
33 05 63 00-0351	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	189.25	9.52
33 05 63 00-0352	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	192.71	9.51
33 05 63 00-0353	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	194.02	9.51
33 05 63 00-0354	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	225.23	9.51
33 05 63 00-0355	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	140.79	9.51
33 05 63 00-0356	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	201.49	9.51
33 05 63 00-0357	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	203.44	9.51
33 05 63 00-0358	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	257.00	9.51
33 05 63 00-0359	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	195.21	9.51
33 05 63 00-0360	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	240.38	9.51
33 05 63 00-0361	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	304.33	9.51
33 05 63 00-0362	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	420.76	14.27
33 05 63 00-0363	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	532.71	14.27
33 05 63 00-0364	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	998.35	45.11
33 05 63 00-0365	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	115.84	9.52
33 05 63 00-0366	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	185.91	9.52
33 05 63 00-0367	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	207.76	9.52
33 05 63 00-0368	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	198.06	9.52
33 05 63 00-0369	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	161.67	9.51
33 05 63 00-0370	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	259.81	9.51
33 05 63 00-0371	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	282.48	9.51
33 05 63 00-0372	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	370.51	9.51
33 05 63 00-0373	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	422.23	9.51
33 05 63 00-0374	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	572.23	14.27
33 05 63 00-0375	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	717.68	14.27
33 05 63 00-0376	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	1,319.73	45.11
<b>33 05 63 00-0377</b>		<b>Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 63 00-0290)</b>		
33 05 63 00-0378	EA	6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	91.75	9.52
33 05 63 00-0379	EA	7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	110.59	9.52
33 05 63 00-0380	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	135.97	9.52
33 05 63 00-0381	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	147.25	9.52
33 05 63 00-0382	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	146.94	9.51
33 05 63 00-0383	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	175.84	9.51
33 05 63 00-0384	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	204.25	9.51
33 05 63 00-0385	EA	24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	502.89	14.27
33 05 63 00-0386	EA	30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	944.43	45.11
33 05 63 00-0387	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,421.26	30.44
33 05 63 00-0388	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,237.57	30.44
33 05 63 00-0389	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,858.65	30.44
33 05 63 00-0390	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,792.97	30.44
33 05 63 00-0391	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,148.56	30.44

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 05 63 00-0392	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,297.95	30.44
33 05 63 00-0393	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	3,683.25	30.44
33 05 63 00-0394	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	125.62	9.51
33 05 63 00-0395	EA	10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	122.48	9.51
33 05 63 00-0396	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	184.65	9.51
33 05 63 00-0397	EA	11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	203.69	9.51
33 05 63 00-0398	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	231.59	9.51
33 05 63 00-0399	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	174.20	9.51
33 05 63 00-0400	EA	18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	195.21	9.51
33 05 63 00-0401	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	280.18	9.51
33 05 63 00-0402	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	404.86	14.27
33 05 63 00-0403	EA	20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	508.75	14.27
33 05 63 00-0404	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	502.58	14.27
33 05 63 00-0405	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	912.41	23.69
33 05 63 00-0406	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	944.43	27.06

**33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)**

33 05 63 00-0408	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,480.43	30.44
33 05 63 00-0409	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,150.76	30.44
33 05 63 00-0410	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,241.32	45.11
33 05 63 00-0411	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,650.53	45.11
33 05 63 00-0412	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,761.90	30.44
33 05 63 00-0413	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,407.04	30.44

**33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)**

33 05 63 00-0415	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	572.43	14.27
33 05 63 00-0416	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,071.73	23.69
33 05 63 00-0417	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,119.39	45.11
33 05 63 00-0418	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	86.49	9.52
33 05 63 00-0419	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	148.25	9.52
33 05 63 00-0420	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	163.87	9.52
33 05 63 00-0421	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	174.21	9.52
33 05 63 00-0422	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	151.94	9.51
33 05 63 00-0423	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	273.29	9.51
33 05 63 00-0424	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	770.82	14.27
33 05 63 00-0425	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,429.52	23.69
33 05 63 00-0426	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,496.91	45.11

**33 05 63 00-0427 Precast Concrete Handholes With Steel Cover (33 05 63 00-0068)**

Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).

33 05 63 00-0428	EA	12" x 12" x 12" Precast Concrete Handholes With Steel Cover	763.30	235.70
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	18.00	
33 05 63 00-0429	EA	12" x 24" x 21" Precast Concrete Handholes With Steel Cover	1,263.93	353.55
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	105.04	
33 05 63 00-0430	EA	18" x 30" x 18" Precast Concrete Handholes With Steel Cover	1,551.26	471.40
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	183.46	
33 05 63 00-0431	EA	24" x 24" x 24" Precast Concrete Handholes With Steel Cover	1,603.20	471.40
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	231.47	
33 05 63 00-0432	EA	24" x 24" x 30" Precast Concrete Handholes With Steel Cover	1,900.38	589.26
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	278.43	
33 05 63 00-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover	1,987.05	589.26
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	306.86	
33 05 63 00-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover	2,307.71	707.11
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	358.26	
33 05 63 00-0435	EA	48" x 48" x 48" Precast Concrete Handholes With Steel Cover	2,655.46	824.96
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	503.01	
33 05 63 00-0436	EA	48" x 72" x 36" Precast Concrete Handholes With Steel Cover	2,563.81	707.11
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	547.58	
33 05 63 00-0437	EA	54" x 38" x 24" Precast Concrete Handholes With Steel Cover	2,585.84	707.11
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	377.38	
33 05 63 00-0438	EA	6" Diameter Precast Concrete Handholes With Steel Cover	622.35	235.70
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	
33 05 63 00-0439	EA	9" Diameter Precast Concrete Handholes With Steel Cover	727.67	265.16
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	
33 05 63 00-0440	EA	12" Diameter Precast Concrete Handholes With Steel Cover	879.38	294.63
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	





MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**33 05 81 Metallic Castings for Utility Structures** (33 05)

**33 05 81 00-0001 Manhole Accessories** (33 05 81)

**33 05 81 00-0002 Steps For Cast-In-Place Manholes** (33 05 81 00-0001)

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 81 00-0003	EA	Cast Iron Manhole Step For New Manholes.....	106.18	
33 05 81 00-0004	EA	Galvanized Steel Manhole Step For New Manholes.....	62.20	
33 05 81 00-0005	EA	Aluminum Manhole Step For New Manholes.....	66.41	

**33 05 81 00-0006 Manhole Covers And Frames** (33 05 81)

Note: Includes moisture-tight masonry joints and waterproof grouting.

**33 05 81 00-0007 Regular Manhole Covers And Frames** (33 05 81 00-0006)

33 05 81 00-0008	EA	18" Square, Gray Iron, Manhole Cover With Frame .....	1,226.68	85.41
		<i>For Ductile Iron Castings, Add</i>	677.92	
33 05 81 00-0009	EA	18" Diameter, Gray Iron, Manhole Cover With Frame .....	728.31	85.41
		<i>For Ductile Iron Castings, Add</i>	329.06	
33 05 81 00-0010	EA	24" Diameter, Gray Iron, Manhole Cover With Frame .....	841.47	99.31
		<i>For Ductile Iron Castings, Add</i>	380.46	
33 05 81 00-0011	EA	24" Square, Gray Iron, Manhole Cover With Frame .....	1,275.42	110.24
		<i>For Ductile Iron Castings, Add</i>	661.06	
33 05 81 00-0012	EA	26" Diameter, Gray Iron, Manhole Cover With Frame .....	1,108.14	119.18
		<i>For Ductile Iron Castings, Add</i>	524.43	
33 05 81 00-0013	EA	30" Diameter, Gray Iron, Manhole Cover With Frame .....	1,155.38	124.15
		<i>For Ductile Iron Castings, Add</i>	548.07	

**33 05 81 00-0014 Watertight Type Manhole Covers And Frames** (33 05 81 00-0006)

33 05 81 00-0015	EA	20" Diameter, Gray Iron, Watertight Manhole Cover With Frame .....	1,350.10	70.51
		<i>For Ductile Iron Castings, Add</i>	748.60	
33 05 81 00-0016	EA	22" Diameter, Gray Iron, Watertight Manhole Cover With Frame .....	1,376.72	70.51
		<i>For Ductile Iron Castings, Add</i>	751.05	
33 05 81 00-0017	EA	24" Diameter, Gray Iron, Watertight Manhole Cover With Frame .....	1,411.06	82.43
		<i>For Ductile Iron Castings, Add</i>	756.01	
33 05 81 00-0018	EA	26" Diameter, Gray Iron, Watertight Manhole Cover With Frame .....	1,668.64	92.36
		<i>For Ductile Iron Castings, Add</i>	916.78	
33 05 81 00-0019	EA	30" Diameter, Gray Iron, Watertight Manhole Cover With Frame .....	1,918.52	94.35
		<i>For Ductile Iron Castings, Add</i>	1,082.27	
33 05 81 00-0020	EA	32" Diameter, Gray Iron, Watertight Manhole Cover With Frame .....	2,014.39	96.34
		<i>For Ductile Iron Castings, Add</i>	1,145.97	
33 05 81 00-0021	EA	36" Diameter, Gray Iron, Watertight Manhole Cover With Frame .....	2,100.53	99.31
		<i>For Ductile Iron Castings, Add</i>	1,202.72	

**33 05 81 00-0022 Aluminum Manhole Covers And Frames** (33 05 81 00-0006)

33 05 81 00-0023	EA	12" Square Aluminum Manhole Cover With Frame .....	768.38	28.47
33 05 81 00-0024	EA	18" Square Aluminum Manhole Cover With Frame .....	1,386.14	31.52
33 05 81 00-0025	EA	24" Square Aluminum Manhole Cover With Frame .....	1,979.19	36.60

**33 05 81 00-0026 Removal And Reinstallation Of Manhole Cover And Frame** (33 05 81 00-0006)

Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.

33 05 81 00-0027	EA	Removal And Reinstallation Of Manhole Cover And Frame .....	398.19	
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**33 05 83 Non-Metallic Accessories for Utility Structures** (33 05)

**33 05 83 00-0001 Manhole Accessories** (33 05 83)

**33 05 83 00-0002 Steps For Cast-In-Place Manholes** (33 05 83 00-0001)

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 83 00-0003	EA	Polypropylene Manhole Step For New Manholes .....	47.25	
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**33 05 83 00-0004 Rainguard Inflow Protectors** (33 05 83)

33 05 83 00-0005	EA	18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors .....	125.67	20.32
33 05 83 00-0006	EA	22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors .....	147.43	20.32
33 05 83 00-0007	EA	24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors .....	176.24	24.39
33 05 83 00-0008	EA	26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors .....	189.99	24.39
33 05 83 00-0009	EA	30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors .....	236.89	28.45
33 05 83 00-0010	EA	32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors .....	253.78	28.45

**33 05 84 Accessories for Utility Structures** (33 05)

See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

**33 05 84 00-0001 Manhole Accessories** (33 05 84)

**33 Utilities****33 05 Common Work Results for Utilities****33 05 84 Accessories for Utility Structures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 05 84 00-0002	Precast Concrete Manhole Tops <small>(33 05 84 00-0001)</small>		
33 05 84 00-0003	Precast Concrete Manhole Slab Tops <small>(33 05 84 00-0002)</small>		
33 05 84 00-0004	EA 3' Diameter x 8" Thick Precast Manhole Top Slab.....	578.07	74.48
33 05 84 00-0005	EA 4' Diameter x 8" Thick Precast Manhole Top Slab.....	820.57	80.44
33 05 84 00-0006	EA 5' Diameter x 8" Thick Precast Manhole Top Slab.....	1,122.21	86.41
33 05 84 00-0007	EA 6' Diameter x 8" Thick Precast Manhole Top Slab.....	1,349.32	92.36
33 05 84 00-0008	Precast Concrete Manhole Cone Tops <small>(33 05 84 00-0002)</small>		
33 05 84 00-0009	EA 3' Diameter x 8" Thick Precast Manhole Top Cone.....	932.68	93.11
33 05 84 00-0010	EA 3'-6" Diameter x 8" Thick Precast Manhole Top Cone.....	1,040.95	96.83
33 05 84 00-0011	EA 4' Diameter x 8" Thick Precast Manhole Top Cone.....	1,149.23	100.56
33 05 84 00-0012	EA 5' Diameter x 8" Thick Precast Manhole Top Cone.....	1,360.79	106.76
33 05 84 00-0013	EA 6' Diameter x 8" Thick Precast Manhole Top Cone.....	1,577.35	114.21
33 05 84 00-0014	EA 7' Diameter x 8" Thick Precast Manhole Top Cone.....	2,530.17	121.66
33 05 84 00-0015	EA 8' Diameter x 10" Thick Precast Manhole Top Cone.....	3,187.33	134.07
33 05 84 00-0016	Precast Concrete Manhole Reducer Slabs <small>(33 05 84 00-0002)</small>		
33 05 84 00-0017	EA 5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	1,079.81	86.41
33 05 84 00-0018	EA 6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	1,384.91	92.36
33 05 84 00-0019	EA 7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	1,819.52	92.36
33 05 84 00-0020	EA 8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	2,863.76	92.36
33 05 84 00-0021	EA 10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	3,676.15	92.36
33 05 84 00-0022	EA 12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	5,312.08	92.36
33 05 84 00-0023	Pipe To Manhole Connector <small>(33 05 84 00-0001)</small>		
33 05 84 00-0024	Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors <small>(33 05 84 00-0023)</small>		
33 05 84 00-0025	EA 4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	77.18	
33 05 84 00-0026	EA 6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	113.08	
33 05 84 00-0027	EA 8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	127.50	
33 05 84 00-0028	EA 10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	191.96	
33 05 84 00-0029	EA 12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	267.90	
33 05 84 00-0030	EA 15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	354.92	
33 05 84 00-0031	EA 18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	637.13	
33 05 84 00-0032	EA 21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	884.31	
33 05 84 00-0033	EA 24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,392.28	
33 05 84 00-0034	EA 27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,640.17	
33 05 84 00-0035	Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout <small>(33 05 84 00-0023)</small>		
	Note: Fernco CMA.		
33 05 84 00-0036	EA 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	104.31	
33 05 84 00-0037	EA 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	145.13	
33 05 84 00-0038	EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	183.45	
33 05 84 00-0039	EA 10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	221.59	
33 05 84 00-0040	EA 12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	257.00	
33 05 84 00-0041	Brick And Grout Pipe To Manhole Connector <small>(33 05 84 00-0023)</small>		
33 05 84 00-0042	EA Seal Gap Between Pipe And Structure With Brick And Grout.....	274.44	
33 05 84 00-0043	Inverts For Manholes <small>(33 05 84 00-0001)</small>		
33 05 84 00-0044	EA Single Channel Concrete Invert For Manholes.....	416.38	
33 05 84 00-0045	EA Double Channel Concrete Invert For Manholes.....	604.39	
33 05 84 00-0046	EA Triple Channel Concrete Invert For Manholes.....	812.64	
33 05 84 00-0047	EA Quad Channel Concrete Invert For Manholes.....	1,020.84	
33 05 84 00-0048	EA Single Channel Brick Invert For Manholes.....	612.14	
33 05 84 00-0049	EA Double Channel Brick Invert For Manholes.....	916.69	
33 05 84 00-0050	EA Triple Channel Brick Invert For Manholes.....	1,226.54	
33 05 84 00-0051	EA Quad Channel Brick Invert For Manholes.....	1,532.55	
33 05 84 00-0052	Protective Coating For New Manholes <small>(33 05 84 00-0001)</small>		
33 05 84 00-0053	Polyurethane Protective Coating For New Manholes <small>(33 05 84 00-0052)</small>		
33 05 84 00-0054	VLF 60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior.....	195.75	
	For 80 Mil Material, Add	29.37	
	For 100 Mil Material, Add	58.74	
	For 125 Mil Material, Add	92.85	
	For 150 Mil Material, Add	126.96	
	For 200 Mil Material, Add	188.23	
	For 2 To 5 Manholes, Deduct	-13.26	
	For 6 To 10 Manholes, Deduct	-21.63	
	For >10 Manholes, Deduct	-43.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0055 VLF 60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior.....	236.14	
<i>For 80 Mil Material, Add</i>	34.86	
<i>For 100 Mil Material, Add</i>	69.72	
<i>For 125 Mil Material, Add</i>	110.12	
<i>For 150 Mil Material, Add</i>	150.51	
<i>For 200 Mil Material, Add</i>	222.81	
<i>For 2 To 5 Manholes, Deduct</i>	-16.05	
<i>For 6 To 10 Manholes, Deduct</i>	-26.20	
<i>For &gt;10 Manholes, Deduct</i>	-52.40	
33 05 84 00-0056 VLF 60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior.....	260.99	
<i>For 80 Mil Material, Add</i>	39.16	
<i>For 100 Mil Material, Add</i>	78.32	
<i>For 125 Mil Material, Add</i>	123.79	
<i>For 150 Mil Material, Add</i>	169.27	
<i>For 200 Mil Material, Add</i>	250.96	
<i>For 2 To 5 Manholes, Deduct</i>	-17.68	
<i>For 6 To 10 Manholes, Deduct</i>	-28.83	
<i>For &gt;10 Manholes, Deduct</i>	-57.67	
33 05 84 00-0057 VLF 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior.....	326.31	
<i>For 80 Mil Material, Add</i>	48.97	
<i>For 100 Mil Material, Add</i>	97.94	
<i>For 125 Mil Material, Add</i>	154.81	
<i>For 150 Mil Material, Add</i>	211.68	
<i>For 200 Mil Material, Add</i>	313.84	
<i>For 2 To 5 Manholes, Deduct</i>	-22.10	
<i>For 6 To 10 Manholes, Deduct</i>	-36.05	
<i>For &gt;10 Manholes, Deduct</i>	-72.10	
33 05 84 00-0058 VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior.....	379.21	
<i>For 80 Mil Material, Add</i>	57.83	
<i>For 100 Mil Material, Add</i>	115.66	
<i>For 125 Mil Material, Add</i>	182.97	
<i>For 150 Mil Material, Add</i>	250.29	
<i>For 200 Mil Material, Add</i>	371.64	
<i>For 2 To 5 Manholes, Deduct</i>	-25.60	
<i>For 6 To 10 Manholes, Deduct</i>	-41.71	
<i>For &gt;10 Manholes, Deduct</i>	-83.43	
<b>33 05 84 00-0059 Polyvinyl Chloride (PVC) Liner</b> <small>(33 05 84 00-0052)</small>		
<i>Note: For new manholes and shop applied.</i>		
33 05 84 00-0060 VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	267.33	
33 05 84 00-0061 VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	327.69	
33 05 84 00-0062 VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	399.90	
33 05 84 00-0063 VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	502.20	
33 05 84 00-0064 VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	604.50	
33 05 84 00-0065 SF Polyvinyl Chloride (PVC) Liner At Structures.....	37.00	
<b>33 05 84 00-0066 Concrete Grade Extensions/Grade Rings</b> <small>(33 05 84 00-0001)</small>		
<b>33 05 84 00-0067 18" Diameter, Concrete Grade Extensions/Grade Rings</b> <small>(33 05 84 00-0066)</small>		
33 05 84 00-0068 EA 4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings.....	84.42	
33 05 84 00-0069 EA 6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....	92.37	
33 05 84 00-0070 EA 8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....	100.32	
33 05 84 00-0071 EA 10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....	108.27	
<b>33 05 84 00-0072 24" Diameter, Concrete Grade Extensions/Grade Rings</b> <small>(33 05 84 00-0066)</small>		
33 05 84 00-0073 EA 4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	94.81	
33 05 84 00-0074 EA 6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	103.84	
33 05 84 00-0075 EA 8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	112.87	
33 05 84 00-0076 EA 10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	121.90	
<b>33 05 84 00-0077 30" Diameter, Concrete Grade Extensions/Grade Rings</b> <small>(33 05 84 00-0066)</small>		
33 05 84 00-0078 EA 4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....	104.98	
33 05 84 00-0079 EA 6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....	115.05	
33 05 84 00-0080 EA 8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....	125.12	
33 05 84 00-0081 EA 10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....	135.19	
<b>33 05 84 00-0082 Bentonite Collar</b> <small>(33 05 84 00-0001)</small>		
<b>33 05 84 00-0083 Bentonite Collar At Manhole Connections</b> <small>(33 05 84 00-0082)</small>		
33 05 84 00-0084 EA Up To 12" Pipe, Bentonite Collar At Manhole Connection.....	136.84	
33 05 84 00-0085 EA >12" To 21", Bentonite Collar At Manhole Connection.....	216.69	
33 05 84 00-0086 EA >21" To 30" Pipe, Bentonite Collar At Manhole Connection.....	342.48	
33 05 84 00-0087 EA >30" To 36" Pipe, Bentonite Collar At Manhole Connection.....	799.52	
33 05 84 00-0088 EA >36" To 48" Pipe, Bentonite Collar At Manhole Connection.....	1,254.02	
33 05 84 00-0089 EA >48" To 60" Pipe, Bentonite Collar At Manhole Connection.....	2,279.32	
<b>33 05 84 00-0090 Waste Water Collection System Taps</b> <small>(33 05 84)</small>		
<i>Note: For tapping existing structures only. Includes grout.</i>		

**33 Utilities****33 05 Common Work Results for Utilities****33 05 84 Accessories for Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 05 84 00-0091</b> <b>Brick Manhole Taps</b> <small>(33 05 84 00-0090)</small>		
33 05 84 00-0092    EA    4" Tap In 6" Brick Manhole.....	509.59	
33 05 84 00-0093    EA    6" Tap In 6" Brick Manhole.....	570.00	
33 05 84 00-0094    EA    8" Tap In 6" Brick Manhole.....	629.33	
33 05 84 00-0095    EA    10" Tap In 6" Brick Manhole.....	688.54	
33 05 84 00-0096    EA    12" Tap In 6" Brick Manhole.....	758.51	
33 05 84 00-0097    EA    15" Tap In 6" Brick Manhole.....	817.60	
<b>33 05 84 00-0098</b> <b>Precast Concrete Manhole Tap</b> <small>(33 05 84 00-0090)</small>		
33 05 84 00-0099    EA    4" Tap In Existing Precast Concrete Manhole.....	756.05	
33 05 84 00-0100    EA    6" Tap In Existing Precast Concrete Manhole.....	846.65	
33 05 84 00-0101    EA    8" Tap In Existing Precast Concrete Manhole.....	947.22	
33 05 84 00-0102    EA    10" Tap In Existing Precast Concrete Manhole.....	1,036.03	
33 05 84 00-0103    EA    12" Tap In Existing Precast Concrete Manhole.....	1,124.68	
33 05 84 00-0104    EA    15" Tap In Existing Precast Concrete Manhole.....	1,215.46	
33 05 84 00-0105    EA    18" Tap In Existing Precast Concrete Manhole.....	1,400.73	
33 05 84 00-0106    EA    24" Tap In Existing Precast Concrete Manhole.....	1,801.74	
<b>33 05 97</b> <b>Identification and Signage for Utilities</b> <small>(33 05)</small>		
<b>33 05 97 23</b> <b>Utility Identification Warning Tape</b> <small>(33 05 97)</small>		
<b>33 05 97 23-0001</b> <b>Non-Detectable Utility Warning Tape</b> <small>(33 05 97 23)</small>		
Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0002    CLF    3" Non-Detectable Utility Warning Tape.....	7.30	
33 05 97 23-0003    CLF    6" Non-Detectable Utility Warning Tape.....	10.37	
<b>33 05 97 23-0004</b> <b>Detectable Utility Warning Tape</b> <small>(33 05 97 23)</small>		
Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0005    CLF    2" Detectable Utility Warning Tape.....	7.44	
33 05 97 23-0006    CLF    3" Detectable Utility Warning Tape.....	10.23	
33 05 97 23-0007    CLF    6" Detectable Utility Warning Tape.....	16.54	
<b>33 10</b> <b>Water Utilities</b> <small>(33)</small>		
<b>33 11</b> <b>Groundwater Sources</b> <small>(33 10)</small>		
<b>33 11 13</b> <b>Potable Water Supply Wells</b> <small>(33 11)</small>		
<b>33 11 13 00-0001</b> <b>Drill And Test Water Well</b> <small>(33 11 13)</small>		
<b>33 11 13 00-0002</b> <b>Drill Hole</b> <small>(33 11 13 00-0001)</small>		
Note: Excludes loading and hauling of spoils.		
<b>33 11 13 00-0003</b> <b>Mobilization And Demobilization</b> <small>(33 11 13 00-0002)</small>		
33 11 13 00-0004    EA    Up To 12" Diameter, Well Drilling Mobilization And Demobilization.....	1,044.86	
33 11 13 00-0005    EA    >12" To 24" Diameter, Well Drilling Mobilization And Demobilization.....	1,267.94	
33 11 13 00-0006    EA    >24" To 36" Diameter, Well Drilling Mobilization And Demobilization.....	1,901.91	
<b>33 11 13 00-0007</b> <b>Drill Hole In Normal Soil, Sand, Gravel, O.B.</b> <small>(33 11 13 00-0002)</small>		
Note: Excludes well casing, gravel or materials.		
33 11 13 00-0008    LF    Up To 6" Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	24.57	
For >100 To 250, Add	0.61	
For >250 To 400, Add	1.23	
For >400 To 600, Add	1.84	
For >600 To 750, Add	2.46	
For >750, Add	3.07	
33 11 13 00-0009    LF    8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	29.16	
For >100 To 250, Add	0.73	
For >250 To 400, Add	1.46	
For >400 To 600, Add	2.19	
For >600 To 750, Add	2.92	
For >750, Add	3.65	
33 11 13 00-0010    LF    10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	38.99	
For >100 To 250, Add	0.97	
For >250 To 400, Add	1.95	
For >400 To 600, Add	2.92	
For >600 To 750, Add	3.90	
For >750, Add	4.87	
33 11 13 00-0011    LF    12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	61.02	
For >100 To 250, Add	1.53	
For >250 To 400, Add	3.05	
For >400 To 600, Add	4.58	
For >600 To 750, Add	6.10	
For >750, Add	7.63	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0012 LF 14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	87.81	
For >100 To 250, Add	2.20	
For >250 To 400, Add	4.39	
For >400 To 600, Add	6.59	
For >600 To 750, Add	8.78	
For >750, Add	10.98	
33 11 13 00-0013 LF 16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	114.75	
For >100 To 250, Add	2.87	
For >250 To 400, Add	5.74	
For >400 To 600, Add	8.61	
For >600 To 750, Add	11.48	
For >750, Add	14.34	
33 11 13 00-0014 LF 18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	136.30	
For >100 To 250, Add	3.41	
For >250 To 400, Add	6.82	
For >400 To 600, Add	10.22	
For >600 To 750, Add	13.63	
For >750, Add	17.04	
33 11 13 00-0015 LF 20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	158.49	
For >100 To 250, Add	3.96	
For >250 To 400, Add	7.92	
For >400 To 600, Add	11.89	
For >600 To 750, Add	15.85	
For >750, Add	19.81	
33 11 13 00-0016 LF 22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	186.23	
For >100 To 250, Add	4.66	
For >250 To 400, Add	9.31	
For >400 To 600, Add	13.97	
For >600 To 750, Add	18.62	
For >750, Add	23.28	
33 11 13 00-0017 LF 24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	219.52	
For >100 To 250, Add	5.49	
For >250 To 400, Add	10.98	
For >400 To 600, Add	16.46	
For >600 To 750, Add	21.95	
For >750, Add	27.44	
33 11 13 00-0018 LF 26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	237.26	
For >100 To 250, Add	5.93	
For >250 To 400, Add	11.86	
For >400 To 600, Add	17.79	
For >600 To 750, Add	23.73	
For >750, Add	29.66	
33 11 13 00-0019 LF 28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	261.04	
For >100 To 250, Add	6.53	
For >250 To 400, Add	13.05	
For >400 To 600, Add	19.58	
For >600 To 750, Add	26.10	
For >750, Add	32.63	
33 11 13 00-0020 LF 30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	285.92	
For >100 To 250, Add	7.15	
For >250 To 400, Add	14.30	
For >400 To 600, Add	21.44	
For >600 To 750, Add	28.59	
For >750, Add	35.74	
33 11 13 00-0021 LF 36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	355.66	
For >100 To 250, Add	8.89	
For >250 To 400, Add	17.78	
For >400 To 600, Add	26.67	
For >600 To 750, Add	35.57	
For >750, Add	44.46	
<b>33 11 13 00-0022 Drill Hole In Sedimentary Rock <small>(33 11 13 00-0002)</small></b>		
33 11 13 00-0023 LF 6" Water Well Hole Drilled In Sedimentary Rock .....	50.09	
For >100 To 250, Add	1.25	
For >250 To 400, Add	2.50	
For >400 To 600, Add	3.76	
For >600 To 750, Add	5.01	
For >750, Add	6.26	
33 11 13 00-0024 LF 8" Water Well Hole Drilled In Sedimentary Rock .....	58.32	
For >100 To 250, Add	1.46	
For >250 To 400, Add	2.92	
For >400 To 600, Add	4.37	
For >600 To 750, Add	5.83	
For >750, Add	7.29	
33 11 13 00-0025 LF 10" Water Well Hole Drilled In Sedimentary Rock .....	93.38	
For >100 To 250, Add	2.33	
For >250 To 400, Add	4.67	
For >400 To 600, Add	7.00	
For >600 To 750, Add	9.34	
For >750, Add	11.67	

<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 11</b>	<b>Groundwater Sources</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0026 LF 12" Water Well Hole Drilled In Sedimentary Rock .....	122.10	
For >100 To 250, Add	3.05	
For >250 To 400, Add	6.11	
For >400 To 600, Add	9.16	
For >600 To 750, Add	12.21	
For >750, Add	15.26	
33 11 13 00-0027 LF 14" Water Well Hole Drilled In Sedimentary Rock .....	175.74	
For >100 To 250, Add	4.39	
For >250 To 400, Add	8.79	
For >400 To 600, Add	13.18	
For >600 To 750, Add	17.57	
For >750, Add	21.97	
33 11 13 00-0028 LF 16" Water Well Hole Drilled In Sedimentary Rock .....	229.37	
For >100 To 250, Add	5.73	
For >250 To 400, Add	11.47	
For >400 To 600, Add	17.20	
For >600 To 750, Add	22.94	
For >750, Add	28.67	
33 11 13 00-0029 LF 18" Water Well Hole Drilled In Sedimentary Rock .....	272.73	
For >100 To 250, Add	6.82	
For >250 To 400, Add	13.64	
For >400 To 600, Add	20.45	
For >600 To 750, Add	27.27	
For >750, Add	34.09	
33 11 13 00-0030 LF 20" Water Well Hole Drilled In Sedimentary Rock .....	316.47	
For >100 To 250, Add	7.91	
For >250 To 400, Add	15.82	
For >400 To 600, Add	23.74	
For >600 To 750, Add	31.65	
For >750, Add	39.56	
33 11 13 00-0031 LF 22" Water Well Hole Drilled In Sedimentary Rock .....	372.77	
For >100 To 250, Add	9.32	
For >250 To 400, Add	18.64	
For >400 To 600, Add	27.96	
For >600 To 750, Add	37.28	
For >750, Add	46.60	
33 11 13 00-0032 LF 24" Water Well Hole Drilled In Sedimentary Rock .....	430.59	
For >100 To 250, Add	10.76	
For >250 To 400, Add	21.53	
For >400 To 600, Add	32.29	
For >600 To 750, Add	43.06	
For >750, Add	53.82	
33 11 13 00-0033 LF 26" Water Well Hole Drilled In Sedimentary Rock .....	474.53	
For >100 To 250, Add	11.86	
For >250 To 400, Add	23.73	
For >400 To 600, Add	35.59	
For >600 To 750, Add	47.45	
For >750, Add	59.32	
33 11 13 00-0034 LF 28" Water Well Hole Drilled In Sedimentary Rock .....	522.07	
For >100 To 250, Add	13.05	
For >250 To 400, Add	26.10	
For >400 To 600, Add	39.16	
For >600 To 750, Add	52.21	
For >750, Add	65.26	
33 11 13 00-0035 LF 30" Water Well Hole Drilled In Sedimentary Rock .....	571.84	
For >100 To 250, Add	14.30	
For >250 To 400, Add	28.59	
For >400 To 600, Add	42.89	
For >600 To 750, Add	57.18	
For >750, Add	71.48	
33 11 13 00-0036 LF 36" Water Well Hole Drilled In Sedimentary Rock .....	711.32	
For >100 To 250, Add	17.78	
For >250 To 400, Add	35.57	
For >400 To 600, Add	53.35	
For >600 To 750, Add	71.13	
For >750, Add	88.92	
<b>33 11 13 00-0037</b> Drill Hole In Crystalline Rock <small>(33 11 13 00-0002)</small> .....		
33 11 13 00-0038 LF 6" Water Well Hole Drilled In Crystalline Rock .....	103.02	
For >100 To 250, Add	2.58	
For >250 To 400, Add	5.15	
For >400 To 600, Add	7.73	
For >600 To 750, Add	10.30	
For >750, Add	12.88	
33 11 13 00-0039 LF 8" Water Well Hole Drilled In Crystalline Rock .....	118.87	
For >100 To 250, Add	2.97	
For >250 To 400, Add	5.94	
For >400 To 600, Add	8.92	
For >600 To 750, Add	11.89	
For >750, Add	14.86	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0040 LF 10" Water Well Hole Drilled In Crystalline Rock.....	136.30	
For >100 To 250, Add	3.41	
For >250 To 400, Add	6.82	
For >400 To 600, Add	10.22	
For >600 To 750, Add	13.63	
For >750, Add	17.04	
33 11 13 00-0041 LF 12" Water Well Hole Drilled In Crystalline Rock.....	172.76	
For >100 To 250, Add	4.32	
For >250 To 400, Add	8.64	
For >400 To 600, Add	12.96	
For >600 To 750, Add	17.28	
For >750, Add	21.60	
33 11 13 00-0042 LF 14" Water Well Hole Drilled In Crystalline Rock.....	223.48	
For >100 To 250, Add	5.59	
For >250 To 400, Add	11.17	
For >400 To 600, Add	16.76	
For >600 To 750, Add	22.35	
For >750, Add	27.94	
33 11 13 00-0043 LF 16" Water Well Hole Drilled In Crystalline Rock.....	324.91	
For >100 To 250, Add	8.12	
For >250 To 400, Add	16.25	
For >400 To 600, Add	24.37	
For >600 To 750, Add	32.49	
For >750, Add	40.61	
33 11 13 00-0044 LF 18" Water Well Hole Drilled In Crystalline Rock.....	386.72	
For >100 To 250, Add	9.67	
For >250 To 400, Add	19.34	
For >400 To 600, Add	29.00	
For >600 To 750, Add	38.67	
For >750, Add	48.34	
33 11 13 00-0045 LF 20" Water Well Hole Drilled In Crystalline Rock.....	448.53	
For >100 To 250, Add	11.21	
For >250 To 400, Add	22.43	
For >400 To 600, Add	33.64	
For >600 To 750, Add	44.85	
For >750, Add	56.07	
33 11 13 00-0046 LF 22" Water Well Hole Drilled In Crystalline Rock.....	527.78	
For >100 To 250, Add	13.19	
For >250 To 400, Add	26.39	
For >400 To 600, Add	39.58	
For >600 To 750, Add	52.78	
For >750, Add	65.97	
33 11 13 00-0047 LF 24" Water Well Hole Drilled In Crystalline Rock.....	610.19	
For >100 To 250, Add	15.25	
For >250 To 400, Add	30.51	
For >400 To 600, Add	45.76	
For >600 To 750, Add	61.02	
For >750, Add	76.27	
<b>33 11 13 00-0048 Furnish And Install Casing (33 11 13 00-0001)</b>		
Note: Excludes drilling of hole.		
<b>33 11 13 00-0049 Steel Well Casing (33 11 13 00-0048)</b>		
33 11 13 00-0050 LF 6" Diameter, Steel Well Casing, Flush.....	41.97	
For >100 To 250, Deduct	-1.25	
For >250 To 400, Deduct	-2.30	
For >400 To 600, Deduct	-3.44	
For >600 To 750, Deduct	-4.59	
For >750, Deduct	-6.00	
33 11 13 00-0051 LF 8" Diameter, Steel Well Casing, Flush.....	52.18	
For >100 To 250, Deduct	-1.55	
For >250 To 400, Deduct	-2.86	
For >400 To 600, Deduct	-4.29	
For >600 To 750, Deduct	-5.71	
For >750, Deduct	-7.46	
33 11 13 00-0052 LF 10" Diameter, Steel Well Casing, Flush.....	77.51	
For >100 To 250, Deduct	-2.24	
For >250 To 400, Deduct	-4.17	
For >400 To 600, Deduct	-6.26	
For >600 To 750, Deduct	-8.35	
For >750, Deduct	-10.82	
33 11 13 00-0053 LF 12" Diameter, Steel Well Casing, Flush.....	130.53	
For >100 To 250, Deduct	-3.62	
For >250 To 400, Deduct	-6.88	
For >400 To 600, Deduct	-10.32	
For >600 To 750, Deduct	-13.77	
For >750, Deduct	-17.67	
33 11 13 00-0054 LF 14" Diameter, Steel Well Casing, Flush.....	146.08	
For >100 To 250, Deduct	-4.15	
For >250 To 400, Deduct	-7.80	
For >400 To 600, Deduct	-11.70	
For >600 To 750, Deduct	-15.60	
For >750, Deduct	-20.14	

<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 11</b>	<b>Groundwater Sources</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0055 LF 16" Diameter, Steel Well Casing, Flush.....	171.38	
For >100 To 250, Deduct	-4.90	
For >250 To 400, Deduct	-9.18	
For >400 To 600, Deduct	-13.77	
For >600 To 750, Deduct	-18.37	
For >750, Deduct	-23.76	
33 11 13 00-0056 LF 18" Diameter, Steel Well Casing, Flush.....	195.30	
For >100 To 250, Deduct	-5.66	
For >250 To 400, Deduct	-10.54	
For >400 To 600, Deduct	-15.81	
For >600 To 750, Deduct	-21.08	
For >750, Deduct	-27.35	
33 11 13 00-0057 LF 20" Diameter, Steel Well Casing, Flush.....	222.42	
For >100 To 250, Deduct	-6.51	
For >250 To 400, Deduct	-12.07	
For >400 To 600, Deduct	-18.11	
For >600 To 750, Deduct	-24.14	
For >750, Deduct	-31.42	
33 11 13 00-0058 LF 24" Diameter, Steel Well Casing, Flush.....	260.10	
For >100 To 250, Deduct	-7.57	
For >250 To 400, Deduct	-14.08	
For >400 To 600, Deduct	-21.11	
For >600 To 750, Deduct	-28.15	
For >750, Deduct	-36.58	
33 11 13 00-0059 LB Steel Well Casing, Furnish And Install.....	1.34	
For >100 To 250, Deduct	-0.05	
For >250 To 400, Deduct	-0.08	
For >400 To 600, Deduct	-0.12	
For >600 To 750, Deduct	-0.16	
For >750, Deduct	-0.22	
<b>33 11 13 00-0060 Stainless Steel Well Casing, Flush Threaded</b> (33 11 13 00-0048)		
33 11 13 00-0061 LF 6" Diameter, Stainless Steel Well Casing, Flush.....	89.23	
For >100 To 250, Deduct	-2.43	
For >250 To 400, Deduct	-4.66	
For >400 To 600, Deduct	-6.99	
For >600 To 750, Deduct	-9.32	
For >750, Deduct	-11.91	
33 11 13 00-0062 LF 8" Diameter, Stainless Steel Well Casing, Flush.....	134.39	
For >100 To 250, Deduct	-3.61	
For >250 To 400, Deduct	-6.97	
For >400 To 600, Deduct	-10.45	
For >600 To 750, Deduct	-13.93	
For >750, Deduct	-17.74	
33 11 13 00-0063 LF 10" Diameter, Stainless Steel Well Casing, Flush.....	187.99	
For >100 To 250, Deduct	-5.02	
For >250 To 400, Deduct	-9.72	
For >400 To 600, Deduct	-14.57	
For >600 To 750, Deduct	-19.43	
For >750, Deduct	-24.70	
33 11 13 00-0064 LF 12" Diameter, Stainless Steel Well Casing, Flush.....	218.57	
For >100 To 250, Deduct	-5.84	
For >250 To 400, Deduct	-11.31	
For >400 To 600, Deduct	-16.96	
For >600 To 750, Deduct	-22.61	
For >750, Deduct	-28.75	
<b>33 11 13 00-0065 Stainless Steel Well Casing, Welded Ring</b> (33 11 13 00-0048)		
33 11 13 00-0066 LF 10" Diameter, Stainless Steel Well Casing, Welded.....	197.51	
For >100 To 250, Deduct	-5.49	
For >250 To 400, Deduct	-10.43	
For >400 To 600, Deduct	-15.65	
For >600 To 750, Deduct	-20.86	
For >750, Deduct	-26.80	
33 11 13 00-0067 LF 12" Diameter, Stainless Steel Well Casing, Welded.....	228.88	
For >100 To 250, Deduct	-6.36	
For >250 To 400, Deduct	-12.08	
For >400 To 600, Deduct	-18.12	
For >600 To 750, Deduct	-24.16	
For >750, Deduct	-31.02	
33 11 13 00-0068 LF 14" Diameter, Stainless Steel Well Casing, Welded.....	275.43	
For >100 To 250, Deduct	-7.60	
For >250 To 400, Deduct	-14.49	
For >400 To 600, Deduct	-21.73	
For >600 To 750, Deduct	-28.97	
For >750, Deduct	-37.14	
33 11 13 00-0069 LF 16" Diameter, Stainless Steel Well Casing, Welded.....	315.42	
For >100 To 250, Deduct	-8.70	
For >250 To 400, Deduct	-16.58	
For >400 To 600, Deduct	-24.88	
For >600 To 750, Deduct	-33.17	
For >750, Deduct	-42.52	





<b>Utilities</b>	<b>33</b>	<b>CS</b>
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0070 LF 18" Diameter, Stainless Steel Well Casing, Welded .....	348.03	
For >100 To 250, Deduct	-9.63	
For >250 To 400, Deduct	-18.33	
For >400 To 600, Deduct	-27.50	
For >600 To 750, Deduct	-36.67	
For >750, Deduct	-47.04	
33 11 13 00-0071 LF 20" Diameter, Stainless Steel Well Casing, Welded .....	456.91	
For >100 To 250, Deduct	-12.53	
For >250 To 400, Deduct	-23.96	
For >400 To 600, Deduct	-35.93	
For >600 To 750, Deduct	-47.91	
For >750, Deduct	-61.33	
33 11 13 00-0072 LF 24" Diameter, Stainless Steel Well Casing, Welded .....	602.59	
For >100 To 250, Deduct	-16.45	
For >250 To 400, Deduct	-31.52	
For >400 To 600, Deduct	-47.28	
For >600 To 750, Deduct	-63.03	
For >750, Deduct	-80.60	
<b>33 11 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80</b> (33 11 13 00-0048)		
33 11 13 00-0074 LF 6" Polyvinyl Chloride (PVC) Well Casing .....	38.70	
For >100 To 250, Deduct	-1.13	
For >250 To 400, Deduct	-2.09	
For >400 To 600, Deduct	-3.14	
For >600 To 750, Deduct	-4.19	
For >750, Deduct	-5.44	
33 11 13 00-0075 LF 8" Polyvinyl Chloride (PVC) Well Casing .....	61.43	
For >100 To 250, Deduct	-1.78	
For >250 To 400, Deduct	-3.32	
For >400 To 600, Deduct	-4.98	
For >600 To 750, Deduct	-6.64	
For >750, Deduct	-8.62	
33 11 13 00-0076 LF 10" Polyvinyl Chloride (PVC) Well Casing .....	92.85	
For >100 To 250, Deduct	-2.70	
For >250 To 400, Deduct	-5.02	
For >400 To 600, Deduct	-7.53	
For >600 To 750, Deduct	-10.04	
For >750, Deduct	-13.04	
33 11 13 00-0077 LF 12" Polyvinyl Chloride (PVC) Well Casing .....	109.60	
For >100 To 250, Deduct	-3.20	
For >250 To 400, Deduct	-5.94	
For >400 To 600, Deduct	-8.90	
For >600 To 750, Deduct	-11.87	
For >750, Deduct	-15.43	
<b>33 11 13 00-0078 Furnish And Install Well Screen Assembly</b> (33 11 13 00-0001)		
<b>33 11 13 00-0079 Stainless Steel Well Screen</b> (33 11 13 00-0078)		
33 11 13 00-0080 LF 2" Stainless Steel Well Screen .....	26.54	1.59
For >100 To 250, Deduct	-0.87	
For >250 To 400, Deduct	-1.53	
For >400 To 600, Deduct	-2.30	
For >600 To 750, Deduct	-3.06	
For >750, Deduct	-4.09	
33 11 13 00-0081 LF 3" Stainless Steel Well Screen .....	43.03	1.59
For >100 To 250, Deduct	-1.30	
For >250 To 400, Deduct	-2.37	
For >400 To 600, Deduct	-3.56	
For >600 To 750, Deduct	-4.74	
For >750, Deduct	-6.21	
33 11 13 00-0082 LF 4" Stainless Steel Well Screen .....	54.04	2.38
For >100 To 250, Deduct	-1.63	
For >250 To 400, Deduct	-2.98	
For >400 To 600, Deduct	-4.47	
For >600 To 750, Deduct	-5.96	
For >750, Deduct	-7.81	
33 11 13 00-0083 LF 5" Stainless Steel Well Screen .....	68.51	2.38
For >100 To 250, Deduct	-2.04	
For >250 To 400, Deduct	-3.76	
For >400 To 600, Deduct	-5.63	
For >600 To 750, Deduct	-7.51	
For >750, Deduct	-9.82	
33 11 13 00-0084 LF 6" Stainless Steel Well Screen .....	81.75	3.17
For >100 To 250, Deduct	-2.48	
For >250 To 400, Deduct	-4.53	
For >400 To 600, Deduct	-6.79	
For >600 To 750, Deduct	-9.06	
For >750, Deduct	-11.89	
33 11 13 00-0085 LF 8" Stainless Steel Well Screen .....	106.81	3.97
For >100 To 250, Deduct	-3.23	
For >250 To 400, Deduct	-5.90	
For >400 To 600, Deduct	-8.86	
For >600 To 750, Deduct	-11.81	
For >750, Deduct	-15.49	

<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 11</b>	<b>Groundwater Sources</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0086	LF		10" Stainless Steel Well Screen.....	135.14	6.35
			<i>For &gt;100 To 250, Deduct</i>	-4.14	
			<i>For &gt;250 To 400, Deduct</i>	-7.52	
			<i>For &gt;400 To 600, Deduct</i>	-11.28	
			<i>For &gt;600 To 750, Deduct</i>	-15.03	
			<i>For &gt;750, Deduct</i>	-19.78	
33 11 13 00-0087	LF		12" Stainless Steel Well Screen.....	158.59	7.92
			<i>For &gt;100 To 250, Deduct</i>	-4.85	
			<i>For &gt;250 To 400, Deduct</i>	-8.82	
			<i>For &gt;400 To 600, Deduct</i>	-13.23	
			<i>For &gt;600 To 750, Deduct</i>	-17.64	
			<i>For &gt;750, Deduct</i>	-23.20	
33 11 13 00-0088	LF		14" Stainless Steel Well Screen.....	173.67	8.72
			<i>For &gt;100 To 250, Deduct</i>	-5.36	
			<i>For &gt;250 To 400, Deduct</i>	-9.71	
			<i>For &gt;400 To 600, Deduct</i>	-14.56	
			<i>For &gt;600 To 750, Deduct</i>	-19.41	
			<i>For &gt;750, Deduct</i>	-25.59	
33 11 13 00-0089	LF		16" Stainless Steel Well Screen.....	187.60	10.30
			<i>For &gt;100 To 250, Deduct</i>	-5.84	
			<i>For &gt;250 To 400, Deduct</i>	-10.53	
			<i>For &gt;400 To 600, Deduct</i>	-15.79	
			<i>For &gt;600 To 750, Deduct</i>	-21.06	
			<i>For &gt;750, Deduct</i>	-27.82	
33 11 13 00-0090	LF		18" Stainless Steel Well Screen.....	224.85	11.89
			<i>For &gt;100 To 250, Deduct</i>	-7.04	
			<i>For &gt;250 To 400, Deduct</i>	-12.66	
			<i>For &gt;400 To 600, Deduct</i>	-18.99	
			<i>For &gt;600 To 750, Deduct</i>	-25.32	
			<i>For &gt;750, Deduct</i>	-33.49	
33 11 13 00-0091	LF		20" Stainless Steel Well Screen.....	283.65	15.06
			<i>For &gt;100 To 250, Deduct</i>	-8.87	
			<i>For &gt;250 To 400, Deduct</i>	-15.96	
			<i>For &gt;400 To 600, Deduct</i>	-23.94	
			<i>For &gt;600 To 750, Deduct</i>	-31.92	
			<i>For &gt;750, Deduct</i>	-42.22	
33 11 13 00-0092	LF		24" Stainless Steel Well Screen.....	367.74	19.82
			<i>For &gt;100 To 250, Deduct</i>	-11.53	
			<i>For &gt;250 To 400, Deduct</i>	-20.72	
			<i>For &gt;400 To 600, Deduct</i>	-31.08	
			<i>For &gt;600 To 750, Deduct</i>	-41.44	
			<i>For &gt;750, Deduct</i>	-54.83	
33 11 13 00-0093	LF		26" Stainless Steel Well Screen.....	424.45	22.99
			<i>For &gt;100 To 250, Deduct</i>	-13.25	
			<i>For &gt;250 To 400, Deduct</i>	-23.87	
			<i>For &gt;400 To 600, Deduct</i>	-35.80	
			<i>For &gt;600 To 750, Deduct</i>	-47.73	
			<i>For &gt;750, Deduct</i>	-63.10	
<b>33 11 13 00-0094</b>			<b>Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40</b> <small>(33 11 13 00-0078)</small>		
33 11 13 00-0095	LF		1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	13.12	
			<i>For &gt;100 To 250, Deduct</i>	-0.50	
			<i>For &gt;250 To 400, Deduct</i>	-0.82	
			<i>For &gt;400 To 600, Deduct</i>	-1.23	
			<i>For &gt;600 To 750, Deduct</i>	-1.65	
			<i>For &gt;750, Deduct</i>	-2.27	
			<i>For Schedule 80, Add</i>	2.58	
33 11 13 00-0096	LF		1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	14.86	
			<i>For &gt;100 To 250, Deduct</i>	-0.55	
			<i>For &gt;250 To 400, Deduct</i>	-0.92	
			<i>For &gt;400 To 600, Deduct</i>	-1.38	
			<i>For &gt;600 To 750, Deduct</i>	-1.84	
			<i>For &gt;750, Deduct</i>	-2.54	
			<i>For Schedule 80, Add</i>	3.09	
33 11 13 00-0097	LF		2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	21.76	
			<i>For &gt;100 To 250, Deduct</i>	-0.86	
			<i>For &gt;250 To 400, Deduct</i>	-1.41	
			<i>For &gt;400 To 600, Deduct</i>	-2.11	
			<i>For &gt;600 To 750, Deduct</i>	-2.81	
			<i>For &gt;750, Deduct</i>	-3.93	
			<i>For Schedule 80, Add</i>	3.60	
33 11 13 00-0098	LF		3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	30.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.11	
			<i>For &gt;250 To 400, Deduct</i>	-1.87	
			<i>For &gt;400 To 600, Deduct</i>	-2.80	
			<i>For &gt;600 To 750, Deduct</i>	-3.74	
			<i>For &gt;750, Deduct</i>	-5.12	
			<i>For Schedule 80, Add</i>	6.70	
33 11 13 00-0099	LF		4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	38.39	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 400, Deduct</i>	-2.35	
			<i>For &gt;400 To 600, Deduct</i>	-3.53	
			<i>For &gt;600 To 750, Deduct</i>	-4.71	
			<i>For &gt;750, Deduct</i>	-6.45	
			<i>For Schedule 80, Add</i>	8.39	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0100 LF 5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	47.76	
For >100 To 250, Deduct	-1.71	
For >250 To 400, Deduct	-2.91	
For >400 To 600, Deduct	-4.36	
For >600 To 750, Deduct	-5.81	
For >750, Deduct	-7.94	
For Schedule 80, Add	10.81	
33 11 13 00-0101 LF 6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	54.04	
For >100 To 250, Deduct	-2.04	
For >250 To 400, Deduct	-3.39	
For >400 To 600, Deduct	-5.09	
For >600 To 750, Deduct	-6.79	
For >750, Deduct	-9.38	
For Schedule 80, Add	10.56	
33 11 13 00-0102 LF 8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	76.55	
For >100 To 250, Deduct	-2.80	
For >250 To 400, Deduct	-4.71	
For >400 To 600, Deduct	-7.07	
For >600 To 750, Deduct	-9.42	
For >750, Deduct	-12.93	
For Schedule 80, Add	16.48	
<b>33 11 13 00-0103 Furnish And Install Gravel Pack Material</b> <small>(33 11 13 00-0001)</small>		
Note: Quantity is based on 3" space between wall and the casing or well screen.		
<b>33 11 13 00-0104 Artificial Gravel Pack</b> <small>(33 11 13 00-0103)</small>		
Note: Excludes casing.		
33 11 13 00-0105 LF Artificial Gravel Pack, 6" Casing, 2" Screen.....	16.09	
For >100 To 250, Deduct	-0.63	
For >250 To 400, Deduct	-1.03	
For >400 To 600, Deduct	-1.55	
For >600 To 750, Deduct	-2.07	
For >750, Deduct	-2.88	
33 11 13 00-0106 LF Artificial Gravel Pack, 8" Casing, 2" Screen.....	23.81	
For >100 To 250, Deduct	-0.95	
For >250 To 400, Deduct	-1.55	
For >400 To 600, Deduct	-2.32	
For >600 To 750, Deduct	-3.10	
For >750, Deduct	-4.33	
33 11 13 00-0107 LF Artificial Gravel Pack, 10" Casing, 2" Screen.....	33.28	
For >100 To 250, Deduct	-1.36	
For >250 To 400, Deduct	-2.20	
For >400 To 600, Deduct	-3.29	
For >600 To 750, Deduct	-4.39	
For >750, Deduct	-6.18	
33 11 13 00-0108 LF Artificial Gravel Pack, 12" Casing, 2" Screen.....	42.58	
For >100 To 250, Deduct	-1.73	
For >250 To 400, Deduct	-2.79	
For >400 To 600, Deduct	-4.19	
For >600 To 750, Deduct	-5.58	
For >750, Deduct	-7.83	
33 11 13 00-0109 LF Artificial Gravel Pack, 14" Casing, 2" Screen.....	52.44	
For >100 To 250, Deduct	-2.10	
For >250 To 400, Deduct	-3.41	
For >400 To 600, Deduct	-5.12	
For >600 To 750, Deduct	-6.83	
For >750, Deduct	-9.56	
33 11 13 00-0110 LF Artificial Gravel Pack, 16" Casing, 2" Screen.....	67.74	
For >100 To 250, Deduct	-2.67	
For >250 To 400, Deduct	-4.36	
For >400 To 600, Deduct	-6.54	
For >600 To 750, Deduct	-8.72	
For >750, Deduct	-12.17	
33 11 13 00-0111 LF Artificial Gravel Pack, 18" Casing, 2" Screen.....	77.62	
For >100 To 250, Deduct	-3.04	
For >250 To 400, Deduct	-4.98	
For >400 To 600, Deduct	-7.47	
For >600 To 750, Deduct	-9.97	
For >750, Deduct	-13.89	
33 11 13 00-0112 LF Artificial Gravel Pack, 20" Casing, 2" Screen.....	92.30	
For >100 To 250, Deduct	-3.65	
For >250 To 400, Deduct	-5.96	
For >400 To 600, Deduct	-8.94	
For >600 To 750, Deduct	-11.92	
For >750, Deduct	-16.65	
33 11 13 00-0113 LF Artificial Gravel Pack, 24" Casing, 2" Screen.....	104.49	
For >100 To 250, Deduct	-4.16	
For >250 To 400, Deduct	-6.77	
For >400 To 600, Deduct	-10.15	
For >600 To 750, Deduct	-13.54	
For >750, Deduct	-18.93	

<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 11</b>	<b>Groundwater Sources</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0114 LF Artificial Gravel Pack, 26" Casing, 2" Screen.....	112.42	
For >100 To 250, Deduct	-4.42	
For >250 To 400, Deduct	-7.23	
For >400 To 600, Deduct	-10.85	
For >600 To 750, Deduct	-14.47	
For >750, Deduct	-20.18	
33 11 13 00-0115 LF Artificial Gravel Pack, 30" Casing, 2" Screen.....	134.25	
For >100 To 250, Deduct	-5.34	
For >250 To 400, Deduct	-8.70	
For >400 To 600, Deduct	-13.04	
For >600 To 750, Deduct	-17.39	
For >750, Deduct	-24.32	
33 11 13 00-0116 LF Artificial Gravel Pack, 36" Casing, 2" Screen.....	155.73	
For >100 To 250, Deduct	-6.31	
For >250 To 400, Deduct	-10.21	
For >400 To 600, Deduct	-15.31	
For >600 To 750, Deduct	-20.41	
For >750, Deduct	-28.66	
<b>33 11 13 00-0117 Develop Well</b> <small>(33 11 13 00-0001)</small>		
Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 11 13 00-0118 HR Develop Well.....	423.99	
<b>33 11 13 00-0119 Pump Test</b> <small>(33 11 13 00-0001)</small>		
Note: To determine water level and GPM flow rate.		
33 11 13 00-0120 HR Pump Test Well.....	376.10	
<b>33 11 13 00-0121 Test Well</b> <small>(33 11 13 00-0001)</small>		
33 11 13 00-0122 VLF 2-1/2" Diameter Test Well.....	103.80	
<b>33 11 13 00-0123 Surface Seal, Concrete Filled</b> <small>(33 11 13)</small>		
33 11 13 00-0124 SF Surface Seal Well, Concrete Filled.....	32.12	
<b>33 11 13 00-0125 Other Water Well</b> <small>(33 11 13)</small>		
33 11 13 00-0126 SF Patch Hole In Well Casing.....	86.59	
33 11 13 00-0127 SF 1/2" Pressure Grout Well.....	2.15	
33 11 13 00-0128 SF 1" Pressure Grout Well.....	3.48	
33 11 13 00-0129 CF Sediment Removal In Well Casing For Existing Well.....	4.96	
<b>33 11 13 00-0130 Sterilization Of Well</b> <small>(33 11 13)</small>		
33 11 13 00-0131 EA Well Sterilization, Chlorine.....	1,417.80	
<b>33 11 13 00-0132 Submersible Well Pumps</b> <small>(33 11 13)</small>		
Note: Includes pump end, motor and control box.		
<b>33 11 13 00-0133 4" Submersible Well Pumps</b> <small>(33 11 13 00-0132)</small>		
<b>33 11 13 00-0134 Powder Coated Case And Cast Iron Ends</b> <small>(33 11 13 00-0133)</small>		
33 11 13 00-0135 EA 1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,324.88	447.63
33 11 13 00-0136 EA 3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,510.89	496.14
33 11 13 00-0137 EA 1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,676.82	551.27
<b>33 11 13 00-0138 Stainless Steel Case And Ends</b> <small>(33 11 13 00-0133)</small>		
33 11 13 00-0139 EA 1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,497.76	441.01
33 11 13 00-0140 EA 3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,708.65	496.14
33 11 13 00-0141 EA 1 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,916.01	551.27
33 11 13 00-0142 EA 1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	2,196.77	606.39
33 11 13 00-0143 EA 2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	2,488.18	661.52
33 11 13 00-0144 EA 3 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	3,063.92	771.77
33 11 13 00-0145 EA 5 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	3,861.08	882.03
<b>33 11 13 00-0146 6" Submersible Well Pumps</b> <small>(33 11 13 00-0132)</small>		
33 11 13 00-0147 EA 5 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	3,734.92	1,102.53
33 11 13 00-0148 EA 7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	4,311.69	1,212.78
33 11 13 00-0149 EA 10 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	4,911.26	1,323.03
33 11 13 00-0150 EA 15 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	6,201.26	1,543.54

### 33 14 Water Utility Transmission and Distribution (33 10)

#### 33 14 11 Water Utility Transmission Piping (33 14)

See CSI section 33 14 13 00-0000 for water utility transmission piping.



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**33 14 13 Public Water Utility Distribution Piping (33 14)**

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

**33 14 13 13 Ductile Iron Public Water Utility Distribution Piping (33 14 13)**

33 14 13 13-0001 Ductile Iron Piping (33 14 13 13)

33 14 13 13-0002 Mechanical Joint Ductile Iron Piping (33 14 13 13-0001)

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0480 for bolts and gaskets.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe (33 14 13 13-0002)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-0004	LF 3", Class 51, Mechanical Joint Ductile Iron Pipe.....	37.38	12.07
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.38	
	For Cement Mortar Lining (CML), Add	1.91	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	10.32	
	For Fusion Bonded Epoxy Lining (206N), Add	3.44	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.43	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-1.87	
	For Class 52, Add	6.10	
	For Class 53, Add	10.93	
	For Class 54, Add	15.57	
	For Class 55, Add	17.94	
	For Class 56, Add	20.27	
33 14 13 13-0005	LF 4", Class 50, Mechanical Joint Ductile Iron Pipe.....	40.48	12.85
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	14.71	
	For Cement Mortar Lining (CML), Add	2.10	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	11.35	
	For Fusion Bonded Epoxy Lining (206N), Add	3.78	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.58	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-2.02	
	For Class 51, Add	3.11	
	For Class 52, Add	6.69	
	For Class 53, Add	11.99	
	For Class 54, Add	17.08	
	For Class 55, Add	19.67	
	For Class 56, Add	22.23	
33 14 13 13-0006	LF 6", Class 50, Mechanical Joint Ductile Iron Pipe.....	43.19	13.48
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	15.96	
	For Cement Mortar Lining (CML), Add	2.28	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	12.31	
	For Fusion Bonded Epoxy Lining (206N), Add	4.10	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.71	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-2.16	
	For Class 51, Add	3.36	
	For Class 52, Add	7.24	
	For Class 53, Add	12.98	
	For Class 54, Add	18.49	
	For Class 55, Add	21.30	
	For Class 56, Add	24.07	
33 14 13 13-0007	LF 8", Class 50, Mechanical Joint Ductile Iron Pipe.....	50.41	14.02
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	20.42	
	For Cement Mortar Lining (CML), Add	2.92	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	15.75	
	For Fusion Bonded Epoxy Lining (206N), Add	5.25	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.19	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-2.52	
	For Class 51, Add	4.24	
	For Class 52, Add	9.14	
	For Class 53, Add	16.43	
	For Class 54, Add	23.42	
	For Class 55, Add	26.95	
	For Class 56, Add	30.43	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0008 LF 10", Class 50, Mechanical Joint Ductile Iron Pipe.....	67.93	19.79
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	22.77	
For Cement Mortar Lining (CML), Add	3.80	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	18.98	
For Fusion Bonded Epoxy Lining (206N), Add	6.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.85	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.40	
For Class 51, Add	5.55	
For Class 52, Add	11.95	
For Class 53, Add	21.46	
For Class 54, Add	30.58	
For Class 55, Add	35.21	
For Class 56, Add	39.76	
33 14 13 13-0009 LF 12", Class 50, Mechanical Joint Ductile Iron Pipe.....	81.77	21.98
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.23	
For Cement Mortar Lining (CML), Add	4.85	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	19.38	
For Fusion Bonded Epoxy Lining (206N), Add	8.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.63	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.09	
For Class 51, Add	7.02	
For Class 52, Add	15.13	
For Class 53, Add	27.22	
For Class 54, Add	38.81	
For Class 55, Add	44.65	
For Class 56, Add	50.40	
33 14 13 13-0010 LF 14", Class 50, Mechanical Joint Ductile Iron Pipe.....	97.57	24.68
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	26.44	
For Cement Mortar Lining (CML), Add	6.01	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	20.43	
For Fusion Bonded Epoxy Lining (206N), Add	10.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.51	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.88	
For Class 51, Add	8.66	
For Class 52, Add	18.67	
For Class 53, Add	33.61	
For Class 54, Add	47.93	
For Class 55, Add	55.14	
For Class 56, Add	62.22	
33 14 13 13-0011 LF 16", Class 50, Mechanical Joint Ductile Iron Pipe.....	110.21	28.28
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	27.63	
For Cement Mortar Lining (CML), Add	6.74	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	20.89	
For Fusion Bonded Epoxy Lining (206N), Add	12.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.05	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.51	
For Class 51, Add	9.72	
For Class 52, Add	20.95	
For Class 53, Add	37.72	
For Class 54, Add	53.78	
For Class 55, Add	61.87	
For Class 56, Add	69.82	
33 14 13 13-0012 LF 18", Class 50, Mechanical Joint Ductile Iron Pipe.....	136.38	32.97
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	35.43	
For Cement Mortar Lining (CML), Add	8.64	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	26.79	
For Fusion Bonded Epoxy Lining (206N), Add	15.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.48	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.82	
For Class 51, Add	12.40	
For Class 52, Add	26.75	
For Class 53, Add	48.18	
For Class 54, Add	68.72	
For Class 55, Add	79.03	
For Class 56, Add	89.16	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0013 LF 20", Class 50, Mechanical Joint Ductile Iron Pipe.....	155.12	39.57
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	36.16	
For Cement Mortar Lining (CML), Add	9.52	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	26.64	
For Fusion Bonded Epoxy Lining (206N), Add	17.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.14	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-7.76	
For Class 51, Add	13.72	
For Class 52, Add	29.58	
For Class 53, Add	53.24	
For Class 54, Add	75.93	
For Class 55, Add	87.35	
For Class 56, Add	98.56	
33 14 13 13-0014 LF 24", Class 50, Mechanical Joint Ductile Iron Pipe.....	202.65	49.46
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	39.59	
For Cement Mortar Lining (CML), Add	12.77	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	26.82	
For Fusion Bonded Epoxy Lining (206N), Add	22.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.58	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-10.13	
For Class 51, Add	18.34	
For Class 52, Add	39.56	
For Class 53, Add	71.25	
For Class 54, Add	101.62	
For Class 55, Add	116.88	
For Class 56, Add	131.86	
33 14 13 13-0015 LF 30", Class 50, Mechanical Joint Ductile Iron Pipe.....	260.03	53.26
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	55.83	
For Cement Mortar Lining (CML), Add	18.01	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	32.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.51	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-13.00	
For Class 51, Add	25.55	
For Class 52, Add	55.15	
For Class 53, Add	99.51	
For Class 54, Add	142.03	
For Class 55, Add	163.21	
For Class 56, Add	184.02	
33 14 13 13-0016 LF 36", Class 50, Mechanical Joint Ductile Iron Pipe.....	310.14	56.55
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	69.81	
For Cement Mortar Lining (CML), Add	22.52	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	40.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.89	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-15.51	
For Class 51, Add	31.76	
For Class 52, Add	68.58	
For Class 53, Add	123.87	
For Class 54, Add	176.84	
For Class 55, Add	203.15	
For Class 56, Add	228.98	
33 14 13 13-0017 LF 42", Class 50, Mechanical Joint Ductile Iron Pipe.....	380.03	59.85
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	89.93	
For Cement Mortar Lining (CML), Add	29.01	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	52.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.76	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-19.00	
For Class 51, Add	40.66	
For Class 52, Add	87.86	
For Class 53, Add	158.84	
For Class 54, Add	226.83	
For Class 55, Add	260.47	
For Class 56, Add	293.51	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0018 LF 48", Class 50, Mechanical Joint Ductile Iron Pipe.....	464.69	63.25
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	114.63	
For Cement Mortar Lining (CML), Add	36.98	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	66.56	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.73	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-23.23	
For Class 51, Add	51.58	
For Class 52, Add	111.49	
For Class 53, Add	201.71	
For Class 54, Add	288.13	
For Class 55, Add	330.77	
For Class 56, Add	372.63	
<b>33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow</b> (33 14 13 13-0002)		
33 14 13 13-0020 EA 3" Mechanical Joint Ductile Iron 90 Degree Elbow .....	154.88	38.13
For Cement Mortar Lining (CML), Add	9.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	17.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.28	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021 EA 4" Mechanical Joint Ductile Iron 90 Degree Elbow .....	174.70	45.56
For Cement Mortar Lining (CML), Add	10.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	19.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022 EA 6" Mechanical Joint Ductile Iron 90 Degree Elbow .....	274.75	67.33
For Cement Mortar Lining (CML), Add	17.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	31.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023 EA 8" Mechanical Joint Ductile Iron 90 Degree Elbow .....	372.39	79.86
For Cement Mortar Lining (CML), Add	25.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	45.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.85	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024 EA 10" Mechanical Joint Ductile Iron 90 Degree Elbow .....	532.76	87.73
For Cement Mortar Lining (CML), Add	39.99	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	71.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.99	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025 EA 12" Mechanical Joint Ductile Iron 90 Degree Elbow .....	694.26	102.92
For Cement Mortar Lining (CML), Add	53.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	96.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	40.38	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026 EA 14" Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,075.97	115.41
For Cement Mortar Lining (CML), Add	90.11	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	162.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	67.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027 EA 16" Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,423.70	131.90
For Cement Mortar Lining (CML), Add	122.39	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	220.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	91.79	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028 EA 18" Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,753.52	184.66
For Cement Mortar Lining (CML), Add	147.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	265.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	110.53	
Note: ANSI/AWWA C151/A21.51		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0029 EA 20" Mechanical Joint Ductile Iron 90 Degree Elbow .....	2,404.72	230.83
For Cement Mortar Lining (CML), Add	205.50	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	369.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	154.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030 EA 24" Mechanical Joint Ductile Iron 90 Degree Elbow .....	3,533.29	307.36
For Cement Mortar Lining (CML), Add	306.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	552.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	230.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031 EA 30" Mechanical Joint Ductile Iron 90 Degree Elbow .....	5,422.21	329.74
For Cement Mortar Lining (CML), Add	492.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	886.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	369.19	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0032 EA 36" Mechanical Joint Ductile Iron 90 Degree Elbow .....	8,214.56	342.34
For Cement Mortar Lining (CML), Add	769.59	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,385.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	577.19	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0033 EA 42" Mechanical Joint Ductile Iron 90 Degree Elbow .....	13,796.43	395.70
For Cement Mortar Lining (CML), Add	1,319.69	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,375.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	989.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0034 EA 48" Mechanical Joint Ductile Iron 90 Degree Elbow .....	18,234.61	420.98
For Cement Mortar Lining (CML), Add	1,759.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,167.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,319.76	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-0035 Mechanical Joint Ductile Iron 45 Degree Elbow</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0036 EA 3" Mechanical Joint Ductile Iron 45 Degree Elbow .....	144.88	38.13
For Cement Mortar Lining (CML), Add	8.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	15.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037 EA 4" Mechanical Joint Ductile Iron 45 Degree Elbow .....	156.13	45.56
For Cement Mortar Lining (CML), Add	8.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	15.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0038 EA 6" Mechanical Joint Ductile Iron 45 Degree Elbow .....	241.90	67.33
For Cement Mortar Lining (CML), Add	14.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	25.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0039 EA 8" Mechanical Joint Ductile Iron 45 Degree Elbow .....	325.27	79.86
For Cement Mortar Lining (CML), Add	20.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	36.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0040 EA 10" Mechanical Joint Ductile Iron 45 Degree Elbow .....	431.37	87.73
For Cement Mortar Lining (CML), Add	29.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	53.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.39	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0041 EA 12" Mechanical Joint Ductile Iron 45 Degree Elbow .....	601.43	102.92
For Cement Mortar Lining (CML), Add	44.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	80.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.42	
Note: ANSI/AWWA C151/A21.51		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0042 EA 14" Mechanical Joint Ductile Iron 45 Degree Elbow .....	876.04	115.41
For Cement Mortar Lining (CML), Add	70.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	126.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	52.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043 EA 16" Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,073.82	131.90
For Cement Mortar Lining (CML), Add	87.40	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	157.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044 EA 18" Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,533.59	184.66
For Cement Mortar Lining (CML), Add	125.39	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	225.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	94.04	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0045 EA 20" Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,689.25	230.83
For Cement Mortar Lining (CML), Add	133.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	241.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	100.47	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0046 EA 24" Mechanical Joint Ductile Iron 45 Degree Elbow .....	2,500.78	307.36
For Cement Mortar Lining (CML), Add	203.50	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	366.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	152.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047 EA 30" Mechanical Joint Ductile Iron 45 Degree Elbow .....	4,633.91	329.74
For Cement Mortar Lining (CML), Add	413.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	744.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	310.07	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0048 EA 36" Mechanical Joint Ductile Iron 45 Degree Elbow .....	6,563.70	342.34
For Cement Mortar Lining (CML), Add	604.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,088.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	453.38	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049 EA 42" Mechanical Joint Ductile Iron 45 Degree Elbow .....	9,887.77	395.70
For Cement Mortar Lining (CML), Add	928.82	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,671.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	696.62	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0050 EA 48" Mechanical Joint Ductile Iron 45 Degree Elbow .....	12,809.34	420.98
For Cement Mortar Lining (CML), Add	1,217.15	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,190.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	912.86	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-0051 Mechanical Joint Ductile Iron 22-1/2 Degree Elbow</b> (33 14 13 13-0002)		
33 14 13 13-0052 EA 3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	126.32	38.13
For Cement Mortar Lining (CML), Add	6.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	12.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0053 EA 4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	151.85	45.56
For Cement Mortar Lining (CML), Add	8.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	14.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.21	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0054 EA 6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	230.48	67.33
For Cement Mortar Lining (CML), Add	12.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	23.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.64	
Note: ANSI/AWWA C151/A21.51		



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0055	EA	8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	320.98 19.99 35.99 14.99	79.86
33 14 13 13-0056	EA	10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	429.94 29.70 53.47 22.28	87.73
33 14 13 13-0057	EA	12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	545.74 38.99 70.18 29.24	102.92
33 14 13 13-0058	EA	14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	884.61 70.98 127.76 53.23	115.41
33 14 13 13-0059	EA	16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,038.12 83.83 150.89 62.87	131.90
33 14 13 13-0060	EA	18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,309.39 102.97 185.34 77.22	184.66
33 14 13 13-0061	EA	20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,749.23 139.95 251.91 104.96	230.83
33 14 13 13-0062	EA	24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,343.70 187.79 338.03 140.84	307.36
33 14 13 13-0063	EA	30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,964.14 346.45 623.61 259.84	329.74
33 14 13 13-0064	EA	36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,596.89 507.83 914.09 380.87	342.34
33 14 13 13-0065	EA	42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,266.90 766.74 1,380.12 575.05	395.70
33 14 13 13-0066	EA	48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,621.52 998.37 1,797.07 748.78	420.98

33 14 13 13-0067 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow (33 14 13 13-0002)

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0068 EA 3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	126.32	38.13
For Cement Mortar Lining (CML), Add	6.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	12.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069 EA 4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	147.56	45.56
For Cement Mortar Lining (CML), Add	7.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	14.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.89	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070 EA 6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	234.76	67.33
For Cement Mortar Lining (CML), Add	13.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	23.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0071 EA 8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	302.42	79.86
For Cement Mortar Lining (CML), Add	18.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	32.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.60	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0072 EA 10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	427.08	87.73
For Cement Mortar Lining (CML), Add	29.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	52.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0073 EA 12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	521.46	102.92
For Cement Mortar Lining (CML), Add	36.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	65.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0074 EA 14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	984.57	115.41
For Cement Mortar Lining (CML), Add	80.97	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	145.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0075 EA 16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	1,086.68	131.90
For Cement Mortar Lining (CML), Add	88.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	159.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	66.51	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0076 EA 18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	1,580.72	184.66
For Cement Mortar Lining (CML), Add	130.10	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	234.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	97.57	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0077 EA 20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	1,667.83	230.83
For Cement Mortar Lining (CML), Add	131.81	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	237.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	98.86	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0078 EA 24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	2,223.74	307.36
For Cement Mortar Lining (CML), Add	175.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	316.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	131.85	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0079 EA 30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	4,026.98	329.74
For Cement Mortar Lining (CML), Add	352.74	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	634.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	264.55	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0080	EA			36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,339.84 482.12 867.82 361.59	342.34
33 14 13 13-0081	EA			42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,917.02 731.75 1,317.15 548.81	395.70
33 14 13 13-0082	EA			48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,552.97 991.52 1,784.73 743.64	420.98
<b>33 14 13 13-0083</b>				<b>Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0084	EA			3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	159.16 10.14 18.25 7.60	38.13
33 14 13 13-0085	EA			4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	194.69 12.57 22.62 9.43	45.56
33 14 13 13-0086	EA			6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	310.45 20.85 37.53 15.64	67.33
33 14 13 13-0087	EA			8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	419.52 29.85 53.72 22.39	79.86
33 14 13 13-0088	EA			10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	601.31 46.84 84.31 35.13	87.73
33 14 13 13-0089	EA			12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	768.52 61.27 110.28 45.95	102.92
33 14 13 13-0090	EA			14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,314.46 113.96 205.13 85.47	115.41
33 14 13 13-0091	EA			16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,004.93 180.51 324.92 135.38	131.90

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0092 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	2,330.46	184.66
For Cement Mortar Lining (CML), Add	205.07	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	369.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	153.80	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0093 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	3,164.46	230.83
For Cement Mortar Lining (CML), Add	281.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	506.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	211.11	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0094 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	3,847.46	307.36
For Cement Mortar Lining (CML), Add	338.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	608.70	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	253.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0095 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	7,158.76	329.74
For Cement Mortar Lining (CML), Add	665.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,198.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	499.44	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0096 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	12,790.13	342.34
For Cement Mortar Lining (CML), Add	1,227.15	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,208.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	920.36	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-0097 Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow</b> <small>(33 14 13 13-0092)</small>		
33 14 13 13-0098 EA 3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	146.31	38.13
For Cement Mortar Lining (CML), Add	8.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	15.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.64	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0099 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	160.42	45.56
For Cement Mortar Lining (CML), Add	9.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	16.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.86	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0100 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	257.61	67.33
For Cement Mortar Lining (CML), Add	15.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	28.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0101 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	370.96	79.86
For Cement Mortar Lining (CML), Add	24.99	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	44.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0102 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	504.20	87.73
For Cement Mortar Lining (CML), Add	37.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	66.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.85	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0103 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	684.26	102.92
For Cement Mortar Lining (CML), Add	52.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	95.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.63	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0104 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,164.51 98.97 178.14 74.22	115.41
33 14 13 13-0105 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,769.30 156.95 282.50 117.71	131.90
33 14 13 13-0106 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,091.97 181.22 326.20 135.92	184.66
33 14 13 13-0107 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,716.04 236.63 425.94 177.47	230.83
33 14 13 13-0108 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,414.76 294.90 530.82 221.17	307.36
33 14 13 13-0109 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,291.91 579.23 1,042.61 434.42	329.74
33 14 13 13-0110 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,194.97 1,067.63 1,921.74 800.72	342.34
<b>33 14 13 13-0111 Mechanical Joint Ductile Iron Tee</b> (33 14 13 13-0002)		
33 14 13 13-0112 EA 3" x 3" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	252.32 16.57 29.82 12.42	57.20
33 14 13 13-0113 EA 4" x 3" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	262.51 16.57 29.82 12.42	63.92
33 14 13 13-0114 EA 4" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	240.47 13.85 24.93 10.39	67.33
33 14 13 13-0115 EA 6" x 3" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	319.86 19.14 34.44 14.35	84.81
33 14 13 13-0116 EA 6" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	366.58 23.28 41.90 17.46	88.31

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0117 EA 6" x 6" Mechanical Joint Ductile Iron Tee.....	399.64	98.87
For Cement Mortar Lining (CML), Add	24.99	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	44.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0118 EA 8" x 4" Mechanical Joint Ductile Iron Tee.....	424.97	102.34
For Cement Mortar Lining (CML), Add	26.99	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	48.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.24	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0119 EA 8" x 6" Mechanical Joint Ductile Iron Tee.....	482.31	112.85
For Cement Mortar Lining (CML), Add	31.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	56.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.35	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0120 EA 8" x 8" Mechanical Joint Ductile Iron Tee.....	557.20	119.90
For Cement Mortar Lining (CML), Add	37.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	67.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.17	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0121 EA 10" x 4" Mechanical Joint Ductile Iron Tee.....	579.34	109.04
For Cement Mortar Lining (CML), Add	41.41	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	74.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0122 EA 10" x 6" Mechanical Joint Ductile Iron Tee.....	581.48	118.93
For Cement Mortar Lining (CML), Add	40.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	72.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0123 EA 10" x 8" Mechanical Joint Ductile Iron Tee.....	660.03	125.53
For Cement Mortar Lining (CML), Add	46.98	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	84.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.24	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0124 EA 10" x 10" Mechanical Joint Ductile Iron Tee.....	736.80	131.90
For Cement Mortar Lining (CML), Add	53.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	96.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	40.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0125 EA 12" x 4" Mechanical Joint Ductile Iron Tee.....	692.16	122.23
For Cement Mortar Lining (CML), Add	50.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	91.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.02	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0126 EA 12" x 6" Mechanical Joint Ductile Iron Tee.....	785.68	132.11
For Cement Mortar Lining (CML), Add	58.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	105.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0127 EA 12" x 8" Mechanical Joint Ductile Iron Tee.....	962.77	138.71
For Cement Mortar Lining (CML), Add	75.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	135.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	56.45	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0128 EA 12" x 10" Mechanical Joint Ductile Iron Tee.....	1,030.97	145.09
For Cement Mortar Lining (CML), Add	81.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	146.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.84	
Note: ANSI/AWWA C151/A21.51		





<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0129 EA 12" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	979.55 74.97 134.95 56.23	151.69
33 14 13 13-0130 EA 14" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,044.40 81.12 146.01 60.84	153.94
33 14 13 13-0131 EA 14" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,161.51 91.83 165.29 68.87	160.54
33 14 13 13-0132 EA 14" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,479.62 122.67 220.81 92.00	166.92
33 14 13 13-0133 EA 14" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,581.01 131.81 237.26 98.86	173.51
33 14 13 13-0134 EA 14" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,527.57 124.81 224.67 93.61	184.45
33 14 13 13-0135 EA 16" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,326.47 104.68 188.42 78.51	184.65
33 14 13 13-0136 EA 16" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,426.53 113.68 204.62 85.26	191.26
33 14 13 13-0137 EA 16" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,658.96 135.95 244.72 101.96	197.62
33 14 13 13-0138 EA 16" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,814.63 150.52 270.94 112.89	204.22
33 14 13 13-0139 EA 16" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,181.04 185.51 333.91 139.13	215.13
33 14 13 13-0140 EA 16" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,064.34 171.51 308.72 128.63	230.52

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0141 EA 18" x 6" Mechanical Joint Ductile Iron Tee.....	1,840.41	236.32
For Cement Mortar Lining (CML), Add	148.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	266.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	111.18	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0142 EA 18" x 8" Mechanical Joint Ductile Iron Tee.....	1,973.22	242.92
For Cement Mortar Lining (CML), Add	160.52	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	288.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	120.39	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0143 EA 18" x 10" Mechanical Joint Ductile Iron Tee.....	2,134.25	249.29
For Cement Mortar Lining (CML), Add	175.65	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	316.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	131.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0144 EA 18" x 12" Mechanical Joint Ductile Iron Tee.....	2,294.19	255.88
For Cement Mortar Lining (CML), Add	190.65	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	343.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	142.99	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0145 EA 18" x 14" Mechanical Joint Ductile Iron Tee.....	2,360.71	266.79
For Cement Mortar Lining (CML), Add	195.65	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	352.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	146.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0146 EA 18" x 16" Mechanical Joint Ductile Iron Tee.....	2,519.65	282.15
For Cement Mortar Lining (CML), Add	209.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	376.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	156.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0147 EA 18" x 18" Mechanical Joint Ductile Iron Tee.....	2,948.64	307.97
For Cement Mortar Lining (CML), Add	248.20	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	446.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	186.15	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0148 EA 20" x 6" Mechanical Joint Ductile Iron Tee.....	2,181.45	338.88
For Cement Mortar Lining (CML), Add	166.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	300.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	125.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0149 EA 20" x 8" Mechanical Joint Ductile Iron Tee.....	2,228.59	345.48
For Cement Mortar Lining (CML), Add	170.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	306.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	127.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0150 EA 20" x 10" Mechanical Joint Ductile Iron Tee.....	2,425.32	351.85
For Cement Mortar Lining (CML), Add	189.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	340.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	141.92	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0151 EA 20" x 12" Mechanical Joint Ductile Iron Tee.....	2,620.96	358.45
For Cement Mortar Lining (CML), Add	207.79	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	374.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	155.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0152 EA 20" x 14" Mechanical Joint Ductile Iron Tee.....	2,653.21	369.36
For Cement Mortar Lining (CML), Add	209.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	376.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	157.02	
Note: ANSI/AWWA C151/A21.51		



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0153 EA 20" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,693.60 211.07 379.93 158.30	384.72
33 14 13 13-0154 EA 20" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,378.23 275.62 496.11 206.71	410.55
33 14 13 13-0155 EA 20" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,987.53 228.78 411.80 171.58	461.85
33 14 13 13-0156 EA 24" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,674.83 200.65 361.16 150.48	441.14
33 14 13 13-0157 EA 24" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,710.54 203.22 365.79 152.41	448.36
33 14 13 13-0158 EA 24" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,982.95 229.49 413.09 172.12	454.11
33 14 13 13-0159 EA 24" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,057.21 235.92 424.65 176.94	460.70
33 14 13 13-0160 EA 24" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,436.47 272.19 489.95 204.14	471.61
33 14 13 13-0161 EA 24" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,709.66 297.18 534.93 222.89	486.96
33 14 13 13-0162 EA 24" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,211.50 343.45 618.22 257.59	512.80
33 14 13 13-0163 EA 24" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,667.64 381.30 686.33 285.97	564.08
33 14 13 13-0164 EA 24" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,328.09 339.60 611.27 254.70	615.23

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0165 EA 30" x 8" Mechanical Joint Ductile Iron Tee.....	4,620.00	520.39
For Cement Mortar Lining (CML), Add	383.15	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	689.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	287.37	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0166 EA 30" x 10" Mechanical Joint Ductile Iron Tee.....	4,865.29	526.75
For Cement Mortar Lining (CML), Add	406.72	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	732.09	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	305.04	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0167 EA 30" x 12" Mechanical Joint Ductile Iron Tee.....	5,110.91	533.35
For Cement Mortar Lining (CML), Add	430.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	774.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	322.71	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0168 EA 30" x 14" Mechanical Joint Ductile Iron Tee.....	5,461.63	544.28
For Cement Mortar Lining (CML), Add	463.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	834.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	347.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0169 EA 30" x 16" Mechanical Joint Ductile Iron Tee.....	5,841.91	724.14
For Cement Mortar Lining (CML), Add	499.40	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	898.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	374.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0170 EA 30" x 18" Mechanical Joint Ductile Iron Tee.....	6,001.00	585.45
For Cement Mortar Lining (CML), Add	511.40	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	920.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	383.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0171 EA 30" x 20" Mechanical Joint Ductile Iron Tee.....	6,245.79	636.74
For Cement Mortar Lining (CML), Add	528.10	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	950.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	396.08	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0172 EA 30" x 24" Mechanical Joint Ductile Iron Tee.....	6,564.61	687.86
For Cement Mortar Lining (CML), Add	552.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	994.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	414.18	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0173 EA 30" x 30" Mechanical Joint Ductile Iron Tee.....	8,216.24	724.14
For Cement Mortar Lining (CML), Add	711.90	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,281.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	533.92	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0174 EA 30" x 6" Mechanical Joint Ductile Iron Tee.....	4,827.07	513.79
For Cement Mortar Lining (CML), Add	404.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	728.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	303.65	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0175 EA 36" x 8" Mechanical Joint Ductile Iron Tee.....	5,641.60	577.27
For Cement Mortar Lining (CML), Add	476.69	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	858.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	357.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0176 EA 36" x 10" Mechanical Joint Ductile Iron Tee.....	6,271.05	583.66
For Cement Mortar Lining (CML), Add	538.67	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	969.61	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	404.00	
Note: ANSI/AWWA C151/A21.51		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0177	EA 36" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....6,612.35 571.80 1,029.25 428.85	590.24	
33 14 13 13-0178	EA 36" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....6,858.81 594.80 1,070.63 446.10	601.16	
33 14 13 13-0179	EA 36" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....7,109.13 617.50 1,111.50 463.13	616.52	
33 14 13 13-0180	EA 36" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....7,588.12 661.49 1,190.68 496.12	642.35	
33 14 13 13-0181	EA 36" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....8,107.09 705.61 1,270.11 529.21	693.62	
33 14 13 13-0182	EA 36" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....8,967.15 783.87 1,410.97 587.90	744.75	
33 14 13 13-0183	EA 36" x 30" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....9,909.03 872.56 1,570.60 654.42	809.58	
33 14 13 13-0184	EA 36" x 36" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....11,558.72 1,033.22 1,859.79 774.91	809.58	
33 14 13 13-0185	EA 42" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....12,961.22 1,201.87 2,163.37 901.40	622.04	
33 14 13 13-0186	EA 42" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....13,220.53 1,226.15 2,207.07 919.61	632.97	
33 14 13 13-0187	EA 42" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....14,687.57 1,370.53 2,466.95 1,027.90	648.31	
33 14 13 13-0188	EA 42" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....13,741.35 1,271.99 2,289.58 953.99	674.14	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0189 EA 42" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,819.05 1,271.99 2,289.58 953.99	725.43
33 14 13 13-0190 EA 42" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,129.29 1,295.27 2,331.48 971.45	776.55
33 14 13 13-0191 EA 42" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,120.46 1,588.88 2,859.99 1,191.66	812.89
33 14 13 13-0192 EA 42" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,830.48 1,655.57 2,980.03 1,241.68	841.33
33 14 13 13-0193 EA 42" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,858.50 1,755.97 3,160.74 1,316.98	857.24
33 14 13 13-0194 EA 48" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,264.38 1,424.51 2,564.12 1,068.38	672.72
33 14 13 13-0195 EA 48" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,537.97 1,450.22 2,610.39 1,087.66	683.64
33 14 13 13-0196 EA 48" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,925.39 1,486.63 2,675.94 1,114.97	698.99
33 14 13 13-0197 EA 48" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,327.27 1,522.91 2,741.23 1,142.18	724.82
33 14 13 13-0198 EA 48" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,769.13 1,559.32 2,806.78 1,169.49	776.11
33 14 13 13-0199 EA 48" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,895.14 1,564.18 2,815.52 1,173.13	827.23
33 14 13 13-0200 EA 48" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,547.52 1,923.91 3,463.04 1,442.93	863.56



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0201	EA			48" x 36" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	23,418.22 2,206.67 3,972.00 1,655.00	892.01
33 14 13 13-0202	EA			48" x 42" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	24,561.93 2,318.63 4,173.54 1,738.97	907.91
33 14 13 13-0203	EA			48" x 48" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	24,973.06 2,355.90 4,240.63 1,766.93	933.29
<b>33 14 13 13-0204</b>				<b>Mechanical Joint Ductile Iron Wye (Laterals)</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0205	EA			4" x 3" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	218.24 12.14 21.85 9.10	63.92
33 14 13 13-0206	EA			4" x 4" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	329.01 22.71 40.87 17.03	67.28
33 14 13 13-0207	EA			6" x 3" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	319.86 19.14 34.44 14.35	84.81
33 14 13 13-0208	EA			6" x 4" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	368.01 23.42 42.16 17.57	88.31
33 14 13 13-0209	EA			6" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	492.47 34.27 61.69 25.71	98.82
33 14 13 13-0210	EA			8" x 4" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	627.75 47.27 85.08 35.45	102.34
33 14 13 13-0211	EA			8" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	566.57 39.56 71.20 29.67	112.85
33 14 13 13-0212	EA			8" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	681.45 49.98 89.97 37.49	119.86
33 14 13 13-0213	EA			10" x 4" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	960.64 79.54 143.18 59.66	109.04

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0214 EA 10" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,017.04	118.93
For Cement Mortar Lining (CML), Add	83.69	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	150.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	62.76	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215 EA 10" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,167.00	125.53
For Cement Mortar Lining (CML), Add	97.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	175.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	73.26	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216 EA 10" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,312.31	131.90
For Cement Mortar Lining (CML), Add	111.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	200.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	83.44	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217 EA 12" x 4" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,223.40	122.23
For Cement Mortar Lining (CML), Add	103.82	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	186.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	77.87	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0218 EA 12" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,382.62	132.11
For Cement Mortar Lining (CML), Add	118.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	212.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	88.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219 EA 12" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,662.53	138.71
For Cement Mortar Lining (CML), Add	145.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	261.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	108.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220 EA 12" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,710.74	145.09
For Cement Mortar Lining (CML), Add	149.09	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	268.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	111.82	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221 EA 12" x 12" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,553.64	151.67
For Cement Mortar Lining (CML), Add	132.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	238.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	99.29	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0222 EA 14" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,826.99	153.94
For Cement Mortar Lining (CML), Add	159.37	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	286.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	119.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0223 EA 14" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	2,088.33	160.54
For Cement Mortar Lining (CML), Add	184.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	332.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	138.38	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0224 EA 14" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	2,719.19	166.92
For Cement Mortar Lining (CML), Add	246.63	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	443.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	184.97	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225 EA 14" x 12" Mechanical Joint Ductile Iron Wye (Lateral) .....	2,911.98	173.51
For Cement Mortar Lining (CML), Add	264.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	476.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	198.68	
Note: ANSI/AWWA C151/A21.51		





<b>Utilities</b>	<b>33</b>	<b>CS</b>
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0226	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,848.55 256.91 462.44 192.68	184.42
33 14 13 13-0227	EA	16" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,882.09 160.23 288.42 120.17	184.65
33 14 13 13-0228	EA	16" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,069.17 177.94 320.29 133.45	191.26
33 14 13 13-0229	EA	16" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,434.41 213.50 384.30 160.12	197.62
33 14 13 13-0230	EA	16" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,720.03 241.06 433.91 180.80	204.22
33 14 13 13-0231	EA	16" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,396.33 307.04 552.67 230.28	215.13
33 14 13 13-0232	EA	16" x 16" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,279.64 293.04 527.48 219.78	230.49
33 14 13 13-0233	EA	18" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,952.88 259.48 467.07 194.61	236.32
33 14 13 13-0234	EA	18" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,177.09 280.90 505.63 210.68	242.92
33 14 13 13-0235	EA	18" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,393.81 301.61 542.90 226.21	249.29
33 14 13 13-0236	EA	18" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,629.44 324.17 583.51 243.13	255.88
33 14 13 13-0237	EA	18" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,671.69 326.75 588.14 245.06	266.79

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0238 EA 18" x 16" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,712.09	282.15
For Cement Mortar Lining (CML), Add	328.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	591.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	246.34	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239 EA 18" x 18" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,405.63	307.98
For Cement Mortar Lining (CML), Add	293.90	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	529.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	220.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240 EA 20" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,515.27	338.88
For Cement Mortar Lining (CML), Add	300.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	540.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	225.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241 EA 20" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,592.40	345.48
For Cement Mortar Lining (CML), Add	306.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	552.41	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	230.17	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0242 EA 20" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,939.08	351.85
For Cement Mortar Lining (CML), Add	340.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	613.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	255.45	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243 EA 20" x 12" Mechanical Joint Ductile Iron Wye (Lateral) .....	4,283.24	358.45
For Cement Mortar Lining (CML), Add	374.01	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	673.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	280.51	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244 EA 20" x 14" Mechanical Joint Ductile Iron Wye (Lateral) .....	4,328.34	369.36
For Cement Mortar Lining (CML), Add	376.87	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	678.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	282.65	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245 EA 20" x 16" Mechanical Joint Ductile Iron Wye (Lateral) .....	4,381.59	384.72
For Cement Mortar Lining (CML), Add	379.87	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	683.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	284.90	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246 EA 20" x 18" Mechanical Joint Ductile Iron Wye (Lateral) .....	5,069.08	410.55
For Cement Mortar Lining (CML), Add	444.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	800.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	333.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0247 EA 20" x 20" Mechanical Joint Ductile Iron Wye (Lateral) .....	4,818.33	461.83
For Cement Mortar Lining (CML), Add	411.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	741.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	308.89	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0248 EA 24" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	4,279.99	441.14
For Cement Mortar Lining (CML), Add	361.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	650.09	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	270.87	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0249 EA 24" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	4,335.69	447.72
For Cement Mortar Lining (CML), Add	365.73	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	658.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	274.30	
Note: ANSI/AWWA C151/A21.51		



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0250 EA 24" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,818.04 413.00 743.40 309.75	454.11
33 14 13 13-0251 EA 24" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,039.38 434.14 781.44 325.60	460.70
33 14 13 13-0252 EA 24" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,804.23 508.97 916.14 381.73	471.61
33 14 13 13-0253 EA 24" x 16" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,440.15 570.23 1,026.42 427.67	486.96
33 14 13 13-0254 EA 24" x 18" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,199.05 642.21 1,155.97 481.66	512.80
33 14 13 13-0255 EA 24" x 20" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,909.39 705.47 1,269.85 529.10	564.08
33 14 13 13-0256 EA 24" x 24" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,044.30 611.22 1,100.19 458.41	615.19
33 14 13 13-0257 EA 30" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,745.72 796.73 1,434.11 597.54	513.79
33 14 13 13-0258 EA 30" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,792.50 900.40 1,620.73 675.30	520.39
33 14 13 13-0259 EA 30" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,356.26 955.81 1,720.47 716.86	526.75
33 14 13 13-0260 EA 30" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,920.34 1,011.22 1,820.20 758.42	533.35
33 14 13 13-0261 EA 30" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,720.90 1,089.63 1,961.33 817.22	544.28

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0262 EA 30" x 16" Mechanical Joint Ductile Iron Wye (Lateral) .....	12,583.87	559.62
For Cement Mortar Lining (CML), Add	1,173.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,112.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	880.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263 EA 30" x 18" Mechanical Joint Ductile Iron Wye (Lateral) .....	12,904.34	585.45
For Cement Mortar Lining (CML), Add	1,201.73	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,163.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	901.30	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264 EA 30" x 20" Mechanical Joint Ductile Iron Wye (Lateral) .....	13,374.77	636.74
For Cement Mortar Lining (CML), Add	1,241.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,233.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	930.75	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265 EA 30" x 24" Mechanical Joint Ductile Iron Wye (Lateral) .....	14,019.18	687.86
For Cement Mortar Lining (CML), Add	1,297.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,335.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	973.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0266 EA 30" x 30" Mechanical Joint Ductile Iron Wye (Lateral) .....	15,189.55	724.20
For Cement Mortar Lining (CML), Add	1,409.23	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,536.61	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,056.92	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267 EA 36" x 12" Mechanical Joint Ductile Iron Wye (Lateral) .....	16,618.91	590.24
For Cement Mortar Lining (CML), Add	1,572.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,830.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,179.34	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0268 EA 36" x 14" Mechanical Joint Ductile Iron Wye (Lateral) .....	17,268.09	601.16
For Cement Mortar Lining (CML), Add	1,635.72	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,944.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,226.79	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0269 EA 36" x 16" Mechanical Joint Ductile Iron Wye (Lateral) .....	17,915.41	616.52
For Cement Mortar Lining (CML), Add	1,698.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,056.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,273.60	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0270 EA 36" x 18" Mechanical Joint Ductile Iron Wye (Lateral) .....	19,164.13	642.35
For Cement Mortar Lining (CML), Add	1,819.09	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,274.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,364.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0271 EA 36" x 20" Mechanical Joint Ductile Iron Wye (Lateral) .....	20,455.70	693.62
For Cement Mortar Lining (CML), Add	1,940.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,492.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,455.36	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0272 EA 36" x 24" Mechanical Joint Ductile Iron Wye (Lateral) .....	22,685.29	744.75
For Cement Mortar Lining (CML), Add	2,155.69	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,880.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,616.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0273 EA 36" x 30" Mechanical Joint Ductile Iron Wye (Lateral) .....	25,400.84	781.08
For Cement Mortar Lining (CML), Add	2,421.74	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	4,359.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,816.30	
Note: ANSI/AWWA C151/A21.51		



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0274 EA 36" x 36" Mechanical Joint Ductile Iron Wye (Lateral) .....	30,286.56	809.53
For Cement Mortar Lining (CML), Add	2,906.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	5,230.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,179.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0275 EA 42" x 20" Mechanical Joint Ductile Iron Wye (Lateral) .....	26,653.20	725.43
For Cement Mortar Lining (CML), Add	2,555.41	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	4,599.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,916.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0276 EA 42" x 24" Mechanical Joint Ductile Iron Wye (Lateral) .....	27,326.17	776.55
For Cement Mortar Lining (CML), Add	2,614.96	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	4,706.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,961.22	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0277 EA 42" x 30" Mechanical Joint Ductile Iron Wye (Lateral) .....	29,186.31	812.89
For Cement Mortar Lining (CML), Add	2,795.47	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	5,031.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,096.60	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0278 EA 42" x 36" Mechanical Joint Ductile Iron Wye (Lateral) .....	33,356.57	841.33
For Cement Mortar Lining (CML), Add	3,208.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	5,774.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,406.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0279 EA 42" x 42" Mechanical Joint Ductile Iron Wye (Lateral) .....	39,312.90	857.23
For Cement Mortar Lining (CML), Add	3,801.41	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	6,842.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,851.05	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0280 EA 48" x 20" Mechanical Joint Ductile Iron Wye (Lateral) .....	26,307.27	776.11
For Cement Mortar Lining (CML), Add	2,513.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	4,523.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,884.85	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0281 EA 48" x 24" Mechanical Joint Ductile Iron Wye (Lateral) .....	29,783.56	827.23
For Cement Mortar Lining (CML), Add	2,853.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	5,135.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,139.76	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0282 EA 48" x 30" Mechanical Joint Ductile Iron Wye (Lateral) .....	31,739.39	863.56
For Cement Mortar Lining (CML), Add	3,043.10	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	5,477.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,282.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0283 EA 48" x 36" Mechanical Joint Ductile Iron Wye (Lateral) .....	36,159.55	892.01
For Cement Mortar Lining (CML), Add	3,480.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	6,265.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,610.60	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0284 EA 48" x 42" Mechanical Joint Ductile Iron Wye (Lateral) .....	47,222.70	907.91
For Cement Mortar Lining (CML), Add	4,584.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	8,252.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3,438.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0285 EA 48" x 48" Mechanical Joint Ductile Iron Wye (Lateral) .....	51,830.95	933.24
For Cement Mortar Lining (CML), Add	5,041.69	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	9,075.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3,781.27	
Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0286 Mechanical Joint Ductile Iron Cross (33 14 13 13-0002)

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0287 EA 3" x 3" Mechanical Joint Ductile Iron Cross .....	299.76	76.26
For Cement Mortar Lining (CML), Add	18.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	33.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.82	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0288 EA 4" x 3" Mechanical Joint Ductile Iron Cross .....	361.37	82.98
For Cement Mortar Lining (CML), Add	23.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	42.41	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0289 EA 4" x 4" Mechanical Joint Ductile Iron Cross .....	425.91	84.10
For Cement Mortar Lining (CML), Add	29.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	53.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.39	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0290 EA 6" x 3" Mechanical Joint Ductile Iron Cross .....	508.90	103.96
For Cement Mortar Lining (CML), Add	35.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	63.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.35	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0291 EA 6" x 4" Mechanical Joint Ductile Iron Cross .....	495.52	112.14
For Cement Mortar Lining (CML), Add	32.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	58.61	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0292 EA 6" x 6" Mechanical Joint Ductile Iron Cross .....	577.98	140.18
For Cement Mortar Lining (CML), Add	36.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	65.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0293 EA 8" x 4" Mechanical Joint Ductile Iron Cross .....	510.03	122.67
For Cement Mortar Lining (CML), Add	32.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	58.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.31	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0294 EA 8" x 6" Mechanical Joint Ductile Iron Cross .....	606.78	150.70
For Cement Mortar Lining (CML), Add	37.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	68.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.38	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0295 EA 8" x 8" Mechanical Joint Ductile Iron Cross .....	642.71	161.21
For Cement Mortar Lining (CML), Add	39.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	71.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0296 EA 10" x 4" Mechanical Joint Ductile Iron Cross.....	615.92	127.53
For Cement Mortar Lining (CML), Add	42.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	76.09	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.70	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0297 EA 10" x 6" Mechanical Joint Ductile Iron Cross.....	707.30	153.90
For Cement Mortar Lining (CML), Add	47.41	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	85.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.56	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0298 EA 10" x 8" Mechanical Joint Ductile Iron Cross.....	836.55	163.81
For Cement Mortar Lining (CML), Add	58.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	105.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	44.13	
Note: ANSI/AWWA C151/A21.51		



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0299 EA 10" x 10" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	904.86 63.84 114.90 47.88	175.87
33 14 13 13-0300 EA 12 x 4" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	743.94 53.41 96.14 40.06	138.50
33 14 13 13-0301 EA 12" x 6" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	865.31 61.55 110.79 46.16	164.87
33 14 13 13-0302 EA 12" x 8" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,235.90 97.11 174.80 72.83	174.78
33 14 13 13-0303 EA 12" x 10" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,254.23 97.11 174.80 72.83	186.87
33 14 13 13-0304 EA 12" x 12" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,420.81 112.10 201.79 84.08	197.84
33 14 13 13-0305 EA 14" x 6" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,451.52 117.67 211.81 88.26	181.35
33 14 13 13-0306 EA 14" x 8" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,703.58 141.38 254.48 106.04	191.26
33 14 13 13-0307 EA 14" x 10" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,750.48 144.24 259.62 108.18	203.36
33 14 13 13-0308 EA 14" x 12" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,847.07 152.23 274.02 114.17	214.33
33 14 13 13-0309 EA 14" x 14" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,041.98 169.23 304.61 126.92	230.83
33 14 13 13-0310 EA 16" x 6" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,659.27 134.95 242.92 101.22	204.42

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0311 EA 16" x 8" Mechanical Joint Ductile Iron Cross.....	1,884.19	214.33
For Cement Mortar Lining (CML), Add	155.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	280.70	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	116.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0312 EA 16" x 10" Mechanical Joint Ductile Iron Cross.....	2,248.96	226.42
For Cement Mortar Lining (CML), Add	190.59	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	343.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	142.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0313 EA 16" x 12" Mechanical Joint Ductile Iron Cross.....	2,503.25	237.40
For Cement Mortar Lining (CML), Add	214.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	385.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	160.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0314 EA 16" x 14" Mechanical Joint Ductile Iron Cross.....	3,016.61	253.88
For Cement Mortar Lining (CML), Add	263.20	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	473.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	197.40	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0315 EA 16" x 16" Mechanical Joint Ductile Iron Cross.....	3,527.11	276.99
For Cement Mortar Lining (CML), Add	310.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	559.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	233.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0316 EA 18" x 6" Mechanical Joint Ductile Iron Cross.....	2,724.00	241.72
For Cement Mortar Lining (CML), Add	235.78	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	424.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	176.83	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0317 EA 18" x 8" Mechanical Joint Ductile Iron Cross.....	2,878.96	251.63
For Cement Mortar Lining (CML), Add	249.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	449.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	187.33	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0318 EA 18" x 10" Mechanical Joint Ductile Iron Cross.....	3,014.39	263.72
For Cement Mortar Lining (CML), Add	261.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	470.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	196.11	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0319 EA 18" x 12" Mechanical Joint Ductile Iron Cross.....	3,265.22	274.70
For Cement Mortar Lining (CML), Add	284.90	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	512.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	213.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0320 EA 18" x 14" Mechanical Joint Ductile Iron Cross.....	3,802.87	291.18
For Cement Mortar Lining (CML), Add	336.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	605.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	252.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0321 EA 18" x 16" Mechanical Joint Ductile Iron Cross.....	4,049.19	314.24
For Cement Mortar Lining (CML), Add	357.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	643.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	267.98	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0322 EA 18" x 18" Mechanical Joint Ductile Iron Cross.....	4,245.65	351.53
For Cement Mortar Lining (CML), Add	371.30	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	668.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	278.48	
Note: ANSI/AWWA C151/A21.51		





<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0323 EA 20" x 6" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,424.23 296.47 533.64 222.35	303.29
33 14 13 13-0324 EA 20" x 8" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,580.61 310.61 559.09 232.96	313.19
33 14 13 13-0325 EA 20" x 10" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,691.76 319.89 575.80 239.92	325.29
33 14 13 13-0326 EA 20" x 12" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,941.18 343.17 617.70 257.38	336.26
33 14 13 13-0327 EA 20" x 14" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,013.26 347.88 626.18 260.91	352.75
33 14 13 13-0328 EA 20" x 16" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,842.24 427.28 769.11 320.46	375.81
33 14 13 13-0329 EA 20" x 18" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,038.70 441.28 794.30 330.96	413.11
33 14 13 13-0330 EA 20" x 20" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,459.02 473.98 853.16 355.49	474.64
33 14 13 13-0331 EA 24" x 6" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,660.59 408.57 735.43 306.43	379.40
33 14 13 13-0332 EA 24" x 8" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,770.14 418.00 752.40 313.50	389.30
33 14 13 13-0333 EA 24" x 10" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,950.97 434.28 781.70 325.71	401.39
33 14 13 13-0334 EA 24" x 12" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,107.55 448.27 806.89 336.21	412.38

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0335 EA 24" x 14" Mechanical Joint Ductile Iron Cross.....	5,202.49	428.85
For Cement Mortar Lining (CML), Add	455.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	819.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	341.45	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0336 EA 24" x 16" Mechanical Joint Ductile Iron Cross.....	5,401.68	451.93
For Cement Mortar Lining (CML), Add	471.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	849.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	353.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0337 EA 24" x 18" Mechanical Joint Ductile Iron Cross.....	7,116.19	489.22
For Cement Mortar Lining (CML), Add	637.50	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,147.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	478.12	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0338 EA 24" x 20" Mechanical Joint Ductile Iron Cross.....	7,512.23	550.79
For Cement Mortar Lining (CML), Add	667.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,201.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	500.83	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0339 EA 24" x 24" Mechanical Joint Ductile Iron Cross.....	8,281.60	626.92
For Cement Mortar Lining (CML), Add	733.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,319.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	549.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0340 EA 30" x 8" Mechanical Joint Ductile Iron Cross.....	8,862.99	504.47
For Cement Mortar Lining (CML), Add	809.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,457.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	607.40	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0341 EA 30" x 10" Mechanical Joint Ductile Iron Cross.....	9,039.84	516.56
For Cement Mortar Lining (CML), Add	825.72	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,486.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	619.29	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0342 EA 30" x 12" Mechanical Joint Ductile Iron Cross.....	9,213.56	527.53
For Cement Mortar Lining (CML), Add	841.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,514.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	631.07	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0343 EA 30" x 14" Mechanical Joint Ductile Iron Cross.....	9,419.88	544.03
For Cement Mortar Lining (CML), Add	859.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,547.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	644.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0344 EA 30" x 16" Mechanical Joint Ductile Iron Cross.....	9,657.62	567.08
For Cement Mortar Lining (CML), Add	879.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,583.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	659.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0345 EA 30" x 18" Mechanical Joint Ductile Iron Cross.....	9,939.78	604.39
For Cement Mortar Lining (CML), Add	902.40	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,624.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	676.80	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0346 EA 30" x 20" Mechanical Joint Ductile Iron Cross.....	10,302.97	665.96
For Cement Mortar Lining (CML), Add	929.39	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,672.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	697.05	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0347 EA 30" x 24" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,218.75 1,209.44 2,176.99 907.08	742.07
33 14 13 13-0348 EA 30" x 30" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,201.19 1,390.24 2,502.42 1,042.68	857.24
33 14 13 13-0349 EA 36" x 8" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,334.71 1,150.60 2,071.09 862.95	546.92
33 14 13 13-0350 EA 36" x 10" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,510.12 1,166.31 2,099.36 874.73	559.01
33 14 13 13-0351 EA 36" x 12" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,661.00 1,179.74 2,123.53 884.80	570.00
33 14 13 13-0352 EA 36" x 14" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,843.05 1,195.45 2,151.80 896.58	586.47
33 14 13 13-0353 EA 36" x 16" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,057.95 1,213.44 2,184.19 910.08	609.54
33 14 13 13-0354 EA 36" x 18" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,315.82 1,233.58 2,220.44 925.18	646.83
33 14 13 13-0355 EA 36" x 20" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,656.16 1,258.28 2,264.91 943.71	708.40
33 14 13 13-0356 EA 36" x 24" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,242.74 1,305.41 2,349.73 979.06	784.52
33 14 13 13-0357 EA 36" x 30" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,149.90 1,778.67 3,201.61 1,334.01	899.68
33 14 13 13-0358 EA 36" x 36" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,030.73 1,960.33 3,528.59 1,470.24	942.18

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0359 EA 42" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,525.44 1,562.46 2,812.43 1,171.85	594.54
33 14 13 13-0360 EA 42" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,672.17 1,774.64 3,194.35 1,330.98	611.02
33 14 13 13-0361 EA 42" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,906.67 1,594.59 2,870.27 1,195.95	634.09
33 14 13 13-0362 EA 42" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,135.99 1,611.87 2,901.37 1,208.91	671.39
33 14 13 13-0363 EA 42" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,464.91 1,635.44 2,943.79 1,226.58	732.96
33 14 13 13-0364 EA 42" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,010.08 1,678.42 3,021.16 1,258.82	809.06
33 14 13 13-0365 EA 42" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,034.33 2,163.40 3,894.12 1,622.55	924.24
33 14 13 13-0366 EA 42" x 36" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	30,031.98 2,856.73 5,142.12 2,142.55	966.68
33 14 13 13-0367 EA 42" x 42" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	32,171.31 3,066.95 5,520.50 2,300.21	991.24
33 14 13 13-0368 EA 48" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,318.30 2,126.98 3,828.57 1,595.24	691.99
33 14 13 13-0369 EA 48" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,471.80 2,139.84 3,851.70 1,604.88	708.48
33 14 13 13-0370 EA 48" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,678.12 2,156.97 3,882.55 1,617.73	731.55



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0371 EA 48" x 18" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,906.00 2,174.11 3,913.40 1,630.58	768.85
33 14 13 13-0372 EA 48" x 20" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,214.94 2,195.67 3,952.21 1,646.75	830.42
33 14 13 13-0373 EA 48" x 24" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,737.25 2,236.37 4,025.47 1,677.28	906.52
33 14 13 13-0374 EA 48" x 30" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	25,135.62 2,358.76 4,245.77 1,769.07	1,021.69
33 14 13 13-0375 EA 48" x 36" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	30,758.02 2,914.57 5,246.22 2,185.93	1,064.14
33 14 13 13-0376 EA 48" x 42" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	39,487.93 3,783.84 6,810.91 2,837.88	1,088.69
33 14 13 13-0377 EA 48" x 48" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	42,060.48 4,026.33 7,247.39 3,019.75	1,186.09
<b>33 14 13 13-0378 Mechanical Joint x Mechanical Joint Ductile Iron Reducers</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0379 EA 4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	145.69 8.28 14.91 6.21	41.49
33 14 13 13-0380 EA 6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	170.20 9.14 16.45 6.86	52.00
33 14 13 13-0381 EA 6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	183.86 10.00 17.99 7.50	55.37
33 14 13 13-0382 EA 8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	231.72 13.71 24.68 10.28	62.39
33 14 13 13-0383 EA 8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	256.11 14.57 26.22 10.92	72.89

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0384 EA 10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	277.11	65.07
For Cement Mortar Lining (CML), Add	17.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	32.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.39	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0385 EA 10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	302.08	74.96
For Cement Mortar Lining (CML), Add	18.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	33.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0386 EA 10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	330.64	81.56
For Cement Mortar Lining (CML), Add	20.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	37.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0387 EA 12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	334.22	71.66
For Cement Mortar Lining (CML), Add	22.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	40.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.92	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0388 EA 12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	372.05	81.56
For Cement Mortar Lining (CML), Add	24.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	44.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.64	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0389 EA 12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	389.20	88.15
For Cement Mortar Lining (CML), Add	25.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	46.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.17	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0390 EA 12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	425.98	94.53
For Cement Mortar Lining (CML), Add	28.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	50.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.21	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0391 EA 14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	691.34	92.47
For Cement Mortar Lining (CML), Add	55.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	99.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.34	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0392 EA 14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	672.78	99.07
For Cement Mortar Lining (CML), Add	52.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	94.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0393 EA 14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	605.31	105.44
For Cement Mortar Lining (CML), Add	44.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	80.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0394 EA 14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	636.73	112.04
For Cement Mortar Lining (CML), Add	46.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	84.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.02	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0395 EA 16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	811.72	107.82
For Cement Mortar Lining (CML), Add	64.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	116.70	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.63	
Note: ANSI/AWWA C151/A21.51		



	<b>Utilities</b>	<b>33</b>
	<b>Water Utilities</b>	<b>33 10</b>
	<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0396	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	797.44 62.41 112.33 46.81	114.42
33 14 13	13-0397	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	784.24 60.12 108.22 45.09	120.79
33 14 13	13-0398	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	849.93 65.69 118.25 49.27	127.39
33 14 13	13-0399	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	945.01 73.55 132.38 55.16	138.31
33 14 13	13-0400	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,013.66 80.12 144.21 60.09	140.25
33 14 13	13-0401	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,134.70 91.25 164.26 68.44	146.62
33 14 13	13-0402	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,096.14 86.40 155.52 64.80	153.22
33 14 13	13-0403	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,162.66 91.40 164.51 68.55	164.14
33 14 13	13-0404	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,225.91 95.40 171.71 71.55	179.49
33 14 13	13-0405	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,429.82 113.96 205.13 85.47	191.54
33 14 13	13-0406	EA	20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,373.78 107.39 193.31 80.54	197.91
33 14 13	13-0407	EA	20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,270.96 96.11 173.00 72.08	204.50

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0408 EA 20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,280.35	215.42
For Cement Mortar Lining (CML), Add	95.40	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	171.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0409 EA 20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,323.60	230.77
For Cement Mortar Lining (CML), Add	97.40	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	175.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	73.05	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410 EA 20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,584.10	256.60
For Cement Mortar Lining (CML), Add	119.53	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	215.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	89.65	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411 EA 24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,859.67	255.62
For Cement Mortar Lining (CML), Add	147.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	265.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	110.43	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412 EA 24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,913.33	266.55
For Cement Mortar Lining (CML), Add	150.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	271.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	113.21	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413 EA 24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,956.58	281.89
For Cement Mortar Lining (CML), Add	152.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	275.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	114.71	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414 EA 24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,928.60	307.72
For Cement Mortar Lining (CML), Add	146.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	263.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	109.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415 EA 24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,354.76	359.01
For Cement Mortar Lining (CML), Add	181.08	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	325.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	135.81	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-0416 Mechanical Joint Ductile Iron Caps</b> (33 14 13 13-0002)		
33 14 13 13-0417 EA 3" Mechanical Joint Ductile Iron Caps.....	169.88	87.61
For Cement Mortar Lining (CML), Add	3.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	6.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0418 EA 4" Mechanical Joint Ductile Iron Caps.....	194.32	102.80
For Cement Mortar Lining (CML), Add	3.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	6.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.89	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419 EA 6" Mechanical Joint Ductile Iron Caps.....	263.24	128.50
For Cement Mortar Lining (CML), Add	6.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	12.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0420 EA 8" Mechanical Joint Ductile Iron Caps.....	336.76	146.87
For Cement Mortar Lining (CML), Add	11.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	20.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.57	
Note: ANSI/AWWA C151/A21.51		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0421 EA 10" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	477.32 14.42 25.96 10.82	219.83
33 14 13 13-0422 EA 12" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	579.00 21.56 38.82 16.17	239.82
33 14 13 13-0423 EA 14" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	726.72 32.70 58.87 24.53	263.80
33 14 13 13-0424 EA 16" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	882.53 43.84 78.92 32.88	293.08
33 14 13 13-0425 EA 18" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,035.15 53.55 96.40 40.16	329.74
33 14 13 13-0426 EA 20" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,263.61 69.26 124.67 51.95	376.81
33 14 13 13-0427 EA 24" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,617.26 95.11 171.20 71.33	439.67
33 14 13 13-0428 EA 30" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,974.36 217.50 391.49 163.12	527.60
33 14 13 13-0429 EA 36" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,955.01 395.58 712.04 296.68	659.50
33 14 13 13-0430 EA 42" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,198.45 599.94 1,079.88 449.95	791.40
33 14 13 13-0431 EA 48" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,561.25 722.89 1,301.21 542.17	879.33
<b>33 14 13 13-0432 Mechanical Joint Ductile Iron Plug</b> (33 14 13 13-0002)		
33 14 13 13-0433 EA 3" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	175.59 4.28 7.71 3.21	87.61

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0434 EA 4" Mechanical Joint Ductile Iron Plug.....	202.89	102.80
For Cement Mortar Lining (CML), Add	4.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	8.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0435 EA 6" Mechanical Joint Ductile Iron Plug.....	286.09	128.50
For Cement Mortar Lining (CML), Add	9.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	16.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.86	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0436 EA 8" Mechanical Joint Ductile Iron Plug.....	359.61	146.87
For Cement Mortar Lining (CML), Add	13.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	24.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.28	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0437 EA 10" Mechanical Joint Ductile Iron Plug.....	570.14	219.83
For Cement Mortar Lining (CML), Add	23.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	42.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0438 EA 12" Mechanical Joint Ductile Iron Plug.....	604.71	239.82
For Cement Mortar Lining (CML), Add	24.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	43.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0439 EA 14" Mechanical Joint Ductile Iron Plug.....	890.95	263.80
For Cement Mortar Lining (CML), Add	49.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	88.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	36.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0440 EA 16" Mechanical Joint Ductile Iron Plug.....	506.95	293.08
For Cement Mortar Lining (CML), Add	6.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	11.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.71	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0441 EA 18" Mechanical Joint Ductile Iron Plug.....	1,279.35	329.74
For Cement Mortar Lining (CML), Add	77.97	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	140.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	58.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0442 EA 20" Mechanical Joint Ductile Iron Plug.....	1,596.35	376.81
For Cement Mortar Lining (CML), Add	102.54	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	184.56	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	76.90	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0443 EA 24" Mechanical Joint Ductile Iron Plug.....	2,088.53	439.67
For Cement Mortar Lining (CML), Add	142.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	256.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	106.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0444 EA 30" Mechanical Joint Ductile Iron Plug.....	3,622.70	527.60
For Cement Mortar Lining (CML), Add	282.33	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	508.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	211.75	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0445 EA 36" Mechanical Joint Ductile Iron Plug.....	5,360.59	659.50
For Cement Mortar Lining (CML), Add	436.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	785.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	327.10	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0446 EA 42" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,249.87 605.08 1,089.14 453.81	791.40
33 14 13 13-0447 EA 48" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,398.11 806.58 1,451.84 604.94	879.33
<b>33 14 13 13-0448 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0449 EA 3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	294.60 9.28 16.71 6.96	133.17
33 14 13 13-0450 EA 4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	333.60 10.00 17.99 7.50	154.20
33 14 13 13-0451 EA 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	430.56 13.85 24.93 10.39	192.74
33 14 13 13-0452 EA 8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	543.69 20.99 37.79 15.74	220.25
33 14 13 13-0453 EA 10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	865.21 36.56 65.81 27.42	329.74
33 14 13 13-0454 EA 12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,013.45 46.84 84.31 35.13	359.72
33 14 13 13-0455 EA 14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,343.57 74.40 133.93 55.80	395.70
33 14 13 13-0456 EA 16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,515.87 84.97 152.95 63.73	439.67
33 14 13 13-0457 EA 18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,048.97 129.96 233.92 97.47	494.62
33 14 13 13-0458 EA 20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,404.53 154.80 278.65 116.10	565.27

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0459 EA 24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,905.72 190.65 343.17 142.99	659.50
33 14 13 13-0460 EA 30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,707.88 350.88 631.58 263.16	791.40
33 14 13 13-0461 EA 36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,527.12 502.83 905.09 377.12	989.24
33 14 13 13-0462 EA 42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,723.41 701.04 1,261.88 525.78	1,130.53
33 14 13 13-0463 EA 48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,778.32 877.98 1,580.37 658.49	1,318.99
<b>33 14 13 13-0464 Mechanical Joint Ductile Iron Long Sleeves</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0465 EA 3" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	280.31 7.85 14.14 5.89	133.17
33 14 13 13-0466 EA 4" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	326.46 9.28 16.71 6.96	154.20
33 14 13 13-0467 EA 6" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	447.70 15.57 28.02 11.67	192.74
33 14 13 13-0468 EA 8" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	589.39 25.56 46.01 19.17	220.25
33 14 13 13-0469 EA 10" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	803.80 30.42 54.75 22.81	329.74
33 14 13 13-0470 EA 12" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	956.33 41.13 74.03 30.85	359.72
33 14 13 13-0471 EA 14" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,220.75 62.12 111.82 46.59	395.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0472 EA 16" Mechanical Joint Ductile Iron Long Sleeves ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,453.03 78.69 141.64 59.02	439.67
33 14 13 13-0473 EA 18" Mechanical Joint Ductile Iron Long Sleeves ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,756.22 100.68 181.22 75.51	494.62
33 14 13 13-0474 EA 20" Mechanical Joint Ductile Iron Long Sleeves ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,071.79 121.53 218.75 91.15	565.27
33 14 13 13-0475 EA 24" Mechanical Joint Ductile Iron Long Sleeves ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,600.11 160.09 288.16 120.07	659.50
33 14 13 13-0476 EA 30" Mechanical Joint Ductile Iron Long Sleeves ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,552.22 335.31 603.56 251.48	791.40
33 14 13 13-0477 EA 36" Mechanical Joint Ductile Iron Long Sleeves ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,207.23 470.84 847.51 353.13	989.24
33 14 13 13-0478 EA 42" Mechanical Joint Ductile Iron Long Sleeves ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,008.85 629.78 1,133.61 472.34	1,129.23
33 14 13 13-0479 EA 48" Mechanical Joint Ductile Iron Long Sleeves ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,845.44 884.70 1,592.45 663.52	1,318.99
<b>33 14 13 13-0480 Mechanical Joint Ductile Iron Gland Packs</b> <small>(33 14 13 13-0002)</small> Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
<b>33 14 13 13-0481 Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts</b> <small>(33 14 13 13-0480)</small> Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0482 EA 3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	28.56	
33 14 13 13-0483 EA 4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	53.06	
33 14 13 13-0484 EA 6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	64.11	
33 14 13 13-0485 EA 8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	75.16	
33 14 13 13-0486 EA 10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	103.90	
33 14 13 13-0487 EA 12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	110.53	
33 14 13 13-0488 EA 14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	181.27	
33 14 13 13-0489 EA 16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	192.33	
33 14 13 13-0490 EA 18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	256.43	
33 14 13 13-0491 EA 20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	331.60	
33 14 13 13-0492 EA 24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	462.02	
33 14 13 13-0493 EA 30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	1,103.11	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0494 EA 36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	2,378.65	
Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0495 EA 42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	3,472.92	
Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0496 EA 48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	4,262.11	
Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.		
<b>33 14 13 13-0497 Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts</b> <small>(33 14 13 13-0490)</small>		
Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0498 EA 3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	48.55	
33 14 13 13-0499 EA 4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	75.16	
Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0500 EA 6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	95.06	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0501 EA 8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	103.90	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0502 EA 10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	143.69	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0503 EA 12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	150.32	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0504 EA 14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	227.70	
Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0505 EA 16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	249.80	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0506 EA 18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	331.60	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0507 EA 20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	428.86	
Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0508 EA 24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	599.08	
Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
<b>33 14 13 13-0509 Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts</b> <small>(33 14 13 13-0490)</small>		
Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0510 EA 3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	31.42	
33 14 13 13-0511 EA 4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	57.48	
Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0512 EA 6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	68.53	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0513 EA 8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	81.79	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0514 EA 10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	112.74	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0515 EA 12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	119.37	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0516 EA 14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	196.75	
Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0517 EA 16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	207.80	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0518 EA 18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	280.75	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0519 EA 20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	360.33	
Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0520 EA 24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	504.03	
Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0521 EA 30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	1,207.01	
Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0522 EA 36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	2,674.87	
Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0523 EA 42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	3,873.04	
Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0524 EA 48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	4,766.14	
Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.		
<b>33 14 13 13-0525 Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series)</b> <small>(33 14 13 13-0002)</small>		
Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0526 EA 3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC).....	184.86	66.79
33 14 13 13-0527 EA 4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC).....	210.74	79.12
33 14 13 13-0528 EA 6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC).....	261.44	97.91
33 14 13 13-0529 EA 8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC).....	326.57	114.26
33 14 13 13-0530 EA 10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC).....	469.15	164.87
33 14 13 13-0531 EA 12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC).....	579.53	188.45
33 14 13 13-0532 EA 14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC).....	676.09	202.85
33 14 13 13-0533 EA 16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC).....	835.50	219.83
33 14 13 13-0534 EA 18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC).....	1,073.47	263.80
33 14 13 13-0535 EA 20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC).....	1,268.43	292.98
33 14 13 13-0536 EA 24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC).....	1,650.47	338.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0537 EA 30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC).....	3,223.38	405.39
33 14 13 13-0538 EA 36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC).....	3,980.04	507.32
33 14 13 13-0539 EA 42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC).....	5,886.43	585.35
33 14 13 13-0540 EA 48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC).....	7,537.99	752.82
<b>33 14 13 13-0541 Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®)</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0542 EA 3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,024.19	54.67
33 14 13 13-0543 EA 4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,189.43	68.33
33 14 13 13-0544 EA 6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	6,079.09	100.99
33 14 13 13-0545 EA 8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	8,262.47	119.79
33 14 13 13-0546 EA 10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	10,414.38	131.60
33 14 13 13-0547 EA 12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	13,892.39	154.39
33 14 13 13-0548 EA 14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	17,115.22	173.12
33 14 13 13-0549 EA 16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	20,248.72	197.84
33 14 13 13-0550 EA 18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	22,823.97	276.99
33 14 13 13-0551 EA 20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	30,707.66	346.23
33 14 13 13-0552 EA 24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	42,550.65	461.64
<b>33 14 13 13-0553 Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series)</b> <small>(33 14 13 13-0002)</small>		
Note: Includes machined bolts and gasket.		
33 14 13 13-0554 EA 3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM).....	183.51	66.79
33 14 13 13-0555 EA 4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM).....	235.78	79.12
33 14 13 13-0556 EA 6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM).....	304.87	97.91
33 14 13 13-0557 EA 8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM).....	347.87	114.26
33 14 13 13-0558 EA 10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM).....	611.83	175.22
33 14 13 13-0559 EA 12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM).....	692.38	200.29
<b>33 14 13 13-0560 Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series)</b> <small>(33 14 13 13-0002)</small>		
Note: Includes nuts, bolts and gasket.		
33 14 13 13-0561 EA 3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2103000).....	268.59	66.79
33 14 13 13-0562 EA 4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400).....	334.22	79.12
33 14 13 13-0563 EA 6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600).....	463.14	97.91
33 14 13 13-0564 EA 8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800).....	670.60	114.26
33 14 13 13-0565 EA 10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000).....	971.16	175.22
33 14 13 13-0566 EA 12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200).....	1,208.12	200.29
33 14 13 13-0567 EA 14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400).....	1,864.81	215.58
33 14 13 13-0568 EA 16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600).....	2,615.91	233.63
33 14 13 13-0569 EA 18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800).....	2,958.21	280.35
33 14 13 13-0570 EA 20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000).....	3,267.66	311.37
33 14 13 13-0571 EA 24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400).....	3,953.71	359.26
33 14 13 13-0572 EA 30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000).....	5,087.79	430.84
33 14 13 13-0573 EA 36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600).....	7,603.00	539.15
33 14 13 13-0574 EA 42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200).....	19,859.73	622.09
33 14 13 13-0575 EA 48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800).....	25,437.36	800.08
<b>33 14 13 13-0576 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping</b> <small>(33 14 13 13-0001)</small>		
Note: . See CSI section 33 14 13 13-0480 for bolts and gaskets.		
<b>33 14 13 13-0577 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow</b> <small>(33 14 13 13-0576)</small>		
33 14 13 13-0578 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	361.95	38.13
33 14 13 13-0579 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	433.19	45.66
33 14 13 13-0580 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	671.75	66.90
33 14 13 13-0581 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	916.49	79.65
33 14 13 13-0582 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,252.50	87.93
33 14 13 13-0583 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,586.81	102.92
33 14 13 13-0584 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	2,251.29	115.91
33 14 13 13-0585 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	2,730.40	131.90
33 14 13 13-0586 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	3,302.99	184.86
33 14 13 13-0587 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	4,116.99	230.83
33 14 13 13-0588 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	5,818.21	307.77
33 14 13 13-0589 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	9,292.31	329.74
33 14 13 13-0590 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	13,665.53	342.74
33 14 13 13-0591 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	22,490.58	395.70
33 14 13 13-0592 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	29,406.49	420.68
<b>33 14 13 13-0593 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow</b> <small>(33 14 13 13-0576)</small>		
33 14 13 13-0594 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	346.24	38.13
33 14 13 13-0595 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	406.06	45.66

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 13-0596	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	624.63	66.90
33 14 13 13-0597	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	843.66	79.65
33 14 13 13-0598	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,098.27	87.93
33 14 13 13-0599	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,448.28	102.92
33 14 13 13-0600	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,954.25	115.91
33 14 13 13-0601	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	2,339.10	131.90
33 14 13 13-0602	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	2,770.31	184.86
33 14 13 13-0603	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	3,364.39	230.83
33 14 13 13-0604	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	4,434.40	307.77
33 14 13 13-0605	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	8,125.57	329.74
33 14 13 13-0606	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	11,219.23	342.74
33 14 13 13-0607	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	16,655.44	395.70
33 14 13 13-0608	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	21,309.28	420.68

**33 14 13 13-0609 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow**

<small>(33 14 13 13-0576)</small>				
33 14 13 13-0610	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	270.55	38.13
33 14 13 13-0611	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	401.77	45.66
33 14 13 13-0612	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	607.49	66.90
33 14 13 13-0613	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	837.95	79.65
33 14 13 13-0614	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	1,096.84	87.93
33 14 13 13-0615	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	1,365.45	102.92
33 14 13 13-0616	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	1,965.67	115.91
33 14 13 13-0617	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	2,287.69	131.90
33 14 13 13-0618	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	2,757.46	184.86
33 14 13 13-0619	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	3,482.92	230.83
33 14 13 13-0620	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	4,340.15	307.77
33 14 13 13-0621	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	7,235.87	329.74
33 14 13 13-0622	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	9,862.56	342.74
33 14 13 13-0623	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	14,100.61	395.70
33 14 13 13-0624	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	18,043.26	420.68

**33 14 13 13-0625 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow**

<small>(33 14 13 13-0576)</small>				
33 14 13 13-0626	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	270.55	38.13
33 14 13 13-0627	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	480.32	45.66
33 14 13 13-0628	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	613.20	66.90
33 14 13 13-0629	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	812.24	79.65
33 14 13 13-0630	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	1,093.99	87.93
33 14 13 13-0631	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	1,326.90	102.92
33 14 13 13-0632	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	2,115.62	115.91
33 14 13 13-0633	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	2,357.67	131.90
33 14 13 13-0634	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	3,163.03	184.86
33 14 13 13-0635	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	3,360.10	230.83
33 14 13 13-0636	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	4,341.58	307.77
33 14 13 13-0637	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	7,330.13	329.74
33 14 13 13-0638	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	9,592.65	342.74
33 14 13 13-0639	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	13,715.03	395.70
33 14 13 13-0640	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	17,940.44	420.68

**33 14 13 13-0641 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow**

<small>(33 14 13 13-0576)</small>				
33 14 13 13-0642	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	317.68	38.13
33 14 13 13-0643	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	466.04	45.66
33 14 13 13-0644	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	726.02	66.90
33 14 13 13-0645	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	985.04	79.65
33 14 13 13-0646	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	1,352.47	87.93
33 14 13 13-0647	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	1,696.77	102.92
33 14 13 13-0648	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	3,041.02	115.91
33 14 13 13-0649	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	4,739.71	131.90
33 14 13 13-0650	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	5,420.83	184.86
33 14 13 13-0651	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	6,250.54	230.83
33 14 13 13-0652	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	6,766.46	307.77





		MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
		CSI	UOM	UNIT COST	UNIT COST
<b>33 14 13 13-0653 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0576)</small></b>					
33 14 13 13-0654	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	317.68	38.13
33 14 13 13-0655	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	411.76	45.66
33 14 13 13-0656	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	647.48	66.90
33 14 13 13-0657	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	913.63	79.65
33 14 13 13-0658	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	1,208.24	87.93
33 14 13 13-0659	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	1,571.10	102.92
33 14 13 13-0660	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	2,091.33	115.91
33 14 13 13-0661	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	2,511.90	131.90
33 14 13 13-0662	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	4,692.51	184.86
33 14 13 13-0663	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	4,928.13	230.83
33 14 13 13-0664	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	5,141.30	307.77
<b>33 14 13 13-0665 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee <small>(33 14 13 13-0576)</small></b>					
33 14 13 13-0666	EA		3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	447.96	57.20
33 14 13 13-0667	EA		4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	488.99	64.48
33 14 13 13-0668	EA		4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	516.09	66.90
33 14 13 13-0669	EA		6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	734.01	84.81
33 14 13 13-0670	EA		6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	795.00	88.14
33 14 13 13-0671	EA		6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	839.49	98.76
33 14 13 13-0672	EA		8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	974.78	101.95
33 14 13 13-0673	EA		8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,054.97	112.57
33 14 13 13-0674	EA		8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,159.85	120.00
33 14 13 13-0675	EA		10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,303.38	108.92
33 14 13 13-0676	EA		10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,302.66	118.91
33 14 13 13-0677	EA		10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,411.20	125.90
33 14 13 13-0678	EA		10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,522.24	131.90
33 14 13 13-0679	EA		12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,567.57	121.91
33 14 13 13-0680	EA		12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,582.55	131.90
33 14 13 13-0681	EA		12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,711.08	138.89
33 14 13 13-0682	EA		12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,970.65	144.89
33 14 13 13-0683	EA		12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	1,976.35	151.89
33 14 13 13-0684	EA		14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	2,236.85	153.88
33 14 13 13-0685	EA		14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	2,419.64	160.87
33 14 13 13-0686	EA		14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	2,933.41	166.87
33 14 13 13-0687	EA		14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	3,096.20	173.87
33 14 13 13-0688	EA		14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	2,871.40	184.86
33 14 13 13-0689	EA		16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	2,676.01	184.86
33 14 13 13-0690	EA		16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	2,820.34	190.85
33 14 13 13-0691	EA		16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	3,379.80	197.84
33 14 13 13-0692	EA		16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	3,172.73	203.84
33 14 13 13-0693	EA		16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	4,133.22	214.84
33 14 13 13-0694	EA		16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	3,743.77	230.83
33 14 13 13-0695	EA		18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	3,512.69	236.82
33 14 13 13-0696	EA		18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	3,704.05	242.82
33 14 13 13-0697	EA		18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	3,946.48	248.81
33 14 13 13-0698	EA		18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	4,170.68	255.80
33 14 13 13-0699	EA		18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	4,285.76	266.79
33 14 13 13-0700	EA		18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	4,578.94	281.79
33 14 13 13-0701	EA		18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	5,110.76	307.77
33 14 13 13-0702	EA		20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	4,046.52	338.74
33 14 13 13-0703	EA		20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	4,115.08	345.73
33 14 13 13-0704	EA		20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	4,518.88	351.73
33 14 13 13-0705	EA		20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	4,740.23	358.73
33 14 13 13-0706	EA		20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	4,788.18	369.72
33 14 13 13-0707	EA		20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	4,730.04	384.71
33 14 13 13-0708	EA		20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	6,037.32	410.68
33 14 13 13-0709	EA		20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	5,161.07	461.64
33 14 13 13-0710	EA		24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	4,915.49	440.66
33 14 13 13-0711	EA		24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	4,962.62	448.66
33 14 13 13-0712	EA		24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	5,052.24	453.66
33 14 13 13-0713	EA		24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	5,185.05	460.65
33 14 13 13-0714	EA		24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	5,891.34	471.64
33 14 13 13-0715	EA		24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	6,144.54	486.63
33 14 13 13-0716	EA		24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	7,551.78	512.61
33 14 13 13-0717	EA		24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	7,800.85	564.57
33 14 13 13-0718	EA		24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee .....	7,328.49	615.53



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0719	EA	30"	x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,572.92	513.61
33 14 13 13-0720	EA	30"	x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,165.92	520.60
33 14 13 13-0721	EA	30"	x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,628.28	526.59
33 14 13 13-0722	EA	30"	x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,092.40	533.59
33 14 13 13-0723	EA	30"	x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,751.58	544.58
33 14 13 13-0724	EA	30"	x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,463.17	724.45
33 14 13 13-0725	EA	30"	x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,419.48	585.55
33 14 13 13-0726	EA	30"	x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,412.93	636.52
33 14 13 13-0727	EA	30"	x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,851.70	687.48
33 14 13 13-0728	EA	30"	x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,943.18	724.45
33 14 13 13-0729	EA	36"	x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,853.35	577.56
33 14 13 13-0730	EA	36"	x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,899.80	583.55
33 14 13 13-0731	EA	36"	x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,465.31	590.55
33 14 13 13-0732	EA	36"	x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,866.01	601.54
33 14 13 13-0733	EA	36"	x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,269.13	616.53
33 14 13 13-0734	EA	36"	x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,045.15	642.51
33 14 13 13-0735	EA	36"	x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,861.17	693.47
33 14 13 13-0736	EA	36"	x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,248.19	744.43
33 14 13 13-0737	EA	36"	x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,085.47	809.38
33 14 13 13-0738	EA	36"	x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	18,524.89	809.38
33 14 13 13-0739	EA	42"	x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	21,064.15	622.53
33 14 13 13-0740	EA	42"	x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	21,487.69	632.52
33 14 13 13-0741	EA	42"	x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	23,627.35	648.50
33 14 13 13-0742	EA	42"	x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	26,925.38	674.48
33 14 13 13-0743	EA	42"	x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	27,003.08	725.44
33 14 13 13-0744	EA	42"	x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	22,353.60	776.41
33 14 13 13-0745	EA	42"	x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	22,755.66	813.38
33 14 13 13-0746	EA	42"	x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	28,176.92	841.35
33 14 13 13-0747	EA	48"	x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	29,697.64	857.34
33 14 13 13-0748	EA	48"	x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	24,559.75	672.48
33 14 13 13-0749	EA	48"	x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	25,000.43	683.48
33 14 13 13-0750	EA	48"	x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	25,626.34	699.47
33 14 13 13-0751	EA	48"	x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	26,263.85	724.45
33 14 13 13-0752	EA	48"	x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	26,944.20	776.41
33 14 13 13-0753	EA	48"	x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	27,101.63	827.37
33 14 13 13-0754	EA	48"	x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	29,097.44	863.34
33 14 13 13-0755	EA	48"	x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	23,418.22	892.32
33 14 13 13-0756	EA	48"	x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	29,348.85	908.30
33 14 13 13-0757	EA	48"	x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	39,076.76	933.29

### 33 14 13 13-0758 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) (33 14 13 13-0576)

33 14 13 13-0759	EA	3"	x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	502.42	63.92
33 14 13 13-0760	EA	4"	x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	552.41	63.92
33 14 13 13-0761	EA	4"	x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	647.48	66.90
33 14 13 13-0762	EA	6"	x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	715.44	84.81
33 14 13 13-0763	EA	6"	x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	797.86	88.14
33 14 13 13-0764	EA	6"	x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	975.16	98.76
33 14 13 13-0765	EA	8"	x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,278.96	101.95
33 14 13 13-0766	EA	8"	x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,180.64	112.57
33 14 13 13-0767	EA	8"	x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,326.94	120.00
33 14 13 13-0768	EA	10"	x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,873.18	108.92
33 14 13 13-0769	EA	10"	x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,951.01	118.91
33 14 13 13-0770	EA	10"	x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,182.36	125.90
33 14 13 13-0771	EA	10"	x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,381.95	131.90
33 14 13 13-0772	EA	12"	x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,285.90	121.91
33 14 13 13-0773	EA	12"	x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,592.20	131.90
33 14 13 13-0774	EA	12"	x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,067.76	138.89
33 14 13 13-0775	EA	12"	x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,070.27	144.89
33 14 13 13-0776	EA	12"	x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,833.20	151.89
33 14 13 13-0777	EA	14"	x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,367.89	153.88
33 14 13 13-0778	EA	14"	x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,872.00	160.87
33 14 13 13-0779	EA	14"	x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,102.66	166.87
33 14 13 13-0780	EA	14"	x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,472.53	173.87
33 14 13 13-0781	EA	14"	x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,331.98	184.86
33 14 13 13-0782	EA	16"	x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,505.81	184.86
33 14 13 13-0783	EA	16"	x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,872.83	190.85
33 14 13 13-0784	EA	16"	x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,597.95	197.84
33 14 13 13-0785	EA	16"	x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,743.62	203.84
33 14 13 13-0786	EA	16"	x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,876.91	214.84
33 14 13 13-0787	EA	16"	x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,557.43	230.83
33 14 13 13-0788	EA	18"	x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,969.33	236.82
33 14 13 13-0789	EA	18"	x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,360.63	242.82
33 14 13 13-0790	EA	18"	x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,738.72	248.81
33 14 13 13-0791	EA	18"	x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,148.57	255.80
33 14 13 13-0792	EA	18"	x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,210.81	266.79
33 14 13 13-0793	EA	18"	x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,281.21	281.79
33 14 13 13-0794	EA	18"	x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,690.56	307.77
33 14 13 13-0795	EA	20"	x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,848.76	338.74
33 14 13 13-0796	EA	20"	x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,977.30	345.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0797 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	6,586.74	351.73
33 14 13 13-0798 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	7,190.81	358.73
33 14 13 13-0799 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	7,257.34	369.72
33 14 13 13-0800 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	7,334.86	384.71
33 14 13 13-0801 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	8,525.03	410.68
33 14 13 13-0802 EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	8,020.09	461.64
33 14 13 13-0803 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	7,087.60	440.66
33 14 13 13-0804 EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	7,179.00	447.66
33 14 13 13-0805 EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	8,028.36	453.66
33 14 13 13-0806 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	8,413.94	460.65
33 14 13 13-0807 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	9,760.01	471.64
33 14 13 13-0808 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	10,872.91	486.63
33 14 13 13-0809 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	12,190.19	512.61
33 14 13 13-0810 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	13,393.21	564.57
33 14 13 13-0811 EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	11,795.52	615.53
33 14 13 13-0812 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	14,939.30	513.61
33 14 13 13-0813 EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	16,791.52	520.60
33 14 13 13-0814 EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	17,785.13	526.59
33 14 13 13-0815 EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	18,780.50	533.59
33 14 13 13-0816 EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	20,190.84	544.58
33 14 13 13-0817 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	21,706.45	559.58
33 14 13 13-0818 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	22,245.41	585.55
33 14 13 13-0819 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	23,021.45	636.52
33 14 13 13-0820 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	24,105.71	687.48
33 14 13 13-0821 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	26,142.93	724.45
33 14 13 13-0822 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	28,841.85	590.55
33 14 13 13-0823 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	29,982.28	601.54
33 14 13 13-0824 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	31,115.15	616.53
33 14 13 13-0825 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	33,303.55	642.51
33 14 13 13-0826 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	35,539.08	693.47
33 14 13 13-0827 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	39,440.95	744.43
33 14 13 13-0828 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	44,224.36	781.40
33 14 13 13-0829 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	52,874.50	809.38
33 14 13 13-0830 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	46,516.37	725.44
33 14 13 13-0831 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	47,652.04	776.41
33 14 13 13-0832 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	50,914.54	813.38
33 14 13 13-0833 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	58,293.70	841.35
33 14 13 13-0834 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	68,861.30	857.34
33 14 13 13-0835 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	45,841.98	776.41
33 14 13 13-0836 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	51,960.22	827.37
33 14 13 13-0837 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	55,392.68	863.34
33 14 13 13-0838 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	63,215.96	892.32
33 14 13 13-0839 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	82,859.01	908.30
33 14 13 13-0840 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	91,018.89	933.29
<b>33 14 13 13-0841 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee</b> <small>(33 14 13 13-0576)</small>		
33 14 13 13-0842 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	892.33	98.76
33 14 13 13-0843 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,109.24	112.57
33 14 13 13-0844 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,588.28	118.91
33 14 13 13-0845 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,828.18	131.90
33 14 13 13-0846 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,418.21	153.88
33 14 13 13-0847 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,946.01	184.86
33 14 13 13-0848 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	3,476.99	236.82
33 14 13 13-0849 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	4,673.45	338.74
33 14 13 13-0850 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	5,453.31	440.66
33 14 13 13-0851 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	9,913.89	513.61
<b>33 14 13 13-0852 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross</b> <small>(33 14 13 13-0576)</small>		
33 14 13 13-0853 EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	499.69	76.26
33 14 13 13-0854 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	624.14	82.98
33 14 13 13-0855 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	780.07	83.89
33 14 13 13-0856 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	827.36	104.01
33 14 13 13-0857 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	968.22	112.57
33 14 13 13-0858 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,069.24	140.18
33 14 13 13-0859 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,028.43	123.18
33 14 13 13-0860 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,212.29	150.80
33 14 13 13-0861 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,199.67	161.42

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0862 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,207.15	127.90
33 14 13 13-0863 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,352.79	153.88
33 14 13 13-0864 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,607.71	163.88
33 14 13 13-0865 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,741.72	175.87
33 14 13 13-0866 EA 12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,552.24	138.89
33 14 13 13-0867 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,796.42	164.87
33 14 13 13-0868 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,949.94	174.86
33 14 13 13-0869 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,275.31	186.86
33 14 13 13-0870 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,598.98	197.84
33 14 13 13-0871 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,688.24	180.86
33 14 13 13-0872 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,188.78	190.85
33 14 13 13-0873 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,265.67	203.84
33 14 13 13-0874 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,446.52	213.83
33 14 13 13-0875 EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,819.94	230.83
33 14 13 13-0876 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,008.80	204.84
33 14 13 13-0877 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,443.66	213.83
33 14 13 13-0878 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,154.61	226.83
33 14 13 13-0879 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,646.80	237.82
33 14 13 13-0880 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,647.13	253.81
33 14 13 13-0881 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,893.44	276.78
33 14 13 13-0882 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,201.72	241.81
33 14 13 13-0883 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,503.77	251.81
33 14 13 13-0884 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,762.02	263.80
33 14 13 13-0885 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,259.90	274.79
33 14 13 13-0886 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,335.94	290.77
33 14 13 13-0887 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,803.61	313.76
33 14 13 13-0888 EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,147.16	351.73
33 14 13 13-0889 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,540.30	303.77
33 14 13 13-0890 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,845.20	312.76
33 14 13 13-0891 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,053.46	325.75
33 14 13 13-0892 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,547.08	336.74
33 14 13 13-0893 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,669.15	352.73
33 14 13 13-0894 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,332.12	375.71
33 14 13 13-0895 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,675.67	412.68
33 14 13 13-0896 EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	10,440.16	474.64
33 14 13 13-0897 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,954.82	379.71
33 14 13 13-0898 EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,162.91	389.70
33 14 13 13-0899 EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,515.12	401.69
33 14 13 13-0900 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,818.79	412.68
33 14 13 13-0901 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,986.56	428.67
33 14 13 13-0902 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	10,358.54	451.66
33 14 13 13-0903 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	13,815.31	489.62
33 14 13 13-0904 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	14,529.82	550.58
33 14 13 13-0905 EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,987.52	626.52
33 14 13 13-0906 EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	13,899.83	504.62
33 14 13 13-0907 EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	14,175.21	516.61
33 14 13 13-0908 EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	14,446.04	527.60
33 14 13 13-0909 EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	14,765.19	543.59
33 14 13 13-0910 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,130.02	567.57
33 14 13 13-0911 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,552.13	604.54
33 14 13 13-0912 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	16,082.41	665.49
33 14 13 13-0913 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	20,740.45	742.43
33 14 13 13-0914 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	23,846.80	857.34
33 14 13 13-0915 EA 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	19,490.82	546.58
33 14 13 13-0916 EA 36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	19,763.34	558.57
33 14 13 13-0917 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	19,998.47	569.57
33 14 13 13-0918 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	20,277.63	586.55
33 14 13 13-0919 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	20,603.92	609.53
33 14 13 13-0920 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	20,987.46	646.51
33 14 13 13-0921 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	21,482.04	708.46
33 14 13 13-0922 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	22,361.37	784.40
33 14 13 13-0923 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	30,211.80	899.31
33 14 13 13-0924 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	33,222.25	942.28
33 14 13 13-0925 EA 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	26,242.10	594.55
33 14 13 13-0926 EA 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	26,788.31	610.54
33 14 13 13-0927 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	27,104.59	634.52
33 14 13 13-0928 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	27,542.41	671.49
33 14 13 13-0929 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	28,332.60	733.44
33 14 13 13-0930 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	30,008.81	809.38
33 14 13 13-0931 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	36,488.28	924.29
33 14 13 13-0932 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	47,798.73	966.26
33 14 13 13-0933 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	51,244.74	991.24
33 14 13 13-0934 EA 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	35,546.61	692.47
33 14 13 13-0935 EA 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	35,780.08	708.46
33 14 13 13-0936 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	36,092.08	731.44
33 14 13 13-0937 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	36,427.06	768.42
33 14 13 13-0938 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	36,870.24	830.36
33 14 13 13-0939 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	37,645.32	906.31
33 14 13 13-0940 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	39,804.86	1,021.22
33 14 13 13-0941 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	48,884.64	1,064.18
33 14 13 13-0942 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	63,019.83	1,089.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0943 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	67,100.43	1,186.09
<b>33 14 13 13-0944 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers <small>(33 14 13 13-0576)</small></b>		
33 14 13 13-0945 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	355.62	41.49
33 14 13 13-0946 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	497.23	52.00
33 14 13 13-0947 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	546.59	55.22
33 14 13 13-0948 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	717.26	62.65
33 14 13 13-0949 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	745.95	73.28
33 14 13 13-0950 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	876.90	64.95
33 14 13 13-0951 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	917.58	74.94
33 14 13 13-0952 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	954.71	81.93
33 14 13 13-0953 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,013.98	71.94
33 14 13 13-0954 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,121.79	81.93
33 14 13 13-0955 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,140.37	87.93
33 14 13 13-0956 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,191.43	94.93
33 14 13 13-0957 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,755.26	92.93
33 14 13 13-0958 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,765.26	98.93
33 14 13 13-0959 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,536.42	105.92
33 14 13 13-0960 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,567.84	111.91
33 14 13 13-0961 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,104.13	107.92
33 14 13 13-0962 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,041.30	114.92
33 14 13 13-0963 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,916.71	120.91
33 14 13 13-0964 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,893.85	126.91
33 14 13 13-0965 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,141.74	137.90
33 14 13 13-0966 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,287.51	139.89
33 14 13 13-0967 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,579.92	146.88
33 14 13 13-0968 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,464.24	152.88
33 14 13 13-0969 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,946.33	163.88
33 14 13 13-0970 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,579.73	179.87
33 14 13 13-0971 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,046.40	191.86
33 14 13 13-0972 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,070.34	197.84
33 14 13 13-0973 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,789.01	204.84
33 14 13 13-0974 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,786.97	215.83
33 14 13 13-0975 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,718.83	230.83
33 14 13 13-0976 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,216.40	256.81
33 14 13 13-0977 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,837.56	255.80
33 14 13 13-0978 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,894.08	266.79
33 14 13 13-0979 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,963.04	281.79
33 14 13 13-0980 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,902.21	307.77
33 14 13 13-0981 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,501.16	358.73
33 14 13 13-0982 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,002.77	317.76
33 14 13 13-0983 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,300.41	343.73

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0984 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,032.50	395.70
33 14 13 13-0985 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,958.93	446.66
33 14 13 13-0986 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,236.29	423.68
33 14 13 13-0987 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,584.00	474.64
33 14 13 13-0988 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,164.58	511.61
33 14 13 13-0989 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	13,669.12	362.73
33 14 13 13-0990 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	13,588.30	388.70
33 14 13 13-0991 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	13,621.73	439.67
33 14 13 13-0992 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	14,154.75	490.63
33 14 13 13-0993 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,565.00	527.60
33 14 13 13-0994 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,102.21	555.58
33 14 13 13-0995 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	17,227.73	387.70
33 14 13 13-0996 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	16,669.93	413.69
33 14 13 13-0997 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	15,830.80	464.65
33 14 13 13-0998 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	16,292.42	516.61
33 14 13 13-0999 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	19,524.94	552.57
33 14 13 13-1000 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	16,883.25	580.56
33 14 13 13-1001 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	18,569.63	596.54
<b>33 14 13 13-1002 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps</b> <small>(33 14 13 13-0576)</small>		
33 14 13 13-1003 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	328.40	87.61
33 14 13 13-1004 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	395.68	103.01
33 14 13 13-1005 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	577.42	128.50
33 14 13 13-1006 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	772.32	146.55
33 14 13 13-1007 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,025.70	219.83
33 14 13 13-1008 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,291.61	239.82
33 14 13 13-1009 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,467.89	263.80
33 14 13 13-1010 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,785.08	292.77
33 14 13 13-1011 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	2,090.50	329.74
33 14 13 13-1012 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	2,520.32	376.72
33 14 13 13-1013 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	3,229.56	439.67
33 14 13 13-1014 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	5,847.65	527.60
33 14 13 13-1015 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	9,576.28	659.50
33 14 13 13-1016 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	13,794.76	791.40
33 14 13 13-1017 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	16,422.83	879.33
<b>33 14 13 13-1018 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug</b> <small>(33 14 13 13-0576)</small>		
33 14 13 13-1019 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	329.83	87.61
33 14 13 13-1020 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	409.96	103.01
33 14 13 13-1021 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	614.55	128.50
33 14 13 13-1022 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	809.45	146.55
33 14 13 13-1023 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,238.48	219.83
33 14 13 13-1024 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,340.17	239.82
33 14 13 13-1025 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,777.79	263.80
33 14 13 13-1026 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,143.53	292.77
33 14 13 13-1027 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,548.91	329.74
33 14 13 13-1028 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	3,140.11	376.72
33 14 13 13-1029 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	4,112.12	439.67
33 14 13 13-1030 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	7,067.23	527.60
33 14 13 13-1031 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	10,334.59	659.50
33 14 13 13-1032 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	13,890.44	791.40
33 14 13 13-1033 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	18,452.13	879.33
<b>33 14 13 13-1034 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters</b> <small>(33 14 13 13-0576)</small>		
33 14 13 13-1035 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	448.83	133.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1036 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	592.08	153.99
33 14 13 13-1037 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	813.29	193.28
33 14 13 13-1038 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,066.36	219.82
33 14 13 13-1039 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,567.82	329.74
33 14 13 13-1040 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,870.30	359.72
33 14 13 13-1041 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,441.76	395.70
33 14 13 13-1042 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,771.15	439.67
33 14 13 13-1043 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,631.29	494.62
33 14 13 13-1044 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	4,211.05	565.57
33 14 13 13-1045 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	5,096.39	659.50
33 14 13 13-1046 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	8,003.89	791.40
33 14 13 13-1047 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	10,882.76	989.24
33 14 13 13-1048 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	14,795.62	1,130.14
33 14 13 13-1049 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	18,384.27	1,318.99
<b>33 14 13 13-1050 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0576)</b>		
33 14 13 13-1051 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	465.96	133.17
33 14 13 13-1052 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	570.66	153.99
33 14 13 13-1053 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	837.57	193.28
33 14 13 13-1054 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,132.06	219.82
33 14 13 13-1055 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,476.43	329.74
33 14 13 13-1056 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,784.61	359.72
33 14 13 13-1057 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	2,258.97	395.70
33 14 13 13-1058 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	2,674.04	439.67
33 14 13 13-1059 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	3,191.44	494.62
33 14 13 13-1060 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	3,715.51	565.57
33 14 13 13-1061 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	4,642.26	659.50
33 14 13 13-1062 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	7,768.26	791.40
33 14 13 13-1063 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	10,095.89	989.24
33 14 13 13-1064 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	13,134.23	1,129.13
33 14 13 13-1065 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	19,491.03	1,318.99
<b>33 14 13 13-1066 Push-On Joint Ductile Iron Piping (33 14 13 13-0001)</b>		
<b>33 14 13 13-1067 Push-On Joint Ductile Iron Pipe (33 14 13 13-1066)</b>		
Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.		
33 14 13 13-1068 LF 4", Class 50, Push-On Joint Ductile Iron Pipe.....	33.20	8.76
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.95	
For Cement Mortar Lining (CML), Add	1.99	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	10.76	
For Fusion Bonded Epoxy Lining (206N), Add	3.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.49	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.66	
For Class 51, Add	2.88	
For Class 52, Add	6.21	
For Class 53, Add	11.18	
For Class 54, Add	15.94	
For Class 55, Add	18.34	
For Class 56, Add	20.70	
33 14 13 13-1069 LF 6", Class 50, Push-On Joint Ductile Iron Pipe.....	36.41	9.67
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	15.31	
For Cement Mortar Lining (CML), Add	2.19	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	11.81	
For Fusion Bonded Epoxy Lining (206N), Add	3.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.64	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.82	
For Class 51, Add	3.16	
For Class 52, Add	6.82	
For Class 53, Add	12.27	
For Class 54, Add	17.49	
For Class 55, Add	20.12	
For Class 56, Add	22.71	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1070 LF 8", Class 50, Push-On Joint Ductile Iron Pipe.....	45.82	10.62
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	20.92	
For Cement Mortar Lining (CML), Add	2.99	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	16.14	
For Fusion Bonded Epoxy Lining (206N), Add	5.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.24	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-2.29	
For Class 51, Add	4.27	
For Class 52, Add	9.22	
For Class 53, Add	16.62	
For Class 54, Add	23.70	
For Class 55, Add	27.25	
For Class 56, Add	30.74	
33 14 13 13-1071 LF 10", Class 50, Push-On Joint Ductile Iron Pipe.....	64.65	14.89
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	25.30	
For Cement Mortar Lining (CML), Add	4.22	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	21.08	
For Fusion Bonded Epoxy Lining (206N), Add	7.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.16	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.23	
For Class 51, Add	6.03	
For Class 52, Add	13.00	
For Class 53, Add	23.44	
For Class 54, Add	33.44	
For Class 55, Add	38.44	
For Class 56, Add	43.36	
33 14 13 13-1072 LF 12", Class 50, Push-On Joint Ductile Iron Pipe.....	75.25	16.49
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	25.14	
For Cement Mortar Lining (CML), Add	5.03	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	20.11	
For Fusion Bonded Epoxy Lining (206N), Add	9.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.77	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.76	
For Class 51, Add	7.16	
For Class 52, Add	15.46	
For Class 53, Add	27.88	
For Class 54, Add	39.78	
For Class 55, Add	45.72	
For Class 56, Add	51.57	
33 14 13 13-1073 LF 14", Class 50, Push-On Joint Ductile Iron Pipe.....	92.16	18.59
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	28.20	
For Cement Mortar Lining (CML), Add	6.41	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	21.79	
For Fusion Bonded Epoxy Lining (206N), Add	11.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.81	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.61	
For Class 51, Add	9.09	
For Class 52, Add	19.61	
For Class 53, Add	35.39	
For Class 54, Add	50.51	
For Class 55, Add	58.05	
For Class 56, Add	65.45	
33 14 13 13-1074 LF 16", Class 50, Push-On Joint Ductile Iron Pipe.....	109.45	21.19
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	31.72	
For Cement Mortar Lining (CML), Add	7.74	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	23.98	
For Fusion Bonded Epoxy Lining (206N), Add	13.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.80	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.47	
For Class 51, Add	10.95	
For Class 52, Add	23.63	
For Class 53, Add	42.67	
For Class 54, Add	60.90	
For Class 55, Add	69.97	
For Class 56, Add	78.89	





<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1075 LF 18", Class 50, Push-On Joint Ductile Iron Pipe.....	127.32	24.78
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	36.84	
For Cement Mortar Lining (CML), Add	8.99	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	27.85	
For Fusion Bonded Epoxy Lining (206N), Add	16.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.74	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.37	
For Class 51, Add	12.71	
For Class 52, Add	27.45	
For Class 53, Add	49.56	
For Class 54, Add	70.73	
For Class 55, Add	81.28	
For Class 56, Add	91.63	
33 14 13 13-1076 LF 20", Class 50, Push-On Joint Ductile Iron Pipe.....	146.60	29.67
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	38.62	
For Cement Mortar Lining (CML), Add	10.16	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	28.46	
For Fusion Bonded Epoxy Lining (206N), Add	18.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.62	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-7.33	
For Class 51, Add	14.42	
For Class 52, Add	31.12	
For Class 53, Add	56.15	
For Class 54, Add	80.14	
For Class 55, Add	92.10	
For Class 56, Add	103.84	
33 14 13 13-1077 LF 24", Class 50, Push-On Joint Ductile Iron Pipe.....	185.58	37.07
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	40.09	
For Cement Mortar Lining (CML), Add	12.93	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	27.16	
For Fusion Bonded Epoxy Lining (206N), Add	23.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.70	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-9.28	
For Class 51, Add	18.33	
For Class 52, Add	39.57	
For Class 53, Add	71.41	
For Class 54, Add	101.92	
For Class 55, Add	117.12	
For Class 56, Add	132.05	
33 14 13 13-1078 LF 30", Class 50, Push-On Joint Ductile Iron Pipe.....	220.92	39.57
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	49.90	
For Cement Mortar Lining (CML), Add	16.10	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	28.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.07	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-11.05	
For Class 51, Add	22.69	
For Class 52, Add	49.00	
For Class 53, Add	88.51	
For Class 54, Add	126.36	
For Class 55, Add	145.15	
For Class 56, Add	163.61	
33 14 13 13-1079 LF 36", Class 50, Push-On Joint Ductile Iron Pipe.....	275.64	42.07
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	65.69	
For Cement Mortar Lining (CML), Add	21.19	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	38.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.89	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-13.78	
For Class 51, Add	29.68	
For Class 52, Add	64.12	
For Class 53, Add	115.94	
For Class 54, Add	165.58	
For Class 55, Add	190.13	
For Class 56, Add	214.23	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1080 LF 42", Class 50, Push-On Joint Ductile Iron Pipe.....	337.64	44.57
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	83.76	
For Cement Mortar Lining (CML), Add	27.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	48.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.26	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-16.88	
For Class 51, Add	37.67	
For Class 52, Add	81.42	
For Class 53, Add	147.32	
For Class 54, Add	210.45	
For Class 55, Add	241.58	
For Class 56, Add	272.14	
33 14 13 13-1081 LF 48", Class 50, Push-On Joint Ductile Iron Pipe.....	408.08	46.96
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	104.42	
For Cement Mortar Lining (CML), Add	33.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	60.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.26	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-20.40	
For Class 51, Add	46.80	
For Class 52, Add	101.18	
For Class 53, Add	183.18	
For Class 54, Add	261.72	
For Class 55, Add	300.37	
For Class 56, Add	338.31	
33 14 13 13-1082 LF 54", Class 50, Push-On Joint Ductile Iron Pipe.....	519.88	49.46
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	137.93	
For Cement Mortar Lining (CML), Add	44.49	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	80.09	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.37	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-25.99	
For Class 51, Add	61.58	
For Class 52, Add	133.18	
For Class 53, Add	241.25	
For Class 54, Add	344.75	
For Class 55, Add	395.56	
For Class 56, Add	445.44	
<b>33 14 13 13-1083 Push-On Joint Ductile Iron 90 Degree Elbow (33 14 13 13-1066)</b>		
33 14 13 13-1084 EA 4" 90 Degree Elbow, Push-On Joint Ductile Iron .....	160.64	34.20
For Cement Mortar Lining (CML), Add	10.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	19.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1085 EA 6" 90 Degree Elbow, Push-On Joint Ductile Iron .....	233.32	50.44
For Cement Mortar Lining (CML), Add	15.69	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	28.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.76	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1086 EA 8" 90 Degree Elbow, Push-On Joint Ductile Iron .....	308.39	59.89
For Cement Mortar Lining (CML), Add	21.76	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	39.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1087 EA 10" 90 Degree Elbow, Push-On Joint Ductile Iron .....	464.93	65.75
For Cement Mortar Lining (CML), Add	32.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	59.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1088 EA 12" 90 Degree Elbow, Push-On Joint Ductile Iron .....	594.63	77.14
For Cement Mortar Lining (CML), Add	43.52	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	78.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.64	
Note: ANSI/AWWA C151/A21.51		



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1089	EA	14" 90 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,133.36 95.45 171.80 71.58	86.53
33 14 13 13-1090	EA	16" 90 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,281.91 107.75 193.95 80.81	98.93
33 14 13 13-1091	EA	18" 90 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,986.56 170.04 306.08 127.53	138.50
33 14 13 13-1092	EA	20" 90 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,243.19 189.41 340.94 142.06	174.57
33 14 13 13-1093	EA	24" 90 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,801.12 236.48 425.66 177.36	218.23
<b>33 14 13 13-1094</b>		<b>Push-On Joint Ductile Iron 45 Degree Elbow</b> (33 14 13 13-1066)		
33 14 13 13-1095	EA	4" 45 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	135.89 8.41 15.13 6.31	34.20
33 14 13 13-1096	EA	6" 45 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	200.05 12.36 22.25 9.27	50.44
33 14 13 13-1097	EA	8" 45 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	272.59 18.18 32.72 13.63	59.89
33 14 13 13-1098	EA	10" 45 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	415.51 27.95 50.31 20.96	65.75
33 14 13 13-1099	EA	12" 45 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	531.65 37.22 67.00 27.92	77.14
33 14 13 13-1100	EA	14" 45 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	740.11 56.12 101.01 42.09	86.53
33 14 13 13-1101	EA	16" 45 Degree Elbow, Push-On Joint Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,076.00 87.16 156.89 65.37	98.93

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1102 EA 18" 45 Degree Elbow, Push-On Joint Ductile Iron .....	1,254.02	138.50
For Cement Mortar Lining (CML), Add	96.79	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	174.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	72.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1103 EA 20" 45 Degree Elbow, Push-On Joint Ductile Iron .....	1,741.65	174.57
For Cement Mortar Lining (CML), Add	139.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	250.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	104.44	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1104 EA 24" 45 Degree Elbow, Push-On Joint Ductile Iron .....	2,162.33	218.23
For Cement Mortar Lining (CML), Add	172.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	310.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	129.45	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-1105 Push-On Joint Ductile Iron Tee (33 14 13 13-1066)</b>		
33 14 13 13-1106 EA 4" Tee, Push-On Joint Ductile Iron .....	244.72	50.44
For Cement Mortar Lining (CML), Add	16.83	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	30.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.62	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1107 EA 6" Tee, Push-On Joint Ductile Iron .....	342.60	74.13
For Cement Mortar Lining (CML), Add	23.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	41.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1108 EA 8" Tee, Push-On Joint Ductile Iron .....	462.66	89.84
For Cement Mortar Lining (CML), Add	32.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	58.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1109 EA 10" Tee, Push-On Joint Ductile Iron .....	663.51	99.92
For Cement Mortar Lining (CML), Add	51.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	92.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1110 EA 12" Tee, Push-On Joint Ductile Iron .....	822.58	115.21
For Cement Mortar Lining (CML), Add	64.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	116.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1111 EA 14" Tee, Push-On Joint Ductile Iron .....	1,302.43	138.50
For Cement Mortar Lining (CML), Add	109.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	196.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1112 EA 16" Tee, Push-On Joint Ductile Iron .....	1,869.79	173.17
For Cement Mortar Lining (CML), Add	160.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	289.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	120.56	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1113 EA 18" Tee, Push-On Joint Ductile Iron .....	2,356.47	231.02
For Cement Mortar Lining (CML), Add	200.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	361.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	150.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1114 EA 20" Tee, Push-On Joint Ductile Iron .....	2,781.45	281.88
For Cement Mortar Lining (CML), Add	235.44	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	423.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	176.58	
Note: ANSI/AWWA C151/A21.51		



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1115 EA 24" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,635.05 310.13 558.23 232.59	352.33
<b>33 14 13 13-1116 Flanged End x Push-On Joint Ductile Iron Adapters (33 14 13 13-1066)</b>		
33 14 13 13-1117 EA 4" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	362.57 18.29 32.91 13.71	118.62
33 14 13 13-1118 EA 6" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	444.16 22.17 39.90 16.62	146.87
33 14 13 13-1119 EA 8" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	578.21 31.86 57.35 23.90	171.29
33 14 13 13-1120 EA 10" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	790.31 41.56 74.81 31.17	247.31
33 14 13 13-1121 EA 12" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	954.65 52.64 94.75 39.48	282.68
33 14 13 13-1122 EA 14" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,098.42 63.72 114.70 47.79	304.37
33 14 13 13-1123 EA 16" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,303.09 80.35 144.62 60.26	329.74
33 14 13 13-1124 EA 18" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,541.54 94.20 169.56 70.65	395.70
33 14 13 13-1125 EA 20" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,788.25 112.21 201.98 84.16	439.67
33 14 13 13-1126 EA 24" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,237.05 146.84 264.31 110.13	507.32
33 14 13 13-1127 EA 30" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,557.76 263.54 474.37 197.65	608.73

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1128 EA 36" Flanged End x Push-On Joint Adapter, Ductile Iron .....	4,913.21	760.91
For Cement Mortar Lining (CML), Add	376.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	676.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	282.02	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1129 EA 42" Flanged End x Push-On Joint Adapter, Ductile Iron .....	6,201.35	879.33
For Cement Mortar Lining (CML), Add	486.90	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	876.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	365.18	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1130 EA 48" Flanged End x Push-On Joint Adapter, Ductile Iron .....	7,915.77	1,130.53
For Cement Mortar Lining (CML), Add	620.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,116.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	465.21	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1131 EA 54" Flanged End x Push-On Joint Adapter, Ductile Iron .....	9,611.50	1,319.29
For Cement Mortar Lining (CML), Add	761.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,370.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	570.94	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-1132 Push-On Joint Ductile Iron Pipe And Fitting Restraints</b> <small>(33 14 13 13-1066)</small>		
Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-1133 EA 4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	35.94	18.46
33 14 13 13-1134 EA 6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	48.03	24.10
33 14 13 13-1135 EA 8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	62.62	24.45
33 14 13 13-1136 EA 10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	72.37	25.97
33 14 13 13-1137 EA 12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	84.91	28.85
33 14 13 13-1138 EA 14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	104.91	32.45
33 14 13 13-1139 EA 16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	123.06	37.10
33 14 13 13-1140 EA 18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	137.78	40.19
33 14 13 13-1141 EA 20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	161.44	48.23
33 14 13 13-1142 EA 24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	189.51	50.08
33 14 13 13-1143 EA 30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	238.21	55.65
33 14 13 13-1144 EA 36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	303.89	60.27
33 14 13 13-1145 EA 42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	370.44	65.94
33 14 13 13-1146 EA 48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	435.06	74.19
33 14 13 13-1147 EA 54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	588.78	80.45
<b>33 14 13 13-1148 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series)</b> <small>(33 14 13 13-1066)</small>		
33 14 13 13-1149 EA 4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400) .....	216.75	67.45
33 14 13 13-1150 EA 6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600) .....	286.13	82.34
33 14 13 13-1151 EA 8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800) .....	368.54	100.42
33 14 13 13-1152 EA 10" Bell Restraint Harness, Ductile Iron (MEGALUG® 171100) .....	556.02	122.51
33 14 13 13-1153 EA 12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200) .....	689.70	149.38
33 14 13 13-1154 EA 14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400) .....	1,190.66	182.26
33 14 13 13-1155 EA 16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600) .....	1,359.01	222.43
33 14 13 13-1156 EA 18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800) .....	1,542.34	271.29
33 14 13 13-1157 EA 20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000) .....	2,097.43	331.04
33 14 13 13-1158 EA 24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400) .....	2,675.55	403.79
33 14 13 13-1159 EA 30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000) .....	4,622.47	492.72
33 14 13 13-1160 EA 36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600) .....	6,560.82	601.04
33 14 13 13-1161 EA 42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200) .....	11,925.78	733.34
33 14 13 13-1162 EA 48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800) .....	15,429.47	894.61
<b>33 14 13 13-1163 Ductile Iron Pipe Repair</b> <small>(33 14 13 13-0001)</small>		
See CSI section 33 14 13 13-0002 for mechanical joint fittings.		
<b>33 14 13 13-1164 WEKO Seals</b> <small>(33 14 13 13-1163)</small>		
Note: Internal joint seal.		
33 14 13 13-1165 EA 16" WEKO Internal Joint Seal .....	1,344.50	192.82
For Extra Wide Seals, Add	84.61	
33 14 13 13-1166 EA 18" WEKO Internal Joint Seal .....	1,431.57	203.60
For Extra Wide Seals, Add	85.43	
33 14 13 13-1167 EA 20" WEKO Internal Joint Seal .....	1,518.48	214.39
For Extra Wide Seals, Add	86.24	
33 14 13 13-1168 EA 24" WEKO Internal Joint Seal .....	1,610.79	231.53
For Extra Wide Seals, Add	87.54	
33 14 13 13-1169 EA 30" WEKO Internal Joint Seal .....	1,667.23	248.68
For Extra Wide Seals, Add	88.84	
33 14 13 13-1170 EA 36" WEKO Internal Joint Seal .....	1,753.47	270.12
For Extra Wide Seals, Add	90.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1171 EA 42" WEKO Internal Joint Seal.....	1,873.11	295.85
<i>For Extra Wide Seals, Add</i>	<i>92.41</i>	
33 14 13 13-1172 EA 48" WEKO Internal Joint Seal.....	2,022.09	317.28
<i>For Extra Wide Seals, Add</i>	<i>94.04</i>	
33 14 13 13-1173 EA 54" WEKO Internal Joint Seal.....	2,100.06	334.44
<i>For Extra Wide Seals, Add</i>	<i>95.34</i>	
<b>33 14 13 23 Plastic Public Water Utility Distribution Piping (33 14 13)</b>		
<b>33 14 13 23-0001 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping (33 14 13 23)</b>		
<b>33 14 13 23-0002 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe (33 14 13 23-0001)</b>		
33 14 13 23-0003 LF 3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe .....	2.14	0.75
<i>For &gt;1,000, Deduct</i>	<i>-0.11</i>	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	<i>0.04</i>	
33 14 13 23-0004 LF 1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe .....	2.36	0.81
<i>For &gt;1,000, Deduct</i>	<i>-0.12</i>	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	<i>0.05</i>	
33 14 13 23-0005 LF 1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe .....	2.73	0.88
<i>For &gt;1,000, Deduct</i>	<i>-0.14</i>	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	<i>0.08</i>	
33 14 13 23-0006 LF 1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe .....	3.16	0.98
<i>For &gt;1,000, Deduct</i>	<i>-0.16</i>	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	<i>0.11</i>	
33 14 13 23-0007 LF 2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe .....	4.05	1.10
<i>For &gt;1,000, Deduct</i>	<i>-0.20</i>	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	<i>0.20</i>	
33 14 13 23-0008 LF 2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe .....	5.19	1.25
<i>For &gt;1,000, Deduct</i>	<i>-0.26</i>	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	<i>0.31</i>	
33 14 13 23-0009 LF 3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe .....	6.33	1.39
<i>For &gt;1,000, Deduct</i>	<i>-0.32</i>	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	<i>0.43</i>	
33 14 13 23-0010 LF 4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe .....	8.94	1.72
<i>For &gt;1,000, Deduct</i>	<i>-0.45</i>	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	<i>0.70</i>	
33 14 13 23-0011 LF 6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe .....	15.58	2.18
<i>For &gt;1,000, Deduct</i>	<i>-0.78</i>	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	<i>1.52</i>	
33 14 13 23-0012 LF 8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe .....	24.73	3.03
<i>For &gt;1,000, Deduct</i>	<i>-1.24</i>	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	<i>2.57</i>	
33 14 13 23-0013 LF 10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe .....	36.80	4.05
<i>For &gt;1,000, Deduct</i>	<i>-1.84</i>	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	<i>4.00</i>	
33 14 13 23-0014 LF 12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe .....	51.21	5.45
<i>For &gt;1,000, Deduct</i>	<i>-2.56</i>	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	<i>5.64</i>	
<b>33 14 13 23-0015 90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)</b>		
33 14 13 23-0016 EA 3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	22.90	9.05
33 14 13 23-0017 EA 1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	28.94	11.31
33 14 13 23-0018 EA 1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	36.43	14.14
33 14 13 23-0019 EA 1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	53.90	15.65
33 14 13 23-0020 EA 2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	58.42	17.54
33 14 13 23-0021 EA 2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	69.02	19.89
33 14 13 23-0022 EA 3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	77.43	22.34
33 14 13 23-0023 EA 4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	106.91	27.43
33 14 13 23-0024 EA 6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	153.21	34.86
33 14 13 23-0025 EA 8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	246.37	45.76
33 14 13 23-0026 EA 10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	303.75	61.22
33 14 13 23-0027 EA 12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	401.76	82.40
<b>33 14 13 23-0028 45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)</b>		
33 14 13 23-0029 EA 3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	23.30	9.05
33 14 13 23-0030 EA 1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	29.22	11.31
33 14 13 23-0031 EA 1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) .....	36.60	14.14
33 14 13 23-0032 EA 1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) .....	48.71	15.65
33 14 13 23-0033 EA 2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	58.90	17.54
33 14 13 23-0034 EA 2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) .....	70.97	19.89
33 14 13 23-0035 EA 3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	76.61	22.34
33 14 13 23-0036 EA 4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	105.13	27.43
33 14 13 23-0037 EA 6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	149.61	34.86
33 14 13 23-0038 EA 8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	239.51	45.76
33 14 13 23-0039 EA 10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	275.33	61.22
33 14 13 23-0040 EA 12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	362.44	82.40
<b>33 14 13 23-0041 Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)</b>		
33 14 13 23-0042 EA 3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	34.34	13.57

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0043 EA 1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	43.32	17.06
33 14 13 23-0044 EA 1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	54.30	21.30
33 14 13 23-0045 EA 1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	74.47	23.57
33 14 13 23-0046 EA 2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	84.68	26.20
33 14 13 23-0047 EA 2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	98.46	29.89
33 14 13 23-0048 EA 3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	118.36	33.42
33 14 13 23-0049 EA 4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	155.09	41.20
33 14 13 23-0050 EA 6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	254.64	52.37
33 14 13 23-0051 EA 8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	380.10	68.64
33 14 13 23-0052 EA 10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	453.24	97.16
33 14 13 23-0053 EA 12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	568.36	130.74
<b>33 14 13 23-0054 Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)</b>		
33 14 13 23-0055 EA 3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	15.33	6.04
33 14 13 23-0056 EA 1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	20.70	8.11
33 14 13 23-0057 EA 1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	27.61	10.65
33 14 13 23-0058 EA 1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	38.05	11.79
33 14 13 23-0059 EA 2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	41.99	13.11
33 14 13 23-0060 EA 2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	47.76	14.89
33 14 13 23-0061 EA 3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	54.86	16.71
33 14 13 23-0062 EA 4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	74.94	20.55
33 14 13 23-0063 EA 6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	106.64	26.19
33 14 13 23-0064 EA 8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	179.71	34.32
33 14 13 23-0065 EA 10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	215.47	48.63
33 14 13 23-0066 EA 12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) .....	275.19	65.37
<b>33 14 13 23-0067 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)</b>		
<b>33 14 13 23-0068 Schedule 40 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0067)</b>		
33 14 13 23-0069 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe .....	2.34	0.75
For >1,000, Deduct	-0.12	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.07	
33 14 13 23-0070 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe .....	2.74	0.81
For >1,000, Deduct	-0.14	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.11	
33 14 13 23-0071 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe .....	3.51	0.98
For >1,000, Deduct	-0.18	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.16	
33 14 13 23-0072 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe .....	4.19	1.10
For >1,000, Deduct	-0.21	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.22	
33 14 13 23-0073 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe .....	5.40	1.25
For >1,000, Deduct	-0.27	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.34	
33 14 13 23-0074 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe .....	6.46	1.39
For >1,000, Deduct	-0.32	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.45	
33 14 13 23-0075 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe .....	8.57	1.72
For >1,000, Deduct	-0.43	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.64	
33 14 13 23-0076 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe .....	12.94	2.18
For >1,000, Deduct	-0.65	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.12	
<b>33 14 13 23-0077 90 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0067)</b>		
33 14 13 23-0078 EA 3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	23.05	9.05
33 14 13 23-0079 EA 1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	29.02	11.31
33 14 13 23-0080 EA 1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	40.35	15.65
33 14 13 23-0081 EA 2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	45.55	17.54
33 14 13 23-0082 EA 2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	54.57	19.89
33 14 13 23-0083 EA 3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	61.62	22.34
33 14 13 23-0084 EA 4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	80.45	27.43
33 14 13 23-0085 EA 6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	124.88	34.86
<b>33 14 13 23-0086 45 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0067)</b>		
33 14 13 23-0087 EA 3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	23.01	9.05
33 14 13 23-0088 EA 1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	28.99	11.31
33 14 13 23-0089 EA 1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	40.37	15.65
33 14 13 23-0090 EA 2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	45.42	17.54
33 14 13 23-0091 EA 2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	54.20	19.89
33 14 13 23-0092 EA 3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	61.19	22.34
33 14 13 23-0093 EA 4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	79.58	27.43
33 14 13 23-0094 EA 6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	122.09	34.86
<b>33 14 13 23-0095 Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0067)</b>		
33 14 13 23-0096 EA 3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) .....	34.49	13.57
33 14 13 23-0097 EA 1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) .....	43.43	17.06





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0098 EA 1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) .....	60.36	23.57
33 14 13 23-0099 EA 2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	67.85	26.20
33 14 13 23-0100 EA 2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) .....	82.05	29.89
33 14 13 23-0101 EA 3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	94.22	33.42
33 14 13 23-0102 EA 4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	117.12	41.20
33 14 13 23-0103 EA 6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	189.98	52.37
<b>33 14 13 23-0104 Couplings, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0067)</b>		
33 14 13 23-0105 EA 3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	15.40	6.04
33 14 13 23-0106 EA 1" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	20.75	8.11
33 14 13 23-0107 EA 1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	30.09	11.79
33 14 13 23-0108 EA 2" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	33.91	13.11
33 14 13 23-0109 EA 2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	39.74	14.89
33 14 13 23-0110 EA 3" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	45.57	16.71
33 14 13 23-0111 EA 4" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	56.44	20.55
33 14 13 23-0112 EA 6" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	82.59	26.19
<b>33 14 13 23-0113 Crosses, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0067)</b>		
33 14 13 23-0114 EA 3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	46.11	18.10
33 14 13 23-0115 EA 1" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	57.84	22.72
33 14 13 23-0116 EA 1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	80.47	31.40
33 14 13 23-0117 EA 2" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	90.46	34.98
33 14 13 23-0118 EA 2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	109.37	39.79
33 14 13 23-0119 EA 3" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	125.57	44.60
33 14 13 23-0120 EA 4" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	156.07	54.87
33 14 13 23-0121 EA 6" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	252.97	69.80
<b>33 14 13 23-0122 Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)</b>		
<b>33 14 13 23-0123 Schedule 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0122)</b>		
33 14 13 23-0124 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	2.96	0.81
For >1,000, Deduct	-0.15	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.14	
33 14 13 23-0125 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	3.95	0.98
For >1,000, Deduct	-0.20	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.23	
33 14 13 23-0126 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	4.92	1.10
For >1,000, Deduct	-0.25	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.33	
33 14 13 23-0127 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	6.36	1.25
For >1,000, Deduct	-0.32	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.49	
33 14 13 23-0128 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	7.80	1.39
For >1,000, Deduct	-0.39	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.65	
33 14 13 23-0129 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	10.62	1.72
For >1,000, Deduct	-0.53	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.95	
33 14 13 23-0130 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	17.49	2.18
For >1,000, Deduct	-0.87	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.80	
<b>33 14 13 23-0131 90 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0122)</b>		
33 14 13 23-0132 EA 1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) .....	30.15	11.31
33 14 13 23-0133 EA 1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	40.35	15.65
33 14 13 23-0134 EA 2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	46.69	17.54
33 14 13 23-0135 EA 2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	56.98	19.89
33 14 13 23-0136 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	63.86	22.34
33 14 13 23-0137 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	80.99	27.43
33 14 13 23-0138 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	122.33	34.86
<b>33 14 13 23-0139 45 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0122)</b>		
33 14 13 23-0140 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	34.80	11.31
33 14 13 23-0141 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	44.83	15.65
33 14 13 23-0142 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	50.99	17.54
33 14 13 23-0143 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	65.05	19.89
33 14 13 23-0144 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	74.37	22.34
33 14 13 23-0145 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	102.12	27.43
33 14 13 23-0146 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	120.91	34.86
<b>33 14 13 23-0147 Tees Or Wyes, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0122)</b>		
33 14 13 23-0148 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	45.81	17.06
33 14 13 23-0149 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	67.58	23.57
33 14 13 23-0150 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	76.46	26.20
33 14 13 23-0151 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	86.61	29.89

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0152 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	98.58	33.42
33 14 13 23-0153 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	120.27	41.20
33 14 13 23-0154 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	189.86	52.37
<b>33 14 13 23-0155 Couplings, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0122)</b>		
33 14 13 23-0156 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	22.45	8.11
33 14 13 23-0157 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	33.01	11.79
33 14 13 23-0158 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	36.66	13.11
33 14 13 23-0159 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	46.79	14.89
33 14 13 23-0160 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	52.68	16.71
33 14 13 23-0161 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	65.08	20.55
33 14 13 23-0162 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	94.65	26.19
<b>33 14 13 23-0163 Crosses, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0122)</b>		
33 14 13 23-0164 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	61.00	22.72
33 14 13 23-0165 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	90.06	31.40
33 14 13 23-0166 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	101.89	34.98
33 14 13 23-0167 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	115.43	39.79
33 14 13 23-0168 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	131.36	44.60
33 14 13 23-0169 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	160.25	54.87
33 14 13 23-0170 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	252.82	69.80
<b>33 14 13 23-0171 AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe (33 14 13 23)</b>		
Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
<b>33 14 13 23-0172 AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0171)</b>		
33 14 13 23-0173 LF 4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	9.40	3.52
33 14 13 23-0174 LF 6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	13.33	4.27
33 14 13 23-0175 LF 8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	17.88	4.80
33 14 13 23-0176 LF 10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	23.17	5.34
33 14 13 23-0177 LF 12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	29.62	5.97
<b>33 14 13 23-0178 AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0171)</b>		
33 14 13 23-0179 LF 4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	10.24	3.52
33 14 13 23-0180 LF 6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	15.09	4.27
33 14 13 23-0181 LF 8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	20.83	4.80
33 14 13 23-0182 LF 10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	27.76	5.34
33 14 13 23-0183 LF 12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	36.02	5.97
<b>33 14 13 23-0184 AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0171)</b>		
33 14 13 23-0185 LF 4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	11.07	3.52
33 14 13 23-0186 LF 6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	16.83	4.27
33 14 13 23-0187 LF 8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	23.79	4.80
33 14 13 23-0188 LF 10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	32.24	5.34
33 14 13 23-0189 LF 12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	42.43	5.97
<b>33 14 13 23-0190 AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0171)</b>		
33 14 13 23-0191 LF 18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	46.39	8.96
33 14 13 23-0192 LF 20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	56.46	10.67
33 14 13 23-0193 LF 24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	75.20	12.80
33 14 13 23-0194 LF 30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	107.40	14.93
33 14 13 23-0195 LF 36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	147.00	17.07
33 14 13 23-0196 LF 42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	185.03	18.14
33 14 13 23-0197 LF 48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	233.10	19.53
<b>33 14 13 23-0198 AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0171)</b>		
33 14 13 23-0199 LF 14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	34.26	6.72
33 14 13 23-0200 LF 16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	42.66	7.47
33 14 13 23-0201 LF 18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	52.81	8.96
33 14 13 23-0202 LF 20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	64.79	10.67
33 14 13 23-0203 LF 24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	88.05	12.80
33 14 13 23-0204 LF 30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	125.83	14.93
33 14 13 23-0205 LF 36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	171.68	17.07
33 14 13 23-0206 LF 42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	226.07	18.14
33 14 13 23-0207 LF 48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	286.35	19.53
<b>33 14 13 23-0208 AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0171)</b>		
33 14 13 23-0209 LF 14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	39.20	6.72
33 14 13 23-0210 LF 16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	49.51	7.47
33 14 13 23-0211 LF 18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	61.32	8.96
33 14 13 23-0212 LF 20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	75.83	10.67
33 14 13 23-0213 LF 24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	103.91	12.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0214 LF 30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	149.65	14.93
33 14 13 23-0215 LF 36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	206.46	17.07
33 14 13 23-0216 LF 42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	267.28	18.14
33 14 13 23-0217 LF 48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	340.12	19.53
<b>33 14 13 23-0218 AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0171)</small>		
33 14 13 23-0219 LF 14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	47.64	6.72
33 14 13 23-0220 LF 16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	59.54	7.47
33 14 13 23-0221 LF 18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	74.22	8.96
33 14 13 23-0222 LF 20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	91.42	10.67
33 14 13 23-0223 LF 24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	126.39	12.80
33 14 13 23-0224 LF 30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	184.93	14.93
33 14 13 23-0225 LF 36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	260.69	17.07
33 14 13 23-0226 LF 42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	346.81	18.14
33 14 13 23-0227 LF 48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	446.85	19.53
<b>33 14 13 23-0228 AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0171)</small>		
33 14 13 23-0229 LF 14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	53.98	6.72
33 14 13 23-0230 LF 16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	67.79	7.47
33 14 13 23-0231 LF 18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	84.63	8.96
33 14 13 23-0232 LF 20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	104.38	10.67
33 14 13 23-0233 LF 24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	145.04	12.80
33 14 13 23-0234 LF 30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	213.62	14.93
33 14 13 23-0235 LF 36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	302.60	17.07
33 14 13 23-0236 LF 42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	404.25	18.14
<b>33 14 13 23-0237 AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0171)</small>		
33 14 13 23-0238 LF 14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	60.16	6.72
33 14 13 23-0239 LF 16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	75.81	7.47
33 14 13 23-0240 LF 18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	94.75	8.96
33 14 13 23-0241 LF 20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	117.00	10.67
33 14 13 23-0242 LF 24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	163.17	12.80
33 14 13 23-0243 LF 30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	241.53	14.93
33 14 13 23-0244 LF 36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	343.38	17.07
<b>33 14 13 23-0245 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings</b> <small>(33 14 13 23)</small>		
Note: Includes rubber gaskets.		
<b>33 14 13 23-0246 90 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0247 EA 4" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	173.36	11.31
For DR 25, Deduct	-9.04	
33 14 13 23-0248 EA 6" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	354.49	12.73
For DR 25, Deduct	-19.74	
33 14 13 23-0249 EA 8" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	532.25	14.14
For DR 25, Deduct	-30.24	
33 14 13 23-0250 EA 10" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	813.35	22.70
For DR 25, Deduct	-46.08	
33 14 13 23-0251 EA 12" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,058.99	37.84
For DR 25, Deduct	-59.00	
33 14 13 23-0252 EA 14" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,589.76	47.30
For DR 25, Deduct	-89.71	
33 14 13 23-0253 EA 16" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,897.19	56.76
For DR 25, Deduct	-107.02	
33 14 13 23-0254 EA 18" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,254.18	75.69
For DR 25, Deduct	-186.17	
33 14 13 23-0255 EA 20" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,006.10	94.60
For DR 25, Deduct	-229.01	
33 14 13 23-0256 EA 24" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	6,648.28	127.72
For DR 25, Deduct	-383.57	
<b>33 14 13 23-0257 45 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0258 EA 4" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	153.68	11.31
For DR 25, Deduct	-7.86	
33 14 13 23-0259 EA 6" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	265.23	12.73
For DR 25, Deduct	-14.39	
33 14 13 23-0260 EA 8" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	336.01	14.14
For DR 25, Deduct	-18.46	
33 14 13 23-0261 EA 10" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	475.86	22.70
For DR 25, Deduct	-25.83	
33 14 13 23-0262 EA 12" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	636.68	37.84
For DR 25, Deduct	-33.66	
33 14 13 23-0263 EA 14" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,222.41	47.30
For DR 25, Deduct	-67.67	
33 14 13 23-0264 EA 16" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,549.18	56.76
For DR 25, Deduct	-86.14	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0265	EA	18"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,672.33	75.69
			<i>For DR 25, Deduct</i> .....	-151.26	
33 14 13 23-0266	EA	20"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,319.20	94.60
			<i>For DR 25, Deduct</i> .....	-187.80	
33 14 13 23-0267	EA	24"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,683.70	127.72
			<i>For DR 25, Deduct</i> .....	-265.70	
<b>33 14 13 23-0268</b>			<b>22-1/2 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0245)</small></b> .....		
33 14 13 23-0269	EA	4"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	151.28	11.31
			<i>For DR 25, Deduct</i> .....	-7.72	
33 14 13 23-0270	EA	6"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	265.23	12.73
			<i>For DR 25, Deduct</i> .....	-14.39	
33 14 13 23-0271	EA	8"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	336.02	14.14
			<i>For DR 25, Deduct</i> .....	-18.46	
33 14 13 23-0272	EA	10"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	475.87	22.70
			<i>For DR 25, Deduct</i> .....	-25.83	
33 14 13 23-0273	EA	12"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	636.69	37.84
			<i>For DR 25, Deduct</i> .....	-33.66	
33 14 13 23-0274	EA	14"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,218.61	45.41
			<i>For DR 25, Deduct</i> .....	-67.67	
33 14 13 23-0275	EA	16"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,549.16	56.76
			<i>For DR 25, Deduct</i> .....	-86.14	
33 14 13 23-0276	EA	18"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,672.33	75.69
			<i>For DR 25, Deduct</i> .....	-151.26	
33 14 13 23-0277	EA	20"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,319.20	94.60
			<i>For DR 25, Deduct</i> .....	-187.80	
33 14 13 23-0278	EA	24"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,683.70	127.72
			<i>For DR 25, Deduct</i> .....	-265.70	
<b>33 14 13 23-0279</b>			<b>11-1/4 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0245)</small></b> .....		
33 14 13 23-0280	EA	4"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	133.66	11.31
			<i>For DR 25, Deduct</i> .....	-6.66	
33 14 13 23-0281	EA	6"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	265.23	12.73
			<i>For DR 25, Deduct</i> .....	-14.39	
33 14 13 23-0282	EA	8"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	336.02	14.14
			<i>For DR 25, Deduct</i> .....	-18.46	
33 14 13 23-0283	EA	10"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	475.87	22.70
			<i>For DR 25, Deduct</i> .....	-25.83	
33 14 13 23-0284	EA	12"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	636.69	37.84
			<i>For DR 25, Deduct</i> .....	-33.66	
33 14 13 23-0285	EA	14"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,218.61	45.41
			<i>For DR 25, Deduct</i> .....	-67.67	
33 14 13 23-0286	EA	16"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,549.16	56.76
			<i>For DR 25, Deduct</i> .....	-86.14	
33 14 13 23-0287	EA	18"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,672.33	75.69
			<i>For DR 25, Deduct</i> .....	-151.26	
33 14 13 23-0288	EA	20"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,319.20	94.60
			<i>For DR 25, Deduct</i> .....	-187.80	
33 14 13 23-0289	EA	24"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,683.70	127.72
			<i>For DR 25, Deduct</i> .....	-265.70	
<b>33 14 13 23-0290</b>			<b>Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0245)</small></b> .....		
33 14 13 23-0291	EA	4"	Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	206.00	12.73
			<i>For DR 25, Deduct</i> .....	-10.83	
33 14 13 23-0292	EA	6"	Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	397.39	14.14
			<i>For DR 25, Deduct</i> .....	-22.15	
33 14 13 23-0293	EA	8"	Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	554.38	16.03
			<i>For DR 25, Deduct</i> .....	-31.34	
33 14 13 23-0294	EA	10"	Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,143.42	28.39
			<i>For DR 25, Deduct</i> .....	-65.20	
33 14 13 23-0295	EA	12"	Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,397.06	56.76
			<i>For DR 25, Deduct</i> .....	-77.01	
33 14 13 23-0296	EA	14"	Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,521.06	70.96
			<i>For DR 25, Deduct</i> .....	-142.75	
33 14 13 23-0297	EA	16"	Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,122.40	85.14
			<i>For DR 25, Deduct</i> .....	-177.12	
33 14 13 23-0298	EA	18"	Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,940.14	113.52
			<i>For DR 25, Deduct</i> .....	-222.79	
33 14 13 23-0299	EA	20"	Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,731.98	141.91
			<i>For DR 25, Deduct</i> .....	-266.89	
33 14 13 23-0300	EA	24"	Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	6,485.65	96.50
			<i>For DR 25, Deduct</i> .....	-377.56	
<b>33 14 13 23-0301</b>			<b>Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0245)</small></b> .....		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0302 EA 6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	395.89	18.38
For DR 25, Deduct	-21.55	
33 14 13 23-0303 EA 8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	538.25	19.80
For DR 25, Deduct	-29.92	
33 14 13 23-0304 EA 8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	551.75	20.50
For DR 25, Deduct	-30.64	
33 14 13 23-0305 EA 10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	716.65	28.39
For DR 25, Deduct	-39.59	
33 14 13 23-0306 EA 10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	969.97	29.09
For DR 25, Deduct	-54.71	
33 14 13 23-0307 EA 10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,037.56	29.80
For DR 25, Deduct	-58.68	
33 14 13 23-0308 EA 12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,100.79	43.52
For DR 25, Deduct	-60.83	
33 14 13 23-0309 EA 12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,263.23	44.22
For DR 25, Deduct	-70.49	
33 14 13 23-0310 EA 12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,340.00	44.94
For DR 25, Deduct	-75.01	
33 14 13 23-0311 EA 12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,365.48	49.19
For DR 25, Deduct	-76.03	
33 14 13 23-0312 EA 14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,072.18	51.09
For DR 25, Deduct	-118.20	
33 14 13 23-0313 EA 14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,155.44	51.80
For DR 25, Deduct	-123.11	
33 14 13 23-0314 EA 14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,238.91	52.50
For DR 25, Deduct	-128.03	
33 14 13 23-0315 EA 14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,328.99	56.76
For DR 25, Deduct	-132.93	
33 14 13 23-0316 EA 14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,426.02	64.33
For DR 25, Deduct	-137.84	
33 14 13 23-0317 EA 16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,585.93	62.43
For DR 25, Deduct	-147.66	
33 14 13 23-0318 EA 16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,667.74	62.43
For DR 25, Deduct	-152.57	
33 14 13 23-0319 EA 16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,761.02	63.15
For DR 25, Deduct	-157.48	
33 14 13 23-0320 EA 16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,834.29	63.85
For DR 25, Deduct	-162.39	
33 14 13 23-0321 EA 16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,939.74	75.69
For DR 25, Deduct	-167.30	
33 14 13 23-0322 EA 16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,029.15	79.47
For DR 25, Deduct	-172.21	
33 14 13 23-0323 EA 18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,196.05	81.36
For DR 25, Deduct	-182.00	
33 14 13 23-0324 EA 18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,279.89	82.07
For DR 25, Deduct	-186.95	
33 14 13 23-0325 EA 18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,363.15	82.78
For DR 25, Deduct	-191.86	
33 14 13 23-0326 EA 18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,453.50	87.04
For DR 25, Deduct	-196.77	
33 14 13 23-0327 EA 18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,550.45	94.60
For DR 25, Deduct	-201.67	
33 14 13 23-0328 EA 18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,639.29	98.39
For DR 25, Deduct	-206.55	
33 14 13 23-0329 EA 18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,752.27	104.06
For DR 25, Deduct	-212.65	
33 14 13 23-0330 EA 20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,053.39	100.28
For DR 25, Deduct	-231.17	
33 14 13 23-0331 EA 20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,194.56	100.99
For DR 25, Deduct	-239.55	
33 14 13 23-0332 EA 20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,250.15	101.70
For DR 25, Deduct	-242.81	
33 14 13 23-0333 EA 20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,312.92	105.95
For DR 25, Deduct	-246.06	
33 14 13 23-0334 EA 20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,382.25	113.52
For DR 25, Deduct	-249.31	
33 14 13 23-0335 EA 20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,477.68	117.31
For DR 25, Deduct	-254.58	
33 14 13 23-0336 EA 20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,576.92	122.99
For DR 25, Deduct	-259.86	
33 14 13 23-0337 EA 20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,654.44	132.45
For DR 25, Deduct	-263.37	
33 14 13 23-0338 EA 24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,773.54	133.39
For DR 25, Deduct	-270.41	
33 14 13 23-0339 EA 24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,833.60	134.10
For DR 25, Deduct	-273.92	
33 14 13 23-0340 EA 24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,893.64	134.81
For DR 25, Deduct	-277.44	
33 14 13 23-0341 EA 24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	5,140.53	139.07
For DR 25, Deduct	-291.74	
33 14 13 23-0342 EA 24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	5,394.02	146.63
For DR 25, Deduct	-306.05	
33 14 13 23-0343 EA 24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	5,639.98	150.42
For DR 25, Deduct	-320.35	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0344	EA		24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,889.70	156.09
			<i>For DR 25, Deduct</i>	-334.65	
33 14 13 23-0345	EA		24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,147.00	165.56
			<i>For DR 25, Deduct</i>	-348.95	
33 14 13 23-0346	EA		24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,404.30	175.02
			<i>For DR 25, Deduct</i>	-363.26	
<b>33 14 13 23-0347</b>			<b>Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0348	EA		4" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	285.99	22.62
			<i>For DR 25, Deduct</i>	-14.44	
33 14 13 23-0349	EA		6" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	512.93	25.45
			<i>For DR 25, Deduct</i>	-27.72	
33 14 13 23-0350	EA		8" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	709.79	28.28
			<i>For DR 25, Deduct</i>	-39.19	
33 14 13 23-0351	EA		10" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,448.57	45.41
			<i>For DR 25, Deduct</i>	-81.47	
33 14 13 23-0352	EA		12" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,718.27	56.76
			<i>For DR 25, Deduct</i>	-96.29	
33 14 13 23-0353	EA		14" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,125.47	75.69
			<i>For DR 25, Deduct</i>	-178.45	
33 14 13 23-0354	EA		16" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,878.75	94.60
			<i>For DR 25, Deduct</i>	-221.38	
33 14 13 23-0355	EA		18" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,944.80	151.36
			<i>For DR 25, Deduct</i>	-278.52	
33 14 13 23-0356	EA		20" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,938.71	189.21
			<i>For DR 25, Deduct</i>	-333.62	
33 14 13 23-0357	EA		24" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,376.21	255.44
			<i>For DR 25, Deduct</i>	-471.92	
<b>33 14 13 23-0358</b>			<b>Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0359	EA		6" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	497.34	24.04
			<i>For DR 25, Deduct</i>	-26.96	
33 14 13 23-0360	EA		8" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	675.00	25.45
			<i>For DR 25, Deduct</i>	-37.45	
33 14 13 23-0361	EA		8" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	692.29	26.87
			<i>For DR 25, Deduct</i>	-38.31	
33 14 13 23-0362	EA		10" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,038.66	34.06
			<i>For DR 25, Deduct</i>	-58.23	
33 14 13 23-0363	EA		10" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,210.85	35.48
			<i>For DR 25, Deduct</i>	-68.39	
33 14 13 23-0364	EA		10" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,330.02	36.90
			<i>For DR 25, Deduct</i>	-75.37	
33 14 13 23-0365	EA		12" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,365.99	49.19
			<i>For DR 25, Deduct</i>	-76.06	
33 14 13 23-0366	EA		12" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,569.61	50.61
			<i>For DR 25, Deduct</i>	-88.10	
33 14 13 23-0367	EA		12" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,666.68	52.03
			<i>For DR 25, Deduct</i>	-93.76	
33 14 13 23-0368	EA		12" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,704.83	60.54
			<i>For DR 25, Deduct</i>	-95.02	
33 14 13 23-0369	EA		14" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,576.02	56.76
			<i>For DR 25, Deduct</i>	-147.75	
33 14 13 23-0370	EA		14" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,680.87	58.18
			<i>For DR 25, Deduct</i>	-153.87	
33 14 13 23-0371	EA		14" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,786.83	59.60
			<i>For DR 25, Deduct</i>	-160.06	
33 14 13 23-0372	EA		14" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,906.54	68.11
			<i>For DR 25, Deduct</i>	-166.22	
33 14 13 23-0373	EA		14" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,038.73	83.25
			<i>For DR 25, Deduct</i>	-172.33	
33 14 13 23-0374	EA		16" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,212.05	68.11
			<i>For DR 25, Deduct</i>	-184.55	
33 14 13 23-0375	EA		16" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,318.26	69.54
			<i>For DR 25, Deduct</i>	-190.75	
33 14 13 23-0376	EA		16" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,423.34	70.96
			<i>For DR 25, Deduct</i>	-196.89	
33 14 13 23-0377	EA		16" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,542.96	79.47
			<i>For DR 25, Deduct</i>	-203.04	
33 14 13 23-0378	EA		16" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,602.30	94.60
			<i>For DR 25, Deduct</i>	-204.79	
33 14 13 23-0379	EA		16" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,792.43	102.17
			<i>For DR 25, Deduct</i>	-215.29	
33 14 13 23-0380	EA		18" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,966.25	87.04
			<i>For DR 25, Deduct</i>	-227.53	
33 14 13 23-0381	EA		18" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,072.21	88.46
			<i>For DR 25, Deduct</i>	-233.72	
33 14 13 23-0382	EA		18" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,177.46	89.87
			<i>For DR 25, Deduct</i>	-239.86	
33 14 13 23-0383	EA		18" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,295.54	98.39
			<i>For DR 25, Deduct</i>	-245.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0384 EA 18" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,428.95	113.52
For DR 25, Deduct	-252.11	
33 14 13 23-0385 EA 18" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,546.01	121.10
For DR 25, Deduct	-258.23	
33 14 13 23-0386 EA 18" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,695.55	132.45
For DR 25, Deduct	-265.84	
33 14 13 23-0387 EA 20" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,028.45	105.95
For DR 25, Deduct	-288.99	
33 14 13 23-0388 EA 20" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,205.67	107.37
For DR 25, Deduct	-299.46	
33 14 13 23-0389 EA 20" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,276.74	108.79
For DR 25, Deduct	-303.55	
33 14 13 23-0390 EA 20" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,361.26	117.31
For DR 25, Deduct	-307.60	
33 14 13 23-0391 EA 20" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,459.04	132.45
For DR 25, Deduct	-311.65	
33 14 13 23-0392 EA 20" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,583.25	140.01
For DR 25, Deduct	-318.19	
33 14 13 23-0393 EA 20" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,717.22	151.36
For DR 25, Deduct	-324.87	
33 14 13 23-0394 EA 20" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,828.10	170.29
For DR 25, Deduct	-329.25	
33 14 13 23-0395 EA 24" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,879.06	139.07
For DR 25, Deduct	-336.06	
33 14 13 23-0396 EA 24" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,988.07	140.49
For DR 25, Deduct	-342.43	
33 14 13 23-0397 EA 24" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,064.48	141.91
For DR 25, Deduct	-346.84	
33 14 13 23-0398 EA 24" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,379.15	150.42
For DR 25, Deduct	-364.70	
33 14 13 23-0399 EA 24" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,707.14	165.56
For DR 25, Deduct	-382.56	
33 14 13 23-0400 EA 24" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,019.96	173.13
For DR 25, Deduct	-400.42	
33 14 13 23-0401 EA 24" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,341.61	184.48
For DR 25, Deduct	-418.36	
33 14 13 23-0402 EA 24" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,676.49	203.39
For DR 25, Deduct	-436.18	
33 14 13 23-0403 EA 24" x 20" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,012.64	222.32
For DR 25, Deduct	-454.08	
<b>33 14 13 23-0404 Couplings, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0405 EA 4" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	103.80	11.31
For DR 25, Deduct	-4.87	
33 14 13 23-0406 EA 6" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	193.01	12.73
For DR 25, Deduct	-10.05	
33 14 13 23-0407 EA 8" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	232.26	14.14
For DR 25, Deduct	-12.24	
33 14 13 23-0408 EA 10" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	330.75	22.70
For DR 25, Deduct	-17.12	
33 14 13 23-0409 EA 12" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	525.60	28.39
For DR 25, Deduct	-28.13	
33 14 13 23-0410 EA 14" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	911.13	37.84
For DR 25, Deduct	-50.12	
33 14 13 23-0411 EA 16" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,079.50	47.30
For DR 25, Deduct	-59.09	
33 14 13 23-0412 EA 18" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,581.78	75.69
For DR 25, Deduct	-145.83	
33 14 13 23-0413 EA 20" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,895.02	94.60
For DR 25, Deduct	-162.35	
33 14 13 23-0414 EA 24" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,075.89	127.72
For DR 25, Deduct	-229.23	
<b>33 14 13 23-0415 Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0416 EA 4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	128.52	11.31
For DR 25, Deduct	-6.35	
33 14 13 23-0417 EA 6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	174.46	12.73
For DR 25, Deduct	-8.94	
33 14 13 23-0418 EA 8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	253.39	14.14
For DR 25, Deduct	-13.51	
33 14 13 23-0419 EA 10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	347.22	22.70
For DR 25, Deduct	-18.11	
33 14 13 23-0420 EA 12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	556.53	37.84
For DR 25, Deduct	-28.85	
33 14 13 23-0421 EA 14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,473.54	45.41
For DR 25, Deduct	-82.96	
33 14 13 23-0422 EA 16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,994.34	56.76
For DR 25, Deduct	-112.85	
33 14 13 23-0423 EA 18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,457.70	75.69
For DR 25, Deduct	-138.38	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0424	EA		20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,936.57	94.60
			<i>For DR 25, Deduct</i>	-164.84	
33 14 13 23-0425	EA		24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,989.19	127.72
			<i>For DR 25, Deduct</i>	-224.03	
<b>33 14 13 23-0426</b>			<b>AWWA C906, High Density Polyethylene (HDPE) Pressure Piping</b> <small>(33 14 13 23)</small>		
			Note: ASTM D3350 pipe, ASTM D2657 heat fusion.		
<b>33 14 13 23-0427</b>			<b>High Density Polyethylene (HDPE) Pressure Pipe</b> <small>(33 14 13 23-0426)</small>		
33 14 13 23-0428	LF		3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	7.04	2.78
			<i>For SDR 19, Add</i>	0.13	
			<i>For SDR 17, Add</i>	0.32	
			<i>For SDR 15.5, Add</i>	0.47	
			<i>For SDR 13.5, Add</i>	0.73	
			<i>For SDR 11, Add</i>	1.18	
33 14 13 23-0429	LF		4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	9.01	3.52
			<i>For SDR 26, Deduct</i>	-0.36	
			<i>For SDR 19, Add</i>	0.18	
			<i>For SDR 17, Add</i>	0.44	
			<i>For SDR 15.5, Add</i>	0.64	
			<i>For SDR 13.5, Add</i>	1.00	
			<i>For SDR 11, Add</i>	1.61	
33 14 13 23-0430	LF		6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	12.78	4.27
			<i>For SDR 26, Deduct</i>	-0.78	
			<i>For SDR 19, Add</i>	0.38	
			<i>For SDR 17, Add</i>	0.94	
			<i>For SDR 15.5, Add</i>	1.38	
			<i>For SDR 13.5, Add</i>	2.16	
			<i>For SDR 11, Add</i>	3.47	
33 14 13 23-0431	LF		8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	16.82	4.80
			<i>For SDR 26, Deduct</i>	-1.32	
			<i>For SDR 19, Add</i>	0.65	
			<i>For SDR 17, Add</i>	1.60	
			<i>For SDR 15.5, Add</i>	2.35	
			<i>For SDR 13.5, Add</i>	3.67	
			<i>For SDR 11, Add</i>	5.90	
33 14 13 23-0432	LF		10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	21.89	5.34
			<i>For SDR 26, Deduct</i>	-2.06	
			<i>For SDR 19, Add</i>	1.01	
			<i>For SDR 17, Add</i>	2.49	
			<i>For SDR 15.5, Add</i>	3.65	
			<i>For SDR 13.5, Add</i>	5.70	
			<i>For SDR 11, Add</i>	9.17	
33 14 13 23-0433	LF		12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	28.02	59.74
			<i>For SDR 26, Deduct</i>	-2.97	
			<i>For SDR 19, Add</i>	1.46	
			<i>For SDR 17, Add</i>	3.60	
			<i>For SDR 15.5, Add</i>	5.26	
			<i>For SDR 13.5, Add</i>	8.22	
			<i>For SDR 11, Add</i>	13.23	
33 14 13 23-0434	LF		14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	32.35	6.72
			<i>For SDR 26, Deduct</i>	-3.49	
			<i>For SDR 19, Add</i>	1.71	
			<i>For SDR 17, Add</i>	4.23	
			<i>For SDR 15.5, Add</i>	6.19	
			<i>For SDR 13.5, Add</i>	9.66	
			<i>For SDR 11, Add</i>	15.55	
33 14 13 23-0435	LF		16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	39.78	7.47
			<i>For SDR 26, Deduct</i>	-4.56	
			<i>For SDR 19, Add</i>	2.24	
			<i>For SDR 17, Add</i>	5.52	
			<i>For SDR 15.5, Add</i>	8.09	
			<i>For SDR 13.5, Add</i>	12.62	
			<i>For SDR 11, Add</i>	20.31	
33 14 13 23-0436	LF		18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	49.37	8.96
			<i>For SDR 26, Deduct</i>	-5.76	
			<i>For SDR 19, Add</i>	2.83	
			<i>For SDR 17, Add</i>	6.98	
			<i>For SDR 15.5, Add</i>	10.22	
			<i>For SDR 13.5, Add</i>	15.95	
			<i>For SDR 11, Add</i>	25.67	
33 14 13 23-0437	LF		20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	67.72	10.67
			<i>For SDR 26, Deduct</i>	-8.50	
			<i>For SDR 19, Add</i>	4.18	
			<i>For SDR 17, Add</i>	10.31	
			<i>For SDR 15.5, Add</i>	15.10	
			<i>For SDR 13.5, Add</i>	23.56	
			<i>For SDR 11, Add</i>	37.92	
33 14 13 23-0438	LF		24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	81.47	12.80
			<i>For SDR 26, Deduct</i>	-10.24	
			<i>For SDR 19, Add</i>	5.03	
			<i>For SDR 17, Add</i>	12.41	
			<i>For SDR 15.5, Add</i>	18.18	
			<i>For SDR 13.5, Add</i>	28.38	
			<i>For SDR 11, Add</i>	45.67	





<b>Utilities</b>	<b>33</b>	<b>CS</b>
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 14 13 23-0439 90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping</b> <small>(33 14 13 23-0426)</small>		
33 14 13 23-0440 EA 3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	53.11	14.14
For SDR 26, Deduct	-1.96	
For SDR 19, Add	0.96	
For SDR 17, Add	2.38	
For SDR 15.5, Add	3.48	
For SDR 13.5, Add	5.43	
For SDR 11, Add	8.74	
33 14 13 23-0441 EA 4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	59.88	15.72
For SDR 26, Deduct	-2.34	
For SDR 19, Add	1.15	
For SDR 17, Add	2.83	
For SDR 15.5, Add	4.15	
For SDR 13.5, Add	6.47	
For SDR 11, Add	10.41	
33 14 13 23-0442 EA 6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	87.73	17.96
For SDR 26, Deduct	-6.21	
For SDR 19, Add	3.05	
For SDR 17, Add	7.53	
For SDR 15.5, Add	11.03	
For SDR 13.5, Add	17.21	
For SDR 11, Add	27.71	
33 14 13 23-0443 EA 8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	133.70	20.97
For SDR 26, Deduct	-12.98	
For SDR 19, Add	6.37	
For SDR 17, Add	15.74	
For SDR 15.5, Add	23.05	
For SDR 13.5, Add	35.97	
For SDR 11, Add	57.90	
33 14 13 23-0444 EA 10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	202.03	28.00
For SDR 26, Deduct	-21.67	
For SDR 19, Add	10.64	
For SDR 17, Add	26.27	
For SDR 15.5, Add	38.47	
For SDR 13.5, Add	60.05	
For SDR 11, Add	96.65	
33 14 13 23-0445 EA 12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	298.79	41.91
For SDR 26, Deduct	-31.73	
For SDR 19, Add	15.58	
For SDR 17, Add	38.47	
For SDR 15.5, Add	56.34	
For SDR 13.5, Add	87.93	
For SDR 11, Add	141.53	
33 14 13 23-0446 EA 14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	374.08	55.93
For SDR 26, Deduct	-37.83	
For SDR 19, Add	18.58	
For SDR 17, Add	45.86	
For SDR 15.5, Add	67.16	
For SDR 13.5, Add	104.83	
For SDR 11, Add	168.72	
33 14 13 23-0447 EA 16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	498.48	83.81
For SDR 26, Deduct	-45.30	
For SDR 19, Add	22.24	
For SDR 17, Add	54.92	
For SDR 15.5, Add	80.43	
For SDR 13.5, Add	125.53	
For SDR 11, Add	202.05	
33 14 13 23-0448 EA 18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	619.18	94.27
For SDR 26, Deduct	-61.65	
For SDR 19, Add	30.27	
For SDR 17, Add	74.73	
For SDR 15.5, Add	109.45	
For SDR 13.5, Add	170.83	
For SDR 11, Add	274.96	
33 14 13 23-0449 EA 20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	830.07	107.00
For SDR 26, Deduct	-92.71	
For SDR 19, Add	45.52	
For SDR 17, Add	112.38	
For SDR 15.5, Add	164.58	
For SDR 13.5, Add	256.89	
For SDR 11, Add	413.48	
33 14 13 23-0450 EA 24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,052.32	125.76
For SDR 26, Deduct	-123.77	
For SDR 19, Add	60.77	
For SDR 17, Add	150.03	
For SDR 15.5, Add	219.72	
For SDR 13.5, Add	342.94	
For SDR 11, Add	551.99	

**33 14 13 23-0451 Tees, High Density Polyethylene (HDPE) Pressure Piping** (33 14 13 23-0426)

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0452 EA 3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	58.29	14.80
For SDR 26, Deduct	-2.56	
For SDR 19, Add	1.26	
For SDR 17, Add	3.11	
For SDR 15.5, Add	4.55	
For SDR 13.5, Add	7.10	
For SDR 11, Add	11.43	
33 14 13 23-0453 EA 4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	66.72	16.76
For SDR 26, Deduct	-3.02	
For SDR 19, Add	1.48	
For SDR 17, Add	3.66	
For SDR 15.5, Add	5.36	
For SDR 13.5, Add	8.36	
For SDR 11, Add	13.46	
33 14 13 23-0454 EA 6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	101.02	19.35
For SDR 26, Deduct	-7.89	
For SDR 19, Add	3.87	
For SDR 17, Add	9.56	
For SDR 15.5, Add	14.00	
For SDR 13.5, Add	21.85	
For SDR 11, Add	35.18	
33 14 13 23-0455 EA 8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	177.70	22.87
For SDR 26, Deduct	-20.01	
For SDR 19, Add	9.82	
For SDR 17, Add	24.26	
For SDR 15.5, Add	35.52	
For SDR 13.5, Add	55.44	
For SDR 11, Add	89.24	
33 14 13 23-0456 EA 10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	244.38	33.56
For SDR 26, Deduct	-26.36	
For SDR 19, Add	12.94	
For SDR 17, Add	31.95	
For SDR 15.5, Add	46.80	
For SDR 13.5, Add	73.04	
For SDR 11, Add	117.56	
33 14 13 23-0457 EA 12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	347.24	50.35
For SDR 26, Deduct	-35.99	
For SDR 19, Add	17.67	
For SDR 17, Add	43.63	
For SDR 15.5, Add	63.90	
For SDR 13.5, Add	99.74	
For SDR 11, Add	160.53	
33 14 13 23-0458 EA 14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	419.56	62.89
For SDR 26, Deduct	-42.35	
For SDR 19, Add	20.79	
For SDR 17, Add	51.33	
For SDR 15.5, Add	75.17	
For SDR 13.5, Add	117.34	
For SDR 11, Add	188.86	
33 14 13 23-0459 EA 16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	557.29	94.27
For SDR 26, Deduct	-50.29	
For SDR 19, Add	24.69	
For SDR 17, Add	60.96	
For SDR 15.5, Add	89.27	
For SDR 13.5, Add	139.34	
For SDR 11, Add	224.27	
33 14 13 23-0460 EA 18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	710.61	109.82
For SDR 26, Deduct	-69.87	
For SDR 19, Add	34.31	
For SDR 17, Add	84.70	
For SDR 15.5, Add	124.04	
For SDR 13.5, Add	193.60	
For SDR 11, Add	311.61	
33 14 13 23-0461 EA 20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	981.19	129.72
For SDR 26, Deduct	-107.72	
For SDR 19, Add	52.89	
For SDR 17, Add	130.58	
For SDR 15.5, Add	191.22	
For SDR 13.5, Add	298.47	
For SDR 11, Add	480.41	
33 14 13 23-0462 EA 24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping .....	1,265.50	157.25
For SDR 26, Deduct	-145.56	
For SDR 19, Add	71.47	
For SDR 17, Add	176.46	
For SDR 15.5, Add	258.41	
For SDR 13.5, Add	403.34	
For SDR 11, Add	649.20	

**33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping (33 14 13)**

See CSI section 22 11 16 00-0013 for galvanized steel pipe.

**33 14 13 36 Steel Public Water Utility Distribution Piping (33 14 13)**

33 14 13 36-0001 Steel Piping (33 14 13 36)

33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0001)

Note: ASTM A252 steel pipe.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 14 13 36-0003</b> Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping <sup>(33 14 13)</sup>		
33 14 13 36-0004 LF 8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	108.25	25.84
For <100, Add	11.29	
For >1,000, Deduct	-5.41	
33 14 13 36-0005 LF 8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	130.25	25.84
For <100, Add	12.39	
For >1,000, Deduct	-6.51	
33 14 13 36-0006 LF 10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	129.24	28.19
For <100, Add	12.87	
For >1,000, Deduct	-6.46	
33 14 13 36-0007 LF 10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	157.05	28.19
For <100, Add	14.26	
For >1,000, Deduct	-7.85	
33 14 13 36-0008 LF 12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	157.21	29.54
For <100, Add	14.57	
For >1,000, Deduct	-7.86	
33 14 13 36-0009 LF 12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	178.84	29.54
For <100, Add	15.65	
For >1,000, Deduct	-8.94	
33 14 13 36-0010 LF 14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	191.01	32.64
For <100, Add	16.97	
For >1,000, Deduct	-9.55	
33 14 13 36-0011 LF 14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	208.29	32.64
For <100, Add	17.84	
For >1,000, Deduct	-10.41	
33 14 13 36-0012 LF 16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	202.75	34.46
For <100, Add	17.97	
For >1,000, Deduct	-10.14	
33 14 13 36-0013 LF 16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	216.10	34.46
For <100, Add	18.64	
For >1,000, Deduct	-10.81	
33 14 13 36-0014 LF 18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	251.91	38.76
For <100, Add	21.41	
For >1,000, Deduct	-12.60	
33 14 13 36-0015 LF 20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	273.79	38.76
For <100, Add	22.50	
For >1,000, Deduct	-13.69	
<b>33 14 13 36-0016</b> 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping <sup>(33 14)</sup>		
33 14 13 36-0017 LF 12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	219.08	51.97
For <100, Add	19.12	
For >1,000, Deduct	-10.95	
33 14 13 36-0018 LF 14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	260.40	57.17
For <100, Add	22.05	
For >1,000, Deduct	-13.02	
33 14 13 36-0019 LF 16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	289.58	59.77
For <100, Add	24.01	
For >1,000, Deduct	-14.48	
33 14 13 36-0020 LF 18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	326.69	67.56
For <100, Add	27.05	
For >1,000, Deduct	-16.33	
33 14 13 36-0021 LF 18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	341.52	67.56
For <100, Add	27.80	
For >1,000, Deduct	-17.08	
33 14 13 36-0022 LF 20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	355.24	67.56
For <100, Add	28.48	
For >1,000, Deduct	-17.76	
33 14 13 36-0023 LF 20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	371.06	67.56
For <100, Add	29.27	
For >1,000, Deduct	-18.55	
33 14 13 36-0024 LF 24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	430.22	77.96
For <100, Add	33.76	
For >1,000, Deduct	-21.51	
33 14 13 36-0025 LF 24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	479.16	77.96
For <100, Add	36.21	
For >1,000, Deduct	-23.96	
33 14 13 36-0026 LF 24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	599.30	77.96
For <100, Add	42.22	
For >1,000, Deduct	-29.97	
33 14 13 36-0027 LF 30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	535.29	90.95
For <100, Add	41.06	
For >1,000, Deduct	-26.76	
33 14 13 36-0028 LF 30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	555.31	90.95
For <100, Add	42.06	
For >1,000, Deduct	-27.77	
33 14 13 36-0029 LF 30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	744.17	90.95
For <100, Add	51.50	
For >1,000, Deduct	-37.21	
33 14 13 36-0030 LF 36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	639.11	90.95
For <100, Add	46.25	
For >1,000, Deduct	-31.96	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0031 LF 36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	749.14	109.14
For <100, Add	54.61	
For >1,000, Deduct	-37.46	
33 14 13 36-0032 LF 36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	895.60	109.14
For <100, Add	61.93	
For >1,000, Deduct	-44.78	
33 14 13 36-0033 LF 36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	859.02	109.14
For <100, Add	60.10	
For >1,000, Deduct	-42.95	
33 14 13 36-0034 LF 42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,319.75	122.13
For <100, Add	85.04	
For >1,000, Deduct	-65.99	
33 14 13 36-0035 LF 42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	797.43	122.13
For <100, Add	58.93	
For >1,000, Deduct	-39.87	
33 14 13 36-0036 LF 48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,513.62	137.73
For <100, Add	97.12	
For >1,000, Deduct	-75.68	
33 14 13 36-0037 LF 48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	874.62	137.73
For <100, Add	65.17	
For >1,000, Deduct	-43.73	
33 14 13 36-0038 LF 54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,584.71	155.91
For <100, Add	103.74	
For >1,000, Deduct	-79.24	
33 14 13 36-0039 LF 54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,751.57	155.91
For <100, Add	112.08	
For >1,000, Deduct	-87.58	
33 14 13 36-0040 LF 60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,958.01	181.90
For <100, Add	126.49	
For >1,000, Deduct	-97.90	
33 14 13 36-0041 LF 66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,364.75	181.90
For <100, Add	96.82	
For >1,000, Deduct	-68.24	
33 14 13 36-0042 LF 72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,505.43	149.55
For <100, Add	120.14	
For >1,000, Deduct	-75.27	
33 14 13 36-0043 LF 78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	2,845.23	149.55
For <100, Add	187.13	
For >1,000, Deduct	-142.26	

**33 14 13 36-0044 Flexible Couplings (Dresser Style 38) (33 14 13 36-0001)**

33 14 13 36-0045 EA 2" Dresser Coupling For Plain End Welded Steel Pipe.....	109.98	25.38
33 14 13 36-0046 EA 3" Dresser Coupling For Plain End Welded Steel Pipe.....	161.50	48.82
33 14 13 36-0047 EA 4" Dresser Coupling For Plain End Welded Steel Pipe.....	214.92	64.45
33 14 13 36-0048 EA 6" Dresser Coupling For Plain End Welded Steel Pipe.....	342.97	97.64
33 14 13 36-0049 EA 8" Dresser Coupling For Plain End Welded Steel Pipe.....	449.17	123.02
33 14 13 36-0050 EA 10" Dresser Coupling For Plain End Welded Steel Pipe.....	619.25	149.89
33 14 13 36-0051 EA 12" Dresser Coupling For Plain End Welded Steel Pipe.....	735.39	187.86
33 14 13 36-0052 EA 14" Dresser Coupling For Plain End Welded Steel Pipe.....	791.66	187.86
33 14 13 36-0053 EA 16" Dresser Coupling For Plain End Welded Steel Pipe.....	836.58	214.84
33 14 13 36-0054 EA 18" Dresser Coupling For Plain End Welded Steel Pipe.....	916.55	229.82
33 14 13 36-0055 EA 20" Dresser Coupling For Plain End Welded Steel Pipe.....	999.71	259.80
33 14 13 36-0056 EA 24" Dresser Coupling For Plain End Welded Steel Pipe.....	1,260.13	274.79
33 14 13 36-0057 EA 30" Dresser Coupling For Plain End Welded Steel Pipe.....	1,509.77	299.77
33 14 13 36-0058 EA 36" Dresser Coupling For Plain End Welded Steel Pipe.....	1,769.99	337.25
33 14 13 36-0059 EA 42" Dresser Coupling For Plain End Welded Steel Pipe.....	2,042.81	379.71
33 14 13 36-0060 EA 48" Dresser Coupling For Plain End Welded Steel Pipe.....	2,376.39	437.17
33 14 13 36-0061 EA 54" Dresser Coupling For Plain End Welded Steel Pipe.....	2,636.20	499.62
33 14 13 36-0062 EA 60" Dresser Coupling For Plain End Welded Steel Pipe.....	3,037.12	624.53
33 14 13 36-0063 EA 66" Dresser Coupling For Plain End Welded Steel Pipe.....	3,500.99	759.42
33 14 13 36-0064 EA 72" Dresser Coupling For Plain End Welded Steel Pipe.....	4,173.13	899.31

**33 14 13 39 Copper Public Water Utility Distribution Piping (33 14 13)****33 14 13 39-0001 Type L Copper Water Distribution Piping (33 14 13 39)**

33 14 13 39-0002 LF 1/2" Type L Copper Water Distribution Pipe.....	7.89	1.82
33 14 13 39-0003 LF 3/4" Type L Copper Water Distribution Pipe.....	10.33	2.05
33 14 13 39-0004 LF 1" Type L Copper Water Distribution Pipe.....	13.81	2.27
33 14 13 39-0005 LF 1-1/4" Type L Copper Water Distribution Pipe.....	17.52	2.72
33 14 13 39-0006 LF 1-1/2" Type L Copper Water Distribution Pipe.....	21.78	3.64
33 14 13 39-0007 LF 2" Type L Copper Water Distribution Pipe.....	32.62	4.54
33 14 13 39-0008 LF 2-1/2" Type L Copper Water Distribution Pipe.....	40.69	5.46
33 14 13 39-0009 LF 3" Type L Copper Water Distribution Pipe.....	51.77	6.00
33 14 13 39-0010 LF 3-1/2" Type L Copper Water Distribution Pipe.....	69.35	7.55
33 14 13 39-0011 LF 4" Type L Copper Water Distribution Pipe.....	91.96	9.54
33 14 13 39-0012 LF 5" Type L Copper Water Distribution Pipe.....	151.47	11.91
33 14 13 39-0013 LF 6" Type L Copper Water Distribution Pipe.....	196.59	14.36
33 14 13 39-0014 LF 8" Type L Copper Water Distribution Pipe.....	346.77	16.08

**33 14 13 39-0015 Type K Copper Water Distribution Piping (33 14 13 39)**



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39-0016 LF 1/2" Type K Copper Water Distribution Pipe.....	8.51	1.82
33 14 13 39-0017 LF 3/4" Type K Copper Water Distribution Pipe.....	12.52	2.05
33 14 13 39-0018 LF 1" Type K Copper Water Distribution Pipe.....	16.00	2.27
33 14 13 39-0019 LF 1-1/4" Type K Copper Water Distribution Pipe.....	18.87	2.72
33 14 13 39-0020 LF 1-1/2" Type K Copper Water Distribution Pipe.....	23.78	3.64
33 14 13 39-0021 LF 2" Type K Copper Water Distribution Pipe.....	35.31	4.54
33 14 13 39-0022 LF 2-1/2" Type K Copper Water Distribution Pipe.....	48.15	5.46
33 14 13 39-0023 LF 3" Type K Copper Water Distribution Pipe.....	62.94	6.00
33 14 13 39-0024 LF 3-1/2" Type K Copper Water Distribution Pipe.....	82.49	7.55
33 14 13 39-0025 LF 4" Type K Copper Water Distribution Pipe.....	111.89	9.54
33 14 13 39-0026 LF 5" Type K Copper Water Distribution Pipe.....	192.72	11.91
33 14 13 39-0027 LF 6" Type K Copper Water Distribution Pipe.....	270.76	14.36
33 14 13 39-0028 LF 8" Type K Copper Water Distribution Pipe.....	483.66	16.08
<b>33 14 13 43 Public Water Utility Distribution Piping Coatings and Wraps (33 14 13)</b>		
<b>33 14 13 43-0001 Pipe Coatings (33 14 13 43)</b>		
<b>33 14 13 43-0002 Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating (33 14 13 43-0001)</b>		
Note: Applied at fabrication shop.		
33 14 13 43-0003 LF 8" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	2.40	
33 14 13 43-0004 LF 10" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	2.86	
33 14 13 43-0005 LF 12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	3.37	
33 14 13 43-0006 LF 14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	4.49	
33 14 13 43-0007 LF 16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	5.12	
33 14 13 43-0008 LF 18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	5.38	
33 14 13 43-0009 LF 20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	5.79	
33 14 13 43-0010 LF 24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	6.75	
33 14 13 43-0011 LF 30" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	8.86	
33 14 13 43-0012 LF 36" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	14.00	
<b>33 14 13 43-0013 Cement Coating With Fiberglass Or Wire Mesh Reinforcing (33 14 13 43-0001)</b>		
Note: Applied at fabrication shop. Thickness ranging between 1" and 2".		
33 14 13 43-0014 LF 4" Diameter Cement Coated Pipe 1" To 2" Mesh.....	7.48	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0015 LF 6" Diameter Cement Coated Pipe 1" To 2" Mesh.....	9.21	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0016 LF 8" Diameter Cement Coated Pipe 1" To 2" Mesh.....	11.51	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0017 LF 10" Diameter Cement Coated Pipe 1" To 2" Mesh.....	12.82	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0018 LF 12" Diameter Cement Coated Pipe 1" To 2" Mesh.....	14.48	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0019 LF 14" Diameter Cement Coated Pipe 1" To 2" Mesh.....	16.95	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0020 LF 16" Diameter Cement Coated Pipe 1" To 2" Mesh.....	19.25	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0021 LF 18" Diameter Cement Coated Pipe 1" To 2" Mesh.....	21.72	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0022 LF 20" Diameter Cement Coated Pipe 1" To 2" Mesh.....	24.14	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0023 LF 24" Diameter Cement Coated Pipe 1" To 2" Mesh.....	28.96	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0024 LF 30" Diameter Cement Coated Pipe 1" To 2" Mesh.....	36.20	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0025 LF 36" Diameter Cement Coated Pipe 1" To 2" Mesh.....	43.44	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0026 LF 42" Diameter Cement Coated Pipe 1" To 2" Mesh.....	25.10	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0027 LF 48" Diameter Cement Coated Pipe 1" To 2" Mesh.....	28.68	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0028 LF 54" Diameter Cement Coated Pipe 1" To 2" Mesh.....	32.27	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0029 LF 60" Diameter Cement Coated Pipe 1" To 2" Mesh.....	35.85	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0030 LF 66" Diameter Cement Coated Pipe 1" To 2" Mesh.....	39.44	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0031 LF 72" Diameter Cement Coated Pipe 1" To 2" Mesh.....	43.02	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0032 LF 78" Diameter Cement Coated Pipe 1" To 2" Mesh.....	46.61	
Note: Reinforcing applied at fabrication shop.		
<b>33 14 13 43-0033 Pipe Lining (33 14 13 43)</b>		
<b>33 14 13 43-0034 Cement Pipe Lining (33 14 13 43-0033)</b>		
Note: Shop applied.		
33 14 13 43-0035 LF 4" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	12.07	
For 1/2" Thick, Add		1.00
33 14 13 43-0036 LF 6" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	14.98	
For 1/2" Thick, Add		1.23

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 43-0037	LF	8" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	18.28	
		<i>For 1/2" Thick, Add</i>	1.53	
33 14 13 43-0038	LF	10" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	23.74	
		<i>For 1/2" Thick, Add</i>	1.92	
33 14 13 43-0039	LF	12" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	29.23	
		<i>For 1/2" Thick, Add</i>	2.31	
33 14 13 43-0040	LF	14" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	37.38	
		<i>For 1/2" Thick, Add</i>	2.70	
33 14 13 43-0041	LF	16" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	48.50	
		<i>For 1/2" Thick, Add</i>	3.07	
33 14 13 43-0042	LF	18" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	57.98	
		<i>For 1/2" Thick, Add</i>	2.94	
33 14 13 43-0043	LF	20" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	70.08	
		<i>For 1/2" Thick, Add</i>	3.27	
33 14 13 43-0044	LF	24" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	84.98	
		<i>For 1/2" Thick, Add</i>	3.92	
33 14 13 43-0045	LF	30" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	102.24	
		<i>For 1/2" Thick, Add</i>	4.90	
33 14 13 43-0046	LF	36" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	123.04	
		<i>For 1/2" Thick, Add</i>	5.88	
33 14 13 43-0047	LF	42" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	143.57	
		<i>For 1/2" Thick, Add</i>	5.05	
33 14 13 43-0048	LF	48" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	164.02	
		<i>For 1/2" Thick, Add</i>	5.77	
33 14 13 43-0049	LF	54" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	184.56	
		<i>For 1/2" Thick, Add</i>	6.49	
33 14 13 43-0050	LF	60" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	205.10	
		<i>For 1/2" Thick, Add</i>	7.21	
33 14 13 43-0051	LF	66" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	225.54	
		<i>For 1/2" Thick, Add</i>	4.23	
33 14 13 43-0052	LF	72" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	246.08	
		<i>For 1/2" Thick, Add</i>	4.61	
33 14 13 43-0053	LF	78" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	266.62	
		<i>For 1/2" Thick, Add</i>	5.00	

**33 14 13 43-0054 Cement Fitting Lining** (33 14 13 43-0033)

Note: Shop applied.

33 14 13 43-0055	EA	4" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	12.07	
		<i>For 1/2" Thick, Add</i>	1.00	
33 14 13 43-0056	EA	6" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	14.98	
		<i>For 1/2" Thick, Add</i>	1.23	
33 14 13 43-0057	EA	8" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	23.23	
		<i>For 1/2" Thick, Add</i>	1.99	
33 14 13 43-0058	EA	10" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	38.34	
		<i>For 1/2" Thick, Add</i>	3.07	
33 14 13 43-0059	EA	12" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	58.45	
		<i>For 1/2" Thick, Add</i>	4.61	
33 14 13 43-0060	EA	14" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	86.77	
		<i>For 1/2" Thick, Add</i>	6.21	
33 14 13 43-0061	EA	16" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	128.31	
		<i>For 1/2" Thick, Add</i>	7.98	
33 14 13 43-0062	EA	18" Outside Diameter, 5/16" Thick Cement Fittings Lining.....	173.95	
		<i>For 1/2" Thick, Add</i>	8.82	
33 14 13 43-0063	EA	20" Outside Diameter, 5/16" Thick Cement Fitting Lining.....	233.48	
		<i>For 1/2" Thick, Add</i>	10.89	
33 14 13 43-0064	EA	24" Outside Diameter, 5/16" Thick Cement Fitting Lining.....	339.89	
		<i>For 1/2" Thick, Add</i>	15.69	

**33 14 13 43-0065 8 Mil Polyethylene Encasement Tubing** (33 14 13 43)

Note: ANSI/AWWA C105/A21.5-99 section 4.2.

33 14 13 43-0066	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing.....	0.88	
33 14 13 43-0067	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.46	
33 14 13 43-0068	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.84	
33 14 13 43-0069	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.33	
33 14 13 43-0070	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing.....	3.23	
33 14 13 43-0071	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing.....	4.17	
33 14 13 43-0072	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing.....	5.30	
33 14 13 43-0073	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing.....	6.32	
33 14 13 43-0074	LF	54" Diameter, 8 Mil Polyethylene Encasement Tubing.....	7.54	
33 14 13 43-0075	LF	60" Diameter, 8 Mil Polyethylene Encasement Tubing.....	8.39	

**33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters** (33 14 13)**33 14 13 53-0001 Double Stud Stainless Steel Service Saddles** (33 14 13 53)

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	248.49	
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	352.61	
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	363.86	
33 14 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	298.89	
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	377.15	
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	312.07	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0008	EA			8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	394.79	
33 14 13 53-0009	EA			10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	352.19	
33 14 13 53-0010	EA			10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	415.87	
33 14 13 53-0011	EA			12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	367.07	
33 14 13 53-0012	EA			12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	427.22	
<b>33 14 13 53-0013</b>	<b>Double Bale Epoxy Coated Ductile Iron Body Service Saddles <small>(33 14 13 53)</small></b>					
Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.						
33 14 13 53-0014	EA			1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	205.51	
33 14 13 53-0015	EA			2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	205.66	
33 14 13 53-0016	EA			2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	218.77	
33 14 13 53-0017	EA			2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	209.27	
33 14 13 53-0018	EA			3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	223.93	
33 14 13 53-0019	EA			3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	248.18	
33 14 13 53-0020	EA			3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	264.00	
33 14 13 53-0021	EA			4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	241.08	
33 14 13 53-0022	EA			4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	265.53	
33 14 13 53-0023	EA			4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	278.96	
33 14 13 53-0024	EA			5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	254.32	
33 14 13 53-0025	EA			5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	279.58	
33 14 13 53-0026	EA			5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	292.93	
33 14 13 53-0027	EA			6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	268.05	
33 14 13 53-0028	EA			6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	292.55	
33 14 13 53-0029	EA			6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	305.73	
33 14 13 53-0030	EA			6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	453.12	
33 14 13 53-0031	EA			6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	464.37	
33 14 13 53-0032	EA			8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	290.63	
33 14 13 53-0033	EA			8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	320.38	
33 14 13 53-0034	EA			8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	332.55	
33 14 13 53-0035	EA			8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	537.73	
33 14 13 53-0036	EA			10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	326.26	
33 14 13 53-0037	EA			10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	362.06	
33 14 13 53-0038	EA			10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	601.57	
33 14 13 53-0039	EA			12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	355.45	
33 14 13 53-0040	EA			12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	393.35	
33 14 13 53-0041	EA			12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	407.32	
33 14 13 53-0042	EA			12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	672.56	
33 14 13 53-0043	EA			14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	416.48	
33 14 13 53-0044	EA			14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	446.04	
33 14 13 53-0045	EA			14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	480.79	
33 14 13 53-0046	EA			14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	829.60	
33 14 13 53-0047	EA			15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	427.73	
33 14 13 53-0048	EA			15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	488.41	
33 14 13 53-0049	EA			15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	508.76	
33 14 13 53-0050	EA			15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	892.24	
33 14 13 53-0051	EA			16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	446.98	
33 14 13 53-0052	EA			16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	509.90	
33 14 13 53-0053	EA			16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	530.81	
33 14 13 53-0054	EA			16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	928.58	
33 14 13 53-0055	EA			18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	495.75	
33 14 13 53-0056	EA			18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	574.44	
33 14 13 53-0057	EA			20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	566.56	
33 14 13 53-0058	EA			20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	627.70	
33 14 13 53-0059	EA			24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	591.82	
33 14 13 53-0060	EA			24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	669.08	
<b>33 14 13 53-0061</b>	<b>Double Bale Bronze Service Saddles <small>(33 14 13 53)</small></b>					
33 14 13 53-0062	EA			4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	286.63	
33 14 13 53-0063	EA			4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	313.73	
33 14 13 53-0064	EA			6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	326.07	
33 14 13 53-0065	EA			6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	353.43	
33 14 13 53-0066	EA			8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	364.04	
33 14 13 53-0067	EA			8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	382.62	
33 14 13 53-0068	EA			10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	351.89	
33 14 13 53-0069	EA			10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	374.47	
33 14 13 53-0070	EA			12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	449.13	
33 14 13 53-0071	EA			12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	486.15	
33 14 13 53-0072	EA			14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	681.48	
33 14 13 53-0073	EA			14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	770.99	
33 14 13 53-0074	EA			16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	793.56	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 53-0075 EA 16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....886.87

**33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle** (33 14 13 53)

Note: Taps are compression or NPT.

33 14 13 53-0077 EA 4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....301.70  
 33 14 13 53-0078 EA 4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....332.75  
 33 14 13 53-0079 EA 6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....343.87  
 33 14 13 53-0080 EA 6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....373.76  
 33 14 13 53-0081 EA 8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....386.04  
 33 14 13 53-0082 EA 8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....405.80  
 33 14 13 53-0083 EA 10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....435.76  
 33 14 13 53-0084 EA 10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....466.62  
 33 14 13 53-0085 EA 12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....469.29  
 33 14 13 53-0086 EA 12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....508.91  
 33 14 13 53-0087 EA 14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....731.44  
 33 14 13 53-0088 EA 14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....841.64  
 33 14 13 53-0089 EA 16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....852.84  
 33 14 13 53-0090 EA 16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....929.89  
 33 14 13 53-0091 EA 18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....1,732.09  
 33 14 13 53-0092 EA 18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....1,732.09  
 33 14 13 53-0093 EA 20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....1,797.29  
 33 14 13 53-0094 EA 20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....1,797.29  
 33 14 13 53-0095 EA 24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....1,929.31  
 33 14 13 53-0096 EA 24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....1,929.31

**33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve** (33 14 13 53)

33 14 13 53-0098 EA 4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....1,361.98  
 33 14 13 53-0099 EA 6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....1,643.74  
 33 14 13 53-0100 EA 8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....1,967.06  
 33 14 13 53-0101 EA 8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....2,083.11  
 33 14 13 53-0102 EA 10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....3,188.71  
 33 14 13 53-0103 EA 10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....3,351.58  
 33 14 13 53-0104 EA 10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....3,420.76  
 33 14 13 53-0105 EA 12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....3,357.52  
 33 14 13 53-0106 EA 12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....3,519.73  
 33 14 13 53-0107 EA 12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....3,916.67  
 33 14 13 53-0108 EA 12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....4,016.55  
 33 14 13 53-0109 EA 14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....6,764.57  
 33 14 13 53-0110 EA 14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....6,948.01  
 33 14 13 53-0111 EA 14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....7,029.85  
 33 14 13 53-0112 EA 14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....7,064.37  
 33 14 13 53-0113 EA 14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....7,323.83  
 33 14 13 53-0114 EA 16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....7,310.37  
 33 14 13 53-0115 EA 16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....7,332.89  
 33 14 13 53-0116 EA 16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....7,538.02  
 33 14 13 53-0117 EA 16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....7,585.49  
 33 14 13 53-0118 EA 16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....7,637.86  
 33 14 13 53-0119 EA 16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....11,761.92  
 33 14 13 53-0120 EA 16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....8,010.22  
 33 14 13 53-0121 EA 18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....10,194.71  
 33 14 13 53-0122 EA 18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....10,659.37  
 33 14 13 53-0123 EA 18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....10,787.12  
 33 14 13 53-0124 EA 18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....11,177.18  
 33 14 13 53-0125 EA 20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....9,519.78  
 33 14 13 53-0126 EA 20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....9,164.73  
 33 14 13 53-0127 EA 20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....9,341.23  
 33 14 13 53-0128 EA 20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....9,409.44  
 33 14 13 53-0129 EA 20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....9,753.91  
 33 14 13 53-0130 EA 20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....13,232.51  
 33 14 13 53-0131 EA 20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....13,487.36  
 33 14 13 53-0132 EA 24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....11,512.49  
 33 14 13 53-0133 EA 24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....11,670.83  
 33 14 13 53-0134 EA 24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....11,715.72  
 33 14 13 53-0135 EA 24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....16,278.80  
 33 14 13 53-0136 EA 24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....16,487.78  
 33 14 13 53-0137 EA 24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....16,532.79  
 33 14 13 53-0138 EA 24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....16,987.67  
 33 14 13 53-0139 EA 24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....17,202.53

**33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve** (33 14 13 53)

33 14 13 53-0141 EA 4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....1,123.29  
 33 14 13 53-0142 EA 6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....1,189.04  
 33 14 13 53-0143 EA 6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....1,302.36  
 33 14 13 53-0144 EA 8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....1,336.85  
 33 14 13 53-0145 EA 8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....1,392.64  
 33 14 13 53-0146 EA 8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....1,605.50  
 33 14 13 53-0147 EA 10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....1,457.32  
 33 14 13 53-0148 EA 10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....1,511.60





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0149 EA 10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,698.55	
33 14 13 53-0150 EA 10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,366.77	
33 14 13 53-0151 EA 12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,635.96	
33 14 13 53-0152 EA 12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,716.23	
33 14 13 53-0153 EA 12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,900.17	
33 14 13 53-0154 EA 12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,498.64	
33 14 13 53-0155 EA 12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,729.64	
33 14 13 53-0156 EA 14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,161.47	
33 14 13 53-0157 EA 14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,227.63	
33 14 13 53-0158 EA 14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,623.99	
33 14 13 53-0159 EA 14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,115.74	
33 14 13 53-0160 EA 14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,435.01	
33 14 13 53-0161 EA 16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,571.37	
33 14 13 53-0162 EA 16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,639.72	
33 14 13 53-0163 EA 16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,901.61	
33 14 13 53-0164 EA 16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,605.50	
33 14 13 53-0165 EA 16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,770.84	
33 14 13 53-0166 EA 18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,718.74	
33 14 13 53-0167 EA 18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,843.72	
33 14 13 53-0168 EA 18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,017.91	
33 14 13 53-0169 EA 18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,846.50	
33 14 13 53-0170 EA 18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	4,011.59	
33 14 13 53-0171 EA 20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,288.82	
33 14 13 53-0172 EA 20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,357.01	
33 14 13 53-0173 EA 20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,749.68	
33 14 13 53-0174 EA 20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	4,414.66	
33 14 13 53-0175 EA 20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	4,696.00	
33 14 13 53-0176 EA 24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,545.26	
33 14 13 53-0177 EA 24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,696.42	
33 14 13 53-0178 EA 24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,901.03	
33 14 13 53-0179 EA 24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	4,845.46	
33 14 13 53-0180 EA 24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	5,017.65	
<b>33 14 13 53-0181</b>	<b>Stainless Steel Flange, Stainless Steel Tapping Sleeve</b>	<b>(33 14 13 53)</b>
33 14 13 53-0182 EA 4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,304.34	
33 14 13 53-0183 EA 6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,417.71	
33 14 13 53-0184 EA 6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,501.62	
33 14 13 53-0185 EA 8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,528.13	
33 14 13 53-0186 EA 8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,625.00	
33 14 13 53-0187 EA 8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,917.22	
33 14 13 53-0188 EA 10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,753.45	
33 14 13 53-0189 EA 10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,861.02	
33 14 13 53-0190 EA 10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	2,122.80	
33 14 13 53-0191 EA 10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	2,881.33	
33 14 13 53-0192 EA 12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,999.50	
33 14 13 53-0193 EA 12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	2,146.65	
33 14 13 53-0194 EA 12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	2,492.93	
33 14 13 53-0195 EA 12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	2,944.53	
33 14 13 53-0196 EA 12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	3,289.45	
33 14 13 53-0197 EA 14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	2,281.25	
33 14 13 53-0198 EA 14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	2,462.09	
33 14 13 53-0199 EA 14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	2,852.19	
33 14 13 53-0200 EA 14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	3,304.23	
33 14 13 53-0201 EA 14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	3,542.63	
33 14 13 53-0202 EA 16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	2,788.95	
33 14 13 53-0203 EA 16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	3,036.70	
33 14 13 53-0204 EA 16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	3,225.13	
33 14 13 53-0205 EA 16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	3,711.28	
33 14 13 53-0206 EA 16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	4,040.61	
33 14 13 53-0207 EA 18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	3,069.93	
33 14 13 53-0208 EA 18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	3,440.93	
33 14 13 53-0209 EA 18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	3,637.67	
33 14 13 53-0210 EA 18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	4,064.68	
33 14 13 53-0211 EA 18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	4,630.11	
33 14 13 53-0212 EA 20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	3,309.56	
33 14 13 53-0213 EA 20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	3,679.59	
33 14 13 53-0214 EA 20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	3,839.16	
33 14 13 53-0215 EA 20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	4,635.05	
33 14 13 53-0216 EA 20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	5,077.41	
33 14 13 53-0217 EA 24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	3,928.27	
33 14 13 53-0218 EA 24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	3,979.69	
33 14 13 53-0219 EA 24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	4,171.33	
33 14 13 53-0220 EA 24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	5,121.62	
33 14 13 53-0221 EA 24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	5,628.15	
<b>33 14 13 53-0222</b>	<b>Ductile Iron Body, Flanged Coupling Adapter</b>	<b>(33 14 13 53)</b>
33 14 13 53-0223 EA 3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912) .....	323.21	56.96
33 14 13 53-0224 EA 4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912) .....	404.91	71.82
33 14 13 53-0225 EA 6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912) .....	531.80	99.07

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0226 EA 8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	690.78	116.41
33 14 13 53-0227 EA 10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	1,091.61	131.27
33 14 13 53-0228 EA 12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	1,219.23	148.61
<b>33 14 13 53-0229 Steel Body, Flanged Coupling Adapter (33 14 13 53)</b>		
33 14 13 53-0230 EA 3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	475.07	56.96
33 14 13 53-0231 EA 4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	561.17	71.82
33 14 13 53-0232 EA 6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	748.86	99.07
33 14 13 53-0233 EA 8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	916.69	116.41
33 14 13 53-0234 EA 10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,120.59	131.27
33 14 13 53-0235 EA 12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,306.38	148.61
33 14 13 53-0236 EA 14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,553.80	163.47
33 14 13 53-0237 EA 16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,842.26	178.33
33 14 13 53-0238 EA 18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	2,177.55	196.16
33 14 13 53-0239 EA 20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	2,575.36	215.77
<b>33 14 13 53-0240 Steel Body, Flanged-Lock Restrained Coupling Adapters (33 14 13 53)</b>		
33 14 13 53-0241 EA 4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	415.07	71.82
33 14 13 53-0242 EA 6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	556.87	99.07
33 14 13 53-0243 EA 8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	615.76	116.41
33 14 13 53-0244 EA 10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	904.05	131.27
33 14 13 53-0245 EA 12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,153.84	148.61
33 14 13 53-0246 EA 14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,294.57	163.47
33 14 13 53-0247 EA 16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,523.54	178.33
33 14 13 53-0248 EA 18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,710.27	196.16
33 14 13 53-0249 EA 20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	2,057.96	215.77
33 14 13 53-0250 EA 24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	2,481.99	237.38
33 14 13 53-0251 EA 30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	5,199.42	261.05
33 14 13 53-0252 EA 36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	7,025.42	287.21
<b>33 14 13 53-0253 Ductile Iron Body, Omni Coupling System (33 14 13 53)</b>		
33 14 13 53-0254 EA 2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	144.35	39.62
33 14 13 53-0255 EA 2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	178.29	47.06
33 14 13 53-0256 EA 3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	220.88	56.96
33 14 13 53-0257 EA 4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	277.35	71.82
33 14 13 53-0258 EA 6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	369.61	99.07
33 14 13 53-0259 EA 8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	449.56	116.41
33 14 13 53-0260 EA 10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	563.47	131.27
33 14 13 53-0261 EA 12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	659.57	148.61
33 14 13 53-0262 EA 14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	933.12	163.47
33 14 13 53-0263 EA 16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	1,167.33	178.33
<b>33 14 19 Valves and Hydrants for Water Utility Service (33 14)</b>		
Note: Flanged valves excludes bolt and gasket set. See CSI section 23 21 13 23-0669 for bolt and gasket sets.		
<b>33 14 19 00-0001 Water Utility Distribution Valves (33 14 19)</b>		
<b>33 14 19 00-0002 Angle Valves (33 14 19 00-0001)</b>		
Note: For connecting meters to water service.		
<b>33 14 19 00-0003 Threaded, Class 150, Bronze Angle Valve (33 14 19 00-0002)</b>		
Note: Nibco T-335Y		
33 14 19 00-0004 EA 1/2" Threaded, Class 150, Bronze Angle Valve.....	95.56	16.97
33 14 19 00-0005 EA 3/4" Threaded, Class 150, Bronze Angle Valve.....	128.86	22.79
33 14 19 00-0006 EA 1" Threaded, Class 150, Bronze Angle Valve.....	173.62	28.10
33 14 19 00-0007 EA 1-1/4" Threaded, Class 150, Bronze Angle Valve.....	223.56	35.30
33 14 19 00-0008 EA 1-1/2" Threaded, Class 150, Bronze Angle Valve.....	279.23	40.81
33 14 19 00-0009 EA 2" Threaded, Class 150, Bronze Angle Valve.....	416.75	47.71
33 14 19 00-0010 EA 2-1/2" Threaded, Class 150, Bronze Angle Valve.....	667.70	65.13
33 14 19 00-0011 EA 3" Threaded, Class 150, Bronze Angle Valve.....	1,013.94	75.18
<b>33 14 19 00-0012 Butterfly Valves (33 14 19 00-0001)</b>		
<b>33 14 19 00-0013 Lug Type Flanged, Cast Iron Disc, Butterfly Valves (33 14 19 00-0012)</b>		
Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin		
33 14 19 00-0014 EA 3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-HD8).....	1,795.59	180.24
33 14 19 00-0015 EA 3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-CW8).....	1,995.59	180.24
33 14 19 00-0016 EA 4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-HD8).....	1,937.72	278.97
33 14 19 00-0017 EA 4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-CW8).....	2,137.72	278.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0018 EA 6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	2,228.84	333.08
33 14 19 00-0019 EA 6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	2,428.84	333.08
33 14 19 00-0020 EA 8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	2,522.69	425.60
33 14 19 00-0021 EA 8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	2,721.69	425.60
33 14 19 00-0022 EA 10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	3,162.65	518.12
33 14 19 00-0023 EA 10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	4,492.26	518.12
33 14 19 00-0024 EA 12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	3,623.03	628.01
33 14 19 00-0025 EA 12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	3,823.03	628.01
33 14 19 00-0026 EA 14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12).....	4,896.25	913.00
33 14 19 00-0027 EA 14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12).....	5,419.25	913.00
33 14 19 00-0028 EA 16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16).....	5,696.37	1,004.30
33 14 19 00-0029 EA 16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20).....	6,338.37	1,004.30
33 14 19 00-0030 EA 18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24).....	7,126.31	1,113.85
33 14 19 00-0031 EA 18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24).....	7,806.31	1,113.85
33 14 19 00-0032 EA 20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24).....	8,164.21	1,255.37
33 14 19 00-0033 EA 20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24).....	8,843.21	1,255.37
<b>33 14 19 00-0034 Lug Type Flanged, Ductile Iron Disc, Butterfly Valves</b> <small>(33 14 19 00-0012)</small> Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin		
33 14 19 00-0035 EA 24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20).....	13,312.86	1,540.68
33 14 19 00-0036 EA 24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10).....	20,556.86	1,540.68
33 14 19 00-0037 EA 24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20).....	13,271.86	1,540.68
33 14 19 00-0038 EA 30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24).....	27,498.95	2,425.57
33 14 19 00-0039 EA 36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24).....	32,478.61	3,234.09
33 14 19 00-0040 EA 42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32).....	40,964.91	4,851.13
33 14 19 00-0041 EA 48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24).....	55,769.89	6,063.91
33 14 19 00-0042 EA 54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24).....	88,678.86	7,276.69
33 14 19 00-0043 EA 60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36).....	111,171.04	8,732.03
33 14 19 00-0044 EA 72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36).....	159,526.04	10,478.44
33 14 19 00-0045 LF 3/16" Link, 316 Stainless Steel Chain For Use With Dezurik Chainwheel .....	25.89	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0046 EA 316 Stainless Steel Closing Link For Use With Dezurik Chainwheel ..... Note: One required per valve.	11.33	
<b>33 14 19 00-0047 Check Valves</b> (33 14 19 00-0001)		
<b>33 14 19 00-0048 Flanged, Swing Type Gravity Operated Check Valves</b> (33 14 19 00-0047) Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0049 EA 2-1/2" Flanged, Swing Type Gravity Operated Check Valve.....	846.01	141.58
33 14 19 00-0050 EA 3" Flanged, Swing Type Gravity Operated Check Valve.....	876.23	165.99
33 14 19 00-0051 EA 4" Flanged, Swing Type Gravity Operated Check Valve.....	1,241.73	209.93
33 14 19 00-0052 EA 4" x 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,685.92	315.87
33 14 19 00-0053 EA 4" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,758.33	352.77
33 14 19 00-0054 EA 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,681.19	351.51
33 14 19 00-0055 EA 6" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	2,179.09	399.56
33 14 19 00-0056 EA 6" x 10" Flanged, Swing Type Gravity Operated Check Valve.....	2,282.75	449.15
33 14 19 00-0057 EA 8" Flanged, Swing Type Gravity Operated Check Valve.....	2,373.28	449.15
33 14 19 00-0058 EA 10" Flanged, Swing Type Gravity Operated Check Valve.....	3,940.71	546.79
33 14 19 00-0059 EA 12" Flanged, Swing Type Gravity Operated Check Valve.....	5,918.90	410.09
33 14 19 00-0060 EA 14" Flanged, Swing Type Gravity Operated Check Valve.....	8,352.85	913.00
33 14 19 00-0061 EA 16" Flanged, Swing Type Gravity Operated Check Valve.....	11,029.42	1,004.30
33 14 19 00-0062 EA 18" Flanged, Swing Type Gravity Operated Check Valve.....	15,868.76	1,113.85
33 14 19 00-0063 EA 20" Flanged, Swing Type Gravity Operated Check Valve.....	18,459.48	1,255.37
<b>33 14 19 00-0064 Threaded, Bronze, Swing Type Check Valves</b> (33 14 19 00-0047) Note: Class 125. Watts WCV-2, Nibco T-413.		
33 14 19 00-0065 EA 1/4" Threaded, Bronze, Swing Type Check Valve.....	47.47	17.07
33 14 19 00-0066 EA 3/8" Threaded, Bronze, Swing Type Check Valve.....	49.09	17.07
33 14 19 00-0067 EA 1/2" Threaded, Bronze, Swing Type Check Valve.....	46.34	17.07
33 14 19 00-0068 EA 3/4" Threaded, Bronze, Swing Type Check Valve.....	61.58	23.06
33 14 19 00-0069 EA 1" Threaded, Bronze, Swing Type Check Valve.....	71.41	27.89
33 14 19 00-0070 EA 1-1/4" Threaded, Bronze, Swing Type Check Valve.....	101.29	35.30
33 14 19 00-0071 EA 1-1/2" Threaded, Bronze, Swing Type Check Valve.....	123.37	40.81
33 14 19 00-0072 EA 2" Threaded, Bronze, Swing Type Check Valve.....	160.96	47.71
33 14 19 00-0073 EA 2-1/2" Threaded, Bronze, Swing Type Check Valve.....	236.83	65.13
<b>33 14 19 00-0074 Combination Air Release Valves</b> (33 14 19 00-0001)		
33 14 19 00-0075 EA 1" Combination Air Release Valve.....	457.27	20.50
33 14 19 00-0076 EA 2" Combination Air Release Valve.....	738.95	35.15
<b>33 14 19 00-0077 Corporation Stop And Curb Valve</b> (33 14 19 00-0001) Note: AWWA C800		
<b>33 14 19 00-0078 Ball Corporation Valves</b> (33 14 19 00-0077) Note: Mueller B-25000.		
33 14 19 00-0079 EA 3/4" Ball Corporation Valve (Mueller B-25000).....	77.55	20.50
33 14 19 00-0080 EA 1" Ball Corporation Valve (Mueller B-25000).....	97.40	25.38
33 14 19 00-0081 EA 1-1/2" Ball Corporation Valve (Mueller B-25000).....	173.97	37.11
33 14 19 00-0082 EA 2" Ball Corporation Valve (Mueller B-25000).....	261.41	43.94
<b>33 14 19 00-0083 Gate Valve, AWWA C500 And C509</b> (33 14 19 00-0001)		
<b>33 14 19 00-0084 Gate Valve, Flanged</b> (33 14 19 00-0083) Note: Mueller A-2380-6.		
33 14 19 00-0085 EA 2" Gate Valve, Flanged.....	539.88	130.15
33 14 19 00-0086 EA 2-1/2" Gate Valve, Flanged.....	627.87	141.58
33 14 19 00-0087 EA 3" Gate Valve, Flanged.....	742.18	165.99
33 14 19 00-0088 EA 4" Gate Valve, Flanged.....	1,013.16	207.97
33 14 19 00-0089 EA 6" Gate Valve, Flanged.....	1,239.30	351.51
33 14 19 00-0090 EA 8" Gate Valve, Flanged.....	1,805.51	449.15
33 14 19 00-0091 EA 10" Gate Valve, Flanged.....	2,665.99	546.79
33 14 19 00-0092 EA 12" Gate Valve, Flanged.....	3,213.79	410.09
33 14 19 00-0093 EA 14" Gate Valve, Flanged.....	6,857.78	913.00
33 14 19 00-0094 EA 16" Gate Valve, Flanged.....	8,894.34	1,004.30
33 14 19 00-0095 EA 18" Gate Valve, Flanged.....	13,895.98	1,113.85
33 14 19 00-0096 EA 20" Gate Valve, Flanged.....	16,586.36	1,255.37
<b>33 14 19 00-0097 Resilient Wedge Gate Valve, Flanged Watts 406-NRS-RW</b> (33 14 19 00-0083)		
33 14 19 00-0098 EA 2" Resilient Wedge Gate Valve, Flanged.....	518.55	130.15
33 14 19 00-0099 EA 2-1/2" Resilient Wedge Gate Valve, Flanged.....	602.38	141.58
33 14 19 00-0100 EA 3" Resilient Wedge Gate Valve, Flanged.....	711.93	165.99
33 14 19 00-0101 EA 4" Resilient Wedge Gate Valve, Flanged.....	979.35	207.97
33 14 19 00-0102 EA 6" Resilient Wedge Gate Valve, Flanged.....	1,194.10	351.51
33 14 19 00-0103 EA 8" Resilient Wedge Gate Valve, Flanged.....	1,734.90	449.15
33 14 19 00-0104 EA 10" Resilient Wedge Gate Valve, Flanged.....	2,553.78	546.79
33 14 19 00-0105 EA 12" Resilient Wedge Gate Valve, Flanged.....	3,078.31	410.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 14 19 00-0106 Gate Valve, Mechanical Joint</b> <small>(33 14 19 00-0083)</small>		
<small>Note: Mueller A-2380-20.</small>		
33 14 19 00-0107 EA 2" Gate Valve, Mechanical Joint .....	638.26	103.99
33 14 19 00-0108 EA 2-1/2" Gate Valve, Mechanical Joint .....	702.36	130.35
33 14 19 00-0109 EA 3" Gate Valve, Mechanical Joint .....	878.76	157.69
33 14 19 00-0110 EA 4" Gate Valve, Mechanical Joint .....	1,060.37	207.97
33 14 19 00-0111 EA 6" Gate Valve, Mechanical Joint .....	1,322.37	244.10
33 14 19 00-0112 EA 8" Gate Valve, Mechanical Joint .....	1,883.57	292.92
33 14 19 00-0113 EA 10" Gate Valve, Mechanical Joint .....	2,700.23	341.74
33 14 19 00-0114 EA 12" Gate Valve, Mechanical Joint .....	3,369.28	410.09
33 14 19 00-0115 EA 14" Gate Valve, Mechanical Joint .....	7,259.03	559.21
33 14 19 00-0116 EA 16" Gate Valve, Mechanical Joint .....	9,328.79	627.68
33 14 19 00-0117 EA 18" Gate Valve, Mechanical Joint .....	14,674.13	696.16
33 14 19 00-0118 EA 20" Gate Valve, Mechanical Joint .....	17,425.99	784.61
<b>33 14 19 00-0119 Resilient Wedge Gate Valve, Mechanical Joint</b> <small>(33 14 19 00-0083)</small>		
<small>Note: Mueller A-2360-20.</small>		
33 14 19 00-0120 EA 2" Resilient Wedge Gate Valve, Mechanical Joint .....	613.90	103.99
33 14 19 00-0121 EA 3" Resilient Wedge Gate Valve, Mechanical Joint .....	846.87	157.69
33 14 19 00-0122 EA 4" Resilient Wedge Gate Valve, Mechanical Joint .....	1,023.89	207.97
33 14 19 00-0123 EA 6" Resilient Wedge Gate Valve, Mechanical Joint .....	1,275.16	244.10
33 14 19 00-0124 EA 8" Resilient Wedge Gate Valve, Mechanical Joint .....	1,810.13	292.92
33 14 19 00-0125 EA 10" Resilient Wedge Gate Valve, Mechanical Joint .....	2,586.08	341.74
33 14 19 00-0126 EA 12" Resilient Wedge Gate Valve, Mechanical Joint .....	3,224.97	410.09
<b>33 14 19 00-0127 Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint</b> <small>(33 14 19 00-0083)</small>		
<small>Note: Mueller A-2361.</small>		
33 14 19 00-0128 EA 14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint .....	7,594.21	913.00
33 14 19 00-0129 EA 16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint .....	8,256.41	1,004.30
33 14 19 00-0130 EA 18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint .....	12,849.91	1,113.85
33 14 19 00-0131 EA 20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint .....	15,333.21	1,255.37
33 14 19 00-0132 EA 24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint .....	21,765.86	1,540.68
<b>33 14 19 00-0133 Gate Valve, Threaded, WW-V-51 Class A, Type 1</b> <small>(33 14 19 00-0083)</small>		
<small>Note: NIBCO T-113.</small>		
33 14 19 00-0134 EA 1/4" Gate Valve, Bronze, Threaded .....	55.61	17.07
33 14 19 00-0135 EA 3/8" Gate Valve, Bronze, Threaded .....	57.23	17.07
33 14 19 00-0136 EA 1/2" Gate Valve, Bronze, Threaded .....	56.61	17.07
33 14 19 00-0137 EA 3/4" Gate Valve, Bronze, Threaded .....	72.77	23.06
33 14 19 00-0138 EA 1" Gate Valve, Bronze, Threaded .....	89.79	27.89
33 14 19 00-0139 EA 1-1/4" Gate Valve, Bronze, Threaded .....	122.29	35.30
33 14 19 00-0140 EA 1-1/2" Gate Valve, Bronze, Threaded .....	141.93	40.81
33 14 19 00-0141 EA 2" Gate Valve, Bronze, Threaded .....	172.33	47.71
33 14 19 00-0142 EA 2-1/2" Gate Valve, Bronze, Threaded .....	334.68	65.13
33 14 19 00-0143 EA 3" Gate Valve, Bronze, Threaded .....	401.45	74.70
<b>33 14 19 00-0144 Globe Valve, AWWA</b> <small>(33 14 19 00-0001)</small>		
<b>33 14 19 00-0145 Globe Valve, Threaded, WW-V-51 Class B, Type 1</b> <small>(33 14 19 00-0144)</small>		
<small>Note: NIBCO T-235.</small>		
33 14 19 00-0146 EA 1/8" Globe Valve, Threaded .....	79.12	17.07
33 14 19 00-0147 EA 1/4" Globe Valve, Threaded .....	75.85	17.07
33 14 19 00-0148 EA 3/8" Globe Valve, Threaded .....	77.47	17.07
33 14 19 00-0149 EA 1/2" Globe Valve, Threaded .....	79.12	17.07
33 14 19 00-0150 EA 3/4" Globe Valve, Threaded .....	107.47	23.06
33 14 19 00-0151 EA 1" Globe Valve, Threaded .....	151.20	27.89
33 14 19 00-0152 EA 1-1/4" Globe Valve, Threaded .....	221.54	35.30
33 14 19 00-0153 EA 1-1/2" Globe Valve, Threaded .....	264.60	40.81
33 14 19 00-0154 EA 2" Globe Valve, Threaded .....	370.02	47.71
33 14 19 00-0155 EA 2-1/2" Globe Valve, Threaded .....	681.30	65.13
33 14 19 00-0156 EA 3" Globe Valve, Threaded .....	934.04	75.09
<b>33 14 19 00-0157 Tapping Valve, AWWA C500 And C509</b> <small>(33 14 19 00-0001)</small>		
<b>33 14 19 00-0158 Tapping Valve, AWWA C500 And C509</b> <small>(33 14 19 00-0157)</small>		
<small>Note: Flanged inlet X mechanical joint, Mueller H-667.</small>		
33 14 19 00-0159 EA 2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	743.22	130.15
33 14 19 00-0160 EA 3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	957.04	165.99
33 14 19 00-0161 EA 4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	1,220.70	207.97
33 14 19 00-0162 EA 6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	1,556.44	351.51
33 14 19 00-0163 EA 8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	2,212.25	449.15
33 14 19 00-0164 EA 10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	3,160.27	546.79
33 14 19 00-0165 EA 12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	4,605.60	410.09
33 14 19 00-0166 EA 14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	8,289.39	913.00
33 14 19 00-0167 EA 16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	10,410.30	1,004.30
33 14 19 00-0168 EA 18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	16,584.02	1,113.85

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 14 19 00-0169</b>			<b>Accessories For Valves</b> <small>(33 14 19)</small>		
33 14 19 00-0170	EA		1' Valve Extension Stem.....	107.51	
			<i>For Each Additional LF, Add</i> .....	7.87	
33 14 19 00-0171	EA		Up to 80" Long Indicator Post Telescoping Barrel Assembly.....	1,521.94	97.64
			Note: Excludes valve.		
33 14 19 00-0172	EA		>80" To 114" Long Indicator Post Telescoping Barrel Assembly.....	1,726.72	107.41
			Note: Excludes valve.		
33 14 19 00-0173	EA		Adjust Water Valve Box To Grade.....	97.64	
<b>33 14 19 00-0174</b>			<b>Fire Hydrants</b> <small>(33 14 19)</small>		
			Note: Breakaway type.		
<b>33 14 19 00-0175</b>			<b>Three Way, Standard (Traditional) Model Fire Hydrant</b> <small>(33 14 19 00-0174)</small>		
			Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0176	EA		1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,539.97	259.06
33 14 19 00-0177	EA		2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,606.48	259.06
33 14 19 00-0178	EA		2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,673.16	259.06
33 14 19 00-0179	EA		3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,758.02	277.56
33 14 19 00-0180	EA		3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,824.60	277.56
33 14 19 00-0181	EA		4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,914.37	300.69
33 14 19 00-0182	EA		4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,980.84	300.69
33 14 19 00-0183	EA		5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,070.63	323.82
33 14 19 00-0184	EA		5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,137.20	323.82
33 14 19 00-0185	EA		6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,226.80	346.95
33 14 19 00-0186	EA		6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,316.48	370.08
33 14 19 00-0187	EA		7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,429.19	416.34
33 14 19 00-0188	EA		1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,600.67	259.06
33 14 19 00-0189	EA		2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,686.98	259.06
33 14 19 00-0190	EA		2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,773.08	259.06
33 14 19 00-0191	EA		3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,877.68	277.56
33 14 19 00-0192	EA		3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,963.78	277.56
33 14 19 00-0193	EA		4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,073.33	300.69
33 14 19 00-0194	EA		4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,159.32	300.69
33 14 19 00-0195	EA		5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,268.64	323.82
33 14 19 00-0196	EA		5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,354.72	323.82
33 14 19 00-0197	EA		6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,463.80	346.95
33 14 19 00-0198	EA		6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,573.24	370.08
33 14 19 00-0199	EA		7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,705.45	416.34
<b>33 14 19 00-0200</b>			<b>Two Way, Standard (Traditional) Model Fire Hydrant</b> <small>(33 14 19 00-0174)</small>		
			Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0201	EA		1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,174.89	259.06
33 14 19 00-0202	EA		2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,241.17	259.06
33 14 19 00-0203	EA		2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,307.83	259.06
33 14 19 00-0204	EA		3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,392.97	277.56
33 14 19 00-0205	EA		3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,459.33	277.56
33 14 19 00-0206	EA		4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,548.95	300.69
33 14 19 00-0207	EA		4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,615.52	300.69
33 14 19 00-0208	EA		5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,705.37	323.82
33 14 19 00-0209	EA		5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,771.80	323.82
33 14 19 00-0210	EA		6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,861.76	346.95
33 14 19 00-0211	EA		6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,951.02	370.08
33 14 19 00-0212	EA		7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,063.87	416.34
33 14 19 00-0213	EA		1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,268.65	259.06
33 14 19 00-0214	EA		2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,354.77	259.06
33 14 19 00-0215	EA		2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,440.76	259.06
33 14 19 00-0216	EA		3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,545.58	277.56
33 14 19 00-0217	EA		3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,631.46	277.56
33 14 19 00-0218	EA		4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,740.86	300.69
33 14 19 00-0219	EA		4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,826.79	300.69
33 14 19 00-0220	EA		5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,936.39	323.82
33 14 19 00-0221	EA		5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,022.27	323.82
33 14 19 00-0222	EA		6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,131.65	346.95
33 14 19 00-0223	EA		6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,240.67	370.08
33 14 19 00-0224	EA		7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,373.35	416.34
<b>33 14 19 00-0225</b>			<b>Three Way, Modern Model Fire Hydrant</b> <small>(33 14 19 00-0174)</small>		
			Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0226	EA		1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,695.19	259.06
33 14 19 00-0227	EA		2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,781.18	259.06
33 14 19 00-0228	EA		2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,867.43	259.06
33 14 19 00-0229	EA		3' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,972.08	277.56
33 14 19 00-0230	EA		3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,058.13	277.56
33 14 19 00-0231	EA		4' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,167.36	300.69
33 14 19 00-0232	EA		4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,253.53	300.69
33 14 19 00-0233	EA		5' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,362.78	323.82
33 14 19 00-0234	EA		5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,448.86	323.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0235 EA 6' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,558.09	323.82
33 14 19 00-0236 EA 6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,667.58	370.08
33 14 19 00-0237 EA 7' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,798.89	370.08
<b>33 14 19 00-0238 Two Way, Modern Model Fire Hydrant</b> <small>(33 14 19 00-0174)</small>		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0239 EA 1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,616.93	259.06
33 14 19 00-0240 EA 2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,682.37	259.06
33 14 19 00-0241 EA 2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,748.54	259.06
33 14 19 00-0242 EA 3' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,831.71	277.56
33 14 19 00-0243 EA 3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,897.13	277.56
33 14 19 00-0244 EA 4' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,985.68	300.69
33 14 19 00-0245 EA 4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,051.08	300.69
33 14 19 00-0246 EA 5' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,139.71	323.82
33 14 19 00-0247 EA 5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,204.94	323.82
33 14 19 00-0248 EA 6' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,293.51	346.95
33 14 19 00-0249 EA 6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,382.15	370.08
33 14 19 00-0250 EA 7' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,493.02	416.34
<b>33 14 19 00-0251 Fire Hydrant Extension Kits</b> <small>(33 14 19 00-0174)</small>		
33 14 19 00-0252 EA 6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	539.72	23.13
33 14 19 00-0253 EA 12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	640.40	28.91
33 14 19 00-0254 EA 18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	696.55	34.70
33 14 19 00-0255 EA 24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	789.66	42.79
33 14 19 00-0256 EA 30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,204.83	44.53
33 14 19 00-0257 EA 36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,287.62	46.26
33 14 19 00-0258 EA 42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,306.21	48.57
33 14 19 00-0259 EA 48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,379.18	52.04
33 14 19 00-0260 EA 54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,517.38	62.45
33 14 19 00-0261 EA 60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,595.55	75.17
33 14 19 00-0262 EA 6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	600.58	25.91
33 14 19 00-0263 EA 12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	710.08	31.46
33 14 19 00-0264 EA 18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	813.87	37.93
33 14 19 00-0265 EA 24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	907.05	47.19
33 14 19 00-0266 EA 30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,251.58	49.04
33 14 19 00-0267 EA 36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,335.38	50.88
33 14 19 00-0268 EA 42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,392.28	53.67
33 14 19 00-0269 EA 48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,631.67	57.36
33 14 19 00-0270 EA 54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,784.62	68.46
33 14 19 00-0271 EA 60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,868.65	82.35
<b>33 14 19 00-0272 Removal And Reinstallation Of Standard Fire Hydrant</b> <small>(33 14 19 00-0174)</small>		
Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0273 EA Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	740.17	
33 14 19 00-0274 EA >5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	1,079.41	
33 14 19 00-0275 EA Reset Fire Hydrant Upper Barrel.....	961.79	
Note: Includes Safety Repair Kit		
<b>33 14 19 00-0276 Yard Hydrants</b> <small>(33 14 19)</small>		
Note: With 3/4" hose thread outlet.		
33 14 19 00-0277 EA 2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	347.43	31.81
33 14 19 00-0278 EA 4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	373.94	31.81
33 14 19 00-0279 EA 6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	400.45	31.81
33 14 19 00-0280 EA 2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	304.39	40.29
33 14 19 00-0281 EA 4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	319.04	40.29
33 14 19 00-0282 EA 6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	333.69	40.29
<b>33 14 19 00-0283 Sanitary Yard Hydrants</b> <small>(33 14 19)</small>		
Note: With 3/4" hose thread outlet.		
33 14 19 00-0284 EA 2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,597.72	66.27
33 14 19 00-0285 EA 4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,680.56	66.27
33 14 19 00-0286 EA 6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,763.40	66.27
<b>33 14 19 00-0287 Flushing Hydrants</b> <small>(33 14 19)</small>		
33 14 19 00-0288 EA 2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth.....	796.81	40.87
<b>33 14 23 Enclosures for Water Utility Piping and Valves</b> <small>(33 14)</small>		
See CSI section 22 11 19 00-0464 for Enclosures.		
33 14 23 00-0001 <b>Roadway Utility Box</b> <small>(33 14 23)</small>		
33 14 23 00-0002 <b>Utility Box</b> <small>(33 14 23 00-0001)</small>		
Note: Christy Concrete Products.		

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<b>33 14 23 00-0003</b>	<b>B3 Utility Box, 9-3/8" x 15-1/2"</b> (33 14 23 00-0002)		
33 14 23 00-0004	EA 9-3/8" x 15-1/2" Precast Concrete Utility Box.....	108.92	48.39
33 14 23 00-0005	EA Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box.....	111.07	5.38
33 14 23 00-0006	EA Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box.....	46.04	5.38
33 14 23 00-0007	EA Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box.....	243.29	5.38
33 14 23 00-0008	EA 12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box.....	65.09	10.75
33 14 23 00-0009	EA 3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box.....	93.82	10.75
<b>33 14 23 00-0010</b>	<b>B9 Utility Box, 10-1/4" x 17-1/4"</b> (33 14 23 00-0002)		
33 14 23 00-0011	EA 10-1/4" x 17-1/4" Precast Concrete Utility Box.....	131.96	64.53
33 14 23 00-0012	EA Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box.....	130.12	6.45
33 14 23 00-0013	EA Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box.....	51.08	6.45
33 14 23 00-0014	EA Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box.....	255.25	5.38
33 14 23 00-0015	EA 13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box.....	72.99	10.75
33 14 23 00-0016	EA 5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box.....	97.64	16.13
33 14 23 00-0017	EA 12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box.....	115.07	29.57
<b>33 14 23 00-0018</b>	<b>B12 Utility Box, 12" x 20"</b> (33 14 23 00-0002)		
33 14 23 00-0019	EA 12" x 20" Precast Concrete Utility Box.....	145.09	69.90
33 14 23 00-0020	EA Cast Iron Lid For 12" x 20" Utility Box.....	234.49	8.07
33 14 23 00-0021	EA Reinforced Concrete Lid For 12" x 20" Utility Box.....	68.38	10.75
33 14 23 00-0022	EA Steel Checkered Plate Cover For 12" x 20" Utility Box.....	343.11	10.75
33 14 23 00-0023	EA 12" High Reinforced Concrete Extension For 12" x 20" Utility Box.....	150.09	37.64
<b>33 14 23 00-0024</b>	<b>B16 Utility Box, 12" x 22-1/4"</b> (33 14 23 00-0002)		
33 14 23 00-0025	EA 12" x 22-1/4" Precast Concrete Utility Box.....	166.97	81.73
33 14 23 00-0026	EA Cast Iron Lid For 12" x 22-1/4" Utility Box.....	264.87	10.75
33 14 23 00-0027	EA Reinforced Concrete Lid For 12" x 22-1/4" Utility Box.....	84.67	10.75
33 14 23 00-0028	EA Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box.....	345.05	10.75
33 14 23 00-0029	EA 16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box.....	118.68	18.29
33 14 23 00-0030	EA 12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box.....	152.79	37.64
<b>33 14 23 00-0031</b>	<b>B30 Utility Box, 13-1/4" x 24"</b> (33 14 23 00-0002)		
33 14 23 00-0032	EA 13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX).....	201.20	96.79
33 14 23 00-0033	EA Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D).....	113.86	17.21
33 14 23 00-0034	EA Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G).....	426.52	13.98
33 14 23 00-0035	EA 16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL).....	118.68	18.29
33 14 23 00-0036	EA 5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA).....	181.69	30.12
33 14 23 00-0037	EA 6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6).....	142.09	20.43
33 14 23 00-0038	EA 12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12).....	198.01	48.39
<b>33 14 23 00-0039</b>	<b>B36 Utility Box, 17-1/4" x 30"</b> (33 14 23 00-0002)		
33 14 23 00-0040	EA 17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX).....	263.07	122.60
33 14 23 00-0041	EA Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D).....	185.44	29.57
33 14 23 00-0042	EA Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D).....	534.48	20.43
33 14 23 00-0043	EA 20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL).....	166.31	38.72
33 14 23 00-0044	EA 6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA).....	282.90	43.01
33 14 23 00-0045	EA 12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12).....	264.52	62.38
<b>33 14 23 00-0046</b>	<b>B40 Utility Box, 24-1/2" x 36"</b> (33 14 23 00-0002)		
33 14 23 00-0047	EA 24-1/2" x 36" Precast Concrete Utility Box.....	546.37	189.28
33 14 23 00-0048	EA Reinforced Concrete Lid For 24-1/2" x 36" Utility Box.....	508.09	70.98
33 14 23 00-0049	EA Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box.....	759.03	31.18
33 14 23 00-0050	EA 30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box.....	414.87	66.68
33 14 23 00-0051	EA 10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box.....	440.23	69.90
<b>33 14 23 00-0052</b>	<b>B48 Utility Box, 30-1/4" x 48-1/4"</b> (33 14 23 00-0002)		
33 14 23 00-0053	EA 30-1/4" x 48-1/4" Precast Concrete Utility Box.....	689.58	215.08
33 14 23 00-0054	EA 1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box.....	699.10	117.22
33 14 23 00-0055	EA 2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box.....	883.46	117.22
33 14 23 00-0056	EA 2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box.....	1,201.36	53.78
33 14 23 00-0057	EA 36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box.....	599.79	145.18
33 14 23 00-0058	EA 10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box.....	543.36	97.86
<b>33 14 23 00-0059</b>	<b>Roadway Or Curb Valve Boxes</b> (33 14 23)		
<b>33 14 23 00-0060</b>	<b>Round Head, Cast Iron Service, Roadway Or Valve Boxes</b> (33 14 23 00-0059)		
33 14 23 00-0061	EA 36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	286.47	12.89
	Note: Includes cover, top section and bottom section.		
33 14 23 00-0062	EA 36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	335.83	12.89
	Note: Includes cover, top section and bottom section.		





<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0063 EA 42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	338.11	12.89
Note: Includes cover, top section and bottom section.		
33 14 23 00-0064 EA 9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box .....	82.38	6.44
33 14 23 00-0065 EA 16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box .....	95.45	6.44
33 14 23 00-0066 EA 24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box .....	115.11	6.44
33 14 23 00-0067 EA 36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box.....	436.81	16.11
Note: Includes cover, top section and bottom section.		
33 14 23 00-0068 EA 45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box .....	764.33	22.55
Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0069 EA 45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box .....	856.41	22.55
Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0070 EA 24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	455.07	16.11
Note: Includes cover, top section and bottom section.		
33 14 23 00-0071 EA 36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	477.07	16.11
Note: Includes cover, top section and bottom section.		
33 14 23 00-0072 EA 24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	460.27	16.11
Note: Includes cover, top section and bottom section.		
33 14 23 00-0073 EA 12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box .....	165.94	6.44
33 14 23 00-0074 EA 18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	269.57	26.51
33 14 23 00-0075 EA 22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	279.57	27.57
33 14 23 00-0076 EA 30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	311.51	28.62
33 14 23 00-0077 EA 36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box .....	438.11	30.22
33 14 23 00-0078 EA 48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	531.38	31.81
33 14 23 00-0079 EA 18" Cast Iron Service Box Extension Section .....	126.54	
<b>33 14 23 00-0080 Plastic Roadway Grade Water Meter Box And Cover (33 14 23 00-0059)</b>		
33 14 23 00-0081 EA 12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover .....	263.75	37.11
33 14 23 00-0082 EA 9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover .....	198.19	26.51
33 14 23 00-0083 EA Cast Iron Lid For Plastic Meter Box .....	58.75	
<b>33 14 23 00-0084 Traffic Valve Box And Lid (33 14 23 00-0059)</b>		
33 14 23 00-0085 EA 10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5).....	200.51	
33 14 23 00-0086 EA 14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12).....	660.12	
<b>33 16 Water Utility Storage Tanks (33 10)</b>		
<b>33 16 23 Ground-Level Steel Water Storage Tanks (33 16)</b>		
See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.		
<b>33 19 Water Utility Metering Equipment (33 10)</b>		
<b>33 19 13 Positive Displacement Water Meters (33 19)</b>		
<b>33 19 13 23 Nutating Disc Water Meters (33 19 13)</b>		
<b>33 19 13 23-0001 Bronze Disk Type Water Service Meters (33 19 13 23)</b>		
33 19 13 23-0002 EA 5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	302.28	55.13
33 19 13 23-0003 EA 3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	380.37	65.73
33 19 13 23-0004 EA 1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	512.23	75.27
33 19 13 23-0005 EA 1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	1,000.33	112.38
33 19 13 23-0006 EA 2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	1,355.99	146.31
<b>33 19 13 23-0007 Magnetic Driven, Positive Displacement Type Water Service Meters (33 19 13 23)</b>		
33 19 13 23-0008 EA 5/8" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i).....	535.98	55.13
For Owner Furnished Material, Deduct	-480.18	
33 19 13 23-0009 EA 3/4" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i).....	610.97	65.73
For Owner Furnished Material, Deduct	-544.70	
33 19 13 23-0010 EA 1" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i).....	911.52	75.27
For Owner Furnished Material, Deduct	-835.79	
33 19 13 23-0011 EA 1-1/2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i).....	1,543.83	112.38
For Owner Furnished Material, Deduct	-1,431.04	
33 19 13 23-0012 EA 2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i).....	1,910.70	146.31
For Owner Furnished Material, Deduct	-1,763.45	
33 19 13 23-0013 EA Electronic Transmitter .....	435.71	26.51
Note: For use with transmitting meter valve.		
For Owner Furnished Material, Deduct	-409.20	
<b>33 19 16 Velocity-Type Water Meters (33 19)</b>		
<b>33 19 16 23 Turbine Water Meters (33 19 16)</b>		
<b>33 19 16 23-0001 Flanged Turbine Water Service Meter (33 19 16 23)</b>		
<b>33 19 16 23-0002 Vertical Turbine Meters (33 19 16 23-0001)</b>		
33 19 16 23-0003 EA 1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged .....	614.85	102.52
33 19 16 23-0004 EA 2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged.....	856.02	130.15
33 19 16 23-0005 EA 3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged.....	1,642.05	165.99
33 19 16 23-0006 EA 4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged.....	2,461.95	259.73

**33 Utilities****33 10 Water Utilities****33 19 Water Utility Metering Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 16 23-0007 EA 6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged.....	4,508.33	351.51
<b>33 19 16 23-0008 Horizontal Turbine Meters</b> (33 19 16 23-0001)		
33 19 16 23-0009 EA 1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged .....	939.10	102.52
33 19 16 23-0010 EA 2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged.....	1,318.92	130.15
33 19 16 23-0011 EA 3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged.....	1,827.64	165.99
33 19 16 23-0012 EA 4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged.....	2,707.27	259.73
33 19 16 23-0013 EA 6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged.....	5,402.14	351.51
33 19 16 23-0014 EA 8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged.....	7,197.69	449.15
33 19 16 23-0015 EA 10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged.....	9,972.30	546.79
33 19 16 23-0016 EA 12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged.....	12,238.58	862.17
<b>33 19 19 Compound Water Meters</b> (33 19)		
<b>33 19 19 00-0001 Flanged Compound Type Water Service Meter</b> (33 19 19)		
33 19 19 00-0002 EA 2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	2,430.32	130.15
33 19 19 00-0003 EA 3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	3,045.70	165.99
33 19 19 00-0004 EA 4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	5,019.66	259.73
33 19 19 00-0005 EA 6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	7,010.57	351.51
33 19 19 00-0006 EA 8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	14,128.46	449.15
33 19 19 00-0007 EA 10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	23,978.89	546.79
<b>33 19 23 Magnetic Water Meters</b> (33 19)		
<b>33 19 23 00-0001 Flanged Electromagnetic Flow (EMF) Water Meter</b> (33 19 23)		
33 19 23 00-0002 EA 2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG) .....	8,080.78	130.15
33 19 23 00-0003 EA 3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG) .....	11,382.49	165.99
33 19 23 00-0004 EA 4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG) .....	13,057.57	259.73
<b>33 19 26 Ultrasonic Water Meters</b> (33 19)		
<b>33 19 26 00-0001 Ultrasonic Water Service Meters (Mastermeter Octive)</b> (33 19 26)		
33 19 26 00-0002 EA 3" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive).....	4,065.50	165.99
33 19 26 00-0003 EA 4" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive).....	4,676.36	259.73
33 19 26 00-0004 EA 6" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive).....	6,885.57	351.51
33 19 26 00-0005 EA 8" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive).....	9,926.38	449.15
<b>33 30 Sanitary Sewerage Utilities</b> (33)		
<b>33 31 Sanitary Sewerage Piping</b> (33 30)		
<b>33 31 11 Public Sanitary Sewerage Gravity Piping</b> (33 31)		
Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
<b>33 31 11 00-0001 Plastic Sewer And Drain Piping</b> (33 31 11)		
<b>33 31 11 00-0002 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe</b> (33 31 11 00-0001)		
33 31 11 00-0003 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	9.30	3.85
33 31 11 00-0004 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	11.26	4.54
33 31 11 00-0005 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	15.49	5.50
33 31 11 00-0006 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	19.28	6.42
33 31 11 00-0007 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	26.17	7.47
33 31 11 00-0008 LF 8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	34.87	8.68
33 31 11 00-0009 LF 10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	47.18	8.99
33 31 11 00-0010 LF 12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	61.56	9.31
<b>33 31 11 00-0011 Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe</b> (33 31 11 00-0001)		
Note: D-2729 PVC pipe.		
33 31 11 00-0012 LF 3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	12.07	5.50
33 31 11 00-0013 LF 4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	14.16	6.42
33 31 11 00-0014 LF 6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	17.52	7.47
<b>33 31 11 00-0015 Polyvinyl Chloride (PVC) Sewer And Drain Fittings</b> (33 31 11 00-0001)		
<b>33 31 11 00-0016 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain</b> (33 31 11 00-0015)		
33 31 11 00-0017 EA 1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	24.44	12.54
33 31 11 00-0018 EA 2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	31.43	16.21
33 31 11 00-0019 EA 3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	54.93	21.78
33 31 11 00-0020 EA 4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	84.84	25.17
33 31 11 00-0021 EA 6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	335.91	32.72
33 31 11 00-0022 EA 8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	557.26	44.03
33 31 11 00-0023 EA 10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	735.69	58.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 31 11 00-0024</b> <b>1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>		
33 31 11 00-0025      EA    1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	25.74	12.54
33 31 11 00-0026      EA    2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	31.32	16.21
33 31 11 00-0027      EA    3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	52.98	21.78
33 31 11 00-0028      EA    4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	75.31	25.17
33 31 11 00-0029      EA    6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	311.64	32.72
33 31 11 00-0030      EA    8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	500.85	44.03
33 31 11 00-0031      EA    10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	569.75	58.63
33 31 11 00-0032      EA    12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	846.53	78.09
<b>33 31 11 00-0033</b> <b>Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>		
33 31 11 00-0034      EA    1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	40.02	12.35
33 31 11 00-0044      EA    2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	40.53	16.21
33 31 11 00-0036      EA    3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	79.07	22.25
33 31 11 00-0037      EA    4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	130.71	27.15
33 31 11 00-0038      EA    6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	250.95	31.40
33 31 11 00-0039      EA    8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	436.10	35.82
33 31 11 00-0040      EA    10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	708.44	41.76
33 31 11 00-0041      EA    12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	1,067.76	48.68
<b>33 31 11 00-0042</b> <b>1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>		
33 31 11 00-0043      EA    1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	28.52	12.54
33 31 11 00-0044      EA    2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	34.14	16.21
33 31 11 00-0045      EA    3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	61.09	21.78
33 31 11 00-0046      EA    4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	90.35	25.17
33 31 11 00-0047      EA    6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	416.65	32.72
33 31 11 00-0048      EA    8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	674.79	44.03
33 31 11 00-0049      EA    10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	762.44	58.63
33 31 11 00-0050      EA    12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	782.30	78.09
<b>33 31 11 00-0051</b> <b>Reducers, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>		
33 31 11 00-0052      EA    2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	32.77	14.31
33 31 11 00-0053      EA    3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	61.61	17.08
33 31 11 00-0054      EA    3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	58.40	18.84
33 31 11 00-0055      EA    4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	90.51	20.59
33 31 11 00-0056      EA    4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	97.37	23.36
33 31 11 00-0057      EA    6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	296.19	28.91
33 31 11 00-0058      EA    8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	628.23	38.34
33 31 11 00-0059      EA    10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	159.56	41.86
33 31 11 00-0060      EA    10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	219.42	45.66
33 31 11 00-0061      EA    10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	206.43	51.28
33 31 11 00-0062      EA    12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	654.01	55.42
33 31 11 00-0063      EA    12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	690.94	61.04
33 31 11 00-0064      EA    12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	731.91	68.36
<b>33 31 11 00-0065</b> <b>Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>		
33 31 11 00-0066      EA    1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	38.47	18.95
33 31 11 00-0067      EA    2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	51.11	24.51
33 31 11 00-0068      EA    3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	86.89	32.34
33 31 11 00-0069      EA    4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	133.34	40.16
33 31 11 00-0070      EA    6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	491.39	44.03
33 31 11 00-0071      EA    8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	637.92	58.63
<b>33 31 11 00-0072</b> <b>Wyes, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>		
33 31 11 00-0073      EA    1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	48.54	18.95
33 31 11 00-0074      EA    2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	56.96	24.51
33 31 11 00-0075      EA    3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	94.37	32.34
33 31 11 00-0076      EA    4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	145.58	40.16
33 31 11 00-0077      EA    6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	445.45	44.03
33 31 11 00-0078      EA    8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	550.66	58.63
33 31 11 00-0079      EA    10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	724.42	78.24
33 31 11 00-0080      EA    12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	1,142.68	104.42
<b>33 31 11 00-0081</b> <b>Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>		
33 31 11 00-0082      EA    2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	64.36	18.95
33 31 11 00-0083      EA    2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	72.35	24.51
33 31 11 00-0084      EA    3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	83.97	32.34
33 31 11 00-0085      EA    4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	128.78	40.16
33 31 11 00-0086      EA    4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	140.27	40.16
<b>33 31 11 00-0087</b> <b>Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>		
33 31 11 00-0088      EA    1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	79.61	24.51

**33 Utilities****33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0089 EA 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	103.69	32.34
33 31 11 00-0090 EA 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	207.91	43.65
33 31 11 00-0091 EA 4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	368.07	52.79
33 31 11 00-0092 EA 2" x 2" x 1-1/2" x 1-1/2 Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	98.92	32.34
33 31 11 00-0093 EA 3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	171.50	43.65
33 31 11 00-0094 EA 4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	307.93	52.79
<b>33 31 11 00-0095 Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>		
33 31 11 00-0096 EA 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	61.11	18.95
33 31 11 00-0097 EA 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	76.57	24.51
33 31 11 00-0098 EA 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	153.31	32.34
33 31 11 00-0099 EA 4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	277.76	40.16
33 31 11 00-0100 EA 2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	119.26	24.51
33 31 11 00-0101 EA 3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	191.98	32.34
33 31 11 00-0102 EA 3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	138.19	32.34
33 31 11 00-0103 EA 4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	259.64	40.16
33 31 11 00-0104 EA 4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	276.22	40.16
<b>33 31 11 00-0105 Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>		
33 31 11 00-0106 EA 1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	89.36	24.51
33 31 11 00-0107 EA 2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	104.77	32.34
33 31 11 00-0108 EA 3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	163.16	43.65
33 31 11 00-0109 EA 4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	594.08	52.79
33 31 11 00-0110 EA 6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	1,956.93	58.45
<b>33 31 11 00-0111 Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>		
33 31 11 00-0112 EA 4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain .....	469.80	100.73
33 31 11 00-0113 EA 6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain .....	1,120.95	129.95
33 31 11 00-0114 EA 8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain .....	1,427.73	183.12
33 31 11 00-0115 EA 10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain .....	1,971.16	294.57
<b>33 31 11 00-0116 Couplings, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>		
33 31 11 00-0117 EA 1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	23.77	12.54
33 31 11 00-0118 EA 2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	29.66	16.12
33 31 11 00-0119 EA 3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	46.55	21.59
33 31 11 00-0120 EA 4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	60.92	25.17
33 31 11 00-0121 EA 6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	177.20	32.72
33 31 11 00-0122 EA 8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	436.00	44.03
33 31 11 00-0123 EA 10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	661.37	58.63
33 31 11 00-0124 EA 12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	1,093.99	78.09
<b>33 31 11 00-0125 Adapters, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>		
33 31 11 00-0126 EA 4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting .....	119.12	68.55
33 31 11 00-0127 EA 2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting .....	83.68	52.14
33 31 11 00-0128 EA 2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting .....	86.06	52.14
33 31 11 00-0129 EA 3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting .....	92.39	52.14
33 31 11 00-0130 EA 4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting .....	120.86	68.55
33 31 11 00-0131 EA 4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting .....	115.80	68.55
33 31 11 00-0132 EA 4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting .....	107.48	68.55
33 31 11 00-0133 EA 4" Drain Grate, Drain And Sewer Fitting .....	59.03	35.25
<b>33 31 11 00-0134 Caps, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>		
33 31 11 00-0135 EA 3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting .....	34.74	13.48
33 31 11 00-0136 EA 4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting .....	58.04	16.78
33 31 11 00-0137 EA 6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting .....	111.17	21.68
<b>33 31 11 00-0138 Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>		
33 31 11 00-0139 EA 1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	21.70	12.54
33 31 11 00-0140 EA 2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	28.26	16.21
33 31 11 00-0141 EA 3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	42.12	21.78
33 31 11 00-0142 EA 4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	55.79	25.17
33 31 11 00-0143 EA 6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	96.83	32.72
33 31 11 00-0144 EA 8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	373.29	44.03
<b>33 31 11 00-0145 Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 31 11 00-0001)</small>		
Note: ASTM 3034.		
33 31 11 00-0146 LF 4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	16.79	6.42
33 31 11 00-0147 LF 6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	22.45	7.47
33 31 11 00-0148 LF 8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	30.14	8.68



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 31 11 00-0149	LF		10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	37.14	8.99
	33 31 11 00-0150	LF		12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	45.59	9.31
	33 31 11 00-0151	LF		15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	59.72	9.64
	33 31 11 00-0152	LF		18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	75.91	10.00
	33 31 11 00-0153	LF		21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	98.82	10.84
	33 31 11 00-0154	LF		24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	120.00	11.70
	33 31 11 00-0155	LF		27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	149.31	13.73
	<b>33 31 11 00-0156</b>			<b>Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe</b> (33 31 11 00-0001) Note: ASTM 3034.		
	33 31 11 00-0157	LF		4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	15.31	6.42
	33 31 11 00-0158	LF		6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	19.87	7.47
	33 31 11 00-0159	LF		8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	25.98	8.68
	<b>33 31 11 00-0160</b>			<b>Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings</b> (33 31 11 00-0001) Note: ASTM 3034.		
	<b>33 31 11 00-0161</b>			<b>1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> (33 31 11 00-0160)		
	33 31 11 00-0162	EA		4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	80.99	23.06
	33 31 11 00-0163	EA		6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	122.96	26.82
	33 31 11 00-0164	EA		8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	267.41	30.38
	33 31 11 00-0165	EA		10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	787.67	35.75
	33 31 11 00-0166	EA		12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,018.09	45.58
	<b>33 31 11 00-0167</b>			<b>1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> (33 31 11 00-0160)		
	33 31 11 00-0168	EA		4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	72.24	23.06
	33 31 11 00-0169	EA		6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	113.31	26.82
	33 31 11 00-0170	EA		8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	243.02	30.38
	33 31 11 00-0171	EA		10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	558.09	35.75
	33 31 11 00-0172	EA		12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	799.80	45.58
	33 31 11 00-0173	EA		15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,728.07	64.35
	33 31 11 00-0174	EA		18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	2,746.16	91.16
	33 31 11 00-0175	EA		21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	4,594.65	120.65
	33 31 11 00-0176	EA		24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	6,266.35	160.86
	<b>33 31 11 00-0177</b>			<b>Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> (33 31 11 00-0160)		
	33 31 11 00-0178	EA		4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	122.71	34.59
	33 31 11 00-0179	EA		6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	204.74	38.34
	33 31 11 00-0180	EA		6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	231.26	40.21
	33 31 11 00-0181	EA		8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	256.25	42.09
	33 31 11 00-0182	EA		8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	295.20	43.97
	33 31 11 00-0183	EA		8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	581.37	45.85
	33 31 11 00-0184	EA		10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	749.52	46.92
	33 31 11 00-0185	EA		10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	851.19	49.16
	33 31 11 00-0186	EA		10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,265.85	51.03
	33 31 11 00-0187	EA		10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,655.23	53.62
	33 31 11 00-0188	EA		12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	922.50	57.11
	33 31 11 00-0189	EA		12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	980.01	58.99
	33 31 11 00-0190	EA		12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,408.09	60.87
	33 31 11 00-0191	EA		12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	2,041.20	63.45
	33 31 11 00-0192	EA		12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	2,301.59	68.37
	<b>33 31 11 00-0193</b>			<b>Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> (33 31 11 00-0160)		
	33 31 11 00-0194	EA		4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	115.93	34.59
	33 31 11 00-0195	EA		6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	182.12	38.34
	33 31 11 00-0196	EA		6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	200.89	40.21
	33 31 11 00-0197	EA		8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	246.55	42.09
	33 31 11 00-0198	EA		8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	283.64	43.97
	33 31 11 00-0199	EA		8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	443.17	45.85
	33 31 11 00-0200	EA		10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	683.78	47.28
	33 31 11 00-0201	EA		10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	697.12	49.16
	33 31 11 00-0202	EA		10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,058.41	51.03
	33 31 11 00-0203	EA		10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,172.34	53.62
	33 31 11 00-0204	EA		12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	867.74	57.11
	33 31 11 00-0205	EA		12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	894.96	58.99
	33 31 11 00-0206	EA		12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,291.51	60.87
	33 31 11 00-0207	EA		12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,560.37	63.45
	33 31 11 00-0208	EA		12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,628.33	68.37
	33 31 11 00-0209	EA		15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	2,007.60	82.23
	33 31 11 00-0210	EA		15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	2,229.02	87.14
	33 31 11 00-0211	EA		15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	2,792.03	96.52
	<b>33 31 11 00-0212</b>			<b>Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> (33 31 11 00-0160)		
	33 31 11 00-0213	EA		4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	80.21	23.06
	33 31 11 00-0214	EA		6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	128.11	26.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0215 EA 8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	192.63	30.56
33 31 11 00-0216 EA 10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	374.06	35.75
33 31 11 00-0217 EA 12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	532.88	45.58
33 31 11 00-0218 EA 15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,052.58	64.35
33 31 11 00-0219 EA 18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,992.17	91.16
33 31 11 00-0220 EA 21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	3,337.29	120.65
33 31 11 00-0221 EA 24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	4,836.88	160.86
<b>33 31 11 00-0222</b> <b>Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0160)</small>		
33 31 11 00-0223 EA 6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	161.47	24.94
33 31 11 00-0224 EA 8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	235.07	26.82
33 31 11 00-0225 EA 8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	247.71	28.68
33 31 11 00-0226 EA 10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	571.84	31.28
33 31 11 00-0227 EA 10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	658.37	33.16
33 31 11 00-0228 EA 12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	735.98	36.19
33 31 11 00-0229 EA 12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	846.13	38.07
33 31 11 00-0230 EA 12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	971.43	40.67
33 31 11 00-0231 EA 15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,465.14	54.96
<b>33 31 11 00-0232</b> <b>Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0160)</small>		
33 31 11 00-0233 EA 6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	131.05	
33 31 11 00-0234 EA 8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	174.44	
33 31 11 00-0235 EA 8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	178.63	
33 31 11 00-0236 EA 10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	302.16	
33 31 11 00-0237 EA 10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	319.70	
33 31 11 00-0238 EA 10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	621.37	
33 31 11 00-0239 EA 12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	343.00	
33 31 11 00-0240 EA 12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	375.87	
33 31 11 00-0241 EA 12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	862.93	
33 31 11 00-0242 EA 12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	1,021.21	
33 31 11 00-0243 EA 15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	388.64	
33 31 11 00-0244 EA 15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	417.33	
<b>33 31 11 00-0245</b> <b>Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0160)</small>		
33 31 11 00-0246 EA 6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	140.87	
33 31 11 00-0247 EA 8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	174.44	
33 31 11 00-0248 EA 8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	192.00	
33 31 11 00-0249 EA 10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	276.15	
33 31 11 00-0250 EA 10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	317.59	
33 31 11 00-0251 EA 10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	490.44	
33 31 11 00-0252 EA 12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	340.91	
33 31 11 00-0253 EA 12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	373.89	
33 31 11 00-0254 EA 12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	569.74	
33 31 11 00-0255 EA 12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	697.57	
33 31 11 00-0256 EA 15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	387.35	
33 31 11 00-0257 EA 15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	407.61	
33 31 11 00-0258 EA 15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	697.20	
33 31 11 00-0259 EA 15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	774.34	
33 31 11 00-0260 EA 15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	1,105.87	
<b>33 31 11 00-0261</b> <b>Couplings And Plug Fittings</b> <small>(33 31 11)</small>		
<b>33 31 11 00-0262</b> <b>Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings</b> <small>(33 31 11 00-0261)</small>		
Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.		
33 31 11 00-0263 EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150).....	18.13	6.45
33 31 11 00-0264 EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22).....	19.84	7.52
33 31 11 00-0265 EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33).....	22.95	8.60
33 31 11 00-0266 EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44).....	26.01	9.14
33 31 11 00-0267 EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55).....	31.83	9.68
33 31 11 00-0268 EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66).....	37.70	10.75
33 31 11 00-0269 EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88).....	47.94	11.83
33 31 11 00-0270 EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010).....	59.20	12.36
33 31 11 00-0271 EA 12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212).....	97.78	12.91
33 31 11 00-0272 EA 15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515).....	133.16	13.98
33 31 11 00-0273 EA 18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818).....	256.85	14.52
33 31 11 00-0274 EA 21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121).....	298.44	15.33
33 31 11 00-0275 EA 24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424).....	330.63	16.13
33 31 11 00-0276 EA 27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727).....	396.10	17.21
<b>33 31 11 00-0277</b> <b>Cast Iron Service Saddles With U Bolt</b> <small>(33 31 11)</small>		
33 31 11 00-0278 EA 2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	111.33	
33 31 11 00-0279 EA 3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	111.93	
33 31 11 00-0280 EA 3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	123.18	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Sanitary Sewerage Utilities</b>	<b>33 30</b>	
<b>Sanitary Sewerage Piping</b>	<b>33 31</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0281 EA 4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt .....	119.21	
33 31 11 00-0282 EA 4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt .....	134.54	
33 31 11 00-0283 EA 4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt .....	151.38	
33 31 11 00-0284 EA 4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt .....	179.34	
33 31 11 00-0285 EA 6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt .....	151.83	
33 31 11 00-0286 EA 6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt .....	165.96	
33 31 11 00-0287 EA 6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt .....	191.42	
33 31 11 00-0288 EA 4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt .....	122.57	
33 31 11 00-0289 EA 4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt .....	133.82	
33 31 11 00-0290 EA 4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt .....	159.25	
33 31 11 00-0291 EA 4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt .....	189.00	
33 31 11 00-0292 EA 6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt .....	203.46	

**33 32 Sanitary Sewerage Equipment** (33 30)

**33 32 16 Packaged Wastewater Grinder Pump Assemblies** (33 32)

**33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller** (33 32 16)

33 32 16 00-0002 EA 2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	2,121.67	318.32
Note: Zoeller 840 series.		
33 32 16 00-0003 EA 2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	2,090.97	318.32
Note: Zoeller 840 series.		
33 32 16 00-0004 EA Simplex Control Panel With Auto Reversing Switch .....	1,009.26	106.07
Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0005 EA Duplex Control Panel With Auto Reversing Switch.....	1,579.75	106.07
Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0006 EA Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74).....	12,460.00	

**33 32 16 00-0007 Submersible Grinder Pumps** (33 32 16)

Note: Includes 50' of cord with pumps unless otherwise noted.

33 32 16 00-0008 EA 2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof .....	3,733.26	661.52
33 32 16 00-0009 EA 3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof .....	5,605.57	771.77
33 32 16 00-0010 EA 5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof .....	6,858.93	992.27

**33 34 Onsite Wastewater Disposal** (33 30)

Note: Excludes distribution field piping, trenching or excavation.

**33 34 13 Septic Tanks** (33 34)

**33 34 13 13 Concrete Septic Tanks** (33 34 13)

**33 34 13 13-0001 Precast Concrete Septic Tank** (33 34 13 13)

Note: Includes external coating.

33 34 13 13-0002 EA 1,000 Gallon Precast Septic Tank .....	3,824.72	661.52
For Non-Traffic Rated, Deduct	-753.08	
33 34 13 13-0003 EA 1,250 Gallon Precast Septic Tank .....	4,605.65	730.21
For Non-Traffic Rated, Deduct	-927.29	
33 34 13 13-0004 EA 1,500 Gallon Precast Septic Tank .....	5,356.12	798.79
For Non-Traffic Rated, Deduct	-1,093.85	
33 34 13 13-0005 EA 2,000 Gallon Precast Septic Tank .....	6,897.49	868.24
For Non-Traffic Rated, Deduct	-1,458.64	
33 34 13 13-0006 EA 2,500 Gallon Precast Septic Tank .....	8,195.69	1,199.00
For Non-Traffic Rated, Deduct	-1,682.17	
33 34 13 13-0007 EA 4,000 Gallon Precast Septic Tank .....	22,008.42	1,653.80
For Non-Traffic Rated, Deduct	-4,994.94	
33 34 13 13-0008 EA 5,000 Gallon Precast Septic Tank .....	40,094.98	2,480.69
For Non-Traffic Rated, Deduct	-9,265.17	
33 34 13 13-0009 EA 7,500 Gallon Precast Septic Tank .....	44,861.87	3,472.96
For Non-Traffic Rated, Deduct	-10,158.88	
33 34 13 13-0010 EA 10,000 Gallon Precast Septic Tank .....	55,022.21	4,155.21
For Non-Traffic Rated, Deduct	-12,487.65	
33 34 13 13-0011 EA 12,500 Gallon Precast Septic Tank .....	64,980.64	5,147.48
For Non-Traffic Rated, Deduct	-14,660.28	

**33 34 13 23 Fiberglass Septic Tank** (33 34 13)

**33 34 13 23-0001 Fiberglass Septic Tank** (33 34 13 23)

33 34 13 23-0002 EA 1,000 Gallon Fiberglass Septic Tank.....	4,027.94	496.14
33 34 13 23-0003 EA 1,250 Gallon Fiberglass Septic Tank.....	4,741.96	661.52
33 34 13 23-0004 EA 1,500 Gallon Fiberglass Septic Tank .....	5,461.05	599.56
33 34 13 23-0005 EA 2,000 Gallon Fiberglass Septic Tank .....	9,136.39	649.06
33 34 13 23-0006 EA 2,500 Gallon Fiberglass Septic Tank.....	11,469.19	899.67
33 34 13 23-0007 EA 4,000 Gallon Fiberglass Septic Tank .....	18,189.81	1,240.34
33 34 13 23-0008 EA 5,000 Gallon Fiberglass Septic Tank .....	26,996.91	1,860.52
33 34 13 23-0009 EA 7,500 Gallon Fiberglass Septic Tank .....	37,063.84	2,604.73
33 34 13 23-0010 EA 10,000 Gallon Fiberglass Septic Tank .....	45,483.43	3,113.21

**33 34 13 33 Polyethylene Septic Tank** (33 34 13)

**33 Utilities****33 30 Sanitary Sewerage Utilities****33 34 Onsite Wastewater Disposal**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 34 13 33-0001	High Density Polyethylene (HDPE) Septic Tank <small>(33 34 13 33)</small>		
33 34 13 33-0002	EA 300 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,188.34	195.28
33 34 13 33-0003	EA 500 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,849.03	219.70
33 34 13 33-0004	EA 900 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,579.72	268.52
33 34 13 33-0005	EA 1,000 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,645.01	292.92
33 34 13 33-0006	EA 1,250 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	3,070.37	317.34
33 34 13 33-0007	EA 1,500 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	3,693.40	341.74
33 34 13 33-0008	EA 750 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,603.85	244.10
33 34 13 33-0009	EA 1,000 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,833.28	292.92
33 34 13 33-0010	EA 1,250 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	3,338.65	317.34
33 34 13 33-0011	EA 1,500 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	3,928.74	341.74

**33 34 51 Drainage Field System (33 34)**

33 34 51 00-0001	Leaching Pit - Precast Concrete <small>(33 34 51)</small>		
	Note: Includes external coating.		
33 34 51 00-0002	EA 3' Diameter, 3' High, Precast Concrete Leaching Pit .....	848.30	97.02
33 34 51 00-0003	EA 4' Diameter, 3' High, Precast Concrete Leaching Pit .....	1,192.73	137.81
33 34 51 00-0004	EA 6' Diameter, 3' High, Precast Concrete Leaching Pit .....	1,588.78	165.38
33 34 51 00-0005	EA 8' Diameter, 4' High, Precast Concrete Leaching Pit .....	2,586.57	275.63
33 34 51 00-0006	EA 10' Diameter, 4' High, Precast Concrete Leaching Pit .....	3,774.65	385.88

**33 34 53 Distribution Chambers (33 34)****33 34 53 13 Drainage Field Concrete Distribution Chambers (33 34 53)**

33 34 53 13-0001	Concrete Distribution Boxes <small>(33 34 53 13)</small>		
	Note: Includes internal and external coating.		
33 34 53 13-0002	EA 3 Outlet Concrete Distribution Box.....	330.88	70.13
33 34 53 13-0003	EA 5 Outlet Concrete Distribution Box.....	384.83	84.15
33 34 53 13-0004	EA 8 Outlet Concrete Distribution Box.....	678.80	98.19
33 34 53 13-0005	EA 12 Outlet Concrete Distribution Box.....	1,343.86	168.32

**33 34 53 13-0006 Leaching Field Chambers - Precast Concrete (33 34 53 13)**

33 34 53 13-0007	EA Standard Leaching Field Chamber 13' x 3'-7" x 1'-4".....	995.19	85.65
33 34 53 13-0008	EA Heavy Duty Leaching Field Chamber 13' x 3'-9" x 1'-6".....	1,217.83	116.80

**33 34 56 Drainage Field Dosing Chambers (33 34)**

33 34 56 00-0001	Dosing Siphon <small>(33 34 56)</small>		
33 34 56 00-0002	EA Dosing Siphon With Electrical Connection And Solenoid Valve.....	5,523.37	
33 34 56 00-0003	EA Solar Power Control For Dosing Siphon .....	3,795.39	
33 34 56 00-0004	EA Electrical Power Control For Dosing Siphon .....	3,646.71	

**33 40 Stormwater Utilities (33)****33 41 Subdrainage (33 40)****33 41 16 Subdrainage Piping (33 41)****33 41 16 13 Subdrainage Piping (33 41 16)**

See CSI section 33 42 11 00-0189 for polyethylene drain pipe.

33 41 16 13-0001	Corrugated High Density Polyethylene (HDPE) Drainage Piping <small>(33 41 16 13)</small>		
33 41 16 13-0002	Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 16 13-0001)</small>		
	Note: Excludes couplings and gaskets.		
33 41 16 13-0003	Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 16 13-0002)</small>		
33 41 16 13-0004	LF 4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	5.40	4.45
	For <100, Add	0.94	
	For >1,000, Deduct	-0.49	
33 41 16 13-0005	LF 6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	6.89	4.76
	For <100, Add	1.06	
	For >1,000, Deduct	-0.58	
33 41 16 13-0006	LF 8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	8.76	5.00
	For <100, Add	1.19	
	For >1,000, Deduct	-0.69	
33 41 16 13-0007	LF 10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	12.11	5.16
	For <100, Add	1.38	
	For >1,000, Deduct	-0.86	
33 41 16 13-0008	LF 12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	14.30	5.63
	For <100, Add	1.56	
	For >1,000, Deduct	-1.00	
33 41 16 13-0009	LF 15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	18.97	6.35
	For <100, Add	1.90	
	For >1,000, Deduct	-1.27	





<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Subdrainage	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0010 LF 18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	30.64 3.16 -2.08	10.88
33 41 16 13-0011 LF 24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	42.81 3.93 -2.74	11.95
<b>33 41 16 13-0012 Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 41 16 13-0002)</small>		
33 41 16 13-0013 LF 4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	5.27 0.93 -0.49	4.45
33 41 16 13-0014 LF 6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	6.83 1.06 -0.58	4.76
33 41 16 13-0015 LF 8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	11.35 1.32 -0.82	5.00
33 41 16 13-0016 LF 10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	13.47 1.45 -0.93	5.16
33 41 16 13-0017 LF 12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	15.79 1.63 -1.07	5.63
33 41 16 13-0018 LF 15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	18.81 1.89 -1.26	6.35
33 41 16 13-0019 LF 18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	29.66 3.12 -2.03	10.88
33 41 16 13-0020 LF 24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	41.25 3.86 -2.66	11.95
<b>33 41 16 13-0021 Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings</b> <small>(33 41 16 13-0001)</small> Note: Excludes couplings and gaskets.		
<b>33 41 16 13-0022 Tees, Single Wall, Corrugated High Density Polyethylene (HDPE)</b> <small>(33 41 16 13-0021)</small>		
33 41 16 13-0023 EA 4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	39.47	21.46
33 41 16 13-0024 EA 6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	46.93	25.04
33 41 16 13-0025 EA 8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	75.68	30.40
33 41 16 13-0026 EA 10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	97.08	37.56
33 41 16 13-0027 EA 12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	143.61	44.71
33 41 16 13-0028 EA 15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	310.00	58.42
33 41 16 13-0029 EA 18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	371.12	78.68
33 41 16 13-0030 EA 24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	699.34	89.42
<b>33 41 16 13-0031 Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE)</b> <small>(33 41 16 13-0021)</small>		
33 41 16 13-0032 EA 4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	40.56	21.46
33 41 16 13-0033 EA 6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	50.49	25.04
33 41 16 13-0034 EA 8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	112.92	30.40
<b>33 41 16 13-0035 45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE)</b> <small>(33 41 16 13-0021)</small>		
33 41 16 13-0036 EA 4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	26.69	14.31
<b>33 41 16 13-0037 90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE)</b> <small>(33 41 16 13-0021)</small>		
33 41 16 13-0038 EA 4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	27.83	14.31
33 41 16 13-0039 EA 6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	35.89	16.69
33 41 16 13-0040 EA 8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	53.10	20.27
33 41 16 13-0041 EA 10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	69.91	25.04
<b>33 41 16 13-0042 Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729</b> <small>(33 41 16 13)</small> Note: Includes fittings, couplings, elbows, etc.		
33 41 16 13-0043 LF 3" Perforated Polyvinyl Chloride (PVC) Drainage Piping ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	5.80 0.84 -0.47	3.65
33 41 16 13-0044 LF 4" Perforated Polyvinyl Chloride (PVC) Drainage Piping ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	6.33 0.91 -0.51	3.94
33 41 16 13-0045 LF 6" Perforated Polyvinyl Chloride (PVC) Drainage Piping ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	8.84 1.15 -0.68	4.72

<b>33</b>	<b>Utilities</b>
<b>33 40</b>	<b>Stormwater Utilities</b>
<b>33 41</b>	<b>Subdrainage</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0046 LF 8" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	13.60	5.90
For <100, Add	1.57	
For >1,000, Deduct	-0.98	
33 41 16 13-0047 LF 10" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	21.54	6.15
For <100, Add	2.00	
For >1,000, Deduct	-1.38	
33 41 16 13-0048 LF 12" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	27.32	6.71
For <100, Add	2.37	
For >1,000, Deduct	-1.70	
33 41 16 13-0049 LF 15" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	48.01	7.56
For <100, Add	3.53	
For >1,000, Deduct	-2.78	
<b>33 41 16 13-0050 Perforated Non Reinforced Concrete Drainage Piping, C444</b> <small>(33 41 16 13)</small>		
33 41 16 13-0051 LF 6" Perforated Non Reinforced Concrete Drainage Pipe .....	32.73	11.37
For Extra Strength, Add	1.94	
For >1,000, Deduct	-1.64	
33 41 16 13-0052 LF 8" Perforated Non Reinforced Concrete Drainage Pipe .....	38.39	12.64
For Extra Strength, Add	2.39	
For >1,000, Deduct	-1.92	
33 41 16 13-0053 LF 10" Perforated Non Reinforced Concrete Drainage Pipe .....	43.51	13.90
For Extra Strength, Add	2.78	
For >1,000, Deduct	-2.18	
33 41 16 13-0054 LF 12" Perforated Non Reinforced Concrete Drainage Pipe .....	51.31	15.16
For Extra Strength, Add	3.49	
For >1,000, Deduct	-2.57	
<b>33 41 16 13-0055 Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654</b> <small>(33 41 16 13)</small>		
Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 13-0056 LF 6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	26.73	11.37
For >1,000, Deduct	-1.34	
33 41 16 13-0057 LF 8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	29.57	12.64
For >1,000, Deduct	-1.48	
33 41 16 13-0058 LF 10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	32.63	13.90
For >1,000, Deduct	-1.63	
33 41 16 13-0059 LF 12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	37.38	14.44
For >1,000, Deduct	-1.87	
33 41 16 13-0060 LF 15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	43.60	16.24
For >1,000, Deduct	-2.18	
33 41 16 13-0061 LF 18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	53.91	20.76
For >1,000, Deduct	-2.70	
33 41 16 13-0062 LF 21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	67.29	26.62
For >1,000, Deduct	-3.36	
33 41 16 13-0063 LF 24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	82.06	32.49
For >1,000, Deduct	-4.10	
<b>33 41 16 13-0064 Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654</b> <small>(33 41 16 13)</small>		
33 41 16 13-0065 LF 6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....	24.75	11.37
For >1,000, Deduct	-1.24	
33 41 16 13-0066 LF 8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....	31.77	12.64
For >1,000, Deduct	-1.59	
33 41 16 13-0067 LF 10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....	40.57	13.90
For >1,000, Deduct	-2.03	
33 41 16 13-0068 LF 12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....	49.55	15.16
For >1,000, Deduct	-2.48	
33 41 16 13-0069 LF 15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....	56.86	16.87
For >1,000, Deduct	-2.84	
33 41 16 13-0070 LF 18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....	73.82	21.04
For >1,000, Deduct	-3.69	
<b>33 41 16 13-0071 Perforated Vitrified Clay Drainage Piping, C700</b> <small>(33 41 16 13)</small>		
33 41 16 13-0072 LF 4" Perforated Vitrified Clay Drainage Pipe .....	23.59	12.64
33 41 16 13-0073 LF 6" Perforated Vitrified Clay Drainage Pipe .....	28.15	14.21
33 41 16 13-0074 LF 8" Perforated Vitrified Clay Drainage Pipe .....	32.08	14.21
33 41 16 13-0075 LF 10" Perforated Vitrified Clay Drainage Pipe .....	42.98	17.37
33 41 16 13-0076 LF 12" Perforated Vitrified Clay Drainage Pipe .....	51.06	18.95
<b>33 41 16 13-0077 Geotextile Filter Fabric Sock</b> <small>(33 41 16 13)</small>		
33 41 16 13-0078 LF 3" Geotextile Filter Fabric Sock .....	0.76	
33 41 16 13-0079 LF 4" Geotextile Filter Fabric Sock .....	0.99	
33 41 16 13-0080 LF 6" Geotextile Filter Fabric Sock .....	1.51	
33 41 16 13-0081 LF 8" Geotextile Filter Fabric Sock .....	2.03	
33 41 16 13-0082 LF 10" Geotextile Filter Fabric Sock .....	3.06	
33 41 16 13-0083 LF 12" Geotextile Filter Fabric Sock .....	4.24	
33 41 16 13-0084 LF 15" Geotextile Filter Fabric Sock .....	5.12	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Subdrainage	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 41 16 13-0085 Strip-Perforated, Galvanized, Corrugated Steel Pipe</b> <small>(33 41 16 13)</small>		
<small>Note: Perforations are located in the bottom quarter points of the pipe.</small>		
33 41 16 13-0086 LF 6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	22.76	5.41
<i>For Full Perforated, Add</i>	1.19	
33 41 16 13-0087 LF 8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	28.85	6.57
<i>For Full Perforated, Add</i>	1.57	
33 41 16 13-0088 LF 10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	36.38	8.33
<i>For Full Perforated, Add</i>	1.97	
33 41 16 13-0089 LF 12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	40.31	9.85
<i>For Full Perforated, Add</i>	2.06	
33 41 16 13-0090 LF 15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	46.30	10.20
<i>For Full Perforated, Add</i>	2.59	
33 41 16 13-0091 LF 18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	52.43	10.56
<i>For Full Perforated, Add</i>	3.13	
33 41 16 13-0092 LF 21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	60.05	11.39
<i>For Full Perforated, Add</i>	3.73	
<b>33 41 16 13-0093 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe</b> <small>(33 41 16 13)</small>		
<small>Note: Perforations are located in the bottom quarter points of the pipe.</small>		
33 41 16 13-0094 LF 6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	24.68	5.41
<i>For Full Perforated, Add</i>	1.39	
33 41 16 13-0095 LF 8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	31.45	6.57
<i>For Full Perforated, Add</i>	1.83	
33 41 16 13-0096 LF 10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	39.56	8.33
<i>For Full Perforated, Add</i>	2.29	
33 41 16 13-0097 LF 12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	43.40	9.85
<i>For Full Perforated, Add</i>	2.37	
33 41 16 13-0098 LF 15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	50.11	10.20
<i>For Full Perforated, Add</i>	2.97	
33 41 16 13-0099 LF 18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	56.96	10.56
<i>For Full Perforated, Add</i>	3.58	
33 41 16 13-0100 LF 21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	65.33	11.39
<i>For Full Perforated, Add</i>	4.25	
<b>33 41 16 13-0101 Strip-Perforated, Corrugated Aluminum Pipe</b> <small>(33 41 16 13)</small>		
<small>Note: Perforations are located in the bottom quarter points of the pipe.</small>		
33 41 16 13-0102 LF 6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	25.30	5.41
<i>For Full Perforated, Add</i>	1.45	
33 41 16 13-0103 LF 8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	32.24	6.57
<i>For Full Perforated, Add</i>	1.91	
33 41 16 13-0104 LF 10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	40.57	8.33
<i>For Full Perforated, Add</i>	2.39	
33 41 16 13-0105 LF 12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	51.02	9.85
<i>For Full Perforated, Add</i>	3.13	
33 41 16 13-0106 LF 15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	59.59	10.20
<i>For Full Perforated, Add</i>	3.92	
33 41 16 13-0107 LF 18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	68.45	10.56
<i>For Full Perforated, Add</i>	4.73	
33 41 16 13-0108 LF 21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	78.73	11.39
<i>For Full Perforated, Add</i>	5.59	
<b>33 41 16 13-0109 Prefabricated Composite Drains</b> <small>(33 41 16 13)</small>		
<b>33 41 16 13-0110 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)</b> <small>(33 41 16 13-0109)</small>		
<small>Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.</small>		
33 41 16 13-0111 LF 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	10.49	2.13
<i>For External Typar Geotextile Wrap, Add</i>	1.95	
33 41 16 13-0112 EA Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	47.36	
33 41 16 13-0113 EA End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	47.36	
33 41 16 13-0114 EA Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	92.59	
33 41 16 13-0115 EA End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	92.59	
33 41 16 13-0116 LF 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	16.82	2.66
<i>For External Typar Geotextile Wrap, Add</i>	2.93	
33 41 16 13-0117 EA Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	70.58	
33 41 16 13-0118 EA End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	70.58	
33 41 16 13-0119 EA Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	121.94	
33 41 16 13-0120 EA End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	121.94	
<b>33 41 19 Underslab Drainage</b> <small>(33 41)</small>		
<b>33 41 19 13 Underslab Drainage Piping</b> <small>(33 41 19)</small>		
<b>33 41 19 13-0001 Capillary Water Barrier Underslab Drainage</b> <small>(33 41 19 13)</small>		
<small>Note: Consists of a layer of fine granular material overlying a coarse layer.</small>		
33 41 19 13-0002 CY 2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage .....	33.15	
33 41 19 13-0003 CY 4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage .....	30.74	
33 41 19 13-0004 CY 6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage .....	29.78	

<b>33</b>	<b>Utilities</b>
<b>33 40</b>	<b>Stormwater Utilities</b>
<b>33 41</b>	<b>Subdrainage</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 41 19 13-0005	CY	8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	28.33		
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### 33 42 Stormwater Conveyance (33 40)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

#### 33 42 11 Stormwater Gravity Piping (33 42)

##### 33 42 11 00-0001 Reinforced Concrete Piping (33 42 11)

##### 33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets (33 42 11 00-0001)

33 42 11 00-0003	LF	12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	49.34	15.16
		<i>For &gt;1,000, Deduct</i>	-2.47	
		<i>For Class 4, Add</i>	2.63	
		<i>For Class 5, Add</i>	5.54	
33 42 11 00-0004	LF	15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	59.56	16.87
		<i>For &gt;1,000, Deduct</i>	-2.98	
		<i>For Class 4, Add</i>	3.37	
		<i>For Class 5, Add</i>	7.09	
33 42 11 00-0005	LF	18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	67.35	21.04
		<i>For &gt;1,000, Deduct</i>	-3.37	
		<i>For Class 4, Add</i>	3.54	
		<i>For Class 5, Add</i>	7.46	
33 42 11 00-0006	LF	21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	86.38	26.53
		<i>For &gt;1,000, Deduct</i>	-4.32	
		<i>For Class 4, Add</i>	4.61	
		<i>For Class 5, Add</i>	9.70	
33 42 11 00-0007	LF	24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	100.87	32.22
		<i>For &gt;1,000, Deduct</i>	-5.04	
		<i>For Class 4, Add</i>	5.21	
		<i>For Class 5, Add</i>	10.97	
33 42 11 00-0008	LF	27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	128.47	41.47
		<i>For &gt;1,000, Deduct</i>	-6.42	
		<i>For Class 4, Add</i>	6.58	
		<i>For Class 5, Add</i>	13.85	
33 42 11 00-0009	LF	30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	136.78	42.82
		<i>For &gt;1,000, Deduct</i>	-6.84	
		<i>For Class 4, Add</i>	7.11	
		<i>For Class 5, Add</i>	14.98	
33 42 11 00-0010	LF	36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	170.37	48.67
		<i>For &gt;1,000, Deduct</i>	-8.52	
		<i>For Class 4, Add</i>	9.65	
		<i>For Class 5, Add</i>	20.31	
33 42 11 00-0011	LF	42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	222.67	53.53
		<i>For &gt;1,000, Deduct</i>	-11.13	
		<i>For Class 4, Add</i>	13.96	
		<i>For Class 5, Add</i>	29.39	
33 42 11 00-0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	267.43	59.62
		<i>For &gt;1,000, Deduct</i>	-13.37	
		<i>For Class 4, Add</i>	17.32	
		<i>For Class 5, Add</i>	36.45	
33 42 11 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	333.99	68.13
		<i>For &gt;1,000, Deduct</i>	-16.70	
		<i>For Class 4, Add</i>	22.48	
		<i>For Class 5, Add</i>	47.33	
33 42 11 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	403.97	79.04
		<i>For &gt;1,000, Deduct</i>	-20.20	
		<i>For Class 4, Add</i>	27.65	
		<i>For Class 5, Add</i>	58.21	
33 42 11 00-0015	LF	66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	629.53	87.60
		<i>For &gt;1,000, Deduct</i>	-31.48	
		<i>For Class 4, Add</i>	47.97	
		<i>For Class 5, Add</i>	100.99	
33 42 11 00-0016	LF	72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	735.71	95.39
		<i>For &gt;1,000, Deduct</i>	-36.79	
		<i>For Class 4, Add</i>	56.95	
		<i>For Class 5, Add</i>	119.89	
33 42 11 00-0017	LF	78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	886.19	107.06
		<i>For &gt;1,000, Deduct</i>	-44.31	
		<i>For Class 4, Add</i>	69.62	
		<i>For Class 5, Add</i>	146.58	
33 42 11 00-0018	LF	84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	1,145.30	119.23
		<i>For &gt;1,000, Deduct</i>	-57.27	
		<i>For Class 4, Add</i>	92.62	
		<i>For Class 5, Add</i>	194.99	

##### 33 42 11 00-0019 HE-I Elliptical Reinforced Concrete Piping Without Gaskets (33 42 11 00-0001)

33 42 11 00-0020	LF	12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size).....	78.91	24.20
		<i>For &gt;1,000, Deduct</i>	-3.95	
		<i>For Horizontal Elliptical - II (HE- II), Add</i>	4.43	
		<i>For Horizontal Elliptical - III (HE- III), Add</i>	9.75	
		<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	21.28	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0021 LF 14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size).....	120.68	27.97
For >1,000, Deduct	-6.03	
For Horizontal Elliptical - II (HE- II), Add	8.07	
For Horizontal Elliptical - III (HE- III), Add	17.76	
For Horizontal Elliptical - IV (HE- IV), Add	38.74	
33 42 11 00-0022 LF 19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size).....	166.80	42.84
For >1,000, Deduct	-8.34	
For Horizontal Elliptical - II (HE- II), Add	10.56	
For Horizontal Elliptical - III (HE- III), Add	23.23	
For Horizontal Elliptical - IV (HE- IV), Add	50.68	
33 42 11 00-0023 LF 22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size).....	196.84	55.16
For >1,000, Deduct	-9.84	
For Horizontal Elliptical - II (HE- II), Add	11.80	
For Horizontal Elliptical - III (HE- III), Add	25.97	
For Horizontal Elliptical - IV (HE- IV), Add	56.66	
33 42 11 00-0024 LF 24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size).....	209.12	57.63
For >1,000, Deduct	-10.46	
For Horizontal Elliptical - II (HE- II), Add	12.68	
For Horizontal Elliptical - III (HE- III), Add	27.89	
For Horizontal Elliptical - IV (HE- IV), Add	60.86	
33 42 11 00-0025 LF 27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size).....	241.11	60.85
For >1,000, Deduct	-12.06	
For Horizontal Elliptical - II (HE- II), Add	15.42	
For Horizontal Elliptical - III (HE- III), Add	33.92	
For Horizontal Elliptical - IV (HE- IV), Add	74.01	
33 42 11 00-0026 LF 29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size).....	273.09	64.06
For >1,000, Deduct	-13.65	
For Horizontal Elliptical - II (HE- II), Add	18.16	
For Horizontal Elliptical - III (HE- III), Add	39.95	
For Horizontal Elliptical - IV (HE- IV), Add	87.15	
33 42 11 00-0027 LF 34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size).....	334.29	70.50
For >1,000, Deduct	-16.71	
For Horizontal Elliptical - II (HE- II), Add	23.36	
For Horizontal Elliptical - III (HE- III), Add	51.39	
For Horizontal Elliptical - IV (HE- IV), Add	112.12	
33 42 11 00-0028 LF 38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size).....	403.87	79.29
For >1,000, Deduct	-20.19	
For Horizontal Elliptical - II (HE- II), Add	29.06	
For Horizontal Elliptical - III (HE- III), Add	63.93	
For Horizontal Elliptical - IV (HE- IV), Add	139.49	
33 42 11 00-0029 LF 43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size).....	459.68	90.61
For >1,000, Deduct	-22.98	
For Horizontal Elliptical - II (HE- II), Add	33.02	
For Horizontal Elliptical - III (HE- III), Add	72.65	
For Horizontal Elliptical - IV (HE- IV), Add	158.51	
33 42 11 00-0030 LF 48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size).....	570.66	105.12
For >1,000, Deduct	-28.53	
For Horizontal Elliptical - II (HE- II), Add	42.05	
For Horizontal Elliptical - III (HE- III), Add	92.51	
For Horizontal Elliptical - IV (HE- IV), Add	201.84	
33 42 11 00-0031 LF 53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size).....	652.13	115.82
33 42 11 00-0032 LF 58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size).....	793.49	126.53
33 42 11 00-0033 LF 63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size).....	949.58	143.07
33 42 11 00-0034 LF 68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size).....	1,027.18	158.65
33 42 11 00-0035 LF 72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size).....	1,322.67	166.44
33 42 11 00-0036 LF 77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size).....	1,536.51	174.22
<b>33 42 11 00-0037 Concrete Reducing Wye Without Gaskets (33 42 11 00-0001)</b>		
33 42 11 00-0038 EA 12" Concrete Reducing Wye Without Gaskets .....	629.24	57.75
33 42 11 00-0039 EA 15" Concrete Reducing Wye Without Gaskets .....	754.32	70.39
33 42 11 00-0040 EA 18" Concrete Reducing Wye Without Gaskets .....	934.25	77.61
33 42 11 00-0041 EA 21" Concrete Reducing Wye Without Gaskets .....	1,070.62	95.66
33 42 11 00-0042 EA 24" Concrete Reducing Wye Without Gaskets .....	1,208.37	115.51
<b>33 42 11 00-0043 Concrete Pipe Joint Gaskets (33 42 11 00-0001)</b>		
33 42 11 00-0044 EA 12" Diameter Concrete Pipe Joint Gasket .....	6.14	
33 42 11 00-0045 EA 15" Diameter Concrete Pipe Joint Gasket .....	7.26	
33 42 11 00-0046 EA 18" Diameter Concrete Pipe Joint Gasket .....	8.42	
33 42 11 00-0047 EA 21" Diameter Concrete Pipe Joint Gasket .....	10.17	
33 42 11 00-0048 EA 24" Diameter Concrete Pipe Joint Gasket .....	11.92	
33 42 11 00-0049 EA 27" Diameter Concrete Pipe Joint Gasket .....	13.28	
33 42 11 00-0050 EA 30" Diameter Concrete Pipe Joint Gasket .....	14.59	
33 42 11 00-0051 EA 36" Diameter Concrete Pipe Joint Gasket .....	17.83	
33 42 11 00-0052 EA 42" Diameter Concrete Pipe Joint Gasket .....	20.67	
33 42 11 00-0053 EA 48" Diameter Concrete Pipe Joint Gasket .....	23.84	
33 42 11 00-0054 EA 54" Diameter Concrete Pipe Joint Gasket .....	29.22	
33 42 11 00-0055 EA 60" Diameter Concrete Pipe Joint Gasket .....	43.25	
33 42 11 00-0056 EA 66" Diameter Concrete Pipe Joint Gasket .....	44.96	
33 42 11 00-0057 EA 72" Diameter Concrete Pipe Joint Gasket .....	46.62	
33 42 11 00-0058 EA 78" Diameter Concrete Pipe Joint Gasket .....	53.69	
33 42 11 00-0059 EA 84" Diameter Concrete Pipe Joint Gasket .....	64.37	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0060			<b>Precast Concrete Cut Off Wall</b> (33 42 11 00-0001)		
33 42 11 00-0061	EA		12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	244.00	171.31
33 42 11 00-0062	EA		15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	301.00	212.18
33 42 11 00-0063	EA		18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	373.60	268.64
33 42 11 00-0064	EA		21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	442.29	321.19
33 42 11 00-0065	EA		24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	508.94	371.71
33 42 11 00-0066	EA		27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	628.35	474.98
33 42 11 00-0067	EA		30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	823.71	654.06
33 42 11 00-0068	EA		36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,027.44	825.37
33 42 11 00-0069	EA		42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,269.60	1,035.40
33 42 11 00-0070	EA		48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,421.39	1,166.99
33 42 11 00-0071	EA		54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,587.24	1,308.12
33 42 11 00-0072	EA		60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,755.53	1,453.15
33 42 11 00-0073	EA		66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,824.09	1,508.63
33 42 11 00-0074	EA		72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,884.38	1,557.29
33 42 11 00-0075	EA		78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,944.68	1,605.96
33 42 11 00-0076	EA		84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	2,006.42	1,654.62
33 42 11 00-0077			<b>Strap Assembly</b> (33 42 11 00-0001)		
			Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.		
33 42 11 00-0078	EA		Up To 24" Diameter Pipe, 12' Strap Assembly.....	227.03	
33 42 11 00-0079	EA		>24" Diameter Pipe, 12' Strap Assembly.....	320.52	
33 42 11 00-0080			<b>Prestressed Concrete Cylinder Piping</b> (33 42 11)		
33 42 11 00-0081			<b>150 PSI Prestressed Concrete Cylinder Pipe And Fittings</b> (33 42 11 00-0080)		
33 42 11 00-0082			<b>150 PSI Prestressed Concrete Cylinder Pipe With Gaskets</b> (33 42 11 00-0081)		
			Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0083	LF		12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	140.96	15.16
			For >1,000, Deduct.....	-7.05	
			For 100 PSI, Deduct.....	-29.83	
33 42 11 00-0084	LF		15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	150.32	16.87
			For >1,000, Deduct.....	-7.52	
			For 100 PSI, Deduct.....	-31.56	
33 42 11 00-0085	LF		18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	163.18	21.04
			For >1,000, Deduct.....	-8.16	
			For 100 PSI, Deduct.....	-33.28	
33 42 11 00-0086	LF		21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	177.94	26.53
			For >1,000, Deduct.....	-8.90	
			For 100 PSI, Deduct.....	-35.01	
33 42 11 00-0087	LF		24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	192.96	32.22
			For >1,000, Deduct.....	-9.65	
			For 100 PSI, Deduct.....	-36.74	
33 42 11 00-0088	LF		30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	226.43	42.82
			For >1,000, Deduct.....	-11.32	
			For 100 PSI, Deduct.....	-41.13	
33 42 11 00-0089	LF		36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	250.92	48.67
			For >1,000, Deduct.....	-12.55	
			For 100 PSI, Deduct.....	-45.53	
33 42 11 00-0090	LF		42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	291.75	53.53
			For >1,000, Deduct.....	-14.59	
			For 100 PSI, Deduct.....	-54.01	
33 42 11 00-0091	LF		48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	335.09	59.62
			For >1,000, Deduct.....	-16.75	
			For 100 PSI, Deduct.....	-62.48	
33 42 11 00-0092	LF		54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	447.01	79.06
			For >1,000, Deduct.....	-22.35	
			For 100 PSI, Deduct.....	-83.52	
33 42 11 00-0093	LF		60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	539.18	91.70
			For >1,000, Deduct.....	-26.96	
			For 100 PSI, Deduct.....	-102.04	
33 42 11 00-0094	LF		66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	606.11	101.65
			For >1,000, Deduct.....	-30.31	
			For 100 PSI, Deduct.....	-115.39	
33 42 11 00-0095	LF		72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	676.19	110.68
			For >1,000, Deduct.....	-33.81	
			For 100 PSI, Deduct.....	-129.52	
33 42 11 00-0096	LF		78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	768.16	124.23
			For >1,000, Deduct.....	-38.41	
			For 100 PSI, Deduct.....	-147.57	
33 42 11 00-0097	LF		84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	860.13	138.35
			For >1,000, Deduct.....	-43.01	
			For 100 PSI, Deduct.....	-165.63	
33 42 11 00-0098			<b>150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets</b> (33 42 11 00-0081)		
33 42 11 00-0099	EA		12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	444.38	142.13
33 42 11 00-0100	EA		15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	613.31	203.03



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0101 EA 18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	786.34	270.72
33 42 11 00-0102 EA 21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	959.37	338.39
33 42 11 00-0103 EA 24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,162.17	420.52
33 42 11 00-0104 EA 30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,491.75	563.99
33 42 11 00-0105 EA 36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,864.73	681.31
33 42 11 00-0106 EA 42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,171.24	795.19
33 42 11 00-0107 EA 48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,441.65	908.10
33 42 11 00-0108 EA 54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,000.17	1,133.90
33 42 11 00-0109 EA 60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,002.01	1,581.11
<b>33 42 11 00-0110 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets (33</b>		
<small>42 11 00-0081)</small>		
33 42 11 00-0111 EA 12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	412.35	142.13
33 42 11 00-0112 EA 15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	571.86	203.03
33 42 11 00-0113 EA 18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	737.36	270.72
33 42 11 00-0114 EA 21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	902.86	338.39
33 42 11 00-0115 EA 24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,098.12	420.52
33 42 11 00-0116 EA 30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,403.84	526.09
33 42 11 00-0117 EA 36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,764.25	681.31
33 42 11 00-0118 EA 42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,055.07	795.19
33 42 11 00-0119 EA 48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,316.69	908.10
33 42 11 00-0120 EA 54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,824.50	1,133.90
33 42 11 00-0121 EA 60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,832.87	1,581.11
<b>33 42 11 00-0122 400 PSI Prestressed With Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0080)</b>		
<b>33 42 11 00-0123 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11</b>		
<small>00-0122)</small>		
Note: AWWA C301		
33 42 11 00-0124 LF 30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints .....	267.72	42.82
<small>For &gt;1,000, Deduct</small>	-13.39	
33 42 11 00-0125 LF 36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints .....	327.18	48.67
<small>For &gt;1,000, Deduct</small>	-16.36	
33 42 11 00-0126 LF 42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints .....	382.28	53.53
<small>For &gt;1,000, Deduct</small>	-19.11	
<b>33 42 11 00-0127 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular</b>		
<b>Joints (33 42 11 00-0122)</b>		
Note: AWWA C301		
33 42 11 00-0128 LF 48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	516.94	59.57
<small>For &gt;1,000, Deduct</small>	-25.85	
33 42 11 00-0129 LF 54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	621.56	79.06
<small>For &gt;1,000, Deduct</small>	-31.08	
33 42 11 00-0130 LF 60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	716.47	91.70
<small>For &gt;1,000, Deduct</small>	-35.82	
33 42 11 00-0131 LF 66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	806.86	101.65
<small>For &gt;1,000, Deduct</small>	-40.34	
33 42 11 00-0132 LF 72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	978.75	110.68
<small>For &gt;1,000, Deduct</small>	-48.94	
<b>33 42 11 00-0133 Welded Joints For Prestressed Concrete Cylinder Pipe (33 42 11 00-0122)</b>		
Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 42 11 00-0134 EA 30" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,130.83	
33 42 11 00-0135 EA 36" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,288.67	
33 42 11 00-0136 EA 42" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,367.59	
33 42 11 00-0137 EA 48" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,683.27	
33 42 11 00-0138 EA 54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,762.19	
33 42 11 00-0139 EA 60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,920.03	
33 42 11 00-0140 EA 66" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,998.95	
33 42 11 00-0141 EA 72" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,077.87	
33 42 11 00-0142 EA 30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,945.98	
33 42 11 00-0143 EA 36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,945.98	
33 42 11 00-0144 EA 42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,498.42	
33 42 11 00-0145 EA 48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,498.42	
33 42 11 00-0146 EA 54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,814.10	
33 42 11 00-0147 EA 60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,814.10	
33 42 11 00-0148 EA 66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,208.70	
33 42 11 00-0149 EA 72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,208.70	
<b>33 42 11 00-0150 Quick Test Joints (33 42 11 00-0122)</b>		
33 42 11 00-0151 EA 30" Quick Test Joint.....	569.65	
33 42 11 00-0152 EA 36" Quick Test Joint.....	574.52	
33 42 11 00-0153 EA 42" Quick Test Joint.....	579.39	
33 42 11 00-0154 EA 48" Quick Test Joint.....	591.01	
33 42 11 00-0155 EA 54" Quick Test Joint.....	620.52	
33 42 11 00-0156 EA 60" Quick Test Joint.....	643.09	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0157 EA 66" Quick Test Joint.....	676.95	
33 42 11 00-0158 EA 72" Quick Test Joint.....	710.80	
<b>33 42 11 00-0159 Harnessed Joints (33 42 11 00-0122)</b>		
<b>33 42 11 00-0160 Harness Clamp Restrained Joints (33 42 11 00-0159)</b>		
33 42 11 00-0161 EA 30" Harness Clamp Restrained Joint.....	3,283.89	
33 42 11 00-0162 EA 36" Harness Clamp Restrained Joint.....	3,412.07	
33 42 11 00-0163 EA 42" Harness Clamp Restrained Joint.....	3,540.25	
33 42 11 00-0164 EA 48" Harness Clamp Restrained Joint.....	3,668.42	
33 42 11 00-0165 EA 54" Harness Clamp Restrained Joint.....	3,812.21	
33 42 11 00-0166 EA 60" Harness Clamp Restrained Joint.....	4,008.46	
33 42 11 00-0167 EA 66" Harness Clamp Restrained Joint.....	4,143.07	
33 42 11 00-0168 EA 72" Harness Clamp Restrained Joint.....	4,437.97	
<b>33 42 11 00-0169 Snap Ring Restrained Joints (33 42 11 00-0159)</b>		
33 42 11 00-0170 EA 30" Snap Ring Restrained Joint.....	571.10	
33 42 11 00-0171 EA 36" Snap Ring Restrained Joint.....	649.95	
33 42 11 00-0172 EA 42" Snap Ring Restrained Joint.....	864.45	
33 42 11 00-0173 EA 48" Snap Ring Restrained Joint.....	980.28	
33 42 11 00-0174 EA 54" Snap Ring Restrained Joint.....	1,111.74	
33 42 11 00-0175 EA 60" Snap Ring Restrained Joint.....	1,258.67	
33 42 11 00-0176 EA 66" Snap Ring Restrained Joint.....	1,393.28	
33 42 11 00-0177 EA 72" Snap Ring Restrained Joint.....	1,552.54	
<b>33 42 11 00-0178 Pipe Repairs (33 42 11 00-0122)</b>		
Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJD sleeve, 20' pipe.		
<b>33 42 11 00-0179 Lined Cylinder Pipe Repair (33 42 11 00-0178)</b>		
33 42 11 00-0180 EA 30" Lined Cylinder Pipe Repair.....	5,377.52	
33 42 11 00-0181 EA 36" Lined Cylinder Pipe Repair.....	6,656.27	
33 42 11 00-0182 EA 42" Lined Cylinder Pipe Repair.....	10,161.48	
<b>33 42 11 00-0183 Embedded Cylinder Pipe Repair (33 42 11 00-0178)</b>		
Note: Field welded concrete enclosure assembly with concrete pipe.		
33 42 11 00-0184 EA 48" Embedded Cylinder Pipe Repair.....	15,340.86	
33 42 11 00-0185 EA 54" Embedded Cylinder Pipe Repair.....	17,844.51	
33 42 11 00-0186 EA 60" Embedded Cylinder Pipe Repair.....	20,364.33	
33 42 11 00-0187 EA 66" Embedded Cylinder Pipe Repair.....	23,011.15	
33 42 11 00-0188 EA 72" Embedded Cylinder Pipe Repair.....	27,771.68	
<b>33 42 11 00-0189 High Density Polyethylene (HDPE) Drainage Piping (33 42 11)</b>		
<b>33 42 11 00-0190 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0189)</b>		
Note: Excludes couplings and gaskets.		
<b>33 42 11 00-0191 Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0190)</b>		
33 42 11 00-0192 LF 4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	14.40	6.42
For <100, Add	2.57	
For >1,000, Deduct	-1.36	
33 42 11 00-0193 LF 6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	18.89	7.47
For <100, Add	2.99	
For >1,000, Deduct	-1.69	
33 42 11 00-0194 LF 8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	23.29	8.68
For <100, Add	3.47	
For >1,000, Deduct	-2.03	
33 42 11 00-0195 LF 10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.52	8.99
For <100, Add	3.60	
For >1,000, Deduct	-2.23	
33 42 11 00-0196 LF 12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	27.89	9.31
For <100, Add	3.72	
For >1,000, Deduct	-2.33	
33 42 11 00-0197 LF 15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	31.70	9.64
For <100, Add	3.85	
For >1,000, Deduct	-2.55	
33 42 11 00-0198 LF 18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	38.52	10.00
For <100, Add	4.00	
For >1,000, Deduct	-2.93	
33 42 11 00-0199 LF 24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	52.93	11.70
For <100, Add	4.68	
For >1,000, Deduct	-3.82	
33 42 11 00-0200 LF 30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	75.13	15.75
For <100, Add	6.30	
For >1,000, Deduct	-5.33	





<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0201 LF 36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	98.79 7.96 -6.93	19.92
<b>33 42 11 00-0202 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0190)</small>		
33 42 11 00-0203 LF 12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	27.73 3.72 -2.32	9.31
33 42 11 00-0204 LF 15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	32.36 3.85 -2.58	9.64
33 42 11 00-0205 LF 18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	39.50 4.00 -2.97	10.00
33 42 11 00-0206 LF 24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	54.49 4.68 -3.90	11.70
33 42 11 00-0207 LF 30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	79.38 6.30 -5.54	15.75
33 42 11 00-0208 LF 36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	101.95 7.96 -7.09	19.92
33 42 11 00-0209 LF 42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	133.14 8.69 -8.83	21.72
33 42 11 00-0210 LF 48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	145.13 9.80 -9.71	24.51
<b>33 42 11 00-0211 Perforated, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0189)</small> Note: Excludes couplings and gaskets.		
<b>33 42 11 00-0212 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0211)</small>		
33 42 11 00-0213 LF 4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	15.22 2.57 -1.40	6.42
33 42 11 00-0214 LF 6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	18.92 2.99 -1.69	7.47
33 42 11 00-0215 LF 8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	23.29 3.47 -2.03	8.68
33 42 11 00-0216 LF 10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	26.55 3.60 -2.23	8.99
33 42 11 00-0217 LF 12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	27.89 3.72 -2.33	9.31
33 42 11 00-0218 LF 15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	31.73 3.85 -2.55	9.64
33 42 11 00-0219 LF 18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	38.54 4.00 -2.93	10.00
33 42 11 00-0220 LF 24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	52.93 4.68 -3.82	11.70
33 42 11 00-0221 LF 30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	75.40 6.30 -5.35	15.75
33 42 11 00-0222 LF 36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	98.79 7.96 -6.93	19.92
<b>33 42 11 00-0223 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0211)</small>		
33 42 11 00-0224 LF 12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	27.75 3.72 -2.32	9.31
33 42 11 00-0225 LF 15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	32.38 3.85 -2.58	9.64
33 42 11 00-0226 LF 18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	39.53 4.00 -2.98	10.00

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0227 LF 24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... For <100, Add ..... For >1,000, Deduct .....	54.49 4.68 -3.90	11.70
33 42 11 00-0228 LF 30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... For <100, Add ..... For >1,000, Deduct .....	79.38 6.30 -5.54	15.75
33 42 11 00-0229 LF 36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... For <100, Add ..... For >1,000, Deduct .....	101.95 7.96 -7.09	19.92
33 42 11 00-0230 LF 42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... For <100, Add ..... For >1,000, Deduct .....	133.14 8.69 -8.83	21.72
33 42 11 00-0231 LF 48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... For <100, Add ..... For >1,000, Deduct .....	145.13 9.80 -9.71	24.51
<b>33 42 11 00-0232 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings</b> (33 42 11 00-0189) Note: Excludes couplings and gaskets.		
<b>33 42 11 00-0233 Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)</b> (33 42 11 00-0232)		
33 42 11 00-0234 EA 4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	57.18	21.46
33 42 11 00-0235 EA 6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	71.79	25.04
33 42 11 00-0236 EA 8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	115.59	30.40
33 42 11 00-0237 EA 10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	176.03	37.56
33 42 11 00-0238 EA 12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	277.30	44.71
33 42 11 00-0239 EA 15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	391.23	58.42
33 42 11 00-0240 EA 18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	562.46	78.68
33 42 11 00-0241 EA 24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	720.51	89.81
33 42 11 00-0242 EA 30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	1,257.28	103.73
33 42 11 00-0243 EA 36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	1,614.32	119.82
33 42 11 00-0244 EA 42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	2,685.67	143.06
33 42 11 00-0245 EA 48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	3,370.65	169.90
<b>33 42 11 00-0246 Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)</b> (33 42 11 00-0232)		
33 42 11 00-0247 EA 4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	83.48	21.46
33 42 11 00-0248 EA 6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	100.65	25.04
33 42 11 00-0249 EA 8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	133.81	30.40
33 42 11 00-0250 EA 10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	196.12	37.56
33 42 11 00-0251 EA 12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	341.92	44.71
33 42 11 00-0252 EA 15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	371.40	58.42
33 42 11 00-0253 EA 18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	523.90	78.68
<b>33 42 11 00-0254 22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)</b> (33 42 11 00-0232)		
33 42 11 00-0255 EA 4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	34.82	14.31
33 42 11 00-0256 EA 6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	42.94	16.69
33 42 11 00-0257 EA 8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	62.47	20.27
33 42 11 00-0258 EA 10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	78.61	25.04
33 42 11 00-0259 EA 12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	113.80	29.81
33 42 11 00-0260 EA 15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	179.42	38.15
33 42 11 00-0261 EA 18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	237.87	52.46
33 42 11 00-0262 EA 24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	449.84	59.61
33 42 11 00-0263 EA 30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	624.50	69.15
33 42 11 00-0264 EA 36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	731.79	79.88
33 42 11 00-0265 EA 42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	934.93	95.38
33 42 11 00-0266 EA 48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	1,263.30	113.26
<b>33 42 11 00-0267 45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)</b> (33 42 11 00-0232)		
33 42 11 00-0268 EA 4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	37.70	14.31
33 42 11 00-0269 EA 6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	48.93	16.69
33 42 11 00-0270 EA 8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	65.53	20.27
33 42 11 00-0271 EA 10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	103.51	25.04
33 42 11 00-0272 EA 12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	113.80	29.81
33 42 11 00-0273 EA 15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	178.92	38.15
33 42 11 00-0274 EA 18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	278.02	52.46
33 42 11 00-0275 EA 24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	480.86	59.61
33 42 11 00-0276 EA 30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	625.98	69.15
33 42 11 00-0277 EA 36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	798.65	79.88



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0278 EA 42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	1,192.97	95.38
33 42 11 00-0279 EA 48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) .....	1,494.57	113.26
<b>33 42 11 00-0280 Couplings And End Caps, Corrugated High Density Polyethylene (HDPE)</b>		
<b>Pipe Fittings</b> <small>(33 42 11 00-0189)</small>		
Note: For single and double wall high density polyethylene (HDPE) piping.		
<b>33 42 11 00-0281 Couplings, Corrugated High Density Polyethylene (HDPE) Pipe</b> <small>(33 42 11 00-0280)</small>		
33 42 11 00-0282 EA 4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	1.72	
33 42 11 00-0283 EA 6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	3.08	
33 42 11 00-0284 EA 8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	4.74	
33 42 11 00-0285 EA 10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	5.83	
33 42 11 00-0286 EA 12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	6.27	
33 42 11 00-0287 EA 15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	8.93	
33 42 11 00-0288 EA 18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	13.21	
33 42 11 00-0289 EA 24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	21.02	
33 42 11 00-0290 EA 30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	32.28	
33 42 11 00-0291 EA 36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	42.23	
33 42 11 00-0292 EA 42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	66.39	
33 42 11 00-0293 EA 48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	89.80	
<b>33 42 11 00-0294 Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE)</b>		
<b>Pipe</b> <small>(33 42 11 00-0280)</small>		
33 42 11 00-0295 EA 4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	90.92	
33 42 11 00-0296 EA 6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	95.20	
33 42 11 00-0297 EA 8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	99.68	
33 42 11 00-0298 EA 10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	104.37	
33 42 11 00-0299 EA 12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	123.79	
33 42 11 00-0300 EA 15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	127.81	
33 42 11 00-0301 EA 18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	133.31	
33 42 11 00-0302 EA 24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	151.84	
33 42 11 00-0303 EA 30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	243.41	
33 42 11 00-0304 EA 36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	266.61	
33 42 11 00-0305 EA 42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	290.50	
33 42 11 00-0306 EA 48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	352.81	
<b>33 42 11 00-0307 End Caps, Corrugated High Density Polyethylene (HDPE) Pipe</b> <small>(33 42 11 00-0280)</small>		
33 42 11 00-0308 EA 6" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	31.31	
33 42 11 00-0309 EA 8" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	36.73	
33 42 11 00-0310 EA 10" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	59.36	
33 42 11 00-0311 EA 12" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	100.76	
33 42 11 00-0312 EA 15" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	117.21	
33 42 11 00-0313 EA 18" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	158.34	
33 42 11 00-0314 EA 24" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	164.13	
<b>33 42 11 00-0315 Vitrified Clay Piping</b> <small>(33 42 11)</small>		
<b>33 42 11 00-0316 Extra Strength Vitrified Clay Piping</b> <small>(33 42 11 00-0315)</small>		
<b>33 42 11 00-0317 Plain Joint, Extra Strength, Vitrified Clay Piping</b> <small>(33 42 11 00-0316)</small>		
Note: ASTM C700.		
33 42 11 00-0318 LF 4" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	19.61	
For 3' Lengths, Add	1.68	
For 2' Lengths, Add	2.24	
For Standard Strength, Deduct	-0.56	
For >1,000, Deduct	-0.98	
33 42 11 00-0319 LF 6" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	32.58	
For 3' Lengths, Add	2.60	
For 2' Lengths, Add	3.47	
For Standard Strength, Deduct	-0.87	
For >1,000, Deduct	-1.63	
33 42 11 00-0320 LF 8" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	38.95	
For 3' Lengths, Add	3.72	
For 2' Lengths, Add	4.96	
For Standard Strength, Deduct	-1.24	
For >1,000, Deduct	-1.95	
33 42 11 00-0321 LF 10" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	46.47	
For 3' Lengths, Add	5.70	
For 2' Lengths, Add	7.60	
For Standard Strength, Deduct	-1.90	
For >1,000, Deduct	-2.32	
33 42 11 00-0322 LF 12" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	56.79	
For 3' Lengths, Add	8.04	
For 2' Lengths, Add	10.72	
For Standard Strength, Deduct	-2.68	
For >1,000, Deduct	-2.84	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0323 LF 15" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	83.63	
For 3' Lengths, Add	15.08	
For 2' Lengths, Add	20.11	
For Standard Strength, Deduct	-5.03	
For >1,000, Deduct	-4.18	
33 42 11 00-0324 LF 18" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	113.65	
For 3' Lengths, Add	21.62	
For 2' Lengths, Add	28.82	
For Standard Strength, Deduct	-7.21	
For >1,000, Deduct	-5.68	
33 42 11 00-0325 LF 21" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	167.90	
For 3' Lengths, Add	34.63	
For 2' Lengths, Add	46.18	
For Standard Strength, Deduct	-11.54	
For >1,000, Deduct	-8.40	
33 42 11 00-0326 LF 24" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	214.51	
For 3' Lengths, Add	45.24	
For 2' Lengths, Add	60.32	
For Standard Strength, Deduct	-15.08	
For >1,000, Deduct	-10.73	
33 42 11 00-0327 LF 30" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	265.40	
For 3' Lengths, Add	56.42	
For 2' Lengths, Add	75.22	
For Standard Strength, Deduct	-18.81	
For >1,000, Deduct	-13.27	
33 42 11 00-0328 LF 36" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	321.08	
For 3' Lengths, Add	68.15	
For 2' Lengths, Add	90.86	
For Standard Strength, Deduct	-22.72	
For >1,000, Deduct	-16.05	
<b>33 42 11 00-0329 Compression Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-0316)</b>		
Note: ASTM C425.		
33 42 11 00-0330 LF 4" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	27.83	
For 3' Lengths, Add	1.98	
For 2' Lengths, Add	2.64	
For Standard Strength, Deduct	-0.66	
For >1,000, Deduct	-1.39	
33 42 11 00-0331 LF 6" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	34.66	
For 3' Lengths, Add	3.23	
For 2' Lengths, Add	4.30	
For Standard Strength, Deduct	-1.08	
For >1,000, Deduct	-1.73	
33 42 11 00-0332 LF 8" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	41.74	
For 3' Lengths, Add	4.56	
For 2' Lengths, Add	6.08	
For Standard Strength, Deduct	-1.52	
For >1,000, Deduct	-2.09	
33 42 11 00-0333 LF 10" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	52.43	
For 3' Lengths, Add	7.49	
For 2' Lengths, Add	9.98	
For Standard Strength, Deduct	-2.50	
For >1,000, Deduct	-2.62	
33 42 11 00-0334 LF 12" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	62.75	
For 3' Lengths, Add	9.83	
For 2' Lengths, Add	13.11	
For Standard Strength, Deduct	-3.28	
For >1,000, Deduct	-3.14	
33 42 11 00-0335 LF 15" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	93.13	
For 3' Lengths, Add	17.93	
For 2' Lengths, Add	23.91	
For Standard Strength, Deduct	-5.98	
For >1,000, Deduct	-4.66	
33 42 11 00-0336 LF 18" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	129.10	
For 3' Lengths, Add	26.25	
For 2' Lengths, Add	35.00	
For Standard Strength, Deduct	-8.75	
For >1,000, Deduct	-6.46	
33 42 11 00-0337 LF 21" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	185.59	
For 3' Lengths, Add	39.94	
For 2' Lengths, Add	53.25	
For Standard Strength, Deduct	-13.31	
For >1,000, Deduct	-9.28	
33 42 11 00-0338 LF 24" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	242.44	
For 3' Lengths, Add	53.62	
For 2' Lengths, Add	71.50	
For Standard Strength, Deduct	-17.87	
For >1,000, Deduct	-12.12	
33 42 11 00-0339 LF 30" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	388.29	
For 3' Lengths, Add	93.28	
For 2' Lengths, Add	124.38	
For Standard Strength, Deduct	-31.09	
For >1,000, Deduct	-19.41	



	<b>Utilities</b>	<b>33</b>
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0340	LF		36" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	551.96	
			<i>For 3' Lengths, Add</i>	137.41	
			<i>For 2' Lengths, Add</i>	183.21	
			<i>For Standard Strength, Deduct</i>	-45.80	
			<i>For &gt;1,000, Deduct</i>	-27.60	
<b>33 42 11 00-0341</b>			<b>Extra Strength, Vitrified Clay Pipe Fittings</b> (33 42 11 00-0315)		
<b>33 42 11 00-0342</b>			<b>1/8 Bends, Extra Strength, Vitrified Clay</b> (33 42 11 00-0341)		
<b>33 42 11 00-0343</b>			<b>Plain End 1/8 Bend, Extra Strength, Vitrified Clay</b> (33 42 11 00-0342)		
33 42 11 00-0344	EA		4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	81.93	
33 42 11 00-0345	EA		6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	110.58	
33 42 11 00-0346	EA		8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	157.96	
33 42 11 00-0347	EA		10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	216.53	
33 42 11 00-0348	EA		12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	286.08	
33 42 11 00-0349	EA		15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	683.29	
33 42 11 00-0350	EA		18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	963.74	
33 42 11 00-0351	EA		21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,503.70	
33 42 11 00-0352	EA		24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,735.49	
33 42 11 00-0353	EA		30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	2,015.32	
33 42 11 00-0354	EA		36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	3,023.40	
<b>33 42 11 00-0355</b>			<b>Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay</b> (33 42 11 00-0342)		
33 42 11 00-0356	EA		4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	92.63	
33 42 11 00-0357	EA		6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	131.64	
33 42 11 00-0358	EA		8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	178.25	
33 42 11 00-0359	EA		10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	238.19	
33 42 11 00-0360	EA		12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	302.33	
33 42 11 00-0361	EA		15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	766.52	
33 42 11 00-0362	EA		18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,115.12	
33 42 11 00-0363	EA		21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,146.42	
33 42 11 00-0364	EA		24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,222.51	
33 42 11 00-0365	EA		30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,475.20	
33 42 11 00-0366	EA		36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	3,675.79	
<b>33 42 11 00-0367</b>			<b>1/4 Bends, Extra Strength, Vitrified Clay</b> (33 42 11 00-0341)		
<b>33 42 11 00-0368</b>			<b>Plain End 1/4 Bends, Extra Strength, Vitrified Clay</b> (33 42 11 00-0367)		
33 42 11 00-0369	EA		4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	95.94	
33 42 11 00-0370	EA		6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	127.47	
33 42 11 00-0371	EA		8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	177.71	
33 42 11 00-0372	EA		10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	237.81	
33 42 11 00-0373	EA		12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	310.06	
33 42 11 00-0374	EA		15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	709.96	
33 42 11 00-0375	EA		18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	997.02	
33 42 11 00-0376	EA		21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,545.67	
33 42 11 00-0377	EA		24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,786.45	
33 42 11 00-0378	EA		30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	2,078.87	
33 42 11 00-0379	EA		36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	3,094.04	
<b>33 42 11 00-0380</b>			<b>Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay</b> (33 42 11 00-0367)		
33 42 11 00-0381	EA		4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	109.44	
33 42 11 00-0382	EA		6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	151.90	
33 42 11 00-0383	EA		8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	201.95	
33 42 11 00-0384	EA		10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	263.73	
33 42 11 00-0385	EA		12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	331.11	
33 42 11 00-0386	EA		15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	798.53	
33 42 11 00-0387	EA		18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,155.05	
33 42 11 00-0388	EA		21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,240.50	
33 42 11 00-0389	EA		24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,283.66	
33 42 11 00-0390	EA		30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,551.46	
33 42 11 00-0391	EA		36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	3,760.56	
<b>33 42 11 00-0392</b>			<b>Wyes Or Tees, Extra Strength, Vitrified Clay</b> (33 42 11 00-0341)		
<b>33 42 11 00-0393</b>			<b>Plain End Wyes Or Tees, Extra Strength, Vitrified Clay</b> (33 42 11 00-0392)		
33 42 11 00-0394	EA		4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	105.53	
33 42 11 00-0395	EA		6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	137.67	
33 42 11 00-0396	EA		8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	186.89	
33 42 11 00-0397	EA		10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	245.96	
33 42 11 00-0398	EA		12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	310.86	
33 42 11 00-0399	EA		15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	717.25	
33 42 11 00-0400	EA		18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,003.59	
33 42 11 00-0401	EA		21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,449.86	
33 42 11 00-0402	EA		24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,017.38	
33 42 11 00-0403	EA		30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,135.41	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 11 00-0404	EA	36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	3,070.53	
<b>33 42 11 00-0405</b>		<b>Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay</b> <small>(33 42 11 00-0392)</small>		
33 42 11 00-0406	EA	4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	128.90	
33 42 11 00-0407	EA	6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	176.60	
33 42 11 00-0408	EA	8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	232.35	
33 42 11 00-0409	EA	10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	299.38	
33 42 11 00-0410	EA	12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	373.39	
33 42 11 00-0411	EA	15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	872.45	
33 42 11 00-0412	EA	18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	1,257.19	
33 42 11 00-0413	EA	21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	1,866.18	
33 42 11 00-0414	EA	24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	2,472.27	
33 42 11 00-0415	EA	30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	2,859.92	
33 42 11 00-0416	EA	36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee.....	4,059.19	
<b>33 42 11 00-0417</b>		<b>Vitrified Clay Couplings</b> <small>(33 42 11 00-0315)</small>		
<b>33 42 11 00-0418</b>		<b>Vitrified Clay To Cast Iron Or Plastic Pipe Couplings</b> <small>(33 42 11 00-0417)</small>		
		Note: Stainless steel tightening band at each end (Ferro #1002)		
33 42 11 00-0419	EA	4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	42.92	
33 42 11 00-0420	EA	4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	42.39	
33 42 11 00-0421	EA	5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	61.89	
33 42 11 00-0422	EA	5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	57.62	
33 42 11 00-0423	EA	6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	77.51	
33 42 11 00-0424	EA	6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	81.22	
33 42 11 00-0425	EA	6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	73.03	
33 42 11 00-0426	EA	8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	111.15	
33 42 11 00-0427	EA	8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	101.79	
33 42 11 00-0428	EA	10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	148.79	
33 42 11 00-0429	EA	10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	134.33	
33 42 11 00-0430	EA	12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	187.54	
33 42 11 00-0431	EA	12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	154.33	
33 42 11 00-0432	EA	15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	326.98	
33 42 11 00-0433	EA	15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	247.83	
<b>33 42 11 00-0434</b>		<b>Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings</b> <small>(33 42 11 00-0417)</small>		
		Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-0435	EA	4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	67.42	
33 42 11 00-0436	EA	6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	89.98	
33 42 11 00-0437	EA	6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	95.24	
33 42 11 00-0438	EA	8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	99.83	
33 42 11 00-0439	EA	10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	123.52	
33 42 11 00-0440	EA	12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	143.49	
<b>33 42 11 00-0441</b>		<b>Vitrified Clay To Plastic Pipe Non-Shear Couplings</b> <small>(33 42 11 00-0417)</small>		
		Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-0442	EA	4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	69.18	
33 42 11 00-0443	EA	6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	91.74	
33 42 11 00-0444	EA	6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	83.91	
33 42 11 00-0445	EA	8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	110.37	
33 42 11 00-0446	EA	10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	160.43	
33 42 11 00-0447	EA	12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	181.38	
<b>33 42 11 00-0448</b>		<b>Corrugated Metal Piping</b> <small>(33 42 11)</small>		
<b>33 42 11 00-0449</b>		<b>Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0448)</small>		
<b>33 42 11 00-0450</b>		<b>2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0449)</small>		
<b>33 42 11 00-0451</b>		<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0450)</small>		
33 42 11 00-0452	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	33.09	9.47
		For Bituminous Coated Pipe, Add	3.24	
		For Bituminous Coated And 25% Paved, Add	6.63	
		For Smooth-Flo, Add	11.85	
33 42 11 00-0453	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	37.25	9.93
		For Bituminous Coated Pipe, Add	4.08	
		For Bituminous Coated And 25% Paved, Add	8.35	
		For Smooth-Flo, Add	14.91	
33 42 11 00-0454	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	41.56	10.83
		For Bituminous Coated Pipe, Add	4.94	
		For Bituminous Coated And 25% Paved, Add	10.11	
		For Smooth-Flo, Add	18.06	
33 42 11 00-0455	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	47.24	11.73
		For Bituminous Coated Pipe, Add	5.91	
		For Bituminous Coated And 25% Paved, Add	12.10	
		For Smooth-Flo, Add	21.60	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0456	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	52.25	12.64
			<i>For Bituminous Coated Pipe, Add</i>	6.66	
			<i>For Bituminous Coated And 25% Paved, Add</i>	13.61	
			<i>For Smooth-Flo, Add</i>	24.31	
33 42 11 00-0457	LF		30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	69.00	16.24
			<i>For Bituminous Coated Pipe, Add</i>	8.63	
			<i>For Bituminous Coated And 25% Paved, Add</i>	17.66	
			<i>For Smooth-Flo, Add</i>	31.54	
33 42 11 00-0458	LF		36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	90.43	21.41
			<i>For Bituminous Coated Pipe, Add</i>	10.89	
			<i>For Bituminous Coated And 25% Paved, Add</i>	22.28	
			<i>For Smooth-Flo, Add</i>	39.79	
33 42 11 00-0459	LF		42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	102.80	25.31
			<i>For Bituminous Coated Pipe, Add</i>	12.89	
			<i>For Bituminous Coated And 25% Paved, Add</i>	26.36	
			<i>For Smooth-Flo, Add</i>	47.07	
33 42 11 00-0460	LF		48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	115.55	29.20
			<i>For Bituminous Coated Pipe, Add</i>	14.44	
			<i>For Bituminous Coated And 25% Paved, Add</i>	29.53	
			<i>For Smooth-Flo, Add</i>	52.73	
<b>33 42 11 00-0461</b>			<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping<sup>(33)</sup></b>		
			<small>42 11 00-0450)</small>		
33 42 11 00-0462	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	35.98	9.47
			<i>For Bituminous Coated Pipe, Add</i>	3.29	
			<i>For Bituminous Coated And 25% Paved, Add</i>	7.62	
			<i>For Smooth-Flo, Add</i>	15.41	
33 42 11 00-0463	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	40.81	9.93
			<i>For Bituminous Coated Pipe, Add</i>	4.13	
			<i>For Bituminous Coated And 25% Paved, Add</i>	9.56	
			<i>For Smooth-Flo, Add</i>	19.33	
33 42 11 00-0464	LF		18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	45.87	10.83
			<i>For Bituminous Coated Pipe, Add</i>	5.00	
			<i>For Bituminous Coated And 25% Paved, Add</i>	11.58	
			<i>For Smooth-Flo, Add</i>	23.40	
33 42 11 00-0465	LF		21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	52.22	11.73
			<i>For Bituminous Coated Pipe, Add</i>	5.94	
			<i>For Bituminous Coated And 25% Paved, Add</i>	13.77	
			<i>For Smooth-Flo, Add</i>	27.83	
33 42 11 00-0466	LF		24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	58.04	12.64
			<i>For Bituminous Coated Pipe, Add</i>	6.72	
			<i>For Bituminous Coated And 25% Paved, Add</i>	15.58	
			<i>For Smooth-Flo, Add</i>	31.49	
33 42 11 00-0467	LF		30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	76.07	16.24
			<i>For Bituminous Coated Pipe, Add</i>	8.64	
			<i>For Bituminous Coated And 25% Paved, Add</i>	20.01	
			<i>For Smooth-Flo, Add</i>	40.44	
33 42 11 00-0468	LF		36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	99.01	21.41
			<i>For Bituminous Coated Pipe, Add</i>	10.83	
			<i>For Bituminous Coated And 25% Paved, Add</i>	25.08	
			<i>For Smooth-Flo, Add</i>	50.70	
33 42 11 00-0469	LF		42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	112.63	25.31
			<i>For Bituminous Coated Pipe, Add</i>	12.74	
			<i>For Bituminous Coated And 25% Paved, Add</i>	29.52	
			<i>For Smooth-Flo, Add</i>	59.67	
33 42 11 00-0470	LF		48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	126.79	29.20
			<i>For Bituminous Coated Pipe, Add</i>	14.32	
			<i>For Bituminous Coated And 25% Paved, Add</i>	33.18	
			<i>For Smooth-Flo, Add</i>	67.06	
33 42 11 00-0471	LF		54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	151.32	33.09
			<i>For Bituminous Coated Pipe, Add</i>	17.61	
			<i>For Bituminous Coated And 25% Paved, Add</i>	40.80	
			<i>For Smooth-Flo, Add</i>	82.48	
<b>33 42 11 00-0472</b>			<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping<sup>(33)</sup></b>		
			<small>42 11 00-0450)</small>		
33 42 11 00-0473	LF		18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	54.79	10.83
			<i>For Bituminous Coated Pipe, Add</i>	5.72	
			<i>For Bituminous Coated And 25% Paved, Add</i>	10.33	
			<i>For Smooth-Flo, Add</i>	19.86	
33 42 11 00-0474	LF		21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	62.59	11.73
			<i>For Bituminous Coated Pipe, Add</i>	6.76	
			<i>For Bituminous Coated And 25% Paved, Add</i>	12.22	
			<i>For Smooth-Flo, Add</i>	23.48	
33 42 11 00-0475	LF		24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	69.86	11.73
			<i>For Bituminous Coated Pipe, Add</i>	7.67	
			<i>For Bituminous Coated And 25% Paved, Add</i>	13.85	
			<i>For Smooth-Flo, Add</i>	26.61	
33 42 11 00-0476	LF		30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	90.68	16.24
			<i>For Bituminous Coated Pipe, Add</i>	9.75	
			<i>For Bituminous Coated And 25% Paved, Add</i>	17.61	
			<i>For Smooth-Flo, Add</i>	33.84	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0477	LF	36"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	116.35	21.41
			<i>For Bituminous Coated Pipe, Add</i>	12.06	
			<i>For Bituminous Coated And 25% Paved, Add</i>	21.78	
			<i>For Smooth-Flo, Add</i>	41.85	
33 42 11 00-0478	LF	42"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	132.66	25.31
			<i>For Bituminous Coated Pipe, Add</i>	14.13	
			<i>For Bituminous Coated And 25% Paved, Add</i>	25.51	
			<i>For Smooth-Flo, Add</i>	49.03	
33 42 11 00-0479	LF	48"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	149.75	29.20
			<i>For Bituminous Coated Pipe, Add</i>	15.95	
			<i>For Bituminous Coated And 25% Paved, Add</i>	28.81	
			<i>For Smooth-Flo, Add</i>	55.37	
33 42 11 00-0480	LF	54"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	176.67	33.09
			<i>For Bituminous Coated Pipe, Add</i>	19.13	
			<i>For Bituminous Coated And 25% Paved, Add</i>	34.55	
			<i>For Smooth-Flo, Add</i>	66.40	
33 42 11 00-0481	LF	60"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	193.12	35.04
			<i>For Bituminous Coated Pipe, Add</i>	20.95	
			<i>For Bituminous Coated And 25% Paved, Add</i>	37.83	
			<i>For Smooth-Flo, Add</i>	72.71	
33 42 11 00-0482	LF	66"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	233.90	42.82
			<i>For Bituminous Coated Pipe, Add</i>	25.51	
			<i>For Bituminous Coated And 25% Paved, Add</i>	46.06	
			<i>For Smooth-Flo, Add</i>	88.52	
<b>33 42 11 00-0483</b>			<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping <sup>(33)</sup></b>		
			<small><sup>42 11 00-0460)</sup></small>		
33 42 11 00-0484	LF	36"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	132.57	21.41
			<i>For Bituminous Coated Pipe, Add</i>	15.34	
			<i>For Bituminous Coated And 25% Paved, Add</i>	25.62	
			<i>For Smooth-Flo, Add</i>	36.56	
33 42 11 00-0485	LF	42"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	151.65	25.31
			<i>For Bituminous Coated Pipe, Add</i>	17.97	
			<i>For Bituminous Coated And 25% Paved, Add</i>	30.02	
			<i>For Smooth-Flo, Add</i>	42.83	
33 42 11 00-0486	LF	48"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	171.30	29.20
			<i>For Bituminous Coated Pipe, Add</i>	20.31	
			<i>For Bituminous Coated And 25% Paved, Add</i>	33.93	
			<i>For Smooth-Flo, Add</i>	48.41	
33 42 11 00-0487	LF	54"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	200.80	33.09
			<i>For Bituminous Coated Pipe, Add</i>	24.05	
			<i>For Bituminous Coated And 25% Paved, Add</i>	40.18	
			<i>For Smooth-Flo, Add</i>	57.33	
33 42 11 00-0488	LF	60"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	219.98	35.04
			<i>For Bituminous Coated Pipe, Add</i>	26.42	
			<i>For Bituminous Coated And 25% Paved, Add</i>	44.13	
			<i>For Smooth-Flo, Add</i>	62.97	
33 42 11 00-0489	LF	66"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	263.42	42.82
			<i>For Bituminous Coated Pipe, Add</i>	31.60	
			<i>For Bituminous Coated And 25% Paved, Add</i>	52.79	
			<i>For Smooth-Flo, Add</i>	75.33	
33 42 11 00-0490	LF	72"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	316.67	62.29
			<i>For Bituminous Coated Pipe, Add</i>	33.93	
			<i>For Bituminous Coated And 25% Paved, Add</i>	56.68	
			<i>For Smooth-Flo, Add</i>	80.88	
<b>33 42 11 00-0491</b>			<b>3" x 1" Corrugation, Galvanized Corrugated Steel Piping <sup>(33 42 11 00-0449)</sup></b>		
<b>33 42 11 00-0492</b>			<b>16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <sup>(33 42 11 00-0491)</sup></b>		
33 42 11 00-0493	LF	36"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	105.31	21.41
			<i>For Bituminous Coated Pipe, Add</i>	11.98	
			<i>For Bituminous Coated And 25% Paved, Add</i>	27.19	
			<i>For Smooth-Flo, Add</i>	54.14	
33 42 11 00-0494	LF	42"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	119.87	25.31
			<i>For Bituminous Coated Pipe, Add</i>	14.06	
			<i>For Bituminous Coated And 25% Paved, Add</i>	31.93	
			<i>For Smooth-Flo, Add</i>	63.57	
33 42 11 00-0495	LF	48"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	134.77	29.20
			<i>For Bituminous Coated Pipe, Add</i>	15.77	
			<i>For Bituminous Coated And 25% Paved, Add</i>	35.81	
			<i>For Smooth-Flo, Add</i>	71.30	
33 42 11 00-0496	LF	54"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	160.47	33.09
			<i>For Bituminous Coated Pipe, Add</i>	19.27	
			<i>For Bituminous Coated And 25% Paved, Add</i>	43.74	
			<i>For Smooth-Flo, Add</i>	87.09	
33 42 11 00-0497	LF	60"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	174.84	35.04
			<i>For Bituminous Coated Pipe, Add</i>	20.99	
			<i>For Bituminous Coated And 25% Paved, Add</i>	47.65	
			<i>For Smooth-Flo, Add</i>	94.88	
33 42 11 00-0498	LF	66"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	218.68	42.82
			<i>For Bituminous Coated Pipe, Add</i>	26.96	
			<i>For Bituminous Coated And 25% Paved, Add</i>	61.21	
			<i>For Smooth-Flo, Add</i>	121.88	





<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0499 LF 72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	267.59 28.74 65.24 129.91	62.29
33 42 11 00-0500 LF 78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	288.89 30.53 69.29 137.98	68.13
33 42 11 00-0501 LF 84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	307.55 32.31 73.34 146.04	73.00
33 42 11 00-0502 LF 90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	326.23 34.10 77.41 154.13	77.86
33 42 11 00-0503 LF 96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	345.57 35.88 81.44 162.17	82.73
33 42 11 00-0504 LF 102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	367.67 37.68 85.52 170.30	87.60
<b>33 42 11 00-0505 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0491)</small>		
33 42 11 00-0506 LF 54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	175.66 22.31 43.72 88.33	33.09
33 42 11 00-0507 LF 60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	191.64 24.35 47.73 96.43	35.04
33 42 11 00-0508 LF 66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	237.16 30.66 60.09 121.41	42.82
33 42 11 00-0509 LF 72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	287.72 32.77 64.23 129.76	62.29
33 42 11 00-0510 LF 78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	310.63 34.87 68.35 138.10	68.13
33 42 11 00-0511 LF 84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	331.01 37.00 72.52 146.53	73.00
33 42 11 00-0512 LF 90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	351.28 39.11 76.66 154.88	77.86
33 42 11 00-0513 LF 96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	372.26 41.22 80.78 163.22	82.73
33 42 11 00-0514 LF 102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	395.98 43.34 84.94 171.62	87.60
33 42 11 00-0515 LF 108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	421.95 45.46 89.10 180.01	97.33
33 42 11 00-0516 LF 114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	447.33 47.54 93.17 188.25	107.06
<b>33 42 11 00-0517 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0491)</small>		
33 42 11 00-0518 LF 60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	228.90 31.80 60.59 98.75	35.04
33 42 11 00-0519 LF 66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	278.43 38.91 74.13 120.83	42.82

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0520	LF	72"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	332.59	62.29
			<i>For Bituminous Coated Pipe, Add</i>	41.74	
			<i>For Bituminous Coated And 25% Paved, Add</i>	79.52	
			<i>For Smooth-Flo, Add</i>	129.61	
33 42 11 00-0521	LF	78"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	359.14	68.13
			<i>For Bituminous Coated Pipe, Add</i>	44.58	
			<i>For Bituminous Coated And 25% Paved, Add</i>	84.92	
			<i>For Smooth-Flo, Add</i>	138.41	
33 42 11 00-0522	LF	84"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	383.12	73.00
			<i>For Bituminous Coated Pipe, Add</i>	47.42	
			<i>For Bituminous Coated And 25% Paved, Add</i>	90.34	
			<i>For Smooth-Flo, Add</i>	147.25	
33 42 11 00-0523	LF	90"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	407.02	77.86
			<i>For Bituminous Coated Pipe, Add</i>	50.26	
			<i>For Bituminous Coated And 25% Paved, Add</i>	95.74	
			<i>For Smooth-Flo, Add</i>	156.05	
33 42 11 00-0524	LF	96"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	431.68	82.73
			<i>For Bituminous Coated Pipe, Add</i>	53.10	
			<i>For Bituminous Coated And 25% Paved, Add</i>	101.16	
			<i>For Smooth-Flo, Add</i>	164.88	
33 42 11 00-0525	LF	102"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	459.03	87.60
			<i>For Bituminous Coated Pipe, Add</i>	55.95	
			<i>For Bituminous Coated And 25% Paved, Add</i>	106.58	
			<i>For Smooth-Flo, Add</i>	173.72	
33 42 11 00-0526	LF	108"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	488.57	97.33
			<i>For Bituminous Coated Pipe, Add</i>	58.78	
			<i>For Bituminous Coated And 25% Paved, Add</i>	111.98	
			<i>For Smooth-Flo, Add</i>	182.52	
33 42 11 00-0527	LF	114"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	517.62	107.06
			<i>For Bituminous Coated Pipe, Add</i>	61.60	
			<i>For Bituminous Coated And 25% Paved, Add</i>	117.34	
			<i>For Smooth-Flo, Add</i>	191.26	
33 42 11 00-0528	LF	120"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	545.60	116.80
			<i>For Bituminous Coated Pipe, Add</i>	64.44	
			<i>For Bituminous Coated And 25% Paved, Add</i>	122.77	
			<i>For Smooth-Flo, Add</i>	200.10	
33 42 11 00-0529			<b>10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping</b> (33 42 11 00- 0491)		
33 42 11 00-0530	LF	72"	10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	374.43	62.29
			<i>For Bituminous Coated Pipe, Add</i>	50.11	
			<i>For Bituminous Coated And 25% Paved, Add</i>	95.21	
			<i>For Smooth-Flo, Add</i>	127.28	
33 42 11 00-0531	LF	78"	10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	404.42	68.13
			<i>For Bituminous Coated Pipe, Add</i>	53.63	
			<i>For Bituminous Coated And 25% Paved, Add</i>	101.90	
			<i>For Smooth-Flo, Add</i>	136.23	
33 42 11 00-0532	LF	84"	10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	431.83	73.00
			<i>For Bituminous Coated Pipe, Add</i>	57.17	
			<i>For Bituminous Coated And 25% Paved, Add</i>	108.62	
			<i>For Smooth-Flo, Add</i>	145.20	
33 42 11 00-0533	LF	90"	10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	459.17	77.86
			<i>For Bituminous Coated Pipe, Add</i>	60.69	
			<i>For Bituminous Coated And 25% Paved, Add</i>	115.31	
			<i>For Smooth-Flo, Add</i>	154.15	
33 42 11 00-0534	LF	96"	10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	487.26	82.73
			<i>For Bituminous Coated Pipe, Add</i>	64.22	
			<i>For Bituminous Coated And 25% Paved, Add</i>	122.01	
			<i>For Smooth-Flo, Add</i>	163.11	
33 42 11 00-0535	LF	102"	10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	518.04	87.60
			<i>For Bituminous Coated Pipe, Add</i>	67.75	
			<i>For Bituminous Coated And 25% Paved, Add</i>	128.73	
			<i>For Smooth-Flo, Add</i>	172.09	
33 42 11 00-0536	LF	108"	10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	551.02	97.33
			<i>For Bituminous Coated Pipe, Add</i>	71.27	
			<i>For Bituminous Coated And 25% Paved, Add</i>	135.42	
			<i>For Smooth-Flo, Add</i>	181.03	
33 42 11 00-0537	LF	114"	10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	583.47	107.06
			<i>For Bituminous Coated Pipe, Add</i>	74.77	
			<i>For Bituminous Coated And 25% Paved, Add</i>	142.06	
			<i>For Smooth-Flo, Add</i>	189.91	
33 42 11 00-0538	LF	120"	10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	614.91	116.80
			<i>For Bituminous Coated Pipe, Add</i>	78.31	
			<i>For Bituminous Coated And 25% Paved, Add</i>	148.78	
			<i>For Smooth-Flo, Add</i>	198.90	
33 42 11 00-0539	LF	126"	10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	648.13	126.53
			<i>For Bituminous Coated Pipe, Add</i>	81.81	
			<i>For Bituminous Coated And 25% Paved, Add</i>	155.45	
			<i>For Smooth-Flo, Add</i>	207.81	
33 42 11 00-0540	LF	132"	10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	683.85	136.26
			<i>For Bituminous Coated Pipe, Add</i>	85.35	
			<i>For Bituminous Coated And 25% Paved, Add</i>	162.17	
			<i>For Smooth-Flo, Add</i>	216.79	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0541 LF 138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	722.54	146.00
For Bituminous Coated Pipe, Add	88.89	
For Bituminous Coated And 25% Paved, Add	168.89	
For Smooth-Flo, Add	225.78	
<b>33 42 11 00-0542 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0449)</b>		
<b>33 42 11 00-0543 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0542)</b>		
33 42 11 00-0544 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	135.21	29.20
For Bituminous Coated Pipe, Add	19.83	
For Bituminous Coated And 25% Paved, Add	45.21	
For Smooth-Flo, Add	71.78	
33 42 11 00-0545 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	161.32	33.09
For Bituminous Coated Pipe, Add	24.30	
For Bituminous Coated And 25% Paved, Add	55.40	
For Smooth-Flo, Add	87.96	
33 42 11 00-0546 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	175.58	35.04
For Bituminous Coated Pipe, Add	26.43	
For Bituminous Coated And 25% Paved, Add	60.25	
For Smooth-Flo, Add	95.66	
33 42 11 00-0547 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	216.93	42.82
For Bituminous Coated Pipe, Add	33.27	
For Bituminous Coated And 25% Paved, Add	75.85	
For Smooth-Flo, Add	120.43	
33 42 11 00-0548 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	265.63	62.29
For Bituminous Coated Pipe, Add	35.44	
For Bituminous Coated And 25% Paved, Add	80.80	
For Smooth-Flo, Add	128.28	
33 42 11 00-0549 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	286.67	68.13
For Bituminous Coated Pipe, Add	37.60	
For Bituminous Coated And 25% Paved, Add	85.73	
For Smooth-Flo, Add	136.12	
33 42 11 00-0550 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	305.02	73.00
For Bituminous Coated Pipe, Add	39.76	
For Bituminous Coated And 25% Paved, Add	90.64	
For Smooth-Flo, Add	143.91	
33 42 11 00-0551 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	323.34	77.86
For Bituminous Coated Pipe, Add	41.90	
For Bituminous Coated And 25% Paved, Add	95.54	
For Smooth-Flo, Add	151.69	
33 42 11 00-0552 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	342.51	82.73
For Bituminous Coated Pipe, Add	44.08	
For Bituminous Coated And 25% Paved, Add	100.51	
For Smooth-Flo, Add	159.58	
33 42 11 00-0553 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	364.54	87.60
For Bituminous Coated Pipe, Add	46.31	
For Bituminous Coated And 25% Paved, Add	105.59	
For Smooth-Flo, Add	167.65	
<b>33 42 11 00-0554 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0542)</b>		
33 42 11 00-0555 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	180.30	33.09
For Bituminous Coated Pipe, Add	23.23	
For Bituminous Coated And 25% Paved, Add	54.60	
For Smooth-Flo, Add	98.86	
33 42 11 00-0556 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	196.69	35.04
For Bituminous Coated Pipe, Add	25.36	
For Bituminous Coated And 25% Paved, Add	59.60	
For Smooth-Flo, Add	107.92	
33 42 11 00-0557 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	239.96	42.82
For Bituminous Coated Pipe, Add	31.22	
For Bituminous Coated And 25% Paved, Add	73.37	
For Smooth-Flo, Add	132.84	
33 42 11 00-0558 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	290.51	62.29
For Bituminous Coated Pipe, Add	33.33	
For Bituminous Coated And 25% Paved, Add	78.32	
For Smooth-Flo, Add	141.80	
33 42 11 00-0559 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	313.80	68.13
For Bituminous Coated Pipe, Add	35.51	
For Bituminous Coated And 25% Paved, Add	83.44	
For Smooth-Flo, Add	151.09	
33 42 11 00-0560 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	334.28	73.00
For Bituminous Coated Pipe, Add	37.66	
For Bituminous Coated And 25% Paved, Add	88.49	
For Smooth-Flo, Add	160.23	
33 42 11 00-0561 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	353.63	77.86
For Bituminous Coated Pipe, Add	39.58	
For Bituminous Coated And 25% Paved, Add	93.01	
For Smooth-Flo, Add	168.41	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0562	LF		96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	375.87	82.73
			<i>For Bituminous Coated Pipe, Add</i>	41.94	
			<i>For Bituminous Coated And 25% Paved, Add</i>	98.55	
			<i>For Smooth-Flo, Add</i>	178.45	
33 42 11 00-0563	LF		102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	399.68	87.60
			<i>For Bituminous Coated Pipe, Add</i>	44.08	
			<i>For Bituminous Coated And 25% Paved, Add</i>	103.58	
			<i>For Smooth-Flo, Add</i>	187.55	
33 42 11 00-0564	LF		108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	425.66	97.33
			<i>For Bituminous Coated Pipe, Add</i>	46.20	
			<i>For Bituminous Coated And 25% Paved, Add</i>	108.57	
			<i>For Smooth-Flo, Add</i>	196.58	
33 42 11 00-0565	LF		114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	451.51	107.06
			<i>For Bituminous Coated Pipe, Add</i>	48.37	
			<i>For Bituminous Coated And 25% Paved, Add</i>	113.68	
			<i>For Smooth-Flo, Add</i>	205.83	
<b>33 42 11 00-0566</b>			<b>12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel</b>		
			<b>Piping</b> <small>(33 42 11 00-0542)</small>		
33 42 11 00-0567	LF		60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	236.21	35.04
			<i>For Bituminous Coated Pipe, Add</i>	33.27	
			<i>For Bituminous Coated And 25% Paved, Add</i>	63.21	
			<i>For Smooth-Flo, Add</i>	114.10	
33 42 11 00-0568	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	283.48	42.82
			<i>For Bituminous Coated Pipe, Add</i>	39.92	
			<i>For Bituminous Coated And 25% Paved, Add</i>	75.86	
			<i>For Smooth-Flo, Add</i>	136.94	
33 42 11 00-0569	LF		72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	338.18	62.29
			<i>For Bituminous Coated Pipe, Add</i>	42.86	
			<i>For Bituminous Coated And 25% Paved, Add</i>	81.43	
			<i>For Smooth-Flo, Add</i>	147.01	
33 42 11 00-0570	LF		78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	365.13	68.13
			<i>For Bituminous Coated Pipe, Add</i>	45.77	
			<i>For Bituminous Coated And 25% Paved, Add</i>	86.97	
			<i>For Smooth-Flo, Add</i>	157.00	
33 42 11 00-0571	LF		84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	389.32	73.00
			<i>For Bituminous Coated Pipe, Add</i>	48.66	
			<i>For Bituminous Coated And 25% Paved, Add</i>	92.46	
			<i>For Smooth-Flo, Add</i>	166.92	
33 42 11 00-0572	LF		90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	413.69	77.86
			<i>For Bituminous Coated Pipe, Add</i>	51.59	
			<i>For Bituminous Coated And 25% Paved, Add</i>	98.02	
			<i>For Smooth-Flo, Add</i>	176.96	
33 42 11 00-0573	LF		96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	438.68	82.73
			<i>For Bituminous Coated Pipe, Add</i>	54.50	
			<i>For Bituminous Coated And 25% Paved, Add</i>	103.55	
			<i>For Smooth-Flo, Add</i>	186.94	
33 42 11 00-0574	LF		102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	466.30	87.60
			<i>For Bituminous Coated Pipe, Add</i>	57.40	
			<i>For Bituminous Coated And 25% Paved, Add</i>	109.06	
			<i>For Smooth-Flo, Add</i>	196.89	
33 42 11 00-0575	LF		108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	496.31	97.33
			<i>For Bituminous Coated Pipe, Add</i>	60.33	
			<i>For Bituminous Coated And 25% Paved, Add</i>	114.63	
			<i>For Smooth-Flo, Add</i>	206.93	
33 42 11 00-0576	LF		114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	525.84	107.06
			<i>For Bituminous Coated Pipe, Add</i>	63.24	
			<i>For Bituminous Coated And 25% Paved, Add</i>	120.16	
			<i>For Smooth-Flo, Add</i>	216.91	
33 42 11 00-0577	LF		120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	554.12	116.80
			<i>For Bituminous Coated Pipe, Add</i>	66.15	
			<i>For Bituminous Coated And 25% Paved, Add</i>	125.68	
			<i>For Smooth-Flo, Add</i>	226.89	
<b>33 42 11 00-0578</b>			<b>10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel</b>		
			<b>Piping</b> <small>(33 42 11 00-0542)</small>		
33 42 11 00-0579	LF		72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	383.83	62.29
			<i>For Bituminous Coated Pipe, Add</i>	51.99	
			<i>For Bituminous Coated And 25% Paved, Add</i>	98.78	
			<i>For Smooth-Flo, Add</i>	155.19	
33 42 11 00-0580	LF		78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	415.02	68.13
			<i>For Bituminous Coated Pipe, Add</i>	55.75	
			<i>For Bituminous Coated And 25% Paved, Add</i>	105.93	
			<i>For Smooth-Flo, Add</i>	166.42	
33 42 11 00-0581	LF		84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	443.18	73.00
			<i>For Bituminous Coated Pipe, Add</i>	59.44	
			<i>For Bituminous Coated And 25% Paved, Add</i>	112.93	
			<i>For Smooth-Flo, Add</i>	177.42	
33 42 11 00-0582	LF		90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	471.15	77.86
			<i>For Bituminous Coated Pipe, Add</i>	63.08	
			<i>For Bituminous Coated And 25% Paved, Add</i>	119.86	
			<i>For Smooth-Flo, Add</i>	188.31	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0583 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	500.05	82.73
For Bituminous Coated Pipe, Add	66.77	
For Bituminous Coated And 25% Paved, Add	126.87	
For Smooth-Flo, Add	199.32	
33 42 11 00-0584 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	531.44	87.60
For Bituminous Coated Pipe, Add	70.43	
For Bituminous Coated And 25% Paved, Add	133.82	
For Smooth-Flo, Add	210.23	
33 42 11 00-0585 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	565.22	97.33
For Bituminous Coated Pipe, Add	74.11	
For Bituminous Coated And 25% Paved, Add	140.81	
For Smooth-Flo, Add	221.22	
33 42 11 00-0586 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	598.58	107.06
For Bituminous Coated Pipe, Add	77.79	
For Bituminous Coated And 25% Paved, Add	147.80	
For Smooth-Flo, Add	232.20	
33 42 11 00-0587 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	630.60	116.80
For Bituminous Coated Pipe, Add	81.44	
For Bituminous Coated And 25% Paved, Add	154.74	
For Smooth-Flo, Add	243.11	
33 42 11 00-0588 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	670.42	126.53
For Bituminous Coated Pipe, Add	86.27	
For Bituminous Coated And 25% Paved, Add	163.92	
For Smooth-Flo, Add	257.52	
33 42 11 00-0589 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	708.35	136.26
For Bituminous Coated Pipe, Add	90.25	
For Bituminous Coated And 25% Paved, Add	171.48	
For Smooth-Flo, Add	269.40	
33 42 11 00-0590 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	750.01	146.00
For Bituminous Coated Pipe, Add	94.38	
For Bituminous Coated And 25% Paved, Add	179.33	
For Smooth-Flo, Add	281.74	
<b>33 42 11 00-0591 Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0449)</b>		
<b>33 42 11 00-0592 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0591)</b>		
33 42 11 00-0593 LF 18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	47.35	10.83
For Bituminous Coated Pipe, Add	6.11	
33 42 11 00-0594 LF 21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	54.04	11.73
For Bituminous Coated Pipe, Add	7.28	
33 42 11 00-0595 LF 24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	60.23	12.64
For Bituminous Coated Pipe, Add	8.27	
33 42 11 00-0596 LF 30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	79.03	16.24
For Bituminous Coated Pipe, Add	10.65	
33 42 11 00-0597 LF 36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	102.71	21.41
For Bituminous Coated Pipe, Add	13.35	
33 42 11 00-0598 LF 42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	117.11	25.31
For Bituminous Coated Pipe, Add	15.74	
33 42 11 00-0599 LF 48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	131.94	29.20
For Bituminous Coated Pipe, Add	17.72	
33 42 11 00-0600 LF 54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	157.28	33.09
For Bituminous Coated Pipe, Add	21.70	
33 42 11 00-0601 LF 60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	171.58	35.04
For Bituminous Coated Pipe, Add	23.70	
<b>33 42 11 00-0602 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0591)</b>		
33 42 11 00-0603 LF 18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	51.73	10.83
For Bituminous Coated Pipe, Add	7.07	
33 42 11 00-0604 LF 21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	59.16	11.73
For Bituminous Coated Pipe, Add	8.40	
33 42 11 00-0605 LF 24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	66.05	12.64
For Bituminous Coated Pipe, Add	9.54	
33 42 11 00-0606 LF 30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	86.27	16.24
For Bituminous Coated Pipe, Add	12.23	
33 42 11 00-0607 LF 36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	111.43	21.41
For Bituminous Coated Pipe, Add	15.25	
33 42 11 00-0608 LF 42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	127.31	25.31
For Bituminous Coated Pipe, Add	17.96	
33 42 11 00-0609 LF 48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	143.59	29.20
For Bituminous Coated Pipe, Add	20.26	
33 42 11 00-0610 LF 54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	170.37	33.09
For Bituminous Coated Pipe, Add	24.54	
33 42 11 00-0611 LF 60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	186.15	35.04
For Bituminous Coated Pipe, Add	26.86	
33 42 11 00-0612 LF 66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	228.31	42.82
For Bituminous Coated Pipe, Add	33.37	
33 42 11 00-0613 LF 72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	278.22	62.29
For Bituminous Coated Pipe, Add	35.65	
33 42 11 00-0614 LF 78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	300.67	68.13
For Bituminous Coated Pipe, Add	37.98	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0615			<b>12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping</b> (33 42 11 00-0591)		
33 42 11 00-0616	LF	30"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	100.95	16.24
			<i>For Bituminous Coated Pipe, Add</i>	12.78	
33 42 11 00-0617	LF	36"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	128.97	21.41
			<i>For Bituminous Coated Pipe, Add</i>	15.79	
33 42 11 00-0618	LF	42"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	147.85	25.31
			<i>For Bituminous Coated Pipe, Add</i>	18.58	
33 42 11 00-0619	LF	48"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	167.02	29.20
			<i>For Bituminous Coated Pipe, Add</i>	21.00	
33 42 11 00-0620	LF	54"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	196.76	33.09
			<i>For Bituminous Coated Pipe, Add</i>	25.07	
33 42 11 00-0621	LF	60"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	215.51	35.04
			<i>For Bituminous Coated Pipe, Add</i>	27.52	
33 42 11 00-0622	LF	66"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	260.52	42.82
			<i>For Bituminous Coated Pipe, Add</i>	33.39	
33 42 11 00-0623	LF	72"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	313.34	62.29
			<i>For Bituminous Coated Pipe, Add</i>	35.81	
33 42 11 00-0624	LF	78"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	338.68	68.13
			<i>For Bituminous Coated Pipe, Add</i>	38.26	
33 42 11 00-0625	LF	84"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	361.31	73.00
			<i>For Bituminous Coated Pipe, Add</i>	40.69	
33 42 11 00-0626	LF	90"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	383.90	77.86
			<i>For Bituminous Coated Pipe, Add</i>	43.12	
33 42 11 00-0627	LF	96"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	407.21	82.73
			<i>For Bituminous Coated Pipe, Add</i>	45.55	
33 42 11 00-0628	LF	102"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	431.76	87.60
			<i>For Bituminous Coated Pipe, Add</i>	47.72	
33 42 11 00-0629			<b>1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping</b> (33 42 11 00-0449)		
33 42 11 00-0630			<b>1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping</b> (33 42 11 00-0629)		
33 42 11 00-0631	LF	6"	18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	17.20	5.41
			<i>For Bituminous Coated Pipe, Add</i>	1.56	
33 42 11 00-0632	LF	6"	16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	18.51	5.41
			<i>For Bituminous Coated Pipe, Add</i>	1.88	
33 42 11 00-0633	LF	8"	18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	21.55	6.77
			<i>For Bituminous Coated Pipe, Add</i>	2.07	
33 42 11 00-0634	LF	8"	16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	23.21	6.77
			<i>For Bituminous Coated Pipe, Add</i>	2.47	
33 42 11 00-0635	LF	10"	18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	27.25	8.12
			<i>For Bituminous Coated Pipe, Add</i>	2.59	
33 42 11 00-0636	LF	10"	16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	29.35	8.12
			<i>For Bituminous Coated Pipe, Add</i>	3.11	
33 42 11 00-0637			<b>Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping</b> (33 42 11 00-0629)		
33 42 11 00-0638	LF	6"	18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	17.38	5.41
			<i>For Bituminous Coated Pipe, Add</i>	1.54	
33 42 11 00-0639	LF	6"	16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	18.65	5.41
			<i>For Bituminous Coated Pipe, Add</i>	1.84	
33 42 11 00-0640	LF	8"	18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	21.73	6.77
			<i>For Bituminous Coated Pipe, Add</i>	2.02	
33 42 11 00-0641	LF	8"	16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	23.49	6.77
			<i>For Bituminous Coated Pipe, Add</i>	2.44	
33 42 11 00-0642	LF	10"	18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	27.57	8.12
			<i>For Bituminous Coated Pipe, Add</i>	2.56	
33 42 11 00-0643	LF	10"	16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	29.72	8.12
			<i>For Bituminous Coated Pipe, Add</i>	3.07	
33 42 11 00-0644			<b>1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings</b> (33 42 11 00-0629)		
33 42 11 00-0645	EA	6"	18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	9.64	
			<i>For Bituminous Coated Pipe, Add</i>	2.17	
33 42 11 00-0646	EA	8"	18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	12.76	
			<i>For Bituminous Coated Pipe, Add</i>	2.87	
33 42 11 00-0647	EA	10"	18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	15.65	
			<i>For Bituminous Coated Pipe, Add</i>	3.52	
33 42 11 00-0648	EA	6"	18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	34.78	
			<i>For Bituminous Coated Pipe, Add</i>	4.80	
33 42 11 00-0649	EA	6"	End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	8.15	
			<i>For Bituminous Coated Pipe, Add</i>	1.09	
33 42 11 00-0650	EA	8"	End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	10.26	
			<i>For Bituminous Coated Pipe, Add</i>	1.64	
33 42 11 00-0651			<b>2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping</b> (33 42 11 00-0449)		
33 42 11 00-0652			<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping</b> (33 42 11 00-0651)		
33 42 11 00-0653	LF	12"	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	52.23	9.47
33 42 11 00-0654	LF	15"	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	61.37	9.93



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		33 42 11 00-0655 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	70.82	10.83
		33 42 11 00-0656 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	82.20	11.73
		33 42 11 00-0657 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	91.65	12.64
		33 42 11 00-0658 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	120.03	16.24
		33 42 11 00-0659 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	154.87	21.41
		33 42 11 00-0660 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	179.02	25.31
		33 42 11 00-0661 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	200.95	29.20
<b>33 42 11 00-0662</b>		<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <sup>(33 42 11 00-0651)</sup></b>		
		33 42 11 00-0663 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	59.27	9.47
		33 42 11 00-0664 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	70.10	9.93
		33 42 11 00-0665 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	81.27	10.83
		33 42 11 00-0666 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	94.30	11.73
		33 42 11 00-0667 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	105.70	12.64
		33 42 11 00-0668 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	137.28	16.24
		33 42 11 00-0669 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	175.70	21.41
		33 42 11 00-0670 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	202.93	25.31
		33 42 11 00-0671 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	228.23	29.20
		33 42 11 00-0672 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	276.09	33.09
<b>33 42 11 00-0673</b>		<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <sup>(33 42 11 00-0651)</sup></b>		
		33 42 11 00-0674 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	103.05	10.83
		33 42 11 00-0675 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	119.73	11.73
		33 42 11 00-0676 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	134.62	12.64
		33 42 11 00-0677 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	173.41	16.24
		33 42 11 00-0678 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	210.19	21.41
		33 42 11 00-0679 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	253.46	25.31
		33 42 11 00-0680 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	285.90	29.20
		33 42 11 00-0681 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	341.89	33.09
		33 42 11 00-0682 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	373.57	35.04
		33 42 11 00-0683 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	457.40	42.82
<b>33 42 11 00-0684</b>		<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <sup>(33 42 11 00-0651)</sup></b>		
		33 42 11 00-0685 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	258.65	21.41
		33 42 11 00-0686 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	299.50	25.31
		33 42 11 00-0687 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	338.19	29.20
		33 42 11 00-0688 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	400.47	33.09
		33 42 11 00-0689 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	438.79	35.04
		33 42 11 00-0690 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	529.02	42.82
		33 42 11 00-0691 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	601.16	62.29
<b>33 42 11 00-0692</b>		<b>3" x 1" Corrugation, Polymeric Corrugated Steel Piping <sup>(33 42 11 00-0449)</sup></b>		
<b>33 42 11 00-0693</b>		<b>16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping <sup>(33 42 11 00-0692)</sup></b>		
		33 42 11 00-0694 LF 36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	194.86	21.41
		33 42 11 00-0695 LF 42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	225.13	25.31
		33 42 11 00-0696 LF 48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	252.65	29.20
		33 42 11 00-0697 LF 54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	305.49	33.09
		33 42 11 00-0698 LF 60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	332.63	35.04
		33 42 11 00-0699 LF 66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	423.12	42.82
		33 42 11 00-0700 LF 72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	485.23	62.29
		33 42 11 00-0701 LF 78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	519.68	68.13
		33 42 11 00-0702 LF 84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	551.57	73.00
		33 42 11 00-0703 LF 90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	583.47	77.86
		33 42 11 00-0704 LF 96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	616.00	82.73
		33 42 11 00-0705 LF 102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	651.37	87.60
<b>33 42 11 00-0706</b>		<b>14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping <sup>(33 42 11 00-0692)</sup></b>		
		33 42 11 00-0707 LF 54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	343.15	33.09
		33 42 11 00-0708 LF 60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	374.26	35.04
		33 42 11 00-0709 LF 66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	468.98	42.82
		33 42 11 00-0710 LF 72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	535.10	62.29
		33 42 11 00-0711 LF 78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	573.62	68.13
		33 42 11 00-0712 LF 84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	609.74	73.00
		33 42 11 00-0713 LF 90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	645.60	77.86
		33 42 11 00-0714 LF 96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	682.16	82.73
		33 42 11 00-0715 LF 102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	721.65	87.60
		33 42 11 00-0716 LF 108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	763.28	97.33
		33 42 11 00-0717 LF 114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	804.05	107.06
<b>33 42 11 00-0718</b>		<b>12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping <sup>(33 42 11 00-0692)</sup></b>		
		33 42 11 00-0719 LF 60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	468.96	35.04
		33 42 11 00-0720 LF 66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	574.33	42.82

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0721 LF 72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	649.59	62.29
33 42 11 00-0722 LF 78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	697.29	68.13
33 42 11 00-0723 LF 84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	742.54	73.00
33 42 11 00-0724 LF 90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	787.60	77.86
33 42 11 00-0725 LF 96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	833.42	82.73
33 42 11 00-0726 LF 102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	882.02	87.60
33 42 11 00-0727 LF 108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	932.72	97.33
33 42 11 00-0728 LF 114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	982.80	107.06
33 42 11 00-0729 LF 120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,032.04	116.80
<b>33 42 11 00-0730 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0692)</b>		
33 42 11 00-0731 LF 72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	753.92	62.29
33 42 11 00-0732 LF 78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	810.12	68.13
33 42 11 00-0733 LF 84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	863.94	73.00
33 42 11 00-0734 LF 90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	917.53	77.86
33 42 11 00-0735 LF 96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	971.94	82.73
33 42 11 00-0736 LF 102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,029.10	87.60
33 42 11 00-0737 LF 108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,088.37	97.33
33 42 11 00-0738 LF 114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,146.96	107.06
33 42 11 00-0739 LF 120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,204.77	116.80
33 42 11 00-0740 LF 126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,264.19	126.53
33 42 11 00-0741 LF 132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,326.29	136.26
33 42 11 00-0742 LF 138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,391.37	146.00
<b>33 42 11 00-0743 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0449)</b>		
<b>33 42 11 00-0744 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0743)</b>		
33 42 11 00-0745 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	244.53	29.20
33 42 11 00-0746 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	296.55	33.09
33 42 11 00-0747 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	322.39	35.04
33 42 11 00-0748 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	404.10	42.82
33 42 11 00-0749 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	464.64	62.29
33 42 11 00-0750 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	497.47	68.13
33 42 11 00-0751 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	527.53	73.00
33 42 11 00-0752 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	557.49	77.86
33 42 11 00-0753 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	588.49	82.73
33 42 11 00-0754 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	622.73	87.60
<b>33 42 11 00-0755 14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0743)</b>		
33 42 11 00-0756 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	341.28	33.09
33 42 11 00-0757 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	372.21	35.04
33 42 11 00-0758 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	458.43	42.82
33 42 11 00-0759 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	523.36	62.29
33 42 11 00-0760 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	561.49	68.13
33 42 11 00-0761 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	596.53	73.00
33 42 11 00-0762 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	628.99	77.86
33 42 11 00-0763 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	667.24	82.73
33 42 11 00-0764 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	705.65	87.60
33 42 11 00-0765 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	746.01	97.33
33 42 11 00-0766 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	786.66	107.06
<b>33 42 11 00-0767 12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0743)</b>		
33 42 11 00-0768 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	472.07	35.04
33 42 11 00-0769 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	568.91	42.82
33 42 11 00-0770 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	644.27	62.29
33 42 11 00-0771 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	691.58	68.13
33 42 11 00-0772 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	735.98	73.00
33 42 11 00-0773 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	780.92	77.86
33 42 11 00-0774 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	826.30	82.73
33 42 11 00-0775 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	874.21	87.60
33 42 11 00-0776 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	924.76	97.33
33 42 11 00-0777 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	974.68	107.06
33 42 11 00-0778 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	1,023.32	116.80
<b>33 42 11 00-0779 10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0743)</b>		
33 42 11 00-0780 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	753.87	62.29
33 42 11 00-0781 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	811.38	68.13
33 42 11 00-0782 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	865.38	73.00
33 42 11 00-0783 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	918.93	77.86
33 42 11 00-0784 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	973.60	82.73
33 42 11 00-0785 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	1,030.67	87.60





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0786 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,090.20	97.33
33 42 11 00-0787 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,149.31	107.06
33 42 11 00-0788 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,206.99	116.80
33 42 11 00-0789 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,280.60	126.53
33 42 11 00-0790 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,346.45	136.26
33 42 11 00-0791 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,417.05	146.00
<b>33 42 11 00-0792 Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0468)</small></b>		
<b>33 42 11 00-0793 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0792)</small></b>		
<b>33 42 11 00-0794 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0793)</small></b>		
33 42 11 00-0795 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	38.22	9.93
<i>For Bituminous Coated Pipe, Add</i>	4.44	
<i>For Bituminous Coated And 25% Paved, Add</i>	10.74	
<i>For Smooth-Flo, Add</i>	17.72	
33 42 11 00-0796 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	42.44	10.83
<i>For Bituminous Coated Pipe, Add</i>	5.31	
<i>For Bituminous Coated And 25% Paved, Add</i>	12.83	
<i>For Smooth-Flo, Add</i>	21.16	
33 42 11 00-0797 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	48.45	11.73
<i>For Bituminous Coated Pipe, Add</i>	6.39	
<i>For Bituminous Coated And 25% Paved, Add</i>	15.44	
<i>For Smooth-Flo, Add</i>	25.47	
33 42 11 00-0798 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	54.31	12.64
<i>For Bituminous Coated Pipe, Add</i>	7.36	
<i>For Bituminous Coated And 25% Paved, Add</i>	17.80	
<i>For Smooth-Flo, Add</i>	29.35	
33 42 11 00-0799 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	70.85	16.24
<i>For Bituminous Coated Pipe, Add</i>	9.34	
<i>For Bituminous Coated And 25% Paved, Add</i>	22.59	
<i>For Smooth-Flo, Add</i>	37.27	
33 42 11 00-0800 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	93.83	21.41
<i>For Bituminous Coated Pipe, Add</i>	12.05	
<i>For Bituminous Coated And 25% Paved, Add</i>	29.14	
<i>For Smooth-Flo, Add</i>	48.07	
<b>33 42 11 00-0801 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0793)</small></b>		
33 42 11 00-0802 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	41.82	9.93
<i>For Bituminous Coated Pipe, Add</i>	4.61	
<i>For Bituminous Coated And 25% Paved, Add</i>	10.78	
<i>For Smooth-Flo, Add</i>	17.69	
33 42 11 00-0803 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	46.85	10.83
<i>For Bituminous Coated Pipe, Add</i>	5.53	
<i>For Bituminous Coated And 25% Paved, Add</i>	12.94	
<i>For Smooth-Flo, Add</i>	21.22	
33 42 11 00-0804 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	53.37	11.73
<i>For Bituminous Coated Pipe, Add</i>	6.57	
<i>For Bituminous Coated And 25% Paved, Add</i>	15.38	
<i>For Smooth-Flo, Add</i>	25.22	
33 42 11 00-0805 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	60.00	12.64
<i>For Bituminous Coated Pipe, Add</i>	7.58	
<i>For Bituminous Coated And 25% Paved, Add</i>	17.73	
<i>For Smooth-Flo, Add</i>	29.08	
33 42 11 00-0806 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	77.96	16.24
<i>For Bituminous Coated Pipe, Add</i>	9.60	
<i>For Bituminous Coated And 25% Paved, Add</i>	22.45	
<i>For Smooth-Flo, Add</i>	36.83	
33 42 11 00-0807 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	102.28	21.41
<i>For Bituminous Coated Pipe, Add</i>	12.22	
<i>For Bituminous Coated And 25% Paved, Add</i>	28.60	
<i>For Smooth-Flo, Add</i>	46.91	
33 42 11 00-0808 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	117.28	25.31
<i>For Bituminous Coated Pipe, Add</i>	14.56	
<i>For Bituminous Coated And 25% Paved, Add</i>	34.07	
<i>For Smooth-Flo, Add</i>	55.88	
<b>33 42 11 00-0809 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0793)</small></b>		
33 42 11 00-0810 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	61.15	11.68
<i>For Bituminous Coated Pipe, Add</i>	5.98	
<i>For Bituminous Coated And 25% Paved, Add</i>	13.31	
<i>For Smooth-Flo, Add</i>	20.47	
33 42 11 00-0811 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	69.69	12.65
<i>For Bituminous Coated Pipe, Add</i>	7.09	
<i>For Bituminous Coated And 25% Paved, Add</i>	15.79	
<i>For Smooth-Flo, Add</i>	24.27	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0812	LF		28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	78.17 8.14 18.11 27.84	13.62
33 42 11 00-0813	LF		35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	101.13 10.24 22.80 35.05	17.52
33 42 11 00-0814	LF		42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	119.51 12.82 28.52 43.86	21.41
33 42 11 00-0815	LF		49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	137.17 15.16 33.73 51.87	25.31
33 42 11 00-0816	LF		57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	159.82 17.98 40.01 61.52	29.20
33 42 11 00-0817	LF		64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	178.89 19.85 44.18 67.94	33.09
<b>33 42 11 00-0818</b>			<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0793)</small>		
33 42 11 00-0819	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	135.74 15.44 32.52 41.01	21.41
33 42 11 00-0820	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	156.09 18.22 38.35 48.37	25.31
33 42 11 00-0821	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	181.26 21.44 45.13 56.91	29.20
33 42 11 00-0822	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	203.12 23.77 50.04 63.10	33.09
33 42 11 00-0823	LF		71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	222.47 26.09 54.93 69.28	35.04
<b>33 42 11 00-0824</b>			<b>3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0792)</small>		
<b>33 42 11 00-0825</b>			<b>14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0824)</small>		
33 42 11 00-0826	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	178.65 22.90 69.63 77.87	33.09
33 42 11 00-0827	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	195.21 25.07 76.20 85.22	35.04
33 42 11 00-0828	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	241.27 31.48 95.71 107.04	42.82
33 42 11 00-0829	LF		81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	292.63 33.75 102.60 114.75	62.29
33 42 11 00-0830	LF		87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	316.93 36.13 109.85 122.86	68.13
33 42 11 00-0831	LF		95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	338.65 38.53 117.13 131.00	73.00
33 42 11 00-0832	LF		103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	360.30 40.91 124.38 139.11	77.86
33 42 11 00-0833	LF		112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	382.63 43.29 131.60 147.19	82.73



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 11 00-0834</b> 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0824)</small>		
33 42 11 00-0835 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	232.51	35.04
For Bituminous Coated Pipe, Add	32.53	
For Bituminous Coated And 25% Paved, Add	85.22	
For Smooth-Flo, Add	100.83	
33 42 11 00-0836 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	282.64	42.82
For Bituminous Coated Pipe, Add	39.76	
For Bituminous Coated And 25% Paved, Add	104.16	
For Smooth-Flo, Add	123.24	
33 42 11 00-0837 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	337.67	62.29
For Bituminous Coated Pipe, Add	42.76	
For Bituminous Coated And 25% Paved, Add	112.03	
For Smooth-Flo, Add	132.55	
33 42 11 00-0838 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	365.61	68.13
For Bituminous Coated Pipe, Add	45.87	
For Bituminous Coated And 25% Paved, Add	120.18	
For Smooth-Flo, Add	142.20	
33 42 11 00-0839 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	390.97	73.00
For Bituminous Coated Pipe, Add	48.99	
For Bituminous Coated And 25% Paved, Add	128.36	
For Smooth-Flo, Add	151.88	
33 42 11 00-0840 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	416.28	77.86
For Bituminous Coated Pipe, Add	52.11	
For Bituminous Coated And 25% Paved, Add	136.53	
For Smooth-Flo, Add	161.54	
33 42 11 00-0841 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	442.25	82.73
For Bituminous Coated Pipe, Add	55.21	
For Bituminous Coated And 25% Paved, Add	144.66	
For Smooth-Flo, Add	171.16	
33 42 11 00-0842 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	471.05	87.60
For Bituminous Coated Pipe, Add	58.35	
For Bituminous Coated And 25% Paved, Add	152.88	
For Smooth-Flo, Add	180.89	
33 42 11 00-0843 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	502.00	97.33
For Bituminous Coated Pipe, Add	61.47	
For Bituminous Coated And 25% Paved, Add	161.05	
For Smooth-Flo, Add	190.55	
33 42 11 00-0844 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	534.12	107.06
For Bituminous Coated Pipe, Add	64.90	
For Bituminous Coated And 25% Paved, Add	170.03	
For Smooth-Flo, Add	201.18	
<b>33 42 11 00-0845</b> 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0824)</small>		
33 42 11 00-0846 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	379.52	62.29
For Bituminous Coated Pipe, Add	51.13	
For Bituminous Coated And 25% Paved, Add	121.68	
For Smooth-Flo, Add	132.17	
33 42 11 00-0847 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	410.92	68.13
For Bituminous Coated Pipe, Add	54.93	
For Bituminous Coated And 25% Paved, Add	130.74	
For Smooth-Flo, Add	142.00	
33 42 11 00-0848 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	439.71	73.00
For Bituminous Coated Pipe, Add	58.74	
For Bituminous Coated And 25% Paved, Add	139.81	
For Smooth-Flo, Add	151.85	
33 42 11 00-0849 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	468.39	77.86
For Bituminous Coated Pipe, Add	62.53	
For Bituminous Coated And 25% Paved, Add	148.83	
For Smooth-Flo, Add	161.65	
33 42 11 00-0850 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	497.83	82.73
For Bituminous Coated Pipe, Add	66.33	
For Bituminous Coated And 25% Paved, Add	157.87	
For Smooth-Flo, Add	171.46	
33 42 11 00-0851 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	530.02	87.60
For Bituminous Coated Pipe, Add	70.15	
For Bituminous Coated And 25% Paved, Add	166.95	
For Smooth-Flo, Add	181.33	
33 42 11 00-0852 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	564.41	97.33
For Bituminous Coated Pipe, Add	73.95	
For Bituminous Coated And 25% Paved, Add	176.00	
For Smooth-Flo, Add	191.16	
33 42 11 00-0853 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	599.69	107.06
For Bituminous Coated Pipe, Add	78.01	
For Bituminous Coated And 25% Paved, Add	185.66	
For Smooth-Flo, Add	201.66	
33 42 11 00-0854 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	637.81	116.80
For Bituminous Coated Pipe, Add	82.89	
For Bituminous Coated And 25% Paved, Add	197.27	
For Smooth-Flo, Add	214.26	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0855			125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0792)</small>		
33 42 11 00-0856			12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0855)</small>		
33 42 11 00-0857	LF		81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	341.78	62.29
			For Bituminous Coated Pipe, Add	43.58	
			For Bituminous Coated And 25% Paved, Add	106.34	
			For Smooth-Flo, Add	135.32	
33 42 11 00-0858	LF		87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	369.31	68.13
			For Bituminous Coated Pipe, Add	46.61	
			For Bituminous Coated And 25% Paved, Add	113.73	
			For Smooth-Flo, Add	144.72	
33 42 11 00-0859	LF		95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	394.03	73.00
			For Bituminous Coated Pipe, Add	49.61	
			For Bituminous Coated And 25% Paved, Add	121.04	
			For Smooth-Flo, Add	154.03	
33 42 11 00-0860	LF		103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	418.74	77.86
			For Bituminous Coated Pipe, Add	52.60	
			For Bituminous Coated And 25% Paved, Add	128.35	
			For Smooth-Flo, Add	163.33	
33 42 11 00-0861	LF		112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	444.27	82.73
			For Bituminous Coated Pipe, Add	55.62	
			For Bituminous Coated And 25% Paved, Add	135.71	
			For Smooth-Flo, Add	172.69	
33 42 11 00-0862	LF		117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	472.73	87.60
			For Bituminous Coated Pipe, Add	58.69	
			For Bituminous Coated And 25% Paved, Add	143.20	
			For Smooth-Flo, Add	182.23	
33 42 11 00-0863	LF		128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	503.35	97.33
			For Bituminous Coated Pipe, Add	61.74	
			For Bituminous Coated And 25% Paved, Add	150.64	
			For Smooth-Flo, Add	191.70	
33 42 11 00-0864	LF		137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	537.45	107.06
			For Bituminous Coated Pipe, Add	65.56	
			For Bituminous Coated And 25% Paved, Add	159.97	
			For Smooth-Flo, Add	203.57	
33 42 11 00-0865			10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0855)</small>		
33 42 11 00-0866	LF		81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	388.10	62.29
			For Bituminous Coated Pipe, Add	52.84	
			For Bituminous Coated And 25% Paved, Add	119.43	
			For Smooth-Flo, Add	129.73	
33 42 11 00-0867	LF		87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	419.33	68.13
			For Bituminous Coated Pipe, Add	56.61	
			For Bituminous Coated And 25% Paved, Add	127.95	
			For Smooth-Flo, Add	138.99	
33 42 11 00-0868	LF		95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	447.82	73.00
			For Bituminous Coated Pipe, Add	60.36	
			For Bituminous Coated And 25% Paved, Add	136.42	
			For Smooth-Flo, Add	148.19	
33 42 11 00-0869	LF		103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	476.40	77.86
			For Bituminous Coated Pipe, Add	64.13	
			For Bituminous Coated And 25% Paved, Add	144.94	
			For Smooth-Flo, Add	157.45	
33 42 11 00-0870	LF		112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	505.07	82.73
			For Bituminous Coated Pipe, Add	67.78	
			For Bituminous Coated And 25% Paved, Add	153.18	
			For Smooth-Flo, Add	166.39	
33 42 11 00-0871	LF		117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	537.80	87.60
			For Bituminous Coated Pipe, Add	71.70	
			For Bituminous Coated And 25% Paved, Add	162.05	
			For Smooth-Flo, Add	176.03	
33 42 11 00-0872	LF		128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	572.26	97.33
			For Bituminous Coated Pipe, Add	75.52	
			For Bituminous Coated And 25% Paved, Add	170.68	
			For Smooth-Flo, Add	185.40	
33 42 11 00-0873	LF		137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	610.16	107.06
			For Bituminous Coated Pipe, Add	80.10	
			For Bituminous Coated And 25% Paved, Add	181.04	
			For Smooth-Flo, Add	196.66	
33 42 11 00-0874	LF		142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	645.55	116.80
			For Bituminous Coated Pipe, Add	84.43	
			For Bituminous Coated And 25% Paved, Add	190.82	
			For Smooth-Flo, Add	207.29	
33 42 11 00-0875			2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0792)</small>		
33 42 11 00-0876			16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0875)</small>		
33 42 11 00-0877	LF		17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	61.43	9.93
33 42 11 00-0878	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	70.18	10.83



	<b>Utilities</b>	<b>33</b>
	<b>Stormwater Utilities</b>	<b>33 40</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0879 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	81.92	11.73
33 42 11 00-0880 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	92.93	12.64
33 42 11 00-0881 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	120.06	16.24
33 42 11 00-0882 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	157.74	21.41
<b>33 42 11 00-0883 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0875)</small>		
33 42 11 00-0884 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	69.72	9.93
33 42 11 00-0885 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	80.30	10.83
33 42 11 00-0886 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	93.22	11.73
33 42 11 00-0887 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	106.07	12.64
33 42 11 00-0888 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	136.39	16.24
33 42 11 00-0889 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	177.17	21.41
33 42 11 00-0890 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	206.68	25.31
<b>33 42 11 00-0891 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0875)</small>		
33 42 11 00-0892 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	105.11	10.83
33 42 11 00-0893 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	122.61	11.73
33 42 11 00-0894 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	139.35	12.64
33 42 11 00-0895 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	177.93	16.24
33 42 11 00-0896 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	227.34	21.41
33 42 11 00-0897 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	265.11	25.31
33 42 11 00-0898 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	312.57	29.20
33 42 11 00-0899 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	347.12	33.09
<b>33 42 11 00-0900 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0875)</small>		
33 42 11 00-0901 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	266.69	21.41
33 42 11 00-0902 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	311.03	25.31
33 42 11 00-0903 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	364.62	29.20
33 42 11 00-0904 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	405.97	33.09
33 42 11 00-0905 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	444.71	35.04
<b>33 42 11 00-0906 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0792)</small>		
<b>33 42 11 00-0907 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0906)</small>		
33 42 11 00-0908 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	350.54	33.09
33 42 11 00-0909 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	382.95	35.04
33 42 11 00-0910 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	479.07	42.82
33 42 11 00-0911 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	547.22	62.29
33 42 11 00-0912 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	589.18	68.13
33 42 11 00-0913 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	628.63	73.00
33 42 11 00-0914 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	667.90	77.86
33 42 11 00-0915 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	707.96	82.73
<b>33 42 11 00-0916 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0906)</small>		
33 42 11 00-0917 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	477.84	35.04
33 42 11 00-0918 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	584.69	42.82
33 42 11 00-0919 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	662.18	62.29
33 42 11 00-0920 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	713.30	68.13
33 42 11 00-0921 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	761.96	73.00
33 42 11 00-0922 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	810.55	77.86
33 42 11 00-0923 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	859.73	82.73
33 42 11 00-0924 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	911.89	87.60
33 42 11 00-0925 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	966.12	97.33
33 42 11 00-0926 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,023.83	107.06
<b>33 42 11 00-0927 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0906)</small>		
33 42 11 00-0928 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	766.47	62.29
33 42 11 00-0929 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	826.22	68.13
33 42 11 00-0930 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	883.50	73.00
33 42 11 00-0931 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	940.46	77.86
33 42 11 00-0932 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	998.23	82.73
33 42 11 00-0933 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,058.92	87.60
33 42 11 00-0934 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,121.74	97.33
33 42 11 00-0935 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,187.28	107.06
33 42 11 00-0936 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,261.75	116.80
<b>33 42 11 00-0937 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0792)</small>		
<b>33 42 11 00-0938 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0937)</small>		

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 42 11 00-0939	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	652.80		62.29
33 42 11 00-0940	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	701.58		68.13
33 42 11 00-0941	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	747.31		73.00
33 42 11 00-0942	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	792.98		77.86
33 42 11 00-0943	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	839.63		82.73
33 42 11 00-0944	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	889.61		87.60
33 42 11 00-0945	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	941.58		97.33
33 42 11 00-0946	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,002.46		107.06
<b>33 42 11 00-0947</b>		<b>10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel</b>			
		<b>Pipe-Arch</b> <small>(33 42 11 00-0937)</small>			
33 42 11 00-0948	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	764.03		62.29
33 42 11 00-0949	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	821.65		68.13
33 42 11 00-0950	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	876.41		73.00
33 42 11 00-0951	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	931.40		77.86
33 42 11 00-0952	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	985.65		82.73
33 42 11 00-0953	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,045.82		87.60
33 42 11 00-0954	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,107.05		97.33
33 42 11 00-0955	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,177.18		107.06
33 42 11 00-0956	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,242.73		116.80
<b>33 42 11 00-0957</b>		<b>Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0448)</small>			
<b>33 42 11 00-0958</b>		<b>2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0957)</small>			
<b>33 42 11 00-0959</b>		<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel</b>			
		<b>Piping</b> <small>(33 42 11 00-0958)</small>			
33 42 11 00-0960	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	36.05		9.47
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	6.61		
33 42 11 00-0961	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	40.98		9.93
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	8.32		
33 42 11 00-0962	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	46.11		10.83
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	10.09		
33 42 11 00-0963	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	52.66		11.73
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	12.06		
33 42 11 00-0964	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	58.38		12.64
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	13.59		
33 42 11 00-0965	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	76.95		16.24
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	17.63		
33 42 11 00-0966	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	100.46		21.41
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	22.24		
33 42 11 00-0967	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	114.65		25.31
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	26.30		
33 42 11 00-0968	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	128.85		29.20
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	29.47		
<b>33 42 11 00-0969</b>		<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel</b>			
		<b>Piping</b> <small>(33 42 11 00-0958)</small>			
33 42 11 00-0970	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	39.62		9.47
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	6.28		
33 42 11 00-0971	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	45.39		9.93
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	7.88		
33 42 11 00-0972	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	51.36		10.83
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	9.52		
33 42 11 00-0973	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	58.75		11.73
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	11.32		
33 42 11 00-0974	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	65.45		12.64
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	12.82		
33 42 11 00-0975	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	85.60		16.24
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	16.47		
33 42 11 00-0976	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	110.93		21.41
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	20.64		
33 42 11 00-0977	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	126.71		25.31
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	24.31		
33 42 11 00-0978	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	142.58		29.20
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	27.30		
33 42 11 00-0979	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	170.71		33.09
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	33.57		
<b>33 42 11 00-0980</b>		<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel</b>			
		<b>Piping</b> <small>(33 42 11 00-0958)</small>			
33 42 11 00-0981	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	62.40		10.83
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	8.87		
33 42 11 00-0982	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	71.64		11.73
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	10.50		
33 42 11 00-0983	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	80.09		12.64
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	11.90		



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0984 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	103.88 15.17	16.24
33 42 11 00-0985 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	132.98 18.83	21.41
33 42 11 00-0986 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	152.26 22.08	25.31
33 42 11 00-0987 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	171.73 24.90	29.20
33 42 11 00-0988 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	204.00 30.07	33.09
33 42 11 00-0989 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	222.81 32.88	35.04
33 42 11 00-0990 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	271.94 40.44	42.82
<b>33 42 11 00-0991 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0991)</small>		
33 42 11 00-0992 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	152.80 20.62	21.41
33 42 11 00-0993 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	175.45 24.17	25.31
33 42 11 00-0994 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	198.06 27.29	29.20
33 42 11 00-0995 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	233.52 32.52	33.09
33 42 11 00-0996 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	255.67 35.67	35.04
33 42 11 00-0997 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	308.02 43.04	42.82
33 42 11 00-0998 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	364.20 46.14	62.29
<b>33 42 11 00-0999 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0999)</small>		
<b>33 42 11 00-1000 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0999)</small>		
33 42 11 00-1001 LF 36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	116.04 24.72	21.41
33 42 11 00-1002 LF 42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	132.50 29.03	25.31
33 42 11 00-1003 LF 48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	148.91 32.55	29.20
33 42 11 00-1004 LF 54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	177.74 39.76	33.09
33 42 11 00-1005 LF 60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	193.66 43.32	35.04
33 42 11 00-1006 LF 66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	242.85 55.65	42.82
33 42 11 00-1007 LF 72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	293.34 59.31	62.29
33 42 11 00-1008 LF 78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	316.22 62.99	68.13
33 42 11 00-1009 LF 84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	336.50 66.68	73.00
33 42 11 00-1010 LF 90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	356.77 70.36	77.86
33 42 11 00-1011 LF 96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	377.72 74.04	82.73
33 42 11 00-1012 LF 102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	401.43 77.75	87.60
<b>33 42 11 00-1013 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0999)</small>		
33 42 11 00-1014 LF 54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	195.65 34.46	33.09
33 42 11 00-1015 LF 60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	213.45 37.62	35.04
33 42 11 00-1016 LF 66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	264.63 47.36	42.82
33 42 11 00-1017 LF 72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	317.07 50.62	62.29
33 42 11 00-1018 LF 78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	341.87 53.87	68.13
33 42 11 00-1019 LF 84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	364.17 57.16	73.00
33 42 11 00-1020 LF 90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	386.32 60.41	77.86
33 42 11 00-1021 LF 96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	409.19 63.67	82.73
33 42 11 00-1022 LF 102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	434.83 66.95	87.60

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1023 LF 108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	462.68	97.33
For 1/2 Bituminous Coated And 25% Paved, Add	70.22	
33 42 11 00-1024 LF 114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	489.95	107.06
For 1/2 Bituminous Coated And 25% Paved, Add	73.44	
<b>33 42 11 00-1025 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b>		
(33 42 11 00-0999)		
33 42 11 00-1026 LF 60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	257.45	35.04
For 1/2 Bituminous Coated And 25% Paved, Add	50.46	
33 42 11 00-1027 LF 66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	313.34	42.82
For 1/2 Bituminous Coated And 25% Paved, Add	61.73	
33 42 11 00-1028 LF 72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	370.02	62.29
For 1/2 Bituminous Coated And 25% Paved, Add	66.21	
33 42 11 00-1029 LF 78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	399.13	68.13
For 1/2 Bituminous Coated And 25% Paved, Add	70.71	
33 42 11 00-1030 LF 84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	425.67	73.00
For 1/2 Bituminous Coated And 25% Paved, Add	75.23	
33 42 11 00-1031 LF 90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	452.13	77.86
For 1/2 Bituminous Coated And 25% Paved, Add	79.73	
33 42 11 00-1032 LF 96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	479.28	82.73
For 1/2 Bituminous Coated And 25% Paved, Add	84.22	
33 42 11 00-1033 LF 102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	509.19	87.60
For 1/2 Bituminous Coated And 25% Paved, Add	88.74	
33 42 11 00-1034 LF 108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	541.29	97.33
For 1/2 Bituminous Coated And 25% Paved, Add	93.24	
33 42 11 00-1035 LF 114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	572.86	107.06
For 1/2 Bituminous Coated And 25% Paved, Add	97.71	
33 42 11 00-1036 LF 120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	603.40	116.80
For 1/2 Bituminous Coated And 25% Paved, Add	102.23	
<b>33 42 11 00-1037 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b>		
(33 42 11 00-0999)		
33 42 11 00-1038 LF 72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	419.41	62.29
For 1/2 Bituminous Coated And 25% Paved, Add	81.27	
33 42 11 00-1039 LF 78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	452.49	68.13
For 1/2 Bituminous Coated And 25% Paved, Add	86.96	
33 42 11 00-1040 LF 84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	483.10	73.00
For 1/2 Bituminous Coated And 25% Paved, Add	92.70	
33 42 11 00-1041 LF 90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	513.57	77.86
For 1/2 Bituminous Coated And 25% Paved, Add	98.41	
33 42 11 00-1042 LF 96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	544.82	82.73
For 1/2 Bituminous Coated And 25% Paved, Add	104.13	
33 42 11 00-1043 LF 102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	578.80	87.60
For 1/2 Bituminous Coated And 25% Paved, Add	109.87	
33 42 11 00-1044 LF 108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	614.91	97.33
For 1/2 Bituminous Coated And 25% Paved, Add	115.57	
33 42 11 00-1045 LF 114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	650.52	107.06
For 1/2 Bituminous Coated And 25% Paved, Add	121.24	
33 42 11 00-1046 LF 120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	685.14	116.80
For 1/2 Bituminous Coated And 25% Paved, Add	126.98	
33 42 11 00-1047 LF 126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	721.52	126.53
For 1/2 Bituminous Coated And 25% Paved, Add	132.68	
33 42 11 00-1048 LF 132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	760.40	136.26
For 1/2 Bituminous Coated And 25% Paved, Add	138.41	
33 42 11 00-1049 LF 138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	802.26	146.00
For 1/2 Bituminous Coated And 25% Paved, Add	144.15	
<b>33 42 11 00-1050 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b>		
(33 42 11 00-0957)		
<b>33 42 11 00-1051 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b>		
(33 42 11 00-1050)		
33 42 11 00-1052 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	149.48	29.20
For 1/2 Bituminous Coated And 25% Paved, Add	40.33	
33 42 11 00-1053 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	178.79	33.09
For 1/2 Bituminous Coated And 25% Paved, Add	49.42	
33 42 11 00-1054 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	194.57	35.04
For 1/2 Bituminous Coated And 25% Paved, Add	53.74	
33 42 11 00-1055 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	240.83	42.82
For 1/2 Bituminous Coated And 25% Paved, Add	67.65	
33 42 11 00-1056 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	291.08	62.29
For 1/2 Bituminous Coated And 25% Paved, Add	72.06	
33 42 11 00-1057 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	313.70	68.13
For 1/2 Bituminous Coated And 25% Paved, Add	76.48	
33 42 11 00-1058 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	333.60	73.00
For 1/2 Bituminous Coated And 25% Paved, Add	80.86	
33 42 11 00-1059 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	353.43	77.86
For 1/2 Bituminous Coated And 25% Paved, Add	85.21	
33 42 11 00-1060 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	374.18	82.73
For 1/2 Bituminous Coated And 25% Paved, Add	89.65	
33 42 11 00-1061 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	397.83	87.60
For 1/2 Bituminous Coated And 25% Paved, Add	94.19	





	<b>Utilities</b>	<b>33</b>	<b>CS</b>
	Stormwater Utilities	33 40	
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**33 42 11 00-1062 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated**

**Steel Piping** (33 42 11 00-1050)

33 42 11 00-1063	LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	201.17	33.09
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	46.59	
33 42 11 00-1064	LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	219.51	35.04
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	50.87	
33 42 11 00-1065	LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	268.00	42.82
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	62.61	
33 42 11 00-1066	LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	320.47	62.29
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	66.84	
33 42 11 00-1067	LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	345.71	68.13
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	71.21	
33 42 11 00-1068	LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	368.11	73.00
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	75.52	
33 42 11 00-1069	LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	389.22	77.86
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	79.39	
33 42 11 00-1070	LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	413.54	82.73
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	84.10	
33 42 11 00-1071	LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	439.30	87.60
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	88.40	
33 42 11 00-1072	LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	467.20	97.33
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	92.66	
33 42 11 00-1073	LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	495.00	107.06
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	97.02	

**33 42 11 00-1074 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated**

**Steel Piping** (33 42 11 00-1050)

33 42 11 00-1075	LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	266.14	35.04
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.13	
33 42 11 00-1076	LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	319.40	42.82
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	67.36	
33 42 11 00-1077	LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	376.76	62.29
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	72.32	
33 42 11 00-1078	LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	406.30	68.13
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	77.23	
33 42 11 00-1079	LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	433.11	73.00
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	82.11	
33 42 11 00-1080	LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	460.14	77.86
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	87.06	
33 42 11 00-1081	LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	487.73	82.73
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	91.96	
33 42 11 00-1082	LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	517.97	87.60
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	96.86	
33 42 11 00-1083	LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	550.61	97.33
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	101.80	
33 42 11 00-1084	LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	582.76	107.06
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	106.71	
33 42 11 00-1085	LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	613.67	116.80
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	111.62	

**33 42 11 00-1086 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated**

**Steel Piping** (33 42 11 00-1050)

33 42 11 00-1087	LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	430.65	62.29
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	87.74	
33 42 11 00-1088	LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	465.21	68.13
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	94.08	
33 42 11 00-1089	LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	496.70	73.00
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	100.30	
33 42 11 00-1090	LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	527.98	77.86
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	106.46	
33 42 11 00-1091	LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	560.14	82.73
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	112.67	
33 42 11 00-1092	LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	594.86	87.60
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	118.85	
33 42 11 00-1093	LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	631.94	97.33
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	125.06	
33 42 11 00-1094	LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	668.60	107.06
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	131.26	
33 42 11 00-1095	LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	703.92	116.80
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	137.43	
33 42 11 00-1096	LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	748.11	126.53
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	145.59	
33 42 11 00-1097	LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	789.62	136.26
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	152.30	
33 42 11 00-1098	LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	834.98	146.00
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	159.27	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 11 00-1099	Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0957)		
33 42 11 00-1100	16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1099)		
33 42 11 00-1101	LF 18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	52.13	10.83
33 42 11 00-1102	LF 21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	59.63	11.73
33 42 11 00-1103	LF 24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	66.63	12.64
33 42 11 00-1104	LF 30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	87.01	16.24
33 42 11 00-1105	LF 36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	112.27	21.41
33 42 11 00-1106	LF 42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	128.29	25.31
33 42 11 00-1107	LF 48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	144.70	29.20
33 42 11 00-1108	LF 54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	171.65	33.09
33 42 11 00-1109	LF 60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	187.53	35.04
33 42 11 00-1110	14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1099)		
33 42 11 00-1111	LF 18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	57.32	10.83
33 42 11 00-1112	LF 21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	65.69	11.73
33 42 11 00-1113	LF 24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	73.49	12.64
33 42 11 00-1114	LF 30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	95.60	16.24
33 42 11 00-1115	LF 36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	122.61	21.41
33 42 11 00-1116	LF 42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	140.37	25.31
33 42 11 00-1117	LF 48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	158.50	29.20
33 42 11 00-1118	LF 54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	187.17	33.09
33 42 11 00-1119	LF 60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	204.84	35.04
33 42 11 00-1120	LF 66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	249.04	42.82
33 42 11 00-1121	LF 72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	300.81	62.29
33 42 11 00-1122	LF 78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	325.11	68.13
33 42 11 00-1123	12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1099)		
33 42 11 00-1124	LF 30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	113.00	16.24
33 42 11 00-1125	LF 36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	143.45	21.41
33 42 11 00-1126	LF 42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	164.78	25.31
33 42 11 00-1127	LF 48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	186.34	29.20
33 42 11 00-1128	LF 54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	218.47	33.09
33 42 11 00-1129	LF 60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	239.68	35.04
33 42 11 00-1130	LF 66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	287.29	42.82
33 42 11 00-1131	LF 72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	342.49	62.29
33 42 11 00-1132	LF 78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	370.25	68.13
33 42 11 00-1133	LF 84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	395.27	73.00
33 42 11 00-1134	LF 90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	420.32	77.86
33 42 11 00-1135	LF 96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	445.99	82.73
33 42 11 00-1136	LF 102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	472.70	87.60
33 42 11 00-1137	Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-0448)		
33 42 11 00-1138	2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1137)		
33 42 11 00-1139	16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1138)		
33 42 11 00-1140	LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch .....	42.19	9.93
	For 1/2 Bituminous Coated And 40% Paved, Add	10.75	
33 42 11 00-1141	LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch .....	47.19	10.83
	For 1/2 Bituminous Coated And 40% Paved, Add	12.85	
33 42 11 00-1142	LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch .....	54.14	11.73
	For 1/2 Bituminous Coated And 40% Paved, Add	15.45	
33 42 11 00-1143	LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch .....	60.87	12.64
	For 1/2 Bituminous Coated And 40% Paved, Add	17.81	
33 42 11 00-1144	LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch .....	79.20	16.24
	For 1/2 Bituminous Coated And 40% Paved, Add	22.62	
33 42 11 00-1145	LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch .....	104.60	21.41
	For 1/2 Bituminous Coated And 40% Paved, Add	29.18	
33 42 11 00-1146	14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1138)		
33 42 11 00-1147	LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch .....	46.60	9.93
	For 1/2 Bituminous Coated And 40% Paved, Add	11.14	
33 42 11 00-1148	LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch .....	52.54	10.83
	For 1/2 Bituminous Coated And 40% Paved, Add	13.35	
33 42 11 00-1149	LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch .....	60.17	11.73
	For 1/2 Bituminous Coated And 40% Paved, Add	15.88	
33 42 11 00-1150	LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch .....	67.84	12.64
	For 1/2 Bituminous Coated And 40% Paved, Add	18.31	
33 42 11 00-1151	LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch .....	87.89	16.24
	For 1/2 Bituminous Coated And 40% Paved, Add	23.19	
33 42 11 00-1152	LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch .....	114.93	21.41
	For 1/2 Bituminous Coated And 40% Paved, Add	29.54	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1153 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	132.36 35.19	25.31
<b>33 42 11 00-1154 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1138)</small>		
33 42 11 00-1155 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	63.44 12.23	10.83
33 42 11 00-1156 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	73.09 14.53	11.73
33 42 11 00-1157 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	82.48 16.68	12.64
33 42 11 00-1158 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	106.17 21.05	16.24
33 42 11 00-1159 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	137.02 26.47	21.41
33 42 11 00-1160 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	158.11 31.37	25.31
33 42 11 00-1161 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	185.17 37.36	29.20
33 42 11 00-1162 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	206.63 41.18	33.09
<b>33 42 11 00-1163 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1138)</small>		
33 42 11 00-1164 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	156.84 27.86	21.41
33 42 11 00-1165 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	181.24 32.92	25.31
33 42 11 00-1166 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	211.39 38.87	29.20
33 42 11 00-1167 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	236.28 43.04	33.09
33 42 11 00-1168 LF 71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	258.66 47.20	35.04
<b>33 42 11 00-1169 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1137)</small>		
<b>33 42 11 00-1170 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1169)</small>		
33 42 11 00-1171 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	199.19 61.86	33.09
33 42 11 00-1172 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	217.66 67.68	35.04
33 42 11 00-1173 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	269.48 85.01	42.82
33 42 11 00-1174 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	322.86 91.13	62.29
33 42 11 00-1175 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	349.31 97.58	68.13
33 42 11 00-1176 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	373.16 104.04	73.00
33 42 11 00-1177 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	396.93 110.47	77.86
33 42 11 00-1178 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	421.45 116.91	82.73
<b>33 42 11 00-1179 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1169)</small>		
33 42 11 00-1180 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	261.69 76.92	35.04
33 42 11 00-1181 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	318.29 94.01	42.82
33 42 11 00-1182 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	376.02 101.11	62.29
33 42 11 00-1183 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	406.71 108.45	68.13
33 42 11 00-1184 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	434.90 115.85	73.00
33 42 11 00-1185 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	463.01 123.22	77.86
33 42 11 00-1186 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	491.77 130.56	82.73
33 42 11 00-1187 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	523.36 137.97	87.60
33 42 11 00-1188 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	557.11 145.34	97.33
33 42 11 00-1189 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	592.32 153.45	107.06

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1190	<b>10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1169)</small>		
33 42 11 00-1191	LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	425.37 109.44	62.29
33 42 11 00-1192	LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	460.17 117.58	68.13
33 42 11 00-1193	LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	492.39 125.74	73.00
33 42 11 00-1194	LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	524.47 133.85	77.86
33 42 11 00-1195	LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	560.04 142.97	82.73
33 42 11 00-1196	LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	592.94 150.15	87.60
33 42 11 00-1197	LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	630.76 158.30	97.33
33 42 11 00-1198	LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	669.64 166.98	107.06
33 42 11 00-1199	LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	712.13 177.42	116.80
33 42 11 00-1200	<b>125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1137)</small>		
33 42 11 00-1201	<b>12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1200)</small>		
33 42 11 00-1202	LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	381.00 99.51	62.29
33 42 11 00-1203	LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	411.25 106.42	68.13
33 42 11 00-1204	LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	438.70 113.27	73.00
33 42 11 00-1205	LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	466.10 120.11	77.86
33 42 11 00-1206	LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	494.33 126.99	82.73
33 42 11 00-1207	LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	525.55 134.00	87.60
33 42 11 00-1208	LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	558.93 140.97	97.33
33 42 11 00-1209	LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	596.46 149.70	107.06
33 42 11 00-1210	<b>10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1200)</small>		
33 42 11 00-1211	LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	435.67 110.37	62.29
33 42 11 00-1212	LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	470.30 118.25	68.13
33 42 11 00-1213	LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	502.15 126.08	73.00
33 42 11 00-1214	LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	534.14 133.96	77.86
33 42 11 00-1215	LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	566.10 141.57	82.73
33 42 11 00-1216	LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	602.33 149.76	87.60
33 42 11 00-1217	LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	640.26 157.74	97.33
33 42 11 00-1218	LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	682.27 167.31	107.06
33 42 11 00-1219	LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	721.56 176.36	116.80
33 42 11 00-1220	<b>Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-0448)</small>		
33 42 11 00-1221	<b>1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1220)</small>		
33 42 11 00-1222	<b>18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1221)</small>		
33 42 11 00-1223	LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	21.48 2.04	5.41
33 42 11 00-1224	LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	27.59 2.78	6.77
33 42 11 00-1225	LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	35.72 3.66	8.12



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 11 00-1226 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1221)</small>		
33 42 11 00-1227 LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	23.83 2.03	5.41
33 42 11 00-1228 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	30.90 2.77	6.77
33 42 11 00-1229 LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	40.14 3.66	8.12
<b>33 42 11 00-1230 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1220)</small>		
<b>33 42 11 00-1231 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1230)</small>		
33 42 11 00-1232 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	41.44 4.02	9.47
33 42 11 00-1233 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	47.68 5.05	9.93
33 42 11 00-1234 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	54.30 6.14	10.83
33 42 11 00-1235 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	62.40 7.33	11.73
33 42 11 00-1236 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	69.65 8.31	12.64
<b>33 42 11 00-1237 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1230)</small>		
33 42 11 00-1238 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	46.47 3.94	9.47
33 42 11 00-1239 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	54.09 4.96	9.93
33 42 11 00-1240 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	61.99 6.01	10.83
33 42 11 00-1241 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	71.30 7.13	11.73
33 42 11 00-1242 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	79.87 8.10	12.64
33 42 11 00-1243 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	103.97 10.39	16.24
33 42 11 00-1244 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	133.27 12.91	21.41
<b>33 42 11 00-1245 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1230)</small>		
33 42 11 00-1246 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	99.42 7.69	12.64
33 42 11 00-1247 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	128.30 9.78	16.24
33 42 11 00-1248 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	162.49 12.06	21.41
33 42 11 00-1249 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	187.23 14.18	25.31
33 42 11 00-1250 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	211.75 16.05	29.20
33 42 11 00-1251 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	249.02 19.04	33.09
<b>33 42 11 00-1252 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1230)</small>		
33 42 11 00-1253 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	193.63 11.86	21.41
33 42 11 00-1254 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	223.51 13.92	25.31
33 42 11 00-1255 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	253.33 15.79	29.20
33 42 11 00-1256 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	295.79 18.53	33.09
33 42 11 00-1257 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	325.16 20.42	35.04
<b>33 42 11 00-1258 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1220)</small>		
<b>33 42 11 00-1259 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1258)</small>		
33 42 11 00-1260 LF 30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	102.38	16.24

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1261 LF 36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	131.28	21.41
33 42 11 00-1262 LF 42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	150.18	25.31
33 42 11 00-1263 LF 48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	170.06	29.20
33 42 11 00-1264 LF 54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	200.72	33.09
<b>33 42 11 00-1265 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1258)</b>		
33 42 11 00-1266 LF 30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	115.20	16.24
33 42 11 00-1267 LF 36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	149.56	21.41
33 42 11 00-1268 LF 42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	171.40	25.31
33 42 11 00-1269 LF 48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	193.22	29.20
33 42 11 00-1270 LF 54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	227.85	33.09
33 42 11 00-1271 LF 60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	249.12	35.04
33 42 11 00-1272 LF 66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	302.97	42.82
33 42 11 00-1273 LF 72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	358.66	62.29
33 42 11 00-1274 LF 78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	386.77	68.13
<b>33 42 11 00-1275 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1258)</b>		
33 42 11 00-1276 LF 30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	145.11	16.24
33 42 11 00-1277 LF 36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	183.21	21.41
33 42 11 00-1278 LF 42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	211.61	25.31
33 42 11 00-1279 LF 48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	239.33	29.20
33 42 11 00-1280 LF 54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	279.62	33.09
33 42 11 00-1281 LF 60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	306.44	35.04
33 42 11 00-1282 LF 66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	365.83	42.82
33 42 11 00-1283 LF 72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	427.23	62.29
33 42 11 00-1284 LF 78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	460.93	68.13
33 42 11 00-1285 LF 84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	492.09	73.00
33 42 11 00-1286 LF 90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	523.15	77.86
33 42 11 00-1287 LF 96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	554.93	82.73
<b>33 42 11 00-1288 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1258)</b>		
33 42 11 00-1289 LF 60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	366.73	35.04
33 42 11 00-1290 LF 66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	429.61	42.82
33 42 11 00-1291 LF 72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	496.73	62.29
33 42 11 00-1292 LF 78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	536.16	68.13
33 42 11 00-1293 LF 84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	572.96	73.00
33 42 11 00-1294 LF 90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	609.73	77.86
33 42 11 00-1295 LF 96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	647.19	82.73
33 42 11 00-1296 LF 102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	687.44	87.60
33 42 11 00-1297 LF 108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	729.87	97.33
<b>33 42 11 00-1298 Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1220)</b>		
Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
<b>33 42 11 00-1299 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1298)</b>		
33 42 11 00-1300 LF 18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	71.56	10.83
33 42 11 00-1301 LF 21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	76.96	11.73
33 42 11 00-1302 LF 24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	92.58	12.64
33 42 11 00-1303 LF 27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	106.90	14.44
33 42 11 00-1304 LF 30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	119.93	16.24
33 42 11 00-1305 LF 33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	133.65	18.05
<b>33 42 11 00-1306 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1298)</b>		
33 42 11 00-1307 LF 18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	82.40	10.83
33 42 11 00-1308 LF 21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	95.14	11.73
33 42 11 00-1309 LF 24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	107.16	12.64
33 42 11 00-1310 LF 27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	123.26	14.44
33 42 11 00-1311 LF 30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	138.08	16.24
33 42 11 00-1312 LF 33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	153.65	18.05
33 42 11 00-1313 LF 36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	174.45	21.41
33 42 11 00-1314 LF 42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	201.17	25.31
33 42 11 00-1315 LF 48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	227.62	29.20
<b>33 42 11 00-1316 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1298)</b>		
33 42 11 00-1317 LF 30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	173.56	16.24
33 42 11 00-1318 LF 33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	192.60	18.05



<b>Utilities</b>	<b>33</b>	<b>CS</b>
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1319 LF 36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	217.00	21.41
33 42 11 00-1320 LF 42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	250.85	25.31
33 42 11 00-1321 LF 48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	284.40	29.20
33 42 11 00-1322 LF 54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	392.41	33.09
33 42 11 00-1323 LF 60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	431.82	35.04
<b>33 42 11 00-1324 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1298)</small>		
33 42 11 00-1325 LF 48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	400.10	29.20
33 42 11 00-1326 LF 54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	463.74	33.09
33 42 11 00-1327 LF 60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	511.17	35.04
33 42 11 00-1328 LF 66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	594.09	42.82
33 42 11 00-1329 LF 72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	674.88	62.29
33 42 11 00-1330 LF 78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	728.63	68.13
33 42 11 00-1331 LF 84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	779.30	73.00
<b>33 42 11 00-1332 Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-0448)</small>		
<b>33 42 11 00-1333 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1332)</small>		
<b>33 42 11 00-1334 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1333)</small>		
33 42 11 00-1335 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	49.96	9.93
<i>For Bituminous Coated Pipe, Add</i>	5.06	
33 42 11 00-1336 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	56.47	10.83
<i>For Bituminous Coated Pipe, Add</i>	6.04	
33 42 11 00-1337 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	64.87	11.73
<i>For Bituminous Coated Pipe, Add</i>	7.19	
<b>33 42 11 00-1338 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1333)</small>		
33 42 11 00-1339 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	56.39	9.93
<i>For Bituminous Coated Pipe, Add</i>	5.04	
33 42 11 00-1340 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	62.64	10.83
<i>For Bituminous Coated Pipe, Add</i>	5.81	
33 42 11 00-1341 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	73.77	11.73
<i>For Bituminous Coated Pipe, Add</i>	7.14	
33 42 11 00-1342 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	83.22	12.64
<i>For Bituminous Coated Pipe, Add</i>	8.19	
33 42 11 00-1343 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	107.30	16.24
<i>For Bituminous Coated Pipe, Add</i>	10.36	
<b>33 42 11 00-1344 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1333)</small>		
33 42 11 00-1345 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	102.78	12.64
<i>For Bituminous Coated Pipe, Add</i>	7.80	
33 42 11 00-1346 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	131.69	16.24
<i>For Bituminous Coated Pipe, Add</i>	9.84	
33 42 11 00-1347 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	168.23	21.41
<i>For Bituminous Coated Pipe, Add</i>	12.28	
33 42 11 00-1348 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	194.79	25.31
<i>For Bituminous Coated Pipe, Add</i>	14.52	
<b>33 42 11 00-1349 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1333)</small>		
33 42 11 00-1350 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	199.33	21.41
<i>For Bituminous Coated Pipe, Add</i>	11.85	
33 42 11 00-1351 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	231.13	25.31
<i>For Bituminous Coated Pipe, Add</i>	13.98	
33 42 11 00-1352 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	268.63	29.20
<i>For Bituminous Coated Pipe, Add</i>	16.38	
33 42 11 00-1353 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	300.82	33.09
<i>For Bituminous Coated Pipe, Add</i>	18.23	
<b>33 42 11 00-1354 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1332)</small>		
<b>33 42 11 00-1355 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1354)</small>		
33 42 11 00-1356 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	232.88	33.09
33 42 11 00-1357 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	254.96	35.04
33 42 11 00-1358 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	310.19	42.82
<b>33 42 11 00-1359 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1354)</small>		
33 42 11 00-1360 LF 60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	284.64	33.09
33 42 11 00-1361 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	312.28	35.04
33 42 11 00-1362 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	372.80	42.82
33 42 11 00-1363 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	434.72	62.29

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1364 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	468.96	68.13
33 42 11 00-1365 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	500.65	73.00
<b>33 42 11 00-1366 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1354)</small>		
33 42 11 00-1367 LF 66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	372.48	35.04
33 42 11 00-1368 LF 73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	436.32	42.82
33 42 11 00-1369 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	503.95	62.29
33 42 11 00-1370 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	543.92	68.13
33 42 11 00-1371 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	581.24	73.00
33 42 11 00-1372 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	618.53	77.86
<b>33 42 11 00-1373 Corrugated Steel Pipe Fittings</b> <small>(33 42 11 00-0448)</small> Note: Equivalent pipe-arch sizes are approximate.		
<b>33 42 11 00-1374 Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings</b> <small>(33 42 11 00-1373)</small> Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1375 EA Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe) .....	82.23	
33 42 11 00-1376 EA Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe) .....	103.12	
33 42 11 00-1377 EA Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe) .....	124.02	
33 42 11 00-1378 EA Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe) .....	146.22	
33 42 11 00-1379 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	177.54	
33 42 11 00-1380 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	208.86	
33 42 11 00-1381 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	240.20	
33 42 11 00-1382 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	271.51	
33 42 11 00-1383 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	353.77	
33 42 11 00-1384 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	421.63	
33 42 11 00-1385 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	489.52	
33 42 11 00-1386 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	633.12	
33 42 11 00-1387 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	714.06	
33 42 11 00-1388 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	797.60	
33 42 11 00-1389 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	883.76	
33 42 11 00-1390 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,076.95	
33 42 11 00-1391 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,174.85	
33 42 11 00-1392 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,275.36	
33 42 11 00-1393 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,565.16	
33 42 11 00-1394 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,680.06	
33 42 11 00-1395 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,796.23	
33 42 11 00-1396 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,912.40	
33 42 11 00-1397 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,027.27	
33 42 11 00-1398 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,143.46	
33 42 11 00-1399 EA Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe) .....	2,265.95	
33 42 11 00-1400 EA Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe) .....	2,395.45	
33 42 11 00-1401 EA Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe) .....	2,532.32	
<b>33 42 11 00-1402 Fabricate Corrugated Steel Pipe Tees Or Laterals</b> <small>(33 42 11 00-1373)</small> Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1403 EA Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe) .....	107.05	
33 42 11 00-1404 EA Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe) .....	137.07	
33 42 11 00-1405 EA Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe) .....	167.07	
33 42 11 00-1406 EA Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe) .....	197.12	
33 42 11 00-1407 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	240.20	
33 42 11 00-1408 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	284.57	
33 42 11 00-1409 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	328.97	
33 42 11 00-1410 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	373.32	





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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1411	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	489.52	
33 42 11 00-1412	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	583.52	
33 42 11 00-1413	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	678.80	
33 42 11 00-1414	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	881.13	
33 42 11 00-1415	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	992.09	
33 42 11 00-1416	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,106.96	
33 42 11 00-1417	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,224.45	
33 42 11 00-1418	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,493.35	
33 42 11 00-1419	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,626.52	
33 42 11 00-1420	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,762.28	
33 42 11 00-1421	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,168.23	
33 42 11 00-1422	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,323.59	
33 42 11 00-1423	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,478.93	
33 42 11 00-1424	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,635.56	
33 42 11 00-1425	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,792.23	
33 42 11 00-1426	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,947.54	
33 42 11 00-1427	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe).....	3,111.52	
33 42 11 00-1428	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,284.63	
33 42 11 00-1429	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,467.33	

**33 42 11 00-1430 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting (33 42 11 00-1373)**  
 Note: Applied to pipe tasks.

33 42 11 00-1431	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	40.80	
33 42 11 00-1432	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	51.32	
33 42 11 00-1433	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	64.55	
33 42 11 00-1434	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	79.05	
33 42 11 00-1435	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	100.03	
33 42 11 00-1436	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	122.48	
33 42 11 00-1437	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	143.47	
33 42 11 00-1438	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	166.68	
33 42 11 00-1439	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	204.73	
33 42 11 00-1440	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	244.10	
33 42 11 00-1441	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	291.26	
33 42 11 00-1442	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	358.28	
33 42 11 00-1443	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	405.52	
33 42 11 00-1444	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	456.69	
33 42 11 00-1445	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	553.82	
33 42 11 00-1446	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	614.17	
33 42 11 00-1447	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	749.35	
33 42 11 00-1448	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	816.31	
33 42 11 00-1449	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	887.20	
33 42 11 00-1450	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	956.70	
33 42 11 00-1451	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,027.57	
33 42 11 00-1452	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,099.74	
33 42 11 00-1453	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,170.63	
33 42 11 00-1454	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,241.49	
33 42 11 00-1455	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,316.63	
33 42 11 00-1456	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,396.30	
33 42 11 00-1457	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,480.81	

**33 42 11 00-1458 Saddles, Corrugated Steel Pipe Fitting (33 42 11 00-1373)**  
 Note: For Field Tap

33 42 11 00-1459	EA	6" Saddle, Corrugated Steel Pipe Fitting.....	195.69	
33 42 11 00-1460	EA	8" Saddle, Corrugated Steel Pipe Fitting.....	221.00	
33 42 11 00-1461	EA	10" Saddle, Corrugated Steel Pipe Fitting.....	254.53	
33 42 11 00-1462	EA	12" Saddle, Corrugated Steel Pipe Fitting.....	311.37	
33 42 11 00-1463	EA	15" Saddle, Corrugated Steel Pipe Fitting.....	383.48	
33 42 11 00-1464	EA	18" Saddle, Corrugated Steel Pipe Fitting.....	457.12	
33 42 11 00-1465	EA	21" Saddle, Corrugated Steel Pipe Fitting.....	575.65	
33 42 11 00-1466	EA	24" Saddle, Corrugated Steel Pipe Fitting.....	683.80	
33 42 11 00-1467	EA	30" Saddle, Corrugated Steel Pipe Fitting.....	859.97	
33 42 11 00-1468	EA	36" Saddle, Corrugated Steel Pipe Fitting.....	1,107.92	
33 42 11 00-1469	EA	42" Saddle, Corrugated Steel Pipe Fitting.....	1,307.67	
33 42 11 00-1470	EA	48" Saddle, Corrugated Steel Pipe Fitting.....	1,537.80	
33 42 11 00-1471	EA	54" Saddle, Corrugated Steel Pipe Fitting.....	1,829.52	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1472 EA 60" Saddle, Corrugated Steel Pipe Fitting.....	2,167.63	
33 42 11 00-1473 EA 66" Saddle, Corrugated Steel Pipe Fitting.....	2,469.85	
33 42 11 00-1474 EA 72" Saddle, Corrugated Steel Pipe Fitting.....	2,755.84	
33 42 11 00-1475 EA 78" Saddle, Corrugated Steel Pipe Fitting.....	3,236.57	
33 42 11 00-1476 EA 84" Saddle, Corrugated Steel Pipe Fitting.....	3,574.51	
33 42 11 00-1477 EA 90" Saddle, Corrugated Steel Pipe Fitting.....	4,229.06	
33 42 11 00-1478 EA 96" Saddle, Corrugated Steel Pipe Fitting.....	4,673.93	
33 42 11 00-1479 EA 102" Saddle, Corrugated Steel Pipe Fitting.....	5,301.88	
33 42 11 00-1480 EA 108" Saddle, Corrugated Steel Pipe Fitting.....	6,015.58	
33 42 11 00-1481 EA 114" Saddle, Corrugated Steel Pipe Fitting.....	6,824.30	
33 42 11 00-1482 EA 120" Saddle, Corrugated Steel Pipe Fitting.....	7,740.38	
<b>33 42 11 00-1483 Coupling Bands, Corrugated Metal Pipe Fitting (33 42 11 00-1373)</b>		
33 42 11 00-1484 EA 6" Coupling Band, Corrugated Metal Pipe Fitting.....	11.71	
For Bituminous Coated, Add	3.40	
33 42 11 00-1485 EA 8" Coupling Band, Corrugated Metal Pipe Fitting.....	15.55	
For Bituminous Coated, Add	4.51	
33 42 11 00-1486 EA 10" Coupling Band, Corrugated Metal Pipe Fitting.....	19.59	
For Bituminous Coated, Add	5.68	
33 42 11 00-1487 EA 12" Coupling Band, Corrugated Metal Pipe Fitting.....	32.52	
For Bituminous Coated, Add	9.43	
33 42 11 00-1488 EA 15" Coupling Band, Corrugated Metal Pipe Fitting.....	41.00	
For Bituminous Coated, Add	11.89	
33 42 11 00-1489 EA 18" Coupling Band, Corrugated Metal Pipe Fitting.....	60.16	
For Bituminous Coated, Add	17.45	
33 42 11 00-1490 EA 21" Coupling Band, Corrugated Metal Pipe Fitting.....	71.40	
For Bituminous Coated, Add	20.71	
33 42 11 00-1491 EA 24" Coupling Band, Corrugated Metal Pipe Fitting.....	80.96	
For Bituminous Coated, Add	23.48	
33 42 11 00-1492 EA 30" Coupling Band, Corrugated Metal Pipe Fitting.....	140.11	
For Bituminous Coated, Add	40.63	
33 42 11 00-1493 EA 36" Coupling Band, Corrugated Metal Pipe Fitting.....	224.16	
For Bituminous Coated, Add	53.80	
33 42 11 00-1494 EA 42" Coupling Band, Corrugated Metal Pipe Fitting.....	263.38	
For Bituminous Coated, Add	63.21	
33 42 11 00-1495 EA 48" Coupling Band, Corrugated Metal Pipe Fitting.....	295.12	
For Bituminous Coated, Add	70.83	
33 42 11 00-1496 EA 54" Coupling Band, Corrugated Metal Pipe Fitting.....	418.53	
For Bituminous Coated, Add	100.45	
33 42 11 00-1497 EA 60" Coupling Band, Corrugated Metal Pipe Fitting.....	598.63	
For Bituminous Coated, Add	107.75	
33 42 11 00-1498 EA 66" Coupling Band, Corrugated Metal Pipe Fitting.....	735.70	
For Bituminous Coated, Add	132.43	
33 42 11 00-1499 EA 72" Coupling Band, Corrugated Metal Pipe Fitting.....	945.06	
For Bituminous Coated, Add	132.31	
33 42 11 00-1500 EA 78" Coupling Band, Corrugated Metal Pipe Fitting.....	1,010.80	
For Bituminous Coated, Add	141.51	
33 42 11 00-1501 EA 84" Coupling Band, Corrugated Metal Pipe Fitting.....	1,076.91	
For Bituminous Coated, Add	150.77	
33 42 11 00-1502 EA 90" Coupling Band, Corrugated Metal Pipe Fitting.....	1,142.69	
For Bituminous Coated, Add	159.98	
33 42 11 00-1503 EA 96" Coupling Band, Corrugated Metal Pipe Fitting.....	1,208.64	
For Bituminous Coated, Add	169.21	
33 42 11 00-1504 EA 102" Coupling Band, Corrugated Metal Pipe Fitting.....	1,274.75	
For Bituminous Coated, Add	178.47	
33 42 11 00-1505 EA 108" Coupling Band, Corrugated Metal Pipe Fitting.....	1,340.56	
For Bituminous Coated, Add	187.68	
33 42 11 00-1506 EA 114" Coupling Band, Corrugated Metal Pipe Fitting.....	1,587.75	
For Bituminous Coated, Add	190.53	
33 42 11 00-1507 EA 120" Coupling Band, Corrugated Metal Pipe Fitting.....	1,472.08	
For Bituminous Coated, Add	176.65	
33 42 11 00-1508 EA 126" Coupling Band, Corrugated Metal Pipe Fitting.....	1,537.69	
For Bituminous Coated, Add	184.52	
33 42 11 00-1509 EA 132" Coupling Band, Corrugated Metal Pipe Fitting.....	1,603.77	
For Bituminous Coated, Add	192.45	
33 42 11 00-1510 EA 138" Coupling Band, Corrugated Metal Pipe Fitting.....	1,669.92	
For Bituminous Coated, Add	200.39	
<b>33 42 11 00-1511 90 Degree Bends, Galvanized Corrugated Metal Pipe Fitting (33 42 11 00-1373)</b>		
33 42 11 00-1512 EA 12" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	343.26	108.28
33 42 11 00-1513 EA 15" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	417.92	135.36
33 42 11 00-1514 EA 18" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	492.72	180.48
33 42 11 00-1515 EA 24" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	671.31	252.67
33 42 11 00-1516 EA 30" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	864.55	288.77
33 42 11 00-1517 EA 36" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	1,204.61	330.92
33 42 11 00-1518 EA 42" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	1,421.10	389.32
33 42 11 00-1519 EA 48" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	1,625.56	389.32
33 42 11 00-1520 EA 54" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	1,973.28	545.05
33 42 11 00-1521 EA 60" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	2,223.63	545.05
33 42 11 00-1522 EA 66" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	2,706.77	681.31
33 42 11 00-1523 EA 72" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	2,878.45	725.11



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1524 EA 78" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	3,392.71	908.38
33 42 11 00-1525 EA 84" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	3,762.44	973.31
<b>33 42 11 00-1526 Wyes Or Tees, Galvanized Corrugated Metal Pipe Fitting (33 42 11 00-1373)</b>		
33 42 11 00-1527 EA 12" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	496.79	144.38
33 42 11 00-1528 EA 15" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	574.23	180.48
33 42 11 00-1529 EA 18" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	672.19	234.62
33 42 11 00-1530 EA 24" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	956.11	324.86
33 42 11 00-1531 EA 30" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	1,259.56	379.00
33 42 11 00-1532 EA 36" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	1,742.52	447.72
33 42 11 00-1533 EA 42" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	2,059.30	525.59
33 42 11 00-1534 EA 48" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	2,396.32	525.59
33 42 11 00-1535 EA 54" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	2,869.39	720.25
33 42 11 00-1536 EA 60" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	3,212.75	720.25
33 42 11 00-1537 EA 66" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	3,828.24	914.91
33 42 11 00-1538 EA 72" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	4,028.54	973.31
33 42 11 00-1539 EA 78" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	4,904.77	1,211.77
33 42 11 00-1540 EA 84" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	5,656.10	1,304.23
<b>33 42 13 Stormwater Culverts (33 42)</b>		
<b>33 42 13 13 Precast Concrete Stormwater Culverts (33 42 13)</b>		
<b>33 42 13 13-0001 Precast Reinforced Concrete Box Culvert (33 42 13 13)</b>		
Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0883 for crane lifting equipment.		
33 42 13 13-0002 LF 3' x 3' Precast Reinforced Concrete Box Culvert .....	411.72	48.67
For Each LF Of Cut-Off Section, Add	16.47	
33 42 13 13-0003 LF 4' x 2' Precast Reinforced Concrete Box Culvert .....	465.13	48.67
For Each LF Of Cut-Off Section, Add	18.61	
33 42 13 13-0004 LF 4' x 3' Precast Reinforced Concrete Box Culvert .....	551.41	48.67
For Each LF Of Cut-Off Section, Add	22.06	
33 42 13 13-0005 LF 5' x 3' Precast Reinforced Concrete Box Culvert .....	661.53	60.83
For Each LF Of Cut-Off Section, Add	26.46	
33 42 13 13-0006 LF 5' x 4' Precast Reinforced Concrete Box Culvert .....	677.97	60.83
For Each LF Of Cut-Off Section, Add	27.12	
33 42 13 13-0007 LF 5' x 5' Precast Reinforced Concrete Box Culvert .....	686.18	60.83
For Each LF Of Cut-Off Section, Add	27.45	
33 42 13 13-0008 LF 6' x 3' Precast Reinforced Concrete Box Culvert .....	707.39	63.26
For Each LF Of Cut-Off Section, Add	28.30	
33 42 13 13-0009 LF 6' x 4' Precast Reinforced Concrete Box Culvert .....	711.50	63.26
For Each LF Of Cut-Off Section, Add	28.46	
33 42 13 13-0010 LF 6' x 6' Precast Reinforced Concrete Box Culvert .....	785.45	63.26
For Each LF Of Cut-Off Section, Add	31.42	
33 42 13 13-0011 LF 7' x 4' Precast Reinforced Concrete Box Culvert .....	804.53	73.00
For Each LF Of Cut-Off Section, Add	32.18	
33 42 13 13-0012 LF 7' x 6' Precast Reinforced Concrete Box Culvert .....	856.02	99.28
For Each LF Of Cut-Off Section, Add	34.24	
33 42 13 13-0013 LF 8' x 2' Precast Reinforced Concrete Box Culvert .....	789.56	63.26
For Each LF Of Cut-Off Section, Add	31.58	
33 42 13 13-0014 LF 8' x 3' Precast Reinforced Concrete Box Culvert .....	808.64	73.00
For Each LF Of Cut-Off Section, Add	32.35	
33 42 13 13-0015 LF 8' x 4' Precast Reinforced Concrete Box Culvert .....	820.96	73.00
For Each LF Of Cut-Off Section, Add	32.84	
33 42 13 13-0016 LF 8' x 5' Precast Reinforced Concrete Box Culvert .....	988.61	97.33
For Each LF Of Cut-Off Section, Add	39.54	
33 42 13 13-0017 LF 8' x 6' Precast Reinforced Concrete Box Culvert .....	991.90	97.33
For Each LF Of Cut-Off Section, Add	39.68	
33 42 13 13-0018 LF 8' x 8' Precast Reinforced Concrete Box Culvert .....	1,094.64	121.66
For Each LF Of Cut-Off Section, Add	43.79	
33 42 13 13-0019 LF 9' x 4' Precast Reinforced Concrete Box Culvert .....	1,094.61	97.33
For Each LF Of Cut-Off Section, Add	43.78	
33 42 13 13-0020 LF 9' x 6' Precast Reinforced Concrete Box Culvert .....	1,154.63	121.66
For Each LF Of Cut-Off Section, Add	46.19	
33 42 13 13-0021 LF 10' x 3' Precast Reinforced Concrete Box Culvert .....	1,158.73	121.66
For Each LF Of Cut-Off Section, Add	46.35	
33 42 13 13-0022 LF 10' x 4' Precast Reinforced Concrete Box Culvert .....	1,413.46	121.66
For Each LF Of Cut-Off Section, Add	56.54	
33 42 13 13-0023 LF 10' x 5' Precast Reinforced Concrete Box Culvert .....	1,477.57	146.00
For Each LF Of Cut-Off Section, Add	59.10	
33 42 13 13-0024 LF 10' x 6' Precast Reinforced Concrete Box Culvert .....	1,494.01	146.00
For Each LF Of Cut-Off Section, Add	59.76	
33 42 13 13-0025 LF 10' x 7' Precast Reinforced Concrete Box Culvert .....	1,498.12	146.00
For Each LF Of Cut-Off Section, Add	59.92	
33 42 13 13-0026 LF 10' x 8' Precast Reinforced Concrete Box Culvert .....	1,503.87	146.00
For Each LF Of Cut-Off Section, Add	60.15	
33 42 13 13-0027 LF 12' x 3' Precast Reinforced Concrete Box Culvert .....	1,558.13	170.33
For Each LF Of Cut-Off Section, Add	62.33	
33 42 13 13-0028 LF 12' x 4' Precast Reinforced Concrete Box Culvert .....	1,558.13	170.33
For Each LF Of Cut-Off Section, Add	62.33	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0029 LF 12' x 6' Precast Reinforced Concrete Box Culvert .....	1,558.13	170.33
For Each LF Of Cut-Off Section, Add	62.33	
33 42 13 13-0030 LF 12' x 8' Precast Reinforced Concrete Box Culvert .....	1,558.13	170.33
For Each LF Of Cut-Off Section, Add	62.33	
33 42 13 13-0031 LF 16' x 10' Precast Reinforced Concrete Box Culvert .....	2,279.61	194.66
For Each LF Of Cut-Off Section, Add	91.18	
33 42 13 13-0032 LF 24' x 10' Precast Reinforced Concrete Box Culvert .....	3,183.48	194.66
For Each LF Of Cut-Off Section, Add	127.34	
<b>33 42 13 13-0033 Precast Reinforced Concrete Box Culvert For Roadways</b> <sup>(33 42 13 13)</sup>		
Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0883 for crane lifting equipment.		
33 42 13 13-0034 LF 3' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....	1,040.74	48.67
For Each LF Of Cut-Off Section, Add	41.63	
33 42 13 13-0035 LF 4' x 2' Precast Reinforced Concrete Box Culvert For Roadways .....	1,119.66	48.67
For Each LF Of Cut-Off Section, Add	44.79	
33 42 13 13-0036 LF 4' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....	1,259.34	48.67
For Each LF Of Cut-Off Section, Add	50.37	
33 42 13 13-0037 LF 5' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....	1,422.83	60.83
For Each LF Of Cut-Off Section, Add	56.91	
33 42 13 13-0038 LF 5' x 4' Precast Reinforced Concrete Box Culvert For Roadways .....	1,562.51	60.83
For Each LF Of Cut-Off Section, Add	62.50	
33 42 13 13-0039 LF 5' x 5' Precast Reinforced Concrete Box Culvert For Roadways .....	1,702.19	60.83
For Each LF Of Cut-Off Section, Add	68.09	
33 42 13 13-0040 LF 6' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....	1,567.28	63.26
For Each LF Of Cut-Off Section, Add	62.69	
33 42 13 13-0041 LF 6' x 4' Precast Reinforced Concrete Box Culvert For Roadways .....	1,706.96	63.26
For Each LF Of Cut-Off Section, Add	68.28	
33 42 13 13-0042 LF 6' x 6' Precast Reinforced Concrete Box Culvert For Roadways .....	1,986.32	63.26
For Each LF Of Cut-Off Section, Add	79.45	
33 42 13 13-0043 LF 7' x 4' Precast Reinforced Concrete Box Culvert For Roadways .....	1,865.72	73.00
For Each LF Of Cut-Off Section, Add	74.63	
33 42 13 13-0044 LF 7' x 6' Precast Reinforced Concrete Box Culvert For Roadways .....	2,196.54	99.28
For Each LF Of Cut-Off Section, Add	87.86	
33 42 13 13-0045 LF 8' x 2' Precast Reinforced Concrete Box Culvert For Roadways .....	1,706.96	63.26
For Each LF Of Cut-Off Section, Add	68.28	
33 42 13 13-0046 LF 8' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....	1,865.72	73.00
For Each LF Of Cut-Off Section, Add	74.63	
33 42 13 13-0047 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways .....	2,005.40	73.00
For Each LF Of Cut-Off Section, Add	80.22	
33 42 13 13-0048 LF 8' x 5' Precast Reinforced Concrete Box Culvert For Roadways .....	2,192.73	97.33
For Each LF Of Cut-Off Section, Add	87.71	
33 42 13 13-0049 LF 8' x 6' Precast Reinforced Concrete Box Culvert For Roadways .....	2,332.41	97.33
For Each LF Of Cut-Off Section, Add	93.30	
33 42 13 13-0050 LF 8' x 8' Precast Reinforced Concrete Box Culvert For Roadways .....	2,659.46	121.66
For Each LF Of Cut-Off Section, Add	106.38	
33 42 13 13-0051 LF 9' x 4' Precast Reinforced Concrete Box Culvert For Roadways .....	2,355.27	97.33
For Each LF Of Cut-Off Section, Add	94.21	
33 42 13 13-0052 LF 9' x 6' Precast Reinforced Concrete Box Culvert For Roadways .....	2,701.50	121.66
For Each LF Of Cut-Off Section, Add	108.06	
33 42 13 13-0053 LF 10' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....	2,671.11	121.66
For Each LF Of Cut-Off Section, Add	106.84	
33 42 13 13-0054 LF 10' x 4' Precast Reinforced Concrete Box Culvert For Roadways .....	2,836.97	121.66
For Each LF Of Cut-Off Section, Add	113.48	
33 42 13 13-0055 LF 10' x 5' Precast Reinforced Concrete Box Culvert For Roadways .....	3,050.50	146.00
For Each LF Of Cut-Off Section, Add	122.02	
33 42 13 13-0056 LF 10' x 6' Precast Reinforced Concrete Box Culvert For Roadways .....	3,216.36	146.00
For Each LF Of Cut-Off Section, Add	128.65	
33 42 13 13-0057 LF 10' x 7' Precast Reinforced Concrete Box Culvert For Roadways .....	3,382.24	146.00
For Each LF Of Cut-Off Section, Add	135.29	
33 42 13 13-0058 LF 10' x 8' Precast Reinforced Concrete Box Culvert For Roadways .....	3,548.10	146.00
For Each LF Of Cut-Off Section, Add	141.92	
33 42 13 13-0059 LF 12' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....	3,539.35	170.33
For Each LF Of Cut-Off Section, Add	141.57	
33 42 13 13-0060 LF 12' x 4' Precast Reinforced Concrete Box Culvert For Roadways .....	3,727.88	170.33
For Each LF Of Cut-Off Section, Add	149.12	
33 42 13 13-0061 LF 12' x 6' Precast Reinforced Concrete Box Culvert For Roadways .....	4,105.01	170.33
For Each LF Of Cut-Off Section, Add	164.20	
33 42 13 13-0062 LF 12' x 8' Precast Reinforced Concrete Box Culvert For Roadways .....	4,482.14	170.33
For Each LF Of Cut-Off Section, Add	179.29	
33 42 13 13-0063 LF 16' x 10' Precast Reinforced Concrete Box Culvert For Roadways .....	5,367.87	194.66
For Each LF Of Cut-Off Section, Add	214.71	
33 42 13 13-0064 LF 24' x 10' Precast Reinforced Concrete Box Culvert For Roadways .....	6,792.55	194.66
For Each LF Of Cut-Off Section, Add	271.70	

**33 42 23 Headwalls and Endwalls for Stormwater Piping** <sup>(33 42)</sup>**33 42 23 00-0001 Headwalls** <sup>(33 42 23)</sup>

Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 23 00-0002	<b>Cast In Place Concrete Headwalls</b> (33 42 23 00-0001) Note: Includes concrete, forms, rebar (where required), finish and curing.		
33 42 23 00-0003	<b>Skewed Wingwall, Cast In Place Concrete Headwall</b> (33 42 23 00-0002) Note: Sized by pipe diameter.		
33 42 23 00-0004	EA 12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	1,486.39	621.99
33 42 23 00-0005	EA 15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	1,868.87	663.46
33 42 23 00-0006	EA 18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	2,448.85	869.04
33 42 23 00-0007	EA 24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	3,856.76	1,243.98
33 42 23 00-0008	EA 30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	5,373.34	1,658.65
33 42 23 00-0009	EA 36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	6,380.56	2,186.28
33 42 23 00-0010	EA 42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	8,721.83	3,015.70
33 42 23 00-0011	EA 48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	10,375.66	3,554.20
33 42 23 00-0012	EA 54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	12,472.84	4,326.94
33 42 23 00-0013	EA 60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	14,944.99	5,237.82
33 42 23 00-0014	<b>Precast Concrete Headwalls</b> (33 42 23 00-0001)		
33 42 23 00-0015	EA 12" Pipe, Precast Concrete Headwall.....	877.29	162.43
33 42 23 00-0016	EA 15" Pipe, Precast Concrete Headwall.....	904.37	171.45
33 42 23 00-0017	EA 18" Pipe, Precast Concrete Headwall.....	994.09	194.91
33 42 23 00-0018	EA 24" Pipe, Precast Concrete Headwall.....	1,100.32	207.55
33 42 23 00-0019	EA 30" Pipe, Precast Concrete Headwall.....	1,497.63	243.64
33 42 23 00-0020	EA 36" Pipe, Precast Concrete Headwall.....	1,677.07	252.67
33 42 23 00-0021	EA 42" Pipe, Precast Concrete Headwall.....	2,225.74	300.36
33 42 23 00-0022	EA 48" Pipe, Precast Concrete Headwall.....	2,462.56	330.92
33 42 23 00-0023	EA 54" Pipe, Precast Concrete Headwall.....	2,721.94	350.39
33 42 23 00-0024	EA 60" Pipe, Precast Concrete Headwall.....	3,096.38	350.39
33 42 23 00-0025	EA 72" Pipe, Precast Concrete Headwall.....	3,767.43	437.99
33 42 23 00-0026	EA 84" Pipe, Precast Concrete Headwall.....	5,378.62	525.59
33 42 23 00-0027	<b>Precast Concrete Wingwalls</b> (33 42 23 00-0001)		
33 42 23 00-0028	EA 18" ID Pipe (26" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	5,415.93	1,734.43
33 42 23 00-0029	EA 24" ID Pipe (32" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	5,707.92	1,927.15
33 42 23 00-0030	EA 30" ID Pipe (42" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,194.57	2,248.34
33 42 23 00-0031	EA 33" ID Pipe (46" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	6,681.22	2,569.53
33 42 23 00-0032	EA 36" ID Pipe (50" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,681.22	2,569.53
33 42 23 00-0033	EA 44" ID Pipe (58" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,875.88	2,698.01
33 42 23 00-0034	EA 48" ID Pipe (62" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	12,491.22	2,762.24
33 42 23 00-0035	EA 52" ID Pipe (66" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	12,783.21	2,954.95
33 42 23 00-0036	<b>Precast Concrete Transverse Drainage Interceptor</b> (33 42 23 00-0001)		
33 42 23 00-0037	EA 34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Gate.....	3,099.06	681.31
<b>33 42 26</b>	<b>End Sections for Stormwater Piping</b> (33 42)		
<b>33 42 26 16</b>	<b>Corrugated Metal End Sections for Stormwater Piping</b> (33 42 26)		
33 42 26 16-0001	<b>Corrugated Metal Pipe End Sections</b> (33 42 26 16)		
33 42 26 16-0002	<b>Galvanized Corrugated Steel Pipe End Sections</b> (33 42 26 16-0001)		
33 42 26 16-0003	<b>Type 1 Galvanized Corrugated Steel Pipe End Sections</b> (33 42 26 16-0002) Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004	EA 12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	245.03	63.17
33 42 26 16-0005	EA 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	283.81	67.67
33 42 26 16-0006	EA 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	330.67	72.19
33 42 26 16-0007	EA 21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	399.62	78.96
33 42 26 16-0008	EA 24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	442.50	85.73
33 42 26 16-0009	<b>Type 2 Galvanized Corrugated Steel Pipe End Sections</b> (33 42 26 16-0002) Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010	EA 30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	709.39	97.01
33 42 26 16-0011	EA 36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	923.24	116.80
33 42 26 16-0012	EA 42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,410.84	136.26
33 42 26 16-0013	EA 48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,722.18	155.73
33 42 26 16-0014	EA 54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	2,052.68	194.66
33 42 26 16-0015	EA 60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	2,397.98	233.59



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 26 16-0016</b>	<b>Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections</b> <small>(33 42 26 16-0002)</small>		
	Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017	EA 12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	255.63	63.17
33 42 26 16-0018	EA 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	294.72	67.67
33 42 26 16-0019	EA 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	347.44	72.19
33 42 26 16-0020	EA 21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	419.75	78.96
33 42 26 16-0021	EA 24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	465.33	85.73
33 42 26 16-0022	EA 30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	779.48	97.01
33 42 26 16-0023	EA 36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,009.29	116.80
33 42 26 16-0024	EA 42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,600.87	136.26
33 42 26 16-0025	EA 48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,967.41	155.73
33 42 26 16-0026	EA 54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,300.67	194.66
33 42 26 16-0027	EA 60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,183.43	233.59
33 42 26 16-0028	EA 66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,624.02	350.39
33 42 26 16-0029	EA 72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,248.28	467.19
33 42 26 16-0030	EA 78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,626.54	501.25
33 42 26 16-0031	EA 84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	5,013.85	535.32
<b>33 42 26 16-0032</b>	<b>Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section</b> <small>(33 42 26 16-0002)</small>		
33 42 26 16-0033	EA Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section .....	31.50	
33 42 26 16-0034	EA Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section .....	35.08	
33 42 26 16-0035	EA Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section .....	39.48	
33 42 26 16-0036	EA Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section .....	42.92	
33 42 26 16-0037	EA Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section .....	48.03	
33 42 26 16-0038	EA Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section .....	83.72	
33 42 26 16-0039	EA Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section .....	90.10	
33 42 26 16-0040	EA Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section .....	123.26	
33 42 26 16-0041	EA Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section .....	131.97	
33 42 26 16-0042	EA Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section .....	161.11	
33 42 26 16-0043	EA Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section .....	165.10	
33 42 26 16-0044	EA Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section .....	176.38	
33 42 26 16-0045	EA Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section .....	201.06	
33 42 26 16-0046	EA Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section .....	224.85	
33 42 26 16-0047	EA 84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	230.47	
<b>33 42 26 16-0048</b>	<b>Galvanized Corrugated Steel Pipe-Arch End Sections</b> <small>(33 42 26 16-0001)</small>		
<b>33 42 26 16-0049</b>	<b>Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections</b> <small>(33 42 26 16-0048)</small>		
	Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050	EA 17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	283.81	67.67
33 42 26 16-0051	EA 21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	330.67	72.19
33 42 26 16-0052	EA 24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	399.62	78.96
33 42 26 16-0053	EA 28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	442.50	85.73
<b>33 42 26 16-0054</b>	<b>Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections</b> <small>(33 42 26 16-0048)</small>		
	Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0055	EA 17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	274.66	67.67
33 42 26 16-0056	EA 21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	313.74	72.19
33 42 26 16-0057	EA 24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	351.15	78.96
33 42 26 16-0058	EA 28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	396.22	85.73
33 42 26 16-0059	EA 35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	577.43	97.01
33 42 26 16-0060	EA 42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	842.96	116.80
33 42 26 16-0061	EA 49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,306.52	136.26
33 42 26 16-0062	EA 57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,652.66	155.73
<b>33 42 26 16-0063</b>	<b>Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections</b> <small>(33 42 26 16-0048)</small>		
	Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0064	EA 17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	279.30	67.67
33 42 26 16-0065	EA 21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	323.84	72.19
33 42 26 16-0066	EA 24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	366.93	78.96
33 42 26 16-0067	EA 28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	414.93	85.73
33 42 26 16-0068	EA 35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	609.24	97.01
33 42 26 16-0069	EA 42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	886.35	116.80
33 42 26 16-0070	EA 49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,375.94	136.26
33 42 26 16-0071	EA 57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,732.54	155.73
33 42 26 16-0072	EA 64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	2,085.50	194.66
33 42 26 16-0073	EA 71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	2,738.77	233.59
33 42 26 16-0074	EA 77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	3,825.58	350.39
33 42 26 16-0075	EA 83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	4,245.60	467.19
<b>33 42 26 16-0076</b>	<b>Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section</b> <small>(33 42 26 16-0048)</small>		
33 42 26 16-0077	EA Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section .....	35.08	
33 42 26 16-0078	EA Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section .....	39.48	
33 42 26 16-0079	EA Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section .....	42.92	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0080	EA			Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section .....	48.03	
33 42 26 16-0081	EA			Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section .....	83.72	
33 42 26 16-0082	EA			Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section .....	90.10	
33 42 26 16-0083	EA			Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section .....	123.26	
33 42 26 16-0084	EA			Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section .....	137.22	
33 42 26 16-0085	EA			Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section .....	161.11	
33 42 26 16-0086	EA			Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section .....	167.19	
33 42 26 16-0087	EA			Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section .....	193.41	
33 42 26 16-0088	EA			Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section .....	219.81	
<b>33 42 26 16-0089 Corrugated Aluminum Pipe End Sections (33 42 26 16-0001)</b>						
<b>33 42 26 16-0090 Corrugated Aluminum Pipe End Sections (33 42 26 16-0089)</b>						
33 42 26 16-0091	EA			12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	368.28	63.17
33 42 26 16-0092	EA			15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	424.15	67.67
33 42 26 16-0093	EA			18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	502.42	72.19
33 42 26 16-0094	EA			21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	622.27	78.96
33 42 26 16-0095	EA			24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section .....	811.76	85.73
33 42 26 16-0096	EA			30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section .....	1,215.57	97.01
33 42 26 16-0097	EA			36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section .....	1,654.74	116.80
33 42 26 16-0098	EA			36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	2,057.99	116.80
33 42 26 16-0099	EA			42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	2,624.04	136.26
33 42 26 16-0100	EA			48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	3,742.74	155.73
33 42 26 16-0101	EA			54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	4,147.20	194.66
33 42 26 16-0102	EA			60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	5,587.90	233.59
33 42 26 16-0103	EA			66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	6,334.75	350.39
33 42 26 16-0104	EA			72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	7,413.02	467.19
33 42 26 16-0105	EA			78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	8,095.69	501.25
33 42 26 16-0106	EA			84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	8,542.86	535.32
33 42 26 16-0107	EA			90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	11,677.77	583.98
33 42 26 16-0108	EA			96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	12,926.86	632.65
<b>33 42 26 16-0109 Toe Plate Extensions For Corrugated Aluminum Pipe End Section (33 42 26 16-0089)</b>						
33 42 26 16-0110	EA			Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section .....	57.65	
33 42 26 16-0111	EA			Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section .....	61.11	
33 42 26 16-0112	EA			Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section .....	66.31	
33 42 26 16-0113	EA			Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section .....	74.64	
33 42 26 16-0114	EA			Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section .....	79.18	
33 42 26 16-0115	EA			Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section .....	102.56	
33 42 26 16-0116	EA			Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section .....	123.18	
33 42 26 16-0117	EA			Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section .....	129.91	
33 42 26 16-0118	EA			Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section .....	142.49	
33 42 26 16-0119	EA			Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section .....	161.06	
33 42 26 16-0120	EA			Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section .....	190.40	
33 42 26 16-0121	EA			Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	265.76	
33 42 26 16-0122	EA			Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	286.60	
33 42 26 16-0123	EA			Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	363.83	
33 42 26 16-0124	EA			Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	393.80	
33 42 26 16-0125	EA			Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	419.65	
33 42 26 16-0126	EA			Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	446.78	
33 42 26 16-0127	EA			Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	474.26	
<b>33 42 26 16-0128 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0001)</b>						
<b>33 42 26 16-0129 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0128)</b>						
33 42 26 16-0130	EA			17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	437.19	67.67
33 42 26 16-0131	EA			21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	534.19	72.19
33 42 26 16-0132	EA			24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	580.13	78.96
33 42 26 16-0133	EA			28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	626.02	85.73
33 42 26 16-0134	EA			35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	936.97	97.01
33 42 26 16-0135	EA			42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	1,673.27	116.80
33 42 26 16-0136	EA			42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	1,775.51	116.80
33 42 26 16-0137	EA			49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	2,371.87	136.26
33 42 26 16-0138	EA			57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	3,644.54	155.73
33 42 26 16-0139	EA			64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	4,173.86	194.66
33 42 26 16-0140	EA			71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	5,046.46	233.59
33 42 26 16-0141	EA			77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	8,451.16	350.39
33 42 26 16-0142	EA			83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	8,876.71	467.19
33 42 26 16-0143	EA			87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	9,664.70	501.25
33 42 26 16-0144	EA			95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	10,088.31	535.32
33 42 26 16-0145	EA			103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	10,996.36	583.98
33 42 26 16-0146	EA			112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	11,650.24	632.65
<b>33 42 26 16-0147 Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section (33 42 26 16-0128)</b>						
33 42 26 16-0148	EA			Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	61.11	
33 42 26 16-0149	EA			Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	66.31	
33 42 26 16-0150	EA			Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	69.93	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 26 16-0151	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	76.59	
33 42 26 16-0152	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	87.75	
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	114.66	
33 42 26 16-0154	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	125.40	
33 42 26 16-0155	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	142.49	
33 42 26 16-0156	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	161.06	
33 42 26 16-0157	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	190.40	
33 42 26 16-0158	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	241.88	
33 42 26 16-0159	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	306.59	
33 42 26 16-0160	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	413.82	
33 42 26 16-0161	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	469.89	
33 42 26 16-0162	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	492.22	
33 42 26 16-0163	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	510.47	
33 42 26 16-0164	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	532.77	
<b>33 42 26 16-0165</b>		<b>Low Slope Corrugated Steel Pipe End Sections And Accessories (33 42 26 16-0001)</b>		
<b>33 42 26 16-0166</b>		<b>4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)</b>		
33 42 26 16-0167	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	562.36	67.67
33 42 26 16-0168	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	723.96	72.19
33 42 26 16-0169	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	886.28	78.96
33 42 26 16-0170	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	1,060.11	85.73
33 42 26 16-0171	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	1,121.69	97.01
33 42 26 16-0172	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	1,469.12	116.80
33 42 26 16-0173	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	2,321.50	136.26
<b>33 42 26 16-0174</b>		<b>3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)</b>		
		Note: Includes nut and bolt set.		
33 42 26 16-0175	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section.....	400.57	
33 42 26 16-0176	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section.....	802.79	
33 42 26 16-0177	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section.....	880.97	
33 42 26 16-0178	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section.....	915.92	
<b>33 42 26 16-0179</b>		<b>6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)</b>		
33 42 26 16-0180	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	588.84	67.67
33 42 26 16-0181	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	771.58	72.19
33 42 26 16-0182	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	1,026.44	78.96
33 42 26 16-0183	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	1,205.78	85.73
33 42 26 16-0184	EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	1,430.92	97.01
33 42 26 16-0185	EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	1,742.06	116.80
33 42 26 16-0186	EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	2,662.99	136.26
<b>33 42 26 16-0187</b>		<b>3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)</b>		
		Note: Includes nut and bolt set.		
33 42 26 16-0188	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section.....	779.71	
33 42 26 16-0189	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section.....	827.61	
33 42 26 16-0190	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section.....	910.29	
33 42 26 16-0191	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section.....	956.52	
<b>33 42 26 16-0192</b>		<b>Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section (33 42 26 16-0165)</b>		
33 42 26 16-0193	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section .....	68.13	
33 42 26 16-0194	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section .....	76.48	
33 42 26 16-0195	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section .....	83.24	
33 42 26 16-0196	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section .....	92.95	
33 42 26 16-0197	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section .....	139.63	
33 42 26 16-0198	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section .....	149.87	
33 42 26 16-0199	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section .....	201.39	
<b>33 42 26 16-0200</b>		<b>Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories (33 42 26 16-0001)</b>		
<b>33 42 26 16-0201</b>		<b>4:1 Corrugated Steel Pipe-Arch End Section (33 42 26 16-0200)</b>		
33 42 26 16-0202	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	668.18	72.19
33 42 26 16-0203	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	838.23	78.96
33 42 26 16-0204	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	992.07	85.73
33 42 26 16-0205	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	1,868.78	97.01
<b>33 42 26 16-0206</b>		<b>3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0200)</b>		
		Note: Includes nut and bolt set.		
33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section.....	477.23	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0208 EA 3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section.....	869.31	
33 42 26 16-0209 EA 3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section.....	915.92	
33 42 26 16-0210 EA 3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section.....	1,348.02	
<b>33 42 26 16-0211 Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section</b> <small>(33 42 26 16-0200)</small>		
33 42 26 16-0212 EA Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section .....	68.88	
33 42 26 16-0213 EA Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section .....	78.15	
33 42 26 16-0214 EA Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section .....	85.19	
33 42 26 16-0215 EA Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section .....	101.52	
<b>33 42 26 19 Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping</b> <small>(33 42 26)</small>		
<b>33 42 26 19-0001 Corrugated High Density Polyethylene (HDPE) Pipe End Sections</b> <small>(33 42 26 19)</small>		
33 42 26 19-0002 EA 4" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	53.97	17.87
33 42 26 19-0003 EA 6" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	101.00	26.82
33 42 26 19-0004 EA 8" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	137.33	33.51
33 42 26 19-0005 EA 10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	216.24	53.62
33 42 26 19-0006 EA 12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	257.04	60.33
33 42 26 19-0007 EA 15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	272.80	64.80
33 42 26 19-0008 EA 18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	325.39	71.50
33 42 26 19-0009 EA 24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	420.97	84.90
33 42 26 19-0010 EA 30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	873.80	96.08
33 42 26 19-0011 EA 36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	1,066.57	107.24
<b>33 42 26 23 Concrete End Sections for Stormwater Piping</b> <small>(33 42 26)</small>		
<b>33 42 26 23-0001 Precast Concrete End Sections</b> <small>(33 42 26 23)</small>		
<b>33 42 26 23-0002 Precast Concrete End Sections</b> <small>(33 42 26 23-0001)</small>		
33 42 26 23-0003 EA 12" Diameter Pipe, Precast Concrete End Section.....	597.86	105.85
33 42 26 23-0004 EA 15" Diameter Pipe, Precast Concrete End Section.....	801.40	131.03
33 42 26 23-0005 EA 18" Diameter Pipe, Precast Concrete End Section.....	992.65	165.86
33 42 26 23-0006 EA 21" Diameter Pipe, Precast Concrete End Section.....	1,139.99	198.35
33 42 26 23-0007 EA 24" Diameter Pipe, Precast Concrete End Section.....	1,213.58	229.57
33 42 26 23-0008 EA 27" Diameter Pipe, Precast Concrete End Section.....	1,534.00	290.05
33 42 26 23-0009 EA 30" Diameter Pipe, Precast Concrete End Section.....	1,907.01	435.65
33 42 26 23-0010 EA 36" Diameter Pipe, Precast Concrete End Section.....	2,356.03	549.73
33 42 26 23-0011 EA 42" Diameter Pipe, Precast Concrete End Section.....	2,853.47	689.59
33 42 26 23-0012 EA 48" Diameter Pipe, Precast Concrete End Section.....	3,130.06	777.67
33 42 26 23-0013 EA 54" Diameter Pipe, Precast Concrete End Section.....	3,416.88	871.11
33 42 26 23-0014 EA 60" Diameter Pipe, Precast Concrete End Section.....	3,711.05	968.44
33 42 26 23-0015 EA 66" Diameter Pipe Precast Concrete End Section.....	3,662.55	769.29
33 42 26 23-0016 EA 72" Diameter Pipe Precast Concrete End Section.....	4,203.47	961.59
33 42 26 23-0017 EA 78" Diameter Pipe Precast Concrete End Section.....	5,004.00	1,201.98
33 42 26 23-0018 EA 84" Diameter Pipe Precast Concrete End Section.....	5,923.21	1,442.38
<b>33 42 26 23-0019 Flared Precast Concrete End Sections</b> <small>(33 42 26 23-0001)</small>		
33 42 26 23-0020 EA 12" Diameter Pipe, Flared Precast Concrete End Section.....	751.51	113.39
33 42 26 23-0021 EA 15" Diameter Pipe, Flared Precast Concrete End Section.....	905.48	141.32
33 42 26 23-0022 EA 18" Diameter Pipe, Flared Precast Concrete End Section.....	1,100.20	178.89
33 42 26 23-0023 EA 21" Diameter Pipe, Flared Precast Concrete End Section.....	1,258.34	213.93
33 42 26 23-0024 EA 24" Diameter Pipe, Flared Precast Concrete End Section.....	1,533.79	247.61
33 42 26 23-0025 EA 27" Diameter Pipe, Flared Precast Concrete End Section.....	1,861.74	395.45
33 42 26 23-0026 EA 30" Diameter Pipe, Flared Precast Concrete End Section.....	1,953.51	544.47
33 42 26 23-0027 EA 36" Diameter Pipe, Flared Precast Concrete End Section.....	2,633.38	687.16
33 42 26 23-0028 EA 42" Diameter Pipe, Flared Precast Concrete End Section.....	3,164.68	862.15
33 42 26 23-0029 EA 48" Diameter Pipe, Flared Precast Concrete End Section.....	3,429.25	972.33
33 42 26 23-0030 EA 54" Diameter Pipe, Flared Precast Concrete End Section.....	3,835.83	1,089.03
33 42 26 23-0031 EA 60" Diameter Pipe, Flared Precast Concrete End Section.....	4,250.34	1,209.63
33 42 26 23-0032 EA 66" Diameter Pipe, Flared Precast Concrete End Section.....	4,955.33	1,393.67
33 42 26 23-0033 EA 72" Diameter Pipe, Flared Precast Concrete End Section.....	5,771.07	1,555.54
33 42 26 23-0034 EA 78" Diameter Pipe, Flared Precast Concrete End Section.....	6,542.44	1,749.91
33 42 26 23-0035 EA 84" Diameter Pipe, Flared Precast Concrete End Section.....	7,537.80	1,944.08
<b>33 42 26 23-0036 Elliptical Precast Concrete End Sections</b> <small>(33 42 26 23-0001)</small>		
33 42 26 23-0037 EA 14" x 23" Elliptical Precast Concrete End Section .....	1,308.10	178.89
33 42 26 23-0038 EA 18" x 24" Elliptical Precast Concrete End Section .....	1,492.63	213.93
33 42 26 23-0039 EA 19" x 30" Elliptical Precast Concrete End Section .....	1,824.29	247.61
33 42 26 23-0040 EA 22" x 34" Elliptical Precast Concrete End Section .....	2,178.74	395.45
33 42 26 23-0041 EA 24" x 38" Elliptical Precast Concrete End Section .....	2,237.49	544.47
33 42 26 23-0042 EA 27" x 42" Elliptical Precast Concrete End Section .....	2,635.65	616.11
33 42 26 23-0043 EA 29" x 45" Elliptical Precast Concrete End Section .....	3,033.80	687.16
33 42 26 23-0044 EA 34" x 53" Elliptical Precast Concrete End Section .....	3,632.28	862.15
33 42 26 23-0045 EA 38" x 60" Elliptical Precast Concrete End Section .....	3,921.60	972.33

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 23-0046 EA 43' x 68" Elliptical Precast Concrete End Section.....	4,386.03	1,089.03
33 42 26 23-0047 EA 48' x 76" Elliptical Precast Concrete End Section.....	4,858.72	1,209.63
<b>33 42 31 Stormwater Area Drains and Inlets (33 42)</b>		
33 42 31 00-0001 Storm Drains (33 42 31)		
33 42 31 00-0002 Catch Basins And Inlet Basins (33 42 31 00-0001) Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.		
33 42 31 00-0003 Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0002) Note: Inside dimensions.		
33 42 31 00-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0005 EA 2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	1,603.81	305.93
33 42 31 00-0006 EA 3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	1,912.51	358.45
33 42 31 00-0007 EA 4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	2,221.18	410.88
33 42 31 00-0008 EA 5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	2,529.88	463.40
33 42 31 00-0009 EA 6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	2,838.56	515.84
33 42 31 00-0010 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0011 EA 2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,028.75	304.08
33 42 31 00-0012 EA 3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,518.46	405.44
33 42 31 00-0013 EA 4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	3,228.05	552.88
33 42 31 00-0014 EA 5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	3,922.24	645.03
33 42 31 00-0015 EA 6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	4,485.27	737.17
33 42 31 00-0016 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0017 EA 2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	2,178.69	331.73
33 42 31 00-0018 EA 3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	3,016.66	460.74
33 42 31 00-0019 EA 4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	3,700.28	598.96
33 42 31 00-0020 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	4,273.48	691.10
33 42 31 00-0021 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	5,423.65	884.61
33 42 31 00-0022 Cast In Place, Catch Basin (33 42 31 00-0002) Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.		
33 42 31 00-0023 3' x 3', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0024 EA 3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin .....	2,115.11	369.88
33 42 31 00-0025 EA 3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin .....	2,240.92	393.28
33 42 31 00-0026 EA 4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin .....	2,473.58	422.40
33 42 31 00-0027 EA 4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	2,764.94	467.55
33 42 31 00-0028 EA 5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,005.61	497.69
33 42 31 00-0029 EA 5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,142.62	521.92
33 42 31 00-0030 EA 6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,383.46	552.05
33 42 31 00-0031 EA 6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,517.42	576.38
33 42 31 00-0032 EA 7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,759.76	606.42
33 42 31 00-0033 EA 7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,895.27	630.75
33 42 31 00-0034 EA 8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,136.01	660.87
33 42 31 00-0035 VLF >8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	517.03	82.56
33 42 31 00-0036 3'-6" x 3'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0037 EA 3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,427.66	427.56
33 42 31 00-0038 EA 3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	2,586.77	457.60
33 42 31 00-0039 EA 4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,828.19	487.73
33 42 31 00-0040 EA 4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	3,168.44	540.17
33 42 31 00-0041 EA 5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,430.19	574.26
33 42 31 00-0042 EA 5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	3,588.13	602.55
33 42 31 00-0043 EA 6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,852.75	636.64
33 42 31 00-0044 EA 6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,010.68	664.93
33 42 31 00-0045 EA 7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,273.86	699.03
33 42 31 00-0046 EA 7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,431.74	727.32
33 42 31 00-0047 EA 8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,695.00	761.41
33 42 31 00-0048 VLF >8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	586.90	95.19
33 42 31 00-0049 4' x 4', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0050 EA 3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin .....	2,762.27	489.11
33 42 31 00-0051 EA 3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin .....	2,930.14	520.17
33 42 31 00-0052 EA 4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin .....	3,203.35	556.93
33 42 31 00-0053 EA 4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,593.04	616.74
33 42 31 00-0054 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,273.68	654.80
33 42 31 00-0055 EA 5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,058.90	687.14
33 42 31 00-0056 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,344.53	725.19
33 42 31 00-0057 EA 6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,524.81	757.54
33 42 31 00-0058 EA 7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,810.43	795.60
33 42 31 00-0059 EA 7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,990.64	827.94



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0060 EA 8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,276.28	866.09
33 42 31 00-0061 VLF >8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	659.50	108.27
<b>33 42 31 00-0062 4'-6" x 4'-6", Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0063 EA 3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	3,185.97	567.16
33 42 31 00-0064 EA 3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	3,381.96	599.23
33 42 31 00-0065 EA 4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	3,681.92	640.69
33 42 31 00-0066 EA 4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,126.19	708.70
33 42 31 00-0067 EA 5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,440.58	751.64
33 42 31 00-0068 EA 5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,649.64	788.78
33 42 31 00-0069 EA 6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,963.98	831.71
33 42 31 00-0070 EA 6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,173.04	868.95
33 42 31 00-0071 EA 7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,487.43	911.89
33 42 31 00-0072 EA 7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,694.97	949.02
33 42 31 00-0073 EA 8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,010.83	991.96
33 42 31 00-0074 VLF >8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	751.40	124.03
<b>33 42 31 00-0075 5' x 5', Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0076 EA 4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin .....	4,113.79	719.39
33 42 31 00-0077 EA 4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,608.51	794.95
33 42 31 00-0078 EA 5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,947.14	842.04
33 42 31 00-0079 EA 5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,178.95	883.33
33 42 31 00-0080 EA 6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,514.63	930.32
33 42 31 00-0081 EA 6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,747.94	971.60
33 42 31 00-0082 EA 7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,085.07	1,018.69
33 42 31 00-0083 EA 7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,315.41	1,059.97
33 42 31 00-0084 EA 8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,654.06	1,106.96
33 42 31 00-0085 VLF >8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	1,335.87	138.41
<b>33 42 31 00-0086 5'-6" x 5'-6", Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0087 EA 4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	4,566.73	802.23
33 42 31 00-0088 EA 4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,284.35	908.11
33 42 31 00-0089 EA 5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,656.47	960.45
33 42 31 00-0090 EA 5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,921.75	1,007.36
33 42 31 00-0091 EA 6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,295.34	1,060.06
33 42 31 00-0092 EA 6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	6,562.12	1,106.96
33 42 31 00-0093 EA 7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,934.25	1,159.67
33 42 31 00-0094 EA 7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	7,199.53	1,206.57
33 42 31 00-0095 EA 8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,571.65	1,259.28
33 42 31 00-0096 VLF >8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	946.46	157.38
<b>33 42 31 00-0097 6' x 6', Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0098 EA 4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin .....	5,043.57	888.95
33 42 31 00-0099 EA 4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,834.28	1,005.14
33 42 31 00-0100 EA 5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,231.21	1,062.08
33 42 31 00-0101 EA 5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,521.34	1,113.23
33 42 31 00-0102 EA 6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,916.76	1,170.18
33 42 31 00-0103 EA 6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,208.35	1,221.31
33 42 31 00-0104 EA 7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	7,603.82	1,278.26
33 42 31 00-0105 EA 7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,893.91	1,329.40
33 42 31 00-0106 EA 8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	8,290.84	1,386.35
33 42 31 00-0107 VLF >8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	1,036.41	173.33
<b>33 42 31 00-0108 6'-6" x 6'-6", Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0109 EA 4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	5,541.30	979.80
33 42 31 00-0110 EA 4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	6,624.78	1,135.16
33 42 31 00-0111 EA 5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,058.45	1,198.18
33 42 31 00-0112 EA 5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	7,386.68	1,255.41
33 42 31 00-0113 EA 6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,820.35	1,318.35
33 42 31 00-0114 EA 6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	8,148.59	1,375.66
33 42 31 00-0115 EA 7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	8,582.25	1,438.60
33 42 31 00-0116 EA 7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	8,871.43	1,495.82
33 42 31 00-0117 EA 8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	9,345.62	1,558.85
33 42 31 00-0118 VLF >8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	1,168.16	194.89
<b>33 42 31 00-0119 7' x 7', Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0120 EA 4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin .....	6,061.65	1,074.62
33 42 31 00-0121 EA 4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,247.53	1,244.16
33 42 31 00-0122 EA 5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	7,706.55	1,311.62
33 42 31 00-0123 EA 5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	8,058.77	1,373.18
33 42 31 00-0124 EA 6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	8,519.21	1,440.53
33 42 31 00-0125 EA 6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	8,871.43	1,502.18
33 42 31 00-0126 EA 7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	9,330.45	1,569.54
33 42 31 00-0127 EA 7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	9,684.20	1,631.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0128 EA 8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	10,143.11	1,698.55
33 42 31 00-0129 VLF >8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	1,267.94	212.31
<b>33 42 31 00-0130 7'-6" x 7'-6", Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0131 EA 4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	6,852.29	1,206.11
33 42 31 00-0132 EA 4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	7,895.71	1,357.60
33 42 31 00-0133 EA 5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	8,378.64	1,429.38
33 42 31 00-0134 EA 5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	8,757.72	1,495.36
33 42 31 00-0135 EA 6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	9,242.06	1,567.14
33 42 31 00-0136 EA 6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	9,621.14	1,633.12
33 42 31 00-0137 EA 7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	10,104.07	1,704.90
33 42 31 00-0138 EA 7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	10,483.15	1,770.88
33 42 31 00-0139 EA 8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	10,967.58	1,842.66
33 42 31 00-0140 VLF >8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	1,370.92	230.37
<b>33 42 31 00-0141 8' x 8', Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0142 EA 4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin .....	7,441.20	1,312.26
33 42 31 00-0143 EA 4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	8,567.69	1,475.46
33 42 31 00-0144 EA 5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	9,076.11	1,551.57
33 42 31 00-0145 EA 5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	9,480.55	1,621.97
33 42 31 00-0146 EA 6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	9,988.88	1,698.08
33 42 31 00-0147 EA 6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	10,390.30	1,768.48
33 42 31 00-0148 EA 7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	10,901.64	1,844.60
33 42 31 00-0149 EA 7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	11,306.08	1,915.00
33 42 31 00-0150 EA 8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	11,806.23	1,991.11
33 42 31 00-0151 VLF >8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	1,476.81	248.89
<b>33 42 31 00-0152 Precast Concrete Catch Basins (33 42 31 00-0002)</b>		
Note: Inside dimensions.		
<b>33 42 31 00-0153 1'-6" Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0154 EA 4' Deep, 1'-6" Diameter Precast Catch Basins .....	619.11	198.63
33 42 31 00-0155 EA 6' Deep, 1'-6" Diameter Precast Catch Basins .....	864.67	297.94
33 42 31 00-0156 EA 8' Deep, 1'-6" Diameter Precast Catch Basins .....	1,098.67	387.33
33 42 31 00-0157 EA 10' Deep, 1'-6" Diameter Precast Catch Basins .....	1,314.22	457.84
33 42 31 00-0158 EA 12' Deep, 1'-6" Diameter Precast Catch Basins .....	1,621.41	580.99
33 42 31 00-0159 EA 14' Deep, 1'-6" Diameter Precast Catch Basins .....	1,855.90	670.37
33 42 31 00-0160 VLF Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins .....	129.53	44.69
<b>33 42 31 00-0161 2' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0162 EA 4' Deep, 2' Diameter Precast Catch Basin .....	704.59	220.98
33 42 31 00-0163 EA 6' Deep, 2' Diameter Precast Catch Basin .....	978.70	327.74
33 42 31 00-0164 EA 8' Deep, 2' Diameter Precast Catch Basin .....	1,238.59	432.02
33 42 31 00-0165 EA 10' Deep, 2' Diameter Precast Catch Basin .....	1,476.65	504.02
33 42 31 00-0166 EA 12' Deep, 2' Diameter Precast Catch Basin .....	1,833.26	645.54
33 42 31 00-0167 EA 14' Deep, 2' Diameter Precast Catch Basin .....	2,095.72	744.86
33 42 31 00-0168 VLF Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin .....	146.33	53.63
<b>33 42 31 00-0169 3' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0170 EA 4' Deep, 3' Diameter Precast Catch Basin .....	924.25	260.70
33 42 31 00-0171 EA 6' Deep, 3' Diameter Precast Catch Basin .....	1,266.74	385.35
33 42 31 00-0172 EA 8' Deep, 3' Diameter Precast Catch Basin .....	1,595.99	508.99
33 42 31 00-0173 EA 10' Deep, 3' Diameter Precast Catch Basin .....	1,987.61	635.61
33 42 31 00-0174 EA 12' Deep, 3' Diameter Precast Catch Basin .....	2,349.47	757.77
33 42 31 00-0175 EA 14' Deep, 3' Diameter Precast Catch Basin .....	2,699.61	881.91
33 42 31 00-0176 VLF Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin .....	186.13	62.99
<b>33 42 31 00-0177 4' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0178 EA 4' Deep, 4' Diameter Precast Catch Basin .....	1,113.56	290.00
33 42 31 00-0179 EA 6' Deep, 4' Diameter Precast Catch Basin .....	1,451.88	397.26
33 42 31 00-0180 EA 8' Deep, 4' Diameter Precast Catch Basin .....	1,955.59	595.89
33 42 31 00-0181 EA 10' Deep, 4' Diameter Precast Catch Basin .....	2,440.43	744.86
33 42 31 00-0182 EA 12' Deep, 4' Diameter Precast Catch Basin .....	2,887.03	893.83
33 42 31 00-0183 EA 14' Deep, 4' Diameter Precast Catch Basin .....	3,320.77	1,042.80
33 42 31 00-0184 VLF Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin .....	228.43	74.48
<b>33 42 31 00-0185 5' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0186 EA 4' Deep, 5' Diameter Precast Catch Basin .....	1,500.34	397.26
33 42 31 00-0187 EA 6' Deep, 5' Diameter Precast Catch Basin .....	2,063.28	595.89
33 42 31 00-0188 EA 8' Deep, 5' Diameter Precast Catch Basin .....	2,629.16	794.52
33 42 31 00-0189 EA 10' Deep, 5' Diameter Precast Catch Basin .....	3,218.56	993.15
33 42 31 00-0190 EA 12' Deep, 5' Diameter Precast Catch Basin .....	3,800.14	1,191.78
33 42 31 00-0191 EA 14' Deep, 5' Diameter Precast Catch Basin .....	4,424.69	1,390.41



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0192 VLF Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin .....	303.96	99.31
<b>33 42 31 00-0193 6' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0194 EA 4' Deep, 6' Diameter Precast Catch Basin .....	2,197.88	595.89
33 42 31 00-0195 EA 6' Deep, 6' Diameter Precast Catch Basin .....	2,994.71	893.83
33 42 31 00-0196 EA 8' Deep, 6' Diameter Precast Catch Basin .....	3,844.64	1,191.78
33 42 31 00-0197 EA 10' Deep, 6' Diameter Precast Catch Basin .....	4,792.34	1,489.72
33 42 31 00-0198 EA 12' Deep, 6' Diameter Precast Catch Basin .....	5,713.11	1,787.67
33 42 31 00-0199 EA 14' Deep, 6' Diameter Precast Catch Basin .....	6,614.73	2,085.60
33 42 31 00-0200 VLF Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin .....	453.24	148.97
<b>33 42 31 00-0201 Precast Catch Basins Accessories (33 42 31 00-0152)</b>		
33 42 31 00-0202 EA Single Or Double Wing Slab Top With Throat.....	1,377.62	645.54
33 42 31 00-0203 EA 4' x 4' Weir Box, Precast Catch Basin.....	594.05	79.45
33 42 31 00-0204 EA 4' Diameter Inlet Round To Square Adapter, Precast Catch Basin.....	341.36	84.42
33 42 31 00-0205 EA 3' Diameter, Up To 6" High, Precast Extension Ring.....	428.75	124.15
For Each Additional Inch In Height, Add	50.75	
33 42 31 00-0206 EA 4' Diameter, Up To 6" High, Precast Extension Ring.....	506.21	148.97
For Each Additional Inch In Height, Add	59.52	
33 42 31 00-0207 EA 5' Diameter, Up To 6" High, Precast Extension Ring.....	590.38	173.80
For Each Additional Inch In Height, Add	69.46	
33 42 31 00-0208 EA 6' Diameter, Up To 6" High, Precast Extension Ring.....	744.63	248.28
For Each Additional Inch In Height, Add	82.77	
33 42 31 00-0209 EA Adjust Existing Catch Basin Inlet Grate To Match Grade .....	595.85	
<b>33 42 31 00-0210 Catch Basin Risers (33 42 31 00-0152)</b>		
33 42 31 00-0211 EA Up To 860 Square Inch, Up To 2" Rise, Catch Basin Riser .....	377.65	
33 42 31 00-0212 EA >860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	422.40	
33 42 31 00-0213 EA >1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	475.63	
33 42 31 00-0214 EA Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser .....	406.66	
33 42 31 00-0215 EA >860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser .....	454.42	
33 42 31 00-0216 EA >1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	513.42	
33 42 31 00-0217 EA Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	450.23	
33 42 31 00-0218 EA >860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	492.61	
33 42 31 00-0219 EA >1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	551.81	
<b>33 42 31 00-0220 Cast In Place, Storm Drain Cleanout (33 42 31 00-0002)</b>		
Note: Inside span.		
33 42 31 00-0221 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout .....	4,460.28	729.62
33 42 31 00-0222 EA 6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout .....	5,068.61	832.64
33 42 31 00-0223 EA 6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout .....	5,749.36	944.97
33 42 31 00-0224 EA 7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout .....	6,902.76	1,133.59
33 42 31 00-0225 EA 8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout .....	8,376.95	1,368.57
<b>33 42 31 00-0226 Precast Concrete Inlet Boxes (33 42 31 00-0002)</b>		
Note: Inside dimensions.		
<b>33 42 31 00-0227 Precast Concrete Inlet Boxes (33 42 31 00-0226)</b>		
<b>33 42 31 00-0228 24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
Note: Yard inlet.		
<b>33 42 31 00-0229 24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0228)</b>		
33 42 31 00-0230 EA 24" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	687.98	69.52
33 42 31 00-0231 EA 30" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	809.26	84.42
33 42 31 00-0232 EA 36" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	930.55	99.31
33 42 31 00-0233 EA 42" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	1,053.08	114.83
<b>33 42 31 00-0234 24" x 24" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0228)</b>		
33 42 31 00-0235 EA 6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	175.91	
33 42 31 00-0236 EA 12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	282.29	
33 42 31 00-0237 EA 18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	398.62	
33 42 31 00-0238 EA 24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	514.93	
33 42 31 00-0239 EA 30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	631.25	
33 42 31 00-0240 EA 36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	747.57	
<b>33 42 31 00-0241 22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
<b>33 42 31 00-0242 22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0241)</b>		
33 42 31 00-0243 EA 36" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,418.05	194.66
33 42 31 00-0244 EA 42" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,596.12	225.08
33 42 31 00-0245 EA 48" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,774.21	255.49
33 42 31 00-0246 EA 54" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,952.43	285.98
33 42 31 00-0247 EA 60" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,130.65	316.47
33 42 31 00-0248 EA 66" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,308.86	346.96

<b>33</b>	<b>Utilities</b>
<b>33 40</b>	<b>Stormwater Utilities</b>
<b>33 42</b>	<b>Stormwater Conveyance</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 31 00-0249	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,487.08	377.45
<b>33 42 31 00-0250</b>		<b>22" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0241)</b>		
33 42 31 00-0251	EA	6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	344.68	
33 42 31 00-0252	EA	12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	550.33	
33 42 31 00-0253	EA	18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	600.01	
33 42 31 00-0254	EA	24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	766.92	
33 42 31 00-0255	EA	30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	933.82	
33 42 31 00-0256	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,092.78	
33 42 31 00-0257	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,270.86	
33 42 31 00-0258	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,448.94	
33 42 31 00-0259	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,627.17	
33 42 31 00-0260	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,805.38	
33 42 31 00-0261	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,983.60	
33 42 31 00-0262	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	2,161.82	
<b>33 42 31 00-0263</b>		<b>30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
<b>33 42 31 00-0264</b>		<b>30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0263)</b>		
33 42 31 00-0265	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,371.33	214.13
33 42 31 00-0266	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,550.15	247.58
33 42 31 00-0267	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,728.97	281.04
33 42 31 00-0268	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,907.96	314.58
33 42 31 00-0269	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,086.94	348.12
33 42 31 00-0270	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,265.93	381.66
33 42 31 00-0271	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,444.91	415.19
<b>33 42 31 00-0272</b>		<b>30" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0263)</b>		
33 42 31 00-0273	EA	6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	342.08	
33 42 31 00-0274	EA	12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	540.11	
33 42 31 00-0275	EA	18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	590.73	
33 42 31 00-0276	EA	24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	754.23	
33 42 31 00-0277	EA	30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	917.73	
33 42 31 00-0278	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,080.25	
33 42 31 00-0279	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,256.40	
33 42 31 00-0280	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,431.57	
33 42 31 00-0281	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,607.71	
33 42 31 00-0282	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,782.88	
33 42 31 00-0283	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,959.04	
33 42 31 00-0284	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	2,135.18	
<b>33 42 31 00-0285</b>		<b>42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
<b>33 42 31 00-0286</b>		<b>42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0285)</b>		
33 42 31 00-0287	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,627.95	233.59
33 42 31 00-0288	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,837.84	271.55
33 42 31 00-0289	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,047.75	310.48
33 42 31 00-0290	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,256.68	348.45
33 42 31 00-0291	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,466.59	387.38
33 42 31 00-0292	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,676.49	425.33
33 42 31 00-0293	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,885.42	463.30
<b>33 42 31 00-0294</b>		<b>42" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0285)</b>		
33 42 31 00-0295	EA	6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	376.66	
33 42 31 00-0296	EA	12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	607.31	
33 42 31 00-0297	EA	18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	659.40	
33 42 31 00-0298	EA	24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	844.49	
33 42 31 00-0299	EA	30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,029.56	
33 42 31 00-0300	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,214.66	
33 42 31 00-0301	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,412.88	
33 42 31 00-0302	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,611.10	
33 42 31 00-0303	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,809.32	
33 42 31 00-0304	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,007.56	
33 42 31 00-0305	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,205.78	
33 42 31 00-0306	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,403.99	
<b>33 42 31 00-0307</b>		<b>42" x 48" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0285)</b>		
33 42 31 00-0308	EA	42" x 48" ID, Precast Concrete Inlet Box Top Slab.....	925.46	146.00
<b>33 42 31 00-0309</b>		<b>48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
<b>33 42 31 00-0310</b>		<b>48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0309)</b>		
33 42 31 00-0311	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,299.35	259.55
33 42 31 00-0312	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,578.63	302.21



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0313 EA 48" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,857.91	344.88
33 42 31 00-0314 EA 54" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,136.89	387.38
33 42 31 00-0315 EA 60" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,415.85	429.88
33 42 31 00-0316 EA 66" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,694.82	472.39
33 42 31 00-0317 EA 72" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,973.80	514.90
<b>33 42 31 00-0318 48" x 54" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0309)</b>		
33 42 31 00-0319 EA 6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	378.89	
33 42 31 00-0320 EA 12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	598.80	
33 42 31 00-0321 EA 18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	873.86	
33 42 31 00-0322 EA 24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	1,148.93	
33 42 31 00-0323 EA 30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	1,407.78	
33 42 31 00-0324 EA 36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	1,682.83	
33 42 31 00-0325 EA 42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	1,962.12	
33 42 31 00-0326 EA 48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	2,241.40	
33 42 31 00-0327 EA 54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	2,520.38	
33 42 31 00-0328 EA 60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	2,799.34	
33 42 31 00-0329 EA 66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	3,078.31	
33 42 31 00-0330 EA 72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	3,357.29	
<b>33 42 31 00-0331 48" x 54" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0309)</b>		
33 42 31 00-0332 EA 48" x 54" ID, Precast Concrete Inlet Box Top Slab.....	1,005.75	158.16
<b>33 42 31 00-0333 48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
<b>33 42 31 00-0334 48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0333)</b>		
33 42 31 00-0335 EA 36" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,654.72	327.04
33 42 31 00-0336 EA 42" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,962.91	381.67
33 42 31 00-0337 EA 48" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,271.09	436.31
33 42 31 00-0338 EA 54" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,578.69	490.64
33 42 31 00-0339 EA 60" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,886.28	544.98
33 42 31 00-0340 EA 66" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	4,193.87	599.32
33 42 31 00-0341 EA 72" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	4,501.44	653.66
<b>33 42 31 00-0342 48" x 66" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0333)</b>		
33 42 31 00-0343 EA 6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	416.93	
33 42 31 00-0344 EA 12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	643.09	
33 42 31 00-0345 EA 18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	951.01	
33 42 31 00-0346 EA 24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	1,258.94	
33 42 31 00-0347 EA 30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	1,539.60	
33 42 31 00-0348 EA 36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	1,847.53	
33 42 31 00-0349 EA 42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	2,155.72	
33 42 31 00-0350 EA 48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	2,463.90	
33 42 31 00-0351 EA 54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	2,771.49	
33 42 31 00-0352 EA 60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	3,079.08	
33 42 31 00-0353 EA 66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	3,386.67	
33 42 31 00-0354 EA 72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	3,694.24	
<b>33 42 31 00-0355 48" x 66" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0333)</b>		
33 42 31 00-0356 EA 48" x 66" ID, Precast Concrete Inlet Box Top Slab.....	1,118.35	177.14
<b>33 42 31 00-0357 42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
<b>33 42 31 00-0358 42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0357)</b>		
33 42 31 00-0359 EA 36" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	3,329.42	440.91
33 42 31 00-0360 EA 42" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	3,719.86	513.91
33 42 31 00-0361 EA 48" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	4,110.31	585.93
33 42 31 00-0362 EA 54" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	4,499.79	658.93
33 42 31 00-0363 EA 60" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	4,890.24	730.96
33 42 31 00-0364 EA 66" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	5,279.71	802.98
33 42 31 00-0365 EA 72" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	5,671.12	875.98
<b>33 42 31 00-0366 42" x 102" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0357)</b>		
33 42 31 00-0367 EA 6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	559.80	
33 42 31 00-0368 EA 12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	849.03	
33 42 31 00-0369 EA 18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	1,232.66	
33 42 31 00-0370 EA 24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	1,616.29	
33 42 31 00-0371 EA 30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	1,971.70	
33 42 31 00-0372 EA 36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	2,355.33	
33 42 31 00-0373 EA 42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	2,745.78	
33 42 31 00-0374 EA 48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	3,136.22	
33 42 31 00-0375 EA 54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	3,525.71	
33 42 31 00-0376 EA 60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	3,916.15	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0377 EA 66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	4,305.62	
33 42 31 00-0378 EA 72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	4,696.07	
<b>33 42 31 00-0379 42" x 102" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0357)</b>		
33 42 31 00-0380 EA 42" x 102" ID, Precast Concrete Inlet Box Top Slab.....	1,518.49	194.66
<b>33 42 31 00-0381 Frames And Grates For Inlets (33 42 31 00-0226)</b>		
<b>33 42 31 00-0382 Inlet Frames And Grates (33 42 31 00-0381)</b>		
33 42 31 00-0383 EA 24" x 24", Heavy Duty Inlet Grate.....	377.94	45.12
Note: For type A, B, D, or E inlets.		
33 42 31 00-0384 EA 47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT).....	492.32	45.12
Note: For type A, B, D, or E inlets.		
33 42 31 00-0385 EA 47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT).....	492.32	45.12
Note: Includes legend: Dump No Waste "Drains To Waterways".		
33 42 31 00-0386 EA Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT.....	492.32	45.12
Note: Legend: Dump No Waste "Drains to Waterways"		
33 42 31 00-0387 EA Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362).....	540.19	45.12
33 42 31 00-0388 EA Type B Inlet Dirt Plate (US Foundry 5217 BK).....	391.09	90.24
33 42 31 00-0389 EA Back Plate For Type B Inlets (Campbell Foundry 2548-1942).....	458.11	90.24
33 42 31 00-0390 EA Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4).....	570.24	112.80
Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".		
33 42 31 00-0391 EA 1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	484.08	112.80
33 42 31 00-0392 EA 2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	493.65	112.80
33 42 31 00-0393 EA 2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	512.80	112.80
33 42 31 00-0394 EA 3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	531.95	112.80
33 42 31 00-0395 EA 2" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	512.80	112.80
33 42 31 00-0396 EA 2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	531.95	112.80
33 42 31 00-0397 EA 3" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	551.09	112.80
33 42 31 00-0398 EA 2" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	800.00	112.80
33 42 31 00-0399 EA 2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	838.29	112.80
33 42 31 00-0400 EA 3" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	876.58	112.80
33 42 31 00-0401 EA 2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701).....	589.39	112.80
33 42 31 00-0402 EA 6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6).....	531.95	112.80
33 42 31 00-0403 EA 8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8).....	531.95	112.80
33 42 31 00-0404 EA 6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6).....	1,108.01	112.80
33 42 31 00-0405 EA 8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8).....	1,108.01	112.80
33 42 31 00-0406 EA Safety Bars For Type B And D Inlets (General Foundries 5218 SB).....	439.63	124.08
33 42 31 00-0407 EA 6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648).....	621.52	124.08
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0408 EA 8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848).....	621.52	124.08
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0409 EA 10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048).....	688.53	124.08
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0410 EA Type B Inlet Frame (US Foundry 5216 FRM).....	793.84	124.08
33 42 31 00-0411 EA Type D Inlet Frame (US Foundry 2999 FRM).....	678.96	124.08
33 42 31 00-0412 EA Type B Inlet Frame (Campbell Foundry 2618-0202).....	975.73	124.08
33 42 31 00-0413 EA Type D Inlet Frame (Campbell Foundry 2617-0002).....	860.85	124.08
33 42 31 00-0414 EA Type A Inlet, Single Frame And Grate (US Foundry 52340).....	1,107.67	180.48
33 42 31 00-0415 EA Type E Inlet, Single Frame And Grate (US Foundry 52342).....	1,796.95	180.48
33 42 31 00-0416 EA Type A Inlet, Single Frame And Grate (General Foundries 52340).....	1,078.95	180.48
33 42 31 00-0417 EA Type E Inlet, Double Frame And Grate (General Foundries 52342).....	1,706.96	180.48
33 42 31 00-0418 EA Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340).....	1,814.69	270.72
33 42 31 00-0419 EA Heavy Duty Rectangular Frame And Grate (Campbell Foundry 3084).....	1,850.58	360.95
33 42 31 00-0420 EA 6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186).....	2,033.45	360.95
33 42 31 00-0421 EA 8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198).....	2,033.45	360.95
33 42 31 00-0422 EA 6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266).....	1,794.12	360.95
33 42 31 00-0423 EA 8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268).....	1,794.12	360.95
33 42 31 00-0424 EA Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198).....	2,110.04	360.95
<b>33 42 31 00-0425 Catch Basin Frames And Covers (33 42 31 00-0001)</b>		
<b>33 42 31 00-0426 Cast Iron Frames And Covers (33 42 31 00-0425)</b>		
33 42 31 00-0427 EA 18" Diameter Cast Iron Catch Basin Frame And Cover.....	455.31	99.31
33 42 31 00-0428 EA 22" Diameter Cast Iron Catch Basin Frame And Cover.....	563.36	112.22
33 42 31 00-0429 EA 24" Diameter Cast Iron Catch Basin Frame And Cover.....	626.98	116.19
33 42 31 00-0430 EA 26" Diameter Cast Iron Catch Basin Frame And Cover.....	702.33	135.07
33 42 31 00-0431 EA 28" Diameter Cast Iron Catch Basin Frame And Cover.....	809.38	153.94
33 42 31 00-0432 EA 32" Diameter Cast Iron Catch Basin Frame And Cover.....	1,239.68	160.89
33 42 31 00-0433 EA 16" x 16" Cast Iron Catch Basin Frame And Cover.....	691.40	122.16
33 42 31 00-0434 EA 18" x 24" Cast Iron Catch Basin Frame And Cover.....	885.46	141.02
33 42 31 00-0435 EA 20" x 27" Cast Iron Catch Basin Frame And Cover.....	990.82	146.98
33 42 31 00-0436 EA 23" x 23" Cast Iron Catch Basin Frame And Cover.....	943.08	146.98
33 42 31 00-0437 EA 24" x 24" Cast Iron Catch Basin Frame And Cover.....	975.74	152.95
33 42 31 00-0438 EA 26" x 26" Cast Iron Catch Basin Frame And Cover.....	1,043.42	158.91
33 42 31 00-0439 EA 24" x 36" Cast Iron Catch Basin Frame And Cover.....	1,237.42	170.82





<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 31 00-0440</b> Area Yard Drain <small>(33 42 31 00-0001)</small> See CSI section 22 14 26 16-0001 for drains.		
<b>33 42 31 00-0441</b> Ductile Iron Grates <small>(33 42 31 00-0440)</small> Note: Not for traffic loading.		
33 42 31 00-0442 EA 8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe.....	162.86	33.51
33 42 31 00-0443 EA 10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe.....	202.60	35.75
33 42 31 00-0444 EA 12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	492.68	44.69
33 42 31 00-0445 EA 15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	588.57	53.62
<b>33 42 31 00-0446</b> Concrete Drainage Inlet Structures (CALTRANS) <small>(33 42 31 00-0001)</small>		
<b>33 42 31 00-0447</b> Type OS Concrete Drainage Inlet Structure <small>(33 42 31 00-0446)</small>		
33 42 31 00-0448 EA 3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,326.99	
33 42 31 00-0449 EA 4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,703.33	
33 42 31 00-0450 EA 5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,052.71	
33 42 31 00-0451 EA 6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,375.11	
33 42 31 00-0452 EA 7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,670.58	
33 42 31 00-0453 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,939.06	
33 42 31 00-0454 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	5,359.94	
33 42 31 00-0455 EA 10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,248.47	
33 42 31 00-0456 EA 12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,068.49	
33 42 31 00-0457 EA 14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,822.02	
33 42 31 00-0458 EA 16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,546.91	
33 42 31 00-0459 EA 18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,213.22	
33 42 31 00-0460 EA 20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,820.99	
<b>33 42 31 00-0461</b> Type OL-7 Concrete Drainage Inlet Structure <small>(33 42 31 00-0446)</small>		
33 42 31 00-0462 EA 3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,168.67	
33 42 31 00-0463 EA 4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,520.36	
33 42 31 00-0464 EA 5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,845.09	
33 42 31 00-0465 EA 6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,142.87	
33 42 31 00-0466 EA 7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,412.69	
33 42 31 00-0467 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,656.53	
33 42 31 00-0468 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,035.21	
33 42 31 00-0469 EA 10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,902.93	
33 42 31 00-0470 EA 12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,702.16	
33 42 31 00-0471 EA 14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,433.91	
33 42 31 00-0472 EA 16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,140.76	
33 42 31 00-0473 EA 18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,789.06	
33 42 31 00-0474 EA 20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,378.78	
<b>33 42 31 00-0475</b> Type OL-10 Concrete Drainage Inlet Structure <small>(33 42 31 00-0446)</small>		
33 42 31 00-0476 EA 3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,944.32	
33 42 31 00-0477 EA 4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,273.53	
33 42 31 00-0478 EA 5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,574.77	
33 42 31 00-0479 EA 6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,850.05	
33 42 31 00-0480 EA 7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,097.38	
33 42 31 00-0481 EA 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,317.74	
33 42 31 00-0482 EA 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,710.48	
33 42 31 00-0483 EA 10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,556.40	
33 42 31 00-0484 EA 12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,335.84	
33 42 31 00-0485 EA 14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,046.78	
33 42 31 00-0486 EA 16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,734.62	
33 42 31 00-0487 EA 18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,384.89	
33 42 31 00-0488 EA 20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,935.59	
<b>33 42 31 00-0489</b> Type OL-14 Concrete Drainage Inlet Structure <small>(33 42 31 00-0446)</small>		
33 42 31 00-0490 EA 3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,050.06	
33 42 31 00-0491 EA 4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,346.03	
33 42 31 00-0492 EA 5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,615.04	
33 42 31 00-0493 EA 6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,857.09	
33 42 31 00-0494 EA 7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	6,072.17	
33 42 31 00-0495 EA 8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	6,260.30	
33 42 31 00-0496 EA 8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,667.11	
33 42 31 00-0497 EA 10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,483.49	
33 42 31 00-0498 EA 12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,232.39	
33 42 31 00-0499 EA 14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,913.78	
33 42 31 00-0500 EA 16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,576.98	
33 42 31 00-0501 EA 18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	11,180.63	
33 42 31 00-0502 EA 20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	11,725.72	
<b>33 42 31 00-0503</b> Type OL-21 Concrete Drainage Inlet Structure <small>(33 42 31 00-0446)</small>		
33 42 31 00-0504 EA 3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	7,294.53	
33 42 31 00-0505 EA 4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	7,524.45	
33 42 31 00-0506 EA 5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	7,727.42	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0507 EA 6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	7,903.43	
33 42 31 00-0508 EA 7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	8,051.48	
33 42 31 00-0509 EA 8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	8,173.56	
33 42 31 00-0510 EA 8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,538.17	
33 42 31 00-0511 EA 10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,296.32	
33 42 31 00-0512 EA 12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,986.99	
33 42 31 00-0513 EA 14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,610.16	
33 42 31 00-0514 EA 16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,222.81	
33 42 31 00-0515 EA 18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,775.91	
33 42 31 00-0516 EA 20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	13,270.44	
<b>33 42 31 00-0517 Type GOL-7 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0518 EA 3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,845.31	
33 42 31 00-0519 EA 4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,233.49	
33 42 31 00-0520 EA 5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,590.69	
33 42 31 00-0521 EA 6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,916.95	
33 42 31 00-0522 EA 7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,213.22	
33 42 31 00-0523 EA 8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,479.52	
33 42 31 00-0524 EA 8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,977.77	
33 42 31 00-0525 EA 10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,944.17	
33 42 31 00-0526 EA 12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,834.68	
33 42 31 00-0527 EA 14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,648.30	
33 42 31 00-0528 EA 16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,435.66	
33 42 31 00-0529 EA 18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,157.14	
33 42 31 00-0530 EA 20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,811.75	
<b>33 42 31 00-0531 Type GOL-10 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0532 EA 3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,686.98	
33 42 31 00-0533 EA 4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,049.53	
33 42 31 00-0534 EA 5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,382.09	
33 42 31 00-0535 EA 6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,684.69	
33 42 31 00-0536 EA 7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,956.33	
33 42 31 00-0537 EA 8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,196.99	
33 42 31 00-0538 EA 8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,695.24	
33 42 31 00-0539 EA 10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,638.99	
33 42 31 00-0540 EA 12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,506.84	
33 42 31 00-0541 EA 14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,298.79	
33 42 31 00-0542 EA 16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,066.44	
33 42 31 00-0543 EA 18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,768.21	
33 42 31 00-0544 EA 20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,404.09	
<b>33 42 31 00-0545 Type G-1 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0546 EA 3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,567.82	
33 42 31 00-0547 EA 4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,874.31	
33 42 31 00-0548 EA 5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,158.18	
33 42 31 00-0549 EA 6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,421.40	
33 42 31 00-0550 EA 7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,663.99	
33 42 31 00-0551 EA 8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,883.96	
<b>33 42 31 00-0552 Type G-2 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0553 EA 3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,161.95	
33 42 31 00-0554 EA 4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,506.36	
33 42 31 00-0555 EA 5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,826.13	
33 42 31 00-0556 EA 6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,121.26	
33 42 31 00-0557 EA 7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,391.75	
33 42 31 00-0558 EA 8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,636.61	
33 42 31 00-0559 EA 8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	4,923.84	
33 42 31 00-0560 EA 10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	5,743.57	
33 42 31 00-0561 EA 12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,501.27	
33 42 31 00-0562 EA 14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,196.94	
33 42 31 00-0563 EA 16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,866.22	
33 42 31 00-0564 EA 18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,481.69	
33 42 31 00-0565 EA 20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,042.37	
<b>33 42 31 00-0566 Type G-3 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0567 EA 3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,699.85	
33 42 31 00-0568 EA 4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,002.05	
33 42 31 00-0569 EA 5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,282.61	
33 42 31 00-0570 EA 6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,542.53	
33 42 31 00-0571 EA 7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,779.83	
33 42 31 00-0572 EA 8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,996.50	
<b>33 42 31 00-0573 Type G-4_24 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0574 EA 3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,095.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0575 EA 4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,442.50	
33 42 31 00-0576 EA 5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,764.41	
33 42 31 00-0577 EA 6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,060.70	
33 42 31 00-0578 EA 7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,333.33	
33 42 31 00-0579 EA 8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,580.32	
33 42 31 00-0580 EA 8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	4,895.69	
33 42 31 00-0581 EA 10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	5,717.01	
33 42 31 00-0582 EA 12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,475.29	
33 42 31 00-0583 EA 14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,171.52	
33 42 31 00-0584 EA 16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,841.27	
33 42 31 00-0585 EA 18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,457.21	
33 42 31 00-0586 EA 20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,019.34	
<b>33 42 31 00-0587 Type G-4_18 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0588 EA 3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,161.95	
33 42 31 00-0589 EA 4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,506.36	
33 42 31 00-0590 EA 5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,826.13	
33 42 31 00-0591 EA 6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,121.26	
33 42 31 00-0592 EA 7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,391.75	
33 42 31 00-0593 EA 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,636.61	
33 42 31 00-0594 EA 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	4,923.84	
33 42 31 00-0595 EA 10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	5,743.57	
33 42 31 00-0596 EA 12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,501.27	
33 42 31 00-0597 EA 14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,196.94	
33 42 31 00-0598 EA 16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,866.22	
33 42 31 00-0599 EA 18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,481.69	
33 42 31 00-0600 EA 20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,042.37	
<b>33 42 31 00-0601 Type G-5 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0602 EA 3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,683.35	
33 42 31 00-0603 EA 4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,985.84	
33 42 31 00-0604 EA 5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,267.67	
33 42 31 00-0605 EA 6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,526.90	
33 42 31 00-0606 EA 7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,765.48	
33 42 31 00-0607 EA 8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,982.44	
<b>33 42 31 00-0608 Type G-6 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0609 EA 3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,716.35	
33 42 31 00-0610 EA 4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,018.26	
33 42 31 00-0611 EA 5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,298.53	
33 42 31 00-0612 EA 6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,557.18	
33 42 31 00-0613 EA 7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,794.20	
33 42 31 00-0614 EA 8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,010.57	
<b>33 42 31 00-0615 Type GT1 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0616 EA 3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,871.60	
33 42 31 00-0617 EA 4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,343.98	
33 42 31 00-0618 EA 5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,814.52	
33 42 31 00-0619 EA 6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,187.79	
33 42 31 00-0620 EA 7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,558.24	
33 42 31 00-0621 EA 8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,895.69	
<b>33 42 31 00-0622 Type GT2 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0623 EA 3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,482.23	
33 42 31 00-0624 EA 4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,996.48	
33 42 31 00-0625 EA 5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,472.63	
33 42 31 00-0626 EA 6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,911.68	
33 42 31 00-0627 EA 7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,312.64	
33 42 31 00-0628 EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,676.47	
33 42 31 00-0629 EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,596.76	
33 42 31 00-0630 EA 10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,805.32	
33 42 31 00-0631 EA 12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,920.94	
33 42 31 00-0632 EA 14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,944.62	
33 42 31 00-0633 EA 16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,930.98	
33 42 31 00-0634 EA 18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,836.63	
33 42 31 00-0635 EA 20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	13,661.59	
<b>33 42 31 00-0636 Type GT3 Concrete Drainage Inlet Structure (33 42 31 00-0446)</b>		
33 42 31 00-0637 EA 3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,855.09	
33 42 31 00-0638 EA 4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,327.77	
33 42 31 00-0639 EA 5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,767.45	
33 42 31 00-0640 EA 6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,173.15	
33 42 31 00-0641 EA 7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,543.88	
33 42 31 00-0642 EA 8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,881.62	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>33 42 31 00-0643</b>	<b>Type GT4 Concrete Drainage Inlet Structure</b> (33 42 31 00-0446)		
33 42 31 00-0644	EA 3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,597.75	
33 42 31 00-0645	EA 4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,108.01	
33 42 31 00-0646	EA 5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,581.14	
33 42 31 00-0647	EA 6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,016.19	
33 42 31 00-0648	EA 7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,414.12	
33 42 31 00-0649	EA 8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,774.95	
33 42 31 00-0650	EA 8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,610.84	
33 42 31 00-0651	EA 10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,819.10	
33 42 31 00-0652	EA 12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,934.43	
33 42 31 00-0653	EA 14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,956.83	
33 42 31 00-0654	EA 16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,942.96	
33 42 31 00-0655	EA 18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,848.39	
33 42 31 00-0656	EA 20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	13,673.12	
<b>33 42 31 00-0657</b>	<b>Type GO Concrete Drainage Inlet Structure</b> (33 42 31 00-0446)		
33 42 31 00-0658	EA 3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,046.43	
33 42 31 00-0659	EA 4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,378.63	
33 42 31 00-0660	EA 5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,686.77	
33 42 31 00-0661	EA 6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,970.85	
33 42 31 00-0662	EA 7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,230.86	
33 42 31 00-0663	EA 8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,467.78	
33 42 31 00-0664	EA 8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	4,769.07	
33 42 31 00-0665	EA 10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	5,564.47	
33 42 31 00-0666	EA 12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,298.09	
33 42 31 00-0667	EA 14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,971.92	
33 42 31 00-0668	EA 16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,621.49	
33 42 31 00-0669	EA 18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,217.27	
33 42 31 00-0670	EA 20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,761.27	
<b>33 42 31 00-0671</b>	<b>Type GDO Concrete Drainage Inlet Structure</b> (33 42 31 00-0446)		
33 42 31 00-0672	EA 3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,673.56	
33 42 31 00-0673	EA 4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,110.23	
33 42 31 00-0674	EA 5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,515.40	
33 42 31 00-0675	EA 6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,890.08	
33 42 31 00-0676	EA 7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,232.28	
33 42 31 00-0677	EA 8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,543.99	
33 42 31 00-0678	EA 8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,133.69	
33 42 31 00-0679	EA 10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,158.81	
33 42 31 00-0680	EA 12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,105.67	
33 42 31 00-0681	EA 14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,975.23	
33 42 31 00-0682	EA 16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,812.26	
33 42 31 00-0683	EA 18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,581.31	
33 42 31 00-0684	EA 20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,282.39	
<b>33 42 33</b>	<b>Stormwater Curbside Drains and Inlets</b> (33 42)		
<b>33 42 33 00-0001</b>	<b>Curb Inlet Frames And Covers</b> (33 42 33)		
<b>33 42 33 00-0002</b>	<b>Cast Iron Curb Inlet Frames And Covers</b> (33 42 33 00-0001)		
33 42 33 00-0003	EA 20" x 22" Cast Iron Curb Inlet Frame And Cover .....	845.94	116.19
33 42 33 00-0004	EA 22" x 24" Cast Iron Curb Inlet Frame And Cover .....	906.97	135.07
33 42 33 00-0005	EA 24" x 24" Cast Iron Curb Inlet Frame And Cover .....	938.25	135.07
33 42 33 00-0006	EA 27" x 27" Cast Iron Curb Inlet Frame And Cover .....	1,028.06	158.91
33 42 33 00-0007	EA 36" x 24" Cast Iron Curb Inlet Frame And Cover .....	1,023.66	169.83
<b>33 42 36</b>	<b>Stormwater Trench Drains</b> (33 42)		
<b>33 42 36 00-0001</b>	<b>Modular Trench Drains</b> (33 42 36) See CSI section 03 31 13 00-0011 for concrete.		
<b>33 42 36 00-0002</b>	<b>Modular Trench Drains</b> (33 42 36 00-0001) Note: Excludes grates. See CSI section 33 42 36 00-00118 for grates.		
<b>33 42 36 00-0003</b>	<b>4" Wide, Modular Trench Drains</b> (33 42 36 00-0002)		
<b>33 42 36 00-0004</b>	<b>4 Wide, High Density Polyethylene, Shallow Modular Trench Drains</b> (33 42 36 00-0003)		
<b>33 42 36 00-0005</b>	<b>4 Wide, High Density Polyethylene, Shallow Modular Trench Drains</b> (33 42 36 00-0004)		
33 42 36 00-0006	LF 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain (Zurn Z844-C) .....	62.53	15.89
	For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	99.22	
	For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	198.45	
	For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	317.52	
	For Type 304 Stainless Steel Top Veneer Frame, Add	79.38	
	For Aluminum Veneer Bronze Anodized Frame, Add	39.69	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 36 00-0007</b> <b>Outlet Adapters For 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains</b> <small>(33 42 36 00-0004)</small>		
33 42 36 00-0008    EA    Closed End Cap For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain .....	47.72	
33 42 36 00-0009    EA    No-Hub End Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain .....	57.65	
33 42 36 00-0010    EA    No-Hub Bottom Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain .....	57.65	
<b>33 42 36 00-0011</b> <b>6" Wide, Modular Trench Drains</b> <small>(33 42 36 00-0002)</small>		
<b>33 42 36 00-0012</b> <b>6" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0011)</small>		
<b>33 42 36 00-0013</b> <b>6" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0012)</small>		
33 42 36 00-0014    LF    6" Wide, High Density Polyethylene, Modular Trench Drain .....	201.45	15.89
For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	99.22	
For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	198.45	
For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	317.52	
For Type 304 Stainless Steel Top Veneer Frame, Add	79.38	
For Aluminum Veneer Bronze Anodized Frame, Add	39.69	
<b>33 42 36 00-0015</b> <b>Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0012)</small>		
33 42 36 00-0016    EA    Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	91.31	
33 42 36 00-0017    EA    No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	101.24	
33 42 36 00-0018    EA    No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	101.24	
<b>33 42 36 00-0019</b> <b>Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0012)</small>		
33 42 36 00-0020    EA    Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	177.62	
33 42 36 00-0021    EA    Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	177.62	
33 42 36 00-0022    EA    90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	843.45	
33 42 36 00-0023    EA    Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	1,637.25	
33 42 36 00-0024    EA    Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	198.45	
<b>33 42 36 00-0025</b> <b>6" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> <small>(33 42 36 00-0011)</small>		
<b>33 42 36 00-0026</b> <b>6" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> <small>(33 42 36 00-0025)</small>		
33 42 36 00-0027    LF    6" Wide, Fiber Reinforced Polyester, Modular Trench Drain .....	294.72	15.89
For Black Acid Resistant Coated Frame, Add	75.41	
For Galvanized Top Frame Assembly, Add	75.41	
For Type 304 Stainless Steel Top Frame Assembly, Add	277.83	
<b>33 42 36 00-0028</b> <b>Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> <small>(33 42 36 00-0025)</small>		
33 42 36 00-0029    EA    Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	99.25	
33 42 36 00-0030    EA    No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	109.18	
33 42 36 00-0031    EA    No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	109.18	
<b>33 42 36 00-0032</b> <b>Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> <small>(33 42 36 00-0025)</small>		
33 42 36 00-0033    EA    Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	177.62	
33 42 36 00-0034    EA    Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	177.62	
33 42 36 00-0035    EA    90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	843.45	
33 42 36 00-0036    EA    Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	1,637.25	
33 42 36 00-0037    EA    Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	198.45	
<b>33 42 36 00-0038</b> <b>6" Wide, Vinylester Fiberglass, Modular Trench Drains</b> <small>(33 42 36 00-0011)</small>		
<b>33 42 36 00-0039</b> <b>6" Wide, Vinylester Fiberglass, Modular Trench Drains</b> <small>(33 42 36 00-0038)</small>		
33 42 36 00-0040    LF    6" Wide, Vinylester Fiberglass, Modular Trench Drain .....	382.04	15.89
For Black Acid Resistant Coated Frame, Add	75.41	
For Galvanized Top Frame Assembly, Add	75.41	
For Type 304 Stainless Steel Top Frame Assembly, Add	277.83	
<b>33 42 36 00-0041</b> <b>Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains</b> <small>(33 42 36 00-0038)</small>		
33 42 36 00-0042    EA    Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	162.75	
33 42 36 00-0043    EA    No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	172.68	
33 42 36 00-0044    EA    No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	172.68	
<b>33 42 36 00-0045</b> <b>Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains</b> <small>(33 42 36 00-0038)</small>		
33 42 36 00-0046    EA    Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	177.62	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0047 EA Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	177.62	
33 42 36 00-0048 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	843.45	
33 42 36 00-0049 EA Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	1,637.25	
33 42 36 00-0050 EA Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	198.45	
<b>33 42 36 00-0051 6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0011)</b>		
<b>33 42 36 00-0052 6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0051)</b>		
33 42 36 00-0053 LF 6" Wide, Polymer Concrete, Modular Trench Drain .....	442.26	
<b>33 42 36 00-0054 Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0051)</b>		
33 42 36 00-0055 EA Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain.....	175.04	
33 42 36 00-0056 EA No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain.....	212.97	
33 42 36 00-0057 EA No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain.....	66.43	
<b>33 42 36 00-0058 12" Wide, Modular Trench Drains (33 42 36 00-0002)</b>		
<b>33 42 36 00-0059 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0058)</b>		
<b>33 42 36 00-0060 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0059)</b>		
33 42 36 00-0061 LF 12" Wide, High Density Polyethylene, Modular Trench Drain .....	381.05	21.85
<i>For Acid Resistant Coated Top Frame, Add</i>	103.19	
<i>For Galvanized Welded Frame Assembly, Add</i>	108.16	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	619.16	
<b>33 42 36 00-0062 Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0059)</b>		
33 42 36 00-0063 EA End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	189.22	
33 42 36 00-0064 EA No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	202.45	
33 42 36 00-0065 EA No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	202.45	
<b>33 42 36 00-0066 Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0059)</b>		
33 42 36 00-0067 EA Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	318.05	
33 42 36 00-0068 EA Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	417.27	
33 42 36 00-0069 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	1,663.99	
33 42 36 00-0070 EA Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	3,251.59	
33 42 36 00-0071 EA Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	396.90	
<b>33 42 36 00-0072 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0058)</b>		
<b>33 42 36 00-0073 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0072)</b>		
33 42 36 00-0074 LF 12" Wide, Fiber Reinforced Polyester, Modular Trench Drain.....	480.28	21.85
<i>For Acid Resistant Coated Top Frame, Add</i>	103.19	
<i>For Galvanized Welded Frame Assembly, Add</i>	108.16	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	619.16	
<b>33 42 36 00-0075 Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0072)</b>		
33 42 36 00-0076 EA End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	197.16	
33 42 36 00-0077 EA No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	210.39	
33 42 36 00-0078 EA No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	210.39	
<b>33 42 36 00-0079 Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0072)</b>		
33 42 36 00-0080 EA Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	318.05	
33 42 36 00-0081 EA Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	417.27	
33 42 36 00-0082 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	1,663.99	
33 42 36 00-0083 EA Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	3,251.59	
33 42 36 00-0084 EA Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	396.90	
<b>33 42 36 00-0085 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0058)</b>		
<b>33 42 36 00-0086 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)</b>		
33 42 36 00-0087 LF 12" Wide, Vinylester Fiberglass, Modular Trench Drain.....	678.73	21.85
<i>For Acid Resistant Coated Top Frame, Add</i>	103.19	
<i>For Galvanized Welded Frame Assembly, Add</i>	108.16	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	619.16	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 36 00-0088</b> <b>Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains</b> <small>(33 42 36 00-0085)</small>		
33 42 36 00-0089    EA    End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	494.83	
33 42 36 00-0090    EA    No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains .....	508.06	
33 42 36 00-0091    EA    No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains .....	508.06	
<b>33 42 36 00-0092</b> <b>Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains</b> <small>(33 42 36 00-0085)</small>		
33 42 36 00-0093    EA    Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains .....	318.05	
33 42 36 00-0094    EA    Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains .....	417.27	
33 42 36 00-0095    EA    90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains .....	1,663.99	
33 42 36 00-0096    EA    Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains .....	3,251.59	
33 42 36 00-0097    EA    Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	396.90	
<b>33 42 36 00-0098</b> <b>12" Wide, Polymer Concrete, Modular Trench Drains</b> <small>(33 42 36 00-0098)</small>		
<b>33 42 36 00-0099</b> <b>12" Wide, Polymer Concrete, Modular Trench Drains</b> <small>(33 42 36 00-0098)</small>		
33 42 36 00-0100    LF    12" Wide, Polymer Concrete, Modular Trench Drain .....	593.21	
<b>33 42 36 00-0101</b> <b>Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains</b> <small>(33 42 36 00-0098)</small>		
33 42 36 00-0102    EA    Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain.....	298.08	
33 42 36 00-0103    EA    No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	513.85	
33 42 36 00-0104    EA    No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	117.21	
<b>33 42 36 00-0105</b> <b>23" Wide, Modular Trench Drains</b> <small>(33 42 36 00-0002)</small>		
<b>33 42 36 00-0106</b> <b>23" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0105)</small>		
<b>33 42 36 00-0107</b> <b>23" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0105)</small>		
33 42 36 00-0108    LF    23" Wide, High Density Polyethylene, Modular Trench Drain .....	534.54	29.80
<i>For Acid Resistant Coated Frame, Add</i>	<i>154.79</i>	
<i>For Galvanized Frame Assembly, Add</i>	<i>154.79</i>	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	<i>952.56</i>	
<b>33 42 36 00-0109</b> <b>Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0106)</small>		
33 42 36 00-0110    EA    End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	606.85	
33 42 36 00-0111    EA    No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	882.08	
33 42 36 00-0112    EA    No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	882.08	
<b>33 42 36 00-0113</b> <b>Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0106)</small>		
33 42 36 00-0114    EA    Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	724.37	
33 42 36 00-0115    EA    90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	3,299.33	
33 42 36 00-0116    EA    Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	6,474.53	
33 42 36 00-0117    EA    Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains .....	793.80	
<b>33 42 36 00-0118</b> <b>Modular Trench Drain Grates</b> <small>(33 42 36 00-0001)</small>		
<b>33 42 36 00-0119</b> <b>4" Wide, Modular Trench Drain Grates</b> <small>(33 42 36 00-0118)</small>		
33 42 36 00-0120    LF    4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP) .....	40.47	2.98
33 42 36 00-0121    LF    4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG).....	42.56	2.98
33 42 36 00-0122    LF    4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG) .....	34.20	2.98
33 42 36 00-0123    LF    4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS) .....	91.64	2.98
33 42 36 00-0124    LF    4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG).....	34.20	2.98
33 42 36 00-0125    LF    4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS) .....	91.64	2.98
<b>33 42 36 00-0126</b> <b>6" Wide, Modular Trench Drain Grates</b> <small>(33 42 36 00-0118)</small>		
33 42 36 00-0127    LF    6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate .....	195.47	2.98
33 42 36 00-0128    LF    6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate.....	165.51	2.98
33 42 36 00-0129    LF    6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate .....	173.84	2.98
33 42 36 00-0130    LF    6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	151.81	2.98
33 42 36 00-0131    LF    6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	163.72	2.98
33 42 36 00-0132    LF    6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	165.70	2.98
33 42 36 00-0133    LF    6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate .....	165.70	2.98
33 42 36 00-0134    LF    6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate .....	163.72	2.98
33 42 36 00-0135    LF    6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate.....	143.88	2.98
33 42 36 00-0136    LF    6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate .....	143.88	2.98
33 42 36 00-0137    LF    6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate .....	153.00	2.98
33 42 36 00-0138    LF    6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate .....	153.00	2.98
33 42 36 00-0139    LF    6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate .....	199.44	2.98
33 42 36 00-0140    LF    6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate .....	199.44	2.98

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0141 LF 6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	366.14	2.98
33 42 36 00-0142 LF 6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate.....	366.14	2.98
33 42 36 00-0143 LF 6" Wide, Stainless Steel Bar, Modular Trench Drain Grate.....	1,021.02	2.98
33 42 36 00-0144 LF 6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate.....	135.94	2.98
33 42 36 00-0145 LF 6" Wide, Fiberglass, Modular Trench Drain Grate.....	294.70	2.98
<b>33 42 36 00-0146 12" Wide, Modular Trench Drain Grates (33 42 36 00-0118)</b>		
33 42 36 00-0147 LF 12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate.....	541.28	3.23
33 42 36 00-0148 LF 12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	517.46	3.23
33 42 36 00-0149 LF 12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	449.99	3.23
33 42 36 00-0150 LF 12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	472.81	3.23
33 42 36 00-0151 LF 12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate.....	408.31	3.23
33 42 36 00-0152 LF 12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	800.25	3.23
33 42 36 00-0153 LF 12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	800.25	3.23
33 42 36 00-0154 LF 12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate.....	1,021.52	3.23
33 42 36 00-0155 LF 12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	1,021.52	3.23
33 42 36 00-0156 LF 12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	1,304.32	3.23
33 42 36 00-0157 LF 12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate.....	1,304.32	3.23
33 42 36 00-0158 LF 12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate.....	1,237.83	3.23
33 42 36 00-0159 LF 12" Wide, Fiberglass, Modular Trench Drain Grate.....	583.94	3.23
<b>33 42 36 00-0160 23" Wide, Modular Trench Drain Grates (33 42 36 00-0118)</b>		
33 42 36 00-0161 LF 23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	855.33	3.48
33 42 36 00-0162 LF 23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	720.38	3.48
33 42 36 00-0163 LF 23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	1,117.28	3.48
33 42 36 00-0164 LF 23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate.....	827.54	3.48
<b>33 44 Storm Utility Water Drains (33 40)</b>		
<b>33 44 36 Oil and Stormwater Separators (33 44)</b>		
<b>33 44 36 00-0001 Oil/Water Separator (33 44 36)</b>		
Note: Complete with internal sensors and detectors.		
<b>33 44 36 00-0002 Coalescing Oil Water Separator (33 44 36 00-0001)</b>		
Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.		
<b>33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)</b>		
33 44 36 00-0004 EA 550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways.....	17,601.11	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
For Interior Polyurethane Coating, Add	711.00	
33 44 36 00-0005 EA 1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways.....	21,532.88	
Note: HTC-G 1000. 4' diameter x 14' long tank.		
For Interior Polyurethane Coating, Add	893.70	
33 44 36 00-0006 EA 2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways.....	25,783.55	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
For Interior Polyurethane Coating, Add	1,340.10	
<b>33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)</b>		
33 44 36 00-0008 EA 550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	27,332.83	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
For Interior Polyurethane Coating, Add	711.00	
33 44 36 00-0009 EA 1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	31,435.86	
Note: HTC-G 1000. 4' diameter x 14' long tank.		
For Interior Polyurethane Coating, Add	893.70	
33 44 36 00-0010 EA 2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	38,387.04	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
For Interior Polyurethane Coating, Add	1,340.10	
33 44 36 00-0011 EA 3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	44,677.69	
Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.		
For Interior Polyurethane Coating, Add	1,550.70	
33 44 36 00-0012 EA 5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	59,309.04	
Note: HTC-G 5000. 6' diameter x 28'-8" long tank.		
For Interior Polyurethane Coating, Add	2,057.80	
<b>33 44 36 00-0013 Accessories For Coalescing Oil Water Separators (33 44 36 00-0002)</b>		
33 44 36 00-0014 EA Single Channel Alarm Panel For Coalescing Oil Water Separator.....	1,075.09	
Note: HTAP1.		
33 44 36 00-0015 EA Two Channel Alarm Panel For Coalescing Oil Water Separator.....	1,464.19	
Note: HTAP2.		
33 44 36 00-0016 EA Float Interface Sensor For Coalescing Oil Water Separator.....	874.49	
Note: Required for UL 2215 label.		
33 44 36 00-0017 EA 1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator.....	643.44	
Note: Required for UL 2215 label.		
33 44 36 00-0018 EA Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator.....	210.21	
Note: Required for UL 2215 label.		





<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Stormwater Utilities</b>	<b>33 40</b>	
<b>Storm Utility Water Drains</b>	<b>33 44</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0019 EA 550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator .....	3,728.65	
33 44 36 00-0020 EA 3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator .....	7,457.30	
33 44 36 00-0021 EA 5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator .....	11,186.04	
33 44 36 00-0022 EA 550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator .....	667.81	
33 44 36 00-0023 EA 2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator .....	791.04	
33 44 36 00-0024 EA 3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator .....	1,582.06	
33 44 36 00-0025 EA 5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator .....	3,528.39	
33 44 36 00-0026 EA 30" Diameter Grade Level Manway For Coalescing Oil Water Separator .....	956.62	
Note: Required when installed in paved areas.		
33 44 36 00-0027 EA 36" Diameter Grade Level Manway For Coalescing Oil Water Separator .....	1,249.01	
Note: Required when installed in paved areas.		
33 44 36 00-0028 EA 48" Diameter Grade Level Manway For Coalescing Oil Water Separator .....	1,733.94	
Note: Required when installed in paved areas.		
33 44 36 00-0029 EA 54" x 54" Grade Level Manway For Coalescing Oil Water Separator .....	3,174.18	
Note: Required when installed in paved areas.		
33 44 36 00-0030 EA 66" x 54" Grade Level Manway For Coalescing Oil Water Separator .....	4,086.85	
Note: Required when installed in paved areas.		
33 44 36 00-0031 EA 66" x 66" Grade Level Manway For Coalescing Oil Water Separator .....	5,134.30	
Note: Required when installed in paved areas.		
33 44 36 00-0032 EA 78" x 66" Grade Level Manway For Coalescing Oil Water Separator .....	6,478.27	
Note: Required when installed in paved areas.		
33 44 36 00-0033 EA 550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator .....	1,284.28	
33 44 36 00-0034 EA 1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator .....	1,565.40	
33 44 36 00-0035 EA 2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator .....	2,458.81	
33 44 36 00-0036 EA 550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator .....	1,224.59	
33 44 36 00-0037 EA 1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator .....	1,486.46	
33 44 36 00-0038 EA 2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator .....	1,763.72	
33 44 36 00-0039 EA 18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator .....	103.97	
33 44 36 00-0040 EA 24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator .....	117.45	
<b>33 44 36 00-0041 Oil Skimmers (33 44 36)</b>		
<b>33 44 36 00-0042 Oil Skimmers, 12" And 24" Models (33 44 36 00-0041)</b>		
33 44 36 00-0043 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase .....	5,021.00	585.94
33 44 36 00-0044 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase .....	5,256.80	585.94
33 44 36 00-0045 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase .....	5,042.84	585.94
33 44 36 00-0046 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase .....	5,345.22	585.94
33 44 36 00-0047 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....	5,290.64	585.94
33 44 36 00-0048 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....	5,490.41	585.94
33 44 36 00-0049 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase .....	5,341.94	585.94
33 44 36 00-0050 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase .....	5,643.24	585.94
33 44 36 00-0051 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase .....	5,665.13	781.42
33 44 36 00-0052 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase .....	5,917.30	781.42
33 44 36 00-0053 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase .....	5,731.72	781.42
33 44 36 00-0054 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase .....	6,094.15	781.42
33 44 36 00-0055 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....	6,302.65	781.42
33 44 36 00-0056 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....	6,554.82	781.42
33 44 36 00-0057 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase .....	6,356.14	781.42
33 44 36 00-0058 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase .....	6,719.66	781.42
<b>33 44 36 00-0059 Oil Skimmers, Add-Ons (33 44 36 00-0041)</b>		
33 44 36 00-0060 LF Add For Belt Projection, 12" Width .....	16.37	
33 44 36 00-0061 LF Add For Belt Projection, 24" Width .....	30.57	
33 44 36 00-0062 LF Add For Spacer Stands, 12" Models .....	259.20	
33 44 36 00-0063 LF Add For Spacer Stands, 24" Models .....	307.23	
<b>33 46 Stormwater Management (33 40)</b>		
<b>33 46 23 Modular Buried Stormwater Storage Units (33 46)</b>		
<b>33 46 23 00-0001 Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™) (33 46 23)</b>		
Note: Includes chambers and end caps delivery to site. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, geotextile fabrics and cutting holes in chambers. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.		
<b>33 46 23 00-0002 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) (33 46 23 00-0001)</b>		
33 46 23 00-0003 EA Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) .....	533.80	
33 46 23 00-0004 EA >10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) .....	493.86	
33 46 23 00-0005 EA >20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) .....	464.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0006 EA >30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) .....	436.03	
33 46 23 00-0007 EA Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740) .....	215.22	
33 46 23 00-0008 EA >10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740) .....	191.21	
33 46 23 00-0009 EA >20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740) .....	176.94	
33 46 23 00-0010 EA >30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740) .....	162.89	
<b>33 46 23 00-0011 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) (33 46 23 00-0001)</b>		
33 46 23 00-0012 EA Up To 10, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) .....	300.48	
33 46 23 00-0013 EA >10 To 20, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) .....	276.04	
33 46 23 00-0014 EA >20 To 30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) .....	258.69	
33 46 23 00-0015 EA >30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) .....	242.78	
33 46 23 00-0016 EA Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310) .....	167.53	
33 46 23 00-0017 EA >10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310) .....	149.72	
33 46 23 00-0018 EA >20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310) .....	138.67	
33 46 23 00-0019 EA >30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310) .....	128.75	
<b>33 46 23 00-0020 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) (33 46 23 00-0001)</b>		
33 46 23 00-0021 EA Up To 10, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) .....	915.78	
33 46 23 00-0022 EA >10 To 20, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) .....	855.10	
33 46 23 00-0023 EA >20 To 30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) .....	805.84	
33 46 23 00-0024 EA >30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) .....	760.83	
33 46 23 00-0025 EA Up To 10, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500) .....	769.22	
33 46 23 00-0026 EA >10 To 20, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500) .....	715.85	
33 46 23 00-0027 EA >20 To 30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500) .....	673.57	
33 46 23 00-0028 EA >30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500) .....	635.17	
<b>33 46 23 00-0029 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) (33 46 23 00-0001)</b>		
33 46 23 00-0030 EA Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) .....	554.81	
33 46 23 00-0031 EA >10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) .....	513.84	
33 46 23 00-0032 EA >20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) .....	483.42	
33 46 23 00-0033 EA >30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) .....	454.04	
33 46 23 00-0034 EA Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780) .....	215.22	
33 46 23 00-0035 EA >10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780) .....	187.23	
33 46 23 00-0036 EA >20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780) .....	176.94	
33 46 23 00-0037 EA >30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780) .....	162.89	
<b>33 46 23 00-0038 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) (33 46 23 00-0001)</b>		
33 46 23 00-0039 EA Up To 10, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) .....	950.95	
33 46 23 00-0040 EA >10 To 20, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) .....	886.87	
33 46 23 00-0041 EA >20 To 30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) .....	834.25	
33 46 23 00-0042 EA >30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) .....	788.29	
33 46 23 00-0043 EA Up To 10, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500) .....	1,188.24	
33 46 23 00-0044 EA >10 To 20, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500) .....	1,112.28	
33 46 23 00-0045 EA >20 To 30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500) .....	1,048.40	
33 46 23 00-0046 EA >30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500) .....	991.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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### 33 46 23 00-0047 Cut Opening In Polypropylene Corrugated Wall Stormwater Collection Chambers (33 46 23 00-0001)

33 46 23 00-0048	EA	Cut Up To 6" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap .....	53.83
33 46 23 00-0049	EA	Cut >6" To 12" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap .....	68.20
33 46 23 00-0050	EA	Cut >12" To 24" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap .....	89.29
33 46 23 00-0051	EA	Cut >24" To 36" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap .....	112.79
33 46 23 00-0052	EA	12" x 6" Inspection Port Kit .....	677.25

Note: (2712AG6IPKIT)

### 33 46 53 Stormwater Leaching Pits (33 46)

#### 33 46 53 00-0001 Drainage Wells (33 46 53)

Note: Includes augering hole.

33 46 53 00-0002	LF	12" Diameter Drainage Well With Corrugated Metal Liner.....	28.08
33 46 53 00-0003	LF	18" Diameter Drainage Well With Corrugated Metal Liner.....	34.14
33 46 53 00-0004	LF	24" Diameter Drainage Well With Corrugated Metal Liner.....	45.41

## 33 50 Hydrocarbon Utilities (33)

### 33 52 Hydrocarbon Transmission and Distribution (33 50)

#### 33 52 16 Gas Hydrocarbon Piping (33 52)

##### 33 52 16 13 Steel Natural Gas Piping (33 52 16)

See CSI section 23 05 23 00-0000 for gas valves.

##### 33 52 16 13-0001 Gas Distribution Lines (33 52 16 13)

Note: Excludes excavation and backfill.

##### 33 52 16 13-0002 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped (33 52 16 13-0001)

33 52 16 13-0003	LF	1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	16.52	2.61
33 52 16 13-0004	LF	3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	19.01	2.86
33 52 16 13-0005	LF	1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	21.72	2.94
33 52 16 13-0006	LF	1-1/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	22.27	3.01
33 52 16 13-0007	LF	1-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	23.10	3.05
33 52 16 13-0008	LF	2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	24.49	3.27
33 52 16 13-0009	LF	2-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	34.36	3.96
33 52 16 13-0010	LF	3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	42.85	5.00
33 52 16 13-0011	LF	4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	57.57	6.03
33 52 16 13-0012	LF	5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	77.52	6.99
33 52 16 13-0013	LF	6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	97.40	8.54
33 52 16 13-0014	LF	8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	141.41	10.98

##### 33 52 16 13-0015 Gas Line Taps (33 52 16 13-0001)

Note: Includes material to tap into main and gas valve.

##### 33 52 16 13-0016 Polyethylene, 60 PSI (33 52 16 13-0015)

33 52 16 13-0017	EA	2" Polyethylene Hot Tap, With Valve .....	2,066.46
33 52 16 13-0018	EA	2-1/2" Polyethylene Hot Tap, With Valve .....	1,709.71
33 52 16 13-0019	EA	3" Polyethylene Hot Tap, With Valve .....	1,805.72
33 52 16 13-0020	EA	4" Polyethylene Hot Tap, With Valve .....	3,621.07
33 52 16 13-0021	EA	6" Polyethylene Hot Tap, With Valve .....	5,610.59

##### 33 52 16 13-0022 Steel, Schedule 40 (33 52 16 13-0015)

Note: For punch steel service tee.

33 52 16 13-0023	EA	1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	2,709.69
33 52 16 13-0024	EA	3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	2,755.65
33 52 16 13-0025	EA	3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	2,817.00
33 52 16 13-0026	EA	3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	2,876.55
33 52 16 13-0027	EA	1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	2,922.38
33 52 16 13-0028	EA	1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	3,183.57
33 52 16 13-0029	EA	1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	3,261.81

##### 33 52 16 13-0030 Protective Pipe And Fitting Wrap (33 52 16 13-0001)

Note: Includes cleaning and priming pipe.

##### 33 52 16 13-0031 Corrosion Protection Pipe Wrap For Pipe (33 52 16 13-0030)

Note: Field applied.

33 52 16 13-0032	LF	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	3.00
33 52 16 13-0033	LF	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	3.17
33 52 16 13-0034	LF	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	3.37

**33 Utilities****33 50 Hydrocarbon Utilities****33 52 Hydrocarbon Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 52 16 13-0035	LF	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	3.77	
33 52 16 13-0036	LF	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	4.06	
33 52 16 13-0037	LF	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	4.66	
33 52 16 13-0038	LF	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	5.62	
33 52 16 13-0039	LF	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	6.90	
33 52 16 13-0040	LF	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	8.64	
33 52 16 13-0041	LF	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	11.39	

**33 52 16 13-0042 Corrosion Resistance Wrap And Coat - Fittings** (33 52 16 13-0030)

Note: Field applied.

33 52 16 13-0043	EA	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	17.89	
33 52 16 13-0044	EA	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	17.89	
33 52 16 13-0045	EA	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	22.13	
33 52 16 13-0046	EA	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	24.81	
33 52 16 13-0047	EA	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	24.81	
33 52 16 13-0048	EA	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	29.37	
33 52 16 13-0049	EA	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	39.27	
33 52 16 13-0050	EA	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	52.93	
33 52 16 13-0051	EA	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	53.45	
33 52 16 13-0052	EA	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	61.39	

**33 52 16 13-0053 Service Fittings** (33 52 16 13-0001)**33 52 16 13-0054 Brass Fittings** (33 52 16 13-0053)

33 52 16 13-0055	EA	1/2" X 2" Long Nipples, Threaded Both Ends, Brass .....	35.40	
33 52 16 13-0056	EA	3/4" X 2" Long Nipples, Threaded Both Ends, Brass .....	41.38	
33 52 16 13-0057	EA	1" X 2" Long Nipples, Threaded Both Ends, Brass .....	52.86	
33 52 16 13-0058	EA	1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass.....	66.15	
33 52 16 13-0059	EA	1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass.....	74.49	
33 52 16 13-0060	EA	2" X 2" Long Nipples, Threaded Both Ends, Brass .....	98.07	
33 52 16 13-0061	EA	1/2" 90 Degree Elbow, Brass.....	30.76	
33 52 16 13-0062	EA	3/4" 90 Degree Elbow, Brass.....	35.68	
33 52 16 13-0063	EA	1" 90 Degree Elbow, Brass.....	46.99	
33 52 16 13-0064	EA	1-1/4" 90 Degree Elbow, Brass.....	61.87	
33 52 16 13-0065	EA	1-1/2" 90 Degree Elbow, Brass.....	71.26	
33 52 16 13-0066	EA	2" 90 Degree Elbow, Brass.....	97.16	
33 52 16 13-0067	EA	1/2" Diameter Chrome Plated Nipple .....	25.79	
33 52 16 13-0068	EA	3/4" Diameter Chrome Plated Nipple .....	33.42	
33 52 16 13-0069	EA	1" Diameter Chrome Plated Nipple .....	43.56	
33 52 16 13-0070	EA	1-1/4" Diameter Chrome Plated Nipple.....	62.42	
33 52 16 13-0071	EA	1-1/2" Diameter Chrome Plated Nipple.....	76.22	
33 52 16 13-0072	EA	2" Diameter Chrome Plated Nipple .....	104.13	

**33 52 16 13-0073 Anodless Gas Riser** (33 52 16 13-0053)

33 52 16 13-0074	EA	3/4" Anodless Gas Riser.....	90.46	
33 52 16 13-0075	EA	1" Anodless Gas Riser.....	112.26	
33 52 16 13-0076	EA	1-1/4" Anodless Gas Riser.....	132.40	
33 52 16 13-0077	EA	1-1/2" Anodless Gas Riser.....	167.11	
33 52 16 13-0078	EA	2" Anodless Gas Riser.....	192.64	

**33 52 16 13-0079 Brass Service Adapter** (33 52 16 13-0053)

33 52 16 13-0080	EA	1/2" Brass Service Adapter .....	68.09	
33 52 16 13-0081	EA	3/4" Brass Service Adapter .....	74.94	
33 52 16 13-0082	EA	1" Brass Service Adapter .....	90.22	
33 52 16 13-0083	EA	1-1/4" Brass Service Adapter.....	112.22	
33 52 16 13-0084	EA	1-1/2" Brass Service Adapter.....	137.55	
33 52 16 13-0085	EA	2" Brass Service Adapter .....	168.58	
33 52 16 13-0086	EA	2-1/2" Brass Service Adapter.....	298.24	
33 52 16 13-0087	EA	3" Brass Service Adapter.....	364.99	
33 52 16 13-0088	EA	4" Brass Service Adapter .....	529.84	

**33 52 16 23 Medium Density Polyethylene Piping for Natural Gas** (33 52 16)**33 52 16 23-0001 Medium Density Polyethylene (MDPE) Gas Distribution Piping** (33 52 16 23)

Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 23-0002	LF	1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe .....	3.72	1.64
		<i>For Colors, Add</i>	0.05	
33 52 16 23-0003	LF	3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe .....	4.13	1.75
		<i>For SDR 13.5, Deduct</i>	-0.10	
		<i>For Colors, Add</i>	0.07	
33 52 16 23-0004	LF	1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe .....	4.56	1.87
		<i>For SDR 13.5, Deduct</i>	-0.13	
		<i>For Colors, Add</i>	0.08	
33 52 16 23-0005	LF	1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe .....	4.99	1.99
		<i>For SDR 13.5, Deduct</i>	-0.15	
		<i>For Colors, Add</i>	0.10	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Hydrocarbon Utilities</b>	<b>33 50</b>	
<b>Hydrocarbon Transmission and Distribution</b>	<b>33 52</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 23-0006 LF 1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	5.75	2.40
For SDR 13.5, Deduct	-0.21	
For Colors, Add	0.14	
33 52 16 23-0007 LF 2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	6.52	2.61
For SDR 13.5, Deduct	-0.28	
For SDR 15.5, Deduct	-0.52	
For Colors, Add	0.18	
33 52 16 23-0008 LF 2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	8.26	3.05
For SDR 13.5, Deduct	-0.47	
For SDR 15.5, Deduct	-0.86	
For Colors, Add	0.30	
33 52 16 23-0009 LF 3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	10.10	3.63
For SDR 13.5, Deduct	-0.64	
For SDR 15.5, Deduct	-1.17	
For Colors, Add	0.41	
33 52 16 23-0010 LF 4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	16.50	4.25
For SDR 13.5, Deduct	-1.18	
For SDR 15.5, Deduct	-2.16	
For Colors, Add	0.76	
33 52 16 23-0011 LF 5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	20.87	4.25
For SDR 13.5, Deduct	-1.63	
For SDR 15.5, Deduct	-3.00	
For Colors, Add	1.05	
33 52 16 23-0012 LF 6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	25.33	4.25
For SDR 13.5, Deduct	-2.09	
For SDR 15.5, Deduct	-3.84	
For Colors, Add	1.35	
33 52 16 23-0013 LF 8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	37.59	5.31
For SDR 13.5, Deduct	-3.48	
For SDR 15.5, Deduct	-6.39	
For Colors, Add	2.24	

**33 52 16 26 High Density Polyethylene Piping for Natural Gas (33 52 16)**

**33 52 16 26-0001 High Density Polyethylene (HDPE) Gas Distribution Piping (33 52 16 26)**  
 Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 26-0002 LF 1/2" Diameter, SDR 9 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	3.78	1.64
33 52 16 26-0003 LF 3/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	4.23	1.75
For SDR 13.5, Deduct	-0.11	
33 52 16 26-0004 LF 1" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	4.65	1.87
For SDR 13.5, Deduct	-0.14	
33 52 16 26-0005 LF 1-1/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	5.12	1.99
For SDR 13.5, Deduct	-0.17	
33 52 16 26-0006 LF 1-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	5.93	2.40
For SDR 13.5, Deduct	-0.24	
33 52 16 26-0007 LF 2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	6.74	2.61
For SDR 13.5, Deduct	-0.31	
For SDR 15.5, Deduct	-0.57	
For SDR 17, Deduct	-0.82	
33 52 16 26-0008 LF 2-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	8.64	3.05
For SDR 13.5, Deduct	-0.51	
For SDR 15.5, Deduct	-0.94	
For SDR 17, Deduct	-1.37	
33 52 16 26-0009 LF 3" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	10.62	3.63
For SDR 13.5, Deduct	-0.70	
For SDR 15.5, Deduct	-1.29	
For SDR 17, Deduct	-1.87	
For SDR 21, Deduct	-2.56	
33 52 16 26-0010 LF 4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	17.45	4.25
For SDR 13.5, Deduct	-1.29	
For SDR 15.5, Deduct	-2.38	
For SDR 17, Deduct	-3.46	
For SDR 21, Deduct	-4.73	
33 52 16 26-0011 LF 6" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	27.02	4.25
For SDR 13.5, Deduct	-2.30	
For SDR 15.5, Deduct	-4.22	
For SDR 17, Deduct	-6.13	
For SDR 21, Deduct	-8.39	
33 52 16 26-0012 LF 8" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	40.39	5.31
For SDR 13.5, Deduct	-3.82	
For SDR 15.5, Deduct	-7.03	
For SDR 17, Deduct	-10.21	
For SDR 21, Deduct	-13.97	

**33 53 Hydrocarbon Utility Pressure Regulation (33 50)**

**33 53 16 Gas Hydrocarbon Pressure Regulation (33 53)**

**33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends (33 53 16)**

33 53 16 00-0002 EA 3/4" Gas Pressure Regulator, Screwed End.....	229.10	16.97
33 53 16 00-0003 EA 1" Gas Pressure Regulator, Screwed End.....	232.95	16.97
33 53 16 00-0004 EA 1-1/4" Gas Pressure Regulator, Screwed End.....	242.19	20.14

**33 Utilities****33 50 Hydrocarbon Utilities****33 53 Hydrocarbon Utility Pressure Regulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 53 16 00-0005 EA 1-1/2" Gas Pressure Regulator, Screwed End.....	836.52	23.32
33 53 16 00-0006 EA 2" Gas Pressure Regulator, Screwed End.....	885.24	36.13
33 53 16 00-0007 EA 3" Gas Pressure Regulator, Screwed End.....	2,495.94	81.04
33 53 16 00-0008 EA 4" Gas Pressure Regulator, Screwed End.....	3,471.85	107.41

**33 56 Hydrocarbon Storage** (33 50)**33 56 13 Aboveground Hydrocarbon Storage Tanks** (33 56)

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

**33 56 33 Underground Hydrocarbon Storage** (33 56)

See CSI section 23 13 13 00-0000 for underground storage tanks.

**33 59 Hydrocarbon Utility Metering** (33 50)**33 59 11 Diaphragm/Bellows Hydrocarbons Meters** (33 59)**33 59 11 00-0001 Diaphragm Meters** (33 59 11)

Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections. Excludes pressure and temperature compensation.

33 59 11 00-0002 EA 250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded.....	546.75	66.39
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0003 EA 425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded.....	1,090.68	101.54
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0004 EA 425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	1,292.72	101.54
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0005 EA 800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded.....	2,883.37	126.93
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0006 EA 1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	3,253.01	156.23
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0007 EA 800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	4,327.06	126.93
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0008 EA 1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	4,806.58	156.23
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0009 EA 1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	6,367.98	165.99
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0010 EA 2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	9,031.25	195.28
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0011 EA 5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	13,779.75	322.22
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	

**33 59 16 Hydrocarbons Turbine Meters** (33 59)**33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading** (33 59 16)

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002 EA 4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	11,043.03	347.85
33 59 16 00-0003 EA 6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	11,944.25	403.96
33 59 16 00-0004 EA 8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	18,497.35	425.60
33 59 16 00-0005 EA 10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	36,012.53	518.12
33 59 16 00-0006 EA 12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	59,217.53	647.65

**33 60 Hydronic and Steam Energy Utilities** (33)**33 61 Hydronic Energy Distribution** (33 60)**33 61 13 Buried Hydronic Energy Distribution** (33 61)**33 61 13 00-0001 Prefabricated/Preinsulated Pipe** (33 61 13)

Note: Includes coupling per full length of pipe. Excludes excavation and backfill. See CSI section 23 01 20 91-0041 for purging of existing system.

**33 61 13 00-0002 Preinsulated Schedule 40 Black Steel Pipe** (33 61 13 00-0001)

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

**33 61 13 00-0003 Standard Black Steel Carrier Pipe** (33 61 13 00-0002)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0004 LF 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	144.81	
For High Density Polyethylene (HDPE) Jacket, Add	2.42	
For Schedule 80 Pipe, Add	24.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0005 LF 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	158.77 2.66 26.59	
33 61 13 00-0006 LF 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	177.17 3.00 29.95	
33 61 13 00-0007 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	189.67 3.21 32.15	
33 61 13 00-0008 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	198.75 3.36 33.61	
33 61 13 00-0009 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	220.63 3.65 36.53	
33 61 13 00-0010 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	243.60 3.95 39.45	
33 61 13 00-0011 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	307.42 4.97 49.68	
33 61 13 00-0012 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	390.09 6.36 63.56	
33 61 13 00-0013 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	453.63 7.38 73.79	
33 61 13 00-0014 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	639.30 10.74 107.40	
33 61 13 00-0015 LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	830.44 14.17 141.73	
33 61 13 00-0016 LF 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	1,033.87 17.68 176.80	
<b>33 61 13 00-0017 Standard Black Steel Carrier Pipe</b> <small>(33 61 13 00-0002)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0018 LF 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	156.90 2.66 26.60	
33 61 13 00-0019 LF 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	172.06 2.93 29.25	
33 61 13 00-0020 LF 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	192.15 3.30 32.95	
33 61 13 00-0021 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	205.74 3.54 35.36	
33 61 13 00-0022 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	215.55 3.70 36.97	
33 61 13 00-0023 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	238.89 4.02 40.18	
33 61 13 00-0024 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	263.33 4.34 43.40	
33 61 13 00-0025 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	332.26 5.46 54.65	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0026	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	421.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.99	
			<i>For Schedule 80 Pipe, Add</i>	69.92	
33 61	13 00-0027	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	490.52	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.12	
			<i>For Schedule 80 Pipe, Add</i>	81.17	
33 61	13 00-0028	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	693.00	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.81	
			<i>For Schedule 80 Pipe, Add</i>	118.14	
33 61	13 00-0029	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	901.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.59	
			<i>For Schedule 80 Pipe, Add</i>	155.91	
33 61	13 00-0030	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,122.27	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.45	
			<i>For Schedule 80 Pipe, Add</i>	194.48	
<b>33 61</b>	<b>13 00-0031</b>		<b>Standard Black Steel Carrier Pipe</b> <small>(33 61 13 00-0002)</small> Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0032	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	162.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.78	
			<i>For Schedule 80 Pipe, Add</i>	27.81	
33 61	13 00-0033	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	178.71	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.06	
			<i>For Schedule 80 Pipe, Add</i>	30.58	
33 61	13 00-0034	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	199.64	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.44	
			<i>For Schedule 80 Pipe, Add</i>	34.45	
33 61	13 00-0035	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	213.78	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.70	
			<i>For Schedule 80 Pipe, Add</i>	36.97	
33 61	13 00-0036	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	223.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.86	
			<i>For Schedule 80 Pipe, Add</i>	38.65	
33 61	13 00-0037	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	248.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.20	
			<i>For Schedule 80 Pipe, Add</i>	42.01	
33 61	13 00-0038	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	273.19	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.54	
			<i>For Schedule 80 Pipe, Add</i>	45.37	
33 61	13 00-0039	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	344.68	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.71	
			<i>For Schedule 80 Pipe, Add</i>	57.13	
33 61	13 00-0040	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	437.76	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.31	
			<i>For Schedule 80 Pipe, Add</i>	73.10	
33 61	13 00-0041	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	508.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.49	
			<i>For Schedule 80 Pipe, Add</i>	84.86	
33 61	13 00-0042	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	719.85	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.35	
			<i>For Schedule 80 Pipe, Add</i>	123.51	
33 61	13 00-0043	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	936.74	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.30	
			<i>For Schedule 80 Pipe, Add</i>	162.99	
33 61	13 00-0044	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,166.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.33	
			<i>For Schedule 80 Pipe, Add</i>	203.32	
<b>33 61</b>	<b>13 00-0045</b>		<b>Standard Black Steel Carrier Pipe</b> <small>(33 61 13 00-0002)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0046	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	172.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.96	
			<i>For Schedule 80 Pipe, Add</i>	29.62	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00	0047	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	188.68 3.26 32.58	
33 61	13 00	0048	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	210.87 3.67 36.69	
33 61	13 00	0049	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	225.83 3.94 39.38	
33 61	13 00	0050	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	236.55 4.12 41.17	
33 61	13 00	0051	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	261.72 4.47 44.75	
33 61	13 00	0052	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	287.98 4.83 48.33	
33 61	13 00	0053	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	363.31 6.09 60.86	
33 61	13 00	0054	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	461.59 7.79 77.86	
33 61	13 00	0055	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	536.64 9.04 90.39	
33 61	13 00	0056	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	760.12 13.16 131.56	
33 61	13 00	0057	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	989.89 17.36 173.62	
33 61	13 00	0058	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	1,232.77 21.66 216.58	
33 61	13 00	0059		<b>Preinsulated Black Steel Fittings</b> (33 61 13 00-0001) Note: No excavation or backfill.		
33 61	13 00	0060		<b>Elbows</b> (33 61 13 00-0059)		
33 61	13 00	0061		<b>Elbows</b> (33 61 13 00-0060) Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00	0062	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	891.41 15.66	
33 61	13 00	0063	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	918.23 16.03	
33 61	13 00	0064	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,050.01 18.24	
33 61	13 00	0065	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,163.62 19.89	
33 61	13 00	0066	EA	2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,289.52 20.72	
33 61	13 00	0067	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,448.09 21.55	
33 61	13 00	0068	EA	3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,677.45 24.87	
33 61	13 00	0069	EA	4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,957.37 29.01	
33 61	13 00	0070	EA	5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,407.45 37.30	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0071 EA 6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,687.74	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.37	
33 61 13 00-0072 EA 8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,822.52	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	61.25	
33 61 13 00-0073 EA 10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,080.77	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	78.28	
33 61 13 00-0074 EA 12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,581.10	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	103.61	
<b>33 61 13 00-0075 Elbows</b> <small>(33 61 13 00-0060)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0076 EA 3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	950.12	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.83	
33 61 13 00-0077 EA 1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	978.32	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.23	
33 61 13 00-0078 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,118.39	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.60	
33 61 13 00-0079 EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,238.22	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.39	
33 61 13 00-0080 EA 2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,367.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.28	
33 61 13 00-0081 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,528.90	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.17	
33 61 13 00-0082 EA 3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,770.70	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.73	
33 61 13 00-0083 EA 4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,066.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.19	
33 61 13 00-0084 EA 5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,547.33	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.10	
33 61 13 00-0085 EA 6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,846.62	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.54	
33 61 13 00-0086 EA 8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,052.19	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	65.84	
33 61 13 00-0087 EA 10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,374.34	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	84.16	
33 61 13 00-0088 EA 12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,969.65	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	111.38	
<b>33 61 13 00-0089 Elbows</b> <small>(33 61 13 00-0060)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0090 EA 3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,008.84	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.01	
33 61 13 00-0091 EA 1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,038.42	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.43	
33 61 13 00-0092 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,186.78	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.97	
33 61 13 00-0093 EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,312.82	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.88	
33 61 13 00-0094 EA 2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,444.94	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.83	
33 61 13 00-0095 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,609.72	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.78	
33 61 13 00-0096 EA 3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,863.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.60	
33 61 13 00-0097 EA 4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,174.96	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0098 EA 5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,687.20	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.90	
33 61 13 00-0099 EA 6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,005.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	48.72	
33 61 13 00-0100 EA 8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,281.87	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	70.43	
33 61 13 00-0101 EA 10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,667.90	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	90.03	
33 61 13 00-0102 EA 12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,358.19	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	119.15	
<b>33 61 13 00-0103 Elbows</b> <small>(33 61 13 00-0060)</small>		
<i>Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0104 EA 3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,067.55	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.18	
33 61 13 00-0105 EA 1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,098.51	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.63	
33 61 13 00-0106 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,255.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.34	
33 61 13 00-0107 EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,387.42	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.37	
33 61 13 00-0108 EA 2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,522.65	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.39	
33 61 13 00-0109 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,690.54	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.40	
33 61 13 00-0110 EA 3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,957.20	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.46	
33 61 13 00-0111 EA 4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,283.75	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.54	
33 61 13 00-0112 EA 5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,827.08	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.69	
33 61 13 00-0113 EA 6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,164.36	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	51.90	
33 61 13 00-0114 EA 8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,511.54	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	75.03	
33 61 13 00-0115 EA 10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,961.47	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	95.90	
33 61 13 00-0116 EA 12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,746.74	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	126.93	
<b>33 61 13 00-0117 Tees</b> <small>(33 61 13 00-0059)</small>		
<b>33 61 13 00-0118 Tees</b> <small>(33 61 13 00-0117)</small>		
<i>Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0119 EA 3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,325.32	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.25	
33 61 13 00-0120 EA 1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,365.15	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.80	
33 61 13 00-0121 EA 1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,561.14	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.08	
33 61 13 00-0122 EA 1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,730.29	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.54	
33 61 13 00-0123 EA 2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,918.27	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.77	
33 61 13 00-0124 EA 2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,155.30	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.00	
33 61 13 00-0125 EA 3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,497.51	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.93	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0126 EA 4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,914.30	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	43.08	
33 61 13 00-0127 EA 5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,586.06	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	55.39	
33 61 13 00-0128 EA 6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,000.64	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	62.91	
33 61 13 00-0129 EA 8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,686.44	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	90.95	
33 61 13 00-0130 EA 10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,564.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	116.25	
33 61 13 00-0131 EA 12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,793.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	153.86	
<b>33 61 13 00-0132 Tees</b> <small>(33 61 13 00-0117)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0133 EA 3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,412.51	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.99	
33 61 13 00-0134 EA 1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,454.39	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.58	
33 61 13 00-0135 EA 1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,662.69	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.11	
33 61 13 00-0136 EA 1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,841.07	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.76	
33 61 13 00-0137 EA 2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,033.67	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.08	
33 61 13 00-0138 EA 2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,275.31	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.40	
33 61 13 00-0139 EA 3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,635.99	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.70	
33 61 13 00-0140 EA 4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,075.85	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	46.31	
33 61 13 00-0141 EA 5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,793.78	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	59.55	
33 61 13 00-0142 EA 6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,236.56	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	67.63	
33 61 13 00-0143 EA 8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,027.51	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	97.77	
33 61 13 00-0144 EA 10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,000.44	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	124.97	
33 61 13 00-0145 EA 12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	10,370.94	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	165.40	
<b>33 61 13 00-0146 Tees</b> <small>(33 61 13 00-0117)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0147 EA 3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,499.70	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.74	
33 61 13 00-0148 EA 1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,543.64	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.37	
33 61 13 00-0149 EA 1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,764.25	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.14	
33 61 13 00-0150 EA 1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,951.85	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.97	
33 61 13 00-0151 EA 2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,149.07	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.39	
33 61 13 00-0152 EA 2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,395.33	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.80	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 61	13 00-0153	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,774.46	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.47	
	33 61	13 00-0154	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,237.41	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.54	
	33 61	13 00-0155	EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,001.50	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	63.70	
	33 61	13 00-0156	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,472.49	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	72.35	
	33 61	13 00-0157	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,368.58	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	104.59	
	33 61	13 00-0158	EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,436.39	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	133.69	
	33 61	13 00-0159	EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	10,947.93	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	176.94	
	33 61	13 00-0160		<b>Tees</b> <small>(33 61 13 00-0117)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61	13 00-0161	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,586.89	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.48	
	33 61	13 00-0162	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,632.88	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.15	
	33 61	13 00-0163	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,865.80	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.17	
	33 61	13 00-0164	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,062.63	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.19	
	33 61	13 00-0165	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,264.47	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.70	
	33 61	13 00-0166	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,515.34	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.20	
	33 61	13 00-0167	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,912.94	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.24	
	33 61	13 00-0168	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,398.97	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.78	
	33 61	13 00-0169	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,209.21	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	67.85	
	33 61	13 00-0170	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,708.41	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	77.07	
	33 61	13 00-0171	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,709.64	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	111.41	
	33 61	13 00-0172	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,872.34	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	142.41	
	33 61	13 00-0173	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	11,524.92	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	188.48	
	33 61	13 00-0174		<b>Reducers</b> <small>(33 61 13 00-0059)</small>		
	33 61	13 00-0175		<b>Reducers</b> <small>(33 61 13 00-0174)</small> Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61	13 00-0176	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	747.49	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.00	
	33 61	13 00-0177	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	770.28	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.30	
	33 61	13 00-0178	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	881.18	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.14	
	33 61	13 00-0179	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	977.54	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.51	
	33 61	13 00-0180	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,087.93	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.20	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0181	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,236.17	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.89	
33 61	13 00-0182	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,426.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.64	
33 61	13 00-0183	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,659.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.08	
33 61	13 00-0184	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,036.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.96	
33 61	13 00-0185	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,270.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.16	
33 61	13 00-0186	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,226.07	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	50.83	
33 61	13 00-0187	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,299.19	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	64.98	
33 61	13 00-0188	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,558.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	86.00	
<b>33 61</b>	<b>13 00-0189</b>		<b>Reducers</b> <small>(33 61 13 00-0174)</small>		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0190	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	796.23	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.97	
33 61	13 00-0191	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	820.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.30	
33 61	13 00-0192	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	937.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.27	
33 61	13 00-0193	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,039.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.75	
33 61	13 00-0194	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,152.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.49	
33 61	13 00-0195	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,303.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.23	
33 61	13 00-0196	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,503.56	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.19	
33 61	13 00-0197	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,750.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.89	
33 61	13 00-0198	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,152.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.28	
33 61	13 00-0199	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,402.74	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.80	
33 61	13 00-0200	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,416.70	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	54.65	
33 61	13 00-0201	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,542.85	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	69.85	
33 61	13 00-0202	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,880.71	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	92.45	
<b>33 61</b>	<b>13 00-0203</b>		<b>Reducers</b> <small>(33 61 13 00-0174)</small>		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0204	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	844.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.94	
33 61	13 00-0205	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	870.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.30	
33 61	13 00-0206	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	994.70	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.41	
33 61	13 00-0207	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,101.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0208 EA 2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,216.93	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.78	
33 61 13 00-0209 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,370.33	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.57	
33 61 13 00-0210 EA 3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,580.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.74	
33 61 13 00-0211 EA 4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,840.46	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.69	
33 61 13 00-0212 EA 5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,268.52	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.60	
33 61 13 00-0213 EA 6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,534.60	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.44	
33 61 13 00-0214 EA 8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	3,607.33	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	58.46	
33 61 13 00-0215 EA 10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	4,786.51	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	74.72	
33 61 13 00-0216 EA 12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	6,203.21	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	98.90	
<b>33 61 13 00-0217 Reducers</b> <small>(33 61 13 00-0174)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0218 EA 3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	893.69	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.92	
33 61 13 00-0219 EA 1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	919.92	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.29	
33 61 13 00-0220 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,051.46	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.54	
33 61 13 00-0221 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,163.30	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.23	
33 61 13 00-0222 EA 2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,281.43	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.07	
33 61 13 00-0223 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,437.41	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.91	
33 61 13 00-0224 EA 3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,658.35	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.28	
33 61 13 00-0225 EA 4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,930.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.50	
33 61 13 00-0226 EA 5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,384.62	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.93	
33 61 13 00-0227 EA 6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,666.46	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	43.08	
33 61 13 00-0228 EA 8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,797.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	62.27	
33 61 13 00-0229 EA 10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,030.17	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	79.60	
33 61 13 00-0230 EA 12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,525.70	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	105.35	
<b>33 61 13 00-0231 Preinsulated Type K Copper Pipe</b> <small>(33 61 13 00-0001)</small>		
Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
<b>33 61 13 00-0232 Type K Copper Carrier Pipe</b> <small>(33 61 13 00-0231)</small>		
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0233 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	45.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.41	
33 61 13 00-0234 LF 1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	50.02	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.45	
33 61 13 00-0235 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	54.56	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.51	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0236 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	58.05	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.54	
33 61 13 00-0237 LF 2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.19	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.57	
33 61 13 00-0238 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	71.41	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
33 61 13 00-0239 LF 3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	82.80	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
33 61 13 00-0240 LF 4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	104.98	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.84	
33 61 13 00-0241 LF 5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	130.87	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.07	
33 61 13 00-0242 LF 6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	152.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.25	
33 61 13 00-0243 LF 8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	199.98	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.82	
33 61 13 00-0244 LF 10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	249.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.40	
33 61 13 00-0245 LF 12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	309.39	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.99	
<b>33 61 13 00-0246 Type K Copper Carrier Pipe</b> <small>(33 61 13 00-0231)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0247 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	47.99	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.45	
33 61 13 00-0248 LF 1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	52.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.49	
33 61 13 00-0249 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.09	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.56	
33 61 13 00-0250 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	60.77	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.60	
33 61 13 00-0251 LF 2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	64.03	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.63	
33 61 13 00-0252 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	74.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68	
33 61 13 00-0253 LF 3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	86.14	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.73	
33 61 13 00-0254 LF 4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	109.18	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.92	
33 61 13 00-0255 LF 5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	136.24	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.18	
33 61 13 00-0256 LF 6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	158.99	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.37	
33 61 13 00-0257 LF 8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	209.06	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.00	
33 61 13 00-0258 LF 10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	261.73	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.64	
33 61 13 00-0259 LF 12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	324.33	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.29	
<b>33 61 13 00-0260 Type K Copper Carrier Pipe</b> <small>(33 61 13 00-0231)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0261 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	49.02	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.47	
33 61 13 00-0262 LF 1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	53.39	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.52	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0263 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	58.36 0.58	
33 61 13 00-0264 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	62.13 0.63	
33 61 13 00-0265 LF 2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	65.45 0.65	
33 61 13 00-0266 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	76.04 0.71	
33 61 13 00-0267 LF 3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	87.81 0.77	
33 61 13 00-0268 LF 4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	111.28 0.97	
33 61 13 00-0269 LF 5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	138.93 1.24	
33 61 13 00-0270 LF 6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	162.11 1.43	
33 61 13 00-0271 LF 8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	213.60 2.09	
33 61 13 00-0272 LF 10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	267.72 2.76	
33 61 13 00-0273 LF 12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	331.80 3.44	
<b>33 61 13 00-0274 Type K Copper Carrier Pipe</b> <small>(33 61 13 00-0231)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0275 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	50.55 0.50	
33 61 13 00-0276 LF 1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	55.07 0.55	
33 61 13 00-0277 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	60.25 0.62	
33 61 13 00-0278 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	64.16 0.67	
33 61 13 00-0279 LF 2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	67.58 0.70	
33 61 13 00-0280 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	78.35 0.76	
33 61 13 00-0281 LF 3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	90.31 0.82	
33 61 13 00-0282 LF 4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	114.43 1.03	
33 61 13 00-0283 LF 5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	142.96 1.32	
33 61 13 00-0284 LF 6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	166.79 1.53	
33 61 13 00-0285 LF 8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	220.41 2.22	
33 61 13 00-0286 LF 10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	276.71 2.94	
33 61 13 00-0287 LF 12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	343.01 3.66	
<b>33 61 13 00-0288 Preinsulated Copper Fittings</b> <small>(33 61 13 00-0001)</small>		
<b>33 61 13 00-0289 Elbows</b> <small>(33 61 13 00-0288)</small>		
<b>33 61 13 00-0290 Elbows</b> <small>(33 61 13 00-0289)</small> Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0291 EA 3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	327.37	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.66	
33 61 13 00-0292 EA 1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	340.15	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.77	
33 61 13 00-0293 EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	391.53	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.43	
33 61 13 00-0294 EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	442.91	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.92	
33 61 13 00-0295 EA 2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	528.69	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.17	
33 61 13 00-0296 EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	642.84	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.41	
33 61 13 00-0297 EA 3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	747.47	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.40	
33 61 13 00-0298 EA 4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	872.35	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.63	
33 61 13 00-0299 EA 5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,026.65	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.10	
33 61 13 00-0300 EA 6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,125.55	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.61	
33 61 13 00-0301 EA 8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,572.35	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.23	
33 61 13 00-0302 EA 10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,179.10	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.30	
33 61 13 00-0303 EA 12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,759.51	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.83	
<b>33 61 13 00-0304 Elbows</b> <small>(33 61 13 00-0289)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0305 EA 3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	344.84	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.01	
33 61 13 00-0306 EA 1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	358.03	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.13	
33 61 13 00-0307 EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	411.88	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.83	
33 61 13 00-0308 EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	465.11	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.36	
33 61 13 00-0309 EA 2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	551.81	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.63	
33 61 13 00-0310 EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	666.89	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.89	
33 61 13 00-0311 EA 3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	775.22	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.96	
33 61 13 00-0312 EA 4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	904.72	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.28	
33 61 13 00-0313 EA 5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,068.28	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.93	
33 61 13 00-0314 EA 6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,172.83	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.55	
33 61 13 00-0315 EA 8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,640.70	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.59	
33 61 13 00-0316 EA 10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,266.46	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.04	
33 61 13 00-0317 EA 12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,875.14	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**33 61 13 00-0318**

**Elbows** (33 61 13 00-0289)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0319	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	362.31
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.36
33 61 13 00-0320	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	375.92
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.48
33 61 13 00-0321	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	432.23
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.24
33 61 13 00-0322	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	487.31
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.81
33 61 13 00-0323	EA	2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	574.94
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.09
33 61 13 00-0324	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	690.94
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.38
33 61 13 00-0325	EA	3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	802.97
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.51
33 61 13 00-0326	EA	4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	937.10
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.93
33 61 13 00-0327	EA	5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,109.90
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.77
33 61 13 00-0328	EA	6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,220.35
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.50
33 61 13 00-0329	EA	8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,708.92
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.96
33 61 13 00-0330	EA	10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,353.41
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.79
33 61 13 00-0331	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,991.06
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.46

**33 61 13 00-0332**

**Elbows** (33 61 13 00-0289)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0333	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	379.79
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.71
33 61 13 00-0334	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	393.80
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.84
33 61 13 00-0335	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	452.58
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.65
33 61 13 00-0336	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	509.51
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.25
33 61 13 00-0337	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	598.07
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.55
33 61 13 00-0338	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	714.99
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.86
33 61 13 00-0339	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	830.72
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.07
33 61 13 00-0340	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	969.47
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.58
33 61 13 00-0341	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,151.53
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.60
33 61 13 00-0342	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,267.63
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.44
33 61 13 00-0343	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,777.27
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.33
33 61 13 00-0344	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,440.78
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.54
33 61 13 00-0345	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	3,106.69
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.77

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 61 13 00-0346	Tees <small>(33 61 13 00-0288)</small>		
33 61 13 00-0347	Tees <small>(33 61 13 00-0346)</small>	Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.	
33 61 13 00-0348	EA 3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	487.52	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.92	
33 61 13 00-0349	EA 1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	506.50	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.08	
33 61 13 00-0350	EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	583.06	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.06	
33 61 13 00-0351	EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	659.73	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.79	
33 61 13 00-0352	EA 2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	787.98	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.16	
33 61 13 00-0353	EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	958.91	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.52	
33 61 13 00-0354	EA 3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,115.68	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.99	
33 61 13 00-0355	EA 4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,302.08	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.82	
33 61 13 00-0356	EA 5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,534.20	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.48	
33 61 13 00-0357	EA 6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,679.47	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.72	
33 61 13 00-0358	EA 8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,343.49	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.07	
33 61 13 00-0359	EA 10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,252.89	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.60	
33 61 13 00-0360	EA 12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,116.15	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.79	
33 61 13 00-0361	Tees <small>(33 61 13 00-0346)</small>	Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.	
33 61 13 00-0362	EA 3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	513.46	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.44	
33 61 13 00-0363	EA 1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	533.05	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.61	
33 61 13 00-0364	EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	613.28	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.66	
33 61 13 00-0365	EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	692.70	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.45	
33 61 13 00-0366	EA 2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	822.33	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.84	
33 61 13 00-0367	EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	994.62	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.24	
33 61 13 00-0368	EA 3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,156.89	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.81	
33 61 13 00-0369	EA 4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,350.16	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.78	
33 61 13 00-0370	EA 5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,596.02	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.72	
33 61 13 00-0371	EA 6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,749.68	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.13	
33 61 13 00-0372	EA 8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,444.99	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.10	
33 61 13 00-0373	EA 10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,382.63	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0374 EA 12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,287.86	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.22	
<b>33 61 13 00-0375 Tees</b> <small>(33 61 13 00-0346)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0376 EA 3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	539.41	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.96	
33 61 13 00-0377 EA 1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	559.61	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.14	
33 61 13 00-0378 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	643.50	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.27	
33 61 13 00-0379 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	725.66	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.11	
33 61 13 00-0380 EA 2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	856.67	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.53	
33 61 13 00-0381 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,030.34	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.95	
33 61 13 00-0382 EA 3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,198.10	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.64	
33 61 13 00-0383 EA 4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,398.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.74	
33 61 13 00-0384 EA 5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,657.83	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.96	
33 61 13 00-0385 EA 6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,820.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.53	
33 61 13 00-0386 EA 8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,545.54	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.13	
33 61 13 00-0387 EA 10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	3,510.03	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.79	
33 61 13 00-0388 EA 12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	4,462.27	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.66	
<b>33 61 13 00-0389 Tees</b> <small>(33 61 13 00-0346)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0390 EA 3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	565.36	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.48	
33 61 13 00-0391 EA 1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	586.17	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.68	
33 61 13 00-0392 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	673.72	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.87	
33 61 13 00-0393 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	758.63	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.77	
33 61 13 00-0394 EA 2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	891.01	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.22	
33 61 13 00-0395 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,066.05	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.67	
33 61 13 00-0396 EA 3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,239.31	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.46	
33 61 13 00-0397 EA 4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,446.31	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.71	
33 61 13 00-0398 EA 5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,719.64	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.19	
33 61 13 00-0399 EA 6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,890.47	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.94	
33 61 13 00-0400 EA 8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,647.04	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.16	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0401	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,639.77	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.38	
33 61	13 00-0402	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,633.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	56.09	
<b>33 61</b>	<b>13 00-0403</b>		<b>Reducers</b> <small>(33 61 13 00-0288)</small>		
<b>33 61</b>	<b>13 00-0404</b>		<b>Reducers</b> <small>(33 61 13 00-0403)</small>		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0405	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	278.35	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.87	
33 61	13 00-0406	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	289.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.96	
33 61	13 00-0407	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	333.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.50	
33 61	13 00-0408	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	377.82	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.91	
33 61	13 00-0409	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	454.14	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.12	
33 61	13 00-0410	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	563.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.32	
33 61	13 00-0411	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	649.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.14	
33 61	13 00-0412	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	754.70	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.17	
33 61	13 00-0413	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	885.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.21	
33 61	13 00-0414	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	969.05	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.46	
33 61	13 00-0415	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,351.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.13	
33 61	13 00-0416	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,880.18	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.34	
33 61	13 00-0417	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,373.79	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.59	
<b>33 61</b>	<b>13 00-0418</b>		<b>Reducers</b> <small>(33 61 13 00-0403)</small>		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0419	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	292.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.16	
33 61	13 00-0420	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	304.27	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.26	
33 61	13 00-0421	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	350.27	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.84	
33 61	13 00-0422	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	396.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.28	
33 61	13 00-0423	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	473.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.50	
33 61	13 00-0424	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	583.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.72	
33 61	13 00-0425	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	672.89	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.60	
33 61	13 00-0426	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	781.57	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.70	
33 61	13 00-0427	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	919.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.90	
33 61	13 00-0428	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,008.29	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0429 EA 8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,408.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.26	
33 61 13 00-0430 EA 10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,952.69	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.79	
33 61 13 00-0431 EA 12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,469.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.51	
<b>33 61 13 00-0432 Reducers</b> <small>(33 61 13 00-0403)</small> Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0433 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	307.36	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.45	
33 61 13 00-0434 EA 1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	319.11	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.55	
33 61 13 00-0435 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	367.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.18	
33 61 13 00-0436 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	414.68	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.65	
33 61 13 00-0437 EA 2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	492.53	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.89	
33 61 13 00-0438 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	603.28	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.12	
33 61 13 00-0439 EA 3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	695.92	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.06	
33 61 13 00-0440 EA 4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	808.44	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.24	
33 61 13 00-0441 EA 5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	954.42	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.60	
33 61 13 00-0442 EA 6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,047.71	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.03	
33 61 13 00-0443 EA 8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,464.54	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.40	
33 61 13 00-0444 EA 10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,024.86	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.24	
33 61 13 00-0445 EA 12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,565.97	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.43	
<b>33 61 13 00-0446 Reducers</b> <small>(33 61 13 00-0403)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0447 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	321.86	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.74	
33 61 13 00-0448 EA 1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	333.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.85	
33 61 13 00-0449 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	384.05	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.52	
33 61 13 00-0450 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	433.10	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.02	
33 61 13 00-0451 EA 2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	511.72	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.27	
33 61 13 00-0452 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	623.24	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.52	
33 61 13 00-0453 EA 3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	718.96	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.52	
33 61 13 00-0454 EA 4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	835.32	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.78	
33 61 13 00-0455 EA 5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	988.97	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.29	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0456 EA 6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,086.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.82	
33 61 13 00-0457 EA 8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,521.27	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.53	
33 61 13 00-0458 EA 10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,097.37	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.69	
33 61 13 00-0459 EA 12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,661.94	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.35	
<b>33 61 13 00-0460 Preinsulated Ductile Iron Carrier Pipe</b> <small>(33 61 13 00-0001)</small>		
Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
<b>33 61 13 00-0461 Ductile Iron Carrier Pipe</b> <small>(33 61 13 00-0460)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0462 LF 4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	161.04	
33 61 13 00-0463 LF 6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	235.54	
33 61 13 00-0464 LF 8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	317.11	
33 61 13 00-0465 LF 10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	402.22	
33 61 13 00-0466 LF 12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	499.23	
<b>33 61 13 00-0467 Ductile Iron Carrier Pipe</b> <small>(33 61 13 00-0460)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0468 LF 4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	171.10	
33 61 13 00-0469 LF 6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	250.49	
33 61 13 00-0470 LF 8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	338.88	
33 61 13 00-0471 LF 10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	430.94	
33 61 13 00-0472 LF 12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	535.06	
33 61 13 00-0473 LF 14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	585.16	
33 61 13 00-0474 LF 16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	658.69	
33 61 13 00-0475 LF 18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	740.61	
33 61 13 00-0476 LF 20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	814.60	
33 61 13 00-0477 LF 24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	963.18	
<b>33 61 13 00-0478 Preinsulated Ductile Iron Fittings</b> <small>(33 61 13 00-0001)</small>		
<b>33 61 13 00-0479 Elbows</b> <small>(33 61 13 00-0478)</small>		
<b>33 61 13 00-0480 Elbows</b> <small>(33 61 13 00-0479)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0481 EA 4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,398.08	
33 61 13 00-0482 EA 6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,871.00	
33 61 13 00-0483 EA 8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,641.79	
33 61 13 00-0484 EA 10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,571.57	
33 61 13 00-0485 EA 12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,583.63	
<b>33 61 13 00-0486 Elbows</b> <small>(33 61 13 00-0479)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0487 EA 4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,522.44	
33 61 13 00-0488 EA 6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,052.61	
33 61 13 00-0489 EA 8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,904.34	
33 61 13 00-0490 EA 10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,907.16	
33 61 13 00-0491 EA 12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,027.79	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0492 EA 14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	6,117.77	
33 61 13 00-0493 EA 16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	7,236.52	
33 61 13 00-0494 EA 18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	9,033.62	
33 61 13 00-0495 EA 20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	11,456.81	
33 61 13 00-0496 EA 24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	14,821.13	
<b>33 61 13 00-0497 Tees</b> <small>(33 61 13 00-0497)</small>		
<b>33 61 13 00-0498 Tees</b> <small>(33 61 13 00-0497)</small>		
<small>Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</small>		
33 61 13 00-0499 EA 4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,083.75	
33 61 13 00-0500 EA 6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,787.77	
33 61 13 00-0501 EA 8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,933.06	
33 61 13 00-0502 EA 10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,323.33	
33 61 13 00-0503 EA 12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	6,827.70	
<b>33 61 13 00-0504 Tees</b> <small>(33 61 13 00-0497)</small>		
<small>Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</small>		
33 61 13 00-0505 EA 4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,268.43	
33 61 13 00-0506 EA 6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,057.47	
33 61 13 00-0507 EA 8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,322.95	
33 61 13 00-0508 EA 10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,821.68	
33 61 13 00-0509 EA 12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	7,487.28	
33 61 13 00-0510 EA 14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	8,947.16	
33 61 13 00-0511 EA 16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	10,586.62	
33 61 13 00-0512 EA 18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	13,217.41	
33 61 13 00-0513 EA 20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	16,771.03	
33 61 13 00-0514 EA 24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	21,690.31	
<b>33 61 13 00-0515 Reducers</b> <small>(33 61 13 00-0478)</small>		
<b>33 61 13 00-0516 Reducers</b> <small>(33 61 13 00-0515)</small>		
<small>Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</small>		
33 61 13 00-0517 EA 4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	1,195.65	
33 61 13 00-0518 EA 6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	1,592.98	
33 61 13 00-0519 EA 8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	2,246.07	
33 61 13 00-0520 EA 10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	3,046.55	
33 61 13 00-0521 EA 12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	3,900.32	
<b>33 61 13 00-0522 Reducers</b> <small>(33 61 13 00-0515)</small>		
<small>Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</small>		
33 61 13 00-0523 EA 4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	1,298.88	
33 61 13 00-0524 EA 6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	1,743.71	
33 61 13 00-0525 EA 8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	2,463.98	
33 61 13 00-0526 EA 10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	3,325.09	
33 61 13 00-0527 EA 12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	4,268.97	
33 61 13 00-0528 EA 14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	5,095.48	
33 61 13 00-0529 EA 16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	6,021.49	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0530 EA 18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	7,472.02	
33 61 13 00-0531 EA 20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	9,539.35	
33 61 13 00-0532 EA 24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	12,368.66	
<b>33 61 13 00-0533 Tempered Water Piping Pre-Insulated</b> (33 61 13 00-0001)		
<b>33 61 13 00-0534 Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation</b> (33 61 13 00-0533)		
33 61 13 00-0535 LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation .....	117.34	20.81
33 61 13 00-0536 LF 6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation .....	152.13	23.33
33 61 13 00-0537 LF 8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation .....	212.21	26.08
33 61 13 00-0538 LF 10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation .....	291.67	32.60
33 61 13 00-0539 LF 12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation .....	374.12	40.21
<b>33 61 13 00-0540 Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation</b> (33 61 13 00-0533)		
33 61 13 00-0541 LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	58.49	23.33
33 61 13 00-0542 LF 6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	69.98	23.33
33 61 13 00-0543 LF 8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	80.91	23.33
33 61 13 00-0544 LF 10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	96.69	27.58
33 61 13 00-0545 LF 12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	117.21	35.01
<b>33 61 13 00-0546 Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation</b> (33 61 13 00-0533)		
33 61 13 00-0547 LF 4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	58.49	23.33
33 61 13 00-0548 LF 6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	69.98	23.33
33 61 13 00-0549 LF 8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	79.85	23.33
33 61 13 00-0550 LF 10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	96.69	27.58
33 61 13 00-0551 LF 12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	117.21	35.01
<b>33 70 Electrical Utilities</b> (33)		
<b>33 71 Electrical Utility Transmission and Distribution</b> (33 70)		
<b>33 71 19 Electrical Underground Ducts, Ductbanks and Manholes</b> (33 71)		
Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
<b>33 71 19 13 Electrical Manholes and Handholes</b> (33 71 19)		
<b>33 71 19 13-0001 Electrical Handholes And Pull Boxes</b> (33 71 19 13)		
<b>33 71 19 13-0002 Electrical Pull Boxes</b> (33 71 19 13-0001)		
See CSI section 33 05 63 00-0427 for handholes.		
33 71 19 13-0003 EA 24" x 36" x 24", Electric Pull Boxes, Precast Concrete .....	1,765.11	
33 71 19 13-0004 EA 24" x 36" x 36", Electric Pull Boxes, Precast Concrete .....	2,096.16	
33 71 19 13-0005 EA 30" x 48" x 36", Electric Pull Boxes, Precast Concrete .....	2,410.97	
33 71 19 13-0006 EA 36" x 72" x 24", Electric Pull Boxes, Precast Concrete .....	3,662.98	
33 71 19 13-0007 EA 36" x 60" x 36", Electric Pull Boxes, Precast Concrete .....	3,887.85	
33 71 19 13-0008 EA 48" x 48" x 36", Electric Pull Boxes, Precast Concrete .....	4,171.58	
33 71 19 13-0009 EA 48" x 60" x 48", Electric Pull Boxes, Precast Concrete .....	4,792.68	
<b>33 71 19 13-0010 Electrical Pull Boxes (CALTRANS)</b> (33 71 19 13-0001)		
33 71 19 13-0011 EA Body, CALTRANS 3-1/2 Precast Concrete Pull Box.....	124.68	
33 71 19 13-0012 EA Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	50.87	
33 71 19 13-0013 EA Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	77.66	
33 71 19 13-0014 EA Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	166.81	
33 71 19 13-0015 EA Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	259.25	
<i>For Galvanized Steel Cover, Add</i> 44.75		
33 71 19 13-0016 EA 12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box.....	63.43	
33 71 19 13-0017 EA Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box.....	63.43	
33 71 19 13-0018 EA Body, CALTRANS 5 Precast Concrete Pull Box.....	177.99	
33 71 19 13-0019 EA Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	68.37	
33 71 19 13-0020 EA Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	95.16	
33 71 19 13-0021 EA Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box.....	344.58	
<i>For Galvanized Steel Cover, Add</i> 82.05		
33 71 19 13-0022 EA 12" Extension, CALTRANS 5 Precast Concrete Pull Box.....	90.78	
33 71 19 13-0023 EA Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box.....	84.77	
33 71 19 13-0024 EA Body, CALTRANS 6 Precast Concrete Pull Box.....	195.50	
33 71 19 13-0025 EA Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	91.89	



<b>Utilities</b>	<b>33</b>	<b>33</b>
<b>Electrical Utilities</b>	<b>33 70</b>	
<b>Electrical Utility Transmission and Distribution</b>	<b>33 71</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 13-0026 EA Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	118.68	
33 71 19 13-0027 EA Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box.....	473.67	
<i>For Galvanized Steel Cover, Add</i>	<i>114.86</i>	
33 71 19 13-0028 EA 12" Extension, CALTRANS 6 Precast Concrete Pull Box.....	108.29	
33 71 19 13-0029 EA Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	101.72	
33 71 19 13-0030 EA 6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	141.11	
33 71 19 13-0031 EA Body, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	284.94	
33 71 19 13-0032 EA Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	414.59	
33 71 19 13-0033 EA 12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	130.17	
33 71 19 13-0034 EA Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	119.23	
33 71 19 13-0035 EA Body, CALTRANS 5-T Precast Concrete Pull Box.....	370.53	
33 71 19 13-0036 EA Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box.....	600.56	
33 71 19 13-0037 EA 12" Extension, CALTRANS 5-T Precast Concrete Pull Box.....	156.42	
33 71 19 13-0038 EA Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box.....	152.04	
33 71 19 13-0039 EA Body, CALTRANS 6-T Precast Concrete Pull Box.....	530.25	
33 71 19 13-0040 EA Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box.....	841.23	
33 71 19 13-0041 EA 12" Extension, CALTRANS 6-T Precast Concrete Pull Box.....	265.82	
33 71 19 13-0042 EA Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box.....	206.74	
 <b>33 71 19 13-0043 Electrical Property Line Boxes</b> <small>(33 71 19 13)</small>		
33 71 19 13-0044 EA 3'-6" x 2'-9" x 2' Deep Property Line Box.....	3,265.39	397.75
33 71 19 13-0045 EA 4'-6" x 3'-6" x 4' Deep Property Line Box.....	3,799.29	412.48
33 71 19 13-0046 EA 6' x 4' x 5' Deep Property Line Box.....	4,202.20	500.87
33 71 19 13-0047 EA 11'-6" x 4'-6" x 6' Deep Property Line Box.....	6,412.99	736.57
 <b>33 71 19 13-0048 Manhole Accessories</b> <small>(33 71 19 13)</small>		
33 71 19 13-0049 EA 6" Precast Grade Ring Riser Casting.....	428.49	
33 71 19 13-0050 EA 12" Precast Grade Ring Riser Casting.....	464.04	
33 71 19 13-0051 EA 36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D).....	2,573.55	
33 71 19 13-0052 EA 42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1).....	3,368.37	
33 71 19 13-0053 EA Cast Iron Adjusting Ring (NEENAH #R-1979).....	1,041.71	
33 71 19 13-0054 EA Cast Iron Frame And Cover (NEENAH #R-1640-B).....	1,342.64	
 <b>33 71 19 23 Trenched Electrical Underground Duct and Ductbanks</b> <small>(33 71 19)</small>		
<b>33 71 19 23-0001 Underground Electrical Concrete Markers</b> <small>(33 71 19 23)</small>		
33 71 19 23-0002 EA 36" x 6" x 6", Underground Electric Concrete Marker.....	312.02	

**END OF SECTION 33**

**33 Utilities**

33 70 Electrical Utilities

33 71 Electrical Utility Transmission and Distribution



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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 34 Transportation

### 34 40 Transportation Signaling and Control Equipment <sup>(34)</sup>

#### 34 41 Roadway Signaling and Control Equipment <sup>(34 40)</sup>

##### 34 41 13 Traffic Signals <sup>(34 41)</sup>

##### 34 41 13 00-0001 Traffic Signals <sup>(34 41 13)</sup>

34 41 13 00-0002	EA Single Traffic Signal Head, 4 Way Pattern.....	5,502.91	738.29
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##### 34 41 13 00-0003 Traffic Detector Induction Loop <sup>(34 41 13)</sup>

34 41 13 00-0004	EA 6' x 6', Type A, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	365.32	
34 41 13 00-0005	EA 6' x 6', Type D, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	455.42	
34 41 13 00-0006	EA 6' x 6', Type D, 5 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	519.56	
34 41 13 00-0007	EA 6' x 6', Type Q, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	445.33	
34 41 13 00-0008	EA 6' x 20', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	772.80	
34 41 13 00-0009	EA 6' x 28', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	943.90	
34 41 13 00-0010	EA 6' x 28', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,010.68	
34 41 13 00-0011	EA 6' x 40', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,249.91	
34 41 13 00-0012	EA 6' x 40', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,347.47	
34 41 13 00-0013	EA 6' x 50', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,428.13	
34 41 13 00-0014	EA 6' x 50', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,547.28	
34 41 13 00-0015	LF In Pavement, Lead Wire For Traffic Signal Detector..... Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.	7.40	
34 41 13 00-0016	LF In Earthwork, Lead Wire For Traffic Signal Detector..... Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.	3.41	
34 41 13 00-0017	EA 2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222).....	253.54	
34 41 13 00-0018	EA 4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100).....	731.12	
34 41 13 00-0019	EA 2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100).....	450.90	

##### 34 41 13 00-0020 Overhead Traffic Signals <sup>(34 41 13)</sup>

34 41 13 00-0021	EA Vehicle Signal Face, LED, 1 - 12" Section.....	526.90	156.88
34 41 13 00-0022	EA Vehicle Signal Face, LED, 2 - 12" Sections.....	862.91	221.49
34 41 13 00-0023	EA Vehicle Signal Face, LED, 3 - 12" Sections.....	1,216.67	270.70
34 41 13 00-0024	EA Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank.....	1,153.37	270.70
34 41 13 00-0025	EA Vehicle Signal Face, LED, 4 - 12" Sections.....	1,552.52	301.47
34 41 13 00-0026	EA Vehicle Signal Face, LED, 5 - 12" Sections.....	1,863.77	319.93
34 41 13 00-0027	EA Vehicle Signal Face, LED, 5 - 12" Sections, Cluster.....	1,986.16	319.93
34 41 13 00-0028	EA Vehicle Signal Face, LED, 1 - 8" Section.....	495.25	156.88
34 41 13 00-0029	EA Vehicle Signal Face, LED, 2 - 8" Sections.....	799.60	221.49
34 41 13 00-0030	EA Vehicle Signal Face, LED, 3 - 8" Sections.....	1,062.63	270.70
34 41 13 00-0031	EA Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section.....	1,140.71	270.70
34 41 13 00-0032	EA Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections.....	1,417.47	301.47
34 41 13 00-0033	EA Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section.....	1,373.15	301.47
34 41 13 00-0034	EA Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections.....	1,631.64	319.93
34 41 13 00-0035	EA Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster.....	1,730.82	319.93
34 41 13 00-0036	EA Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed.....	2,525.00	270.70
34 41 13 00-0037	EA Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed.....	3,310.32	301.47
34 41 13 00-0038	EA Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed.....	4,332.70	319.93
34 41 13 00-0039	EA Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed.....	4,701.99	319.93
34 41 13 00-0040	EA Bracket Signal Mounting Assembly.....	511.99	123.05
34 41 13 00-0041	EA Mast Arm Signal Mounting Assembly.....	901.57	246.10
34 41 13 00-0042	EA Top Pole Signal Mounting Assembly.....	315.40	92.29
34 41 13 00-0043	EA Pedestrian Signal Head.....	938.89	184.57

**34 Transportation****34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

34 41 13 00-0044	EA	Pedestrian Signal Insert.....	583.40	92.29
34 41 13 00-0045	EA	Audible Pedestrian Signal.....	1,072.09	
34 41 13 00-0046	EA	Junction Box, Pole Or Post Mounted.....	412.69	
34 41 13 00-0047	EA	Pedestrian Push Button.....	383.39	
34 41 13 00-0048	EA	Illuminated Sign, Bracket Mounted, Symbolic.....	2,960.80	
34 41 13 00-0049	EA	Illuminated Sign, Mast Arm Mounted, Symbolic.....	3,101.40	
34 41 13 00-0050	EA	Sign, Message, "BLANK OUT", Bracket Mounted.....	3,243.09	
34 41 13 00-0051	EA	Sign, Message, "BLANK OUT", Mast Arm Mounted.....	3,456.05	
34 41 13 00-0052	EA	Sign, Fiber Optic, Bracket Mounted.....	3,670.79	
34 41 13 00-0053	EA	Sign, Fiber Optic, Mast Arm Mounted.....	3,888.29	
34 41 13 00-0054	EA	16" Pedestal With Base Plate And Cover.....	1,645.02	159.14
34 41 13 00-0055	EA	30' Type 15TS Signal And Lighting Standard.....	5,523.61	
		Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0056	EA	35' Type 21TS Signal And Lighting Standard.....	6,384.75	
		Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0057	EA	17' Type 18-2-100 Signal And Lighting Standard.....	3,144.50	
		Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0058	EA	17' Type 18-3-100 Signal And Lighting Standard.....	3,476.99	
		Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0059	EA	17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard.....	3,604.44	
		Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.		
34 41 13 00-0060	EA	17' Type 23-3-100 Signal And Lighting Standard.....	3,604.44	
		Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0061	EA	17' Type 23-4-100 Signal And Lighting Standard.....	3,671.36	
		Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0062	EA	17' Type 27-3-100 Signal And Lighting Standard.....	4,005.94	
		Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0063	EA	17' Type 27-4-100 Signal And Lighting Standard.....	4,082.88	
		Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0064	EA	17' Type 28-5-100 Signal And Lighting Standard.....	4,240.63	
		Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0065	EA	17' Type 60-5-100 Signal And Lighting Standard.....	4,489.09	
		Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0066	EA	18'-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard.....	3,340.09	
		Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.		
34 41 13 00-0067	EA	30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard.....	5,872.72	
		Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0068	EA	30' Type 19-2-100 Signal And Lighting Standard.....	6,570.95	
		Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0069	EA	30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard.....	6,838.60	
		Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0070	EA	30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard.....	6,838.60	
		Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0071	EA	30' Type 26-3-100 Signal And Lighting Standard.....	7,681.71	
		Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0072	EA	30' Type 26-4-100 Signal And Lighting Standard.....	8,004.91	
		Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0073	EA	30' Type 29-5-100 Signal And Lighting Standard.....	8,344.25	
		Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0074	EA	30' Type 61-5-100 Signal And Lighting Standard.....	8,878.74	
		Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0075	EA	35' Type 17A-2-100 Signal And Lighting Standard.....	6,822.51	
		Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0076	EA	35' Type 19A-2-100 Signal And Lighting Standard.....	7,637.11	
		Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0077	EA	35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard.....	7,949.39	
		Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0078	EA	35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard.....	7,949.39	
		Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0079	EA	35' Type 26A-3-100 Signal And Lighting Standard.....	8,933.00	
		Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0080	EA	35' Type 26A-4-100 Signal And Lighting Standard.....	9,310.07	
		Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0081	EA	35' Type 29A-5-100 Signal And Lighting Standard.....	9,705.97	
		Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0082	EA	35' Type 61A-5-100 Signal And Lighting Standard.....	10,329.53	
		Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.		
34 41 13 00-0083	EA	15' Steel Straight Mast Arm, MONOTUBE.....	2,384.90	
34 41 13 00-0084	EA	20' Steel Straight Mast Arm, MONOTUBE.....	2,507.26	
34 41 13 00-0085	EA	25' Steel Straight Mast Arm, MONOTUBE.....	2,675.49	
34 41 13 00-0086	EA	30' Steel Straight Mast Arm, MONOTUBE.....	3,550.28	
34 41 13 00-0087	EA	35' Steel Straight Mast Arm, MONOTUBE.....	4,247.49	
34 41 13 00-0088	EA	40' Steel Straight Mast Arm, MONOTUBE.....	4,551.80	
34 41 13 00-0089	EA	45' Steel Straight Mast Arm, MONOTUBE.....	5,016.16	
34 41 13 00-0090	EA	50' Steel Straight Mast Arm, MONOTUBE.....	5,691.70	
34 41 13 00-0091	EA	55' Steel Straight Mast Arm, MONOTUBE.....	6,503.81	
34 41 13 00-0092	EA	60' Steel Straight Mast Arm, MONOTUBE.....	7,061.54	
34 41 13 00-0093	EA	65' Steel Straight Mast Arm, MONOTUBE.....	8,184.34	
34 41 13 00-0094	EA	4' Steel Curved Luminaire Mast Arm.....	826.72	
34 41 13 00-0095	EA	6' Steel Curved Luminaire Mast Arm.....	1,070.95	
		For High Rise Arm, Add	83.12	
34 41 13 00-0096	EA	8' Steel Curved Luminaire Mast Arm.....	1,339.80	
34 41 13 00-0097	EA	10' Steel Curved Luminaire Mast Arm.....	1,870.65	
		For High Rise Arm, Add	122.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0098 EA 12' Steel Curved Luminaire Mast Arm ..... <i>For High Rise Arm, Add</i>	2,050.97 144.30	
34 41 13 00-0099 EA 15' Steel Curved Luminaire Mast Arm ..... <i>For High Rise Arm, Add</i>	2,127.77 160.92	
34 41 13 00-0100 EA 20' Steel Curved Luminaire Mast Arm ..... <i>For High Rise Arm, Add</i>	2,403.07 192.18	
34 41 13 00-0101 EA 15' Tubular Aluminum Post.....	881.91	
34 41 13 00-0102 EA 17' Tubular Aluminum Post.....	943.34	
34 41 13 00-0103 EA 20' Tubular Aluminum Post.....	1,052.88	
34 41 13 00-0104 EA 14' High Galvanized Steel Traffic Signal Pole..... Note: For mast arm.	2,812.01	
34 41 13 00-0105 EA 21' High Galvanized Steel Traffic Signal Pole..... Note: For mast arm.	4,186.30	
34 41 13 00-0106 EA 22' High Galvanized Steel Traffic Signal Pole..... Note: For mast arm and luminare arm.	4,341.46	
34 41 13 00-0107 EA 30' High Galvanized Steel Traffic Signal Pole, Tapered, For >55' Mast Arm ..... Note: For mast arm and luminare arm.	5,868.63	
34 41 13 00-0108 EA 32' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm ..... Note: For mast arm and luminare arm.	6,136.91	
34 41 13 00-0109 EA 30' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm ..... Note: For mast arm and luminare arm.	4,879.17	
34 41 13 00-0110 EA 30' High Galvanized Steel Traffic Signal Pole, Octaflute .....	4,373.94	
34 41 13 00-0111 EA 30' (High Spun Aluminum Traffic Signal Pole, Tapered.....	3,609.77	
34 41 13 00-0112 EA Type 26-6-70 Signal Pole With 55' SMA And 20' LMA .....	23,400.53	
34 41 13 00-0113 EA Type 29-6-70 Signal Pole With 65' SMA And 20' LMA .....	26,966.20	
34 41 13 00-0114 EA CUT-OFF POLE AND CAPPED .....	157.52	
34 41 13 00-0115 EA PAINT EXISTING SL/TS CONTROLLER COMPLETE .....	46.75	
34 41 13 00-0116 EA PAINT EXISTING TS POST COMPLETE.....	223.28	
34 41 13 00-0117 EA 1 Channel Loop Detector Amplifier.....	1,214.77	
34 41 13 00-0118 EA 4 Channel Loop Detector Amplifier.....	2,273.26	
34 41 13 00-0119 EA FLASHING BEACON WITH DOWNLIGHT.....	1,849.22	
34 41 13 00-0120 EA Flashing Beacon, Bracket Mounted.....	680.01	
34 41 13 00-0121 EA Flashing Beacon, Mast Arm Mounted.....	680.01	
34 41 13 00-0122 EA Flashing Beacon, Solar Powered, Bracket Mounted.....	15,746.14	
34 41 13 00-0123 EA Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US).....	3,838.12	
34 41 13 00-0124 EA Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US) .....	2,056.98	
34 41 13 00-0125 EA Smart Sensor HD (Wavetronix HD125) .....	10,987.31	
34 41 13 00-0126 EA Access Point (Sensys AP240-ES)..... Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.	5,075.75	
34 41 13 00-0127 EA Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA.....	8,786.93	
34 41 13 00-0128 EA Mounting Kit for Access Points and Repeaters (KIT-MTG).....	306.84	
34 41 13 00-0129 EA Repeater (Sensys RP240-B-LL) .....	2,325.04	
34 41 13 00-0130 EA Wireless Flush Mounted Sensor (Sensys VSN240-F)..... Note: Excludes coring.	1,033.05	
34 41 13 00-0131 EA Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug .....	2,576.93	
34 41 13 00-0132 EA Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles.....	6,770.98	1.52
34 41 13 00-0133 EA Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 & 26-4-80 Poles.....	8,865.03	1.52
34 41 13 00-0134 EA Pole Base Foundation for Type 15 and 21 Poles.....	5,282.16	1.52
34 41 13 00-0135 EA Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles.....	6,770.98	1.52
34 41 13 00-0136 EA Pole Base Foundation for 26-4-100 And 27-4-100 Poles .....	8,865.03	1.52
34 41 13 00-0137 EA LED Enhanced Pedestrian Crossing Symbol Sign .....	1,808.49	95.29
34 41 13 00-0138 EA 42" Height, 8-1/2" Diameter Automatic Bollard Activation System..... Note: 4 required per system.	5,172.36	571.75
34 41 13 00-0139 EA Power Control Unit With Enclosure (Solar)..... Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).	18,621.23	381.16
34 41 13 00-0140 EA Power Control Unit With Enclosure (A/C) .....	11,906.73	381.16
34 41 13 00-0141 EA Push Button Assembly With Sign .....	1,008.03	190.58
34 41 13 00-0142 EA Advanced Warning Signs.....	2,038.89	190.58
34 41 13 00-0143 EA Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000).....	5,908.00	
34 41 13 00-0144 EA Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100).....	6,087.37	
34 41 13 00-0145 EA Traffic Signal Controller Unit, TS 2 Type 2 Econolite Model ASC/2S-2100 .....	55,075.66	
34 41 13 00-0146 EA Traffic Signal Controller Unit, Replacement For Type 170E (ASC/3RM) .....	6,330.04	984.38
34 41 13 00-0147 EA Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way .....	1,083.15	
34 41 13 00-0148 EA Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way .....	1,188.66	
34 41 13 00-0149 EA Optical Detector For Mast Arm Mounting, 2 Channel .....	1,534.74	
34 41 13 00-0150 EA 2 Channel Phase Selector.....	3,586.73	
34 41 13 00-0151 EA 4 Channel Phase Selector .....	5,580.87	
34 41 13 00-0152 EA Malfunction Management Unit For Use With NEMA Controller.....	1,792.47	
34 41 13 00-0153 EA Malfunction Management Unit For Use With Type 170E Or 2070 Controller.....	1,792.47	52.15
34 41 13 00-0154 EA Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way .....	1,083.15	208.63
34 41 13 00-0155 EA Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way .....	1,188.66	208.63
34 41 13 00-0156 EA Optical Detector For Pole-Side Mounting, 2 Channel .....	1,534.74	208.63
34 41 13 00-0157 EA Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way.....	1,083.15	208.63
34 41 13 00-0158 EA Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way.....	1,188.66	208.63
34 41 13 00-0159 EA Optical Detector For Pedestal Or Pipe Mounting, 2 Channel.....	1,534.74	208.63

**34 Transportation****34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

34 41 13 00-0160	EA	Optical Detector For Span Wire Mounting, 1 Channel, 1 Way.....	1,083.15	208.63
34 41 13 00-0161	EA	Optical Detector For Span Wire Mounting, 1 Channel, 2 Way.....	1,188.66	208.63
34 41 13 00-0162	EA	Optical Detector For Span Wire Mounting, 2 Channel.....	1,534.74	208.63
34 41 13 00-0163	EA	Optical Detector For Signal Top Mounting, 1 Channel, 1 Way.....	1,083.15	208.63
34 41 13 00-0164	EA	Optical Detector For Signal Top Mounting, 1 Channel, 2 Way.....	1,188.66	208.63
34 41 13 00-0165	EA	Optical Detector For Signal Top Mounting, 2 Channel.....	1,534.74	208.63
34 41 13 00-0166	EA	Time Switch, 1-Circuit.....	337.15	
34 41 13 00-0167	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal.....	359.49	
34 41 13 00-0168	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay.....	471.33	
34 41 13 00-0169	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal.....	671.80	
34 41 13 00-0170	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay.....	844.84	
34 41 13 00-0171	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply.....	2,300.88	
34 41 13 00-0172	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet.....	2,300.88	
34 41 13 00-0173	EA	Power Line Surge Protector - Edco SHP 300-10.....	210.61	
34 41 13 00-0174	EA	Loop Detector Surge Protector - Edco SRA-6LC.....	106.07	
34 41 13 00-0175	EA	Controller Cabinet (Econolite Type "O").....	31,531.57	
34 41 13 00-0176	EA	Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay.....	13,643.41	
34 41 13 00-0177	EA	Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays.....	14,846.22	
34 41 13 00-0178	EA	Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay.....	16,291.71	
34 41 13 00-0179	EA	Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays.....	16,734.85	
34 41 13 00-0180	EA	Speed Limit Beacon Control Cabinet.....	6,752.08	
34 41 13 00-0181	EA	Speed Limit Beacon Control Option.....	6,013.79	369.14
34 41 13 00-0182	EA	Remote Detector Cabinet.....	3,481.27	
34 41 13 00-0183	EA	Traffic Signal Hand Control.....	984.67	
34 41 13 00-0184	EA	Extra Pedestrian Detector Isolation Assembly.....	773.65	
34 41 13 00-0185	EA	Fiber Optic Transceivers-Repeater Module.....	942.16	
34 41 13 00-0186	EA	Field Transceiver-Repeater.....	446.88	
34 41 13 00-0187	EA	Load Switch.....	97.95	
34 41 13 00-0188	EA	30" Pedestal With Base Plate And Cover.....	853.60	
34 41 13 00-0189	EA	8' Pedestal With Base Plate And Cover.....	1,260.10	
34 41 13 00-0190	EA	11' Pedestal With Base Plate And Cover.....	1,402.92	
34 41 13 00-0191	EA	15' Pedestal With Base Plate And Cover.....	1,557.10	
34 41 13 00-0192	LF	6-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.30	
34 41 13 00-0193	LF	12-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.39	
34 41 13 00-0194	LF	24-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.63	
34 41 13 00-0195	LF	36-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.86	
34 41 13 00-0196	LF	48-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.11	
34 41 13 00-0197	LF	72-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.50	
34 41 13 00-0198	LF	96-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.89	
34 41 13 00-0199	LF	144-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	3.61	
34 41 13 00-0200	LF	3/16" Diameter Messenger Cable.....	0.49	0.10
34 41 13 00-0201	LF	1/4" Diameter Messenger Cable.....	0.57	0.10
34 41 13 00-0202	LF	3/8" Diameter Messenger Cable.....	1.04	0.10
34 41 13 00-0203	LF	1/2" Diameter Messenger Cable.....	2.14	0.20
34 41 13 00-0204	EA	4' Diameter x 10' Concrete Base For Poles.....	2,684.22	
34 41 13 00-0205	EA	4' Diameter x 16' Concrete Base For Poles.....	4,264.49	
		Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41 13 00-0206	EA	Internally Illuminated Street Name Sign, 1 Line, 4'.....	2,686.80	246.10
34 41 13 00-0207	EA	Internally Illuminated Street Name Sign, 1 Line, 6'.....	3,316.30	307.62
34 41 13 00-0208	EA	Internally Illuminated Street Name Sign, 1 Line, 8'.....	3,608.16	369.14
34 41 13 00-0209	EA	Internally Illuminated Street Name Sign, 1 Line, 10'.....	4,068.84	430.67
34 41 13 00-0210	EA	Internally Illuminated Street Name Sign, 1 Line, 12'.....	4,360.70	492.19
34 41 13 00-0211	EA	Internally Illuminated Street Name Sign, 2 Line, 4'.....	4,282.11	246.10
34 41 13 00-0212	EA	Internally Illuminated Street Name Sign, 2 Line, 6'.....	5,274.56	307.62
34 41 13 00-0213	EA	Internally Illuminated Street Name Sign, 2 Line, 8'.....	5,684.60	369.14
34 41 13 00-0214	EA	Internally Illuminated Street Name Sign, 2 Line, 10'.....	6,347.86	430.67
34 41 13 00-0215	EA	Internally Illuminated Street Name Sign, 2 Line, 12'.....	6,808.53	492.19
34 41 13 00-0216	EA	Photoelectric Controller, Multi-Volt.....	85.89	27.12
34 41 13 00-0217	EA	Photoelectric Controller, 120 Volt.....	90.26	27.12
34 41 13 00-0218	EA	Photoelectric Controller, 480 Volt.....	90.26	27.12
34 41 13 00-0219	EA	Wi-Fi Communication Unit.....	1,404.60	123.05
34 41 13 00-0220	EA	Wi-Fi Communication Unit Mounting Bracket.....	290.08	92.29
34 41 13 00-0221	EA	Wi-Fi Communication Unit Power Supply / POE Injector.....	268.65	61.52
34 41 13 00-0222	EA	Wi-Fi Communication Unit Packet.....	1,963.33	184.57
34 41 13 00-0223	LF	Preemptor Detector Cable.....	1.89	
34 41 13 00-0224	EA	Sno-Shoe Cable Storage Assembly.....	250.77	

**34 41 13 00-0225 Traffic Signal Cable (34 41 13)**

34 41 13 00-0226	LF	16 AWG, 2-Conductor, Solid, Traffic Signal Cable.....	1.94	0.87
34 41 13 00-0227	LF	16 AWG, 3-Conductor, Solid, Traffic Signal Cable.....	2.17	0.92
34 41 13 00-0228	LF	16 AWG, 4-Conductor, Solid, Traffic Signal Cable.....	2.39	0.98
34 41 13 00-0229	LF	16 AWG, 5-Conductor, Solid, Traffic Signal Cable.....	2.60	1.05
34 41 13 00-0230	LF	16 AWG, 6-Conductor, Solid, Traffic Signal Cable.....	2.83	1.11
34 41 13 00-0231	LF	16 AWG, 8-Conductor, Solid, Traffic Signal Cable.....	3.27	1.23
34 41 13 00-0232	LF	16 AWG, 10-Conductor, Solid, Traffic Signal Cable.....	3.84	1.41
34 41 13 00-0233	LF	16 AWG, 12-Conductor, Solid, Traffic Signal Cable.....	4.40	1.60
34 41 13 00-0234	LF	16 AWG, 16-Conductor, Solid, Traffic Signal Cable.....	5.17	1.79
34 41 13 00-0235	LF	16 AWG, 20-Conductor, Solid, Traffic Signal Cable.....	6.07	1.97
34 41 13 00-0236	LF	14 AWG, 2-Conductor, Solid, Traffic Signal Cable.....	2.00	0.87





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0237 LF 14 AWG, 3-Conductor, Solid, Traffic Signal Cable .....	2.26	0.92
34 41 13 00-0238 LF 14 AWG, 4-Conductor, Solid, Traffic Signal Cable .....	2.49	0.98
34 41 13 00-0239 LF 14 AWG, 5-Conductor, Solid, Traffic Signal Cable .....	2.72	1.05
34 41 13 00-0240 LF 14 AWG, 6-Conductor, Solid, Traffic Signal Cable .....	2.99	1.11
34 41 13 00-0241 LF 14 AWG, 8-Conductor, Solid, Traffic Signal Cable .....	3.48	1.23
34 41 13 00-0242 LF 14 AWG, 10-Conductor, Solid, Traffic Signal Cable .....	4.09	1.41
34 41 13 00-0243 LF 14 AWG, 12-Conductor, Solid, Traffic Signal Cable .....	4.70	1.60
34 41 13 00-0244 LF 14 AWG, 16-Conductor, Solid, Traffic Signal Cable .....	5.57	1.79
34 41 13 00-0245 LF 14 AWG, 20-Conductor, Solid, Traffic Signal Cable .....	6.61	1.97
34 41 13 00-0246 LF 12 AWG, 2-Conductor, Solid, Traffic Signal Cable .....	2.13	0.87
34 41 13 00-0247 LF 12 AWG, 3-Conductor, Solid, Traffic Signal Cable .....	2.45	0.92
34 41 13 00-0248 LF 12 AWG, 4-Conductor, Solid, Traffic Signal Cable .....	2.74	0.98
34 41 13 00-0249 LF 12 AWG, 5-Conductor, Solid, Traffic Signal Cable .....	3.02	1.05
34 41 13 00-0250 LF 12 AWG, 6-Conductor, Solid, Traffic Signal Cable .....	3.36	1.11
34 41 13 00-0251 LF 12 AWG, 8-Conductor, Solid, Traffic Signal Cable .....	3.96	1.23
34 41 13 00-0252 LF 12 AWG, 10-Conductor, Solid, Traffic Signal Cable .....	4.69	1.41
34 41 13 00-0253 LF 12 AWG, 12-Conductor, Solid, Traffic Signal Cable .....	5.42	1.60
34 41 13 00-0254 LF 12 AWG, 16-Conductor, Solid, Traffic Signal Cable .....	6.53	1.79
34 41 13 00-0255 LF 12 AWG, 20-Conductor, Solid, Traffic Signal Cable .....	7.88	1.97
<b>34 41 13 00-0256 School Zone Flasher Beacons <small>(34 41 13)</small></b>		
34 41 13 00-0257 EA One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly .....	5,579.30	182.13
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0258 EA One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly .....	5,619.39	182.13
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0259 EA Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly .....	6,299.99	182.13
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0260 EA Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly .....	6,428.27	182.13
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0261 EA 10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly ...	11,846.18	182.13
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0262 EA 10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly ...	12,348.91	182.13
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
<b>34 41 13 00-0263 Traffic Light Control Synchronization <small>(34 41 13)</small></b>		
34 41 13 00-0264 EA ENCOM COMPACT IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput .....	4,819.83	
34 41 13 00-0265 EA ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R) .....	3,580.54	
34 41 13 00-0266 EA ENCOM Dual 2.4/2.4 GHz Broadband Radio with Integrated Antenna (COMMPAKBB24/24) .....	8,102.59	
34 41 13 00-0267 EA 5.8 GHz Broadband Radio with Integrated Antenna (COMMPAKBB58INT) .....	5,579.84	
34 41 13 00-0268 EA 2.4 GHz Broadband Radio with Integrated Antenna (COMMPAKBB24INT) .....	5,579.84	
34 41 13 00-0269 EA Solar Cabinet Assembly .....	14,895.88	
34 41 13 00-0270 EA Data Controller Interface Cable Assembly .....	577.98	
34 41 13 00-0271 EA 900 MHZ Splitter .....	705.39	
34 41 13 00-0272 EA 900 MHz Surge Suppressor .....	255.94	
34 41 13 00-0273 EA Surge-Radio Lead in Cable .....	161.16	
34 41 13 00-0274 EA 12DB GAIN YAGI Antenna .....	704.48	
34 41 13 00-0275 EA PELCO Antenna Mounting Bracket .....	459.91	
34 41 13 00-0276 MLF Coaxial Cable, LMR-400 .....	3,898.78	
34 41 13 00-0277 EA Perle 16 Port Serial Server .....	3,888.04	
34 41 13 00-0278 EA Serial to Ethernet Card .....	2,136.33	
34 41 13 00-0279 EA 404 Stand Alone Modem (GDI 404) .....	1,969.48	
<b>34 41 13 00-0280 Traffic Signal Controls <small>(34 41 13)</small></b>		
34 41 13 00-0281 EA Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2) .....	1,673.09	
34 41 13 00-0282 EA Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2) .....	719.79	
34 41 13 00-0283 EA AccessBox for contract closure master card (CC-ACC) .....	252.37	
34 41 13 00-0284 EA Flush Mount Wireless Sensor (ATT VSN240-F) .....	969.45	
34 41 13 00-0285 EA Flush Mount Wireless Sensor (Speed & Count VSN240-F) .....	969.45	
34 41 13 00-0286 EA Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX) .....	148.94	
34 41 13 00-0287 EA SNAPS License for each enabled AP (SNAPS-PER-AP) .....	413.48	
<b>34 41 13 00-0288 Traffic Signal Devices <small>(34 41 13)</small></b>		
34 41 13 00-0289 EA 12" Polycarbonate Signal Head Housing (McCain) .....	893.77	85.76
34 41 13 00-0290 EA 16" Polycarbonate Pedestrian Signal Housing (McCain) .....	449.38	66.71
34 41 13 00-0291 EA Pedestrian Push Button Cap & Switch (McCain M31334) .....	319.97	123.88
34 41 13 00-0292 EA Pedestrian Push Button Frame Assembly 4" Diameter Pole (McCain M19712) .....	434.33	181.05
34 41 13 00-0293 EA Pedestrian Push Button Frame Assembly 2" Diameter Pole (McCain M30793) .....	332.82	142.93
34 41 13 00-0294 EA 16 Channel Conflict Monitor (McCain 2010 ECLIP) .....	1,360.72	61.94
34 41 13 00-0295 EA LED Countdown Head (McCain GTX PS7-CFF1-VLA) .....	276.95	23.82

**34 Transportation****34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

34 41 13 00-0296	EA	Traffic signal Video Detection Camera (Iteris RZ4-awdr).....	3,089.57	104.82
34 41 13 00-0297	EA	Camera processor card (Iteris Edge Connect).....	7,075.93	152.47
34 41 13 00-0298	EA	Wireless Broadband Radio (Encom BB58).....	6,682.21	142.93
34 41 13 00-0299	EA	24-port Gigabit and 4-port 1G/10G SFP+ Ethernet Switch (Etherwan EX77900).....	4,408.65	114.35
34 41 13 00-0300	EA	Power Adapter (Mean Well DR-120-48).....	146.60	35.74
34 41 13 00-0301	LF	14/1 Cal Trans Type 2 Inductive Traffic Detection Loops (Advanced Digital Cable 8452).....	0.83	
34 41 13 00-0302	EA	Radar Detection System (Wavetronix Matrix).....	12,720.89	362.11
34 41 13 00-0303	EA	Pedestrian Audio Push Button (Polaris APS).....	361.21	90.53
34 41 13 00-0304	EA	Opticom Infrared System - Detector (GTT 711).....	975.30	85.00
34 41 13 00-0305	EA	Opticom Infrared System - Detector (GTT 721).....	1,091.19	95.10
34 41 13 00-0306	EA	Opticom Infrared System - Detector (GTT 722).....	1,519.80	132.45
34 41 13 00-0307	EA	Opticom Multimode Phase Selector (GTT 764).....	5,123.97	78.38
34 41 13 00-0308	LF	Opticom GPS Installation Cable (GTT 1070).....	1.00	
34 41 13 00-0309	EA	Precast Concrete Traffic Pull Box, 5-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1324).....	847.08	
34 41 13 00-0310	EA	Precast Concrete Traffic Pull Box, 6-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1730).....	898.55	
34 41 13 00-0311	EA	UPS Module (Alpha Technologies FXM 350).....	1,382.57	52.15
		Note: For battery backup in traffic signal control cabinet		
34 41 13 00-0312	EA	Web Connected Relay Switch (Control by Web X-301 WebRelay-Dual).....	428.73	42.88
		Note: To control flashing "School" signs		
34 41 13 00-0313	LF	Fiber optic cable, 72 strand, single mode, riser non-plenum jacket (Optical Cable Corp DX072DSLX9KR).....	9.76	0.44
34 41 13 00-0314	LF	Fiber optic cable, 12 strand, multi mode, riser non-plenum jacket (Superior Essex W30126G01 MM Fiber).....	2.30	0.37
34 41 13 00-0315	EA	12" LED Signal Module, Tinted Lens, Red (GE DR6-RTFB-VLA).....	122.03	42.88
34 41 13 00-0316	EA	12" LED Signal Module, Tinted Lens, Yellow (GE DR6-YTFB-VLA).....	122.03	42.88
34 41 13 00-0317	EA	12" LED Signal Module, Tinted Lens, Green (GE DR6-GTFB-VLA).....	122.03	42.88
34 41 13 00-0318	EA	12" LED Signal Module, Clear Lens, Red (GE DR6-RCFB-VLA).....	122.03	42.88
34 41 13 00-0319	EA	12" LED Signal Module, Clear Lens, Yellow (GE DR6-YCFB-VLA).....	122.03	42.88
34 41 13 00-0320	EA	12" LED Signal Module, Clear Lens, Green (GE DR6-GCFB-VLA).....	122.03	42.88
34 41 13 00-0321	EA	LED Countdown Pedestrian Signal, 16" x 18" (GE PS7-CFF1-VLA).....	363.52	109.58
34 41 13 00-0322	EA	EOC Switch (Actellis ML688).....	5,020.82	339.01
34 41 13 00-0323	EA	Ethernet Extender Kit (ENABLE-IT 860 Pro).....	1,355.73	78.23
34 41 13 00-0324	EA	#5 pull box lid (Concrete, Bolt down) (Christy N30T).....	105.05	20.43
34 41 13 00-0325	EA	#5 pull box lid (Steel, Bolt down) (Christy N30-61J).....	387.55	29.57
34 41 13 00-0326	EA	#6 pull box lid (Concrete, Bolt down) (Christy N36T).....	131.97	20.43
34 41 13 00-0327	EA	#6 pull box lid (Steel, Bolt down) (Christy N36-61J).....	470.89	29.57
34 41 13 00-0328	EA	Battery Back-up (Alpha FXM110 UPS).....	3,280.28	104.31
34 41 13 00-0329	EA	Battery (Alpha AlphaCell 220GXL).....	461.70	26.08
34 41 13 00-0330	EA	BBS Cabinet (Alpha SE48-1616).....	3,745.82	234.70
34 41 13 00-0331	LF	Fiber 72 Strands (Corning 072ZU4-T3F22D20).....	5.31	2.04
34 41 13 00-0332	LF	Fiber 12 Strands (Corning 012ZU4-T3F22D20).....	2.32	0.94
34 41 13 00-0333	EA	FDU & Splice Cassette with LC connector type (Corning CCH-01U, CCH-CS12-B3-P00RE).....	1,162.47	78.23
34 41 13 00-0334	EA	12" THREE SECTION HOUSING (McCain M22435).....	800.55	52.15
34 41 13 00-0335	EA	12" FOUR SECTION HOUSING (McCain M30883).....	1,026.76	78.23
34 41 13 00-0336	EA	12" FIVE SECTION HOUSING (McCain M31769).....	1,200.82	78.23
34 41 13 00-0337	EA	12" CLUSTER, WITHOUT MAS (McCain M30987).....	1,287.85	78.23
34 41 13 00-0338	EA	CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650).....	800.55	52.15
34 41 13 00-0339	EA	NAVIGATOR iN2 APS 2 WIRE PPB #IN250N0-B (Polaris iN250N0-B).....	800.55	52.15
34 41 13 00-0340	EA	NAVIGATOR iN2 CONTROLLER RACK MOUNT iCCU-C (Polaris iCCU-C).....	4,716.59	182.55
34 41 13 00-0341	EA	NAVIGATOR iN2 INTERCONNECT BOARD iN2-ICB-C (Polaris iN2-ICB-C).....	226.21	26.08
34 41 13 00-0342	EA	NAVIGATOR iN2 POWER SUPPLY iN2-150-WPS-C (Polaris iN2-150-WPS-C).....	226.21	26.08
34 41 13 00-0343	EA	NAVIGATOR iN2 CONNECTOR iN2-C4CABLE-C (Polaris iN2-c4cable-C).....	513.38	39.12
34 41 13 00-0344	EA	12" Visor (McCain M19302).....	38.27	10.43
34 41 13 00-0345	EA	LS,2202-HV (iPack), HDSP/FLASHER UNIT,ATC (McCain M36256).....	426.35	39.12
34 41 13 00-0346	EA	SIU,2218 SERIAL INTERFACE UNIT,ATC (McCain M36258).....	713.52	52.15
34 41 13 00-0347	EA	CMU,2212-HV (ip),32 CH W/ ETHERNET PORT, ATC (McCain M36259).....	1,331.36	78.23
34 41 13 00-0348	EA	ATCC-HV, INPUT ASSEMBLY, 24 CH W/ CONN IDC26 (McCain M54487).....	713.52	52.15
34 41 13 00-0349	EA	HARN, SB1/SB2,COMM EXTENSION (McCain M48062).....	139.18	26.08
34 41 13 00-0350	EA	ATCC-HV/LV, FITA ASSEMBLY, 24CH (McCain M54489).....	426.35	39.12
34 41 13 00-0351	EA	CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650).....	800.55	52.15
34 41 13 00-0352	EA	242L ISOLATOR, EDI (McCain M56812).....	139.18	26.08
34 41 13 00-0353	EA	EDI 222 DETECTOR (McCain M11407).....	182.69	26.08
34 41 13 00-0354	EA	ALPHA BBS, INVERTER & BYPASS SWITCH (McCain M59763).....	3,219.80	130.38
34 41 13 00-0355	EA	GENERATOR SWITCH AND PLUG ASSY FOR ALPHA BBS (McCain M68752-2).....	522.05	52.15
34 41 13 00-0356	EA	BBS BATTERY, ALPHACELL 165GXL (McCain M59884).....	713.52	52.15
34 41 13 00-0357	EA	Battery Backup Cabinet Anondize 44x26x12 (McCain M64438A).....	1,505.42	78.23

**34 41 16 Traffic Control Equipment (34 41)****34 41 16 00-0001 Transportation Control Equipment (34 41 16)**

34 41 16 00-0002	EA	CONTROLLER/SL/POLE MTD/1-PHASE/100A.....	7,740.41	850.51
34 41 16 00-0003	EA	CONTROLLER/SL/ON EMB POLE 1-PH/100A.....	7,838.39	899.48
34 41 16 00-0004	EA	CONTROLLER, SL, 3-PHASE, 100A, BASE MTD.....	9,494.10	910.06
34 41 16 00-0005	EA	CONTROLLER, SL, 3-PHASE, 200A, BASE MTD.....	11,293.54	1,104.97
34 41 16 00-0006	EA	CONTROLLER/SL/BASE MTD/1-PHASE/100A.....	9,169.71	545.11
34 41 16 00-0007	EA	CONTROLLER/SL/BASE MTD/1-PHASE/200A.....	10,164.14	596.78
34 41 16 00-0008	EA	CONTROLLER, TS, 12-BAY, "M" CABINET.....	16,727.70	938.24
34 41 16 00-0009	EA	CONTROLLER, TS, 12-BAY, "P" CABINET.....	17,817.37	1,039.75
34 41 16 00-0010	EA	CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER.....	25,390.54	1,168.96
34 41 16 00-0011	EA	CONTROLLER, TS, 16-BAY, "P" CABINET.....	20,169.31	1,107.43
34 41 16 00-0012	EA	CONTROLLER, PEDESTRIAN CROSSING, ADD-IN.....	625.75	130.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0013 EA CONCRETE BLOCK PEDESTAL.....	693.51	195.28
34 41 16 00-0014 WK MAINTAIN EXIST TS INSTALLATION.....	289.71	144.84
34 41 16 00-0015 EA INST SIGN BOARDS, ST. NAME.....	540.75	257.54
34 41 16 00-0016 EA F.O. ADD-IN FOR LOCAL CONTROLLER.....	8,409.86	326.18
34 41 16 00-0017 EA F.O. ADD-IN FOR MASTER CONTROLLER.....	20,263.16	489.41
34 41 16 00-0018 EA PDU Equipped netBooter With IEC320 C13 Outlets (Synaccess NP-0808DUH).....	992.30	13.59
34 41 16 00-0019 EA Remote Power Switched netBooter PDU, 8 Independent Outlets (Synaccess NP-0801DU).....	562.15	13.59
<b>34 41 16 00-0020 Transportation Cabinets (34 41 16)</b>		
<b>34 41 16 00-0021 Transportation Cabinets (Dudlik Enclosures) (34 41 16 00-0020)</b>		
34 41 16 00-0022 EA 50" x 30" x 17", Aluminum CCTV Cabinet (Dudlik Enclosures).....	2,569.03	156.46
34 41 16 00-0023 EA 66" x 48" x 30", Quad Door, 19" Racks, Aluminum CCTV Cabinet (Dudlik Enclosures).....	11,119.45	156.46
34 41 16 00-0024 EA 46" x 30" x 20", 19" Rack, Aluminum TTS Cabinet (Dudlik Enclosures).....	2,398.40	156.46
34 41 16 00-0025 EA 50" x 30" x 17", Aluminum ITS Controller Cabinet (Dudlik Enclosures).....	2,569.03	156.46
34 41 16 00-0026 EA 60" x 50" x 36", Quad Door, 19" Racks, Aluminum Fiber Cross Connect Cabinet (Dudlik Enclosures).....	11,498.62	156.46
34 41 16 00-0027 EA 55" x 16" x 17", Aluminum ITS Meter Cabinet (Dudlik Enclosures).....	1,640.05	156.46
<b>34 41 16 00-0028 Transportation Cabinets (APX Enclosures) (34 41 16 00-0020)</b>		
34 41 16 00-0029 EA 28" Wide, 16" Depth, 46" High, ITS Controller Cabinet (APX Enclosure LS503017).....	6,326.05	182.55
Note: 3R, single door, pad mounted aluminum enclosure. Includes natural finish, aluminum back panel, light kit with door switch, thermostatically controlled fan kit, heater kit with thermostat, one aluminum moveable shelf, and one aluminum moveable shelf with slide out drawer. Excludes pad.		
<b>34 41 16 00-0030 Transportation Cabinets (Transportation Control Systems) (34 41 16 00-0020)</b>		
34 41 16 00-0031 EA 30" Wide, 16" Depth, 48" High, Type 4, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B483016B2D2S).....	2,420.24	156.46
34 41 16 00-0032 EA 30" Wide, 16" Depth, 60" High, Type 4 Stretch, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B603016B2D2S).....	3,026.48	166.90
<b>34 41 16 00-0033 Transportation Cabinets (McCain) (34 41 16 00-0020)</b>		
34 41 16 00-0034 EA 24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 352i).....	11,583.28	182.55
Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.		
34 41 16 00-0035 EA 24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 332).....	11,583.28	182.55
Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.		
34 41 16 00-0036 EA ATC ColdFire Controller (McCain 170).....	5,899.83	
<b>34 41 16 00-0037 Traffic Control Equipment (34 41 16)</b>		
34 41 16 00-0038 EA ProStar PWM Charge Controller 12/24 Volt, 15 Amperes Without Display (Morningstar PS-15).....	281.48	52.15
34 41 16 00-0039 EA ProStar PWM Charge Controller 12/24 Volt, 15 Amperes With Display (Morningstar PS-15M).....	377.48	52.15
34 41 16 00-0040 EA ProStar PWM Charge Controller 12/24 Volt, 30 Amperes With Display (Morningstar PS-30M).....	438.46	52.15
34 41 16 00-0041 EA ProStar PWM Charge Controller 12/24 Volt, 30 Amperes Without Display (Morningstar PS-30).....	334.79	52.15
34 41 16 00-0042 MLF 10 AWG, 2 Conductor, 600V, Type TC, Non-Shielded Control Tray Cable (EnerSys A51002R).....	2,611.43	571.75
34 41 16 00-0043 EA Vehicle Detector, Circuit Breaker, 0.2 Amperes, Wavetronix SmartSensor (Wavetronix WX-CLK-210-02).....	110.69	26.08
34 41 16 00-0044 EA Vehicle Detector, 2.4 GHz 12 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0141).....	531.18	60.71
34 41 16 00-0045 EA Detection System, Vehicle, Two Sensor Preamsembled Backplate, with AC Power (Wavetronix WX-SSB01-0003).....	2,822.79	182.13
34 41 16 00-0046 EA Vehicle Detector, Power Supply, 24 Volt DC, 4 Amperes (Wavetronix WX-CLK-204).....	510.69	26.08
34 41 16 00-0047 EA Vehicle Detector, 4-Channel Contact Matrix Closure, Rack Card (Wavetronix WX-CLK-114).....	735.08	26.08
34 41 16 00-0048 EA 4 Channel Din-Rail Contact Closure Module (Wavetronix WX-CLK-104).....	836.02	52.15
34 41 16 00-0049 EA Detection System, Vehicle, Four Sensor Preamsembled Backplate, With AC Power, Wavetronix Smartsensor (Wavetronix WX-SS-B01-0005).....	3,733.57	52.15
34 41 16 00-0050 EA 50' Wavetronix Wiring Whip (Wavetronix WX-SS-708-060).....	364.26	182.13
34 41 16 00-0051 EA 60', 6-Conductor Power And Communication Cable With Connector (Wavetronix WX-SS-704-060).....	530.08	45.53
34 41 16 00-0052 EA 900 MHz 5 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0119).....	453.13	60.71
34 41 16 00-0053 EA 900 MHz 9 dBi Yagi Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0120).....	277.52	60.71
34 41 16 00-0054 EA Wavetronix Click 201 AC To DC Power Converter (Wavetronix WX-CLK-201).....	315.56	26.08
34 41 16 00-0055 EA 24 Volt DC 2 Amperes, Wavetronix Smartsensor (Wavetronix WX-CLK-202).....	383.86	26.08
34 41 16 00-0056 EA Coax Surge N-Type, Wavetronix SmartSensor (Wavetronix WX-CLK-250).....	169.22	26.08
34 41 16 00-0057 EA Power, RS232/RS485 Surge, Wavetronix Smartsensor (Wavetronix WX-CLK-200).....	520.44	26.08
34 41 16 00-0058 EA Two Sensor Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-222).....	588.73	26.08
34 41 16 00-0059 EA RS232 to RS485 Converter, Wavetronix SmartSensor (Wavetronix WX-CLK-304).....	735.08	26.08
34 41 16 00-0060 EA Wavetronix Click 301 Serial To Ethernet Converter (Wavetronix CLK-301).....	52.15	26.08
34 41 16 00-0061 EA Sensor Mount, Heavy Duty, 6 inch, 2 Axis Aluminum Bracket (Wavetronix WX-SS-611).....	462.88	60.71
34 41 16 00-0062 MLF LF, UV Resistant Polyethylene Jacketed Cable (Times Microwave Systems LMR-400).....	3,099.24	571.75
34 41 16 00-0063 EA N-Male (Plug) Clamp Connector (Times Microwave Systems TC-400-NMC).....	52.75	15.65
34 41 16 00-0064 EA Spectra IV SE Back Box, Heavy-Duty, Pendant Mount (Pelco BB4HD-PG-E).....	949.19	62.59
34 41 16 00-0065 EA Spectra III Clear Pendant Lower Dome, Heavy Duty (Pelco Id53hdpb-1).....	915.39	78.23
34 41 16 00-0066 EA 24" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2000).....	183.33	26.08
34 41 16 00-0067 EA 10" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2010).....	133.51	26.08
34 41 16 00-0068 EA 24 Volt AC, Remote Data Port (Pelco IPS-RDPE-2).....	496.33	26.08
34 41 16 00-0069 EA Spectra IV Remote Monitor Interface Cable (Pelco IPS-CABLE).....	200.34	26.08
34 41 16 00-0070 EA 120 Volt AC, 12.5 Watt, 12 Volt DC, 600 mA, External Plug In Power Supply (Triad Magnetics WDU12-600).....	74.35	26.08
34 41 16 00-0071 EA Control Area Network Direct Current Input/Output (Daktronics 0P-1247-0009).....	689.67	52.15
Note: Input/Output for sign peripherals.		
34 41 16 00-0072 EA Control Area Network Direct Current Input/Output (Daktronics 0P-1247-4009).....	689.67	52.15
Note: Input/Output for sign peripherals.		

**34 Transportation****34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0073 EA Control Area Network Distribution Board (Daktronics 0P-1248-0005) ..... Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.	1,323.82	52.15
34 41 16 00-0074 EA Control Area Network Distribution Board (Daktronics 0P-1248-0011) ..... Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.	1,323.82	52.15
34 41 16 00-0075 EA Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0019) ..... Note: Measures temperature and detects light and reports to CAN Dist Board.	436.02	52.15
34 41 16 00-0076 EA Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0015) ..... Note: Measures temperature and detects light and humidity and reports to CAN Dist board.	631.14	52.15
34 41 16 00-0077 EA Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0021) ..... Note: Measures temperature and detects light and humidity and reports to CAN Dist board.	631.14	52.15
34 41 16 00-0078 EA Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0003) ..... Note: Measures temperature and detects light and reports to CAN Dist board.	514.07	52.15
34 41 16 00-0079 EA Controller, VFC-3000 Field Controller NTCIPv1 (Daktronics 0A-1248-0016) ..... Note: The "brains" of the sign. Receives information from NTCIP central software and reports status and diagnostic information.	9,197.71	208.63
34 41 16 00-0080 EA DC/DC, Direct Current to Direct Current Converter (Daktronics 0P-1247-0025) ..... Note: Takes 24 Volt DC input from two power supplies and outputs 9 Volt DC for CAN Dist Board, providing power redundancy.	383.86	26.08
34 41 16 00-0081 EA Driver (Daktronics 0P-1100-0026) ..... Note: Driver takes data packets from Control Area Network to determine what pixels (LED clusters) are ON and which are OFF.	727.34	41.73
34 41 16 00-0082 EA External Temp Sensor (Daktronics 0P-1100-0014) ..... Note: Sensor that measures ambient temperature.	639.54	41.73
34 41 16 00-0083 EA Internal Temp Sensor (Daktronics 0P-1100-0038) ..... Note: Sensor that measures sign internal temperature.	717.58	41.73
34 41 16 00-0084 EA Light Level Detector (Daktronics 0P-1151-0002) ..... Note: The values from the light sensors are used by the sign controller to determine the appropriate sign brightness.	424.90	41.73
34 41 16 00-0085 EA Module (Daktronics 0A-1253-0608) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,323.82	52.15
34 41 16 00-0086 EA Module (Daktronics 0A-1253-3018) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,665.28	52.15
34 41 16 00-0087 EA Module (Daktronics 0A-1266-5002) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,470.16	52.15
34 41 16 00-0088 EA Module (Daktronics 0A-1332-6252) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	2,055.53	52.15
34 41 16 00-0089 EA Module (Daktronics 0A-1332-6455) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,665.28	52.15
34 41 16 00-0090 EA Module (Daktronics 0A-1332-6654) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,665.28	52.15
34 41 16 00-0091 EA Module (Daktronics 0P-1332-3015) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	884.80	52.15
34 41 16 00-0092 EA Module (Daktronics 0P-1332-4116) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	884.80	52.15
34 41 16 00-0093 EA Module (Daktronics 0P-1332-5031) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	884.80	52.15
34 41 16 00-0094 EA Module (Daktronics 0P-1332-5017) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	884.80	52.15
34 41 16 00-0095 EA Module Without Pan (Daktronics 0A-1253-0603) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign).	1,323.82	52.15
34 41 16 00-0096 EA Module Without Pan (Daktronics 0A-1253-1605) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign).	1,323.82	52.15
34 41 16 00-0097 EA Module Without Pan (Daktronics 0A-1254-1601) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign).	1,323.82	52.15
34 41 16 00-0098 EA Pixel Strip (Daktronics 0P-1100-0016) ..... Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	445.77	52.15
34 41 16 00-0099 EA Pixel Strip (Daktronics 0P-1100-0029) ..... Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	523.82	52.15
34 41 16 00-0100 EA Power Supply (Daktronics A-1593) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,567.72	52.15
34 41 16 00-0101 EA Power Supply (Daktronics A-1648) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,567.72	52.15
34 41 16 00-0102 EA Power Supply (Daktronics A-2307) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	592.11	52.15
34 41 16 00-0103 EA Surge Suppressor (Daktronics A-1129) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	238.20	31.29
34 41 16 00-0104 EA Surge Suppressor (Daktronics A-1412) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	501.61	31.29
34 41 16 00-0105 EA Surge Suppressor (Daktronics A-1772) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	501.61	31.29
34 41 16 00-0106 EA Surge Suppressor (Daktronics A-2139) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	745.52	31.29
34 41 16 00-0107 EA VCB, Vanguard Control Board (Daktronics 0P-1248-0022) ..... Note: Receives high speed serial communication over fiber or CAT5 from VFC-3000 and reports sign status and peripheral diagnostics.	1,265.28	52.15
34 41 16 00-0108 EA VMS I/O, Variable Message Sign Input/Output (Daktronics 0P-1194-0001) ..... Note: Input/Output board for sign peripherals.	1,714.06	52.15
34 41 16 00-0109 EA Power Supply Assembly (Daktronics A-1856R) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,128.70	52.15
34 41 16 00-0110 EA Power Supply Isolation Board (Daktronics 0P-1447-2000) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	738.45	52.15
34 41 16 00-0111 EA Ventilation/Circulation Fan (Daktronics B-1075) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	270.16	52.15
34 41 16 00-0112 EA VMS Controller (V2) (Daktronics 0A-1248-0028) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	9,197.71	208.63
34 41 16 00-0113 EA Photo/Temp Sensor (Daktronics 0P-1247-0015) ..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	631.14	52.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0114 EA Defog Fan (Daktronics B-1053).....	100.93	26.08
34 41 16 00-0115 EA Defog Heater (Daktronics A-1792).....	130.20	26.08
34 41 16 00-0116 EA Display Card 1500, 15' Clear (Ver-Mac PB-AFF-06023A-03 PF).....	836.02	52.15
34 41 16 00-0117 EA Display Card 1500, 30' Amber (Ver-Mac PB-AFF-06023-01 PF).....	836.02	52.15
34 41 16 00-0118 EA 1-Port Decoder With H.264 And High-Definition Technology (Verint S1801E-R).....	1,092.88	52.25
34 41 16 00-0119 EA 1-Port Video Encoder Featuring H.264 Technology With One Bi-directional Audio Channel And 12V DC Universal Power Supply (Verint S1801E).....	1,092.88	52.25
34 41 16 00-0120 EA 16-Port Video Encoder Featuring H.264 Technology (Verint S1816E).....	5,959.93	52.25
34 41 16 00-0121 EA Encoder H.264 Compact, Hiperfmc (Verint S1802E).....	1,415.12	52.25
34 41 16 00-0122 EA 110 Volt AC To 12 Volt DC At 45 Watt, Transformer (Verint PS1261).....	188.87	26.08
34 41 16 00-0123 EA 1-Channel Encoder, H.264 Dual-Streaming, SD Card Slot (Bosch VIP-X1XF-E).....	669.37	52.25
34 41 16 00-0124 EA Single/Quad-Stream Decoder (Bosch VIP-XD).....	1,763.94	52.25
34 41 16 00-0125 EA 1-Output, Outdoor-Rated CCTV Power Supply Unit, 24/26/28 Volt AC (Pelco WCS1-4).....	248.71	52.15
34 41 16 00-0126 EA 4-Outputs, Outdoor-Rated CCTV Power Supply With Circuit Breaker, 24/28 Volt AC (Pelco WCS4-20B).....	543.39	52.15
34 41 16 00-0127 EA 12.5KVA, 12 Volt, 75Ah, UPS Battery (UPG UB12750).....	267.54	13.07
34 41 16 00-0128 EA Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports (EtherWAN EX71440-B0B).....	3,403.55	104.31
34 41 16 00-0129 EA Power Supply, Hardened, External 100-240 Volt AC Input; TS2 rated; 12 Volt DC Output Power (EtherWAN 41-136046-1).....	207.01	26.08
34 41 16 00-0130 EA 4kVA / 3.6kW Split-Phase Power Module (Eaton 9PXMSPMM).....	3,099.08	52.15
34 41 16 00-0131 EA 208-240 Volt, 4-20kVA Rack/Tower UPS (Eaton 9PXM).....	7,217.86	258.17
34 41 16 00-0132 EA 30 Amperes, 600 Volt, 3-Pole, Fusible, NEMA 3R Rainproof, Safety Switch (Square D H361RB).....	952.28	135.61
34 41 16 00-0133 EA 30 Amperes, 600 Volt, LKS Fuse (Eaton Bussmann LKS-30).....	22.14	8.34
34 41 16 00-0134 EA 60 Amperes, 600 Volt, 3-Pole, Fusible, Heavy Duty, Safety Switch (Square D H362DS).....	2,510.67	104.31
34 41 16 00-0135 EA 60 Amperes, 600 Volt, Dual Element, Time-Delay Fuse (Eaton Bussmann FRS-R-60).....	51.75	8.34
34 41 16 00-0136 EA 50 Mbps, MIMO 2x2, 15 dBi Integrated Antenna (Proxim Wireless TSUNAMI QB-820).....	2,246.40	60.71
34 41 16 00-0137 EA Singlemode Loaded Fiber Adapter Panel, 6 Simplex SC/UPC Adapters (Multi-Link 10-4810).....	114.74	39.64
34 41 16 00-0138 EA 12" x 6" x 5-1/2", 2 Panel, 2 Splice Dual Security Door, Compact Wall Mount Fiber Distribution Unit (MultiLink 10-4469).....	343.19	52.15
34 41 16 00-0139 EA Single AC Inlet, 8 Nema 5-15 Outlets, Built-in AC Current Drawing Sensing Module (Synaccess NP-0801DT).....	630.92	13.59
34 41 16 00-0140 EA Aggregated TRMS AC Current Sensing, One Readout For All Outlets (Synaccess NP-0801DT(H)).....	680.21	13.59
34 41 16 00-0141 EA 550 Watt, 120 Volt AC, Fan Heater With Adjustable Thermostat, 32-140 Degree Fahrenheit (Stego CR-027).....	357.77	20.86
34 41 16 00-0142 EA 10/100M Switch, 4 x 1G Combo, LAN Base (Cisco IE-4000-4TC4G-E).....	4,326.91	125.17
34 41 16 00-0143 EA 12 Port, 2 Panel, Wall Mount, Compact Fiber Distribution Unit (MultiLink FWM012XLC).....	156.22	23.99
34 41 16 00-0144 EA 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel (MultiLink MSC-06-SM-C-BLK).....	39.98	5.21
34 41 16 00-0145 EA 170 Watt AC To DC, Industrial Ethernet Family Power Supply (Cisco PWR-IE170W-PC-AC).....	1,365.85	52.15
34 41 16 00-0146 EA 12 Port, Industrial Ethernet Layer 3 Switch Installed In Transportation Control Equipment (Cisco IE-4000-4GC4GP4G-E).....	4,705.87	104.31
34 41 16 00-0147 EA 2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line Uninterruptible Power Supply (UPS) (Xtreme Power P90-3000).....	3,149.23	172.11
34 41 16 00-0148 EA 100 Amperes, 16 Circuit, Main Lug Load Center Panelboard, 8-1 AWG, 120/240 Volt, Single Phase (Square D QO816L100DS).....	680.61	298.33
34 41 16 00-0149 EA 70 Amperes, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase (Square D QO24L70S).....	474.10	208.63
34 41 16 00-0150 EA 60 Amperes, 120/240 Volt, 2 Pole Common Trip Miniature Circuit Breaker, Plug On Mounting (Square D QO260).....	100.49	28.16
34 41 16 00-0151 EA 15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QOT1515).....	76.78	18.78
34 41 16 00-0152 EA 15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120).....	59.15	18.78
34 41 16 00-0153 EA 20 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120).....	59.15	18.78
34 41 16 00-0154 EA One Output Outdoor-rated CCTV Power Supply Unit, 24/26/28 Volt AC At 4 Amperes Total Supply Current, Fuse Protected Output, UL Listed (Pelco WCS1-4).....	248.71	52.15
34 41 16 00-0155 EA DIN Rail Mount, Switching Power Supply (TKH Security PSR12DC).....	293.79	26.13
34 41 16 00-0156 EA H.264 Multi-codec Video Encoder With Audio, Data And CC's (TKH Security C-60-E-MC).....	2,784.53	26.13
34 41 16 00-0157 EA Expansion Power Module For IE-3000-4TC And IE-3000-8TC (Cisco PWR-IE50W-AC-IEC).....	542.62	13.59
34 41 16 00-0158 EA Traffic Monitoring System (BlueToad Spectra Cellular/Solar Version).....	11,208.69	182.13
34 41 16 00-0159 EA Ubiquiti Rocket M9 Wireless Access Point (ROCKETM9).....	418.98	60.71

**34 41 33 In Roadway Warning Lights (34 41)**

**34 41 33 00-0001 In-Road Warning Light (IRWL) Pedestrian Safety System (34 41 33)**

34 41 33 00-0002 EA SC320 Controller: NEMA 3R Aluminum Pole Mount Cabinet (Spot Devices, Inc. #SC320036).....	6,914.96	147.70
34 41 33 00-0003 EA Spread Spectrum Local Wireless Activation (Spot Devices, Inc. #SC320026).....	534.62	11.92
34 41 33 00-0004 EA SC320AA: Passive Activation Bollard Pair, AC SC320 Controller (Spot Devices, Inc. #BA300000-D).....	14,692.47	309.69
34 41 33 00-0005 EA Whitney RS320 Road Spot: Amber Bidirectional (Spot Devices, Inc. #RS320701-D).....	3,426.65	71.47
34 41 33 00-0006 EA Polara Bulldog Pushbutton With LED And tone, R62E Sign With RIG (Spot Devices, Inc. #PB101131).....	597.17	11.92
34 41 33 00-0007 EA LED Enhanced Sign - 30" W11-2 Crosswalk Sign (Spot Devices, Inc. SL201011).....	2,819.06	59.56
Note: Excludes controller.		
34 41 33 00-0008 EA SB435: RRFB, Gen2, Large, With Single Pedestrian Signal (Spot Devices, Inc. SB110015).....	1,728.97	35.74
Note: Includes mounts.		
34 41 33 00-0009 EA Sign, W11-2 Crosswalk, 30", FYG With Mount (Spot Devices, Inc. #SG101102).....	316.60	7.15
34 41 33 00-0010 EA Sign, W16-7p Left Down Arrow, 12", FYG With Mount (Spot Devices, Inc. #SG101103).....	109.00	2.39
34 41 33 00-0011 EA RS300: Interconnect 16/4 Dual Plug Cable, 7 ft (Spot Devices, Inc. #RS301624).....	119.43	2.39
34 41 33 00-0012 EA RSV3 Installation Kit (Spot Devices, Inc. #RS308977).....	163.52	3.57
34 41 33 00-0013 EA RS300: Female-to-Female Interconnect 16/4 Dual Plug Cable, 25' (Spot Devices, Inc. #RS301644).....	282.96	5.96
34 41 33 00-0014 EA RS300: Interconnect 16/4 Dual Plug Cable, 7' Length (Spot Devices, Inc. #RS301624).....	119.43	2.39
34 41 33 00-0015 EA RS300: Lead-in Cable, 12/4 Single Plug, 75' Length (Spot Devices, Inc. #RS301651).....	415.19	9.53
34 41 33 00-0016 EA RS300: Lead-in Cable, 12/4 Single Plug, 50' Length (Spot Devices, Inc. #RS301650).....	347.87	7.15
34 41 33 00-0017 EA Plug, Dummy Female (Spot Devices, Inc. #RS301603).....	32.70	0.71
34 41 33 00-0018 EA Liquid Conduit Polymeric Asphalt Formula (Spot Devices, Inc. #RS308931).....	180.67	180.67
34 41 33 00-0019 LF Cable, Peripheral, 18/2 SO Burial, Unterminated (Spot Devices, Inc. #SC202602).....	2.18	2.18

<b>34</b>	<b>Transportation</b>
<b>34 40</b>	<b>Transportation Signaling and Control Equipment</b>
<b>34 41</b>	<b>Roadway Signaling and Control Equipment</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST    DEMOLITION UNIT COST

34 41 33 00-0020    LF    DC Interconnect Wire. 12/2 SO Burial, Unterminated (Spot Devices, Inc. #SC202603).....2.72

## 34 70 Transportation Construction and Equipment <sup>(34)</sup>

### 34 71 Roadway Construction <sup>(34 70)</sup>

#### 34 71 13 Vehicle Barriers <sup>(34 71)</sup>

##### 34 71 13 13 Vehicle Median Barriers <sup>(34 71 13)</sup>

34 71 13 13-0001	Concrete Median Barrier <sup>(34 71 13 13)</sup>		
34 71 13 13-0002	LF Median Barrier, Precast, 42" High Single Face.....	60.15	3.89
34 71 13 13-0003	LF Median Barrier, Precast, 32" High, 2' Wide Base, Double Face.....	101.03	3.89
34 71 13 13-0004	LF Median Barrier, Precast, 42" High, 2' Wide Base, Double Face.....	143.61	3.89
34 71 13 13-0005	LF Median Barrier, Cast In Place With Steel Forms.....	43.46	5.96
34 71 13 13-0006	LF Median Barrier, Slipformed Concrete.....	35.54	3.21

##### 34 71 13 16 Vehicle Crash Barriers <sup>(34 71 13)</sup>

34 71 13 16-0001	Impact Barrier, Non-Redirective <sup>(34 71 13 16)</sup>		
34 71 13 16-0002	Sand Barrel Impact Attenuator <sup>(34 71 13 16-0001)</sup>		
	Note: Includes containers, inserts, and lid. Excludes sand.		
34 71 13 16-0003	EA 200, 400 Or 700 LB Sand Barrel.....	621.90	45.69
	Note: Includes containers, inserts, and lid.		

##### 34 71 13 26 Vehicle Guide Rails <sup>(34 71 13)</sup>

34 71 13 26-0001	Mobilize Guide Rail Crew <sup>(34 71 13 26)</sup>		
34 71 13 26-0002	EA Mobilize Guide Rail Crew.....	1,165.30	
	Note: Excludes equipment mobilization.		
34 71 13 26-0003	Corrugated Beam Guide Rail <sup>(34 71 13 26)</sup>		
34 71 13 26-0004	Corrugated Beam Guide Railing <sup>(34 71 13 26-0003)</sup>		
34 71 13 26-0005	Corrugated Beam Guide Railing. Straight Sections <sup>(34 71 13 26-0004)</sup>		
	Note: Add additional length for back-up sections.		
34 71 13 26-0006	LF Corrugated Beam Guide Railing.....	17.92	2.08
34 71 13 26-0007	LF Corrugated Beam Guide Railing (Rustic).....	19.35	2.08
34 71 13 26-0008	Corrugated Beam Guide Railing, Shop Curved <sup>(34 71 13 26-0004)</sup>		
	Note: Add additional length for back-up sections.		
34 71 13 26-0009	LF Shop Curved Corrugated Beam Guide Railing.....	23.53	2.08
34 71 13 26-0010	LF Shop Curved Corrugated Beam Guide Railing (Rustic).....	25.50	2.08
34 71 13 26-0011	LF Shop Curved Corrugated Beam Guide Railing End.....	60.91	2.08
	Note: Treatment for mall barriers driveways, walkways, special end, etc.		
34 71 13 26-0012	LF Shop Curved Corrugated Beam Guide Railing (Rustic) End.....	66.50	2.08
	Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.		
34 71 13 26-0013	Corrugated Beam Guide Railing, Manufactured End Sections <sup>(34 71 13 26-0003)</sup>		
34 71 13 26-0014	EA Corrugated Beam Guide Railing End Section At Anchor Unit.....	133.23	27.47
34 71 13 26-0015	EA Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit.....	140.86	27.47
34 71 13 26-0016	EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section.....	179.04	27.47
34 71 13 26-0017	EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic).....	186.67	27.47
34 71 13 26-0018	EA Corrugated Beam Guide Railing 225 Degree End Section.....	179.04	27.47
34 71 13 26-0019	EA Corrugated Beam Guide Railing 225 Degree End Section (Rustic).....	186.67	27.47
34 71 13 26-0020	Corrugated Beam Guide Rail Posts <sup>(34 71 13 26-0003)</sup>		
	Note: Includes mounting hardware.		
34 71 13 26-0021	EA Standard Post For Corrugated Beam Guide Rail.....	142.70	15.41
	For Installation Without Soil Plate, Deduct	-5.00	
	For Installation In Rock, Add	4.11	
34 71 13 26-0022	EA Standard Post For (Rustic) Corrugated Beam Guide Rail.....	150.33	15.41
	For Installation Without Soil Plate, Deduct	-5.00	
	For Installation In Rock, Add	4.11	
34 71 13 26-0023	EA Extra Long Post For Corrugated Beam Guide Rail.....	157.97	15.41
	For Installation Without Soil Plate, Deduct	-5.00	
	For Installation In Rock, Add	4.11	
34 71 13 26-0024	EA Extra Long Post (Rustic) for Corrugated Beam Guide Rail.....	165.60	15.41
	For Installation Without Soil Plate, Deduct	-5.00	
	For Installation In Rock, Add	4.11	
34 71 13 26-0025	EA 6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail.....	142.70	15.41
	For Installation Without Soil Plate, Deduct	-5.00	
	For Installation In Rock, Add	4.11	
34 71 13 26-0026	EA Post Struts for Corrugated Beam Guide Rail Mall Barrier Post.....	203.77	15.41
	For Installation In Rock, Add	4.11	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>34 71 13 26-0027</b>				<b>Heavy Post Blocked Out Corrugated Beam Guide Rail Posts</b> <small>(34 71 13 26-0003)</small>		
				Note: Includes mounting hardware. Excludes triangular mounting brackets.		
	34 71 13 26-0028	EA		Standard Post For Heavy Post Blocked Out Corrugated Beam Guide .....	142.70	15.41
	34 71 13 26-0029	EA		Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide .....	150.33	15.41
	34 71 13 26-0030	EA		Extra Long Post For Heavy Post Blocked Out Corrugated Beam Guide.....	157.97	15.41
	34 71 13 26-0031	EA		Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail.....	165.60	15.41
				Note: For heavy post blocked out corrugated beam guide (rustic)		
	34 71 13 26-0032	EA		Type A Post 1630mm Post.....	138.88	15.41
				Note: For heavy post blocked out corrugated beam guide rail		
	34 71 13 26-0033	EA		Type A Post 1630mm Post (Rustic).....	146.51	15.41
				Note: For heavy post blocked out corrugated beam guide rail		
	34 71 13 26-0034	EA		Type B Post 1460mm .....	131.25	15.41
				Note: For heavy post blocked out corrugated beam guide rail		
	34 71 13 26-0035	EA		Type B Post 1460mm (Rustic).....	138.88	15.41
				Note: For heavy post blocked out corrugated beam guide rail		
	34 71 13 26-0036	EA		Type C Post 1290mm .....	123.61	15.41
				Note: For heavy post blocked out corrugated beam guide rail		
	34 71 13 26-0037	EA		Type C Post 1290mm (Rustic).....	131.25	15.41
				Note: For heavy post blocked out corrugated beam guide rail		
	34 71 13 26-0038	EA		Breakaway Wood Or Steel Post In Steel Foundation Tube .....	525.63	15.41
	34 71 13 26-0039	EA		Wood, Metal, Plastic Or Composite Offset Block Or Beam .....	58.72	15.41
				Note: For heavy post blocked out corrugated beam guide rail.		
<b>34 71 13 26-0040</b>				<b>Corrugated Beam Guide Rail Accessories</b> <small>(34 71 13 26-0003)</small>		
	34 71 13 26-0041	EA		Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C.....	117.96	31.21
<b>34 71 13 26-0042</b>				<b>Corrugated Beam Guide Rail Repair for Existing Guide Rail</b> <small>(34 71 13 26-0003)</small>		
				Note: Includes associated hardware.		
	34 71 13 26-0043	LF		Removal And Storage Of Corrugated Beam Guide Railing And Post.....	12.20	
	34 71 13 26-0044	EA		Install Stored Post For Corrugated Beam Guide Rail .....	41.62	
	34 71 13 26-0045	LF		Install Stored Corrugated Beam Guide Railing And Post.....	7.08	
<b>34 71 13 26-0046</b>				<b>Corrugated Thrie Beam Guide Railing</b> <small>(34 71 13 26-0003)</small>		
<b>34 71 13 26-0047</b>				<b>Corrugated Thrie Beam Guide Railing. Straight Sections</b> <small>(34 71 13 26-0046)</small>		
				Note: Add additional length for back-up sections.		
	34 71 13 26-0048	LF		Corrugated Thrie Beam Guide Railing.....	42.47	2.62
	34 71 13 26-0049	LF		Corrugated Thrie Beam Guide Railing (Rustic).....	44.79	2.62
<b>34 71 13 26-0050</b>				<b>Corrugated Thrie Beam Guide Railing. Shop Curved</b> <small>(34 71 13 26-0046)</small>		
				Note: Add additional length for back-up sections.		
	34 71 13 26-0051	LF		Shop Curved Corrugated Thrie Beam Guide Railing .....	51.77	2.62
	34 71 13 26-0052	LF		Shop Curved Corrugated Thrie Beam Guide Railing (Rustic).....	54.10	2.62
<b>34 71 13 26-0053</b>				<b>Corrugated Thrie Beam Guide Rail Posts</b> <small>(34 71 13 26-0046)</small>		
				Note: Includes hardware for mounting.		
	34 71 13 26-0054	EA		Standard Post For Corrugated Thrie Beam Guide Rail.....	171.44	2.62
				<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
				<i>For 32" Soil Plate, Add</i>	7.00	
	34 71 13 26-0055	EA		Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail .....	179.08	2.62
				<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
				<i>For 32" Soil Plate, Add</i>	7.00	
<b>34 71 13 26-0056</b>				<b>Timber Guide Rails</b> <small>(34 71 13 26)</small>		
				Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
<b>34 71 13 26-0057</b>				<b>Timber Guide Rail Posts</b> <small>(34 71 13 26-0056)</small>		
	34 71 13 26-0058	EA		6" x 8" Timber Guide Rail Post .....	105.14	10.40
	34 71 13 26-0059	EA		6" x 9" Timber Guide Rail Post .....	120.41	10.40
	34 71 13 26-0060	EA		10" x 10" Timber Guide Rail Post .....	240.00	10.40
	34 71 13 26-0061	EA		10" x 12" Timber Guide Rail Post .....	254.26	10.40
	34 71 13 26-0062	EA		12" x 12" Timber Guide Rail Post .....	294.91	10.40
<b>34 71 13 26-0063</b>				<b>Timber Guide Rails</b> <small>(34 71 13 26-0056)</small>		
				Note: Excludes posts, spacer blocks and steel backup plates.		
	34 71 13 26-0064	LF		4" x 9" Timber Guide Rail.....	13.07	1.25
	34 71 13 26-0065	LF		6" x 10" Timber Guide Rail.....	18.56	1.25
	34 71 13 26-0066	LF		6" x 12" Timber Guide Rail.....	21.78	1.25
<b>34 71 13 26-0067</b>				<b>Spacer Blocks For Timber Guide Rails</b> <small>(34 71 13 26-0056)</small>		
	34 71 13 26-0068	EA		4" x 9" Spacer Block For Timber Guide Rails .....	17.00	1.67
	34 71 13 26-0069	EA		6" x 8" Spacer Block For Timber Guide Rails .....	19.63	1.67

**34 Transportation****34 70 Transportation Construction and Equipment****34 71 Roadway Construction**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0070 EA 8" x 8" Spacer Block For Timber Guide Rails.....	22.99	1.67
<b>34 71 13 26-0071 Weathering Steel Backup Plates For Timber Guide Rails (34 71 13 26-0056)</b>		
34 71 13 26-0072 LF 6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	24.08	1.04
<b>34 71 13 26-0073 Weathering Steel Splice And Bearing Plates For Timber Guide Rails (34 71 13 26-0056)</b>		
34 71 13 26-0074 EA Weathering Steel Splice Plate For Timber Guide Rails.....	165.07	14.56
34 71 13 26-0075 EA Weathering Steel Bearing Termination Plate For Timber Guide Rails.....	103.12	10.40
<b>34 71 13 26-0076 Cable Guide Rail (34 71 13 26)</b>		
<b>34 71 13 26-0077 Cable Guide Rail (34 71 13 26-0076)</b>		
34 71 13 26-0078 LF Cable (Each Cable).....	9.51	2.25
Note: Includes tensioning. Excludes splices.		
34 71 13 26-0079 EA Cable Splice With Wedges.....	249.84	15.61
<b>34 71 13 26-0080 Cable Guide Rail Posts (34 71 13 26-0076)</b>		
Note: Includes hardware for cable mounting.		
34 71 13 26-0081 EA Standard Post for Cable Guide Rail.....	183.00	51.37
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	13.70	
34 71 13 26-0082 EA Standard Post (Rustic) for Cable Guide Rail.....	190.64	51.37
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	13.70	
34 71 13 26-0083 EA Extra Long Post for Cable Guide Rail.....	190.64	51.37
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	13.70	
34 71 13 26-0084 EA Extra Long Post (Rustic) for Cable Guide Rail.....	198.27	51.37
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	13.70	
34 71 13 26-0085 EA Slip Impact Post Top for Anchor Unit.....	119.00	20.55
34 71 13 26-0086 EA Slip Impact Post Base and Keeper Plate.....	309.86	20.55
Note: For anchor unit.		
<b>34 71 13 26-0087 Cable Guide Rail Accessories For Breakaway Anchor Angle Systems (34 71 13 26-0076)</b>		
34 71 13 26-0088 EA Turnbuckle Cable End Assembly For Use With Breakaway Anchors.....	537.57	208.51
34 71 13 26-0089 EA Turnbuckle Cable End Assembly.....	166.58	10.42
34 71 13 26-0090 EA Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors.....	541.30	5.18
34 71 13 26-0091 EA Spring Cable End Assembly (Compensating Device) Without Turnbuckle.....	556.57	5.18
34 71 13 26-0092 EA Breakaway Anchor Angle.....	212.39	10.42
34 71 13 26-0093 EA Standard End Post Cap Assembly.....	98.52	5.18
34 71 13 26-0094 EA Driveway End Post Cap Assembly.....	83.25	5.18
34 71 13 26-0095 EA End Post Ground Support Plates.....	45.08	5.18
34 71 13 26-0096 EA 11" Stud Bolt, Cable Guide Rail.....	39.36	5.18
34 71 13 26-0097 EA 18" Stud Bolt, Cable Guide Rail.....	46.99	5.18
34 71 13 26-0098 EA 25" Stud Bolt, Cable Guide Rail.....	54.62	5.18
34 71 13 26-0099 EA 1-1/4" Diameter Turnbuckle, Cable Guide Rail.....	471.95	10.42
34 71 13 26-0100 EA 1-1/2" Diameter Turnbuckle, Cable Guide Rail.....	502.49	10.42
34 71 13 26-0101 EA 5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail.....	334.54	10.42
34 71 13 26-0102 EA 5/8" Eye Bolt 18" Long, Cable Guide Rail.....	205.40	5.18
34 71 13 26-0103 EA 3/4" Eye Bolt 8'-6" Long, Cable Guide Rail.....	212.39	10.42
34 71 13 26-0104 EA 1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail.....	226.93	15.61
<b>34 71 13 26-0105 Cable Guide Rail Accessories For Slip Impact Post Systems (34 71 13 26-0076)</b>		
34 71 13 26-0106 EA Turnbuckle Cable End Assembly.....	381.69	17.16
Note: For use with slip impact post.		
34 71 13 26-0107 EA Spring Cable End Assembly (Compensating Device).....	748.13	17.16
Note: For use with slip impact post.		
34 71 13 26-0108 EA Anchor Angle For Slip Impact Post System.....	221.37	17.16
34 71 13 26-0109 EA Cable End Assembly Rod.....	183.20	17.16
Note: Includes cable end, threaded rod and keeper to anchor angle.		
<b>34 71 13 26-0110 Cable Guide Rail Repair For Existing Guide Rail (34 71 13 26-0076)</b>		
Note: Includes associated hardware.		
34 71 13 26-0111 LF Retention Existing Cable (Each Cable).....	1.39	
34 71 13 26-0112 LF Removal And Storage Of Cable Guide Railing.....	8.38	
34 71 13 26-0113 EA Install Stored Post For Cable Guide Railing.....	68.49	
34 71 13 26-0114 LF Install Stored Cable, (Each Cable).....	3.70	
Note: Includes retensioning. Excludes splices.		
<b>34 71 13 26-0115 6" x 6" Box Beam Guide Rail (34 71 13 26)</b>		
<b>34 71 13 26-0116 Box Beam Guide Rail, 6" x 6" (34 71 13 26-0115)</b>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>34 71 13 26-0117</b> <b>Straight Sections, Box Beam Guide Rail</b> <small>(34 71 13 26-0116)</small>		
34 71 13 26-0118    LF    Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	51.19	2.62
<i>Note: Excludes splices.</i>		
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
34 71 13 26-0119    LF    Box Beam Guide Railing 6" x 6" x 3/16" (Rustic).....	58.17	2.62
<i>Note: Excludes splices.</i>		
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
<b>34 71 13 26-0120</b> <b>Shop Curved, Box Beam Guide Rail</b> <small>(34 71 13 26-0116)</small>		
34 71 13 26-0121    LF    Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	77.95	2.62
<i>Note: Excludes splices.</i>		
<i>For Shop Curved At &lt;20' Radius, Add</i>		
	2.44	
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
34 71 13 26-0122    LF    Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic).....	84.93	2.62
<i>Note: Excludes splices.</i>		
<i>For Shop Curved At &lt;20' Radius, Add</i>		
	2.44	
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
<b>34 71 13 26-0123</b> <b>Box Beam Guide Rail End Treatment Sections</b> <small>(34 71 13 26-0115)</small>		
<i>Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.</i>		
34 71 13 26-0124    EA    Box Beam End Piece Guide Railing Section.....	805.04	31.21
<i>Note: Galvanized excludes splices.</i>		
34 71 13 26-0125    EA    Box Beam End Piece Guide Railing Section (Rustic).....	889.02	31.21
<i>Note: Excludes splices.</i>		
34 71 13 26-0126    EA    Box Beam Guide Railing End Treatment Section At Driveway, Galvanized.....	759.23	31.21
<i>Note: Excludes splices.</i>		
34 71 13 26-0127    EA    Box Beam Guide Railing End Treatment Section At Driveway, (Rustic).....	789.77	31.21
<i>Note: Excludes splices.</i>		
<b>34 71 13 26-0128</b> <b>Splices For Box Beam Guide Rail</b> <small>(34 71 13 26-0115)</small>		
34 71 13 26-0129    EA    Splice For Box Beam Guide Rail.....	207.18	46.33
34 71 13 26-0130    EA    Splice For Box Beam Guide Rail (Rustic).....	260.62	46.33
<b>34 71 13 26-0131</b> <b>Box Beam Guide Rail Posts</b> <small>(34 71 13 26-0115)</small>		
<i>Note: Includes hardware for box beam mounting.</i>		
34 71 13 26-0132    EA    Standard Post For Box Beam Guide Rail.....	190.64	51.37
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	13.70	
34 71 13 26-0133    EA    Standard Post (Rustic) for Box Beam Guide Railing.....	198.27	51.37
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	13.70	
34 71 13 26-0134    EA    Extra Long Post For Box Beam Guide Rail.....	205.91	51.37
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	13.70	
34 71 13 26-0135    EA    Extra Long Post (Rustic) For Box Beam Guide Rail.....	213.54	51.37
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	13.70	
34 71 13 26-0136    EA    Type I End Assembly Post.....	183.00	51.37
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	13.70	
34 71 13 26-0137    EA    Type I End Assembly Post (Rustic).....	190.64	51.37
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	13.70	
34 71 13 26-0138    EA    Type II End Assembly Post.....	175.37	51.37
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	13.70	
34 71 13 26-0139    EA    Type II End Assembly Post (Rustic).....	183.00	51.37
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	13.70	
<b>34 71 13 26-0140</b> <b>Box Beam Guide Rail Accessories</b> <small>(34 71 13 26-0115)</small>		
34 71 13 26-0141    EA    Box Beam Guide Rail End Cover Plate.....	104.09	9.36
34 71 13 26-0142    EA    Box Beam Guide Rail End Cover Plate (Rustic).....	111.72	9.36
<b>34 71 13 26-0143</b> <b>Box Beam Guide Railing Repair, And Resetting</b> <small>(34 71 13 26-0115)</small>		
<i>Note: For existing guide rail.</i>		
34 71 13 26-0144    LF    Removal And Storage Of Box Beam Guide Rail And Post.....	4.11	
34 71 13 26-0145    LF    Reset Box Beam Guide Rail.....	12.00	
<b>34 71 13 26-0146</b> <b>6" x 8" Box Beam Median Barrier</b> <small>(34 71 13 26)</small>		
<b>34 71 13 26-0147</b> <b>Box Beam Median Barrier, 6" x 8"</b> <small>(34 71 13 26-0146)</small>		
<b>34 71 13 26-0148</b> <b>Straight Sections, Box Beam Median Barrier</b> <small>(34 71 13 26-0147)</small>		
34 71 13 26-0149    LF    Box Beam Median Barrier Galvanized Excludes Splices.....	85.78	9.36
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0150 LF Box Beam Median Barrier (Rustic) Excludes Splices..... <i>For Flush Mounting Directly To Structure, Add</i>	92.76 1.83	9.36
<b>34 71 13 26-0151 Shop Curved, Box Beam Median Barrier</b> (34 71 13 26-0147)		
34 71 13 26-0152 LF Shop Curved Box Beam Median Barrier Galvanized..... Note: Excludes splices. <i>For Shop Curved At &lt;20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	104.12 2.44 1.83	9.36
34 71 13 26-0153 LF Shop Curved Box Beam Median Barrier Rustic..... Note: Excludes splices. <i>For Shop Curved At &lt;20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	127.03 2.44 1.83	9.36
<b>34 71 13 26-0154 Box Beam Median Barrier End Treatment Sections</b> (34 71 13 26-0146)		
Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0155 EA Box Beam Median Barrier Type A End Treatment Section, Galvanized..... Note: Excludes splices and post.	2,629.61	31.21
34 71 13 26-0156 EA Box Beam Median Barrier Type A End Treatment Section (Rustic)..... Note: Excludes splices and post.	2,690.69	31.21
34 71 13 26-0157 EA Box Beam Median Barrier Type B End Treatment Section, Galvanized..... Note: Excludes splices and post.	2,629.61	31.21
34 71 13 26-0158 EA Box Beam Median Barrier Type B End Treatment Section (Rustic)..... Note: Excludes splices and post.	2,690.69	31.21
<b>34 71 13 26-0159 Splices For Box Beam Median Barrier</b> (34 71 13 26-0146)		
34 71 13 26-0160 EA Splice for Box Beam Median Barrier.....	201.24	24.97
34 71 13 26-0161 EA Splice for Box Beam Median Barrier (Rustic).....	315.76	24.97
<b>34 71 13 26-0162 Box Beam Median Barrier Posts Driven With Soil Plate</b> (34 71 13 26-0146)		
Note: Includes all associated hardware.		
34 71 13 26-0163 EA Standard Post for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	190.64 -5.00 13.70	51.37
34 71 13 26-0164 EA Standard Post (Rustic) for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	198.27 -5.00 13.70	51.37
34 71 13 26-0165 EA Extra Long Post for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	205.91 -5.00 13.70	51.37
34 71 13 26-0166 EA Extra Long Post (Rustic) for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	213.54 -5.00 13.70	51.37
34 71 13 26-0167 EA Type B End Treatment or Rub Back Anchor Post for Box Beam..... Note: For median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	175.37 -5.00 13.70	51.37
34 71 13 26-0168 EA Type B End Treatment or Rub Back Anchor Post (Rustic)..... Note: For box beam median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	175.37 -5.00 13.70	51.37
34 71 13 26-0169 EA Type I End Assembly Post for Box Beam Median Barrier to Concrete..... Note: For median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	205.91 -5.00 13.70	51.37
34 71 13 26-0170 EA Type I End Assembly Post (Rustic) for Box Beam Median Barrier..... Note: For Concrete median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	213.54 -5.00 13.70	51.37
<b>34 71 13 26-0171 Box Beam Median Barrier Accessories</b> (34 71 13 26-0146)		
34 71 13 26-0172 EA Box Beam Median Barrier End Cover Plate.....	128.72	21.98
34 71 13 26-0173 EA Box Beam Median Barrier End Cover Plate (Rustic).....	136.35	21.98
<b>34 71 13 26-0174 Box Beam Median Barrier Repair, And Resetting</b> (34 71 13 26-0146)		
Note: For existing guide rail.		
34 71 13 26-0175 LF Removal And Storage Of Box Beam Median Barrier and Posts.....	4.25	
34 71 13 26-0176 LF Reset Box Beam Median Barrier.....	12.57	
<b>34 71 13 26-0177 Universal Guide Rail Items</b> (34 71 13 26)		
<b>34 71 13 26-0178 Guide Rail Concrete Anchor Units For All Types Of Guide Rail</b> (34 71 13 26-0177)		
Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0179 CY Guide Rail Concrete Anchor Unit..... <i>For Each Additional Set Of Anchor Rods, Add</i>	731.01 38.00	



<b>Transportation</b>	<b>34</b>
<b>Transportation Construction and Equipment</b>	<b>34 70</b>
<b>Roadway Construction</b>	<b>34 71</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0180 EA Reset Existing Anchorage Unit For All Types of Guide Rail.....	477.30	
Note: Includes excavation and backfill.		
34 71 13 26-0181 EA Removal Of Guide Rail Concrete Anchor Unit.....	561.02	
<b>34 71 13 26-0182 Guide Rail Repair For All Types Of Existing Guide Rail (34 71 13 26-0177)</b>		
Note: Includes associated hardware.		
34 71 13 26-0183 EA Straighten And Reset Driven Post For Guide Rail .....	68.49	
34 71 13 26-0184 EA Straighten And Reset Post Mounted On Concrete For Guide Rail .....	79.48	
Note: With base plate for guide rail. Includes new anchor bolts.		
<b>34 71 13 26-0185 Additional Wood and Steel Posts (34 71 13 26-0177)</b>		
34 71 13 26-0186 LF 4" x 6" Wood Post.....	59.14	17.16
For Installation In Rock, Add	4.58	
34 71 13 26-0187 LF 6" x 8" Wood Post.....	70.59	17.16
For Installation In Rock, Add	4.58	
34 71 13 26-0188 LF 6" x 7/8" Galvanized Steel Post .....	44.51	17.16
For Installation In Rock, Add	4.58	
34 71 13 26-0189 EA Base Plate With Anchor Bolts For Mounting Post On Concrete.....	410.15	17.16
<b>34 71 13 26-0190 Accessories For All Types of Guide Rail (34 71 13 26-0177)</b>		
34 71 13 26-0191 EA Reflector For Guard Rail.....	49.30	
<b>34 71 13 26-0192 Guide Rail Transitions (34 71 13 26)</b>		
<b>34 71 13 26-0193 Transition Box Beam Guide Rail To Corrugated Beam (34 71 13 26-0192)</b>		
34 71 13 26-0194 EA Box Beam To Corrugated Beam Rail Bolted Section.....	736.06	
34 71 13 26-0195 EA Box Beam To Corrugated Beam Rail Bolted Plate .....	430.69	
Note: For making cable connections.		
<b>34 71 13 26-0196 Transition Box Beam Median Barrier To Corrugated Beam Median (34 71 13 26-0192)</b>		
34 71 13 26-0197 EA Box Beam Median Barrier To Corrugated Beam Bolted Section .....	751.33	
34 71 13 26-0198 EA Box Beam Median Barrier To Corrugated Beam Harness Plate .....	430.69	
Note: For making cable connections.		
<b>34 71 13 26-0199 Transition Box Beam Guide Rail To Cable Guide Rail (34 71 13 26-0192)</b>		
34 71 13 26-0200 EA Box Beam to Cable Guide Rail U-bolt And Plate .....	104.14	16.65
<b>34 71 13 26-0201 Transition Box Beam Median Barrier To Concrete Median Barrier (34 71 13 26-0192)</b>		
34 71 13 26-0202 EA Box Beam Median Barrier To Concrete Barrier End Connection.....	1,041.43	
<b>34 71 13 26-0203 Transition Thrie Beam To Concrete Median Barrier (34 71 13 26-0192)</b>		
34 71 13 26-0204 EA Thrie Beam Terminal Connector At Concrete Median Barrier.....	659.72	
34 71 13 26-0205 EA Thrie Beam Transition Section To Corrugated Beam Guide Rail.....	850.57	
<b>34 71 13 26-0206 Resilient Guard Fence And Light Shield (34 71 13 26)</b>		
34 71 13 26-0207 LF Resilient Guard Fence And Light Shield, Up To 6' High .....	81.41	6.36
<b>34 71 13 26-0208 Individual Concrete Guard Rail Posts (34 71 13 26)</b>		
34 71 13 26-0209 EA 6'-5" Concrete Guard Rail Posts, Round.....	78.77	6.36
34 71 13 26-0210 EA 6'-5" Concrete Posts, Square.....	88.12	7.15
34 71 13 26-0211 EA 6'-5" Concrete Posts, Triangular .....	85.81	7.15
<b>34 71 16 Impact Attenuating Devices (34 71)</b>		
<b>34 71 16 00-0001 Guard Rail Energy Absorbing Terminals (34 71 16)</b>		
Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
<b>34 71 16 00-0002 24" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)</b>		
34 71 16 00-0003 EA 24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator .....	33,658.32	3,383.23
34 71 16 00-0004 EA 24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator .....	46,751.99	4,510.96
34 71 16 00-0005 EA 24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator .....	63,814.28	5,920.64
34 71 16 00-0006 EA 24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator .....	70,902.92	7,330.32
<b>34 71 16 00-0007 30" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)</b>		
34 71 16 00-0008 EA 30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator .....	36,237.48	3,806.13
34 71 16 00-0009 EA 30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator .....	50,487.47	5,074.84
34 71 16 00-0010 EA 30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator .....	69,298.75	6,766.45
34 71 16 00-0011 EA 30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator .....	79,348.05	8,176.12

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MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>34 71 16 00-0012</b>	<b>36" Wide Guard Rail Energy Absorbing Terminals</b>	<i>(34 71 16 00-0001)</i>		
34 71 16 00-0013	EA 36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator .....		38,846.55	4,229.03
34 71 16 00-0014	EA 36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator .....		54,252.15	5,638.71
34 71 16 00-0015	EA 36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator .....		74,191.04	7,471.29
34 71 16 00-0016	EA 36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator .....		87,762.35	9,021.93
<b>34 71 16 00-0017</b>	<b>69" Wide Guard Rail Energy Absorbing Terminals</b>	<i>(34 71 16 00-0001)</i>		
34 71 16 00-0018	EA 69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator .....		42,062.89	4,651.93
34 71 16 00-0019	EA 69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator .....		58,253.54	6,202.58
34 71 16 00-0020	EA 69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator .....		80,028.75	8,176.12
34 71 16 00-0021	EA 69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator .....		94,222.07	9,867.74
<b>34 71 16 00-0022</b>	<b>90" Wide Guard Rail Energy Absorbing Terminals</b>	<i>(34 71 16 00-0001)</i>		
34 71 16 00-0023	EA 90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator .....		45,367.36	5,074.84
34 71 16 00-0024	EA 90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator .....		62,358.49	6,766.45
34 71 16 00-0025	EA 90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator .....		86,637.70	9,021.93
34 71 16 00-0026	EA 90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator .....		100,863.62	10,713.55
<b>34 71 19</b>	<b>Vehicle Delineators</b>	<i>(34 71)</i>		
<b>34 71 19 16</b>	<b>Flexible Vehicle Delineators</b>	<i>(34 71 19)</i>		
34 71 19 16-0001	EA 2' High, 3" Diameter Flexible Fixed Stanchion Delineator.....		86.44	7.94
34 71 19 16-0002	EA 3' High, 3" Diameter Flexible Fixed Stanchion Delineator.....		87.69	7.94
34 71 19 16-0003	EA 3-1/2' High, 3" Diameter Flexible Fixed Stanchion Delineator.....		88.95	7.94
34 71 19 16-0004	EA 4' High, 3" Diameter Flexible Fixed Stanchion Delineator.....		90.20	7.94

**END OF SECTION 34**



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 40 Process Interconnections

### 40 05 Common Work Results For Process Interconnections <sup>(40)</sup>

#### 40 05 19 Ductile Iron Process Pipe <sup>(40 05)</sup>

##### 40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping <sup>(40 05 19)</sup>

Note: C110 Fittings, 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-2059 for bolts, 40 05 19 00-2074 for gaskets.

##### 40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <sup>(40 05 19 00-0001)</sup>

##### 40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <sup>(40 05 19 00-0002)</sup>

40 05 19 00-0004	EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	777.84	211.81
	For Class 52 Rating, Deduct	-50.26	
	For Class 54 Rating, Add	72.39	
	For Class 55 Rating, Add	109.60	
	For Class 56 Rating, Add	146.34	
40 05 19 00-0005	EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	832.34	215.52
	For Class 52 Rating, Deduct	-55.64	
	For Class 54 Rating, Add	79.79	
	For Class 55 Rating, Add	120.63	
	For Class 56 Rating, Add	160.97	
40 05 19 00-0006	EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	886.83	219.21
	For Class 52 Rating, Deduct	-61.02	
	For Class 54 Rating, Add	87.19	
	For Class 55 Rating, Add	131.67	
	For Class 56 Rating, Add	175.59	
40 05 19 00-0007	EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	941.33	222.92
	For Class 52 Rating, Deduct	-66.39	
	For Class 54 Rating, Add	94.59	
	For Class 55 Rating, Add	142.70	
	For Class 56 Rating, Add	190.22	
40 05 19 00-0008	EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	995.84	226.62
	For Class 52 Rating, Deduct	-71.77	
	For Class 54 Rating, Add	101.99	
	For Class 55 Rating, Add	153.74	
	For Class 56 Rating, Add	204.84	
40 05 19 00-0009	EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,050.34	230.33
	For Class 52 Rating, Deduct	-77.15	
	For Class 54 Rating, Add	109.39	
	For Class 55 Rating, Add	164.78	
	For Class 56 Rating, Add	219.46	
40 05 19 00-0010	EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,104.83	234.02
	For Class 52 Rating, Deduct	-82.53	
	For Class 54 Rating, Add	116.79	
	For Class 55 Rating, Add	175.82	
	For Class 56 Rating, Add	234.09	
40 05 19 00-0011	EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,159.33	237.73
	For Class 52 Rating, Deduct	-87.91	
	For Class 54 Rating, Add	124.19	
	For Class 55 Rating, Add	186.85	
	For Class 56 Rating, Add	248.71	
40 05 19 00-0012	EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,213.83	241.43
	For Class 52 Rating, Deduct	-93.28	
	For Class 54 Rating, Add	131.59	
	For Class 55 Rating, Add	197.89	
	For Class 56 Rating, Add	263.34	
40 05 19 00-0013	EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,268.33	245.13
	For Class 52 Rating, Deduct	-98.66	
	For Class 54 Rating, Add	138.99	
	For Class 55 Rating, Add	208.93	
	For Class 56 Rating, Add	277.96	
40 05 19 00-0014	EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,322.82	248.84
	For Class 52 Rating, Deduct	-104.04	
	For Class 54 Rating, Add	146.39	
	For Class 55 Rating, Add	219.96	
	For Class 56 Rating, Add	292.58	
40 05 19 00-0015	EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,377.33	252.54
	For Class 52 Rating, Deduct	-109.42	
	For Class 54 Rating, Add	153.80	
	For Class 55 Rating, Add	231.00	
	For Class 56 Rating, Add	307.21	
40 05 19 00-0016	EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,431.83	256.25
	For Class 52 Rating, Deduct	-114.79	
	For Class 54 Rating, Add	161.20	
	For Class 55 Rating, Add	242.04	
	For Class 56 Rating, Add	321.83	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0017 EA 4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,486.33	259.94
For Class 52 Rating, Deduct	-120.17	
For Class 54 Rating, Add	168.60	
For Class 55 Rating, Add	253.07	
For Class 56 Rating, Add	336.46	
40 05 19 00-0018 EA 4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,540.82	263.65
For Class 52 Rating, Deduct	-125.55	
For Class 54 Rating, Add	176.00	
For Class 55 Rating, Add	264.11	
For Class 56 Rating, Add	351.08	
40 05 19 00-0019 EA 4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,595.32	267.35
For Class 52 Rating, Deduct	-130.93	
For Class 54 Rating, Add	183.40	
For Class 55 Rating, Add	275.15	
For Class 56 Rating, Add	365.70	
40 05 19 00-0020 EA 4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,649.82	271.06
For Class 52 Rating, Deduct	-136.30	
For Class 54 Rating, Add	190.80	
For Class 55 Rating, Add	286.18	
For Class 56 Rating, Add	380.33	
40 05 19 00-0021 EA 4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,704.32	274.76
For Class 52 Rating, Deduct	-141.68	
For Class 54 Rating, Add	198.20	
For Class 55 Rating, Add	297.22	
For Class 56 Rating, Add	394.95	
40 05 19 00-0022 EA 4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,758.82	278.46
For Class 52 Rating, Deduct	-147.06	
For Class 54 Rating, Add	205.60	
For Class 55 Rating, Add	308.26	
For Class 56 Rating, Add	409.58	
40 05 19 00-0023 EA 4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,813.32	282.17
For Class 52 Rating, Deduct	-152.44	
For Class 54 Rating, Add	213.00	
For Class 55 Rating, Add	319.29	
For Class 56 Rating, Add	424.20	
40 05 19 00-0024 EA 4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,867.81	285.87
For Class 52 Rating, Deduct	-157.81	
For Class 54 Rating, Add	220.40	
For Class 55 Rating, Add	330.33	
For Class 56 Rating, Add	438.82	
40 05 19 00-0025 EA 4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,922.32	289.57
For Class 52 Rating, Deduct	-163.19	
For Class 54 Rating, Add	227.80	
For Class 55 Rating, Add	341.37	
For Class 56 Rating, Add	453.45	
40 05 19 00-0026 EA 4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,976.81	293.27
For Class 52 Rating, Deduct	-168.57	
For Class 54 Rating, Add	235.20	
For Class 55 Rating, Add	352.40	
For Class 56 Rating, Add	468.07	
40 05 19 00-0027 EA 4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,031.31	296.98
For Class 52 Rating, Deduct	-173.95	
For Class 54 Rating, Add	242.60	
For Class 55 Rating, Add	363.44	
For Class 56 Rating, Add	482.70	
40 05 19 00-0028 EA 4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,085.81	300.67
For Class 52 Rating, Deduct	-179.33	
For Class 54 Rating, Add	250.00	
For Class 55 Rating, Add	374.48	
For Class 56 Rating, Add	497.32	
40 05 19 00-0029 EA 4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,140.32	304.38
For Class 52 Rating, Deduct	-184.70	
For Class 54 Rating, Add	257.40	
For Class 55 Rating, Add	385.51	
For Class 56 Rating, Add	511.95	
40 05 19 00-0030 EA 4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,194.80	308.09
For Class 52 Rating, Deduct	-190.08	
For Class 54 Rating, Add	264.80	
For Class 55 Rating, Add	396.55	
For Class 56 Rating, Add	526.57	
40 05 19 00-0031 EA 4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,249.30	311.79
For Class 52 Rating, Deduct	-195.46	
For Class 54 Rating, Add	272.20	
For Class 55 Rating, Add	407.59	
For Class 56 Rating, Add	541.19	
40 05 19 00-0032 EA 4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,303.81	315.49
For Class 52 Rating, Deduct	-200.84	
For Class 54 Rating, Add	279.60	
For Class 55 Rating, Add	418.62	
For Class 56 Rating, Add	555.82	
40 05 19 00-0033 EA 4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,358.31	319.19
For Class 52 Rating, Deduct	-206.21	
For Class 54 Rating, Add	287.01	
For Class 55 Rating, Add	429.66	
For Class 56 Rating, Add	570.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0034 EA 4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,412.81	322.90
<i>For Class 52 Rating, Deduct</i>	-211.59	
<i>For Class 54 Rating, Add</i>	294.41	
<i>For Class 55 Rating, Add</i>	440.70	
<i>For Class 56 Rating, Add</i>	585.07	
40 05 19 00-0035 EA 4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,467.30	326.60
<i>For Class 52 Rating, Deduct</i>	-216.97	
<i>For Class 54 Rating, Add</i>	301.81	
<i>For Class 55 Rating, Add</i>	451.73	
<i>For Class 56 Rating, Add</i>	599.69	
40 05 19 00-0036 EA 4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,521.80	330.30
<i>For Class 52 Rating, Deduct</i>	-222.35	
<i>For Class 54 Rating, Add</i>	309.21	
<i>For Class 55 Rating, Add</i>	462.77	
<i>For Class 56 Rating, Add</i>	614.31	
40 05 19 00-0037 EA 4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,576.30	334.01
<i>For Class 52 Rating, Deduct</i>	-227.73	
<i>For Class 54 Rating, Add</i>	316.61	
<i>For Class 55 Rating, Add</i>	473.81	
<i>For Class 56 Rating, Add</i>	628.94	
40 05 19 00-0038 EA 4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,630.80	337.71
<i>For Class 52 Rating, Deduct</i>	-233.10	
<i>For Class 54 Rating, Add</i>	324.01	
<i>For Class 55 Rating, Add</i>	484.84	
<i>For Class 56 Rating, Add</i>	643.56	
40 05 19 00-0039 EA 4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,685.30	341.41
<i>For Class 52 Rating, Deduct</i>	-238.48	
<i>For Class 54 Rating, Add</i>	331.41	
<i>For Class 55 Rating, Add</i>	495.88	
<i>For Class 56 Rating, Add</i>	658.19	
40 05 19 00-0040 EA 4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,739.80	345.11
<i>For Class 52 Rating, Deduct</i>	-243.86	
<i>For Class 54 Rating, Add</i>	338.81	
<i>For Class 55 Rating, Add</i>	506.92	
<i>For Class 56 Rating, Add</i>	672.81	
40 05 19 00-0041 EA 4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,794.30	348.82
<i>For Class 52 Rating, Deduct</i>	-249.24	
<i>For Class 54 Rating, Add</i>	346.21	
<i>For Class 55 Rating, Add</i>	517.96	
<i>For Class 56 Rating, Add</i>	687.43	
40 05 19 00-0042 EA 4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,848.80	352.52
<i>For Class 52 Rating, Deduct</i>	-254.61	
<i>For Class 54 Rating, Add</i>	353.61	
<i>For Class 55 Rating, Add</i>	528.99	
<i>For Class 56 Rating, Add</i>	702.06	
<b>40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0044 EA 6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	984.98	266.61
<i>For Class 52 Rating, Deduct</i>	-63.91	
<i>For Class 54 Rating, Add</i>	92.00	
<i>For Class 55 Rating, Add</i>	139.26	
<i>For Class 56 Rating, Add</i>	185.94	
40 05 19 00-0045 EA 6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,050.76	270.31
<i>For Class 52 Rating, Deduct</i>	-70.53	
<i>For Class 54 Rating, Add</i>	101.09	
<i>For Class 55 Rating, Add</i>	152.82	
<i>For Class 56 Rating, Add</i>	203.90	
40 05 19 00-0046 EA 6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,116.54	274.02
<i>For Class 52 Rating, Deduct</i>	-77.15	
<i>For Class 54 Rating, Add</i>	110.19	
<i>For Class 55 Rating, Add</i>	166.37	
<i>For Class 56 Rating, Add</i>	221.85	
40 05 19 00-0047 EA 6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,182.32	277.72
<i>For Class 52 Rating, Deduct</i>	-83.77	
<i>For Class 54 Rating, Add</i>	119.28	
<i>For Class 55 Rating, Add</i>	179.92	
<i>For Class 56 Rating, Add</i>	239.80	
40 05 19 00-0048 EA 6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,248.10	281.43
<i>For Class 52 Rating, Deduct</i>	-90.39	
<i>For Class 54 Rating, Add</i>	128.37	
<i>For Class 55 Rating, Add</i>	193.47	
<i>For Class 56 Rating, Add</i>	257.75	
40 05 19 00-0049 EA 6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,313.88	285.12
<i>For Class 52 Rating, Deduct</i>	-97.01	
<i>For Class 54 Rating, Add</i>	137.46	
<i>For Class 55 Rating, Add</i>	207.03	
<i>For Class 56 Rating, Add</i>	275.70	
40 05 19 00-0050 EA 6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,379.66	288.83
<i>For Class 52 Rating, Deduct</i>	-103.62	
<i>For Class 54 Rating, Add</i>	146.56	
<i>For Class 55 Rating, Add</i>	220.58	
<i>For Class 56 Rating, Add</i>	293.66	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0051 EA 6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,445.44	292.53
For Class 52 Rating, Deduct	-110.24	
For Class 54 Rating, Add	155.65	
For Class 55 Rating, Add	234.13	
For Class 56 Rating, Add	311.61	
40 05 19 00-0052 EA 6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,511.22	296.24
For Class 52 Rating, Deduct	-116.86	
For Class 54 Rating, Add	164.74	
For Class 55 Rating, Add	247.68	
For Class 56 Rating, Add	329.56	
40 05 19 00-0053 EA 6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,577.01	299.94
For Class 52 Rating, Deduct	-123.48	
For Class 54 Rating, Add	173.84	
For Class 55 Rating, Add	261.24	
For Class 56 Rating, Add	347.51	
40 05 19 00-0054 EA 6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,642.78	303.64
For Class 52 Rating, Deduct	-130.10	
For Class 54 Rating, Add	182.93	
For Class 55 Rating, Add	274.79	
For Class 56 Rating, Add	365.46	
40 05 19 00-0055 EA 6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,708.56	307.35
For Class 52 Rating, Deduct	-136.72	
For Class 54 Rating, Add	192.02	
For Class 55 Rating, Add	288.34	
For Class 56 Rating, Add	383.42	
40 05 19 00-0056 EA 6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,774.34	311.04
For Class 52 Rating, Deduct	-143.34	
For Class 54 Rating, Add	201.11	
For Class 55 Rating, Add	301.89	
For Class 56 Rating, Add	401.37	
40 05 19 00-0057 EA 6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,840.13	314.75
For Class 52 Rating, Deduct	-149.96	
For Class 54 Rating, Add	210.21	
For Class 55 Rating, Add	315.45	
For Class 56 Rating, Add	419.32	
40 05 19 00-0058 EA 6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,905.90	318.45
For Class 52 Rating, Deduct	-156.57	
For Class 54 Rating, Add	219.30	
For Class 55 Rating, Add	329.00	
For Class 56 Rating, Add	437.27	
40 05 19 00-0059 EA 6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,971.68	322.16
For Class 52 Rating, Deduct	-163.19	
For Class 54 Rating, Add	228.39	
For Class 55 Rating, Add	342.55	
For Class 56 Rating, Add	455.23	
40 05 19 00-0060 EA 6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,037.47	325.85
For Class 52 Rating, Deduct	-169.81	
For Class 54 Rating, Add	237.49	
For Class 55 Rating, Add	356.10	
For Class 56 Rating, Add	473.18	
40 05 19 00-0061 EA 6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,103.25	329.56
For Class 52 Rating, Deduct	-176.43	
For Class 54 Rating, Add	246.58	
For Class 55 Rating, Add	369.66	
For Class 56 Rating, Add	491.13	
40 05 19 00-0062 EA 6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,169.02	333.27
For Class 52 Rating, Deduct	-183.05	
For Class 54 Rating, Add	255.67	
For Class 55 Rating, Add	383.21	
For Class 56 Rating, Add	509.08	
40 05 19 00-0063 EA 6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,234.80	336.97
For Class 52 Rating, Deduct	-189.67	
For Class 54 Rating, Add	264.76	
For Class 55 Rating, Add	396.76	
For Class 56 Rating, Add	527.03	
40 05 19 00-0064 EA 6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,300.59	340.67
For Class 52 Rating, Deduct	-196.29	
For Class 54 Rating, Add	273.86	
For Class 55 Rating, Add	410.31	
For Class 56 Rating, Add	544.99	
40 05 19 00-0065 EA 6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,366.37	344.37
For Class 52 Rating, Deduct	-202.90	
For Class 54 Rating, Add	282.95	
For Class 55 Rating, Add	423.87	
For Class 56 Rating, Add	562.94	
40 05 19 00-0066 EA 6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,432.15	348.08
For Class 52 Rating, Deduct	-209.52	
For Class 54 Rating, Add	292.04	
For Class 55 Rating, Add	437.42	
For Class 56 Rating, Add	580.89	
40 05 19 00-0067 EA 6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,497.93	351.78
For Class 52 Rating, Deduct	-216.14	
For Class 54 Rating, Add	301.14	
For Class 55 Rating, Add	450.97	
For Class 56 Rating, Add	598.84	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0068 EA 6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,563.71	355.48
<i>For Class 52 Rating, Deduct</i>	-222.76	
<i>For Class 54 Rating, Add</i>	310.23	
<i>For Class 55 Rating, Add</i>	464.52	
<i>For Class 56 Rating, Add</i>	616.79	
40 05 19 00-0069 EA 6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,629.49	359.19
<i>For Class 52 Rating, Deduct</i>	-229.38	
<i>For Class 54 Rating, Add</i>	319.32	
<i>For Class 55 Rating, Add</i>	478.08	
<i>For Class 56 Rating, Add</i>	634.75	
40 05 19 00-0070 EA 6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,695.29	362.89
<i>For Class 52 Rating, Deduct</i>	-236.00	
<i>For Class 54 Rating, Add</i>	328.42	
<i>For Class 55 Rating, Add</i>	491.63	
<i>For Class 56 Rating, Add</i>	652.70	
40 05 19 00-0071 EA 6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,761.06	366.59
<i>For Class 52 Rating, Deduct</i>	-242.62	
<i>For Class 54 Rating, Add</i>	337.51	
<i>For Class 55 Rating, Add</i>	505.18	
<i>For Class 56 Rating, Add</i>	670.65	
40 05 19 00-0072 EA 6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,826.84	370.29
<i>For Class 52 Rating, Deduct</i>	-249.24	
<i>For Class 54 Rating, Add</i>	346.60	
<i>For Class 55 Rating, Add</i>	518.74	
<i>For Class 56 Rating, Add</i>	688.61	
40 05 19 00-0073 EA 6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,892.62	374.00
<i>For Class 52 Rating, Deduct</i>	-255.86	
<i>For Class 54 Rating, Add</i>	355.69	
<i>For Class 55 Rating, Add</i>	532.29	
<i>For Class 56 Rating, Add</i>	706.56	
40 05 19 00-0074 EA 6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,958.41	377.70
<i>For Class 52 Rating, Deduct</i>	-262.47	
<i>For Class 54 Rating, Add</i>	364.79	
<i>For Class 55 Rating, Add</i>	545.84	
<i>For Class 56 Rating, Add</i>	724.51	
40 05 19 00-0075 EA 6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,024.18	381.40
<i>For Class 52 Rating, Deduct</i>	-269.09	
<i>For Class 54 Rating, Add</i>	373.88	
<i>For Class 55 Rating, Add</i>	559.39	
<i>For Class 56 Rating, Add</i>	742.46	
40 05 19 00-0076 EA 6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,089.96	385.10
<i>For Class 52 Rating, Deduct</i>	-275.71	
<i>For Class 54 Rating, Add</i>	382.97	
<i>For Class 55 Rating, Add</i>	572.95	
<i>For Class 56 Rating, Add</i>	760.41	
40 05 19 00-0077 EA 6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,155.75	388.81
<i>For Class 52 Rating, Deduct</i>	-282.33	
<i>For Class 54 Rating, Add</i>	392.07	
<i>For Class 55 Rating, Add</i>	586.50	
<i>For Class 56 Rating, Add</i>	778.37	
40 05 19 00-0078 EA 6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,221.53	392.52
<i>For Class 52 Rating, Deduct</i>	-288.95	
<i>For Class 54 Rating, Add</i>	401.16	
<i>For Class 55 Rating, Add</i>	600.05	
<i>For Class 56 Rating, Add</i>	796.32	
40 05 19 00-0079 EA 6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,287.30	396.21
<i>For Class 52 Rating, Deduct</i>	-295.57	
<i>For Class 54 Rating, Add</i>	410.25	
<i>For Class 55 Rating, Add</i>	613.60	
<i>For Class 56 Rating, Add</i>	814.27	
40 05 19 00-0080 EA 6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,353.08	399.92
<i>For Class 52 Rating, Deduct</i>	-302.19	
<i>For Class 54 Rating, Add</i>	419.34	
<i>For Class 55 Rating, Add</i>	627.16	
<i>For Class 56 Rating, Add</i>	832.22	
40 05 19 00-0081 EA 6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,418.87	403.62
<i>For Class 52 Rating, Deduct</i>	-308.81	
<i>For Class 54 Rating, Add</i>	428.44	
<i>For Class 55 Rating, Add</i>	640.71	
<i>For Class 56 Rating, Add</i>	850.18	
40 05 19 00-0082 EA 6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,484.65	407.33
<i>For Class 52 Rating, Deduct</i>	-315.42	
<i>For Class 54 Rating, Add</i>	437.53	
<i>For Class 55 Rating, Add</i>	654.26	
<i>For Class 56 Rating, Add</i>	868.13	
<b>40 05 19 00-0083 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)</b>		
40 05 19 00-0084 EA 8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,371.72	340.67
<i>For Class 52 Rating, Deduct</i>	-94.11	
<i>For Class 54 Rating, Add</i>	134.53	
<i>For Class 55 Rating, Add</i>	203.18	
<i>For Class 56 Rating, Add</i>	270.97	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0085 EA 8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,460.06	344.37
For Class 52 Rating, Deduct	-103.21	
For Class 54 Rating, Add	147.00	
For Class 55 Rating, Add	221.76	
For Class 56 Rating, Add	295.58	
40 05 19 00-0086 EA 8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,548.40	348.08
For Class 52 Rating, Deduct	-112.31	
For Class 54 Rating, Add	159.48	
For Class 55 Rating, Add	240.34	
For Class 56 Rating, Add	320.18	
40 05 19 00-0087 EA 8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,636.75	351.78
For Class 52 Rating, Deduct	-121.41	
For Class 54 Rating, Add	171.96	
For Class 55 Rating, Add	258.93	
For Class 56 Rating, Add	344.79	
40 05 19 00-0088 EA 8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,725.09	355.48
For Class 52 Rating, Deduct	-130.51	
For Class 54 Rating, Add	184.44	
For Class 55 Rating, Add	277.51	
For Class 56 Rating, Add	369.40	
40 05 19 00-0089 EA 8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,813.44	359.19
For Class 52 Rating, Deduct	-139.61	
For Class 54 Rating, Add	196.91	
For Class 55 Rating, Add	296.10	
For Class 56 Rating, Add	394.01	
40 05 19 00-0090 EA 8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,901.79	362.89
For Class 52 Rating, Deduct	-148.71	
For Class 54 Rating, Add	209.39	
For Class 55 Rating, Add	314.68	
For Class 56 Rating, Add	418.62	
40 05 19 00-0091 EA 8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,990.12	366.59
For Class 52 Rating, Deduct	-157.81	
For Class 54 Rating, Add	221.87	
For Class 55 Rating, Add	333.26	
For Class 56 Rating, Add	443.23	
40 05 19 00-0092 EA 8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,078.47	370.29
For Class 52 Rating, Deduct	-166.92	
For Class 54 Rating, Add	234.35	
For Class 55 Rating, Add	351.85	
For Class 56 Rating, Add	467.84	
40 05 19 00-0093 EA 8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,166.81	374.00
For Class 52 Rating, Deduct	-176.02	
For Class 54 Rating, Add	246.82	
For Class 55 Rating, Add	370.43	
For Class 56 Rating, Add	492.44	
40 05 19 00-0094 EA 8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,255.17	377.70
For Class 52 Rating, Deduct	-185.12	
For Class 54 Rating, Add	259.30	
For Class 55 Rating, Add	389.02	
For Class 56 Rating, Add	517.05	
40 05 19 00-0095 EA 8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,343.50	381.40
For Class 52 Rating, Deduct	-194.22	
For Class 54 Rating, Add	271.78	
For Class 55 Rating, Add	407.60	
For Class 56 Rating, Add	541.66	
40 05 19 00-0096 EA 8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,431.84	385.10
For Class 52 Rating, Deduct	-203.32	
For Class 54 Rating, Add	284.25	
For Class 55 Rating, Add	426.19	
For Class 56 Rating, Add	566.27	
40 05 19 00-0097 EA 8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,520.20	388.81
For Class 52 Rating, Deduct	-212.42	
For Class 54 Rating, Add	296.73	
For Class 55 Rating, Add	444.77	
For Class 56 Rating, Add	590.88	
40 05 19 00-0098 EA 8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,608.54	392.52
For Class 52 Rating, Deduct	-221.52	
For Class 54 Rating, Add	309.21	
For Class 55 Rating, Add	463.36	
For Class 56 Rating, Add	615.49	
40 05 19 00-0099 EA 8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,696.88	396.21
For Class 52 Rating, Deduct	-230.62	
For Class 54 Rating, Add	321.69	
For Class 55 Rating, Add	481.94	
For Class 56 Rating, Add	640.10	
40 05 19 00-0100 EA 8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,785.22	399.92
For Class 52 Rating, Deduct	-239.72	
For Class 54 Rating, Add	334.16	
For Class 55 Rating, Add	500.52	
For Class 56 Rating, Add	664.70	
40 05 19 00-0101 EA 8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,873.57	403.62
For Class 52 Rating, Deduct	-248.82	
For Class 54 Rating, Add	346.64	
For Class 55 Rating, Add	519.11	
For Class 56 Rating, Add	689.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0102 EA 8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,961.92	407.33
<i>For Class 52 Rating, Deduct</i>	-257.92	
<i>For Class 54 Rating, Add</i>	359.12	
<i>For Class 55 Rating, Add</i>	537.69	
<i>For Class 56 Rating, Add</i>	713.92	
40 05 19 00-0103 EA 8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,050.25	411.02
<i>For Class 52 Rating, Deduct</i>	-267.02	
<i>For Class 54 Rating, Add</i>	371.60	
<i>For Class 55 Rating, Add</i>	556.28	
<i>For Class 56 Rating, Add</i>	738.53	
40 05 19 00-0104 EA 8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,138.61	414.73
<i>For Class 52 Rating, Deduct</i>	-276.13	
<i>For Class 54 Rating, Add</i>	384.08	
<i>For Class 55 Rating, Add</i>	574.86	
<i>For Class 56 Rating, Add</i>	763.14	
40 05 19 00-0105 EA 8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,226.95	418.44
<i>For Class 52 Rating, Deduct</i>	-285.23	
<i>For Class 54 Rating, Add</i>	396.55	
<i>For Class 55 Rating, Add</i>	593.45	
<i>For Class 56 Rating, Add</i>	787.75	
40 05 19 00-0106 EA 8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,315.30	422.13
<i>For Class 52 Rating, Deduct</i>	-294.33	
<i>For Class 54 Rating, Add</i>	409.03	
<i>For Class 55 Rating, Add</i>	612.03	
<i>For Class 56 Rating, Add</i>	812.36	
40 05 19 00-0107 EA 8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,403.63	425.84
<i>For Class 52 Rating, Deduct</i>	-303.43	
<i>For Class 54 Rating, Add</i>	421.51	
<i>For Class 55 Rating, Add</i>	630.61	
<i>For Class 56 Rating, Add</i>	836.96	
40 05 19 00-0108 EA 8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,491.98	429.54
<i>For Class 52 Rating, Deduct</i>	-312.53	
<i>For Class 54 Rating, Add</i>	433.98	
<i>For Class 55 Rating, Add</i>	649.20	
<i>For Class 56 Rating, Add</i>	861.57	
40 05 19 00-0109 EA 8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,580.33	433.25
<i>For Class 52 Rating, Deduct</i>	-321.63	
<i>For Class 54 Rating, Add</i>	446.46	
<i>For Class 55 Rating, Add</i>	667.78	
<i>For Class 56 Rating, Add</i>	886.18	
40 05 19 00-0110 EA 8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,668.67	436.94
<i>For Class 52 Rating, Deduct</i>	-330.73	
<i>For Class 54 Rating, Add</i>	458.94	
<i>For Class 55 Rating, Add</i>	686.37	
<i>For Class 56 Rating, Add</i>	910.79	
40 05 19 00-0111 EA 8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,757.03	440.65
<i>For Class 52 Rating, Deduct</i>	-339.83	
<i>For Class 54 Rating, Add</i>	471.42	
<i>For Class 55 Rating, Add</i>	704.95	
<i>For Class 56 Rating, Add</i>	935.40	
40 05 19 00-0112 EA 8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,845.36	444.35
<i>For Class 52 Rating, Deduct</i>	-348.93	
<i>For Class 54 Rating, Add</i>	483.89	
<i>For Class 55 Rating, Add</i>	723.54	
<i>For Class 56 Rating, Add</i>	960.01	
40 05 19 00-0113 EA 8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,933.70	448.06
<i>For Class 52 Rating, Deduct</i>	-358.03	
<i>For Class 54 Rating, Add</i>	496.37	
<i>For Class 55 Rating, Add</i>	742.12	
<i>For Class 56 Rating, Add</i>	984.61	
40 05 19 00-0114 EA 8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,022.06	451.76
<i>For Class 52 Rating, Deduct</i>	-367.13	
<i>For Class 54 Rating, Add</i>	508.85	
<i>For Class 55 Rating, Add</i>	760.71	
<i>For Class 56 Rating, Add</i>	1,009.22	
40 05 19 00-0115 EA 8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,110.40	455.46
<i>For Class 52 Rating, Deduct</i>	-376.23	
<i>For Class 54 Rating, Add</i>	521.33	
<i>For Class 55 Rating, Add</i>	779.29	
<i>For Class 56 Rating, Add</i>	1,033.83	
40 05 19 00-0116 EA 8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,198.74	459.17
<i>For Class 52 Rating, Deduct</i>	-385.33	
<i>For Class 54 Rating, Add</i>	533.80	
<i>For Class 55 Rating, Add</i>	797.87	
<i>For Class 56 Rating, Add</i>	1,058.44	
40 05 19 00-0117 EA 8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,287.08	462.87
<i>For Class 52 Rating, Deduct</i>	-394.43	
<i>For Class 54 Rating, Add</i>	546.28	
<i>For Class 55 Rating, Add</i>	816.46	
<i>For Class 56 Rating, Add</i>	1,083.05	
40 05 19 00-0118 EA 8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,375.43	466.57
<i>For Class 52 Rating, Deduct</i>	-403.54	
<i>For Class 54 Rating, Add</i>	558.76	
<i>For Class 55 Rating, Add</i>	835.04	
<i>For Class 56 Rating, Add</i>	1,107.66	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0119 EA 8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,463.78	470.27
For Class 52 Rating, Deduct	-412.64	
For Class 54 Rating, Add	571.24	
For Class 55 Rating, Add	853.63	
For Class 56 Rating, Add	1,132.27	
40 05 19 00-0120 EA 8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,552.11	473.98
For Class 52 Rating, Deduct	-421.74	
For Class 54 Rating, Add	583.71	
For Class 55 Rating, Add	872.21	
For Class 56 Rating, Add	1,156.87	
40 05 19 00-0121 EA 8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,640.47	477.68
For Class 52 Rating, Deduct	-430.84	
For Class 54 Rating, Add	596.19	
For Class 55 Rating, Add	890.80	
For Class 56 Rating, Add	1,181.48	
40 05 19 00-0122 EA 8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,728.81	481.38
For Class 52 Rating, Deduct	-439.94	
For Class 54 Rating, Add	608.67	
For Class 55 Rating, Add	909.38	
For Class 56 Rating, Add	1,206.09	
<b>40 05 19 00-0123 10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)</b>		
40 05 19 00-0124 EA 10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,726.49	414.73
For Class 52 Rating, Deduct	-120.79	
For Class 54 Rating, Add	172.26	
For Class 55 Rating, Add	259.96	
For Class 56 Rating, Add	346.56	
40 05 19 00-0125 EA 10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,841.16	418.44
For Class 52 Rating, Deduct	-132.79	
For Class 54 Rating, Add	188.68	
For Class 55 Rating, Add	284.41	
For Class 56 Rating, Add	378.94	
40 05 19 00-0126 EA 10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,955.82	422.13
For Class 52 Rating, Deduct	-144.78	
For Class 54 Rating, Add	205.11	
For Class 55 Rating, Add	308.87	
For Class 56 Rating, Add	411.31	
40 05 19 00-0127 EA 10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,070.48	425.84
For Class 52 Rating, Deduct	-156.78	
For Class 54 Rating, Add	221.53	
For Class 55 Rating, Add	333.32	
For Class 56 Rating, Add	443.68	
40 05 19 00-0128 EA 10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,185.16	429.54
For Class 52 Rating, Deduct	-168.78	
For Class 54 Rating, Add	237.96	
For Class 55 Rating, Add	357.78	
For Class 56 Rating, Add	476.06	
40 05 19 00-0129 EA 10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,299.83	433.25
For Class 52 Rating, Deduct	-180.77	
For Class 54 Rating, Add	254.39	
For Class 55 Rating, Add	382.23	
For Class 56 Rating, Add	508.43	
40 05 19 00-0130 EA 10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,414.50	436.94
For Class 52 Rating, Deduct	-192.77	
For Class 54 Rating, Add	270.81	
For Class 55 Rating, Add	406.69	
For Class 56 Rating, Add	540.81	
40 05 19 00-0131 EA 10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,529.18	440.65
For Class 52 Rating, Deduct	-204.77	
For Class 54 Rating, Add	287.24	
For Class 55 Rating, Add	431.14	
For Class 56 Rating, Add	573.18	
40 05 19 00-0132 EA 10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,643.84	444.35
For Class 52 Rating, Deduct	-216.76	
For Class 54 Rating, Add	303.67	
For Class 55 Rating, Add	455.60	
For Class 56 Rating, Add	605.56	
40 05 19 00-0133 EA 10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,758.50	448.06
For Class 52 Rating, Deduct	-228.76	
For Class 54 Rating, Add	320.09	
For Class 55 Rating, Add	480.05	
For Class 56 Rating, Add	637.93	
40 05 19 00-0134 EA 10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,873.18	451.76
For Class 52 Rating, Deduct	-240.76	
For Class 54 Rating, Add	336.52	
For Class 55 Rating, Add	504.51	
For Class 56 Rating, Add	670.31	
40 05 19 00-0135 EA 10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,987.85	455.46
For Class 52 Rating, Deduct	-252.75	
For Class 54 Rating, Add	352.94	
For Class 55 Rating, Add	528.96	
For Class 56 Rating, Add	702.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0136 EA 10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,102.51	459.17
<i>For Class 52 Rating, Deduct</i>	-264.75	
<i>For Class 54 Rating, Add</i>	369.37	
<i>For Class 55 Rating, Add</i>	553.42	
<i>For Class 56 Rating, Add</i>	735.05	
40 05 19 00-0137 EA 10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,217.18	462.87
<i>For Class 52 Rating, Deduct</i>	-276.75	
<i>For Class 54 Rating, Add</i>	385.80	
<i>For Class 55 Rating, Add</i>	577.87	
<i>For Class 56 Rating, Add</i>	767.43	
40 05 19 00-0138 EA 10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,331.86	466.57
<i>For Class 52 Rating, Deduct</i>	-288.74	
<i>For Class 54 Rating, Add</i>	402.22	
<i>For Class 55 Rating, Add</i>	602.33	
<i>For Class 56 Rating, Add</i>	799.80	
40 05 19 00-0139 EA 10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,446.53	470.27
<i>For Class 52 Rating, Deduct</i>	-300.74	
<i>For Class 54 Rating, Add</i>	418.65	
<i>For Class 55 Rating, Add</i>	626.78	
<i>For Class 56 Rating, Add</i>	832.18	
40 05 19 00-0140 EA 10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,561.18	473.98
<i>For Class 52 Rating, Deduct</i>	-312.73	
<i>For Class 54 Rating, Add</i>	435.07	
<i>For Class 55 Rating, Add</i>	651.23	
<i>For Class 56 Rating, Add</i>	864.55	
40 05 19 00-0141 EA 10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,675.86	477.68
<i>For Class 52 Rating, Deduct</i>	-324.73	
<i>For Class 54 Rating, Add</i>	451.50	
<i>For Class 55 Rating, Add</i>	675.69	
<i>For Class 56 Rating, Add</i>	896.92	
40 05 19 00-0142 EA 10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,790.53	481.38
<i>For Class 52 Rating, Deduct</i>	-336.73	
<i>For Class 54 Rating, Add</i>	467.93	
<i>For Class 55 Rating, Add</i>	700.14	
<i>For Class 56 Rating, Add</i>	929.30	
40 05 19 00-0143 EA 10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,905.20	485.09
<i>For Class 52 Rating, Deduct</i>	-348.72	
<i>For Class 54 Rating, Add</i>	484.35	
<i>For Class 55 Rating, Add</i>	724.60	
<i>For Class 56 Rating, Add</i>	961.67	
40 05 19 00-0144 EA 10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,019.86	488.79
<i>For Class 52 Rating, Deduct</i>	-360.72	
<i>For Class 54 Rating, Add</i>	500.78	
<i>For Class 55 Rating, Add</i>	749.05	
<i>For Class 56 Rating, Add</i>	994.05	
40 05 19 00-0145 EA 10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,134.54	492.49
<i>For Class 52 Rating, Deduct</i>	-372.72	
<i>For Class 54 Rating, Add</i>	517.21	
<i>For Class 55 Rating, Add</i>	773.51	
<i>For Class 56 Rating, Add</i>	1,026.42	
40 05 19 00-0146 EA 10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,249.21	496.19
<i>For Class 52 Rating, Deduct</i>	-384.71	
<i>For Class 54 Rating, Add</i>	533.63	
<i>For Class 55 Rating, Add</i>	797.96	
<i>For Class 56 Rating, Add</i>	1,058.80	
40 05 19 00-0147 EA 10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,363.87	499.90
<i>For Class 52 Rating, Deduct</i>	-396.71	
<i>For Class 54 Rating, Add</i>	550.06	
<i>For Class 55 Rating, Add</i>	822.42	
<i>For Class 56 Rating, Add</i>	1,091.17	
40 05 19 00-0148 EA 10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,478.54	503.60
<i>For Class 52 Rating, Deduct</i>	-408.71	
<i>For Class 54 Rating, Add</i>	566.48	
<i>For Class 55 Rating, Add</i>	846.87	
<i>For Class 56 Rating, Add</i>	1,123.54	
40 05 19 00-0149 EA 10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,593.21	507.30
<i>For Class 52 Rating, Deduct</i>	-420.70	
<i>For Class 54 Rating, Add</i>	582.91	
<i>For Class 55 Rating, Add</i>	871.33	
<i>For Class 56 Rating, Add</i>	1,155.92	
40 05 19 00-0150 EA 10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,707.88	511.01
<i>For Class 52 Rating, Deduct</i>	-432.70	
<i>For Class 54 Rating, Add</i>	599.34	
<i>For Class 55 Rating, Add</i>	895.78	
<i>For Class 56 Rating, Add</i>	1,188.29	
40 05 19 00-0151 EA 10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,822.55	514.71
<i>For Class 52 Rating, Deduct</i>	-444.70	
<i>For Class 54 Rating, Add</i>	615.76	
<i>For Class 55 Rating, Add</i>	920.24	
<i>For Class 56 Rating, Add</i>	1,220.67	
40 05 19 00-0152 EA 10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,937.23	518.41
<i>For Class 52 Rating, Deduct</i>	-456.69	
<i>For Class 54 Rating, Add</i>	632.19	
<i>For Class 55 Rating, Add</i>	944.69	
<i>For Class 56 Rating, Add</i>	1,253.04	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0153	EA		10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,051.89	522.11
			<i>For Class 52 Rating, Deduct</i>	-468.69	
			<i>For Class 54 Rating, Add</i>	648.61	
			<i>For Class 55 Rating, Add</i>	969.15	
			<i>For Class 56 Rating, Add</i>	1,285.42	
40 05 19 00-0154	EA		10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,166.55	525.82
			<i>For Class 52 Rating, Deduct</i>	-480.68	
			<i>For Class 54 Rating, Add</i>	665.04	
			<i>For Class 55 Rating, Add</i>	993.60	
			<i>For Class 56 Rating, Add</i>	1,317.79	
40 05 19 00-0155	EA		10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,279.35	529.52
			<i>For Class 52 Rating, Deduct</i>	-492.47	
			<i>For Class 54 Rating, Add</i>	681.18	
			<i>For Class 55 Rating, Add</i>	1,017.64	
			<i>For Class 56 Rating, Add</i>	1,349.61	
40 05 19 00-0156	EA		10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,395.90	533.22
			<i>For Class 52 Rating, Deduct</i>	-504.68	
			<i>For Class 54 Rating, Add</i>	697.89	
			<i>For Class 55 Rating, Add</i>	1,042.51	
			<i>For Class 56 Rating, Add</i>	1,382.54	
40 05 19 00-0157	EA		10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,510.56	536.93
			<i>For Class 52 Rating, Deduct</i>	-516.67	
			<i>For Class 54 Rating, Add</i>	714.32	
			<i>For Class 55 Rating, Add</i>	1,066.96	
			<i>For Class 56 Rating, Add</i>	1,414.91	
40 05 19 00-0158	EA		10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,625.23	540.63
			<i>For Class 52 Rating, Deduct</i>	-528.67	
			<i>For Class 54 Rating, Add</i>	730.74	
			<i>For Class 55 Rating, Add</i>	1,091.42	
			<i>For Class 56 Rating, Add</i>	1,447.29	
40 05 19 00-0159	EA		10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,739.91	544.34
			<i>For Class 52 Rating, Deduct</i>	-540.67	
			<i>For Class 54 Rating, Add</i>	747.17	
			<i>For Class 55 Rating, Add</i>	1,115.87	
			<i>For Class 56 Rating, Add</i>	1,479.66	
40 05 19 00-0160	EA		10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,854.58	548.03
			<i>For Class 52 Rating, Deduct</i>	-552.66	
			<i>For Class 54 Rating, Add</i>	763.60	
			<i>For Class 55 Rating, Add</i>	1,140.33	
			<i>For Class 56 Rating, Add</i>	1,512.04	
40 05 19 00-0161	EA		10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,969.23	551.74
			<i>For Class 52 Rating, Deduct</i>	-564.66	
			<i>For Class 54 Rating, Add</i>	780.02	
			<i>For Class 55 Rating, Add</i>	1,164.78	
			<i>For Class 56 Rating, Add</i>	1,544.41	
40 05 19 00-0162	EA		10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,083.91	555.44
			<i>For Class 52 Rating, Deduct</i>	-576.66	
			<i>For Class 54 Rating, Add</i>	796.45	
			<i>For Class 55 Rating, Add</i>	1,189.24	
			<i>For Class 56 Rating, Add</i>	1,576.78	
40 05 19 00-0163			<b>12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0164	EA		12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,255.89	518.41
			<i>For Class 52 Rating, Deduct</i>	-161.75	
			<i>For Class 54 Rating, Add</i>	229.99	
			<i>For Class 55 Rating, Add</i>	346.75	
			<i>For Class 56 Rating, Add</i>	462.05	
40 05 19 00-0165	EA		12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,398.75	522.11
			<i>For Class 52 Rating, Deduct</i>	-176.84	
			<i>For Class 54 Rating, Add</i>	250.64	
			<i>For Class 55 Rating, Add</i>	377.50	
			<i>For Class 56 Rating, Add</i>	502.74	
40 05 19 00-0166	EA		12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,541.63	525.82
			<i>For Class 52 Rating, Deduct</i>	-191.94	
			<i>For Class 54 Rating, Add</i>	271.30	
			<i>For Class 55 Rating, Add</i>	408.24	
			<i>For Class 56 Rating, Add</i>	543.44	
40 05 19 00-0167	EA		12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,684.51	529.52
			<i>For Class 52 Rating, Deduct</i>	-207.04	
			<i>For Class 54 Rating, Add</i>	291.96	
			<i>For Class 55 Rating, Add</i>	438.99	
			<i>For Class 56 Rating, Add</i>	584.13	
40 05 19 00-0168	EA		12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,827.38	533.22
			<i>For Class 52 Rating, Deduct</i>	-222.14	
			<i>For Class 54 Rating, Add</i>	312.61	
			<i>For Class 55 Rating, Add</i>	469.73	
			<i>For Class 56 Rating, Add</i>	624.83	
40 05 19 00-0169	EA		12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,970.25	536.93
			<i>For Class 52 Rating, Deduct</i>	-237.24	
			<i>For Class 54 Rating, Add</i>	333.27	
			<i>For Class 55 Rating, Add</i>	500.48	
			<i>For Class 56 Rating, Add</i>	665.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0170 EA 12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,113.12	540.63
<i>For Class 52 Rating, Deduct</i>	-252.34	
<i>For Class 54 Rating, Add</i>	353.93	
<i>For Class 55 Rating, Add</i>	531.22	
<i>For Class 56 Rating, Add</i>	706.22	
40 05 19 00-0171 EA 12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,256.00	544.34
<i>For Class 52 Rating, Deduct</i>	-267.44	
<i>For Class 54 Rating, Add</i>	374.58	
<i>For Class 55 Rating, Add</i>	561.96	
<i>For Class 56 Rating, Add</i>	746.91	
40 05 19 00-0172 EA 12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,398.88	548.03
<i>For Class 52 Rating, Deduct</i>	-282.54	
<i>For Class 54 Rating, Add</i>	395.24	
<i>For Class 55 Rating, Add</i>	592.71	
<i>For Class 56 Rating, Add</i>	787.61	
40 05 19 00-0173 EA 12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,541.74	551.74
<i>For Class 52 Rating, Deduct</i>	-297.64	
<i>For Class 54 Rating, Add</i>	415.90	
<i>For Class 55 Rating, Add</i>	623.45	
<i>For Class 56 Rating, Add</i>	828.30	
40 05 19 00-0174 EA 12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,684.62	555.44
<i>For Class 52 Rating, Deduct</i>	-312.73	
<i>For Class 54 Rating, Add</i>	436.55	
<i>For Class 55 Rating, Add</i>	654.20	
<i>For Class 56 Rating, Add</i>	868.99	
40 05 19 00-0175 EA 12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,827.50	559.15
<i>For Class 52 Rating, Deduct</i>	-327.83	
<i>For Class 54 Rating, Add</i>	457.21	
<i>For Class 55 Rating, Add</i>	684.94	
<i>For Class 56 Rating, Add</i>	909.69	
40 05 19 00-0176 EA 12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,970.37	562.84
<i>For Class 52 Rating, Deduct</i>	-342.93	
<i>For Class 54 Rating, Add</i>	477.87	
<i>For Class 55 Rating, Add</i>	715.69	
<i>For Class 56 Rating, Add</i>	950.38	
40 05 19 00-0177 EA 12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,113.24	566.55
<i>For Class 52 Rating, Deduct</i>	-358.03	
<i>For Class 54 Rating, Add</i>	498.53	
<i>For Class 55 Rating, Add</i>	746.43	
<i>For Class 56 Rating, Add</i>	991.08	
40 05 19 00-0178 EA 12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,256.12	570.26
<i>For Class 52 Rating, Deduct</i>	-373.13	
<i>For Class 54 Rating, Add</i>	519.18	
<i>For Class 55 Rating, Add</i>	777.17	
<i>For Class 56 Rating, Add</i>	1,031.77	
40 05 19 00-0179 EA 12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,398.99	573.95
<i>For Class 52 Rating, Deduct</i>	-388.23	
<i>For Class 54 Rating, Add</i>	539.84	
<i>For Class 55 Rating, Add</i>	807.92	
<i>For Class 56 Rating, Add</i>	1,072.47	
40 05 19 00-0180 EA 12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,541.86	577.66
<i>For Class 52 Rating, Deduct</i>	-403.33	
<i>For Class 54 Rating, Add</i>	560.50	
<i>For Class 55 Rating, Add</i>	838.66	
<i>For Class 56 Rating, Add</i>	1,113.16	
40 05 19 00-0181 EA 12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,684.74	581.36
<i>For Class 52 Rating, Deduct</i>	-418.43	
<i>For Class 54 Rating, Add</i>	581.15	
<i>For Class 55 Rating, Add</i>	869.41	
<i>For Class 56 Rating, Add</i>	1,153.86	
40 05 19 00-0182 EA 12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,827.61	585.07
<i>For Class 52 Rating, Deduct</i>	-433.53	
<i>For Class 54 Rating, Add</i>	601.81	
<i>For Class 55 Rating, Add</i>	900.15	
<i>For Class 56 Rating, Add</i>	1,194.55	
40 05 19 00-0183 EA 12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,970.48	588.76
<i>For Class 52 Rating, Deduct</i>	-448.63	
<i>For Class 54 Rating, Add</i>	622.47	
<i>For Class 55 Rating, Add</i>	930.90	
<i>For Class 56 Rating, Add</i>	1,235.25	
40 05 19 00-0184 EA 12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,113.37	592.47
<i>For Class 52 Rating, Deduct</i>	-463.72	
<i>For Class 54 Rating, Add</i>	643.12	
<i>For Class 55 Rating, Add</i>	961.64	
<i>For Class 56 Rating, Add</i>	1,275.94	
40 05 19 00-0185 EA 12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,256.23	596.17
<i>For Class 52 Rating, Deduct</i>	-478.82	
<i>For Class 54 Rating, Add</i>	663.78	
<i>For Class 55 Rating, Add</i>	992.38	
<i>For Class 56 Rating, Add</i>	1,316.64	
40 05 19 00-0186 EA 12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,399.10	599.88
<i>For Class 52 Rating, Deduct</i>	-493.92	
<i>For Class 54 Rating, Add</i>	684.44	
<i>For Class 55 Rating, Add</i>	1,023.13	
<i>For Class 56 Rating, Add</i>	1,357.33	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0187	EA		12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,541.98	603.58
			<i>For Class 52 Rating, Deduct</i>	-509.02	
			<i>For Class 54 Rating, Add</i>	705.09	
			<i>For Class 55 Rating, Add</i>	1,053.87	
			<i>For Class 56 Rating, Add</i>	1,398.03	
40 05 19 00-0188	EA		12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,684.86	607.28
			<i>For Class 52 Rating, Deduct</i>	-524.12	
			<i>For Class 54 Rating, Add</i>	725.75	
			<i>For Class 55 Rating, Add</i>	1,084.62	
			<i>For Class 56 Rating, Add</i>	1,438.72	
40 05 19 00-0189	EA		12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,827.73	610.99
			<i>For Class 52 Rating, Deduct</i>	-539.22	
			<i>For Class 54 Rating, Add</i>	746.41	
			<i>For Class 55 Rating, Add</i>	1,115.36	
			<i>For Class 56 Rating, Add</i>	1,479.41	
40 05 19 00-0190	EA		12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,970.60	614.69
			<i>For Class 52 Rating, Deduct</i>	-554.32	
			<i>For Class 54 Rating, Add</i>	767.07	
			<i>For Class 55 Rating, Add</i>	1,146.11	
			<i>For Class 56 Rating, Add</i>	1,520.11	
40 05 19 00-0191	EA		12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,113.48	618.39
			<i>For Class 52 Rating, Deduct</i>	-569.42	
			<i>For Class 54 Rating, Add</i>	787.72	
			<i>For Class 55 Rating, Add</i>	1,176.85	
			<i>For Class 56 Rating, Add</i>	1,560.80	
40 05 19 00-0192	EA		12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,256.35	622.09
			<i>For Class 52 Rating, Deduct</i>	-584.52	
			<i>For Class 54 Rating, Add</i>	808.38	
			<i>For Class 55 Rating, Add</i>	1,207.59	
			<i>For Class 56 Rating, Add</i>	1,601.50	
40 05 19 00-0193	EA		12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,399.23	625.80
			<i>For Class 52 Rating, Deduct</i>	-599.62	
			<i>For Class 54 Rating, Add</i>	829.04	
			<i>For Class 55 Rating, Add</i>	1,238.34	
			<i>For Class 56 Rating, Add</i>	1,642.19	
40 05 19 00-0194	EA		12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,542.09	629.50
			<i>For Class 52 Rating, Deduct</i>	-614.71	
			<i>For Class 54 Rating, Add</i>	849.69	
			<i>For Class 55 Rating, Add</i>	1,269.08	
			<i>For Class 56 Rating, Add</i>	1,682.89	
40 05 19 00-0195	EA		12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,684.97	633.20
			<i>For Class 52 Rating, Deduct</i>	-629.81	
			<i>For Class 54 Rating, Add</i>	870.35	
			<i>For Class 55 Rating, Add</i>	1,299.83	
			<i>For Class 56 Rating, Add</i>	1,723.58	
40 05 19 00-0196	EA		12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,827.85	636.91
			<i>For Class 52 Rating, Deduct</i>	-644.91	
			<i>For Class 54 Rating, Add</i>	891.01	
			<i>For Class 55 Rating, Add</i>	1,330.57	
			<i>For Class 56 Rating, Add</i>	1,764.28	
40 05 19 00-0197	EA		12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,970.72	640.61
			<i>For Class 52 Rating, Deduct</i>	-660.01	
			<i>For Class 54 Rating, Add</i>	911.66	
			<i>For Class 55 Rating, Add</i>	1,361.32	
			<i>For Class 56 Rating, Add</i>	1,804.97	
40 05 19 00-0198	EA		12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,113.59	644.31
			<i>For Class 52 Rating, Deduct</i>	-675.11	
			<i>For Class 54 Rating, Add</i>	932.32	
			<i>For Class 55 Rating, Add</i>	1,392.06	
			<i>For Class 56 Rating, Add</i>	1,845.67	
40 05 19 00-0199	EA		12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,256.47	648.01
			<i>For Class 52 Rating, Deduct</i>	-690.21	
			<i>For Class 54 Rating, Add</i>	952.98	
			<i>For Class 55 Rating, Add</i>	1,422.81	
			<i>For Class 56 Rating, Add</i>	1,886.36	
40 05 19 00-0200	EA		12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,399.34	651.72
			<i>For Class 52 Rating, Deduct</i>	-705.31	
			<i>For Class 54 Rating, Add</i>	973.63	
			<i>For Class 55 Rating, Add</i>	1,453.55	
			<i>For Class 56 Rating, Add</i>	1,927.06	
40 05 19 00-0201	EA		12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,542.22	655.43
			<i>For Class 52 Rating, Deduct</i>	-720.41	
			<i>For Class 54 Rating, Add</i>	994.29	
			<i>For Class 55 Rating, Add</i>	1,484.29	
			<i>For Class 56 Rating, Add</i>	1,967.75	
40 05 19 00-0202	EA		12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,685.09	659.12
			<i>For Class 52 Rating, Deduct</i>	-735.51	
			<i>For Class 54 Rating, Add</i>	1,014.95	
			<i>For Class 55 Rating, Add</i>	1,515.04	
			<i>For Class 56 Rating, Add</i>	2,008.45	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,  
Ductile Iron Pipe (40 05 19 00-0002)





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0204 EA 14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,001.52	622.09
<i>For Class 52 Rating, Deduct</i>	-226.48	
<i>For Class 54 Rating, Add</i>	320.15	
<i>For Class 55 Rating, Add</i>	481.77	
<i>For Class 56 Rating, Add</i>	641.32	
40 05 19 00-0205 EA 14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,174.48	625.80
<i>For Class 52 Rating, Deduct</i>	-244.89	
<i>For Class 54 Rating, Add</i>	345.32	
<i>For Class 55 Rating, Add</i>	519.22	
<i>For Class 56 Rating, Add</i>	690.89	
40 05 19 00-0206 EA 14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,347.43	629.50
<i>For Class 52 Rating, Deduct</i>	-263.30	
<i>For Class 54 Rating, Add</i>	370.49	
<i>For Class 55 Rating, Add</i>	556.67	
<i>For Class 56 Rating, Add</i>	740.46	
40 05 19 00-0207 EA 14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,520.40	633.20
<i>For Class 52 Rating, Deduct</i>	-281.71	
<i>For Class 54 Rating, Add</i>	395.66	
<i>For Class 55 Rating, Add</i>	594.13	
<i>For Class 56 Rating, Add</i>	790.03	
40 05 19 00-0208 EA 14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,693.35	636.91
<i>For Class 52 Rating, Deduct</i>	-300.12	
<i>For Class 54 Rating, Add</i>	420.83	
<i>For Class 55 Rating, Add</i>	631.58	
<i>For Class 56 Rating, Add</i>	839.60	
40 05 19 00-0209 EA 14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,866.31	640.61
<i>For Class 52 Rating, Deduct</i>	-318.53	
<i>For Class 54 Rating, Add</i>	446.00	
<i>For Class 55 Rating, Add</i>	669.03	
<i>For Class 56 Rating, Add</i>	889.17	
40 05 19 00-0210 EA 14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,039.27	644.31
<i>For Class 52 Rating, Deduct</i>	-336.93	
<i>For Class 54 Rating, Add</i>	471.17	
<i>For Class 55 Rating, Add</i>	706.49	
<i>For Class 56 Rating, Add</i>	938.74	
40 05 19 00-0211 EA 14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,212.23	648.01
<i>For Class 52 Rating, Deduct</i>	-355.34	
<i>For Class 54 Rating, Add</i>	496.34	
<i>For Class 55 Rating, Add</i>	743.94	
<i>For Class 56 Rating, Add</i>	988.31	
40 05 19 00-0212 EA 14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,385.19	651.72
<i>For Class 52 Rating, Deduct</i>	-373.75	
<i>For Class 54 Rating, Add</i>	521.51	
<i>For Class 55 Rating, Add</i>	781.39	
<i>For Class 56 Rating, Add</i>	1,037.88	
40 05 19 00-0213 EA 14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,558.16	655.43
<i>For Class 52 Rating, Deduct</i>	-392.16	
<i>For Class 54 Rating, Add</i>	546.68	
<i>For Class 55 Rating, Add</i>	818.85	
<i>For Class 56 Rating, Add</i>	1,087.45	
40 05 19 00-0214 EA 14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,731.11	659.12
<i>For Class 52 Rating, Deduct</i>	-410.57	
<i>For Class 54 Rating, Add</i>	571.85	
<i>For Class 55 Rating, Add</i>	856.30	
<i>For Class 56 Rating, Add</i>	1,137.02	
40 05 19 00-0215 EA 14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,904.06	662.83
<i>For Class 52 Rating, Deduct</i>	-428.98	
<i>For Class 54 Rating, Add</i>	597.02	
<i>For Class 55 Rating, Add</i>	893.75	
<i>For Class 56 Rating, Add</i>	1,186.59	
40 05 19 00-0216 EA 14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,077.02	666.53
<i>For Class 52 Rating, Deduct</i>	-447.38	
<i>For Class 54 Rating, Add</i>	622.19	
<i>For Class 55 Rating, Add</i>	931.21	
<i>For Class 56 Rating, Add</i>	1,236.16	
40 05 19 00-0217 EA 14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,249.99	670.24
<i>For Class 52 Rating, Deduct</i>	-465.79	
<i>For Class 54 Rating, Add</i>	647.36	
<i>For Class 55 Rating, Add</i>	968.66	
<i>For Class 56 Rating, Add</i>	1,285.73	
40 05 19 00-0218 EA 14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,422.94	673.93
<i>For Class 52 Rating, Deduct</i>	-484.20	
<i>For Class 54 Rating, Add</i>	672.53	
<i>For Class 55 Rating, Add</i>	1,006.11	
<i>For Class 56 Rating, Add</i>	1,335.30	
40 05 19 00-0219 EA 14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,595.90	677.64
<i>For Class 52 Rating, Deduct</i>	-502.61	
<i>For Class 54 Rating, Add</i>	697.70	
<i>For Class 55 Rating, Add</i>	1,043.57	
<i>For Class 56 Rating, Add</i>	1,384.87	
40 05 19 00-0220 EA 14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,768.87	681.34
<i>For Class 52 Rating, Deduct</i>	-521.02	
<i>For Class 54 Rating, Add</i>	722.87	
<i>For Class 55 Rating, Add</i>	1,081.02	
<i>For Class 56 Rating, Add</i>	1,434.44	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0221 EA 14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,941.82	685.04
For Class 52 Rating, Deduct	-539.43	
For Class 54 Rating, Add	748.04	
For Class 55 Rating, Add	1,118.47	
For Class 56 Rating, Add	1,484.01	
40 05 19 00-0222 EA 14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,114.78	688.75
For Class 52 Rating, Deduct	-557.83	
For Class 54 Rating, Add	773.21	
For Class 55 Rating, Add	1,155.93	
For Class 56 Rating, Add	1,533.58	
40 05 19 00-0223 EA 14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,287.73	692.45
For Class 52 Rating, Deduct	-576.24	
For Class 54 Rating, Add	798.38	
For Class 55 Rating, Add	1,193.38	
For Class 56 Rating, Add	1,583.15	
40 05 19 00-0224 EA 14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,460.70	696.16
For Class 52 Rating, Deduct	-594.65	
For Class 54 Rating, Add	823.55	
For Class 55 Rating, Add	1,230.83	
For Class 56 Rating, Add	1,632.72	
40 05 19 00-0225 EA 14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,633.66	699.85
For Class 52 Rating, Deduct	-613.06	
For Class 54 Rating, Add	848.72	
For Class 55 Rating, Add	1,268.29	
For Class 56 Rating, Add	1,682.29	
40 05 19 00-0226 EA 14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,806.62	703.56
For Class 52 Rating, Deduct	-631.47	
For Class 54 Rating, Add	873.89	
For Class 55 Rating, Add	1,305.74	
For Class 56 Rating, Add	1,731.86	
40 05 19 00-0227 EA 14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,979.58	707.26
For Class 52 Rating, Deduct	-649.88	
For Class 54 Rating, Add	899.05	
For Class 55 Rating, Add	1,343.20	
For Class 56 Rating, Add	1,781.43	
40 05 19 00-0228 EA 14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,152.53	710.97
For Class 52 Rating, Deduct	-668.28	
For Class 54 Rating, Add	924.22	
For Class 55 Rating, Add	1,380.65	
For Class 56 Rating, Add	1,831.00	
40 05 19 00-0229 EA 14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,325.49	714.66
For Class 52 Rating, Deduct	-686.69	
For Class 54 Rating, Add	949.39	
For Class 55 Rating, Add	1,418.10	
For Class 56 Rating, Add	1,880.57	
40 05 19 00-0230 EA 14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,498.45	718.37
For Class 52 Rating, Deduct	-705.10	
For Class 54 Rating, Add	974.56	
For Class 55 Rating, Add	1,455.55	
For Class 56 Rating, Add	1,930.14	
40 05 19 00-0231 EA 14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,671.41	722.08
For Class 52 Rating, Deduct	-723.51	
For Class 54 Rating, Add	999.73	
For Class 55 Rating, Add	1,493.01	
For Class 56 Rating, Add	1,979.71	
40 05 19 00-0232 EA 14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,844.37	725.77
For Class 52 Rating, Deduct	-741.92	
For Class 54 Rating, Add	1,024.90	
For Class 55 Rating, Add	1,530.46	
For Class 56 Rating, Add	2,029.28	
40 05 19 00-0233 EA 14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,017.33	729.48
For Class 52 Rating, Deduct	-760.33	
For Class 54 Rating, Add	1,050.07	
For Class 55 Rating, Add	1,567.92	
For Class 56 Rating, Add	2,078.85	
40 05 19 00-0234 EA 14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,190.29	733.18
For Class 52 Rating, Deduct	-778.73	
For Class 54 Rating, Add	1,075.24	
For Class 55 Rating, Add	1,605.37	
For Class 56 Rating, Add	2,128.42	
40 05 19 00-0235 EA 14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,363.24	736.89
For Class 52 Rating, Deduct	-797.14	
For Class 54 Rating, Add	1,100.41	
For Class 55 Rating, Add	1,642.82	
For Class 56 Rating, Add	2,177.98	
40 05 19 00-0236 EA 14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,536.20	740.58
For Class 52 Rating, Deduct	-815.55	
For Class 54 Rating, Add	1,125.58	
For Class 55 Rating, Add	1,680.27	
For Class 56 Rating, Add	2,227.56	
40 05 19 00-0237 EA 14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,709.17	744.29
For Class 52 Rating, Deduct	-833.96	
For Class 54 Rating, Add	1,150.75	
For Class 55 Rating, Add	1,717.73	
For Class 56 Rating, Add	2,277.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0238 EA 14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,882.13	748.00
<i>For Class 52 Rating, Deduct</i>	-852.37	
<i>For Class 54 Rating, Add</i>	1,175.92	
<i>For Class 55 Rating, Add</i>	1,755.18	
<i>For Class 56 Rating, Add</i>	2,326.70	
40 05 19 00-0239 EA 14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,055.08	751.70
<i>For Class 52 Rating, Deduct</i>	-870.78	
<i>For Class 54 Rating, Add</i>	1,201.09	
<i>For Class 55 Rating, Add</i>	1,792.64	
<i>For Class 56 Rating, Add</i>	2,376.27	
40 05 19 00-0240 EA 14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,228.04	755.40
<i>For Class 52 Rating, Deduct</i>	-889.19	
<i>For Class 54 Rating, Add</i>	1,226.26	
<i>For Class 55 Rating, Add</i>	1,830.09	
<i>For Class 56 Rating, Add</i>	2,425.84	
40 05 19 00-0241 EA 14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,401.00	759.10
<i>For Class 52 Rating, Deduct</i>	-907.59	
<i>For Class 54 Rating, Add</i>	1,251.43	
<i>For Class 55 Rating, Add</i>	1,867.54	
<i>For Class 56 Rating, Add</i>	2,475.40	
<b>40 05 19 00-0242 16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0243 EA 16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,517.88	710.97
<i>For Class 52 Rating, Deduct</i>	-268.47	
<i>For Class 54 Rating, Add</i>	379.03	
<i>For Class 55 Rating, Add</i>	570.12	
<i>For Class 56 Rating, Add</i>	758.77	
40 05 19 00-0244 EA 16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,719.04	714.66
<i>For Class 52 Rating, Deduct</i>	-289.98	
<i>For Class 54 Rating, Add</i>	408.43	
<i>For Class 55 Rating, Add</i>	613.86	
<i>For Class 56 Rating, Add</i>	816.66	
40 05 19 00-0245 EA 16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,920.20	718.37
<i>For Class 52 Rating, Deduct</i>	-311.49	
<i>For Class 54 Rating, Add</i>	437.83	
<i>For Class 55 Rating, Add</i>	657.61	
<i>For Class 56 Rating, Add</i>	874.55	
40 05 19 00-0246 EA 16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,121.37	722.08
<i>For Class 52 Rating, Deduct</i>	-333.01	
<i>For Class 54 Rating, Add</i>	467.23	
<i>For Class 55 Rating, Add</i>	701.35	
<i>For Class 56 Rating, Add</i>	932.45	
40 05 19 00-0247 EA 16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,322.53	725.77
<i>For Class 52 Rating, Deduct</i>	-354.52	
<i>For Class 54 Rating, Add</i>	496.63	
<i>For Class 55 Rating, Add</i>	745.09	
<i>For Class 56 Rating, Add</i>	990.33	
40 05 19 00-0248 EA 16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,523.69	729.48
<i>For Class 52 Rating, Deduct</i>	-376.03	
<i>For Class 54 Rating, Add</i>	526.03	
<i>For Class 55 Rating, Add</i>	788.83	
<i>For Class 56 Rating, Add</i>	1,048.22	
40 05 19 00-0249 EA 16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,724.87	733.18
<i>For Class 52 Rating, Deduct</i>	-397.54	
<i>For Class 54 Rating, Add</i>	555.43	
<i>For Class 55 Rating, Add</i>	832.58	
<i>For Class 56 Rating, Add</i>	1,106.12	
40 05 19 00-0250 EA 16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,926.02	736.89
<i>For Class 52 Rating, Deduct</i>	-419.05	
<i>For Class 54 Rating, Add</i>	584.83	
<i>For Class 55 Rating, Add</i>	876.32	
<i>For Class 56 Rating, Add</i>	1,164.00	
40 05 19 00-0251 EA 16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,127.18	740.58
<i>For Class 52 Rating, Deduct</i>	-440.56	
<i>For Class 54 Rating, Add</i>	614.23	
<i>For Class 55 Rating, Add</i>	920.06	
<i>For Class 56 Rating, Add</i>	1,221.89	
40 05 19 00-0252 EA 16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,328.35	744.29
<i>For Class 52 Rating, Deduct</i>	-462.07	
<i>For Class 54 Rating, Add</i>	643.63	
<i>For Class 55 Rating, Add</i>	963.81	
<i>For Class 56 Rating, Add</i>	1,279.78	
40 05 19 00-0253 EA 16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,529.52	748.00
<i>For Class 52 Rating, Deduct</i>	-483.58	
<i>For Class 54 Rating, Add</i>	673.03	
<i>For Class 55 Rating, Add</i>	1,007.55	
<i>For Class 56 Rating, Add</i>	1,337.68	
40 05 19 00-0254 EA 16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,730.67	751.70
<i>For Class 52 Rating, Deduct</i>	-505.09	
<i>For Class 54 Rating, Add</i>	702.43	
<i>For Class 55 Rating, Add</i>	1,051.29	
<i>For Class 56 Rating, Add</i>	1,395.56	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0255 EA 16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,931.83	755.40
For Class 52 Rating, Deduct	-526.60	
For Class 54 Rating, Add	731.83	
For Class 55 Rating, Add	1,095.03	
For Class 56 Rating, Add	1,453.45	
40 05 19 00-0256 EA 16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,133.01	759.10
For Class 52 Rating, Deduct	-548.11	
For Class 54 Rating, Add	761.23	
For Class 55 Rating, Add	1,138.78	
For Class 56 Rating, Add	1,511.35	
40 05 19 00-0257 EA 16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,334.17	762.81
For Class 52 Rating, Deduct	-569.62	
For Class 54 Rating, Add	790.63	
For Class 55 Rating, Add	1,182.52	
For Class 56 Rating, Add	1,569.24	
40 05 19 00-0258 EA 16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,535.32	766.51
For Class 52 Rating, Deduct	-591.13	
For Class 54 Rating, Add	820.03	
For Class 55 Rating, Add	1,226.26	
For Class 56 Rating, Add	1,627.12	
40 05 19 00-0259 EA 16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,736.50	770.21
For Class 52 Rating, Deduct	-612.65	
For Class 54 Rating, Add	849.43	
For Class 55 Rating, Add	1,270.01	
For Class 56 Rating, Add	1,685.02	
40 05 19 00-0260 EA 16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,937.66	773.91
For Class 52 Rating, Deduct	-634.16	
For Class 54 Rating, Add	878.83	
For Class 55 Rating, Add	1,313.75	
For Class 56 Rating, Add	1,742.91	
40 05 19 00-0261 EA 16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,138.82	777.62
For Class 52 Rating, Deduct	-655.67	
For Class 54 Rating, Add	908.23	
For Class 55 Rating, Add	1,357.49	
For Class 56 Rating, Add	1,800.80	
40 05 19 00-0262 EA 16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,339.99	781.32
For Class 52 Rating, Deduct	-677.18	
For Class 54 Rating, Add	937.63	
For Class 55 Rating, Add	1,401.24	
For Class 56 Rating, Add	1,858.69	
40 05 19 00-0263 EA 16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,541.15	785.02
For Class 52 Rating, Deduct	-698.69	
For Class 54 Rating, Add	967.03	
For Class 55 Rating, Add	1,444.98	
For Class 56 Rating, Add	1,916.58	
40 05 19 00-0264 EA 16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,742.31	788.73
For Class 52 Rating, Deduct	-720.20	
For Class 54 Rating, Add	996.43	
For Class 55 Rating, Add	1,488.72	
For Class 56 Rating, Add	1,974.47	
40 05 19 00-0265 EA 16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,943.48	792.43
For Class 52 Rating, Deduct	-741.71	
For Class 54 Rating, Add	1,025.83	
For Class 55 Rating, Add	1,532.47	
For Class 56 Rating, Add	2,032.36	
40 05 19 00-0266 EA 16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,144.65	796.13
For Class 52 Rating, Deduct	-763.22	
For Class 54 Rating, Add	1,055.23	
For Class 55 Rating, Add	1,576.21	
For Class 56 Rating, Add	2,090.25	
40 05 19 00-0267 EA 16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,345.80	799.83
For Class 52 Rating, Deduct	-784.73	
For Class 54 Rating, Add	1,084.63	
For Class 55 Rating, Add	1,619.95	
For Class 56 Rating, Add	2,148.14	
40 05 19 00-0268 EA 16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,546.97	803.54
For Class 52 Rating, Deduct	-806.24	
For Class 54 Rating, Add	1,114.03	
For Class 55 Rating, Add	1,663.70	
For Class 56 Rating, Add	2,206.03	
40 05 19 00-0269 EA 16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,748.13	807.25
For Class 52 Rating, Deduct	-827.75	
For Class 54 Rating, Add	1,143.43	
For Class 55 Rating, Add	1,707.44	
For Class 56 Rating, Add	2,263.92	
40 05 19 00-0270 EA 16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,949.30	810.94
For Class 52 Rating, Deduct	-849.26	
For Class 54 Rating, Add	1,172.83	
For Class 55 Rating, Add	1,751.18	
For Class 56 Rating, Add	2,321.81	
40 05 19 00-0271 EA 16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,150.46	814.65
For Class 52 Rating, Deduct	-870.78	
For Class 54 Rating, Add	1,202.23	
For Class 55 Rating, Add	1,794.92	
For Class 56 Rating, Add	2,379.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0272 EA 16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,351.62	818.35
<i>For Class 52 Rating, Deduct</i>	-892.29	
<i>For Class 54 Rating, Add</i>	1,231.63	
<i>For Class 55 Rating, Add</i>	1,838.67	
<i>For Class 56 Rating, Add</i>	2,437.59	
40 05 19 00-0273 EA 16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,552.79	822.06
<i>For Class 52 Rating, Deduct</i>	-913.80	
<i>For Class 54 Rating, Add</i>	1,261.03	
<i>For Class 55 Rating, Add</i>	1,882.41	
<i>For Class 56 Rating, Add</i>	2,495.48	
40 05 19 00-0274 EA 16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,753.96	825.75
<i>For Class 52 Rating, Deduct</i>	-935.31	
<i>For Class 54 Rating, Add</i>	1,290.44	
<i>For Class 55 Rating, Add</i>	1,926.15	
<i>For Class 56 Rating, Add</i>	2,553.37	
40 05 19 00-0275 EA 16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,955.11	829.46
<i>For Class 52 Rating, Deduct</i>	-956.82	
<i>For Class 54 Rating, Add</i>	1,319.84	
<i>For Class 55 Rating, Add</i>	1,969.90	
<i>For Class 56 Rating, Add</i>	2,611.26	
40 05 19 00-0276 EA 16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,156.27	833.16
<i>For Class 52 Rating, Deduct</i>	-978.33	
<i>For Class 54 Rating, Add</i>	1,349.23	
<i>For Class 55 Rating, Add</i>	2,013.64	
<i>For Class 56 Rating, Add</i>	2,669.15	
40 05 19 00-0277 EA 16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,357.45	836.86
<i>For Class 52 Rating, Deduct</i>	-999.84	
<i>For Class 54 Rating, Add</i>	1,378.64	
<i>For Class 55 Rating, Add</i>	2,057.38	
<i>For Class 56 Rating, Add</i>	2,727.04	
40 05 19 00-0278 EA 16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,558.61	840.57
<i>For Class 52 Rating, Deduct</i>	-1,021.35	
<i>For Class 54 Rating, Add</i>	1,408.04	
<i>For Class 55 Rating, Add</i>	2,101.13	
<i>For Class 56 Rating, Add</i>	2,784.93	
40 05 19 00-0279 EA 16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,759.76	844.27
<i>For Class 52 Rating, Deduct</i>	-1,042.86	
<i>For Class 54 Rating, Add</i>	1,437.44	
<i>For Class 55 Rating, Add</i>	2,144.87	
<i>For Class 56 Rating, Add</i>	2,842.82	
40 05 19 00-0280 EA 16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,960.94	847.98
<i>For Class 52 Rating, Deduct</i>	-1,064.37	
<i>For Class 54 Rating, Add</i>	1,466.84	
<i>For Class 55 Rating, Add</i>	2,188.61	
<i>For Class 56 Rating, Add</i>	2,900.71	
<b>40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0282 EA 18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,091.01	801.31
<i>For Class 52 Rating, Deduct</i>	-316.46	
<i>For Class 54 Rating, Add</i>	446.10	
<i>For Class 55 Rating, Add</i>	670.69	
<i>For Class 56 Rating, Add</i>	892.39	
40 05 19 00-0283 EA 18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,322.26	805.02
<i>For Class 52 Rating, Deduct</i>	-341.28	
<i>For Class 54 Rating, Add</i>	480.02	
<i>For Class 55 Rating, Add</i>	721.14	
<i>For Class 56 Rating, Add</i>	959.16	
40 05 19 00-0284 EA 18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,553.51	808.72
<i>For Class 52 Rating, Deduct</i>	-366.10	
<i>For Class 54 Rating, Add</i>	513.93	
<i>For Class 55 Rating, Add</i>	771.59	
<i>For Class 56 Rating, Add</i>	1,025.92	
40 05 19 00-0285 EA 18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,784.74	812.43
<i>For Class 52 Rating, Deduct</i>	-390.92	
<i>For Class 54 Rating, Add</i>	547.84	
<i>For Class 55 Rating, Add</i>	822.04	
<i>For Class 56 Rating, Add</i>	1,092.68	
40 05 19 00-0286 EA 18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,016.00	816.13
<i>For Class 52 Rating, Deduct</i>	-415.74	
<i>For Class 54 Rating, Add</i>	581.75	
<i>For Class 55 Rating, Add</i>	872.49	
<i>For Class 56 Rating, Add</i>	1,159.45	
40 05 19 00-0287 EA 18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,247.25	819.83
<i>For Class 52 Rating, Deduct</i>	-440.56	
<i>For Class 54 Rating, Add</i>	615.67	
<i>For Class 55 Rating, Add</i>	922.94	
<i>For Class 56 Rating, Add</i>	1,226.22	
40 05 19 00-0288 EA 18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,478.50	823.54
<i>For Class 52 Rating, Deduct</i>	-465.38	
<i>For Class 54 Rating, Add</i>	649.58	
<i>For Class 55 Rating, Add</i>	973.40	
<i>For Class 56 Rating, Add</i>	1,292.98	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0289 EA 18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,709.75	827.24
For Class 52 Rating, Deduct	-490.20	
For Class 54 Rating, Add	683.49	
For Class 55 Rating, Add	1,023.85	
For Class 56 Rating, Add	1,359.75	
40 05 19 00-0290 EA 18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,941.00	830.94
For Class 52 Rating, Deduct	-515.02	
For Class 54 Rating, Add	717.41	
For Class 55 Rating, Add	1,074.30	
For Class 56 Rating, Add	1,426.51	
40 05 19 00-0291 EA 18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,172.25	834.64
For Class 52 Rating, Deduct	-539.84	
For Class 54 Rating, Add	751.32	
For Class 55 Rating, Add	1,124.75	
For Class 56 Rating, Add	1,493.28	
40 05 19 00-0292 EA 18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,403.49	838.35
For Class 52 Rating, Deduct	-564.66	
For Class 54 Rating, Add	785.23	
For Class 55 Rating, Add	1,175.20	
For Class 56 Rating, Add	1,560.04	
40 05 19 00-0293 EA 18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,634.74	842.04
For Class 52 Rating, Deduct	-589.48	
For Class 54 Rating, Add	819.15	
For Class 55 Rating, Add	1,225.66	
For Class 56 Rating, Add	1,626.81	
40 05 19 00-0294 EA 18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,865.99	845.75
For Class 52 Rating, Deduct	-614.30	
For Class 54 Rating, Add	853.06	
For Class 55 Rating, Add	1,276.11	
For Class 56 Rating, Add	1,693.57	
40 05 19 00-0295 EA 18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,097.24	849.46
For Class 52 Rating, Deduct	-639.12	
For Class 54 Rating, Add	886.97	
For Class 55 Rating, Add	1,326.56	
For Class 56 Rating, Add	1,760.34	
40 05 19 00-0296 EA 18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,328.50	853.16
For Class 52 Rating, Deduct	-663.94	
For Class 54 Rating, Add	920.89	
For Class 55 Rating, Add	1,377.01	
For Class 56 Rating, Add	1,827.11	
40 05 19 00-0297 EA 18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,559.74	856.86
For Class 52 Rating, Deduct	-688.76	
For Class 54 Rating, Add	954.80	
For Class 55 Rating, Add	1,427.47	
For Class 56 Rating, Add	1,893.87	
40 05 19 00-0298 EA 18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,790.98	860.56
For Class 52 Rating, Deduct	-713.58	
For Class 54 Rating, Add	988.71	
For Class 55 Rating, Add	1,477.92	
For Class 56 Rating, Add	1,960.63	
40 05 19 00-0299 EA 18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,022.24	864.27
For Class 52 Rating, Deduct	-738.40	
For Class 54 Rating, Add	1,022.63	
For Class 55 Rating, Add	1,528.37	
For Class 56 Rating, Add	2,027.40	
40 05 19 00-0300 EA 18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,253.49	867.97
For Class 52 Rating, Deduct	-763.22	
For Class 54 Rating, Add	1,056.54	
For Class 55 Rating, Add	1,578.82	
For Class 56 Rating, Add	2,094.17	
40 05 19 00-0301 EA 18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,484.73	871.67
For Class 52 Rating, Deduct	-788.04	
For Class 54 Rating, Add	1,090.45	
For Class 55 Rating, Add	1,629.27	
For Class 56 Rating, Add	2,160.93	
40 05 19 00-0302 EA 18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,715.98	875.37
For Class 52 Rating, Deduct	-812.86	
For Class 54 Rating, Add	1,124.36	
For Class 55 Rating, Add	1,679.73	
For Class 56 Rating, Add	2,227.70	
40 05 19 00-0303 EA 18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,947.24	879.08
For Class 52 Rating, Deduct	-837.68	
For Class 54 Rating, Add	1,158.28	
For Class 55 Rating, Add	1,730.18	
For Class 56 Rating, Add	2,294.46	
40 05 19 00-0304 EA 18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,178.48	882.79
For Class 52 Rating, Deduct	-862.50	
For Class 54 Rating, Add	1,192.19	
For Class 55 Rating, Add	1,780.63	
For Class 56 Rating, Add	2,361.23	
40 05 19 00-0305 EA 18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,409.73	886.48
For Class 52 Rating, Deduct	-887.32	
For Class 54 Rating, Add	1,226.10	
For Class 55 Rating, Add	1,831.08	
For Class 56 Rating, Add	2,427.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0306 EA 18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,640.98	890.19
<i>For Class 52 Rating, Deduct</i>	-912.14	
<i>For Class 54 Rating, Add</i>	1,260.02	
<i>For Class 55 Rating, Add</i>	1,881.53	
<i>For Class 56 Rating, Add</i>	2,494.76	
40 05 19 00-0307 EA 18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,872.23	893.89
<i>For Class 52 Rating, Deduct</i>	-936.96	
<i>For Class 54 Rating, Add</i>	1,293.93	
<i>For Class 55 Rating, Add</i>	1,931.99	
<i>For Class 56 Rating, Add</i>	2,561.52	
40 05 19 00-0308 EA 18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,103.48	897.59
<i>For Class 52 Rating, Deduct</i>	-961.78	
<i>For Class 54 Rating, Add</i>	1,327.84	
<i>For Class 55 Rating, Add</i>	1,982.44	
<i>For Class 56 Rating, Add</i>	2,628.29	
40 05 19 00-0309 EA 18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,334.73	901.29
<i>For Class 52 Rating, Deduct</i>	-986.60	
<i>For Class 54 Rating, Add</i>	1,361.76	
<i>For Class 55 Rating, Add</i>	2,032.89	
<i>For Class 56 Rating, Add</i>	2,695.05	
40 05 19 00-0310 EA 18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,565.97	905.00
<i>For Class 52 Rating, Deduct</i>	-1,011.42	
<i>For Class 54 Rating, Add</i>	1,395.67	
<i>For Class 55 Rating, Add</i>	2,083.34	
<i>For Class 56 Rating, Add</i>	2,761.82	
40 05 19 00-0311 EA 18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,797.22	908.71
<i>For Class 52 Rating, Deduct</i>	-1,036.24	
<i>For Class 54 Rating, Add</i>	1,429.58	
<i>For Class 55 Rating, Add</i>	2,133.79	
<i>For Class 56 Rating, Add</i>	2,828.58	
40 05 19 00-0312 EA 18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,028.47	912.40
<i>For Class 52 Rating, Deduct</i>	-1,061.06	
<i>For Class 54 Rating, Add</i>	1,463.50	
<i>For Class 55 Rating, Add</i>	2,184.25	
<i>For Class 56 Rating, Add</i>	2,895.35	
40 05 19 00-0313 EA 18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,259.73	916.11
<i>For Class 52 Rating, Deduct</i>	-1,085.88	
<i>For Class 54 Rating, Add</i>	1,497.41	
<i>For Class 55 Rating, Add</i>	2,234.70	
<i>For Class 56 Rating, Add</i>	2,962.12	
40 05 19 00-0314 EA 18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,490.97	919.81
<i>For Class 52 Rating, Deduct</i>	-1,110.71	
<i>For Class 54 Rating, Add</i>	1,531.32	
<i>For Class 55 Rating, Add</i>	2,285.15	
<i>For Class 56 Rating, Add</i>	3,028.88	
40 05 19 00-0315 EA 18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,722.22	923.52
<i>For Class 52 Rating, Deduct</i>	-1,135.53	
<i>For Class 54 Rating, Add</i>	1,565.24	
<i>For Class 55 Rating, Add</i>	2,335.60	
<i>For Class 56 Rating, Add</i>	3,095.65	
40 05 19 00-0316 EA 18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,953.47	927.21
<i>For Class 52 Rating, Deduct</i>	-1,160.35	
<i>For Class 54 Rating, Add</i>	1,599.15	
<i>For Class 55 Rating, Add</i>	2,386.05	
<i>For Class 56 Rating, Add</i>	3,162.41	
40 05 19 00-0317 EA 18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,184.72	930.92
<i>For Class 52 Rating, Deduct</i>	-1,185.17	
<i>For Class 54 Rating, Add</i>	1,633.06	
<i>For Class 55 Rating, Add</i>	2,436.51	
<i>For Class 56 Rating, Add</i>	3,229.18	
40 05 19 00-0318 EA 18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,415.96	934.62
<i>For Class 52 Rating, Deduct</i>	-1,209.99	
<i>For Class 54 Rating, Add</i>	1,666.97	
<i>For Class 55 Rating, Add</i>	2,486.96	
<i>For Class 56 Rating, Add</i>	3,295.94	
40 05 19 00-0319 EA 18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,647.21	938.33
<i>For Class 52 Rating, Deduct</i>	-1,234.81	
<i>For Class 54 Rating, Add</i>	1,700.89	
<i>For Class 55 Rating, Add</i>	2,537.41	
<i>For Class 56 Rating, Add</i>	3,362.71	
40 05 19 00-0320 20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0321 EA 20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,787.30	914.63
<i>For Class 52 Rating, Deduct</i>	-374.17	
<i>For Class 54 Rating, Add</i>	526.85	
<i>For Class 55 Rating, Add</i>	791.79	
<i>For Class 56 Rating, Add</i>	1,053.33	
40 05 19 00-0322 EA 20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,052.39	918.33
<i>For Class 52 Rating, Deduct</i>	-402.71	
<i>For Class 54 Rating, Add</i>	565.84	
<i>For Class 55 Rating, Add</i>	849.79	
<i>For Class 56 Rating, Add</i>	1,130.08	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0323 EA 20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,317.48	922.03
For Class 52 Rating, Deduct	-431.25	
For Class 54 Rating, Add	604.83	
For Class 55 Rating, Add	907.79	
For Class 56 Rating, Add	1,206.83	
40 05 19 00-0324 EA 20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,582.58	925.74
For Class 52 Rating, Deduct	-459.79	
For Class 54 Rating, Add	643.82	
For Class 55 Rating, Add	965.79	
For Class 56 Rating, Add	1,283.58	
40 05 19 00-0325 EA 20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,847.68	929.44
For Class 52 Rating, Deduct	-488.34	
For Class 54 Rating, Add	682.81	
For Class 55 Rating, Add	1,023.79	
For Class 56 Rating, Add	1,360.33	
40 05 19 00-0326 EA 20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,112.77	933.14
For Class 52 Rating, Deduct	-516.88	
For Class 54 Rating, Add	721.80	
For Class 55 Rating, Add	1,081.79	
For Class 56 Rating, Add	1,437.08	
40 05 19 00-0327 EA 20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,377.86	936.84
For Class 52 Rating, Deduct	-545.42	
For Class 54 Rating, Add	760.79	
For Class 55 Rating, Add	1,139.79	
For Class 56 Rating, Add	1,513.83	
40 05 19 00-0328 EA 20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,642.96	940.55
For Class 52 Rating, Deduct	-573.97	
For Class 54 Rating, Add	799.78	
For Class 55 Rating, Add	1,197.79	
For Class 56 Rating, Add	1,590.58	
40 05 19 00-0329 EA 20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,908.05	944.25
For Class 52 Rating, Deduct	-602.51	
For Class 54 Rating, Add	838.77	
For Class 55 Rating, Add	1,255.79	
For Class 56 Rating, Add	1,667.33	
40 05 19 00-0330 EA 20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,173.15	947.95
For Class 52 Rating, Deduct	-631.05	
For Class 54 Rating, Add	877.76	
For Class 55 Rating, Add	1,313.79	
For Class 56 Rating, Add	1,744.08	
40 05 19 00-0331 EA 20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,438.25	951.65
For Class 52 Rating, Deduct	-659.60	
For Class 54 Rating, Add	916.75	
For Class 55 Rating, Add	1,371.79	
For Class 56 Rating, Add	1,820.83	
40 05 19 00-0332 EA 20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,703.33	955.36
For Class 52 Rating, Deduct	-688.14	
For Class 54 Rating, Add	955.74	
For Class 55 Rating, Add	1,429.79	
For Class 56 Rating, Add	1,897.58	
40 05 19 00-0333 EA 20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,968.43	959.07
For Class 52 Rating, Deduct	-716.68	
For Class 54 Rating, Add	994.73	
For Class 55 Rating, Add	1,487.79	
For Class 56 Rating, Add	1,974.33	
40 05 19 00-0334 EA 20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,233.53	962.76
For Class 52 Rating, Deduct	-745.23	
For Class 54 Rating, Add	1,033.72	
For Class 55 Rating, Add	1,545.79	
For Class 56 Rating, Add	2,051.08	
40 05 19 00-0335 EA 20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,498.63	966.47
For Class 52 Rating, Deduct	-773.77	
For Class 54 Rating, Add	1,072.71	
For Class 55 Rating, Add	1,603.79	
For Class 56 Rating, Add	2,127.83	
40 05 19 00-0336 EA 20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,763.71	970.17
For Class 52 Rating, Deduct	-802.31	
For Class 54 Rating, Add	1,111.70	
For Class 55 Rating, Add	1,661.79	
For Class 56 Rating, Add	2,204.58	
40 05 19 00-0337 EA 20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,028.82	973.88
For Class 52 Rating, Deduct	-830.86	
For Class 54 Rating, Add	1,150.69	
For Class 55 Rating, Add	1,719.79	
For Class 56 Rating, Add	2,281.33	
40 05 19 00-0338 EA 20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,293.91	977.57
For Class 52 Rating, Deduct	-859.40	
For Class 54 Rating, Add	1,189.68	
For Class 55 Rating, Add	1,777.79	
For Class 56 Rating, Add	2,358.08	
40 05 19 00-0339 EA 20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,559.00	981.28
For Class 52 Rating, Deduct	-887.94	
For Class 54 Rating, Add	1,228.67	
For Class 55 Rating, Add	1,835.79	
For Class 56 Rating, Add	2,434.83	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0340 EA 20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,824.09	984.99
<i>For Class 52 Rating, Deduct</i>	-916.49	
<i>For Class 54 Rating, Add</i>	1,267.66	
<i>For Class 55 Rating, Add</i>	1,893.79	
<i>For Class 56 Rating, Add</i>	2,511.58	
40 05 19 00-0341 EA 20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,089.19	988.68
<i>For Class 52 Rating, Deduct</i>	-945.03	
<i>For Class 54 Rating, Add</i>	1,306.65	
<i>For Class 55 Rating, Add</i>	1,951.79	
<i>For Class 56 Rating, Add</i>	2,588.33	
40 05 19 00-0342 EA 20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,354.29	992.39
<i>For Class 52 Rating, Deduct</i>	-973.57	
<i>For Class 54 Rating, Add</i>	1,345.64	
<i>For Class 55 Rating, Add</i>	2,009.79	
<i>For Class 56 Rating, Add</i>	2,665.08	
40 05 19 00-0343 EA 20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,619.38	996.09
<i>For Class 52 Rating, Deduct</i>	-1,002.12	
<i>For Class 54 Rating, Add</i>	1,384.63	
<i>For Class 55 Rating, Add</i>	2,067.78	
<i>For Class 56 Rating, Add</i>	2,741.83	
40 05 19 00-0344 EA 20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,884.47	999.80
<i>For Class 52 Rating, Deduct</i>	-1,030.66	
<i>For Class 54 Rating, Add</i>	1,423.62	
<i>For Class 55 Rating, Add</i>	2,125.78	
<i>For Class 56 Rating, Add</i>	2,818.58	
40 05 19 00-0345 EA 20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,149.57	1,003.49
<i>For Class 52 Rating, Deduct</i>	-1,059.20	
<i>For Class 54 Rating, Add</i>	1,462.61	
<i>For Class 55 Rating, Add</i>	2,183.78	
<i>For Class 56 Rating, Add</i>	2,895.33	
40 05 19 00-0346 EA 20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,414.66	1,007.20
<i>For Class 52 Rating, Deduct</i>	-1,087.75	
<i>For Class 54 Rating, Add</i>	1,501.60	
<i>For Class 55 Rating, Add</i>	2,241.78	
<i>For Class 56 Rating, Add</i>	2,972.08	
40 05 19 00-0347 EA 20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,679.76	1,010.90
<i>For Class 52 Rating, Deduct</i>	-1,116.29	
<i>For Class 54 Rating, Add</i>	1,540.59	
<i>For Class 55 Rating, Add</i>	2,299.78	
<i>For Class 56 Rating, Add</i>	3,048.83	
40 05 19 00-0348 EA 20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,944.85	1,014.61
<i>For Class 52 Rating, Deduct</i>	-1,144.83	
<i>For Class 54 Rating, Add</i>	1,579.58	
<i>For Class 55 Rating, Add</i>	2,357.78	
<i>For Class 56 Rating, Add</i>	3,125.58	
40 05 19 00-0349 EA 20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,209.95	1,018.31
<i>For Class 52 Rating, Deduct</i>	-1,173.38	
<i>For Class 54 Rating, Add</i>	1,618.57	
<i>For Class 55 Rating, Add</i>	2,415.78	
<i>For Class 56 Rating, Add</i>	3,202.33	
40 05 19 00-0350 EA 20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,475.04	1,022.01
<i>For Class 52 Rating, Deduct</i>	-1,201.92	
<i>For Class 54 Rating, Add</i>	1,657.56	
<i>For Class 55 Rating, Add</i>	2,473.78	
<i>For Class 56 Rating, Add</i>	3,279.08	
40 05 19 00-0351 EA 20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,740.14	1,025.72
<i>For Class 52 Rating, Deduct</i>	-1,230.46	
<i>For Class 54 Rating, Add</i>	1,696.55	
<i>For Class 55 Rating, Add</i>	2,531.78	
<i>For Class 56 Rating, Add</i>	3,355.82	
40 05 19 00-0352 EA 20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,005.24	1,029.42
<i>For Class 52 Rating, Deduct</i>	-1,259.01	
<i>For Class 54 Rating, Add</i>	1,735.54	
<i>For Class 55 Rating, Add</i>	2,589.78	
<i>For Class 56 Rating, Add</i>	3,432.58	
40 05 19 00-0353 EA 20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,270.32	1,033.12
<i>For Class 52 Rating, Deduct</i>	-1,287.55	
<i>For Class 54 Rating, Add</i>	1,774.53	
<i>For Class 55 Rating, Add</i>	2,647.78	
<i>For Class 56 Rating, Add</i>	3,509.32	
40 05 19 00-0354 EA 20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,535.42	1,036.82
<i>For Class 52 Rating, Deduct</i>	-1,316.09	
<i>For Class 54 Rating, Add</i>	1,813.52	
<i>For Class 55 Rating, Add</i>	2,705.78	
<i>For Class 56 Rating, Add</i>	3,586.08	
40 05 19 00-0355 EA 20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,800.52	1,040.53
<i>For Class 52 Rating, Deduct</i>	-1,344.64	
<i>For Class 54 Rating, Add</i>	1,852.51	
<i>For Class 55 Rating, Add</i>	2,763.78	
<i>For Class 56 Rating, Add</i>	3,662.82	
40 05 19 00-0356 EA 20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,065.61	1,044.23
<i>For Class 52 Rating, Deduct</i>	-1,373.18	
<i>For Class 54 Rating, Add</i>	1,891.50	
<i>For Class 55 Rating, Add</i>	2,821.78	
<i>For Class 56 Rating, Add</i>	3,739.57	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0357 EA 20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,330.70	1,047.93
For Class 52 Rating, Deduct	-1,401.72	
For Class 54 Rating, Add	1,930.49	
For Class 55 Rating, Add	2,879.78	
For Class 56 Rating, Add	3,816.32	
40 05 19 00-0358 EA 20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,595.80	1,051.64
For Class 52 Rating, Deduct	-1,430.27	
For Class 54 Rating, Add	1,969.48	
For Class 55 Rating, Add	2,937.78	
For Class 56 Rating, Add	3,893.07	
<b>40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)</b>		
40 05 19 00-0360 EA 24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,884.03	1,081.26
For Class 52 Rating, Deduct	-467.03	
For Class 54 Rating, Add	656.52	
For Class 55 Rating, Add	986.12	
For Class 56 Rating, Add	1,311.48	
40 05 19 00-0361 EA 24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,211.18	1,084.97
For Class 52 Rating, Deduct	-502.40	
For Class 54 Rating, Add	704.82	
For Class 55 Rating, Add	1,057.96	
For Class 56 Rating, Add	1,406.53	
40 05 19 00-0362 EA 24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,538.33	1,088.66
For Class 52 Rating, Deduct	-537.77	
For Class 54 Rating, Add	753.12	
For Class 55 Rating, Add	1,129.80	
For Class 56 Rating, Add	1,501.59	
40 05 19 00-0363 EA 24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,865.47	1,092.37
For Class 52 Rating, Deduct	-573.14	
For Class 54 Rating, Add	801.42	
For Class 55 Rating, Add	1,201.63	
For Class 56 Rating, Add	1,596.64	
40 05 19 00-0364 EA 24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,192.61	1,096.07
For Class 52 Rating, Deduct	-608.51	
For Class 54 Rating, Add	849.71	
For Class 55 Rating, Add	1,273.47	
For Class 56 Rating, Add	1,691.70	
40 05 19 00-0365 EA 24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,519.76	1,099.77
For Class 52 Rating, Deduct	-643.88	
For Class 54 Rating, Add	898.01	
For Class 55 Rating, Add	1,345.31	
For Class 56 Rating, Add	1,786.75	
40 05 19 00-0366 EA 24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,846.91	1,103.48
For Class 52 Rating, Deduct	-679.25	
For Class 54 Rating, Add	946.31	
For Class 55 Rating, Add	1,417.14	
For Class 56 Rating, Add	1,881.81	
40 05 19 00-0367 EA 24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,174.05	1,107.18
For Class 52 Rating, Deduct	-714.62	
For Class 54 Rating, Add	994.61	
For Class 55 Rating, Add	1,488.98	
For Class 56 Rating, Add	1,976.86	
40 05 19 00-0368 EA 24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,501.19	1,110.89
For Class 52 Rating, Deduct	-749.98	
For Class 54 Rating, Add	1,042.90	
For Class 55 Rating, Add	1,560.82	
For Class 56 Rating, Add	2,071.92	
40 05 19 00-0369 EA 24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,828.35	1,114.58
For Class 52 Rating, Deduct	-785.35	
For Class 54 Rating, Add	1,091.20	
For Class 55 Rating, Add	1,632.66	
For Class 56 Rating, Add	2,166.97	
40 05 19 00-0370 EA 24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,155.49	1,118.29
For Class 52 Rating, Deduct	-820.72	
For Class 54 Rating, Add	1,139.50	
For Class 55 Rating, Add	1,704.49	
For Class 56 Rating, Add	2,262.03	
40 05 19 00-0371 EA 24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,482.63	1,121.99
For Class 52 Rating, Deduct	-856.09	
For Class 54 Rating, Add	1,187.80	
For Class 55 Rating, Add	1,776.33	
For Class 56 Rating, Add	2,357.08	
40 05 19 00-0372 EA 24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,809.77	1,125.70
For Class 52 Rating, Deduct	-891.46	
For Class 54 Rating, Add	1,236.09	
For Class 55 Rating, Add	1,848.17	
For Class 56 Rating, Add	2,452.13	
40 05 19 00-0373 EA 24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,136.92	1,129.39
For Class 52 Rating, Deduct	-926.83	
For Class 54 Rating, Add	1,284.39	
For Class 55 Rating, Add	1,920.00	
For Class 56 Rating, Add	2,547.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0374 EA 24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,464.07	1,133.10
<i>For Class 52 Rating, Deduct</i>	-962.20	
<i>For Class 54 Rating, Add</i>	1,332.69	
<i>For Class 55 Rating, Add</i>	1,991.84	
<i>For Class 56 Rating, Add</i>	2,642.24	
40 05 19 00-0375 EA 24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,791.21	1,136.81
<i>For Class 52 Rating, Deduct</i>	-997.57	
<i>For Class 54 Rating, Add</i>	1,380.99	
<i>For Class 55 Rating, Add</i>	2,063.68	
<i>For Class 56 Rating, Add</i>	2,737.30	
40 05 19 00-0376 EA 24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,118.36	1,140.50
<i>For Class 52 Rating, Deduct</i>	-1,032.94	
<i>For Class 54 Rating, Add</i>	1,429.28	
<i>For Class 55 Rating, Add</i>	2,135.51	
<i>For Class 56 Rating, Add</i>	2,832.35	
40 05 19 00-0377 EA 24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,445.50	1,144.21
<i>For Class 52 Rating, Deduct</i>	-1,068.30	
<i>For Class 54 Rating, Add</i>	1,477.58	
<i>For Class 55 Rating, Add</i>	2,207.35	
<i>For Class 56 Rating, Add</i>	2,927.41	
40 05 19 00-0378 EA 24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,772.65	1,147.91
<i>For Class 52 Rating, Deduct</i>	-1,103.67	
<i>For Class 54 Rating, Add</i>	1,525.88	
<i>For Class 55 Rating, Add</i>	2,279.19	
<i>For Class 56 Rating, Add</i>	3,022.46	
40 05 19 00-0379 EA 24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,099.80	1,151.62
<i>For Class 52 Rating, Deduct</i>	-1,139.04	
<i>For Class 54 Rating, Add</i>	1,574.18	
<i>For Class 55 Rating, Add</i>	2,351.02	
<i>For Class 56 Rating, Add</i>	3,117.52	
40 05 19 00-0380 EA 24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,426.94	1,155.31
<i>For Class 52 Rating, Deduct</i>	-1,174.41	
<i>For Class 54 Rating, Add</i>	1,622.47	
<i>For Class 55 Rating, Add</i>	2,422.86	
<i>For Class 56 Rating, Add</i>	3,212.57	
40 05 19 00-0381 EA 24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,754.08	1,159.02
<i>For Class 52 Rating, Deduct</i>	-1,209.78	
<i>For Class 54 Rating, Add</i>	1,670.77	
<i>For Class 55 Rating, Add</i>	2,494.70	
<i>For Class 56 Rating, Add</i>	3,307.63	
40 05 19 00-0382 EA 24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,081.23	1,162.73
<i>For Class 52 Rating, Deduct</i>	-1,245.15	
<i>For Class 54 Rating, Add</i>	1,719.07	
<i>For Class 55 Rating, Add</i>	2,566.54	
<i>For Class 56 Rating, Add</i>	3,402.68	
40 05 19 00-0383 EA 24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,408.38	1,166.43
<i>For Class 52 Rating, Deduct</i>	-1,280.52	
<i>For Class 54 Rating, Add</i>	1,767.37	
<i>For Class 55 Rating, Add</i>	2,638.37	
<i>For Class 56 Rating, Add</i>	3,497.74	
40 05 19 00-0384 EA 24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,735.52	1,170.13
<i>For Class 52 Rating, Deduct</i>	-1,315.89	
<i>For Class 54 Rating, Add</i>	1,815.67	
<i>For Class 55 Rating, Add</i>	2,710.21	
<i>For Class 56 Rating, Add</i>	3,592.79	
40 05 19 00-0385 EA 24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,062.66	1,173.83
<i>For Class 52 Rating, Deduct</i>	-1,351.25	
<i>For Class 54 Rating, Add</i>	1,863.96	
<i>For Class 55 Rating, Add</i>	2,782.05	
<i>For Class 56 Rating, Add</i>	3,687.85	
40 05 19 00-0386 EA 24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,389.82	1,177.54
<i>For Class 52 Rating, Deduct</i>	-1,386.62	
<i>For Class 54 Rating, Add</i>	1,912.26	
<i>For Class 55 Rating, Add</i>	2,853.88	
<i>For Class 56 Rating, Add</i>	3,782.90	
40 05 19 00-0387 EA 24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,716.96	1,181.24
<i>For Class 52 Rating, Deduct</i>	-1,421.99	
<i>For Class 54 Rating, Add</i>	1,960.56	
<i>For Class 55 Rating, Add</i>	2,925.72	
<i>For Class 56 Rating, Add</i>	3,877.96	
40 05 19 00-0388 EA 24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,044.09	1,184.94
<i>For Class 52 Rating, Deduct</i>	-1,457.36	
<i>For Class 54 Rating, Add</i>	2,008.85	
<i>For Class 55 Rating, Add</i>	2,997.56	
<i>For Class 56 Rating, Add</i>	3,973.01	
40 05 19 00-0389 EA 24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,466.62	1,251.59
<i>For Class 52 Rating, Deduct</i>	-1,492.73	
<i>For Class 54 Rating, Add</i>	2,058.30	
<i>For Class 55 Rating, Add</i>	3,071.68	
<i>For Class 56 Rating, Add</i>	4,071.50	
40 05 19 00-0390 EA 24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,793.77	1,255.30
<i>For Class 52 Rating, Deduct</i>	-1,528.10	
<i>For Class 54 Rating, Add</i>	2,106.59	
<i>For Class 55 Rating, Add</i>	3,143.52	
<i>For Class 56 Rating, Add</i>	4,166.55	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0391	EA	24"	Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,120.92	1,259.00
			<i>For Class 52 Rating, Deduct</i>	-1,563.47	
			<i>For Class 54 Rating, Add</i>	2,154.89	
			<i>For Class 55 Rating, Add</i>	3,215.36	
			<i>For Class 56 Rating, Add</i>	4,261.61	
40 05 19 00-0392	EA	24"	Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,448.05	1,262.71
			<i>For Class 52 Rating, Deduct</i>	-1,598.84	
			<i>For Class 54 Rating, Add</i>	2,203.19	
			<i>For Class 55 Rating, Add</i>	3,287.19	
			<i>For Class 56 Rating, Add</i>	4,356.66	
40 05 19 00-0393	EA	24"	Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,775.21	1,266.40
			<i>For Class 52 Rating, Deduct</i>	-1,634.21	
			<i>For Class 54 Rating, Add</i>	2,251.49	
			<i>For Class 55 Rating, Add</i>	3,359.03	
			<i>For Class 56 Rating, Add</i>	4,451.72	
40 05 19 00-0394	EA	24"	Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,102.35	1,270.11
			<i>For Class 52 Rating, Deduct</i>	-1,669.57	
			<i>For Class 54 Rating, Add</i>	2,299.78	
			<i>For Class 55 Rating, Add</i>	3,430.87	
			<i>For Class 56 Rating, Add</i>	4,546.77	
40 05 19 00-0395	EA	24"	Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,429.50	1,273.81
			<i>For Class 52 Rating, Deduct</i>	-1,704.94	
			<i>For Class 54 Rating, Add</i>	2,348.08	
			<i>For Class 55 Rating, Add</i>	3,502.70	
			<i>For Class 56 Rating, Add</i>	4,641.83	
40 05 19 00-0396	EA	24"	Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,756.63	1,277.52
			<i>For Class 52 Rating, Deduct</i>	-1,740.31	
			<i>For Class 54 Rating, Add</i>	2,396.38	
			<i>For Class 55 Rating, Add</i>	3,574.54	
			<i>For Class 56 Rating, Add</i>	4,736.88	
40 05 19 00-0397	EA	24"	Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,083.79	1,281.21
			<i>For Class 52 Rating, Deduct</i>	-1,775.68	
			<i>For Class 54 Rating, Add</i>	2,444.68	
			<i>For Class 55 Rating, Add</i>	3,646.38	
			<i>For Class 56 Rating, Add</i>	4,831.94	
<b>40 05 19 00-0398</b>			<b>30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small></b>		
40 05 19 00-0399	EA	30"	Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,061.88	1,525.62
			<i>For Class 52 Rating, Deduct</i>	-742.54	
			<i>For Class 54 Rating, Add</i>	1,040.29	
			<i>For Class 55 Rating, Add</i>	1,560.80	
			<i>For Class 56 Rating, Add</i>	2,074.57	
40 05 19 00-0400	EA	30"	Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,531.93	1,529.31
			<i>For Class 52 Rating, Deduct</i>	-793.63	
			<i>For Class 54 Rating, Add</i>	1,110.02	
			<i>For Class 55 Rating, Add</i>	1,664.51	
			<i>For Class 56 Rating, Add</i>	2,211.78	
40 05 19 00-0401	EA	30"	Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,001.98	1,533.02
			<i>For Class 52 Rating, Deduct</i>	-844.72	
			<i>For Class 54 Rating, Add</i>	1,179.76	
			<i>For Class 55 Rating, Add</i>	1,768.21	
			<i>For Class 56 Rating, Add</i>	2,348.99	
40 05 19 00-0402	EA	30"	Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,472.04	1,536.72
			<i>For Class 52 Rating, Deduct</i>	-895.80	
			<i>For Class 54 Rating, Add</i>	1,249.49	
			<i>For Class 55 Rating, Add</i>	1,871.92	
			<i>For Class 56 Rating, Add</i>	2,486.20	
40 05 19 00-0403	EA	30"	Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,942.07	1,540.43
			<i>For Class 52 Rating, Deduct</i>	-946.89	
			<i>For Class 54 Rating, Add</i>	1,319.22	
			<i>For Class 55 Rating, Add</i>	1,975.62	
			<i>For Class 56 Rating, Add</i>	2,623.41	
40 05 19 00-0404	EA	30"	Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,412.12	1,544.12
			<i>For Class 52 Rating, Deduct</i>	-997.98	
			<i>For Class 54 Rating, Add</i>	1,388.96	
			<i>For Class 55 Rating, Add</i>	2,079.33	
			<i>For Class 56 Rating, Add</i>	2,760.62	
40 05 19 00-0405	EA	30"	Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,882.18	1,547.83
			<i>For Class 52 Rating, Deduct</i>	-1,049.07	
			<i>For Class 54 Rating, Add</i>	1,458.69	
			<i>For Class 55 Rating, Add</i>	2,183.03	
			<i>For Class 56 Rating, Add</i>	2,897.84	
40 05 19 00-0406	EA	30"	Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,352.23	1,551.54
			<i>For Class 52 Rating, Deduct</i>	-1,100.16	
			<i>For Class 54 Rating, Add</i>	1,528.42	
			<i>For Class 55 Rating, Add</i>	2,286.74	
			<i>For Class 56 Rating, Add</i>	3,035.05	
40 05 19 00-0407	EA	30"	Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,822.28	1,555.23
			<i>For Class 52 Rating, Deduct</i>	-1,151.24	
			<i>For Class 54 Rating, Add</i>	1,598.16	
			<i>For Class 55 Rating, Add</i>	2,390.44	
			<i>For Class 56 Rating, Add</i>	3,172.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0408 EA 30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,292.33	1,558.94
<i>For Class 52 Rating, Deduct</i>	-1,202.33	
<i>For Class 54 Rating, Add</i>	1,667.89	
<i>For Class 55 Rating, Add</i>	2,494.15	
<i>For Class 56 Rating, Add</i>	3,309.47	
40 05 19 00-0409 EA 30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,762.38	1,562.64
<i>For Class 52 Rating, Deduct</i>	-1,253.42	
<i>For Class 54 Rating, Add</i>	1,737.62	
<i>For Class 55 Rating, Add</i>	2,597.85	
<i>For Class 56 Rating, Add</i>	3,446.68	
40 05 19 00-0410 EA 30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,232.43	1,566.35
<i>For Class 52 Rating, Deduct</i>	-1,304.51	
<i>For Class 54 Rating, Add</i>	1,807.36	
<i>For Class 55 Rating, Add</i>	2,701.56	
<i>For Class 56 Rating, Add</i>	3,583.90	
40 05 19 00-0411 EA 30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,702.48	1,570.04
<i>For Class 52 Rating, Deduct</i>	-1,355.60	
<i>For Class 54 Rating, Add</i>	1,877.09	
<i>For Class 55 Rating, Add</i>	2,805.26	
<i>For Class 56 Rating, Add</i>	3,721.11	
40 05 19 00-0412 EA 30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,172.53	1,573.75
<i>For Class 52 Rating, Deduct</i>	-1,406.69	
<i>For Class 54 Rating, Add</i>	1,946.82	
<i>For Class 55 Rating, Add</i>	2,908.96	
<i>For Class 56 Rating, Add</i>	3,858.32	
40 05 19 00-0413 EA 30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,642.58	1,577.45
<i>For Class 52 Rating, Deduct</i>	-1,457.78	
<i>For Class 54 Rating, Add</i>	2,016.56	
<i>For Class 55 Rating, Add</i>	3,012.67	
<i>For Class 56 Rating, Add</i>	3,995.53	
40 05 19 00-0414 EA 30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,112.62	1,581.16
<i>For Class 52 Rating, Deduct</i>	-1,508.86	
<i>For Class 54 Rating, Add</i>	2,086.29	
<i>For Class 55 Rating, Add</i>	3,116.37	
<i>For Class 56 Rating, Add</i>	4,132.74	
40 05 19 00-0415 EA 30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,582.68	1,584.86
<i>For Class 52 Rating, Deduct</i>	-1,559.95	
<i>For Class 54 Rating, Add</i>	2,156.02	
<i>For Class 55 Rating, Add</i>	3,220.08	
<i>For Class 56 Rating, Add</i>	4,269.95	
40 05 19 00-0416 EA 30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,052.72	1,588.56
<i>For Class 52 Rating, Deduct</i>	-1,611.04	
<i>For Class 54 Rating, Add</i>	2,225.75	
<i>For Class 55 Rating, Add</i>	3,323.78	
<i>For Class 56 Rating, Add</i>	4,407.16	
40 05 19 00-0417 EA 30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,522.77	1,592.27
<i>For Class 52 Rating, Deduct</i>	-1,662.13	
<i>For Class 54 Rating, Add</i>	2,295.49	
<i>For Class 55 Rating, Add</i>	3,427.49	
<i>For Class 56 Rating, Add</i>	4,544.37	
40 05 19 00-0418 EA 30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,992.82	1,595.97
<i>For Class 52 Rating, Deduct</i>	-1,713.22	
<i>For Class 54 Rating, Add</i>	2,365.22	
<i>For Class 55 Rating, Add</i>	3,531.19	
<i>For Class 56 Rating, Add</i>	4,681.59	
40 05 19 00-0419 EA 30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,462.88	1,599.67
<i>For Class 52 Rating, Deduct</i>	-1,764.30	
<i>For Class 54 Rating, Add</i>	2,434.95	
<i>For Class 55 Rating, Add</i>	3,634.90	
<i>For Class 56 Rating, Add</i>	4,818.80	
40 05 19 00-0420 EA 30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,932.92	1,603.37
<i>For Class 52 Rating, Deduct</i>	-1,815.39	
<i>For Class 54 Rating, Add</i>	2,504.69	
<i>For Class 55 Rating, Add</i>	3,738.60	
<i>For Class 56 Rating, Add</i>	4,956.01	
40 05 19 00-0421 EA 30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,402.97	1,607.08
<i>For Class 52 Rating, Deduct</i>	-1,866.48	
<i>For Class 54 Rating, Add</i>	2,574.42	
<i>For Class 55 Rating, Add</i>	3,842.31	
<i>For Class 56 Rating, Add</i>	5,093.22	
40 05 19 00-0422 EA 30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,873.03	1,610.78
<i>For Class 52 Rating, Deduct</i>	-1,917.57	
<i>For Class 54 Rating, Add</i>	2,644.15	
<i>For Class 55 Rating, Add</i>	3,946.01	
<i>For Class 56 Rating, Add</i>	5,230.43	
40 05 19 00-0423 EA 30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,341.20	1,614.48
<i>For Class 52 Rating, Deduct</i>	-1,968.45	
<i>For Class 54 Rating, Add</i>	2,713.61	
<i>For Class 55 Rating, Add</i>	4,049.30	
<i>For Class 56 Rating, Add</i>	5,367.09	
40 05 19 00-0424 EA 30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,813.11	1,618.19
<i>For Class 52 Rating, Deduct</i>	-2,019.75	
<i>For Class 54 Rating, Add</i>	2,783.62	
<i>For Class 55 Rating, Add</i>	4,153.42	
<i>For Class 56 Rating, Add</i>	5,504.85	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0425	EA		30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,283.16	1,621.89
			<i>For Class 52 Rating, Deduct</i>	-2,070.83	
			<i>For Class 54 Rating, Add</i>	2,853.35	
			<i>For Class 55 Rating, Add</i>	4,257.12	
			<i>For Class 56 Rating, Add</i>	5,642.07	
40 05 19 00-0426	EA		30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,753.22	1,625.59
			<i>For Class 52 Rating, Deduct</i>	-2,121.92	
			<i>For Class 54 Rating, Add</i>	2,923.09	
			<i>For Class 55 Rating, Add</i>	4,360.83	
			<i>For Class 56 Rating, Add</i>	5,779.28	
40 05 19 00-0427	EA		30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,223.27	1,629.29
			<i>For Class 52 Rating, Deduct</i>	-2,173.01	
			<i>For Class 54 Rating, Add</i>	2,992.82	
			<i>For Class 55 Rating, Add</i>	4,464.53	
			<i>For Class 56 Rating, Add</i>	5,916.49	
40 05 19 00-0428	EA		30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,693.32	1,633.00
			<i>For Class 52 Rating, Deduct</i>	-2,224.10	
			<i>For Class 54 Rating, Add</i>	3,062.55	
			<i>For Class 55 Rating, Add</i>	4,568.24	
			<i>For Class 56 Rating, Add</i>	6,053.70	
40 05 19 00-0429	EA		30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,163.37	1,636.70
			<i>For Class 52 Rating, Deduct</i>	-2,275.19	
			<i>For Class 54 Rating, Add</i>	3,132.29	
			<i>For Class 55 Rating, Add</i>	4,671.94	
			<i>For Class 56 Rating, Add</i>	6,190.91	
40 05 19 00-0430	EA		30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,633.42	1,640.40
			<i>For Class 52 Rating, Deduct</i>	-2,326.28	
			<i>For Class 54 Rating, Add</i>	3,202.02	
			<i>For Class 55 Rating, Add</i>	4,775.65	
			<i>For Class 56 Rating, Add</i>	6,328.12	
40 05 19 00-0431	EA		30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,103.47	1,644.11
			<i>For Class 52 Rating, Deduct</i>	-2,377.36	
			<i>For Class 54 Rating, Add</i>	3,271.75	
			<i>For Class 55 Rating, Add</i>	4,879.35	
			<i>For Class 56 Rating, Add</i>	6,465.34	
40 05 19 00-0432	EA		30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,573.52	1,647.81
			<i>For Class 52 Rating, Deduct</i>	-2,428.45	
			<i>For Class 54 Rating, Add</i>	3,341.49	
			<i>For Class 55 Rating, Add</i>	4,983.06	
			<i>For Class 56 Rating, Add</i>	6,602.55	
40 05 19 00-0433	EA		30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,043.57	1,651.51
			<i>For Class 52 Rating, Deduct</i>	-2,479.54	
			<i>For Class 54 Rating, Add</i>	3,411.22	
			<i>For Class 55 Rating, Add</i>	5,086.76	
			<i>For Class 56 Rating, Add</i>	6,739.76	
40 05 19 00-0434	EA		30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,513.62	1,655.21
			<i>For Class 52 Rating, Deduct</i>	-2,530.63	
			<i>For Class 54 Rating, Add</i>	3,480.95	
			<i>For Class 55 Rating, Add</i>	5,190.47	
			<i>For Class 56 Rating, Add</i>	6,876.97	
40 05 19 00-0435	EA		30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,983.66	1,658.92
			<i>For Class 52 Rating, Deduct</i>	-2,581.72	
			<i>For Class 54 Rating, Add</i>	3,550.68	
			<i>For Class 55 Rating, Add</i>	5,294.17	
			<i>For Class 56 Rating, Add</i>	7,014.18	
40 05 19 00-0436	EA		30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,453.72	1,662.62
			<i>For Class 52 Rating, Deduct</i>	-2,632.80	
			<i>For Class 54 Rating, Add</i>	3,620.42	
			<i>For Class 55 Rating, Add</i>	5,397.87	
			<i>For Class 56 Rating, Add</i>	7,151.39	
40 05 19 00-0437			<b>36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0438	EA		36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,587.89	1,932.93
			<i>For Class 52 Rating, Deduct</i>	-1,062.51	
			<i>For Class 54 Rating, Add</i>	1,484.02	
			<i>For Class 55 Rating, Add</i>	2,224.29	
			<i>For Class 56 Rating, Add</i>	2,954.90	
40 05 19 00-0439	EA		36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,225.29	1,936.64
			<i>For Class 52 Rating, Deduct</i>	-1,132.01	
			<i>For Class 54 Rating, Add</i>	1,578.86	
			<i>For Class 55 Rating, Add</i>	2,365.31	
			<i>For Class 56 Rating, Add</i>	3,141.48	
40 05 19 00-0440	EA		36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,862.69	1,940.35
			<i>For Class 52 Rating, Deduct</i>	-1,201.51	
			<i>For Class 54 Rating, Add</i>	1,673.70	
			<i>For Class 55 Rating, Add</i>	2,506.34	
			<i>For Class 56 Rating, Add</i>	3,328.06	
40 05 19 00-0441	EA		36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,500.09	1,944.04
			<i>For Class 52 Rating, Deduct</i>	-1,271.00	
			<i>For Class 54 Rating, Add</i>	1,768.53	
			<i>For Class 55 Rating, Add</i>	2,647.36	
			<i>For Class 56 Rating, Add</i>	3,514.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0442 EA 36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,137.48	1,947.75
<i>For Class 52 Rating, Deduct</i>	-1,340.50	
<i>For Class 54 Rating, Add</i>	1,863.37	
<i>For Class 55 Rating, Add</i>	2,788.38	
<i>For Class 56 Rating, Add</i>	3,701.21	
40 05 19 00-0443 EA 36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,774.88	1,951.45
<i>For Class 52 Rating, Deduct</i>	-1,410.00	
<i>For Class 54 Rating, Add</i>	1,958.20	
<i>For Class 55 Rating, Add</i>	2,929.41	
<i>For Class 56 Rating, Add</i>	3,887.79	
40 05 19 00-0444 EA 36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,412.29	1,955.16
<i>For Class 52 Rating, Deduct</i>	-1,479.49	
<i>For Class 54 Rating, Add</i>	2,053.04	
<i>For Class 55 Rating, Add</i>	3,070.43	
<i>For Class 56 Rating, Add</i>	4,074.37	
40 05 19 00-0445 EA 36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,049.68	1,958.85
<i>For Class 52 Rating, Deduct</i>	-1,548.99	
<i>For Class 54 Rating, Add</i>	2,147.87	
<i>For Class 55 Rating, Add</i>	3,211.45	
<i>For Class 56 Rating, Add</i>	4,260.95	
40 05 19 00-0446 EA 36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,687.07	1,962.56
<i>For Class 52 Rating, Deduct</i>	-1,618.49	
<i>For Class 54 Rating, Add</i>	2,242.71	
<i>For Class 55 Rating, Add</i>	3,352.48	
<i>For Class 56 Rating, Add</i>	4,447.53	
40 05 19 00-0447 EA 36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,324.48	1,966.26
<i>For Class 52 Rating, Deduct</i>	-1,687.98	
<i>For Class 54 Rating, Add</i>	2,337.54	
<i>For Class 55 Rating, Add</i>	3,493.50	
<i>For Class 56 Rating, Add</i>	4,634.11	
40 05 19 00-0448 EA 36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,961.88	1,969.96
<i>For Class 52 Rating, Deduct</i>	-1,757.48	
<i>For Class 54 Rating, Add</i>	2,432.38	
<i>For Class 55 Rating, Add</i>	3,634.52	
<i>For Class 56 Rating, Add</i>	4,820.69	
40 05 19 00-0449 EA 36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,599.28	1,973.67
<i>For Class 52 Rating, Deduct</i>	-1,826.98	
<i>For Class 54 Rating, Add</i>	2,527.22	
<i>For Class 55 Rating, Add</i>	3,775.55	
<i>For Class 56 Rating, Add</i>	5,007.27	
40 05 19 00-0450 EA 36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,236.66	1,977.37
<i>For Class 52 Rating, Deduct</i>	-1,896.47	
<i>For Class 54 Rating, Add</i>	2,622.05	
<i>For Class 55 Rating, Add</i>	3,916.57	
<i>For Class 56 Rating, Add</i>	5,193.85	
40 05 19 00-0451 EA 36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,874.07	1,981.08
<i>For Class 52 Rating, Deduct</i>	-1,965.97	
<i>For Class 54 Rating, Add</i>	2,716.89	
<i>For Class 55 Rating, Add</i>	4,057.59	
<i>For Class 56 Rating, Add</i>	5,380.43	
40 05 19 00-0452 EA 36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,511.47	1,984.77
<i>For Class 52 Rating, Deduct</i>	-2,035.47	
<i>For Class 54 Rating, Add</i>	2,811.72	
<i>For Class 55 Rating, Add</i>	4,198.62	
<i>For Class 56 Rating, Add</i>	5,567.01	
40 05 19 00-0453 EA 36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,148.87	1,988.48
<i>For Class 52 Rating, Deduct</i>	-2,104.96	
<i>For Class 54 Rating, Add</i>	2,906.56	
<i>For Class 55 Rating, Add</i>	4,339.64	
<i>For Class 56 Rating, Add</i>	5,753.59	
40 05 19 00-0454 EA 36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,786.26	1,992.18
<i>For Class 52 Rating, Deduct</i>	-2,174.46	
<i>For Class 54 Rating, Add</i>	3,001.39	
<i>For Class 55 Rating, Add</i>	4,480.66	
<i>For Class 56 Rating, Add</i>	5,940.17	
40 05 19 00-0455 EA 36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,423.66	1,995.89
<i>For Class 52 Rating, Deduct</i>	-2,243.95	
<i>For Class 54 Rating, Add</i>	3,096.23	
<i>For Class 55 Rating, Add</i>	4,621.69	
<i>For Class 56 Rating, Add</i>	6,126.75	
40 05 19 00-0456 EA 36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,061.06	1,999.59
<i>For Class 52 Rating, Deduct</i>	-2,313.45	
<i>For Class 54 Rating, Add</i>	3,191.06	
<i>For Class 55 Rating, Add</i>	4,762.71	
<i>For Class 56 Rating, Add</i>	6,313.33	
40 05 19 00-0457 EA 36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,698.46	2,003.29
<i>For Class 52 Rating, Deduct</i>	-2,382.95	
<i>For Class 54 Rating, Add</i>	3,285.90	
<i>For Class 55 Rating, Add</i>	4,903.73	
<i>For Class 56 Rating, Add</i>	6,499.91	
40 05 19 00-0458 EA 36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,335.85	2,007.00
<i>For Class 52 Rating, Deduct</i>	-2,452.44	
<i>For Class 54 Rating, Add</i>	3,380.73	
<i>For Class 55 Rating, Add</i>	5,044.76	
<i>For Class 56 Rating, Add</i>	6,686.48	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0459 EA 36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,973.25	2,010.70
For Class 52 Rating, Deduct	-2,521.94	
For Class 54 Rating, Add	3,475.57	
For Class 55 Rating, Add	5,185.78	
For Class 56 Rating, Add	6,873.06	
40 05 19 00-0460 EA 36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,610.65	2,014.40
For Class 52 Rating, Deduct	-2,591.44	
For Class 54 Rating, Add	3,570.40	
For Class 55 Rating, Add	5,326.80	
For Class 56 Rating, Add	7,059.64	
40 05 19 00-0461 EA 36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,248.06	2,018.10
For Class 52 Rating, Deduct	-2,660.94	
For Class 54 Rating, Add	3,665.24	
For Class 55 Rating, Add	5,467.83	
For Class 56 Rating, Add	7,246.22	
40 05 19 00-0462 EA 36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,885.44	2,021.81
For Class 52 Rating, Deduct	-2,730.43	
For Class 54 Rating, Add	3,760.08	
For Class 55 Rating, Add	5,608.85	
For Class 56 Rating, Add	7,432.80	
40 05 19 00-0463 EA 36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	28,522.84	2,025.50
For Class 52 Rating, Deduct	-2,799.93	
For Class 54 Rating, Add	3,854.91	
For Class 55 Rating, Add	5,749.87	
For Class 56 Rating, Add	7,619.38	
40 05 19 00-0464 EA 36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	29,160.24	2,029.21
For Class 52 Rating, Deduct	-2,869.42	
For Class 54 Rating, Add	3,949.75	
For Class 55 Rating, Add	5,890.90	
For Class 56 Rating, Add	7,805.96	
40 05 19 00-0465 EA 36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	29,797.65	2,032.92
For Class 52 Rating, Deduct	-2,938.92	
For Class 54 Rating, Add	4,044.58	
For Class 55 Rating, Add	6,031.92	
For Class 56 Rating, Add	7,992.54	
40 05 19 00-0466 EA 36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	30,435.03	2,036.62
For Class 52 Rating, Deduct	-3,008.42	
For Class 54 Rating, Add	4,139.42	
For Class 55 Rating, Add	6,172.94	
For Class 56 Rating, Add	8,179.12	
40 05 19 00-0467 EA 36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	31,072.43	2,040.32
For Class 52 Rating, Deduct	-3,077.91	
For Class 54 Rating, Add	4,234.25	
For Class 55 Rating, Add	6,313.97	
For Class 56 Rating, Add	8,365.70	
40 05 19 00-0468 EA 36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	31,709.84	2,044.02
For Class 52 Rating, Deduct	-3,147.41	
For Class 54 Rating, Add	4,329.09	
For Class 55 Rating, Add	6,454.99	
For Class 56 Rating, Add	8,552.28	
40 05 19 00-0469 EA 36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	32,347.24	2,047.73
For Class 52 Rating, Deduct	-3,216.91	
For Class 54 Rating, Add	4,423.92	
For Class 55 Rating, Add	6,596.01	
For Class 56 Rating, Add	8,738.86	
40 05 19 00-0470 EA 36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	32,984.62	2,051.43
For Class 52 Rating, Deduct	-3,286.40	
For Class 54 Rating, Add	4,518.76	
For Class 55 Rating, Add	6,737.03	
For Class 56 Rating, Add	8,925.43	
40 05 19 00-0471 EA 36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	33,622.03	2,055.13
For Class 52 Rating, Deduct	-3,355.90	
For Class 54 Rating, Add	4,613.59	
For Class 55 Rating, Add	6,878.06	
For Class 56 Rating, Add	9,112.01	
40 05 19 00-0472 EA 36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	34,259.43	2,058.84
For Class 52 Rating, Deduct	-3,425.40	
For Class 54 Rating, Add	4,708.43	
For Class 55 Rating, Add	7,019.08	
For Class 56 Rating, Add	9,298.59	
40 05 19 00-0473 EA 36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	34,896.83	2,062.54
For Class 52 Rating, Deduct	-3,494.89	
For Class 54 Rating, Add	4,803.27	
For Class 55 Rating, Add	7,160.11	
For Class 56 Rating, Add	9,485.17	
40 05 19 00-0474 EA 36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	35,534.22	2,066.24
For Class 52 Rating, Deduct	-3,564.39	
For Class 54 Rating, Add	4,898.10	
For Class 55 Rating, Add	7,301.13	
For Class 56 Rating, Add	9,671.75	
40 05 19 00-0475 EA 36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	36,171.62	2,069.94
For Class 52 Rating, Deduct	-3,633.89	
For Class 54 Rating, Add	4,992.94	
For Class 55 Rating, Add	7,442.15	
For Class 56 Rating, Add	9,858.33	





MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0476	<b>42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0477	EA 42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,577.55	2,436.54
	For Class 52 Rating, Deduct	-1,417.44	
	For Class 54 Rating, Add	1,977.18	
	For Class 55 Rating, Add	2,962.14	
	For Class 56 Rating, Add	3,934.22	
40 05 19 00-0478	EA 42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,527.08	2,440.23
	For Class 52 Rating, Deduct	-1,521.27	
	For Class 54 Rating, Add	2,118.83	
	For Class 55 Rating, Add	3,172.77	
	For Class 56 Rating, Add	4,212.88	
40 05 19 00-0479	EA 42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,465.33	2,443.94
	For Class 52 Rating, Deduct	-1,623.86	
	For Class 54 Rating, Add	2,258.79	
	For Class 55 Rating, Add	3,380.88	
	For Class 56 Rating, Add	4,488.21	
40 05 19 00-0480	EA 42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,412.98	2,447.65
	For Class 52 Rating, Deduct	-1,727.49	
	For Class 54 Rating, Add	2,400.17	
	For Class 55 Rating, Add	3,591.09	
	For Class 56 Rating, Add	4,766.31	
40 05 19 00-0481	EA 42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,351.24	2,451.35
	For Class 52 Rating, Deduct	-1,830.08	
	For Class 54 Rating, Add	2,540.13	
	For Class 55 Rating, Add	3,799.21	
	For Class 56 Rating, Add	5,041.65	
40 05 19 00-0482	EA 42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,300.76	2,455.05
	For Class 52 Rating, Deduct	-1,933.91	
	For Class 54 Rating, Add	2,681.79	
	For Class 55 Rating, Add	4,009.84	
	For Class 56 Rating, Add	5,320.30	
40 05 19 00-0483	EA 42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,237.13	2,458.75
	For Class 52 Rating, Deduct	-2,036.29	
	For Class 54 Rating, Add	2,821.47	
	For Class 55 Rating, Add	4,217.53	
	For Class 56 Rating, Add	5,595.08	
40 05 19 00-0484	EA 42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,186.67	2,462.46
	For Class 52 Rating, Deduct	-2,140.12	
	For Class 54 Rating, Add	2,963.12	
	For Class 55 Rating, Add	4,428.16	
	For Class 56 Rating, Add	5,873.74	
40 05 19 00-0485	EA 42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,124.92	2,466.16
	For Class 52 Rating, Deduct	-2,242.71	
	For Class 54 Rating, Add	3,103.09	
	For Class 55 Rating, Add	4,636.27	
	For Class 56 Rating, Add	6,149.07	
40 05 19 00-0486	EA 42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,072.56	2,469.86
	For Class 52 Rating, Deduct	-2,346.34	
	For Class 54 Rating, Add	3,244.46	
	For Class 55 Rating, Add	4,846.48	
	For Class 56 Rating, Add	6,427.17	
40 05 19 00-0487	EA 42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,010.81	2,473.57
	For Class 52 Rating, Deduct	-2,448.93	
	For Class 54 Rating, Add	3,384.42	
	For Class 55 Rating, Add	5,054.59	
	For Class 56 Rating, Add	6,702.50	
40 05 19 00-0488	EA 42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,958.47	2,477.27
	For Class 52 Rating, Deduct	-2,552.55	
	For Class 54 Rating, Add	3,525.80	
	For Class 55 Rating, Add	5,264.80	
	For Class 56 Rating, Add	6,980.61	
40 05 19 00-0489	EA 42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,896.72	2,480.97
	For Class 52 Rating, Deduct	-2,655.14	
	For Class 54 Rating, Add	3,665.76	
	For Class 55 Rating, Add	5,472.92	
	For Class 56 Rating, Add	7,255.94	
40 05 19 00-0490	EA 42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	28,836.85	2,484.67
	For Class 52 Rating, Deduct	-2,757.94	
	For Class 54 Rating, Add	3,806.00	
	For Class 55 Rating, Add	5,681.45	
	For Class 56 Rating, Add	7,531.82	
40 05 19 00-0491	EA 42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	29,782.62	2,488.38
	For Class 52 Rating, Deduct	-2,861.36	
	For Class 54 Rating, Add	3,947.10	
	For Class 55 Rating, Add	5,891.24	
	For Class 56 Rating, Add	7,809.37	
40 05 19 00-0492	EA 42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	30,720.87	2,492.08
	For Class 52 Rating, Deduct	-2,963.95	
	For Class 54 Rating, Add	4,087.06	
	For Class 55 Rating, Add	6,099.35	
	For Class 56 Rating, Add	8,084.70	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0493 EA 42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	31,670.40	2,495.78
For Class 52 Rating, Deduct	-3,067.78	
For Class 54 Rating, Add	4,228.71	
For Class 55 Rating, Add	6,309.98	
For Class 56 Rating, Add	8,363.36	
40 05 19 00-0494 EA 42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	32,608.64	2,499.48
For Class 52 Rating, Deduct	-3,170.37	
For Class 54 Rating, Add	4,368.68	
For Class 55 Rating, Add	6,518.09	
For Class 56 Rating, Add	8,638.69	
40 05 19 00-0495 EA 42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	33,556.30	2,503.19
For Class 52 Rating, Deduct	-3,273.99	
For Class 54 Rating, Add	4,510.05	
For Class 55 Rating, Add	6,728.31	
For Class 56 Rating, Add	8,916.80	
40 05 19 00-0496 EA 42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	34,494.54	2,506.90
For Class 52 Rating, Deduct	-3,376.58	
For Class 54 Rating, Add	4,650.01	
For Class 55 Rating, Add	6,936.42	
For Class 56 Rating, Add	9,192.12	
40 05 19 00-0497 EA 42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	35,444.07	2,510.59
For Class 52 Rating, Deduct	-3,480.42	
For Class 54 Rating, Add	4,791.67	
For Class 55 Rating, Add	7,147.05	
For Class 56 Rating, Add	9,470.78	
40 05 19 00-0498 EA 42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	36,382.33	2,514.30
For Class 52 Rating, Deduct	-3,583.01	
For Class 54 Rating, Add	4,931.63	
For Class 55 Rating, Add	7,355.16	
For Class 56 Rating, Add	9,746.11	
40 05 19 00-0499 EA 42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	37,329.97	2,518.00
For Class 52 Rating, Deduct	-3,686.63	
For Class 54 Rating, Add	5,073.00	
For Class 55 Rating, Add	7,565.37	
For Class 56 Rating, Add	10,024.22	
40 05 19 00-0500 EA 42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	38,268.22	2,521.71
For Class 52 Rating, Deduct	-3,789.22	
For Class 54 Rating, Add	5,212.97	
For Class 55 Rating, Add	7,773.48	
For Class 56 Rating, Add	10,299.55	
40 05 19 00-0501 EA 42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	39,217.75	2,525.40
For Class 52 Rating, Deduct	-3,893.05	
For Class 54 Rating, Add	5,354.62	
For Class 55 Rating, Add	7,984.11	
For Class 56 Rating, Add	10,578.21	
40 05 19 00-0502 EA 42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	40,156.01	2,529.11
For Class 52 Rating, Deduct	-3,995.64	
For Class 54 Rating, Add	5,494.59	
For Class 55 Rating, Add	8,192.22	
For Class 56 Rating, Add	10,853.54	
40 05 19 00-0503 EA 42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	41,101.77	2,532.81
For Class 52 Rating, Deduct	-4,099.06	
For Class 54 Rating, Add	5,635.68	
For Class 55 Rating, Add	8,402.01	
For Class 56 Rating, Add	11,131.09	
40 05 19 00-0504 EA 42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	42,041.90	2,536.51
For Class 52 Rating, Deduct	-4,201.86	
For Class 54 Rating, Add	5,775.92	
For Class 55 Rating, Add	8,610.55	
For Class 56 Rating, Add	11,406.97	
40 05 19 00-0505 EA 42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	42,792.13	2,540.22
For Class 52 Rating, Deduct	-4,283.76	
For Class 54 Rating, Add	5,887.68	
For Class 55 Rating, Add	8,776.73	
For Class 56 Rating, Add	11,626.83	
40 05 19 00-0506 EA 42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	43,927.81	2,543.92
For Class 52 Rating, Deduct	-4,408.07	
For Class 54 Rating, Add	6,057.26	
For Class 55 Rating, Add	9,028.87	
For Class 56 Rating, Add	11,960.41	
40 05 19 00-0507 EA 42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	44,866.05	2,547.63
For Class 52 Rating, Deduct	-4,510.66	
For Class 54 Rating, Add	6,197.22	
For Class 55 Rating, Add	9,236.98	
For Class 56 Rating, Add	12,235.74	
40 05 19 00-0508 EA 42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	45,813.71	2,551.32
For Class 52 Rating, Deduct	-4,614.29	
For Class 54 Rating, Add	6,338.60	
For Class 55 Rating, Add	9,447.19	
For Class 56 Rating, Add	12,513.84	
40 05 19 00-0509 EA 42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	46,751.96	2,555.03
For Class 52 Rating, Deduct	-4,716.88	
For Class 54 Rating, Add	6,478.56	
For Class 55 Rating, Add	9,655.31	
For Class 56 Rating, Add	12,789.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0510 EA 42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	47,701.49	2,558.73
<i>For Class 52 Rating, Deduct</i>	-4,820.71	
<i>For Class 54 Rating, Add</i>	6,620.22	
<i>For Class 55 Rating, Add</i>	9,865.94	
<i>For Class 56 Rating, Add</i>	13,067.83	
40 05 19 00-0511 EA 42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	48,637.85	2,562.44
<i>For Class 52 Rating, Deduct</i>	-4,923.09	
<i>For Class 54 Rating, Add</i>	6,759.90	
<i>For Class 55 Rating, Add</i>	10,073.63	
<i>For Class 56 Rating, Add</i>	13,342.61	
40 05 19 00-0512 EA 42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	49,587.39	2,566.14
<i>For Class 52 Rating, Deduct</i>	-5,026.92	
<i>For Class 54 Rating, Add</i>	6,901.55	
<i>For Class 55 Rating, Add</i>	10,284.26	
<i>For Class 56 Rating, Add</i>	13,621.26	
40 05 19 00-0513 EA 42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	50,525.64	2,569.84
<i>For Class 52 Rating, Deduct</i>	-5,129.51	
<i>For Class 54 Rating, Add</i>	7,041.52	
<i>For Class 55 Rating, Add</i>	10,492.37	
<i>For Class 56 Rating, Add</i>	13,896.60	
40 05 19 00-0514 EA 42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	51,473.29	2,573.55
<i>For Class 52 Rating, Deduct</i>	-5,233.14	
<i>For Class 54 Rating, Add</i>	7,182.89	
<i>For Class 55 Rating, Add</i>	10,702.58	
<i>For Class 56 Rating, Add</i>	14,174.70	
<b>40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0516 EA 48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,795.61	3,062.33
<i>For Class 52 Rating, Deduct</i>	-1,777.13	
<i>For Class 54 Rating, Add</i>	2,479.04	
<i>For Class 55 Rating, Add</i>	3,714.08	
<i>For Class 56 Rating, Add</i>	4,932.97	
40 05 19 00-0517 EA 48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,175.73	3,066.03
<i>For Class 52 Rating, Deduct</i>	-1,928.32	
<i>For Class 54 Rating, Add</i>	2,685.28	
<i>For Class 55 Rating, Add</i>	4,020.73	
<i>For Class 56 Rating, Add</i>	5,338.65	
40 05 19 00-0518 EA 48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,553.98	3,069.74
<i>For Class 52 Rating, Deduct</i>	-2,079.31	
<i>For Class 54 Rating, Add</i>	2,891.24	
<i>For Class 55 Rating, Add</i>	4,326.96	
<i>For Class 56 Rating, Add</i>	5,743.78	
40 05 19 00-0519 EA 48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,943.50	3,073.45
<i>For Class 52 Rating, Deduct</i>	-2,231.54	
<i>For Class 54 Rating, Add</i>	3,098.90	
<i>For Class 55 Rating, Add</i>	4,635.71	
<i>For Class 56 Rating, Add</i>	6,152.24	
40 05 19 00-0520 EA 48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,323.63	3,077.14
<i>For Class 52 Rating, Deduct</i>	-2,382.74	
<i>For Class 54 Rating, Add</i>	3,305.14	
<i>For Class 55 Rating, Add</i>	4,942.36	
<i>For Class 56 Rating, Add</i>	6,557.92	
40 05 19 00-0521 EA 48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,703.75	3,080.85
<i>For Class 52 Rating, Deduct</i>	-2,533.94	
<i>For Class 54 Rating, Add</i>	3,511.39	
<i>For Class 55 Rating, Add</i>	5,249.01	
<i>For Class 56 Rating, Add</i>	6,963.61	
40 05 19 00-0522 EA 48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	29,091.40	3,084.55
<i>For Class 52 Rating, Deduct</i>	-2,685.96	
<i>For Class 54 Rating, Add</i>	3,718.76	
<i>For Class 55 Rating, Add</i>	5,557.34	
<i>For Class 56 Rating, Add</i>	7,371.51	
40 05 19 00-0523 EA 48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	30,473.41	3,088.26
<i>For Class 52 Rating, Deduct</i>	-2,837.37	
<i>For Class 54 Rating, Add</i>	3,925.28	
<i>For Class 55 Rating, Add</i>	5,864.41	
<i>For Class 56 Rating, Add</i>	7,777.75	
40 05 19 00-0524 EA 48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	31,851.64	3,091.95
<i>For Class 52 Rating, Deduct</i>	-2,988.35	
<i>For Class 54 Rating, Add</i>	4,131.25	
<i>For Class 55 Rating, Add</i>	6,170.64	
<i>For Class 56 Rating, Add</i>	8,182.88	
40 05 19 00-0525 EA 48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	33,241.17	3,095.66
<i>For Class 52 Rating, Deduct</i>	-3,140.59	
<i>For Class 54 Rating, Add</i>	4,338.90	
<i>For Class 55 Rating, Add</i>	6,479.39	
<i>For Class 56 Rating, Add</i>	8,591.33	
40 05 19 00-0526 EA 48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	34,621.30	3,099.37
<i>For Class 52 Rating, Deduct</i>	-3,291.78	
<i>For Class 54 Rating, Add</i>	4,545.15	
<i>For Class 55 Rating, Add</i>	6,786.04	
<i>For Class 56 Rating, Add</i>	8,997.02	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0527 EA 48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	36,010.83	3,103.06
For Class 52 Rating, Deduct	-3,444.01	
For Class 54 Rating, Add	4,752.80	
For Class 55 Rating, Add	7,094.79	
For Class 56 Rating, Add	9,405.48	
40 05 19 00-0528 EA 48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	37,389.06	3,106.77
For Class 52 Rating, Deduct	-3,595.00	
For Class 54 Rating, Add	4,958.76	
For Class 55 Rating, Add	7,401.02	
For Class 56 Rating, Add	9,810.60	
40 05 19 00-0529 EA 48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	38,769.19	3,110.47
For Class 52 Rating, Deduct	-3,746.20	
For Class 54 Rating, Add	5,165.01	
For Class 55 Rating, Add	7,707.68	
For Class 56 Rating, Add	10,216.29	
40 05 19 00-0530 EA 48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	40,158.72	3,114.18
For Class 52 Rating, Deduct	-3,898.43	
For Class 54 Rating, Add	5,372.66	
For Class 55 Rating, Add	8,016.42	
For Class 56 Rating, Add	10,624.74	
40 05 19 00-0531 EA 48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	41,538.85	3,117.87
For Class 52 Rating, Deduct	-4,049.63	
For Class 54 Rating, Add	5,578.91	
For Class 55 Rating, Add	8,323.08	
For Class 56 Rating, Add	11,030.43	
40 05 19 00-0532 EA 48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	42,917.08	3,121.58
For Class 52 Rating, Deduct	-4,200.62	
For Class 54 Rating, Add	5,784.87	
For Class 55 Rating, Add	8,629.31	
For Class 56 Rating, Add	11,435.56	
40 05 19 00-0533 EA 48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	44,306.61	3,125.28
For Class 52 Rating, Deduct	-4,352.85	
For Class 54 Rating, Add	5,992.52	
For Class 55 Rating, Add	8,938.05	
For Class 56 Rating, Add	11,844.01	
40 05 19 00-0534 EA 48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	45,686.74	3,128.99
For Class 52 Rating, Deduct	-4,504.04	
For Class 54 Rating, Add	6,198.77	
For Class 55 Rating, Add	9,244.71	
For Class 56 Rating, Add	12,249.70	
40 05 19 00-0535 EA 48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	47,064.98	3,132.69
For Class 52 Rating, Deduct	-4,655.03	
For Class 54 Rating, Add	6,404.73	
For Class 55 Rating, Add	9,550.94	
For Class 56 Rating, Add	12,654.83	
40 05 19 00-0536 EA 48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	48,454.50	3,136.39
For Class 52 Rating, Deduct	-4,807.26	
For Class 54 Rating, Add	6,612.39	
For Class 55 Rating, Add	9,859.69	
For Class 56 Rating, Add	13,063.28	
40 05 19 00-0537 EA 48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	49,836.51	3,140.10
For Class 52 Rating, Deduct	-4,958.67	
For Class 54 Rating, Add	6,818.91	
For Class 55 Rating, Add	10,166.76	
For Class 56 Rating, Add	13,469.52	
40 05 19 00-0538 EA 48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	51,214.76	3,143.80
For Class 52 Rating, Deduct	-5,109.66	
For Class 54 Rating, Add	7,024.87	
For Class 55 Rating, Add	10,472.99	
For Class 56 Rating, Add	13,874.65	
40 05 19 00-0539 EA 48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	52,604.28	3,147.50
For Class 52 Rating, Deduct	-5,261.89	
For Class 54 Rating, Add	7,232.53	
For Class 55 Rating, Add	10,781.74	
For Class 56 Rating, Add	14,283.11	
40 05 19 00-0540 EA 48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	53,984.40	3,151.20
For Class 52 Rating, Deduct	-5,413.08	
For Class 54 Rating, Add	7,438.77	
For Class 55 Rating, Add	11,088.39	
For Class 56 Rating, Add	14,688.79	
40 05 19 00-0541 EA 48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	55,362.65	3,154.91
For Class 52 Rating, Deduct	-5,564.07	
For Class 54 Rating, Add	7,644.74	
For Class 55 Rating, Add	11,394.62	
For Class 56 Rating, Add	15,093.92	
40 05 19 00-0542 EA 48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	56,752.17	3,158.61
For Class 52 Rating, Deduct	-5,716.30	
For Class 54 Rating, Add	7,852.39	
For Class 55 Rating, Add	11,703.37	
For Class 56 Rating, Add	15,502.38	
40 05 19 00-0543 EA 48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	58,132.31	3,162.31
For Class 52 Rating, Deduct	-5,867.50	
For Class 54 Rating, Add	8,058.63	
For Class 55 Rating, Add	12,010.02	
For Class 56 Rating, Add	15,908.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0544 EA 48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	59,343.20	3,166.02
<i>For Class 52 Rating, Deduct</i>	-6,000.08	
<i>For Class 54 Rating, Add</i>	8,239.49	
<i>For Class 55 Rating, Add</i>	12,278.93	
<i>For Class 56 Rating, Add</i>	16,263.82	
40 05 19 00-0545 EA 48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	60,901.95	3,169.72
<i>For Class 52 Rating, Deduct</i>	-6,170.93	
<i>For Class 54 Rating, Add</i>	8,472.53	
<i>For Class 55 Rating, Add</i>	12,625.42	
<i>For Class 56 Rating, Add</i>	16,722.20	
40 05 19 00-0546 EA 48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	62,280.19	3,173.42
<i>For Class 52 Rating, Deduct</i>	-6,321.92	
<i>For Class 54 Rating, Add</i>	8,678.50	
<i>For Class 55 Rating, Add</i>	12,931.65	
<i>For Class 56 Rating, Add</i>	17,127.33	
40 05 19 00-0547 EA 48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	63,671.61	3,177.12
<i>For Class 52 Rating, Deduct</i>	-6,474.36	
<i>For Class 54 Rating, Add</i>	8,886.43	
<i>For Class 55 Rating, Add</i>	13,240.82	
<i>For Class 56 Rating, Add</i>	17,536.34	
40 05 19 00-0548 EA 48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	65,049.85	3,180.83
<i>For Class 52 Rating, Deduct</i>	-6,625.35	
<i>For Class 54 Rating, Add</i>	9,092.39	
<i>For Class 55 Rating, Add</i>	13,547.05	
<i>For Class 56 Rating, Add</i>	17,941.47	
40 05 19 00-0549 EA 48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	66,428.08	3,184.53
<i>For Class 52 Rating, Deduct</i>	-6,776.33	
<i>For Class 54 Rating, Add</i>	9,298.36	
<i>For Class 55 Rating, Add</i>	13,853.28	
<i>For Class 56 Rating, Add</i>	18,346.60	
40 05 19 00-0550 EA 48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	67,819.50	3,188.23
<i>For Class 52 Rating, Deduct</i>	-6,928.77	
<i>For Class 54 Rating, Add</i>	9,506.29	
<i>For Class 55 Rating, Add</i>	14,162.45	
<i>For Class 56 Rating, Add</i>	18,755.61	
40 05 19 00-0551 EA 48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	69,197.74	3,191.94
<i>For Class 52 Rating, Deduct</i>	-7,079.76	
<i>For Class 54 Rating, Add</i>	9,712.26	
<i>For Class 55 Rating, Add</i>	14,468.68	
<i>For Class 56 Rating, Add</i>	19,160.74	
40 05 19 00-0552 EA 48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	70,577.87	3,195.64
<i>For Class 52 Rating, Deduct</i>	-7,230.96	
<i>For Class 54 Rating, Add</i>	9,918.50	
<i>For Class 55 Rating, Add</i>	14,775.33	
<i>For Class 56 Rating, Add</i>	19,566.42	
40 05 19 00-0553 EA 48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	71,967.38	3,199.35
<i>For Class 52 Rating, Deduct</i>	-7,383.19	
<i>For Class 54 Rating, Add</i>	10,126.15	
<i>For Class 55 Rating, Add</i>	15,084.08	
<i>For Class 56 Rating, Add</i>	19,974.88	
 40 05 19 00-0554 Flanged End x Grooved End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
40 05 19 00-0555 4" Flanged End x Grooved End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0556 EA 4" Flanged x Grooved (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	576.39	169.45
<i>For Class 52 Rating, Deduct</i>	-35.16	
<i>For Class 54 Rating, Add</i>	51.03	
<i>For Class 55 Rating, Add</i>	77.44	
<i>For Class 56 Rating, Add</i>	103.54	
40 05 19 00-0557 EA 4" Flanged x Grooved (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	629.76	172.41
<i>For Class 52 Rating, Deduct</i>	-40.54	
<i>For Class 54 Rating, Add</i>	58.42	
<i>For Class 55 Rating, Add</i>	88.45	
<i>For Class 56 Rating, Add</i>	118.12	
40 05 19 00-0558 EA 4" Flanged x Grooved (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	683.15	175.37
<i>For Class 52 Rating, Deduct</i>	-45.92	
<i>For Class 54 Rating, Add</i>	65.80	
<i>For Class 55 Rating, Add</i>	99.46	
<i>For Class 56 Rating, Add</i>	132.71	
40 05 19 00-0559 EA 4" Flanged x Grooved (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	736.52	178.33
<i>For Class 52 Rating, Deduct</i>	-51.30	
<i>For Class 54 Rating, Add</i>	73.19	
<i>For Class 55 Rating, Add</i>	110.47	
<i>For Class 56 Rating, Add</i>	147.29	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0560	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		789.90	181.30
		<i>For Class 52 Rating, Deduct</i>		-56.67	
		<i>For Class 54 Rating, Add</i>		80.58	
		<i>For Class 55 Rating, Add</i>		121.48	
		<i>For Class 56 Rating, Add</i>		161.88	
40 05 19 00-0561	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		843.28	184.26
		<i>For Class 52 Rating, Deduct</i>		-62.05	
		<i>For Class 54 Rating, Add</i>		87.97	
		<i>For Class 55 Rating, Add</i>		132.49	
		<i>For Class 56 Rating, Add</i>		176.46	
40 05 19 00-0562	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		896.64	187.22
		<i>For Class 52 Rating, Deduct</i>		-67.43	
		<i>For Class 54 Rating, Add</i>		95.35	
		<i>For Class 55 Rating, Add</i>		143.50	
		<i>For Class 56 Rating, Add</i>		191.04	
40 05 19 00-0563	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		950.03	190.19
		<i>For Class 52 Rating, Deduct</i>		-72.81	
		<i>For Class 54 Rating, Add</i>		102.74	
		<i>For Class 55 Rating, Add</i>		154.51	
		<i>For Class 56 Rating, Add</i>		205.63	
40 05 19 00-0564	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,003.40	193.14
		<i>For Class 52 Rating, Deduct</i>		-78.18	
		<i>For Class 54 Rating, Add</i>		110.13	
		<i>For Class 55 Rating, Add</i>		165.52	
		<i>For Class 56 Rating, Add</i>		220.21	
40 05 19 00-0565	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,056.79	196.11
		<i>For Class 52 Rating, Deduct</i>		-83.56	
		<i>For Class 54 Rating, Add</i>		117.51	
		<i>For Class 55 Rating, Add</i>		176.53	
		<i>For Class 56 Rating, Add</i>		234.79	
40 05 19 00-0566	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,110.16	199.08
		<i>For Class 52 Rating, Deduct</i>		-88.94	
		<i>For Class 54 Rating, Add</i>		124.90	
		<i>For Class 55 Rating, Add</i>		187.54	
		<i>For Class 56 Rating, Add</i>		249.38	
40 05 19 00-0567	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,163.54	202.03
		<i>For Class 52 Rating, Deduct</i>		-94.32	
		<i>For Class 54 Rating, Add</i>		132.29	
		<i>For Class 55 Rating, Add</i>		198.55	
		<i>For Class 56 Rating, Add</i>		263.96	
40 05 19 00-0568	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,216.91	205.00
		<i>For Class 52 Rating, Deduct</i>		-99.69	
		<i>For Class 54 Rating, Add</i>		139.67	
		<i>For Class 55 Rating, Add</i>		209.56	
		<i>For Class 56 Rating, Add</i>		278.54	
40 05 19 00-0569	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,270.28	207.96
		<i>For Class 52 Rating, Deduct</i>		-105.07	
		<i>For Class 54 Rating, Add</i>		147.06	
		<i>For Class 55 Rating, Add</i>		220.57	
		<i>For Class 56 Rating, Add</i>		293.13	
40 05 19 00-0570	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,323.67	210.92
		<i>For Class 52 Rating, Deduct</i>		-110.45	
		<i>For Class 54 Rating, Add</i>		154.45	
		<i>For Class 55 Rating, Add</i>		231.58	
		<i>For Class 56 Rating, Add</i>		307.71	
40 05 19 00-0571	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,377.04	213.89
		<i>For Class 52 Rating, Deduct</i>		-115.83	
		<i>For Class 54 Rating, Add</i>		161.84	
		<i>For Class 55 Rating, Add</i>		242.59	
		<i>For Class 56 Rating, Add</i>		322.30	
40 05 19 00-0572	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,430.43	216.85
		<i>For Class 52 Rating, Deduct</i>		-121.21	
		<i>For Class 54 Rating, Add</i>		169.22	
		<i>For Class 55 Rating, Add</i>		253.60	
		<i>For Class 56 Rating, Add</i>		336.88	
40 05 19 00-0573	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,483.80	219.81
		<i>For Class 52 Rating, Deduct</i>		-126.58	
		<i>For Class 54 Rating, Add</i>		176.61	
		<i>For Class 55 Rating, Add</i>		264.61	
		<i>For Class 56 Rating, Add</i>		351.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0574 EA 4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,537.17	222.77
<i>For Class 52 Rating, Deduct</i>	-131.96	
<i>For Class 54 Rating, Add</i>	184.00	
<i>For Class 55 Rating, Add</i>	275.62	
<i>For Class 56 Rating, Add</i>	366.04	
40 05 19 00-0575 EA 4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,590.55	225.74
<i>For Class 52 Rating, Deduct</i>	-137.34	
<i>For Class 54 Rating, Add</i>	191.38	
<i>For Class 55 Rating, Add</i>	286.63	
<i>For Class 56 Rating, Add</i>	380.63	
40 05 19 00-0576 EA 4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,643.92	228.69
<i>For Class 52 Rating, Deduct</i>	-142.72	
<i>For Class 54 Rating, Add</i>	198.77	
<i>For Class 55 Rating, Add</i>	297.64	
<i>For Class 56 Rating, Add</i>	395.21	
40 05 19 00-0577 EA 4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,697.31	231.66
<i>For Class 52 Rating, Deduct</i>	-148.09	
<i>For Class 54 Rating, Add</i>	206.16	
<i>For Class 55 Rating, Add</i>	308.65	
<i>For Class 56 Rating, Add</i>	409.80	
40 05 19 00-0578 EA 4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,750.68	234.62
<i>For Class 52 Rating, Deduct</i>	-153.47	
<i>For Class 54 Rating, Add</i>	213.55	
<i>For Class 55 Rating, Add</i>	319.66	
<i>For Class 56 Rating, Add</i>	424.38	
40 05 19 00-0579 EA 4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,804.06	237.58
<i>For Class 52 Rating, Deduct</i>	-158.85	
<i>For Class 54 Rating, Add</i>	220.93	
<i>For Class 55 Rating, Add</i>	330.67	
<i>For Class 56 Rating, Add</i>	438.97	
40 05 19 00-0580 EA 4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,857.43	240.55
<i>For Class 52 Rating, Deduct</i>	-164.23	
<i>For Class 54 Rating, Add</i>	228.32	
<i>For Class 55 Rating, Add</i>	341.68	
<i>For Class 56 Rating, Add</i>	453.55	
40 05 19 00-0581 EA 4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,910.81	243.50
<i>For Class 52 Rating, Deduct</i>	-169.60	
<i>For Class 54 Rating, Add</i>	235.71	
<i>For Class 55 Rating, Add</i>	352.69	
<i>For Class 56 Rating, Add</i>	468.13	
40 05 19 00-0582 EA 4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,964.19	246.47
<i>For Class 52 Rating, Deduct</i>	-174.98	
<i>For Class 54 Rating, Add</i>	243.09	
<i>For Class 55 Rating, Add</i>	363.70	
<i>For Class 56 Rating, Add</i>	482.72	
40 05 19 00-0583 EA 4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,017.56	249.44
<i>For Class 52 Rating, Deduct</i>	-180.36	
<i>For Class 54 Rating, Add</i>	250.48	
<i>For Class 55 Rating, Add</i>	374.71	
<i>For Class 56 Rating, Add</i>	497.30	
40 05 19 00-0584 EA 4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,070.94	252.39
<i>For Class 52 Rating, Deduct</i>	-185.74	
<i>For Class 54 Rating, Add</i>	257.87	
<i>For Class 55 Rating, Add</i>	385.72	
<i>For Class 56 Rating, Add</i>	511.88	
40 05 19 00-0585 EA 4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,124.32	255.36
<i>For Class 52 Rating, Deduct</i>	-191.12	
<i>For Class 54 Rating, Add</i>	265.26	
<i>For Class 55 Rating, Add</i>	396.73	
<i>For Class 56 Rating, Add</i>	526.47	
40 05 19 00-0586 EA 4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,177.69	258.32
<i>For Class 52 Rating, Deduct</i>	-196.49	
<i>For Class 54 Rating, Add</i>	272.64	
<i>For Class 55 Rating, Add</i>	407.74	
<i>For Class 56 Rating, Add</i>	541.05	
40 05 19 00-0587 EA 4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,231.07	261.28
<i>For Class 52 Rating, Deduct</i>	-201.87	
<i>For Class 54 Rating, Add</i>	280.03	
<i>For Class 55 Rating, Add</i>	418.75	
<i>For Class 56 Rating, Add</i>	555.63	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0588	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,284.45	264.24
		<i>For Class 52 Rating, Deduct</i>		-207.25	
		<i>For Class 54 Rating, Add</i>		287.42	
		<i>For Class 55 Rating, Add</i>		429.76	
		<i>For Class 56 Rating, Add</i>		570.22	
40 05 19 00-0589	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,337.82	267.21
		<i>For Class 52 Rating, Deduct</i>		-212.63	
		<i>For Class 54 Rating, Add</i>		294.80	
		<i>For Class 55 Rating, Add</i>		440.77	
		<i>For Class 56 Rating, Add</i>		584.80	
40 05 19 00-0590	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,391.20	270.17
		<i>For Class 52 Rating, Deduct</i>		-218.00	
		<i>For Class 54 Rating, Add</i>		302.19	
		<i>For Class 55 Rating, Add</i>		451.78	
		<i>For Class 56 Rating, Add</i>		599.38	
40 05 19 00-0591	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,444.58	273.13
		<i>For Class 52 Rating, Deduct</i>		-223.38	
		<i>For Class 54 Rating, Add</i>		309.58	
		<i>For Class 55 Rating, Add</i>		462.79	
		<i>For Class 56 Rating, Add</i>		613.97	
40 05 19 00-0592	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,497.95	276.10
		<i>For Class 52 Rating, Deduct</i>		-228.76	
		<i>For Class 54 Rating, Add</i>		316.96	
		<i>For Class 55 Rating, Add</i>		473.80	
		<i>For Class 56 Rating, Add</i>		628.55	
40 05 19 00-0593	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,551.33	279.05
		<i>For Class 52 Rating, Deduct</i>		-234.14	
		<i>For Class 54 Rating, Add</i>		324.35	
		<i>For Class 55 Rating, Add</i>		484.81	
		<i>For Class 56 Rating, Add</i>		643.13	
40 05 19 00-0594	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,604.70	282.02
		<i>For Class 52 Rating, Deduct</i>		-239.52	
		<i>For Class 54 Rating, Add</i>		331.74	
		<i>For Class 55 Rating, Add</i>		495.82	
		<i>For Class 56 Rating, Add</i>		657.72	
40 05 19 00-0595		<b>6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0594)</small>			
40 05 19 00-0596	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		719.91	213.29
		<i>For Class 52 Rating, Deduct</i>		-43.64	
		<i>For Class 54 Rating, Add</i>		63.39	
		<i>For Class 55 Rating, Add</i>		96.23	
		<i>For Class 56 Rating, Add</i>		128.68	
40 05 19 00-0597	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		784.58	216.25
		<i>For Class 52 Rating, Deduct</i>		-50.26	
		<i>For Class 54 Rating, Add</i>		72.47	
		<i>For Class 55 Rating, Add</i>		109.76	
		<i>For Class 56 Rating, Add</i>		146.59	
40 05 19 00-0598	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		849.23	219.21
		<i>For Class 52 Rating, Deduct</i>		-56.88	
		<i>For Class 54 Rating, Add</i>		81.55	
		<i>For Class 55 Rating, Add</i>		123.28	
		<i>For Class 56 Rating, Add</i>		164.50	
40 05 19 00-0599	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		913.89	222.18
		<i>For Class 52 Rating, Deduct</i>		-63.50	
		<i>For Class 54 Rating, Add</i>		90.63	
		<i>For Class 55 Rating, Add</i>		136.81	
		<i>For Class 56 Rating, Add</i>		182.41	
40 05 19 00-0600	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		978.55	225.14
		<i>For Class 52 Rating, Deduct</i>		-70.12	
		<i>For Class 54 Rating, Add</i>		99.71	
		<i>For Class 55 Rating, Add</i>		150.33	
		<i>For Class 56 Rating, Add</i>		200.32	
40 05 19 00-0601	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,043.20	228.10
		<i>For Class 52 Rating, Deduct</i>		-76.74	
		<i>For Class 54 Rating, Add</i>		108.79	
		<i>For Class 55 Rating, Add</i>		163.86	
		<i>For Class 56 Rating, Add</i>		218.23	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0602 EA 6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,107.87	231.07
<i>For Class 52 Rating, Deduct</i>	-83.35	
<i>For Class 54 Rating, Add</i>	117.87	
<i>For Class 55 Rating, Add</i>	177.39	
<i>For Class 56 Rating, Add</i>	236.15	
40 05 19 00-0603 EA 6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,172.52	234.02
<i>For Class 52 Rating, Deduct</i>	-89.97	
<i>For Class 54 Rating, Add</i>	126.95	
<i>For Class 55 Rating, Add</i>	190.91	
<i>For Class 56 Rating, Add</i>	254.06	
40 05 19 00-0604 EA 6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,237.19	236.99
<i>For Class 52 Rating, Deduct</i>	-96.59	
<i>For Class 54 Rating, Add</i>	136.03	
<i>For Class 55 Rating, Add</i>	204.44	
<i>For Class 56 Rating, Add</i>	271.97	
40 05 19 00-0605 EA 6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,301.84	239.95
<i>For Class 52 Rating, Deduct</i>	-103.21	
<i>For Class 54 Rating, Add</i>	145.10	
<i>For Class 55 Rating, Add</i>	217.96	
<i>For Class 56 Rating, Add</i>	289.88	
40 05 19 00-0606 EA 6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,366.50	242.91
<i>For Class 52 Rating, Deduct</i>	-109.83	
<i>For Class 54 Rating, Add</i>	154.18	
<i>For Class 55 Rating, Add</i>	231.49	
<i>For Class 56 Rating, Add</i>	307.79	
40 05 19 00-0607 EA 6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,431.16	245.88
<i>For Class 52 Rating, Deduct</i>	-116.45	
<i>For Class 54 Rating, Add</i>	163.26	
<i>For Class 55 Rating, Add</i>	245.01	
<i>For Class 56 Rating, Add</i>	325.70	
40 05 19 00-0608 EA 6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,495.81	248.84
<i>For Class 52 Rating, Deduct</i>	-123.07	
<i>For Class 54 Rating, Add</i>	172.34	
<i>For Class 55 Rating, Add</i>	258.54	
<i>For Class 56 Rating, Add</i>	343.62	
40 05 19 00-0609 EA 6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,560.48	251.80
<i>For Class 52 Rating, Deduct</i>	-129.69	
<i>For Class 54 Rating, Add</i>	181.42	
<i>For Class 55 Rating, Add</i>	272.06	
<i>For Class 56 Rating, Add</i>	361.53	
40 05 19 00-0610 EA 6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,625.13	254.76
<i>For Class 52 Rating, Deduct</i>	-136.30	
<i>For Class 54 Rating, Add</i>	190.50	
<i>For Class 55 Rating, Add</i>	285.59	
<i>For Class 56 Rating, Add</i>	379.44	
40 05 19 00-0611 EA 6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,689.80	257.73
<i>For Class 52 Rating, Deduct</i>	-142.92	
<i>For Class 54 Rating, Add</i>	199.58	
<i>For Class 55 Rating, Add</i>	299.12	
<i>For Class 56 Rating, Add</i>	397.35	
40 05 19 00-0612 EA 6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,754.45	260.69
<i>For Class 52 Rating, Deduct</i>	-149.54	
<i>For Class 54 Rating, Add</i>	208.66	
<i>For Class 55 Rating, Add</i>	312.64	
<i>For Class 56 Rating, Add</i>	415.26	
40 05 19 00-0613 EA 6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,819.11	263.65
<i>For Class 52 Rating, Deduct</i>	-156.16	
<i>For Class 54 Rating, Add</i>	217.74	
<i>For Class 55 Rating, Add</i>	326.17	
<i>For Class 56 Rating, Add</i>	433.17	
40 05 19 00-0614 EA 6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,883.77	266.61
<i>For Class 52 Rating, Deduct</i>	-162.78	
<i>For Class 54 Rating, Add</i>	226.82	
<i>For Class 55 Rating, Add</i>	339.69	
<i>For Class 56 Rating, Add</i>	451.09	
40 05 19 00-0615 EA 6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,948.42	269.57
<i>For Class 52 Rating, Deduct</i>	-169.40	
<i>For Class 54 Rating, Add</i>	235.90	
<i>For Class 55 Rating, Add</i>	353.22	
<i>For Class 56 Rating, Add</i>	469.00	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0616	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,013.09	272.54
		<i>For Class 52 Rating, Deduct</i>		-176.02	
		<i>For Class 54 Rating, Add</i>		244.98	
		<i>For Class 55 Rating, Add</i>		366.74	
		<i>For Class 56 Rating, Add</i>		486.91	
40 05 19 00-0617	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,077.74	275.49
		<i>For Class 52 Rating, Deduct</i>		-182.64	
		<i>For Class 54 Rating, Add</i>		254.06	
		<i>For Class 55 Rating, Add</i>		380.27	
		<i>For Class 56 Rating, Add</i>		504.82	
40 05 19 00-0618	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,142.40	278.46
		<i>For Class 52 Rating, Deduct</i>		-189.25	
		<i>For Class 54 Rating, Add</i>		263.14	
		<i>For Class 55 Rating, Add</i>		393.80	
		<i>For Class 56 Rating, Add</i>		522.73	
40 05 19 00-0619	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,207.06	281.43
		<i>For Class 52 Rating, Deduct</i>		-195.87	
		<i>For Class 54 Rating, Add</i>		272.22	
		<i>For Class 55 Rating, Add</i>		407.32	
		<i>For Class 56 Rating, Add</i>		540.65	
40 05 19 00-0620	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,271.72	284.38
		<i>For Class 52 Rating, Deduct</i>		-202.49	
		<i>For Class 54 Rating, Add</i>		281.30	
		<i>For Class 55 Rating, Add</i>		420.85	
		<i>For Class 56 Rating, Add</i>		558.56	
40 05 19 00-0621	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,336.38	287.35
		<i>For Class 52 Rating, Deduct</i>		-209.11	
		<i>For Class 54 Rating, Add</i>		290.37	
		<i>For Class 55 Rating, Add</i>		434.37	
		<i>For Class 56 Rating, Add</i>		576.47	
40 05 19 00-0622	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,401.03	290.31
		<i>For Class 52 Rating, Deduct</i>		-215.73	
		<i>For Class 54 Rating, Add</i>		299.45	
		<i>For Class 55 Rating, Add</i>		447.90	
		<i>For Class 56 Rating, Add</i>		594.38	
40 05 19 00-0623	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,465.69	293.27
		<i>For Class 52 Rating, Deduct</i>		-222.35	
		<i>For Class 54 Rating, Add</i>		308.53	
		<i>For Class 55 Rating, Add</i>		461.42	
		<i>For Class 56 Rating, Add</i>		612.29	
40 05 19 00-0624	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,530.35	296.24
		<i>For Class 52 Rating, Deduct</i>		-228.97	
		<i>For Class 54 Rating, Add</i>		317.61	
		<i>For Class 55 Rating, Add</i>		474.95	
		<i>For Class 56 Rating, Add</i>		630.20	
40 05 19 00-0625	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,595.01	299.20
		<i>For Class 52 Rating, Deduct</i>		-235.58	
		<i>For Class 54 Rating, Add</i>		326.69	
		<i>For Class 55 Rating, Add</i>		488.47	
		<i>For Class 56 Rating, Add</i>		648.12	
40 05 19 00-0626	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,659.67	302.16
		<i>For Class 52 Rating, Deduct</i>		-242.20	
		<i>For Class 54 Rating, Add</i>		335.77	
		<i>For Class 55 Rating, Add</i>		502.00	
		<i>For Class 56 Rating, Add</i>		666.03	
40 05 19 00-0627	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,724.33	305.12
		<i>For Class 52 Rating, Deduct</i>		-248.82	
		<i>For Class 54 Rating, Add</i>		344.85	
		<i>For Class 55 Rating, Add</i>		515.53	
		<i>For Class 56 Rating, Add</i>		683.94	
40 05 19 00-0628	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,788.99	308.09
		<i>For Class 52 Rating, Deduct</i>		-255.44	
		<i>For Class 54 Rating, Add</i>		353.93	
		<i>For Class 55 Rating, Add</i>		529.05	
		<i>For Class 56 Rating, Add</i>		701.85	
40 05 19 00-0629	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,853.65	311.04
		<i>For Class 52 Rating, Deduct</i>		-262.06	
		<i>For Class 54 Rating, Add</i>		363.01	
		<i>For Class 55 Rating, Add</i>		542.58	
		<i>For Class 56 Rating, Add</i>		719.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0630 EA 6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,918.31	314.01
For Class 52 Rating, Deduct	-268.68	
For Class 54 Rating, Add	372.09	
For Class 55 Rating, Add	556.10	
For Class 56 Rating, Add	737.68	
40 05 19 00-0631 EA 6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,982.97	316.98
For Class 52 Rating, Deduct	-275.30	
For Class 54 Rating, Add	381.17	
For Class 55 Rating, Add	569.63	
For Class 56 Rating, Add	755.59	
40 05 19 00-0632 EA 6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,047.63	319.93
For Class 52 Rating, Deduct	-281.92	
For Class 54 Rating, Add	390.25	
For Class 55 Rating, Add	583.16	
For Class 56 Rating, Add	773.50	
40 05 19 00-0633 EA 6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,112.29	322.90
For Class 52 Rating, Deduct	-288.54	
For Class 54 Rating, Add	399.33	
For Class 55 Rating, Add	596.68	
For Class 56 Rating, Add	791.41	
40 05 19 00-0634 EA 6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,176.95	325.85
For Class 52 Rating, Deduct	-295.15	
For Class 54 Rating, Add	408.41	
For Class 55 Rating, Add	610.21	
For Class 56 Rating, Add	809.32	
<b>40 05 19 00-0635 8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0636 EA 8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	992.08	272.54
For Class 52 Rating, Deduct	-63.71	
For Class 54 Rating, Add	91.83	
For Class 55 Rating, Add	139.06	
For Class 56 Rating, Add	185.71	
40 05 19 00-0637 EA 8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,079.29	275.49
For Class 52 Rating, Deduct	-72.81	
For Class 54 Rating, Add	104.29	
For Class 55 Rating, Add	157.62	
For Class 56 Rating, Add	210.28	
40 05 19 00-0638 EA 8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,166.52	278.46
For Class 52 Rating, Deduct	-81.91	
For Class 54 Rating, Add	116.75	
For Class 55 Rating, Add	176.17	
For Class 56 Rating, Add	234.85	
40 05 19 00-0639 EA 8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,253.74	281.43
For Class 52 Rating, Deduct	-91.01	
For Class 54 Rating, Add	129.22	
For Class 55 Rating, Add	194.73	
For Class 56 Rating, Add	259.42	
40 05 19 00-0640 EA 8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,340.96	284.38
For Class 52 Rating, Deduct	-100.11	
For Class 54 Rating, Add	141.68	
For Class 55 Rating, Add	213.29	
For Class 56 Rating, Add	283.98	
40 05 19 00-0641 EA 8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,428.19	287.35
For Class 52 Rating, Deduct	-109.21	
For Class 54 Rating, Add	154.15	
For Class 55 Rating, Add	231.85	
For Class 56 Rating, Add	308.55	
40 05 19 00-0642 EA 8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,515.40	290.31
For Class 52 Rating, Deduct	-118.31	
For Class 54 Rating, Add	166.61	
For Class 55 Rating, Add	250.40	
For Class 56 Rating, Add	333.12	
40 05 19 00-0643 EA 8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,602.63	293.27
For Class 52 Rating, Deduct	-127.41	
For Class 54 Rating, Add	179.07	
For Class 55 Rating, Add	268.96	
For Class 56 Rating, Add	357.69	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0644	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,689.85	296.24
		<i>For Class 52 Rating, Deduct</i>		-136.51	
		<i>For Class 54 Rating, Add</i>		191.54	
		<i>For Class 55 Rating, Add</i>		287.52	
		<i>For Class 56 Rating, Add</i>		382.26	
40 05 19 00-0645	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,777.08	299.20
		<i>For Class 52 Rating, Deduct</i>		-145.61	
		<i>For Class 54 Rating, Add</i>		204.00	
		<i>For Class 55 Rating, Add</i>		306.08	
		<i>For Class 56 Rating, Add</i>		406.83	
40 05 19 00-0646	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,864.30	302.16
		<i>For Class 52 Rating, Deduct</i>		-154.71	
		<i>For Class 54 Rating, Add</i>		216.47	
		<i>For Class 55 Rating, Add</i>		324.63	
		<i>For Class 56 Rating, Add</i>		431.39	
40 05 19 00-0647	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,951.52	305.12
		<i>For Class 52 Rating, Deduct</i>		-163.81	
		<i>For Class 54 Rating, Add</i>		228.93	
		<i>For Class 55 Rating, Add</i>		343.19	
		<i>For Class 56 Rating, Add</i>		455.96	
40 05 19 00-0648	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,038.74	308.09
		<i>For Class 52 Rating, Deduct</i>		-172.91	
		<i>For Class 54 Rating, Add</i>		241.39	
		<i>For Class 55 Rating, Add</i>		361.75	
		<i>For Class 56 Rating, Add</i>		480.53	
40 05 19 00-0649	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,125.96	311.04
		<i>For Class 52 Rating, Deduct</i>		-182.01	
		<i>For Class 54 Rating, Add</i>		253.86	
		<i>For Class 55 Rating, Add</i>		380.30	
		<i>For Class 56 Rating, Add</i>		505.10	
40 05 19 00-0650	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,213.19	314.01
		<i>For Class 52 Rating, Deduct</i>		-191.12	
		<i>For Class 54 Rating, Add</i>		266.32	
		<i>For Class 55 Rating, Add</i>		398.86	
		<i>For Class 56 Rating, Add</i>		529.67	
40 05 19 00-0651	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,300.41	316.98
		<i>For Class 52 Rating, Deduct</i>		-200.22	
		<i>For Class 54 Rating, Add</i>		278.79	
		<i>For Class 55 Rating, Add</i>		417.42	
		<i>For Class 56 Rating, Add</i>		554.23	
40 05 19 00-0652	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,387.63	319.93
		<i>For Class 52 Rating, Deduct</i>		-209.32	
		<i>For Class 54 Rating, Add</i>		291.25	
		<i>For Class 55 Rating, Add</i>		435.98	
		<i>For Class 56 Rating, Add</i>		578.80	
40 05 19 00-0653	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,474.86	322.90
		<i>For Class 52 Rating, Deduct</i>		-218.42	
		<i>For Class 54 Rating, Add</i>		303.71	
		<i>For Class 55 Rating, Add</i>		454.54	
		<i>For Class 56 Rating, Add</i>		603.37	
40 05 19 00-0654	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,562.08	325.85
		<i>For Class 52 Rating, Deduct</i>		-227.52	
		<i>For Class 54 Rating, Add</i>		316.18	
		<i>For Class 55 Rating, Add</i>		473.09	
		<i>For Class 56 Rating, Add</i>		627.94	
40 05 19 00-0655	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,649.30	328.82
		<i>For Class 52 Rating, Deduct</i>		-236.62	
		<i>For Class 54 Rating, Add</i>		328.64	
		<i>For Class 55 Rating, Add</i>		491.65	
		<i>For Class 56 Rating, Add</i>		652.51	
40 05 19 00-0656	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,736.52	331.79
		<i>For Class 52 Rating, Deduct</i>		-245.72	
		<i>For Class 54 Rating, Add</i>		341.11	
		<i>For Class 55 Rating, Add</i>		510.21	
		<i>For Class 56 Rating, Add</i>		677.07	
40 05 19 00-0657	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,823.74	334.74
		<i>For Class 52 Rating, Deduct</i>		-254.82	
		<i>For Class 54 Rating, Add</i>		353.57	
		<i>For Class 55 Rating, Add</i>		528.76	
		<i>For Class 56 Rating, Add</i>		701.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0658 EA 8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,910.97	337.71
<i>For Class 52 Rating, Deduct</i>	-263.92	
<i>For Class 54 Rating, Add</i>	366.03	
<i>For Class 55 Rating, Add</i>	547.32	
<i>For Class 56 Rating, Add</i>	726.21	
40 05 19 00-0659 EA 8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,998.19	340.67
<i>For Class 52 Rating, Deduct</i>	-273.02	
<i>For Class 54 Rating, Add</i>	378.50	
<i>For Class 55 Rating, Add</i>	565.88	
<i>For Class 56 Rating, Add</i>	750.78	
40 05 19 00-0660 EA 8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,085.41	343.63
<i>For Class 52 Rating, Deduct</i>	-282.12	
<i>For Class 54 Rating, Add</i>	390.96	
<i>For Class 55 Rating, Add</i>	584.44	
<i>For Class 56 Rating, Add</i>	775.35	
40 05 19 00-0661 EA 8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,172.64	346.60
<i>For Class 52 Rating, Deduct</i>	-291.22	
<i>For Class 54 Rating, Add</i>	403.43	
<i>For Class 55 Rating, Add</i>	602.99	
<i>For Class 56 Rating, Add</i>	799.91	
40 05 19 00-0662 EA 8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,259.85	349.56
<i>For Class 52 Rating, Deduct</i>	-300.32	
<i>For Class 54 Rating, Add</i>	415.89	
<i>For Class 55 Rating, Add</i>	621.55	
<i>For Class 56 Rating, Add</i>	824.48	
40 05 19 00-0663 EA 8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,347.09	352.52
<i>For Class 52 Rating, Deduct</i>	-309.43	
<i>For Class 54 Rating, Add</i>	428.35	
<i>For Class 55 Rating, Add</i>	640.11	
<i>For Class 56 Rating, Add</i>	849.05	
40 05 19 00-0664 EA 8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,434.30	355.48
<i>For Class 52 Rating, Deduct</i>	-318.53	
<i>For Class 54 Rating, Add</i>	440.82	
<i>For Class 55 Rating, Add</i>	658.67	
<i>For Class 56 Rating, Add</i>	873.62	
40 05 19 00-0665 EA 8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,521.52	358.45
<i>For Class 52 Rating, Deduct</i>	-327.63	
<i>For Class 54 Rating, Add</i>	453.28	
<i>For Class 55 Rating, Add</i>	677.22	
<i>For Class 56 Rating, Add</i>	898.19	
40 05 19 00-0666 EA 8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,608.75	361.40
<i>For Class 52 Rating, Deduct</i>	-336.73	
<i>For Class 54 Rating, Add</i>	465.75	
<i>For Class 55 Rating, Add</i>	695.78	
<i>For Class 56 Rating, Add</i>	922.76	
40 05 19 00-0667 EA 8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,695.97	364.37
<i>For Class 52 Rating, Deduct</i>	-345.83	
<i>For Class 54 Rating, Add</i>	478.21	
<i>For Class 55 Rating, Add</i>	714.34	
<i>For Class 56 Rating, Add</i>	947.33	
40 05 19 00-0668 EA 8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,783.20	367.34
<i>For Class 52 Rating, Deduct</i>	-354.93	
<i>For Class 54 Rating, Add</i>	490.67	
<i>For Class 55 Rating, Add</i>	732.90	
<i>For Class 56 Rating, Add</i>	971.89	
40 05 19 00-0669 EA 8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,870.41	370.29
<i>For Class 52 Rating, Deduct</i>	-364.03	
<i>For Class 54 Rating, Add</i>	503.14	
<i>For Class 55 Rating, Add</i>	751.45	
<i>For Class 56 Rating, Add</i>	996.46	
40 05 19 00-0670 EA 8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,957.64	373.26
<i>For Class 52 Rating, Deduct</i>	-373.13	
<i>For Class 54 Rating, Add</i>	515.60	
<i>For Class 55 Rating, Add</i>	770.01	
<i>For Class 56 Rating, Add</i>	1,021.03	
40 05 19 00-0671 EA 8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,044.86	376.22
<i>For Class 52 Rating, Deduct</i>	-382.23	
<i>For Class 54 Rating, Add</i>	528.06	
<i>For Class 55 Rating, Add</i>	788.57	
<i>For Class 56 Rating, Add</i>	1,045.60	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0672	EA		8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,132.08	379.18
			<i>For Class 52 Rating, Deduct</i>	-391.33	
			<i>For Class 54 Rating, Add</i>	540.53	
			<i>For Class 55 Rating, Add</i>	807.13	
			<i>For Class 56 Rating, Add</i>	1,070.17	
40 05 19 00-0673	EA		8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,219.31	382.15
			<i>For Class 52 Rating, Deduct</i>	-400.43	
			<i>For Class 54 Rating, Add</i>	552.99	
			<i>For Class 55 Rating, Add</i>	825.68	
			<i>For Class 56 Rating, Add</i>	1,094.73	
40 05 19 00-0674	EA		8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,306.52	385.10
			<i>For Class 52 Rating, Deduct</i>	-409.53	
			<i>For Class 54 Rating, Add</i>	565.46	
			<i>For Class 55 Rating, Add</i>	844.24	
			<i>For Class 56 Rating, Add</i>	1,119.30	
40 05 19 00-0675			<b>10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0676	EA		10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,243.55	331.79
			<i>For Class 52 Rating, Deduct</i>	-81.49	
			<i>For Class 54 Rating, Add</i>	117.16	
			<i>For Class 55 Rating, Add</i>	177.27	
			<i>For Class 56 Rating, Add</i>	236.65	
40 05 19 00-0677	EA		10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,357.09	334.74
			<i>For Class 52 Rating, Deduct</i>	-93.49	
			<i>For Class 54 Rating, Add</i>	133.57	
			<i>For Class 55 Rating, Add</i>	201.70	
			<i>For Class 56 Rating, Add</i>	268.98	
40 05 19 00-0678	EA		10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,470.64	337.71
			<i>For Class 52 Rating, Deduct</i>	-105.49	
			<i>For Class 54 Rating, Add</i>	149.98	
			<i>For Class 55 Rating, Add</i>	226.13	
			<i>For Class 56 Rating, Add</i>	301.31	
40 05 19 00-0679	EA		10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,584.19	340.67
			<i>For Class 52 Rating, Deduct</i>	-117.48	
			<i>For Class 54 Rating, Add</i>	166.40	
			<i>For Class 55 Rating, Add</i>	250.56	
			<i>For Class 56 Rating, Add</i>	333.65	
40 05 19 00-0680	EA		10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,697.73	343.63
			<i>For Class 52 Rating, Deduct</i>	-129.48	
			<i>For Class 54 Rating, Add</i>	182.81	
			<i>For Class 55 Rating, Add</i>	274.98	
			<i>For Class 56 Rating, Add</i>	365.98	
40 05 19 00-0681	EA		10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,811.29	346.60
			<i>For Class 52 Rating, Deduct</i>	-141.48	
			<i>For Class 54 Rating, Add</i>	199.22	
			<i>For Class 55 Rating, Add</i>	299.41	
			<i>For Class 56 Rating, Add</i>	398.32	
40 05 19 00-0682	EA		10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,924.83	349.56
			<i>For Class 52 Rating, Deduct</i>	-153.47	
			<i>For Class 54 Rating, Add</i>	215.64	
			<i>For Class 55 Rating, Add</i>	323.84	
			<i>For Class 56 Rating, Add</i>	430.65	
40 05 19 00-0683	EA		10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,038.39	352.52
			<i>For Class 52 Rating, Deduct</i>	-165.47	
			<i>For Class 54 Rating, Add</i>	232.05	
			<i>For Class 55 Rating, Add</i>	348.27	
			<i>For Class 56 Rating, Add</i>	462.99	
40 05 19 00-0684	EA		10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,151.92	355.48
			<i>For Class 52 Rating, Deduct</i>	-177.46	
			<i>For Class 54 Rating, Add</i>	248.46	
			<i>For Class 55 Rating, Add</i>	372.69	
			<i>For Class 56 Rating, Add</i>	495.32	
40 05 19 00-0685	EA		10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,265.46	358.45
			<i>For Class 52 Rating, Deduct</i>	-189.46	
			<i>For Class 54 Rating, Add</i>	264.87	
			<i>For Class 55 Rating, Add</i>	397.12	
			<i>For Class 56 Rating, Add</i>	527.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0686 EA 10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,379.02	361.40
<i>For Class 52 Rating, Deduct</i>	-201.46	
<i>For Class 54 Rating, Add</i>	281.29	
<i>For Class 55 Rating, Add</i>	421.55	
<i>For Class 56 Rating, Add</i>	559.99	
40 05 19 00-0687 EA 10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,492.56	364.37
<i>For Class 52 Rating, Deduct</i>	-213.45	
<i>For Class 54 Rating, Add</i>	297.70	
<i>For Class 55 Rating, Add</i>	445.98	
<i>For Class 56 Rating, Add</i>	592.32	
40 05 19 00-0688 EA 10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,606.12	367.34
<i>For Class 52 Rating, Deduct</i>	-225.45	
<i>For Class 54 Rating, Add</i>	314.11	
<i>For Class 55 Rating, Add</i>	470.41	
<i>For Class 56 Rating, Add</i>	624.65	
40 05 19 00-0689 EA 10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,719.66	370.29
<i>For Class 52 Rating, Deduct</i>	-237.45	
<i>For Class 54 Rating, Add</i>	330.52	
<i>For Class 55 Rating, Add</i>	494.84	
<i>For Class 56 Rating, Add</i>	656.99	
40 05 19 00-0690 EA 10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,833.21	373.26
<i>For Class 52 Rating, Deduct</i>	-249.44	
<i>For Class 54 Rating, Add</i>	346.94	
<i>For Class 55 Rating, Add</i>	519.26	
<i>For Class 56 Rating, Add</i>	689.32	
40 05 19 00-0691 EA 10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,946.75	376.22
<i>For Class 52 Rating, Deduct</i>	-261.44	
<i>For Class 54 Rating, Add</i>	363.35	
<i>For Class 55 Rating, Add</i>	543.69	
<i>For Class 56 Rating, Add</i>	721.65	
40 05 19 00-0692 EA 10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,060.29	379.18
<i>For Class 52 Rating, Deduct</i>	-273.44	
<i>For Class 54 Rating, Add</i>	379.76	
<i>For Class 55 Rating, Add</i>	568.12	
<i>For Class 56 Rating, Add</i>	753.99	
40 05 19 00-0693 EA 10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,173.85	382.15
<i>For Class 52 Rating, Deduct</i>	-285.43	
<i>For Class 54 Rating, Add</i>	396.17	
<i>For Class 55 Rating, Add</i>	592.55	
<i>For Class 56 Rating, Add</i>	786.32	
40 05 19 00-0694 EA 10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,287.39	385.10
<i>For Class 52 Rating, Deduct</i>	-297.43	
<i>For Class 54 Rating, Add</i>	412.59	
<i>For Class 55 Rating, Add</i>	616.97	
<i>For Class 56 Rating, Add</i>	818.66	
40 05 19 00-0695 EA 10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,400.95	388.07
<i>For Class 52 Rating, Deduct</i>	-309.43	
<i>For Class 54 Rating, Add</i>	429.00	
<i>For Class 55 Rating, Add</i>	641.40	
<i>For Class 56 Rating, Add</i>	850.99	
40 05 19 00-0696 EA 10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,514.49	391.03
<i>For Class 52 Rating, Deduct</i>	-321.42	
<i>For Class 54 Rating, Add</i>	445.41	
<i>For Class 55 Rating, Add</i>	665.83	
<i>For Class 56 Rating, Add</i>	883.32	
40 05 19 00-0697 EA 10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,628.04	393.99
<i>For Class 52 Rating, Deduct</i>	-333.42	
<i>For Class 54 Rating, Add</i>	461.83	
<i>For Class 55 Rating, Add</i>	690.26	
<i>For Class 56 Rating, Add</i>	915.66	
40 05 19 00-0698 EA 10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,741.58	396.95
<i>For Class 52 Rating, Deduct</i>	-345.41	
<i>For Class 54 Rating, Add</i>	478.24	
<i>For Class 55 Rating, Add</i>	714.68	
<i>For Class 56 Rating, Add</i>	947.99	
40 05 19 00-0699 EA 10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,855.12	399.92
<i>For Class 52 Rating, Deduct</i>	-357.41	
<i>For Class 54 Rating, Add</i>	494.65	
<i>For Class 55 Rating, Add</i>	739.11	
<i>For Class 56 Rating, Add</i>	980.32	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0700	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,968.68	402.88
		<i>For Class 52 Rating, Deduct</i>		-369.41	
		<i>For Class 54 Rating, Add</i>		511.06	
		<i>For Class 55 Rating, Add</i>		763.54	
		<i>For Class 56 Rating, Add</i>		1,012.66	
40 05 19 00-0701	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,082.22	405.84
		<i>For Class 52 Rating, Deduct</i>		-381.40	
		<i>For Class 54 Rating, Add</i>		527.48	
		<i>For Class 55 Rating, Add</i>		787.97	
		<i>For Class 56 Rating, Add</i>		1,044.99	
40 05 19 00-0702	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,195.77	408.81
		<i>For Class 52 Rating, Deduct</i>		-393.40	
		<i>For Class 54 Rating, Add</i>		543.89	
		<i>For Class 55 Rating, Add</i>		812.40	
		<i>For Class 56 Rating, Add</i>		1,077.33	
40 05 19 00-0703	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,309.32	411.76
		<i>For Class 52 Rating, Deduct</i>		-405.40	
		<i>For Class 54 Rating, Add</i>		560.30	
		<i>For Class 55 Rating, Add</i>		836.82	
		<i>For Class 56 Rating, Add</i>		1,109.66	
40 05 19 00-0704	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,422.87	414.73
		<i>For Class 52 Rating, Deduct</i>		-417.39	
		<i>For Class 54 Rating, Add</i>		576.71	
		<i>For Class 55 Rating, Add</i>		861.25	
		<i>For Class 56 Rating, Add</i>		1,142.00	
40 05 19 00-0705	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,536.41	417.70
		<i>For Class 52 Rating, Deduct</i>		-429.39	
		<i>For Class 54 Rating, Add</i>		593.13	
		<i>For Class 55 Rating, Add</i>		885.68	
		<i>For Class 56 Rating, Add</i>		1,174.33	
40 05 19 00-0706	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,649.95	420.65
		<i>For Class 52 Rating, Deduct</i>		-441.39	
		<i>For Class 54 Rating, Add</i>		609.54	
		<i>For Class 55 Rating, Add</i>		910.11	
		<i>For Class 56 Rating, Add</i>		1,206.66	
40 05 19 00-0707	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,763.50	423.62
		<i>For Class 52 Rating, Deduct</i>		-453.38	
		<i>For Class 54 Rating, Add</i>		625.95	
		<i>For Class 55 Rating, Add</i>		934.53	
		<i>For Class 56 Rating, Add</i>		1,239.00	
40 05 19 00-0708	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,877.05	426.58
		<i>For Class 52 Rating, Deduct</i>		-465.38	
		<i>For Class 54 Rating, Add</i>		642.36	
		<i>For Class 55 Rating, Add</i>		958.96	
		<i>For Class 56 Rating, Add</i>		1,271.33	
40 05 19 00-0709	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,990.60	429.54
		<i>For Class 52 Rating, Deduct</i>		-477.38	
		<i>For Class 54 Rating, Add</i>		658.78	
		<i>For Class 55 Rating, Add</i>		983.39	
		<i>For Class 56 Rating, Add</i>		1,303.66	
40 05 19 00-0710	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,104.15	432.51
		<i>For Class 52 Rating, Deduct</i>		-489.37	
		<i>For Class 54 Rating, Add</i>		675.19	
		<i>For Class 55 Rating, Add</i>		1,007.82	
		<i>For Class 56 Rating, Add</i>		1,336.00	
40 05 19 00-0711	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,217.70	435.47
		<i>For Class 52 Rating, Deduct</i>		-501.37	
		<i>For Class 54 Rating, Add</i>		691.60	
		<i>For Class 55 Rating, Add</i>		1,032.25	
		<i>For Class 56 Rating, Add</i>		1,368.33	
40 05 19 00-0712	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,331.23	438.43
		<i>For Class 52 Rating, Deduct</i>		-513.36	
		<i>For Class 54 Rating, Add</i>		708.01	
		<i>For Class 55 Rating, Add</i>		1,056.67	
		<i>For Class 56 Rating, Add</i>		1,400.66	
40 05 19 00-0713	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,444.78	441.39
		<i>For Class 52 Rating, Deduct</i>		-525.36	
		<i>For Class 54 Rating, Add</i>		724.43	
		<i>For Class 55 Rating, Add</i>		1,081.10	
		<i>For Class 56 Rating, Add</i>		1,433.00	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0714 EA 10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	5,558.33 -537.36 740.84 1,105.53 1,465.33	444.35
<b>40 05 19 00-0715 12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small></b>		
40 05 19 00-0716 EA 12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	1,609.91 -107.97 154.77 233.96 312.17	414.73
40 05 19 00-0717 EA 12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	1,751.66 -123.07 175.41 264.68 352.83	417.70
40 05 19 00-0718 EA 12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	1,893.40 -138.17 196.06 295.40 393.48	420.65
40 05 19 00-0719 EA 12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	2,035.16 -153.27 216.70 326.11 434.14	423.62
40 05 19 00-0720 EA 12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	2,176.91 -168.36 237.34 356.83 474.79	426.58
40 05 19 00-0721 EA 12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	2,318.66 -183.46 257.99 387.55 515.44	429.54
40 05 19 00-0722 EA 12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	2,460.42 -198.56 278.63 418.27 556.10	432.51
40 05 19 00-0723 EA 12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	2,602.17 -213.66 299.27 448.98 596.75	435.47
40 05 19 00-0724 EA 12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	2,743.91 -228.76 319.92 479.70 637.40	438.43
40 05 19 00-0725 EA 12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	2,885.67 -243.86 340.56 510.42 678.06	441.39
40 05 19 00-0726 EA 12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	3,027.42 -258.96 361.20 541.14 718.71	444.35
40 05 19 00-0727 EA 12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	3,169.17 -274.06 381.85 571.85 759.37	447.31

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0728	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,310.93	450.28
		<i>For Class 52 Rating, Deduct</i>		-289.16	
		<i>For Class 54 Rating, Add</i>		402.49	
		<i>For Class 55 Rating, Add</i>		602.57	
		<i>For Class 56 Rating, Add</i>		800.02	
40 05 19 00-0729	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,452.68	453.24
		<i>For Class 52 Rating, Deduct</i>		-304.25	
		<i>For Class 54 Rating, Add</i>		423.13	
		<i>For Class 55 Rating, Add</i>		633.29	
		<i>For Class 56 Rating, Add</i>		840.68	
40 05 19 00-0730	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,594.43	456.20
		<i>For Class 52 Rating, Deduct</i>		-319.35	
		<i>For Class 54 Rating, Add</i>		443.78	
		<i>For Class 55 Rating, Add</i>		664.01	
		<i>For Class 56 Rating, Add</i>		881.33	
40 05 19 00-0731	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,736.18	459.17
		<i>For Class 52 Rating, Deduct</i>		-334.45	
		<i>For Class 54 Rating, Add</i>		464.42	
		<i>For Class 55 Rating, Add</i>		694.72	
		<i>For Class 56 Rating, Add</i>		921.99	
40 05 19 00-0732	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,877.94	462.12
		<i>For Class 52 Rating, Deduct</i>		-349.55	
		<i>For Class 54 Rating, Add</i>		485.06	
		<i>For Class 55 Rating, Add</i>		725.44	
		<i>For Class 56 Rating, Add</i>		962.64	
40 05 19 00-0733	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,019.68	465.09
		<i>For Class 52 Rating, Deduct</i>		-364.65	
		<i>For Class 54 Rating, Add</i>		505.71	
		<i>For Class 55 Rating, Add</i>		756.16	
		<i>For Class 56 Rating, Add</i>		1,003.29	
40 05 19 00-0734	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,161.44	468.06
		<i>For Class 52 Rating, Deduct</i>		-379.75	
		<i>For Class 54 Rating, Add</i>		526.35	
		<i>For Class 55 Rating, Add</i>		786.88	
		<i>For Class 56 Rating, Add</i>		1,043.95	
40 05 19 00-0735	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,303.19	471.01
		<i>For Class 52 Rating, Deduct</i>		-394.85	
		<i>For Class 54 Rating, Add</i>		546.99	
		<i>For Class 55 Rating, Add</i>		817.59	
		<i>For Class 56 Rating, Add</i>		1,084.60	
40 05 19 00-0736	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,444.93	473.98
		<i>For Class 52 Rating, Deduct</i>		-409.95	
		<i>For Class 54 Rating, Add</i>		567.64	
		<i>For Class 55 Rating, Add</i>		848.31	
		<i>For Class 56 Rating, Add</i>		1,125.26	
40 05 19 00-0737	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,586.70	476.94
		<i>For Class 52 Rating, Deduct</i>		-425.05	
		<i>For Class 54 Rating, Add</i>		588.28	
		<i>For Class 55 Rating, Add</i>		879.03	
		<i>For Class 56 Rating, Add</i>		1,165.91	
40 05 19 00-0738	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,728.44	479.90
		<i>For Class 52 Rating, Deduct</i>		-440.15	
		<i>For Class 54 Rating, Add</i>		608.92	
		<i>For Class 55 Rating, Add</i>		909.75	
		<i>For Class 56 Rating, Add</i>		1,206.57	
40 05 19 00-0739	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,870.20	482.86
		<i>For Class 52 Rating, Deduct</i>		-455.24	
		<i>For Class 54 Rating, Add</i>		629.57	
		<i>For Class 55 Rating, Add</i>		940.46	
		<i>For Class 56 Rating, Add</i>		1,247.22	
40 05 19 00-0740	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,011.95	485.83
		<i>For Class 52 Rating, Deduct</i>		-470.34	
		<i>For Class 54 Rating, Add</i>		650.21	
		<i>For Class 55 Rating, Add</i>		971.18	
		<i>For Class 56 Rating, Add</i>		1,287.88	
40 05 19 00-0741	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,153.69	488.79
		<i>For Class 52 Rating, Deduct</i>		-485.44	
		<i>For Class 54 Rating, Add</i>		670.85	
		<i>For Class 55 Rating, Add</i>		1,001.90	
		<i>For Class 56 Rating, Add</i>		1,328.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0742 EA 12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,295.45	491.75
<i>For Class 52 Rating, Deduct</i>	-500.54	
<i>For Class 54 Rating, Add</i>	691.50	
<i>For Class 55 Rating, Add</i>	1,032.61	
<i>For Class 56 Rating, Add</i>	1,369.18	
40 05 19 00-0743 EA 12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,437.20	494.72
<i>For Class 52 Rating, Deduct</i>	-515.64	
<i>For Class 54 Rating, Add</i>	712.14	
<i>For Class 55 Rating, Add</i>	1,063.33	
<i>For Class 56 Rating, Add</i>	1,409.84	
40 05 19 00-0744 EA 12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,578.96	497.67
<i>For Class 52 Rating, Deduct</i>	-530.74	
<i>For Class 54 Rating, Add</i>	732.78	
<i>For Class 55 Rating, Add</i>	1,094.05	
<i>For Class 56 Rating, Add</i>	1,450.49	
40 05 19 00-0745 EA 12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,720.70	500.64
<i>For Class 52 Rating, Deduct</i>	-545.84	
<i>For Class 54 Rating, Add</i>	753.43	
<i>For Class 55 Rating, Add</i>	1,124.77	
<i>For Class 56 Rating, Add</i>	1,491.14	
40 05 19 00-0746 EA 12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,862.46	503.60
<i>For Class 52 Rating, Deduct</i>	-560.94	
<i>For Class 54 Rating, Add</i>	774.07	
<i>For Class 55 Rating, Add</i>	1,155.49	
<i>For Class 56 Rating, Add</i>	1,531.80	
40 05 19 00-0747 EA 12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,004.21	506.56
<i>For Class 52 Rating, Deduct</i>	-576.04	
<i>For Class 54 Rating, Add</i>	794.71	
<i>For Class 55 Rating, Add</i>	1,186.20	
<i>For Class 56 Rating, Add</i>	1,572.45	
40 05 19 00-0748 EA 12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,145.95	509.53
<i>For Class 52 Rating, Deduct</i>	-591.13	
<i>For Class 54 Rating, Add</i>	815.36	
<i>For Class 55 Rating, Add</i>	1,216.92	
<i>For Class 56 Rating, Add</i>	1,613.11	
40 05 19 00-0749 EA 12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,287.72	512.48
<i>For Class 52 Rating, Deduct</i>	-606.23	
<i>For Class 54 Rating, Add</i>	836.00	
<i>For Class 55 Rating, Add</i>	1,247.64	
<i>For Class 56 Rating, Add</i>	1,653.76	
40 05 19 00-0750 EA 12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,429.46	515.45
<i>For Class 52 Rating, Deduct</i>	-621.33	
<i>For Class 54 Rating, Add</i>	856.64	
<i>For Class 55 Rating, Add</i>	1,278.35	
<i>For Class 56 Rating, Add</i>	1,694.42	
40 05 19 00-0751 EA 12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,571.22	518.41
<i>For Class 52 Rating, Deduct</i>	-636.43	
<i>For Class 54 Rating, Add</i>	877.29	
<i>For Class 55 Rating, Add</i>	1,309.07	
<i>For Class 56 Rating, Add</i>	1,735.07	
40 05 19 00-0752 EA 12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,712.97	521.37
<i>For Class 52 Rating, Deduct</i>	-651.53	
<i>For Class 54 Rating, Add</i>	897.93	
<i>For Class 55 Rating, Add</i>	1,339.79	
<i>For Class 56 Rating, Add</i>	1,775.73	
40 05 19 00-0753 EA 12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,854.72	524.34
<i>For Class 52 Rating, Deduct</i>	-666.63	
<i>For Class 54 Rating, Add</i>	918.57	
<i>For Class 55 Rating, Add</i>	1,370.51	
<i>For Class 56 Rating, Add</i>	1,816.38	
40 05 19 00-0754 EA 12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,996.47	527.30
<i>For Class 52 Rating, Deduct</i>	-681.73	
<i>For Class 54 Rating, Add</i>	939.22	
<i>For Class 55 Rating, Add</i>	1,401.22	
<i>For Class 56 Rating, Add</i>	1,857.03	

40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0756	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,220.71	497.67
		<i>For Class 52 Rating, Deduct</i>		-161.33	
		<i>For Class 54 Rating, Add</i>		229.05	
		<i>For Class 55 Rating, Add</i>		345.16	
		<i>For Class 56 Rating, Add</i>		459.81	
40 05 19 00-0757	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,392.54	500.64
		<i>For Class 52 Rating, Deduct</i>		-179.74	
		<i>For Class 54 Rating, Add</i>		254.20	
		<i>For Class 55 Rating, Add</i>		382.59	
		<i>For Class 56 Rating, Add</i>		509.34	
40 05 19 00-0758	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,564.38	503.60
		<i>For Class 52 Rating, Deduct</i>		-198.15	
		<i>For Class 54 Rating, Add</i>		279.36	
		<i>For Class 55 Rating, Add</i>		420.01	
		<i>For Class 56 Rating, Add</i>		558.87	
40 05 19 00-0759	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,736.22	506.56
		<i>For Class 52 Rating, Deduct</i>		-216.56	
		<i>For Class 54 Rating, Add</i>		304.52	
		<i>For Class 55 Rating, Add</i>		457.44	
		<i>For Class 56 Rating, Add</i>		608.40	
40 05 19 00-0760	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,908.04	509.53
		<i>For Class 52 Rating, Deduct</i>		-234.96	
		<i>For Class 54 Rating, Add</i>		329.67	
		<i>For Class 55 Rating, Add</i>		494.86	
		<i>For Class 56 Rating, Add</i>		657.92	
40 05 19 00-0761	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,079.89	512.48
		<i>For Class 52 Rating, Deduct</i>		-253.37	
		<i>For Class 54 Rating, Add</i>		354.83	
		<i>For Class 55 Rating, Add</i>		532.29	
		<i>For Class 56 Rating, Add</i>		707.45	
40 05 19 00-0762	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,251.72	515.45
		<i>For Class 52 Rating, Deduct</i>		-271.78	
		<i>For Class 54 Rating, Add</i>		379.98	
		<i>For Class 55 Rating, Add</i>		569.72	
		<i>For Class 56 Rating, Add</i>		756.98	
40 05 19 00-0763	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,423.57	518.41
		<i>For Class 52 Rating, Deduct</i>		-290.19	
		<i>For Class 54 Rating, Add</i>		405.14	
		<i>For Class 55 Rating, Add</i>		607.15	
		<i>For Class 56 Rating, Add</i>		806.51	
40 05 19 00-0764	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,595.40	521.37
		<i>For Class 52 Rating, Deduct</i>		-308.60	
		<i>For Class 54 Rating, Add</i>		430.30	
		<i>For Class 55 Rating, Add</i>		644.57	
		<i>For Class 56 Rating, Add</i>		856.04	
40 05 19 00-0765	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,767.24	524.34
		<i>For Class 52 Rating, Deduct</i>		-327.01	
		<i>For Class 54 Rating, Add</i>		455.45	
		<i>For Class 55 Rating, Add</i>		682.00	
		<i>For Class 56 Rating, Add</i>		905.57	
40 05 19 00-0766	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,939.07	527.30
		<i>For Class 52 Rating, Deduct</i>		-345.41	
		<i>For Class 54 Rating, Add</i>		480.61	
		<i>For Class 55 Rating, Add</i>		719.42	
		<i>For Class 56 Rating, Add</i>		955.10	
40 05 19 00-0767	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,110.90	530.26
		<i>For Class 52 Rating, Deduct</i>		-363.82	
		<i>For Class 54 Rating, Add</i>		505.76	
		<i>For Class 55 Rating, Add</i>		756.85	
		<i>For Class 56 Rating, Add</i>		1,004.63	
40 05 19 00-0768	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,282.75	533.22
		<i>For Class 52 Rating, Deduct</i>		-382.23	
		<i>For Class 54 Rating, Add</i>		530.92	
		<i>For Class 55 Rating, Add</i>		794.28	
		<i>For Class 56 Rating, Add</i>		1,054.16	
40 05 19 00-0769	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,454.58	536.19
		<i>For Class 52 Rating, Deduct</i>		-400.64	
		<i>For Class 54 Rating, Add</i>		556.08	
		<i>For Class 55 Rating, Add</i>		831.70	
		<i>For Class 56 Rating, Add</i>		1,103.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0770 EA 14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,626.42	539.15
<i>For Class 52 Rating, Deduct</i>	-419.05	
<i>For Class 54 Rating, Add</i>	581.23	
<i>For Class 55 Rating, Add</i>	869.13	
<i>For Class 56 Rating, Add</i>	1,153.22	
40 05 19 00-0771 EA 14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,798.26	542.11
<i>For Class 52 Rating, Deduct</i>	-437.46	
<i>For Class 54 Rating, Add</i>	606.39	
<i>For Class 55 Rating, Add</i>	906.56	
<i>For Class 56 Rating, Add</i>	1,202.75	
40 05 19 00-0772 EA 14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,970.10	545.08
<i>For Class 52 Rating, Deduct</i>	-455.87	
<i>For Class 54 Rating, Add</i>	631.54	
<i>For Class 55 Rating, Add</i>	943.98	
<i>For Class 56 Rating, Add</i>	1,252.28	
40 05 19 00-0773 EA 14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,141.93	548.03
<i>For Class 52 Rating, Deduct</i>	-474.27	
<i>For Class 54 Rating, Add</i>	656.70	
<i>For Class 55 Rating, Add</i>	981.41	
<i>For Class 56 Rating, Add</i>	1,301.81	
40 05 19 00-0774 EA 14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,313.76	551.00
<i>For Class 52 Rating, Deduct</i>	-492.68	
<i>For Class 54 Rating, Add</i>	681.86	
<i>For Class 55 Rating, Add</i>	1,018.84	
<i>For Class 56 Rating, Add</i>	1,351.34	
40 05 19 00-0775 EA 14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,485.60	553.96
<i>For Class 52 Rating, Deduct</i>	-511.09	
<i>For Class 54 Rating, Add</i>	707.01	
<i>For Class 55 Rating, Add</i>	1,056.26	
<i>For Class 56 Rating, Add</i>	1,400.87	
40 05 19 00-0776 EA 14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,657.44	556.92
<i>For Class 52 Rating, Deduct</i>	-529.50	
<i>For Class 54 Rating, Add</i>	732.17	
<i>For Class 55 Rating, Add</i>	1,093.69	
<i>For Class 56 Rating, Add</i>	1,450.40	
40 05 19 00-0777 EA 14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,829.28	559.89
<i>For Class 52 Rating, Deduct</i>	-547.91	
<i>For Class 54 Rating, Add</i>	757.33	
<i>For Class 55 Rating, Add</i>	1,131.12	
<i>For Class 56 Rating, Add</i>	1,499.93	
40 05 19 00-0778 EA 14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,001.12	562.84
<i>For Class 52 Rating, Deduct</i>	-566.32	
<i>For Class 54 Rating, Add</i>	782.48	
<i>For Class 55 Rating, Add</i>	1,168.54	
<i>For Class 56 Rating, Add</i>	1,549.46	
40 05 19 00-0779 EA 14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,172.95	565.81
<i>For Class 52 Rating, Deduct</i>	-584.72	
<i>For Class 54 Rating, Add</i>	807.64	
<i>For Class 55 Rating, Add</i>	1,205.97	
<i>For Class 56 Rating, Add</i>	1,598.98	
40 05 19 00-0780 EA 14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,344.78	568.77
<i>For Class 52 Rating, Deduct</i>	-603.13	
<i>For Class 54 Rating, Add</i>	832.79	
<i>For Class 55 Rating, Add</i>	1,243.39	
<i>For Class 56 Rating, Add</i>	1,648.51	
40 05 19 00-0781 EA 14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,516.63	571.73
<i>For Class 52 Rating, Deduct</i>	-621.54	
<i>For Class 54 Rating, Add</i>	857.95	
<i>For Class 55 Rating, Add</i>	1,280.82	
<i>For Class 56 Rating, Add</i>	1,698.04	
40 05 19 00-0782 EA 14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,688.46	574.70
<i>For Class 52 Rating, Deduct</i>	-639.95	
<i>For Class 54 Rating, Add</i>	883.11	
<i>For Class 55 Rating, Add</i>	1,318.25	
<i>For Class 56 Rating, Add</i>	1,747.57	
40 05 19 00-0783 EA 14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,860.30	577.66
<i>For Class 52 Rating, Deduct</i>	-658.36	
<i>For Class 54 Rating, Add</i>	908.26	
<i>For Class 55 Rating, Add</i>	1,355.67	
<i>For Class 56 Rating, Add</i>	1,797.10	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0784	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,032.14	580.62
		<i>For Class 52 Rating, Deduct</i>	-676.77	
		<i>For Class 54 Rating, Add</i>	933.42	
		<i>For Class 55 Rating, Add</i>	1,393.10	
		<i>For Class 56 Rating, Add</i>	1,846.63	
40 05 19 00-0785	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,203.98	583.58
		<i>For Class 52 Rating, Deduct</i>	-695.17	
		<i>For Class 54 Rating, Add</i>	958.57	
		<i>For Class 55 Rating, Add</i>	1,430.53	
		<i>For Class 56 Rating, Add</i>	1,896.16	
40 05 19 00-0786	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,375.81	586.55
		<i>For Class 52 Rating, Deduct</i>	-713.58	
		<i>For Class 54 Rating, Add</i>	983.73	
		<i>For Class 55 Rating, Add</i>	1,467.95	
		<i>For Class 56 Rating, Add</i>	1,945.69	
40 05 19 00-0787	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,547.64	589.51
		<i>For Class 52 Rating, Deduct</i>	-731.99	
		<i>For Class 54 Rating, Add</i>	1,008.89	
		<i>For Class 55 Rating, Add</i>	1,505.38	
		<i>For Class 56 Rating, Add</i>	1,995.22	
40 05 19 00-0788	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,719.49	592.47
		<i>For Class 52 Rating, Deduct</i>	-750.40	
		<i>For Class 54 Rating, Add</i>	1,034.04	
		<i>For Class 55 Rating, Add</i>	1,542.81	
		<i>For Class 56 Rating, Add</i>	2,044.75	
40 05 19 00-0789	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,891.32	595.44
		<i>For Class 52 Rating, Deduct</i>	-768.81	
		<i>For Class 54 Rating, Add</i>	1,059.20	
		<i>For Class 55 Rating, Add</i>	1,580.23	
		<i>For Class 56 Rating, Add</i>	2,094.28	
40 05 19 00-0790	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,063.16	598.39
		<i>For Class 52 Rating, Deduct</i>	-787.22	
		<i>For Class 54 Rating, Add</i>	1,084.35	
		<i>For Class 55 Rating, Add</i>	1,617.66	
		<i>For Class 56 Rating, Add</i>	2,143.81	
40 05 19 00-0791	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,235.00	601.36
		<i>For Class 52 Rating, Deduct</i>	-805.62	
		<i>For Class 54 Rating, Add</i>	1,109.51	
		<i>For Class 55 Rating, Add</i>	1,655.09	
		<i>For Class 56 Rating, Add</i>	2,193.34	
40 05 19 00-0792	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,406.82	604.32
		<i>For Class 52 Rating, Deduct</i>	-824.03	
		<i>For Class 54 Rating, Add</i>	1,134.67	
		<i>For Class 55 Rating, Add</i>	1,692.51	
		<i>For Class 56 Rating, Add</i>	2,242.86	
40 05 19 00-0793	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,578.67	607.28
		<i>For Class 52 Rating, Deduct</i>	-842.44	
		<i>For Class 54 Rating, Add</i>	1,159.82	
		<i>For Class 55 Rating, Add</i>	1,729.94	
		<i>For Class 56 Rating, Add</i>	2,292.39	

**40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe**

(40 05 19 00-0554)

40 05 19 00-0795	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,597.31	568.77
		<i>For Class 52 Rating, Deduct</i>	-190.91	
		<i>For Class 54 Rating, Add</i>	270.67	
		<i>For Class 55 Rating, Add</i>	407.71	
		<i>For Class 56 Rating, Add</i>	543.01	
40 05 19 00-0796	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,797.36	571.73
		<i>For Class 52 Rating, Deduct</i>	-212.42	
		<i>For Class 54 Rating, Add</i>	300.06	
		<i>For Class 55 Rating, Add</i>	451.42	
		<i>For Class 56 Rating, Add</i>	600.86	
40 05 19 00-0797	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,997.39	574.70
		<i>For Class 52 Rating, Deduct</i>	-233.93	
		<i>For Class 54 Rating, Add</i>	329.45	
		<i>For Class 55 Rating, Add</i>	495.14	
		<i>For Class 56 Rating, Add</i>	658.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0798 EA 16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,197.44	577.66
<i>For Class 52 Rating, Deduct</i>	-255.44	
<i>For Class 54 Rating, Add</i>	358.83	
<i>For Class 55 Rating, Add</i>	538.86	
<i>For Class 56 Rating, Add</i>	716.56	
40 05 19 00-0799 EA 16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,397.48	580.62
<i>For Class 52 Rating, Deduct</i>	-276.95	
<i>For Class 54 Rating, Add</i>	388.22	
<i>For Class 55 Rating, Add</i>	582.57	
<i>For Class 56 Rating, Add</i>	774.41	
40 05 19 00-0800 EA 16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,597.52	583.58
<i>For Class 52 Rating, Deduct</i>	-298.46	
<i>For Class 54 Rating, Add</i>	417.61	
<i>For Class 55 Rating, Add</i>	626.29	
<i>For Class 56 Rating, Add</i>	832.26	
40 05 19 00-0801 EA 16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,797.57	586.55
<i>For Class 52 Rating, Deduct</i>	-319.97	
<i>For Class 54 Rating, Add</i>	446.99	
<i>For Class 55 Rating, Add</i>	670.00	
<i>For Class 56 Rating, Add</i>	890.11	
40 05 19 00-0802 EA 16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,997.60	589.51
<i>For Class 52 Rating, Deduct</i>	-341.49	
<i>For Class 54 Rating, Add</i>	476.38	
<i>For Class 55 Rating, Add</i>	713.72	
<i>For Class 56 Rating, Add</i>	947.96	
40 05 19 00-0803 EA 16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,197.65	592.47
<i>For Class 52 Rating, Deduct</i>	-363.00	
<i>For Class 54 Rating, Add</i>	505.77	
<i>For Class 55 Rating, Add</i>	757.44	
<i>For Class 56 Rating, Add</i>	1,005.81	
40 05 19 00-0804 EA 16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,378.88	595.44
<i>For Class 52 Rating, Deduct</i>	-382.44	
<i>For Class 54 Rating, Add</i>	532.33	
<i>For Class 55 Rating, Add</i>	796.96	
<i>For Class 56 Rating, Add</i>	1,058.11	
40 05 19 00-0805 EA 16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,597.73	598.39
<i>For Class 52 Rating, Deduct</i>	-406.02	
<i>For Class 54 Rating, Add</i>	564.54	
<i>For Class 55 Rating, Add</i>	844.87	
<i>For Class 56 Rating, Add</i>	1,121.51	
40 05 19 00-0806 EA 16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,797.77	601.36
<i>For Class 52 Rating, Deduct</i>	-427.53	
<i>For Class 54 Rating, Add</i>	593.93	
<i>For Class 55 Rating, Add</i>	888.58	
<i>For Class 56 Rating, Add</i>	1,179.35	
40 05 19 00-0807 EA 16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,997.80	604.32
<i>For Class 52 Rating, Deduct</i>	-449.04	
<i>For Class 54 Rating, Add</i>	623.31	
<i>For Class 55 Rating, Add</i>	932.30	
<i>For Class 56 Rating, Add</i>	1,237.20	
40 05 19 00-0808 EA 16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,197.86	607.28
<i>For Class 52 Rating, Deduct</i>	-470.55	
<i>For Class 54 Rating, Add</i>	652.70	
<i>For Class 55 Rating, Add</i>	976.02	
<i>For Class 56 Rating, Add</i>	1,295.06	
40 05 19 00-0809 EA 16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,397.89	610.25
<i>For Class 52 Rating, Deduct</i>	-492.06	
<i>For Class 54 Rating, Add</i>	682.09	
<i>For Class 55 Rating, Add</i>	1,019.73	
<i>For Class 56 Rating, Add</i>	1,352.90	
40 05 19 00-0810 EA 16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,597.94	613.20
<i>For Class 52 Rating, Deduct</i>	-513.57	
<i>For Class 54 Rating, Add</i>	711.47	
<i>For Class 55 Rating, Add</i>	1,063.45	
<i>For Class 56 Rating, Add</i>	1,410.75	
40 05 19 00-0811 EA 16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,797.98	616.17
<i>For Class 52 Rating, Deduct</i>	-535.08	
<i>For Class 54 Rating, Add</i>	740.86	
<i>For Class 55 Rating, Add</i>	1,107.17	
<i>For Class 56 Rating, Add</i>	1,468.60	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0812	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,998.01	619.13
		<i>For Class 52 Rating, Deduct</i>		-556.59	
		<i>For Class 54 Rating, Add</i>		770.25	
		<i>For Class 55 Rating, Add</i>		1,150.88	
		<i>For Class 56 Rating, Add</i>		1,526.45	
40 05 19 00-0813	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,198.06	622.09
		<i>For Class 52 Rating, Deduct</i>		-578.10	
		<i>For Class 54 Rating, Add</i>		799.63	
		<i>For Class 55 Rating, Add</i>		1,194.60	
		<i>For Class 56 Rating, Add</i>		1,584.30	
40 05 19 00-0814	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,398.10	625.06
		<i>For Class 52 Rating, Deduct</i>		-599.62	
		<i>For Class 54 Rating, Add</i>		829.02	
		<i>For Class 55 Rating, Add</i>		1,238.31	
		<i>For Class 56 Rating, Add</i>		1,642.15	
40 05 19 00-0815	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,598.15	628.02
		<i>For Class 52 Rating, Deduct</i>		-621.13	
		<i>For Class 54 Rating, Add</i>		858.41	
		<i>For Class 55 Rating, Add</i>		1,282.03	
		<i>For Class 56 Rating, Add</i>		1,700.00	
40 05 19 00-0816	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,798.18	630.98
		<i>For Class 52 Rating, Deduct</i>		-642.64	
		<i>For Class 54 Rating, Add</i>		887.79	
		<i>For Class 55 Rating, Add</i>		1,325.74	
		<i>For Class 56 Rating, Add</i>		1,757.85	
40 05 19 00-0817	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,998.23	633.94
		<i>For Class 52 Rating, Deduct</i>		-664.15	
		<i>For Class 54 Rating, Add</i>		917.18	
		<i>For Class 55 Rating, Add</i>		1,369.46	
		<i>For Class 56 Rating, Add</i>		1,815.70	
40 05 19 00-0818	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,198.27	636.91
		<i>For Class 52 Rating, Deduct</i>		-685.66	
		<i>For Class 54 Rating, Add</i>		946.57	
		<i>For Class 55 Rating, Add</i>		1,413.18	
		<i>For Class 56 Rating, Add</i>		1,873.55	
40 05 19 00-0819	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,398.30	639.86
		<i>For Class 52 Rating, Deduct</i>		-707.17	
		<i>For Class 54 Rating, Add</i>		975.96	
		<i>For Class 55 Rating, Add</i>		1,456.89	
		<i>For Class 56 Rating, Add</i>		1,931.40	
40 05 19 00-0820	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,598.36	642.83
		<i>For Class 52 Rating, Deduct</i>		-728.68	
		<i>For Class 54 Rating, Add</i>		1,005.34	
		<i>For Class 55 Rating, Add</i>		1,500.61	
		<i>For Class 56 Rating, Add</i>		1,989.25	
40 05 19 00-0821	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,798.39	645.80
		<i>For Class 52 Rating, Deduct</i>		-750.19	
		<i>For Class 54 Rating, Add</i>		1,034.73	
		<i>For Class 55 Rating, Add</i>		1,544.33	
		<i>For Class 56 Rating, Add</i>		2,047.10	
40 05 19 00-0822	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,998.43	648.75
		<i>For Class 52 Rating, Deduct</i>		-771.70	
		<i>For Class 54 Rating, Add</i>		1,064.12	
		<i>For Class 55 Rating, Add</i>		1,588.04	
		<i>For Class 56 Rating, Add</i>		2,104.95	
40 05 19 00-0823	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,198.48	651.72
		<i>For Class 52 Rating, Deduct</i>		-793.21	
		<i>For Class 54 Rating, Add</i>		1,093.50	
		<i>For Class 55 Rating, Add</i>		1,631.76	
		<i>For Class 56 Rating, Add</i>		2,162.80	
40 05 19 00-0824	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,398.52	654.68
		<i>For Class 52 Rating, Deduct</i>		-814.72	
		<i>For Class 54 Rating, Add</i>		1,122.89	
		<i>For Class 55 Rating, Add</i>		1,675.47	
		<i>For Class 56 Rating, Add</i>		2,220.65	
40 05 19 00-0825	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,598.56	657.64
		<i>For Class 52 Rating, Deduct</i>		-836.23	
		<i>For Class 54 Rating, Add</i>		1,152.28	
		<i>For Class 55 Rating, Add</i>		1,719.19	
		<i>For Class 56 Rating, Add</i>		2,278.50	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0826 EA 16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,798.61	660.61
For Class 52 Rating, Deduct	-857.75	
For Class 54 Rating, Add	1,181.66	
For Class 55 Rating, Add	1,762.91	
For Class 56 Rating, Add	2,336.35	
40 05 19 00-0827 EA 16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,998.65	663.57
For Class 52 Rating, Deduct	-879.26	
For Class 54 Rating, Add	1,211.05	
For Class 55 Rating, Add	1,806.62	
For Class 56 Rating, Add	2,394.20	
40 05 19 00-0828 EA 16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,198.68	666.53
For Class 52 Rating, Deduct	-900.77	
For Class 54 Rating, Add	1,240.44	
For Class 55 Rating, Add	1,850.34	
For Class 56 Rating, Add	2,452.05	
40 05 19 00-0829 EA 16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,398.73	669.49
For Class 52 Rating, Deduct	-922.28	
For Class 54 Rating, Add	1,269.83	
For Class 55 Rating, Add	1,894.06	
For Class 56 Rating, Add	2,509.90	
40 05 19 00-0830 EA 16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,598.77	672.45
For Class 52 Rating, Deduct	-943.79	
For Class 54 Rating, Add	1,299.21	
For Class 55 Rating, Add	1,937.77	
For Class 56 Rating, Add	2,567.75	
40 05 19 00-0831 EA 16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,798.81	675.42
For Class 52 Rating, Deduct	-965.30	
For Class 54 Rating, Add	1,328.60	
For Class 55 Rating, Add	1,981.49	
For Class 56 Rating, Add	2,625.60	
40 05 19 00-0832 EA 16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,998.86	678.38
For Class 52 Rating, Deduct	-986.81	
For Class 54 Rating, Add	1,357.99	
For Class 55 Rating, Add	2,025.20	
For Class 56 Rating, Add	2,683.45	

**40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe** (40 05 19 00-0554)

40 05 19 00-0834 EA 18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,030.25	641.06
For Class 52 Rating, Deduct	-226.48	
For Class 54 Rating, Add	320.50	
For Class 55 Rating, Add	482.46	
For Class 56 Rating, Add	642.36	
40 05 19 00-0835 EA 18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,260.37	644.02
For Class 52 Rating, Deduct	-251.30	
For Class 54 Rating, Add	354.40	
For Class 55 Rating, Add	532.88	
For Class 56 Rating, Add	709.08	
40 05 19 00-0836 EA 18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,490.50	646.98
For Class 52 Rating, Deduct	-276.13	
For Class 54 Rating, Add	388.30	
For Class 55 Rating, Add	583.31	
For Class 56 Rating, Add	775.81	
40 05 19 00-0837 EA 18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,720.63	649.95
For Class 52 Rating, Deduct	-300.95	
For Class 54 Rating, Add	422.20	
For Class 55 Rating, Add	633.73	
For Class 56 Rating, Add	842.53	
40 05 19 00-0838 EA 18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,950.74	652.91
For Class 52 Rating, Deduct	-325.77	
For Class 54 Rating, Add	456.10	
For Class 55 Rating, Add	684.16	
For Class 56 Rating, Add	909.26	
40 05 19 00-0839 EA 18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,180.88	655.87
For Class 52 Rating, Deduct	-350.59	
For Class 54 Rating, Add	490.00	
For Class 55 Rating, Add	734.58	
For Class 56 Rating, Add	975.98	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0840	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,411.00	658.83
		<i>For Class 52 Rating, Deduct</i>	-375.41	
		<i>For Class 54 Rating, Add</i>	523.90	
		<i>For Class 55 Rating, Add</i>	785.01	
		<i>For Class 56 Rating, Add</i>	1,042.71	
40 05 19 00-0841	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,641.13	661.79
		<i>For Class 52 Rating, Deduct</i>	-400.23	
		<i>For Class 54 Rating, Add</i>	557.80	
		<i>For Class 55 Rating, Add</i>	835.43	
		<i>For Class 56 Rating, Add</i>	1,109.43	
40 05 19 00-0842	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,871.26	664.76
		<i>For Class 52 Rating, Deduct</i>	-425.05	
		<i>For Class 54 Rating, Add</i>	591.70	
		<i>For Class 55 Rating, Add</i>	885.86	
		<i>For Class 56 Rating, Add</i>	1,176.16	
40 05 19 00-0843	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,101.39	667.71
		<i>For Class 52 Rating, Deduct</i>	-449.87	
		<i>For Class 54 Rating, Add</i>	625.60	
		<i>For Class 55 Rating, Add</i>	936.28	
		<i>For Class 56 Rating, Add</i>	1,242.88	
40 05 19 00-0844	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,331.51	670.68
		<i>For Class 52 Rating, Deduct</i>	-474.69	
		<i>For Class 54 Rating, Add</i>	659.49	
		<i>For Class 55 Rating, Add</i>	986.71	
		<i>For Class 56 Rating, Add</i>	1,309.60	
40 05 19 00-0845	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,561.63	673.65
		<i>For Class 52 Rating, Deduct</i>	-499.51	
		<i>For Class 54 Rating, Add</i>	693.39	
		<i>For Class 55 Rating, Add</i>	1,037.13	
		<i>For Class 56 Rating, Add</i>	1,376.33	
40 05 19 00-0846	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,791.77	676.60
		<i>For Class 52 Rating, Deduct</i>	-524.33	
		<i>For Class 54 Rating, Add</i>	727.29	
		<i>For Class 55 Rating, Add</i>	1,087.56	
		<i>For Class 56 Rating, Add</i>	1,443.06	
40 05 19 00-0847	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,021.89	679.57
		<i>For Class 52 Rating, Deduct</i>	-549.15	
		<i>For Class 54 Rating, Add</i>	761.19	
		<i>For Class 55 Rating, Add</i>	1,137.98	
		<i>For Class 56 Rating, Add</i>	1,509.78	
40 05 19 00-0848	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,252.02	682.53
		<i>For Class 52 Rating, Deduct</i>	-573.97	
		<i>For Class 54 Rating, Add</i>	795.09	
		<i>For Class 55 Rating, Add</i>	1,188.41	
		<i>For Class 56 Rating, Add</i>	1,576.51	
40 05 19 00-0849	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,482.15	685.49
		<i>For Class 52 Rating, Deduct</i>	-598.79	
		<i>For Class 54 Rating, Add</i>	828.99	
		<i>For Class 55 Rating, Add</i>	1,238.83	
		<i>For Class 56 Rating, Add</i>	1,643.23	
40 05 19 00-0850	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,712.27	688.46
		<i>For Class 52 Rating, Deduct</i>	-623.61	
		<i>For Class 54 Rating, Add</i>	862.89	
		<i>For Class 55 Rating, Add</i>	1,289.26	
		<i>For Class 56 Rating, Add</i>	1,709.95	
40 05 19 00-0851	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,942.40	691.42
		<i>For Class 52 Rating, Deduct</i>	-648.43	
		<i>For Class 54 Rating, Add</i>	896.79	
		<i>For Class 55 Rating, Add</i>	1,339.68	
		<i>For Class 56 Rating, Add</i>	1,776.68	
40 05 19 00-0852	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,172.52	694.38
		<i>For Class 52 Rating, Deduct</i>	-673.25	
		<i>For Class 54 Rating, Add</i>	930.69	
		<i>For Class 55 Rating, Add</i>	1,390.11	
		<i>For Class 56 Rating, Add</i>	1,843.40	
40 05 19 00-0853	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,402.65	697.34
		<i>For Class 52 Rating, Deduct</i>	-698.07	
		<i>For Class 54 Rating, Add</i>	964.59	
		<i>For Class 55 Rating, Add</i>	1,440.53	
		<i>For Class 56 Rating, Add</i>	1,910.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0854 EA 18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,632.78	700.31
For Class 52 Rating, Deduct	-722.89	
For Class 54 Rating, Add	998.49	
For Class 55 Rating, Add	1,490.96	
For Class 56 Rating, Add	1,976.86	
40 05 19 00-0855 EA 18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,862.91	703.26
For Class 52 Rating, Deduct	-747.71	
For Class 54 Rating, Add	1,032.39	
For Class 55 Rating, Add	1,541.38	
For Class 56 Rating, Add	2,043.58	
40 05 19 00-0856 EA 18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,093.04	706.23
For Class 52 Rating, Deduct	-772.53	
For Class 54 Rating, Add	1,066.29	
For Class 55 Rating, Add	1,591.81	
For Class 56 Rating, Add	2,110.31	
40 05 19 00-0857 EA 18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,323.16	709.20
For Class 52 Rating, Deduct	-797.35	
For Class 54 Rating, Add	1,100.19	
For Class 55 Rating, Add	1,642.23	
For Class 56 Rating, Add	2,177.03	
40 05 19 00-0858 EA 18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,553.28	712.15
For Class 52 Rating, Deduct	-822.17	
For Class 54 Rating, Add	1,134.09	
For Class 55 Rating, Add	1,692.66	
For Class 56 Rating, Add	2,243.75	
40 05 19 00-0859 EA 18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,783.41	715.12
For Class 52 Rating, Deduct	-846.99	
For Class 54 Rating, Add	1,167.99	
For Class 55 Rating, Add	1,743.08	
For Class 56 Rating, Add	2,310.48	
40 05 19 00-0860 EA 18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,013.54	718.07
For Class 52 Rating, Deduct	-871.81	
For Class 54 Rating, Add	1,201.89	
For Class 55 Rating, Add	1,793.51	
For Class 56 Rating, Add	2,377.20	
40 05 19 00-0861 EA 18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,243.67	721.04
For Class 52 Rating, Deduct	-896.63	
For Class 54 Rating, Add	1,235.79	
For Class 55 Rating, Add	1,843.93	
For Class 56 Rating, Add	2,443.93	
40 05 19 00-0862 EA 18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,473.80	724.01
For Class 52 Rating, Deduct	-921.45	
For Class 54 Rating, Add	1,269.69	
For Class 55 Rating, Add	1,894.36	
For Class 56 Rating, Add	2,510.66	
40 05 19 00-0863 EA 18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,703.91	726.96
For Class 52 Rating, Deduct	-946.27	
For Class 54 Rating, Add	1,303.59	
For Class 55 Rating, Add	1,944.78	
For Class 56 Rating, Add	2,577.38	
40 05 19 00-0864 EA 18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,934.05	729.93
For Class 52 Rating, Deduct	-971.09	
For Class 54 Rating, Add	1,337.49	
For Class 55 Rating, Add	1,995.21	
For Class 56 Rating, Add	2,644.10	
40 05 19 00-0865 EA 18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,164.17	732.89
For Class 52 Rating, Deduct	-995.91	
For Class 54 Rating, Add	1,371.39	
For Class 55 Rating, Add	2,045.63	
For Class 56 Rating, Add	2,710.83	
40 05 19 00-0866 EA 18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,394.31	735.85
For Class 52 Rating, Deduct	-1,020.73	
For Class 54 Rating, Add	1,405.29	
For Class 55 Rating, Add	2,096.06	
For Class 56 Rating, Add	2,777.55	
40 05 19 00-0867 EA 18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,624.43	738.82
For Class 52 Rating, Deduct	-1,045.55	
For Class 54 Rating, Add	1,439.19	
For Class 55 Rating, Add	2,146.49	
For Class 56 Rating, Add	2,844.28	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0868	EA		18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,854.56	741.78
			<i>For Class 52 Rating, Deduct</i>	-1,070.37	
			<i>For Class 54 Rating, Add</i>	1,473.09	
			<i>For Class 55 Rating, Add</i>	2,196.91	
			<i>For Class 56 Rating, Add</i>	2,911.01	
40 05 19 00-0869	EA		18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,084.68	744.74
			<i>For Class 52 Rating, Deduct</i>	-1,095.19	
			<i>For Class 54 Rating, Add</i>	1,506.98	
			<i>For Class 55 Rating, Add</i>	2,247.33	
			<i>For Class 56 Rating, Add</i>	2,977.73	
40 05 19 00-0870	EA		18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,314.80	747.70
			<i>For Class 52 Rating, Deduct</i>	-1,120.01	
			<i>For Class 54 Rating, Add</i>	1,540.88	
			<i>For Class 55 Rating, Add</i>	2,297.76	
			<i>For Class 56 Rating, Add</i>	3,044.45	
40 05 19 00-0871	EA		18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,544.94	750.67
			<i>For Class 52 Rating, Deduct</i>	-1,144.83	
			<i>For Class 54 Rating, Add</i>	1,574.78	
			<i>For Class 55 Rating, Add</i>	2,348.18	
			<i>For Class 56 Rating, Add</i>	3,111.18	
40 05 19 00-0872			<b>20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0873	EA		20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,513.57	731.70
			<i>For Class 52 Rating, Deduct</i>	-264.54	
			<i>For Class 54 Rating, Add</i>	374.04	
			<i>For Class 55 Rating, Add</i>	562.91	
			<i>For Class 56 Rating, Add</i>	749.37	
40 05 19 00-0874	EA		20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,777.53	734.66
			<i>For Class 52 Rating, Deduct</i>	-293.09	
			<i>For Class 54 Rating, Add</i>	413.02	
			<i>For Class 55 Rating, Add</i>	620.88	
			<i>For Class 56 Rating, Add</i>	826.07	
40 05 19 00-0875	EA		20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,041.52	737.63
			<i>For Class 52 Rating, Deduct</i>	-321.63	
			<i>For Class 54 Rating, Add</i>	452.00	
			<i>For Class 55 Rating, Add</i>	678.85	
			<i>For Class 56 Rating, Add</i>	902.78	
40 05 19 00-0876	EA		20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,305.48	740.58
			<i>For Class 52 Rating, Deduct</i>	-350.17	
			<i>For Class 54 Rating, Add</i>	490.97	
			<i>For Class 55 Rating, Add</i>	736.82	
			<i>For Class 56 Rating, Add</i>	979.49	
40 05 19 00-0877	EA		20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,569.47	743.55
			<i>For Class 52 Rating, Deduct</i>	-378.72	
			<i>For Class 54 Rating, Add</i>	529.95	
			<i>For Class 55 Rating, Add</i>	794.80	
			<i>For Class 56 Rating, Add</i>	1,056.20	
40 05 19 00-0878	EA		20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,833.43	746.52
			<i>For Class 52 Rating, Deduct</i>	-407.26	
			<i>For Class 54 Rating, Add</i>	568.93	
			<i>For Class 55 Rating, Add</i>	852.77	
			<i>For Class 56 Rating, Add</i>	1,132.91	
40 05 19 00-0879	EA		20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,097.39	749.47
			<i>For Class 52 Rating, Deduct</i>	-435.80	
			<i>For Class 54 Rating, Add</i>	607.90	
			<i>For Class 55 Rating, Add</i>	910.74	
			<i>For Class 56 Rating, Add</i>	1,209.62	
40 05 19 00-0880	EA		20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,361.38	752.44
			<i>For Class 52 Rating, Deduct</i>	-464.35	
			<i>For Class 54 Rating, Add</i>	646.88	
			<i>For Class 55 Rating, Add</i>	968.72	
			<i>For Class 56 Rating, Add</i>	1,286.33	
40 05 19 00-0881	EA		20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,625.34	755.40
			<i>For Class 52 Rating, Deduct</i>	-492.89	
			<i>For Class 54 Rating, Add</i>	685.85	
			<i>For Class 55 Rating, Add</i>	1,026.69	
			<i>For Class 56 Rating, Add</i>	1,363.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0882 EA 20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,889.33	758.36
<i>For Class 52 Rating, Deduct</i>	-521.43	
<i>For Class 54 Rating, Add</i>	724.83	
<i>For Class 55 Rating, Add</i>	1,084.66	
<i>For Class 56 Rating, Add</i>	1,439.75	
40 05 19 00-0883 EA 20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,153.29	761.33
<i>For Class 52 Rating, Deduct</i>	-549.97	
<i>For Class 54 Rating, Add</i>	763.81	
<i>For Class 55 Rating, Add</i>	1,142.63	
<i>For Class 56 Rating, Add</i>	1,516.46	
40 05 19 00-0884 EA 20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,417.27	764.29
<i>For Class 52 Rating, Deduct</i>	-578.52	
<i>For Class 54 Rating, Add</i>	802.79	
<i>For Class 55 Rating, Add</i>	1,200.61	
<i>For Class 56 Rating, Add</i>	1,593.17	
40 05 19 00-0885 EA 20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,681.24	767.25
<i>For Class 52 Rating, Deduct</i>	-607.06	
<i>For Class 54 Rating, Add</i>	841.76	
<i>For Class 55 Rating, Add</i>	1,258.58	
<i>For Class 56 Rating, Add</i>	1,669.88	
40 05 19 00-0886 EA 20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,945.21	770.21
<i>For Class 52 Rating, Deduct</i>	-635.60	
<i>For Class 54 Rating, Add</i>	880.74	
<i>For Class 55 Rating, Add</i>	1,316.55	
<i>For Class 56 Rating, Add</i>	1,746.59	
40 05 19 00-0887 EA 20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,209.19	773.18
<i>For Class 52 Rating, Deduct</i>	-664.15	
<i>For Class 54 Rating, Add</i>	919.71	
<i>For Class 55 Rating, Add</i>	1,374.52	
<i>For Class 56 Rating, Add</i>	1,823.30	
40 05 19 00-0888 EA 20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,473.15	776.13
<i>For Class 52 Rating, Deduct</i>	-692.69	
<i>For Class 54 Rating, Add</i>	958.69	
<i>For Class 55 Rating, Add</i>	1,432.50	
<i>For Class 56 Rating, Add</i>	1,900.01	
40 05 19 00-0889 EA 20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,737.13	779.10
<i>For Class 52 Rating, Deduct</i>	-721.23	
<i>For Class 54 Rating, Add</i>	997.67	
<i>For Class 55 Rating, Add</i>	1,490.47	
<i>For Class 56 Rating, Add</i>	1,976.72	
40 05 19 00-0890 EA 20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,001.10	782.07
<i>For Class 52 Rating, Deduct</i>	-749.78	
<i>For Class 54 Rating, Add</i>	1,036.64	
<i>For Class 55 Rating, Add</i>	1,548.44	
<i>For Class 56 Rating, Add</i>	2,053.43	
40 05 19 00-0891 EA 20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,265.07	785.02
<i>For Class 52 Rating, Deduct</i>	-778.32	
<i>For Class 54 Rating, Add</i>	1,075.62	
<i>For Class 55 Rating, Add</i>	1,606.41	
<i>For Class 56 Rating, Add</i>	2,130.13	
40 05 19 00-0892 EA 20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,529.05	787.99
<i>For Class 52 Rating, Deduct</i>	-806.86	
<i>For Class 54 Rating, Add</i>	1,114.60	
<i>For Class 55 Rating, Add</i>	1,664.39	
<i>For Class 56 Rating, Add</i>	2,206.84	
40 05 19 00-0893 EA 20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,793.02	790.94
<i>For Class 52 Rating, Deduct</i>	-835.41	
<i>For Class 54 Rating, Add</i>	1,153.57	
<i>For Class 55 Rating, Add</i>	1,722.36	
<i>For Class 56 Rating, Add</i>	2,283.55	
40 05 19 00-0894 EA 20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,057.00	793.91
<i>For Class 52 Rating, Deduct</i>	-863.95	
<i>For Class 54 Rating, Add</i>	1,192.55	
<i>For Class 55 Rating, Add</i>	1,780.33	
<i>For Class 56 Rating, Add</i>	2,360.26	
40 05 19 00-0895 EA 20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,320.96	796.88
<i>For Class 52 Rating, Deduct</i>	-892.49	
<i>For Class 54 Rating, Add</i>	1,231.53	
<i>For Class 55 Rating, Add</i>	1,838.31	
<i>For Class 56 Rating, Add</i>	2,436.97	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0896	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,584.93	799.83
		<i>For Class 52 Rating, Deduct</i>	-921.04	
		<i>For Class 54 Rating, Add</i>	1,270.50	
		<i>For Class 55 Rating, Add</i>	1,896.28	
		<i>For Class 56 Rating, Add</i>	2,513.68	
40 05 19 00-0897	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,848.91	802.80
		<i>For Class 52 Rating, Deduct</i>	-949.58	
		<i>For Class 54 Rating, Add</i>	1,309.48	
		<i>For Class 55 Rating, Add</i>	1,954.25	
		<i>For Class 56 Rating, Add</i>	2,590.39	
40 05 19 00-0898	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,112.88	805.76
		<i>For Class 52 Rating, Deduct</i>	-978.12	
		<i>For Class 54 Rating, Add</i>	1,348.45	
		<i>For Class 55 Rating, Add</i>	2,012.22	
		<i>For Class 56 Rating, Add</i>	2,667.10	
40 05 19 00-0899	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,376.86	808.72
		<i>For Class 52 Rating, Deduct</i>	-1,006.67	
		<i>For Class 54 Rating, Add</i>	1,387.43	
		<i>For Class 55 Rating, Add</i>	2,070.20	
		<i>For Class 56 Rating, Add</i>	2,743.81	
40 05 19 00-0900	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,640.83	811.68
		<i>For Class 52 Rating, Deduct</i>	-1,035.21	
		<i>For Class 54 Rating, Add</i>	1,426.41	
		<i>For Class 55 Rating, Add</i>	2,128.17	
		<i>For Class 56 Rating, Add</i>	2,820.52	
40 05 19 00-0901	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,904.80	814.65
		<i>For Class 52 Rating, Deduct</i>	-1,063.75	
		<i>For Class 54 Rating, Add</i>	1,465.39	
		<i>For Class 55 Rating, Add</i>	2,186.14	
		<i>For Class 56 Rating, Add</i>	2,897.23	
40 05 19 00-0902	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,168.77	817.61
		<i>For Class 52 Rating, Deduct</i>	-1,092.30	
		<i>For Class 54 Rating, Add</i>	1,504.36	
		<i>For Class 55 Rating, Add</i>	2,244.11	
		<i>For Class 56 Rating, Add</i>	2,973.94	
40 05 19 00-0903	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,432.74	820.57
		<i>For Class 52 Rating, Deduct</i>	-1,120.84	
		<i>For Class 54 Rating, Add</i>	1,543.34	
		<i>For Class 55 Rating, Add</i>	2,302.09	
		<i>For Class 56 Rating, Add</i>	3,050.65	
40 05 19 00-0904	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,696.72	823.54
		<i>For Class 52 Rating, Deduct</i>	-1,149.38	
		<i>For Class 54 Rating, Add</i>	1,582.31	
		<i>For Class 55 Rating, Add</i>	2,360.06	
		<i>For Class 56 Rating, Add</i>	3,127.36	
40 05 19 00-0905	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,960.69	826.49
		<i>For Class 52 Rating, Deduct</i>	-1,177.93	
		<i>For Class 54 Rating, Add</i>	1,621.29	
		<i>For Class 55 Rating, Add</i>	2,418.03	
		<i>For Class 56 Rating, Add</i>	3,204.07	
40 05 19 00-0906	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,224.66	829.46
		<i>For Class 52 Rating, Deduct</i>	-1,206.47	
		<i>For Class 54 Rating, Add</i>	1,660.27	
		<i>For Class 55 Rating, Add</i>	2,476.01	
		<i>For Class 56 Rating, Add</i>	3,280.78	
40 05 19 00-0907	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,488.64	832.43
		<i>For Class 52 Rating, Deduct</i>	-1,235.01	
		<i>For Class 54 Rating, Add</i>	1,699.24	
		<i>For Class 55 Rating, Add</i>	2,533.98	
		<i>For Class 56 Rating, Add</i>	3,357.49	
40 05 19 00-0908	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,752.60	835.38
		<i>For Class 52 Rating, Deduct</i>	-1,263.56	
		<i>For Class 54 Rating, Add</i>	1,738.22	
		<i>For Class 55 Rating, Add</i>	2,591.95	
		<i>For Class 56 Rating, Add</i>	3,434.19	
40 05 19 00-0909	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,016.58	838.35
		<i>For Class 52 Rating, Deduct</i>	-1,292.10	
		<i>For Class 54 Rating, Add</i>	1,777.20	
		<i>For Class 55 Rating, Add</i>	2,649.92	
		<i>For Class 56 Rating, Add</i>	3,510.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0910 EA 20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	13,280.55 -1,320.64 1,816.17 2,707.90 3,587.61	841.31
<b>40 05 19 00-0911 24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)</b>		
40 05 19 00-0912 EA 24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	4,349.21 -334.25 471.52 709.06 943.57	865.01
40 05 19 00-0913 EA 24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	4,675.24 -369.61 519.80 780.87 1,038.58	867.97
40 05 19 00-0914 EA 24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	5,001.26 -404.98 568.09 852.68 1,133.60	870.93
40 05 19 00-0915 EA 24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	5,327.29 -440.35 616.37 924.49 1,228.61	873.90
40 05 19 00-0916 EA 24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	5,653.31 -475.72 664.65 996.30 1,323.63	876.85
40 05 19 00-0917 EA 24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	5,979.33 -511.09 712.94 1,068.11 1,418.64	879.82
40 05 19 00-0918 EA 24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	6,305.36 -546.46 761.22 1,139.92 1,513.66	882.79
40 05 19 00-0919 EA 24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	6,631.37 -581.83 809.51 1,211.73 1,608.67	885.74
40 05 19 00-0920 EA 24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	6,957.40 -617.20 857.79 1,283.54 1,703.68	888.71
40 05 19 00-0921 EA 24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	7,283.42 -652.57 906.07 1,355.35 1,798.70	891.67
40 05 19 00-0922 EA 24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	7,609.44 -687.93 954.36 1,427.16 1,893.71	894.63
40 05 19 00-0923 EA 24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ..... For Class 52 Rating, Deduct ..... For Class 54 Rating, Add ..... For Class 55 Rating, Add ..... For Class 56 Rating, Add .....	7,935.47 -723.30 1,002.64 1,498.97 1,988.73	897.59

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0924	EA	24"	Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,261.49	900.56
			<i>For Class 52 Rating, Deduct</i>	-758.67	
			<i>For Class 54 Rating, Add</i>	1,050.93	
			<i>For Class 55 Rating, Add</i>	1,570.78	
			<i>For Class 56 Rating, Add</i>	2,083.74	
40 05 19 00-0925	EA	24"	Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,587.52	903.52
			<i>For Class 52 Rating, Deduct</i>	-794.04	
			<i>For Class 54 Rating, Add</i>	1,099.21	
			<i>For Class 55 Rating, Add</i>	1,642.59	
			<i>For Class 56 Rating, Add</i>	2,178.76	
40 05 19 00-0926	EA	24"	Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,913.53	906.48
			<i>For Class 52 Rating, Deduct</i>	-829.41	
			<i>For Class 54 Rating, Add</i>	1,147.49	
			<i>For Class 55 Rating, Add</i>	1,714.40	
			<i>For Class 56 Rating, Add</i>	2,273.77	
40 05 19 00-0927	EA	24"	Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,239.56	909.44
			<i>For Class 52 Rating, Deduct</i>	-864.78	
			<i>For Class 54 Rating, Add</i>	1,195.78	
			<i>For Class 55 Rating, Add</i>	1,786.21	
			<i>For Class 56 Rating, Add</i>	2,368.78	
40 05 19 00-0928	EA	24"	Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,565.58	912.40
			<i>For Class 52 Rating, Deduct</i>	-900.15	
			<i>For Class 54 Rating, Add</i>	1,244.06	
			<i>For Class 55 Rating, Add</i>	1,858.02	
			<i>For Class 56 Rating, Add</i>	2,463.80	
40 05 19 00-0929	EA	24"	Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,891.61	915.37
			<i>For Class 52 Rating, Deduct</i>	-935.52	
			<i>For Class 54 Rating, Add</i>	1,292.35	
			<i>For Class 55 Rating, Add</i>	1,929.83	
			<i>For Class 56 Rating, Add</i>	2,558.81	
40 05 19 00-0930	EA	24"	Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,217.63	918.33
			<i>For Class 52 Rating, Deduct</i>	-970.88	
			<i>For Class 54 Rating, Add</i>	1,340.63	
			<i>For Class 55 Rating, Add</i>	2,001.64	
			<i>For Class 56 Rating, Add</i>	2,653.83	
40 05 19 00-0931	EA	24"	Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,543.66	921.29
			<i>For Class 52 Rating, Deduct</i>	-1,006.25	
			<i>For Class 54 Rating, Add</i>	1,388.91	
			<i>For Class 55 Rating, Add</i>	2,073.45	
			<i>For Class 56 Rating, Add</i>	2,748.84	
40 05 19 00-0932	EA	24"	Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,869.68	924.26
			<i>For Class 52 Rating, Deduct</i>	-1,041.62	
			<i>For Class 54 Rating, Add</i>	1,437.20	
			<i>For Class 55 Rating, Add</i>	2,145.26	
			<i>For Class 56 Rating, Add</i>	2,843.85	
40 05 19 00-0933	EA	24"	Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,195.70	927.21
			<i>For Class 52 Rating, Deduct</i>	-1,076.99	
			<i>For Class 54 Rating, Add</i>	1,485.48	
			<i>For Class 55 Rating, Add</i>	2,217.07	
			<i>For Class 56 Rating, Add</i>	2,938.87	
40 05 19 00-0934	EA	24"	Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,521.72	930.18
			<i>For Class 52 Rating, Deduct</i>	-1,112.36	
			<i>For Class 54 Rating, Add</i>	1,533.77	
			<i>For Class 55 Rating, Add</i>	2,288.88	
			<i>For Class 56 Rating, Add</i>	3,033.88	
40 05 19 00-0935	EA	24"	Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,847.75	933.14
			<i>For Class 52 Rating, Deduct</i>	-1,147.73	
			<i>For Class 54 Rating, Add</i>	1,582.05	
			<i>For Class 55 Rating, Add</i>	2,360.69	
			<i>For Class 56 Rating, Add</i>	3,128.90	
40 05 19 00-0936	EA	24"	Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,173.77	936.10
			<i>For Class 52 Rating, Deduct</i>	-1,183.10	
			<i>For Class 54 Rating, Add</i>	1,630.33	
			<i>For Class 55 Rating, Add</i>	2,432.50	
			<i>For Class 56 Rating, Add</i>	3,223.91	
40 05 19 00-0937	EA	24"	Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,499.80	939.07
			<i>For Class 52 Rating, Deduct</i>	-1,218.47	
			<i>For Class 54 Rating, Add</i>	1,678.62	
			<i>For Class 55 Rating, Add</i>	2,504.31	
			<i>For Class 56 Rating, Add</i>	3,318.93	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0938 EA 24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,825.82	942.03
<i>For Class 52 Rating, Deduct</i>	-1,253.84	
<i>For Class 54 Rating, Add</i>	1,726.90	
<i>For Class 55 Rating, Add</i>	2,576.12	
<i>For Class 56 Rating, Add</i>	3,413.94	
40 05 19 00-0939 EA 24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,151.83	944.99
<i>For Class 52 Rating, Deduct</i>	-1,289.20	
<i>For Class 54 Rating, Add</i>	1,775.19	
<i>For Class 55 Rating, Add</i>	2,647.93	
<i>For Class 56 Rating, Add</i>	3,508.95	
40 05 19 00-0940 EA 24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,477.86	947.95
<i>For Class 52 Rating, Deduct</i>	-1,324.57	
<i>For Class 54 Rating, Add</i>	1,823.47	
<i>For Class 55 Rating, Add</i>	2,719.74	
<i>For Class 56 Rating, Add</i>	3,603.97	
40 05 19 00-0941 EA 24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,880.18	1,001.28
<i>For Class 52 Rating, Deduct</i>	-1,359.94	
<i>For Class 54 Rating, Add</i>	1,872.67	
<i>For Class 55 Rating, Add</i>	2,793.38	
<i>For Class 56 Rating, Add</i>	3,701.73	
40 05 19 00-0942 EA 24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,206.22	1,004.24
<i>For Class 52 Rating, Deduct</i>	-1,395.31	
<i>For Class 54 Rating, Add</i>	1,920.95	
<i>For Class 55 Rating, Add</i>	2,865.19	
<i>For Class 56 Rating, Add</i>	3,796.75	
40 05 19 00-0943 EA 24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,532.23	1,007.20
<i>For Class 52 Rating, Deduct</i>	-1,430.68	
<i>For Class 54 Rating, Add</i>	1,969.24	
<i>For Class 55 Rating, Add</i>	2,937.00	
<i>For Class 56 Rating, Add</i>	3,891.76	
40 05 19 00-0944 EA 24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,858.26	1,010.17
<i>For Class 52 Rating, Deduct</i>	-1,466.05	
<i>For Class 54 Rating, Add</i>	2,017.52	
<i>For Class 55 Rating, Add</i>	3,008.81	
<i>For Class 56 Rating, Add</i>	3,986.77	
40 05 19 00-0945 EA 24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,184.28	1,013.12
<i>For Class 52 Rating, Deduct</i>	-1,501.42	
<i>For Class 54 Rating, Add</i>	2,065.81	
<i>For Class 55 Rating, Add</i>	3,080.62	
<i>For Class 56 Rating, Add</i>	4,081.79	
40 05 19 00-0946 EA 24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,510.30	1,016.09
<i>For Class 52 Rating, Deduct</i>	-1,536.79	
<i>For Class 54 Rating, Add</i>	2,114.09	
<i>For Class 55 Rating, Add</i>	3,152.43	
<i>For Class 56 Rating, Add</i>	4,176.80	
40 05 19 00-0947 EA 24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,836.33	1,019.05
<i>For Class 52 Rating, Deduct</i>	-1,572.15	
<i>For Class 54 Rating, Add</i>	2,162.37	
<i>For Class 55 Rating, Add</i>	3,224.24	
<i>For Class 56 Rating, Add</i>	4,271.82	
40 05 19 00-0948 EA 24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,162.35	1,022.01
<i>For Class 52 Rating, Deduct</i>	-1,607.52	
<i>For Class 54 Rating, Add</i>	2,210.66	
<i>For Class 55 Rating, Add</i>	3,296.05	
<i>For Class 56 Rating, Add</i>	4,366.83	
40 05 19 00-0949 EA 24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,488.37	1,024.98
<i>For Class 52 Rating, Deduct</i>	-1,642.89	
<i>For Class 54 Rating, Add</i>	2,258.94	
<i>For Class 55 Rating, Add</i>	3,367.86	
<i>For Class 56 Rating, Add</i>	4,461.84	
 40 05 19 00-0950 30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0951 EA 30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,700.45	1,220.49
<i>For Class 52 Rating, Deduct</i>	-533.64	
<i>For Class 54 Rating, Add</i>	749.88	
<i>For Class 55 Rating, Add</i>	1,126.21	
<i>For Class 56 Rating, Add</i>	1,497.68	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0952	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,169.38	1,223.45
		<i>For Class 52 Rating, Deduct</i>		-584.72	
		<i>For Class 54 Rating, Add</i>		819.59	
		<i>For Class 55 Rating, Add</i>		1,229.88	
		<i>For Class 56 Rating, Add</i>		1,634.85	
40 05 19 00-0953	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,638.30	1,226.41
		<i>For Class 52 Rating, Deduct</i>		-635.81	
		<i>For Class 54 Rating, Add</i>		889.31	
		<i>For Class 55 Rating, Add</i>		1,333.56	
		<i>For Class 56 Rating, Add</i>		1,772.02	
40 05 19 00-0954	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,107.24	1,229.38
		<i>For Class 52 Rating, Deduct</i>		-686.90	
		<i>For Class 54 Rating, Add</i>		959.03	
		<i>For Class 55 Rating, Add</i>		1,437.24	
		<i>For Class 56 Rating, Add</i>		1,909.20	
40 05 19 00-0955	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,576.16	1,232.34
		<i>For Class 52 Rating, Deduct</i>		-737.99	
		<i>For Class 54 Rating, Add</i>		1,028.75	
		<i>For Class 55 Rating, Add</i>		1,540.91	
		<i>For Class 56 Rating, Add</i>		2,046.37	
40 05 19 00-0956	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		9,045.08	1,235.30
		<i>For Class 52 Rating, Deduct</i>		-789.08	
		<i>For Class 54 Rating, Add</i>		1,098.47	
		<i>For Class 55 Rating, Add</i>		1,644.59	
		<i>For Class 56 Rating, Add</i>		2,183.54	
40 05 19 00-0957	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		9,514.02	1,238.27
		<i>For Class 52 Rating, Deduct</i>		-840.16	
		<i>For Class 54 Rating, Add</i>		1,168.19	
		<i>For Class 55 Rating, Add</i>		1,748.27	
		<i>For Class 56 Rating, Add</i>		2,320.71	
40 05 19 00-0958	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		9,982.94	1,241.22
		<i>For Class 52 Rating, Deduct</i>		-891.25	
		<i>For Class 54 Rating, Add</i>		1,237.91	
		<i>For Class 55 Rating, Add</i>		1,851.95	
		<i>For Class 56 Rating, Add</i>		2,457.88	
40 05 19 00-0959	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		10,451.88	1,244.19
		<i>For Class 52 Rating, Deduct</i>		-942.34	
		<i>For Class 54 Rating, Add</i>		1,307.63	
		<i>For Class 55 Rating, Add</i>		1,955.63	
		<i>For Class 56 Rating, Add</i>		2,595.05	
40 05 19 00-0960	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		10,920.80	1,247.16
		<i>For Class 52 Rating, Deduct</i>		-993.43	
		<i>For Class 54 Rating, Add</i>		1,377.35	
		<i>For Class 55 Rating, Add</i>		2,059.30	
		<i>For Class 56 Rating, Add</i>		2,732.22	
40 05 19 00-0961	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		11,389.73	1,250.11
		<i>For Class 52 Rating, Deduct</i>		-1,044.52	
		<i>For Class 54 Rating, Add</i>		1,447.07	
		<i>For Class 55 Rating, Add</i>		2,162.98	
		<i>For Class 56 Rating, Add</i>		2,869.40	
40 05 19 00-0962	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		11,858.66	1,253.08
		<i>For Class 52 Rating, Deduct</i>		-1,095.61	
		<i>For Class 54 Rating, Add</i>		1,516.79	
		<i>For Class 55 Rating, Add</i>		2,266.66	
		<i>For Class 56 Rating, Add</i>		3,006.57	
40 05 19 00-0963	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		12,327.58	1,256.03
		<i>For Class 52 Rating, Deduct</i>		-1,146.69	
		<i>For Class 54 Rating, Add</i>		1,586.51	
		<i>For Class 55 Rating, Add</i>		2,370.34	
		<i>For Class 56 Rating, Add</i>		3,143.74	
40 05 19 00-0964	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		12,796.51	1,259.00
		<i>For Class 52 Rating, Deduct</i>		-1,197.78	
		<i>For Class 54 Rating, Add</i>		1,656.23	
		<i>For Class 55 Rating, Add</i>		2,474.01	
		<i>For Class 56 Rating, Add</i>		3,280.91	
40 05 19 00-0965	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		13,265.43	1,261.96
		<i>For Class 52 Rating, Deduct</i>		-1,248.87	
		<i>For Class 54 Rating, Add</i>		1,725.95	
		<i>For Class 55 Rating, Add</i>		2,577.69	
		<i>For Class 56 Rating, Add</i>		3,418.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0966 EA 30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,734.36	1,264.92
<i>For Class 52 Rating, Deduct</i>	-1,299.96	
<i>For Class 54 Rating, Add</i>	1,795.67	
<i>For Class 55 Rating, Add</i>	2,681.37	
<i>For Class 56 Rating, Add</i>	3,555.25	
40 05 19 00-0967 EA 30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,203.29	1,267.89
<i>For Class 52 Rating, Deduct</i>	-1,351.05	
<i>For Class 54 Rating, Add</i>	1,865.39	
<i>For Class 55 Rating, Add</i>	2,785.05	
<i>For Class 56 Rating, Add</i>	3,692.42	
40 05 19 00-0968 EA 30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,672.22	1,270.85
<i>For Class 52 Rating, Deduct</i>	-1,402.14	
<i>For Class 54 Rating, Add</i>	1,935.11	
<i>For Class 55 Rating, Add</i>	2,888.72	
<i>For Class 56 Rating, Add</i>	3,829.59	
40 05 19 00-0969 EA 30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,141.15	1,273.81
<i>For Class 52 Rating, Deduct</i>	-1,453.22	
<i>For Class 54 Rating, Add</i>	2,004.83	
<i>For Class 55 Rating, Add</i>	2,992.40	
<i>For Class 56 Rating, Add</i>	3,966.76	
40 05 19 00-0970 EA 30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,610.08	1,276.77
<i>For Class 52 Rating, Deduct</i>	-1,504.31	
<i>For Class 54 Rating, Add</i>	2,074.55	
<i>For Class 55 Rating, Add</i>	3,096.08	
<i>For Class 56 Rating, Add</i>	4,103.94	
40 05 19 00-0971 EA 30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,079.01	1,279.74
<i>For Class 52 Rating, Deduct</i>	-1,555.40	
<i>For Class 54 Rating, Add</i>	2,144.27	
<i>For Class 55 Rating, Add</i>	3,199.76	
<i>For Class 56 Rating, Add</i>	4,241.11	
40 05 19 00-0972 EA 30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,547.93	1,282.70
<i>For Class 52 Rating, Deduct</i>	-1,606.49	
<i>For Class 54 Rating, Add</i>	2,213.99	
<i>For Class 55 Rating, Add</i>	3,303.44	
<i>For Class 56 Rating, Add</i>	4,378.28	
40 05 19 00-0973 EA 30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,016.85	1,285.66
<i>For Class 52 Rating, Deduct</i>	-1,657.58	
<i>For Class 54 Rating, Add</i>	2,283.71	
<i>For Class 55 Rating, Add</i>	3,407.11	
<i>For Class 56 Rating, Add</i>	4,515.45	
40 05 19 00-0974 EA 30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,485.78	1,288.63
<i>For Class 52 Rating, Deduct</i>	-1,708.67	
<i>For Class 54 Rating, Add</i>	2,353.43	
<i>For Class 55 Rating, Add</i>	3,510.79	
<i>For Class 56 Rating, Add</i>	4,652.62	
40 05 19 00-0975 EA 30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,954.71	1,291.58
<i>For Class 52 Rating, Deduct</i>	-1,759.75	
<i>For Class 54 Rating, Add</i>	2,423.15	
<i>For Class 55 Rating, Add</i>	3,614.47	
<i>For Class 56 Rating, Add</i>	4,789.79	
40 05 19 00-0976 EA 30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,423.64	1,294.55
<i>For Class 52 Rating, Deduct</i>	-1,810.84	
<i>For Class 54 Rating, Add</i>	2,492.87	
<i>For Class 55 Rating, Add</i>	3,718.15	
<i>For Class 56 Rating, Add</i>	4,926.96	
40 05 19 00-0977 EA 30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,892.57	1,297.52
<i>For Class 52 Rating, Deduct</i>	-1,861.93	
<i>For Class 54 Rating, Add</i>	2,562.59	
<i>For Class 55 Rating, Add</i>	3,821.82	
<i>For Class 56 Rating, Add</i>	5,064.13	
40 05 19 00-0978 EA 30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,361.49	1,300.47
<i>For Class 52 Rating, Deduct</i>	-1,913.02	
<i>For Class 54 Rating, Add</i>	2,632.31	
<i>For Class 55 Rating, Add</i>	3,925.50	
<i>For Class 56 Rating, Add</i>	5,201.30	
40 05 19 00-0979 EA 30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,830.42	1,303.44
<i>For Class 52 Rating, Deduct</i>	-1,964.11	
<i>For Class 54 Rating, Add</i>	2,702.03	
<i>For Class 55 Rating, Add</i>	4,029.18	
<i>For Class 56 Rating, Add</i>	5,338.47	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0980	EA	30"	Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,299.35	1,306.40
			<i>For Class 52 Rating, Deduct</i>	-2,015.20	
			<i>For Class 54 Rating, Add</i>	2,771.75	
			<i>For Class 55 Rating, Add</i>	4,132.86	
			<i>For Class 56 Rating, Add</i>	5,475.65	
40 05 19 00-0981	EA	30"	Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,768.28	1,309.36
			<i>For Class 52 Rating, Deduct</i>	-2,066.28	
			<i>For Class 54 Rating, Add</i>	2,841.47	
			<i>For Class 55 Rating, Add</i>	4,236.53	
			<i>For Class 56 Rating, Add</i>	5,612.82	
40 05 19 00-0982	EA	30"	Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,237.21	1,312.32
			<i>For Class 52 Rating, Deduct</i>	-2,117.37	
			<i>For Class 54 Rating, Add</i>	2,911.19	
			<i>For Class 55 Rating, Add</i>	4,340.21	
			<i>For Class 56 Rating, Add</i>	5,749.99	
40 05 19 00-0983	EA	30"	Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,706.12	1,315.28
			<i>For Class 52 Rating, Deduct</i>	-2,168.46	
			<i>For Class 54 Rating, Add</i>	2,980.90	
			<i>For Class 55 Rating, Add</i>	4,443.89	
			<i>For Class 56 Rating, Add</i>	5,887.16	
40 05 19 00-0984	EA	30"	Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,175.06	1,318.25
			<i>For Class 52 Rating, Deduct</i>	-2,219.55	
			<i>For Class 54 Rating, Add</i>	3,050.62	
			<i>For Class 55 Rating, Add</i>	4,547.57	
			<i>For Class 56 Rating, Add</i>	6,024.33	
40 05 19 00-0985	EA	30"	Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,643.98	1,321.21
			<i>For Class 52 Rating, Deduct</i>	-2,270.64	
			<i>For Class 54 Rating, Add</i>	3,120.34	
			<i>For Class 55 Rating, Add</i>	4,651.24	
			<i>For Class 56 Rating, Add</i>	6,161.50	
40 05 19 00-0986	EA	30"	Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,112.91	1,324.17
			<i>For Class 52 Rating, Deduct</i>	-2,321.72	
			<i>For Class 54 Rating, Add</i>	3,190.06	
			<i>For Class 55 Rating, Add</i>	4,754.92	
			<i>For Class 56 Rating, Add</i>	6,298.67	
40 05 19 00-0987	EA	30"	Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,581.84	1,327.13
			<i>For Class 52 Rating, Deduct</i>	-2,372.81	
			<i>For Class 54 Rating, Add</i>	3,259.78	
			<i>For Class 55 Rating, Add</i>	4,858.60	
			<i>For Class 56 Rating, Add</i>	6,435.84	
40 05 19 00-0988	EA	30"	Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,050.76	1,330.10
			<i>For Class 52 Rating, Deduct</i>	-2,423.90	
			<i>For Class 54 Rating, Add</i>	3,329.50	
			<i>For Class 55 Rating, Add</i>	4,962.28	
			<i>For Class 56 Rating, Add</i>	6,573.01	

**40 05 19 00-0989 36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe** (40 05 19 00-0554)

40 05 19 00-0990	EA	36"	Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,181.67	1,546.35
			<i>For Class 52 Rating, Deduct</i>	-752.26	
			<i>For Class 54 Rating, Add</i>	1,053.92	
			<i>For Class 55 Rating, Add</i>	1,581.27	
			<i>For Class 56 Rating, Add</i>	2,101.77	
40 05 19 00-0991	EA	36"	Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,817.95	1,549.31
			<i>For Class 52 Rating, Deduct</i>	-821.76	
			<i>For Class 54 Rating, Add</i>	1,148.75	
			<i>For Class 55 Rating, Add</i>	1,722.26	
			<i>For Class 56 Rating, Add</i>	2,288.31	
40 05 19 00-0992	EA	36"	Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,454.23	1,552.27
			<i>For Class 52 Rating, Deduct</i>	-891.25	
			<i>For Class 54 Rating, Add</i>	1,243.57	
			<i>For Class 55 Rating, Add</i>	1,863.26	
			<i>For Class 56 Rating, Add</i>	2,474.85	
40 05 19 00-0993	EA	36"	Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,090.51	1,555.23
			<i>For Class 52 Rating, Deduct</i>	-960.75	
			<i>For Class 54 Rating, Add</i>	1,338.39	
			<i>For Class 55 Rating, Add</i>	2,004.26	
			<i>For Class 56 Rating, Add</i>	2,661.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0994 EA 36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,726.78	1,558.20
<i>For Class 52 Rating, Deduct</i>	-1,030.25	
<i>For Class 54 Rating, Add</i>	1,433.21	
<i>For Class 55 Rating, Add</i>	2,145.25	
<i>For Class 56 Rating, Add</i>	2,847.92	
40 05 19 00-0995 EA 36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,363.05	1,561.16
<i>For Class 52 Rating, Deduct</i>	-1,099.74	
<i>For Class 54 Rating, Add</i>	1,528.03	
<i>For Class 55 Rating, Add</i>	2,286.25	
<i>For Class 56 Rating, Add</i>	3,034.46	
40 05 19 00-0996 EA 36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,999.34	1,564.12
<i>For Class 52 Rating, Deduct</i>	-1,169.24	
<i>For Class 54 Rating, Add</i>	1,622.86	
<i>For Class 55 Rating, Add</i>	2,427.24	
<i>For Class 56 Rating, Add</i>	3,221.00	
40 05 19 00-0997 EA 36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,635.61	1,567.09
<i>For Class 52 Rating, Deduct</i>	-1,238.74	
<i>For Class 54 Rating, Add</i>	1,717.68	
<i>For Class 55 Rating, Add</i>	2,568.24	
<i>For Class 56 Rating, Add</i>	3,407.54	
40 05 19 00-0998 EA 36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,271.88	1,570.04
<i>For Class 52 Rating, Deduct</i>	-1,308.23	
<i>For Class 54 Rating, Add</i>	1,812.50	
<i>For Class 55 Rating, Add</i>	2,709.24	
<i>For Class 56 Rating, Add</i>	3,594.08	
40 05 19 00-0999 EA 36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,908.16	1,573.01
<i>For Class 52 Rating, Deduct</i>	-1,377.73	
<i>For Class 54 Rating, Add</i>	1,907.32	
<i>For Class 55 Rating, Add</i>	2,850.23	
<i>For Class 56 Rating, Add</i>	3,780.62	
40 05 19 00-1000 EA 36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,544.43	1,575.98
<i>For Class 52 Rating, Deduct</i>	-1,447.23	
<i>For Class 54 Rating, Add</i>	2,002.14	
<i>For Class 55 Rating, Add</i>	2,991.23	
<i>For Class 56 Rating, Add</i>	3,967.16	
40 05 19 00-1001 EA 36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,180.72	1,578.93
<i>For Class 52 Rating, Deduct</i>	-1,516.72	
<i>For Class 54 Rating, Add</i>	2,096.97	
<i>For Class 55 Rating, Add</i>	3,132.23	
<i>For Class 56 Rating, Add</i>	4,153.70	
40 05 19 00-1002 EA 36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,816.98	1,581.90
<i>For Class 52 Rating, Deduct</i>	-1,586.22	
<i>For Class 54 Rating, Add</i>	2,191.79	
<i>For Class 55 Rating, Add</i>	3,273.22	
<i>For Class 56 Rating, Add</i>	4,340.24	
40 05 19 00-1003 EA 36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,453.27	1,584.86
<i>For Class 52 Rating, Deduct</i>	-1,655.72	
<i>For Class 54 Rating, Add</i>	2,286.61	
<i>For Class 55 Rating, Add</i>	3,414.22	
<i>For Class 56 Rating, Add</i>	4,526.78	
40 05 19 00-1004 EA 36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,089.54	1,587.82
<i>For Class 52 Rating, Deduct</i>	-1,725.21	
<i>For Class 54 Rating, Add</i>	2,381.43	
<i>For Class 55 Rating, Add</i>	3,555.22	
<i>For Class 56 Rating, Add</i>	4,713.31	
40 05 19 00-1005 EA 36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,725.81	1,590.78
<i>For Class 52 Rating, Deduct</i>	-1,794.71	
<i>For Class 54 Rating, Add</i>	2,476.25	
<i>For Class 55 Rating, Add</i>	3,696.21	
<i>For Class 56 Rating, Add</i>	4,899.85	
40 05 19 00-1006 EA 36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,362.09	1,593.75
<i>For Class 52 Rating, Deduct</i>	-1,864.21	
<i>For Class 54 Rating, Add</i>	2,571.08	
<i>For Class 55 Rating, Add</i>	3,837.21	
<i>For Class 56 Rating, Add</i>	5,086.39	
40 05 19 00-1007 EA 36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,998.36	1,596.71
<i>For Class 52 Rating, Deduct</i>	-1,933.70	
<i>For Class 54 Rating, Add</i>	2,665.90	
<i>For Class 55 Rating, Add</i>	3,978.20	
<i>For Class 56 Rating, Add</i>	5,272.93	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1008	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	20,634.65	1,599.67
		<i>For Class 52 Rating, Deduct</i>		-2,003.20	
		<i>For Class 54 Rating, Add</i>		2,760.72	
		<i>For Class 55 Rating, Add</i>		4,119.20	
		<i>For Class 56 Rating, Add</i>		5,459.47	
40 05 19 00-1009	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	21,270.92	1,602.63
		<i>For Class 52 Rating, Deduct</i>		-2,072.70	
		<i>For Class 54 Rating, Add</i>		2,855.54	
		<i>For Class 55 Rating, Add</i>		4,260.20	
		<i>For Class 56 Rating, Add</i>		5,646.01	
40 05 19 00-1010	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	21,907.19	1,605.59
		<i>For Class 52 Rating, Deduct</i>		-2,142.19	
		<i>For Class 54 Rating, Add</i>		2,950.36	
		<i>For Class 55 Rating, Add</i>		4,401.19	
		<i>For Class 56 Rating, Add</i>		5,832.55	
40 05 19 00-1011	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	22,543.47	1,608.56
		<i>For Class 52 Rating, Deduct</i>		-2,211.69	
		<i>For Class 54 Rating, Add</i>		3,045.19	
		<i>For Class 55 Rating, Add</i>		4,542.19	
		<i>For Class 56 Rating, Add</i>		6,019.09	
40 05 19 00-1012	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	23,179.74	1,611.52
		<i>For Class 52 Rating, Deduct</i>		-2,281.19	
		<i>For Class 54 Rating, Add</i>		3,140.01	
		<i>For Class 55 Rating, Add</i>		4,683.19	
		<i>For Class 56 Rating, Add</i>		6,205.63	
40 05 19 00-1013	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	23,816.03	1,614.48
		<i>For Class 52 Rating, Deduct</i>		-2,350.68	
		<i>For Class 54 Rating, Add</i>		3,234.83	
		<i>For Class 55 Rating, Add</i>		4,824.18	
		<i>For Class 56 Rating, Add</i>		6,392.17	
40 05 19 00-1014	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	24,452.29	1,617.45
		<i>For Class 52 Rating, Deduct</i>		-2,420.18	
		<i>For Class 54 Rating, Add</i>		3,329.65	
		<i>For Class 55 Rating, Add</i>		4,965.18	
		<i>For Class 56 Rating, Add</i>		6,578.70	
40 05 19 00-1015	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	25,088.58	1,620.40
		<i>For Class 52 Rating, Deduct</i>		-2,489.68	
		<i>For Class 54 Rating, Add</i>		3,424.47	
		<i>For Class 55 Rating, Add</i>		5,106.17	
		<i>For Class 56 Rating, Add</i>		6,765.24	
40 05 19 00-1016	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	25,724.85	1,623.37
		<i>For Class 52 Rating, Deduct</i>		-2,559.17	
		<i>For Class 54 Rating, Add</i>		3,519.30	
		<i>For Class 55 Rating, Add</i>		5,247.17	
		<i>For Class 56 Rating, Add</i>		6,951.78	
40 05 19 00-1017	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	26,361.13	1,626.34
		<i>For Class 52 Rating, Deduct</i>		-2,628.67	
		<i>For Class 54 Rating, Add</i>		3,614.12	
		<i>For Class 55 Rating, Add</i>		5,388.17	
		<i>For Class 56 Rating, Add</i>		7,138.32	
40 05 19 00-1018	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	26,997.40	1,629.29
		<i>For Class 52 Rating, Deduct</i>		-2,698.16	
		<i>For Class 54 Rating, Add</i>		3,708.94	
		<i>For Class 55 Rating, Add</i>		5,529.16	
		<i>For Class 56 Rating, Add</i>		7,324.86	
40 05 19 00-1019	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	27,633.67	1,632.26
		<i>For Class 52 Rating, Deduct</i>		-2,767.66	
		<i>For Class 54 Rating, Add</i>		3,803.76	
		<i>For Class 55 Rating, Add</i>		5,670.16	
		<i>For Class 56 Rating, Add</i>		7,511.40	
40 05 19 00-1020	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	28,269.96	1,635.22
		<i>For Class 52 Rating, Deduct</i>		-2,837.16	
		<i>For Class 54 Rating, Add</i>		3,898.58	
		<i>For Class 55 Rating, Add</i>		5,811.16	
		<i>For Class 56 Rating, Add</i>		7,697.94	
40 05 19 00-1021	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	28,906.23	1,638.18
		<i>For Class 52 Rating, Deduct</i>		-2,906.66	
		<i>For Class 54 Rating, Add</i>		3,993.41	
		<i>For Class 55 Rating, Add</i>		5,952.15	
		<i>For Class 56 Rating, Add</i>		7,884.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1022 EA 36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,542.50	1,641.14
For Class 52 Rating, Deduct	-2,976.15	
For Class 54 Rating, Add	4,088.23	
For Class 55 Rating, Add	6,093.15	
For Class 56 Rating, Add	8,071.01	
40 05 19 00-1023 EA 36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,178.78	1,644.11
For Class 52 Rating, Deduct	-3,045.65	
For Class 54 Rating, Add	4,183.05	
For Class 55 Rating, Add	6,234.15	
For Class 56 Rating, Add	8,257.55	
40 05 19 00-1024 EA 36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,815.06	1,647.07
For Class 52 Rating, Deduct	-3,115.15	
For Class 54 Rating, Add	4,277.87	
For Class 55 Rating, Add	6,375.14	
For Class 56 Rating, Add	8,444.09	
40 05 19 00-1025 EA 36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,451.34	1,650.03
For Class 52 Rating, Deduct	-3,184.64	
For Class 54 Rating, Add	4,372.69	
For Class 55 Rating, Add	6,516.14	
For Class 56 Rating, Add	8,630.63	
40 05 19 00-1026 EA 36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,087.61	1,653.00
For Class 52 Rating, Deduct	-3,254.14	
For Class 54 Rating, Add	4,467.51	
For Class 55 Rating, Add	6,657.13	
For Class 56 Rating, Add	8,817.17	
40 05 19 00-1027 EA 36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,723.88	1,655.95
For Class 52 Rating, Deduct	-3,323.63	
For Class 54 Rating, Add	4,562.34	
For Class 55 Rating, Add	6,798.13	
For Class 56 Rating, Add	9,003.71	
<b>40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0001)</small>		
<b>40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1030 EA 4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	492.16	144.87
For Class 52 Rating, Deduct	-29.99	
For Class 54 Rating, Add	43.53	
For Class 55 Rating, Add	66.07	
For Class 56 Rating, Add	88.33	
40 05 19 00-1031 EA 4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	544.87	147.42
For Class 52 Rating, Deduct	-35.37	
For Class 54 Rating, Add	50.91	
For Class 55 Rating, Add	77.06	
For Class 56 Rating, Add	102.89	
40 05 19 00-1032 EA 4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	597.60	149.95
For Class 52 Rating, Deduct	-40.75	
For Class 54 Rating, Add	58.29	
For Class 55 Rating, Add	88.06	
For Class 56 Rating, Add	117.45	
40 05 19 00-1033 EA 4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	650.33	152.47
For Class 52 Rating, Deduct	-46.12	
For Class 54 Rating, Add	65.67	
For Class 55 Rating, Add	99.05	
For Class 56 Rating, Add	132.01	
40 05 19 00-1034 EA 4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	703.06	155.00
For Class 52 Rating, Deduct	-51.50	
For Class 54 Rating, Add	73.05	
For Class 55 Rating, Add	110.05	
For Class 56 Rating, Add	146.57	
40 05 19 00-1035 EA 4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	755.78	157.55
For Class 52 Rating, Deduct	-56.88	
For Class 54 Rating, Add	80.43	
For Class 55 Rating, Add	121.04	
For Class 56 Rating, Add	161.13	
40 05 19 00-1036 EA 4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	808.51	160.08
For Class 52 Rating, Deduct	-62.26	
For Class 54 Rating, Add	87.81	
For Class 55 Rating, Add	132.03	
For Class 56 Rating, Add	175.70	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1037	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	861.23	162.60
		For Class 52 Rating, Deduct		-67.63	
		For Class 54 Rating, Add		95.19	
		For Class 55 Rating, Add		143.03	
		For Class 56 Rating, Add		190.25	
40 05 19 00-1038	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	913.96	165.14
		For Class 52 Rating, Deduct		-73.01	
		For Class 54 Rating, Add		102.57	
		For Class 55 Rating, Add		154.02	
		For Class 56 Rating, Add		204.81	
40 05 19 00-1039	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	966.69	167.68
		For Class 52 Rating, Deduct		-78.39	
		For Class 54 Rating, Add		109.94	
		For Class 55 Rating, Add		165.02	
		For Class 56 Rating, Add		219.37	
40 05 19 00-1040	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	1,019.41	170.20
		For Class 52 Rating, Deduct		-83.77	
		For Class 54 Rating, Add		117.32	
		For Class 55 Rating, Add		176.01	
		For Class 56 Rating, Add		233.94	
40 05 19 00-1041	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	1,072.14	172.73
		For Class 52 Rating, Deduct		-89.15	
		For Class 54 Rating, Add		124.70	
		For Class 55 Rating, Add		187.00	
		For Class 56 Rating, Add		248.50	
40 05 19 00-1042	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	1,124.87	175.28
		For Class 52 Rating, Deduct		-94.52	
		For Class 54 Rating, Add		132.08	
		For Class 55 Rating, Add		198.00	
		For Class 56 Rating, Add		263.06	
40 05 19 00-1043	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	1,177.58	177.81
		For Class 52 Rating, Deduct		-99.90	
		For Class 54 Rating, Add		139.46	
		For Class 55 Rating, Add		208.99	
		For Class 56 Rating, Add		277.61	
40 05 19 00-1044	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	1,230.31	180.33
		For Class 52 Rating, Deduct		-105.28	
		For Class 54 Rating, Add		146.84	
		For Class 55 Rating, Add		219.99	
		For Class 56 Rating, Add		292.17	
40 05 19 00-1045	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	1,283.04	182.86
		For Class 52 Rating, Deduct		-110.66	
		For Class 54 Rating, Add		154.22	
		For Class 55 Rating, Add		230.98	
		For Class 56 Rating, Add		306.74	
40 05 19 00-1046	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	1,335.76	185.41
		For Class 52 Rating, Deduct		-116.03	
		For Class 54 Rating, Add		161.60	
		For Class 55 Rating, Add		241.98	
		For Class 56 Rating, Add		321.30	
40 05 19 00-1047	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	1,388.50	187.93
		For Class 52 Rating, Deduct		-121.41	
		For Class 54 Rating, Add		168.98	
		For Class 55 Rating, Add		252.97	
		For Class 56 Rating, Add		335.86	
40 05 19 00-1048	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	1,441.22	190.46
		For Class 52 Rating, Deduct		-126.79	
		For Class 54 Rating, Add		176.36	
		For Class 55 Rating, Add		263.96	
		For Class 56 Rating, Add		350.42	
40 05 19 00-1049	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	1,493.94	193.01
		For Class 52 Rating, Deduct		-132.17	
		For Class 54 Rating, Add		183.74	
		For Class 55 Rating, Add		274.96	
		For Class 56 Rating, Add		364.98	
40 05 19 00-1050	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	1,546.67	195.54
		For Class 52 Rating, Deduct		-137.55	
		For Class 54 Rating, Add		191.12	
		For Class 55 Rating, Add		285.95	
		For Class 56 Rating, Add		379.54	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1051 EA 4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,599.39	198.06
<i>For Class 52 Rating, Deduct</i>	-142.92	
<i>For Class 54 Rating, Add</i>	198.50	
<i>For Class 55 Rating, Add</i>	296.95	
<i>For Class 56 Rating, Add</i>	394.10	
40 05 19 00-1052 EA 4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,652.13	200.59
<i>For Class 52 Rating, Deduct</i>	-148.30	
<i>For Class 54 Rating, Add</i>	205.88	
<i>For Class 55 Rating, Add</i>	307.94	
<i>For Class 56 Rating, Add</i>	408.66	
40 05 19 00-1053 EA 4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,704.85	203.14
<i>For Class 52 Rating, Deduct</i>	-153.68	
<i>For Class 54 Rating, Add</i>	213.26	
<i>For Class 55 Rating, Add</i>	318.94	
<i>For Class 56 Rating, Add</i>	423.22	
40 05 19 00-1054 EA 4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,757.57	205.66
<i>For Class 52 Rating, Deduct</i>	-159.06	
<i>For Class 54 Rating, Add</i>	220.63	
<i>For Class 55 Rating, Add</i>	329.93	
<i>For Class 56 Rating, Add</i>	437.78	
40 05 19 00-1055 EA 4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,810.30	208.19
<i>For Class 52 Rating, Deduct</i>	-164.43	
<i>For Class 54 Rating, Add</i>	228.01	
<i>For Class 55 Rating, Add</i>	340.92	
<i>For Class 56 Rating, Add</i>	452.34	
40 05 19 00-1056 EA 4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,863.02	210.74
<i>For Class 52 Rating, Deduct</i>	-169.81	
<i>For Class 54 Rating, Add</i>	235.39	
<i>For Class 55 Rating, Add</i>	351.92	
<i>For Class 56 Rating, Add</i>	466.90	
40 05 19 00-1057 EA 4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,915.75	213.27
<i>For Class 52 Rating, Deduct</i>	-175.19	
<i>For Class 54 Rating, Add</i>	242.77	
<i>For Class 55 Rating, Add</i>	362.91	
<i>For Class 56 Rating, Add</i>	481.46	
40 05 19 00-1058 EA 4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,968.48	215.79
<i>For Class 52 Rating, Deduct</i>	-180.57	
<i>For Class 54 Rating, Add</i>	250.15	
<i>For Class 55 Rating, Add</i>	373.91	
<i>For Class 56 Rating, Add</i>	496.02	
40 05 19 00-1059 EA 4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,021.20	218.32
<i>For Class 52 Rating, Deduct</i>	-185.95	
<i>For Class 54 Rating, Add</i>	257.53	
<i>For Class 55 Rating, Add</i>	384.90	
<i>For Class 56 Rating, Add</i>	510.58	
40 05 19 00-1060 EA 4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,073.94	220.87
<i>For Class 52 Rating, Deduct</i>	-191.32	
<i>For Class 54 Rating, Add</i>	264.91	
<i>For Class 55 Rating, Add</i>	395.90	
<i>For Class 56 Rating, Add</i>	525.14	
40 05 19 00-1061 EA 4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,126.65	223.40
<i>For Class 52 Rating, Deduct</i>	-196.70	
<i>For Class 54 Rating, Add</i>	272.29	
<i>For Class 55 Rating, Add</i>	406.89	
<i>For Class 56 Rating, Add</i>	539.70	
40 05 19 00-1062 EA 4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,179.38	225.92
<i>For Class 52 Rating, Deduct</i>	-202.08	
<i>For Class 54 Rating, Add</i>	279.67	
<i>For Class 55 Rating, Add</i>	417.88	
<i>For Class 56 Rating, Add</i>	554.26	
40 05 19 00-1063 EA 4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,232.11	228.46
<i>For Class 52 Rating, Deduct</i>	-207.46	
<i>For Class 54 Rating, Add</i>	287.05	
<i>For Class 55 Rating, Add</i>	428.88	
<i>For Class 56 Rating, Add</i>	568.82	
40 05 19 00-1064 EA 4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,284.83	231.00
<i>For Class 52 Rating, Deduct</i>	-212.83	
<i>For Class 54 Rating, Add</i>	294.43	
<i>For Class 55 Rating, Add</i>	439.87	
<i>For Class 56 Rating, Add</i>	583.38	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1065	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,337.56	233.52
		<i>For Class 52 Rating, Deduct</i>		-218.21	
		<i>For Class 54 Rating, Add</i>		301.81	
		<i>For Class 55 Rating, Add</i>		450.87	
		<i>For Class 56 Rating, Add</i>		597.94	
40 05 19 00-1066	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,390.29	236.05
		<i>For Class 52 Rating, Deduct</i>		-223.59	
		<i>For Class 54 Rating, Add</i>		309.19	
		<i>For Class 55 Rating, Add</i>		461.86	
		<i>For Class 56 Rating, Add</i>		612.50	
40 05 19 00-1067	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,443.01	238.60
		<i>For Class 52 Rating, Deduct</i>		-228.97	
		<i>For Class 54 Rating, Add</i>		316.56	
		<i>For Class 55 Rating, Add</i>		472.85	
		<i>For Class 56 Rating, Add</i>		627.06	
40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,495.74	241.13
		<i>For Class 52 Rating, Deduct</i>		-234.34	
		<i>For Class 54 Rating, Add</i>		323.94	
		<i>For Class 55 Rating, Add</i>		483.85	
		<i>For Class 56 Rating, Add</i>		641.62	
40 05 19 00-1069		<b>6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>			
40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		616.64	182.36
		<i>For Class 52 Rating, Deduct</i>		-37.44	
		<i>For Class 54 Rating, Add</i>		54.37	
		<i>For Class 55 Rating, Add</i>		82.53	
		<i>For Class 56 Rating, Add</i>		110.35	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		680.66	184.90
		<i>For Class 52 Rating, Deduct</i>		-44.06	
		<i>For Class 54 Rating, Add</i>		63.44	
		<i>For Class 55 Rating, Add</i>		96.04	
		<i>For Class 56 Rating, Add</i>		128.24	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		744.66	187.43
		<i>For Class 52 Rating, Deduct</i>		-50.67	
		<i>For Class 54 Rating, Add</i>		72.51	
		<i>For Class 55 Rating, Add</i>		109.55	
		<i>For Class 56 Rating, Add</i>		146.12	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		808.67	189.96
		<i>For Class 52 Rating, Deduct</i>		-57.29	
		<i>For Class 54 Rating, Add</i>		81.58	
		<i>For Class 55 Rating, Add</i>		123.06	
		<i>For Class 56 Rating, Add</i>		164.01	
40 05 19 00-1074	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		872.68	192.49
		<i>For Class 52 Rating, Deduct</i>		-63.91	
		<i>For Class 54 Rating, Add</i>		90.65	
		<i>For Class 55 Rating, Add</i>		136.57	
		<i>For Class 56 Rating, Add</i>		181.90	
40 05 19 00-1075	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		936.68	195.03
		<i>For Class 52 Rating, Deduct</i>		-70.53	
		<i>For Class 54 Rating, Add</i>		99.72	
		<i>For Class 55 Rating, Add</i>		150.08	
		<i>For Class 56 Rating, Add</i>		199.79	
40 05 19 00-1076	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,000.69	197.56
		<i>For Class 52 Rating, Deduct</i>		-77.15	
		<i>For Class 54 Rating, Add</i>		108.80	
		<i>For Class 55 Rating, Add</i>		163.59	
		<i>For Class 56 Rating, Add</i>		217.68	
40 05 19 00-1077	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,064.70	200.09
		<i>For Class 52 Rating, Deduct</i>		-83.77	
		<i>For Class 54 Rating, Add</i>		117.87	
		<i>For Class 55 Rating, Add</i>		177.10	
		<i>For Class 56 Rating, Add</i>		235.57	
40 05 19 00-1078	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,128.71	202.63
		<i>For Class 52 Rating, Deduct</i>		-90.39	
		<i>For Class 54 Rating, Add</i>		126.94	
		<i>For Class 55 Rating, Add</i>		190.61	
		<i>For Class 56 Rating, Add</i>		253.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1079 EA 6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,192.72	205.16
<i>For Class 52 Rating, Deduct</i>	-97.01	
<i>For Class 54 Rating, Add</i>	136.01	
<i>For Class 55 Rating, Add</i>	204.12	
<i>For Class 56 Rating, Add</i>	271.34	
40 05 19 00-1080 EA 6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,256.72	207.69
<i>For Class 52 Rating, Deduct</i>	-103.62	
<i>For Class 54 Rating, Add</i>	145.08	
<i>For Class 55 Rating, Add</i>	217.63	
<i>For Class 56 Rating, Add</i>	289.23	
40 05 19 00-1081 EA 6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,320.73	210.22
<i>For Class 52 Rating, Deduct</i>	-110.24	
<i>For Class 54 Rating, Add</i>	154.15	
<i>For Class 55 Rating, Add</i>	231.14	
<i>For Class 56 Rating, Add</i>	307.12	
40 05 19 00-1082 EA 6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,384.74	212.76
<i>For Class 52 Rating, Deduct</i>	-116.86	
<i>For Class 54 Rating, Add</i>	163.23	
<i>For Class 55 Rating, Add</i>	244.65	
<i>For Class 56 Rating, Add</i>	325.01	
40 05 19 00-1083 EA 6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,448.75	215.29
<i>For Class 52 Rating, Deduct</i>	-123.48	
<i>For Class 54 Rating, Add</i>	172.30	
<i>For Class 55 Rating, Add</i>	258.16	
<i>For Class 56 Rating, Add</i>	342.90	
40 05 19 00-1084 EA 6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,512.75	217.82
<i>For Class 52 Rating, Deduct</i>	-130.10	
<i>For Class 54 Rating, Add</i>	181.37	
<i>For Class 55 Rating, Add</i>	271.67	
<i>For Class 56 Rating, Add</i>	360.78	
40 05 19 00-1085 EA 6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,576.76	220.35
<i>For Class 52 Rating, Deduct</i>	-136.72	
<i>For Class 54 Rating, Add</i>	190.44	
<i>For Class 55 Rating, Add</i>	285.18	
<i>For Class 56 Rating, Add</i>	378.67	
40 05 19 00-1086 EA 6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,640.77	222.89
<i>For Class 52 Rating, Deduct</i>	-143.34	
<i>For Class 54 Rating, Add</i>	199.51	
<i>For Class 55 Rating, Add</i>	298.69	
<i>For Class 56 Rating, Add</i>	396.56	
40 05 19 00-1087 EA 6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,704.77	225.42
<i>For Class 52 Rating, Deduct</i>	-149.96	
<i>For Class 54 Rating, Add</i>	208.58	
<i>For Class 55 Rating, Add</i>	312.20	
<i>For Class 56 Rating, Add</i>	414.45	
40 05 19 00-1088 EA 6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,768.79	227.95
<i>For Class 52 Rating, Deduct</i>	-156.57	
<i>For Class 54 Rating, Add</i>	217.65	
<i>For Class 55 Rating, Add</i>	325.71	
<i>For Class 56 Rating, Add</i>	432.34	
40 05 19 00-1089 EA 6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,832.79	230.50
<i>For Class 52 Rating, Deduct</i>	-163.19	
<i>For Class 54 Rating, Add</i>	226.73	
<i>For Class 55 Rating, Add</i>	339.22	
<i>For Class 56 Rating, Add</i>	450.23	
40 05 19 00-1090 EA 6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,896.80	233.02
<i>For Class 52 Rating, Deduct</i>	-169.81	
<i>For Class 54 Rating, Add</i>	235.80	
<i>For Class 55 Rating, Add</i>	352.73	
<i>For Class 56 Rating, Add</i>	468.11	
40 05 19 00-1091 EA 6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,960.81	235.55
<i>For Class 52 Rating, Deduct</i>	-176.43	
<i>For Class 54 Rating, Add</i>	244.87	
<i>For Class 55 Rating, Add</i>	366.24	
<i>For Class 56 Rating, Add</i>	486.00	
40 05 19 00-1092 EA 6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,024.81	238.08
<i>For Class 52 Rating, Deduct</i>	-183.05	
<i>For Class 54 Rating, Add</i>	253.94	
<i>For Class 55 Rating, Add</i>	379.75	
<i>For Class 56 Rating, Add</i>	503.89	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1093	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,088.83	240.62
		<i>For Class 52 Rating, Deduct</i>		-189.67	
		<i>For Class 54 Rating, Add</i>		263.01	
		<i>For Class 55 Rating, Add</i>		393.26	
		<i>For Class 56 Rating, Add</i>		521.78	
40 05 19 00-1094	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,152.83	243.15
		<i>For Class 52 Rating, Deduct</i>		-196.29	
		<i>For Class 54 Rating, Add</i>		272.08	
		<i>For Class 55 Rating, Add</i>		406.77	
		<i>For Class 56 Rating, Add</i>		539.67	
40 05 19 00-1095	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,216.83	245.68
		<i>For Class 52 Rating, Deduct</i>		-202.90	
		<i>For Class 54 Rating, Add</i>		281.16	
		<i>For Class 55 Rating, Add</i>		420.28	
		<i>For Class 56 Rating, Add</i>		557.55	
40 05 19 00-1096	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,280.85	248.22
		<i>For Class 52 Rating, Deduct</i>		-209.52	
		<i>For Class 54 Rating, Add</i>		290.23	
		<i>For Class 55 Rating, Add</i>		433.79	
		<i>For Class 56 Rating, Add</i>		575.44	
40 05 19 00-1097	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,344.85	250.75
		<i>For Class 52 Rating, Deduct</i>		-216.14	
		<i>For Class 54 Rating, Add</i>		299.30	
		<i>For Class 55 Rating, Add</i>		447.30	
		<i>For Class 56 Rating, Add</i>		593.33	
40 05 19 00-1098	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,408.86	253.28
		<i>For Class 52 Rating, Deduct</i>		-222.76	
		<i>For Class 54 Rating, Add</i>		308.37	
		<i>For Class 55 Rating, Add</i>		460.81	
		<i>For Class 56 Rating, Add</i>		611.22	
40 05 19 00-1099	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,472.87	255.81
		<i>For Class 52 Rating, Deduct</i>		-229.38	
		<i>For Class 54 Rating, Add</i>		317.44	
		<i>For Class 55 Rating, Add</i>		474.32	
		<i>For Class 56 Rating, Add</i>		629.11	
40 05 19 00-1100	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,536.88	258.35
		<i>For Class 52 Rating, Deduct</i>		-236.00	
		<i>For Class 54 Rating, Add</i>		326.51	
		<i>For Class 55 Rating, Add</i>		487.83	
		<i>For Class 56 Rating, Add</i>		647.00	
40 05 19 00-1101	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,600.90	260.88
		<i>For Class 52 Rating, Deduct</i>		-242.62	
		<i>For Class 54 Rating, Add</i>		335.59	
		<i>For Class 55 Rating, Add</i>		501.34	
		<i>For Class 56 Rating, Add</i>		664.89	
40 05 19 00-1102	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,664.90	263.41
		<i>For Class 52 Rating, Deduct</i>		-249.24	
		<i>For Class 54 Rating, Add</i>		344.66	
		<i>For Class 55 Rating, Add</i>		514.85	
		<i>For Class 56 Rating, Add</i>		682.78	
40 05 19 00-1103	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,728.90	265.95
		<i>For Class 52 Rating, Deduct</i>		-255.86	
		<i>For Class 54 Rating, Add</i>		353.73	
		<i>For Class 55 Rating, Add</i>		528.36	
		<i>For Class 56 Rating, Add</i>		700.66	
40 05 19 00-1104	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,792.92	268.48
		<i>For Class 52 Rating, Deduct</i>		-262.47	
		<i>For Class 54 Rating, Add</i>		362.80	
		<i>For Class 55 Rating, Add</i>		541.87	
		<i>For Class 56 Rating, Add</i>		718.55	
40 05 19 00-1105	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,856.92	271.01
		<i>For Class 52 Rating, Deduct</i>		-269.09	
		<i>For Class 54 Rating, Add</i>		371.87	
		<i>For Class 55 Rating, Add</i>		555.38	
		<i>For Class 56 Rating, Add</i>		736.44	
40 05 19 00-1106	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,920.93	273.54
		<i>For Class 52 Rating, Deduct</i>		-275.71	
		<i>For Class 54 Rating, Add</i>		380.94	
		<i>For Class 55 Rating, Add</i>		568.89	
		<i>For Class 56 Rating, Add</i>		754.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1107 EA 6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,984.94	276.08
<i>For Class 52 Rating, Deduct</i>	-262.33	
<i>For Class 54 Rating, Add</i>	390.02	
<i>For Class 55 Rating, Add</i>	582.40	
<i>For Class 56 Rating, Add</i>	772.22	
40 05 19 00-1108 EA 6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,048.94	278.61
<i>For Class 52 Rating, Deduct</i>	-288.95	
<i>For Class 54 Rating, Add</i>	399.09	
<i>For Class 55 Rating, Add</i>	595.91	
<i>For Class 56 Rating, Add</i>	790.11	
<b>40 05 19 00-1109 8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small></b>		
40 05 19 00-1110 EA 8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	847.58	233.02
<i>For Class 52 Rating, Deduct</i>	-54.40	
<i>For Class 54 Rating, Add</i>	78.41	
<i>For Class 55 Rating, Add</i>	118.75	
<i>For Class 56 Rating, Add</i>	158.59	
40 05 19 00-1111 EA 8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	934.16	235.55
<i>For Class 52 Rating, Deduct</i>	-63.50	
<i>For Class 54 Rating, Add</i>	90.87	
<i>For Class 55 Rating, Add</i>	137.29	
<i>For Class 56 Rating, Add</i>	183.14	
40 05 19 00-1112 EA 8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,020.72	238.08
<i>For Class 52 Rating, Deduct</i>	-72.60	
<i>For Class 54 Rating, Add</i>	103.33	
<i>For Class 55 Rating, Add</i>	155.84	
<i>For Class 56 Rating, Add</i>	207.68	
40 05 19 00-1113 EA 8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,107.31	240.62
<i>For Class 52 Rating, Deduct</i>	-81.70	
<i>For Class 54 Rating, Add</i>	115.78	
<i>For Class 55 Rating, Add</i>	174.38	
<i>For Class 56 Rating, Add</i>	232.23	
40 05 19 00-1114 EA 8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,193.87	243.15
<i>For Class 52 Rating, Deduct</i>	-90.80	
<i>For Class 54 Rating, Add</i>	128.24	
<i>For Class 55 Rating, Add</i>	192.92	
<i>For Class 56 Rating, Add</i>	256.77	
40 05 19 00-1115 EA 8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,280.43	245.68
<i>For Class 52 Rating, Deduct</i>	-99.90	
<i>For Class 54 Rating, Add</i>	140.70	
<i>For Class 55 Rating, Add</i>	211.46	
<i>For Class 56 Rating, Add</i>	281.32	
40 05 19 00-1116 EA 8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,367.02	248.22
<i>For Class 52 Rating, Deduct</i>	-109.00	
<i>For Class 54 Rating, Add</i>	153.15	
<i>For Class 55 Rating, Add</i>	230.00	
<i>For Class 56 Rating, Add</i>	305.86	
40 05 19 00-1117 EA 8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,453.58	250.75
<i>For Class 52 Rating, Deduct</i>	-118.10	
<i>For Class 54 Rating, Add</i>	165.61	
<i>For Class 55 Rating, Add</i>	248.54	
<i>For Class 56 Rating, Add</i>	330.41	
40 05 19 00-1118 EA 8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,540.16	253.28
<i>For Class 52 Rating, Deduct</i>	-127.20	
<i>For Class 54 Rating, Add</i>	178.07	
<i>For Class 55 Rating, Add</i>	267.09	
<i>For Class 56 Rating, Add</i>	354.95	
40 05 19 00-1119 EA 8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,626.73	255.81
<i>For Class 52 Rating, Deduct</i>	-136.30	
<i>For Class 54 Rating, Add</i>	190.52	
<i>For Class 55 Rating, Add</i>	285.63	
<i>For Class 56 Rating, Add</i>	379.50	
40 05 19 00-1120 EA 8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,713.29	258.35
<i>For Class 52 Rating, Deduct</i>	-145.40	
<i>For Class 54 Rating, Add</i>	202.98	
<i>For Class 55 Rating, Add</i>	304.17	
<i>For Class 56 Rating, Add</i>	404.04	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1121	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,799.88	260.88
		<i>For Class 52 Rating, Deduct</i>		-154.51	
		<i>For Class 54 Rating, Add</i>		215.43	
		<i>For Class 55 Rating, Add</i>		322.71	
		<i>For Class 56 Rating, Add</i>		428.59	
40 05 19 00-1122	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,886.44	263.41
		<i>For Class 52 Rating, Deduct</i>		-163.61	
		<i>For Class 54 Rating, Add</i>		227.89	
		<i>For Class 55 Rating, Add</i>		341.25	
		<i>For Class 56 Rating, Add</i>		453.13	
40 05 19 00-1123	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,973.01	265.95
		<i>For Class 52 Rating, Deduct</i>		-172.71	
		<i>For Class 54 Rating, Add</i>		240.35	
		<i>For Class 55 Rating, Add</i>		359.80	
		<i>For Class 56 Rating, Add</i>		477.68	
40 05 19 00-1124	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,059.59	268.48
		<i>For Class 52 Rating, Deduct</i>		-181.81	
		<i>For Class 54 Rating, Add</i>		252.80	
		<i>For Class 55 Rating, Add</i>		378.34	
		<i>For Class 56 Rating, Add</i>		502.22	
40 05 19 00-1125	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,146.16	271.01
		<i>For Class 52 Rating, Deduct</i>		-190.91	
		<i>For Class 54 Rating, Add</i>		265.26	
		<i>For Class 55 Rating, Add</i>		396.88	
		<i>For Class 56 Rating, Add</i>		526.77	
40 05 19 00-1126	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,232.73	273.54
		<i>For Class 52 Rating, Deduct</i>		-200.01	
		<i>For Class 54 Rating, Add</i>		277.71	
		<i>For Class 55 Rating, Add</i>		415.42	
		<i>For Class 56 Rating, Add</i>		551.31	
40 05 19 00-1127	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,319.30	276.08
		<i>For Class 52 Rating, Deduct</i>		-209.11	
		<i>For Class 54 Rating, Add</i>		290.17	
		<i>For Class 55 Rating, Add</i>		433.96	
		<i>For Class 56 Rating, Add</i>		575.85	
40 05 19 00-1128	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,405.87	278.61
		<i>For Class 52 Rating, Deduct</i>		-218.21	
		<i>For Class 54 Rating, Add</i>		302.63	
		<i>For Class 55 Rating, Add</i>		452.51	
		<i>For Class 56 Rating, Add</i>		600.40	
40 05 19 00-1129	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,492.44	281.14
		<i>For Class 52 Rating, Deduct</i>		-227.31	
		<i>For Class 54 Rating, Add</i>		315.08	
		<i>For Class 55 Rating, Add</i>		471.05	
		<i>For Class 56 Rating, Add</i>		624.94	
40 05 19 00-1130	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,579.02	283.67
		<i>For Class 52 Rating, Deduct</i>		-236.41	
		<i>For Class 54 Rating, Add</i>		327.54	
		<i>For Class 55 Rating, Add</i>		489.59	
		<i>For Class 56 Rating, Add</i>		649.49	
40 05 19 00-1131	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,665.59	286.21
		<i>For Class 52 Rating, Deduct</i>		-245.51	
		<i>For Class 54 Rating, Add</i>		339.99	
		<i>For Class 55 Rating, Add</i>		508.13	
		<i>For Class 56 Rating, Add</i>		674.03	
40 05 19 00-1132	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,752.16	288.74
		<i>For Class 52 Rating, Deduct</i>		-254.61	
		<i>For Class 54 Rating, Add</i>		352.45	
		<i>For Class 55 Rating, Add</i>		526.67	
		<i>For Class 56 Rating, Add</i>		698.58	
40 05 19 00-1133	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,838.73	291.27
		<i>For Class 52 Rating, Deduct</i>		-263.72	
		<i>For Class 54 Rating, Add</i>		364.91	
		<i>For Class 55 Rating, Add</i>		545.21	
		<i>For Class 56 Rating, Add</i>		723.12	
40 05 19 00-1134	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,925.30	293.82
		<i>For Class 52 Rating, Deduct</i>		-272.82	
		<i>For Class 54 Rating, Add</i>		377.36	
		<i>For Class 55 Rating, Add</i>		563.76	
		<i>For Class 56 Rating, Add</i>		747.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1135 EA 8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,011.88	296.34
<i>For Class 52 Rating, Deduct</i>	-281.92	
<i>For Class 54 Rating, Add</i>	389.82	
<i>For Class 55 Rating, Add</i>	582.30	
<i>For Class 56 Rating, Add</i>	772.21	
40 05 19 00-1136 EA 8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,098.45	298.87
<i>For Class 52 Rating, Deduct</i>	-291.02	
<i>For Class 54 Rating, Add</i>	402.28	
<i>For Class 55 Rating, Add</i>	600.84	
<i>For Class 56 Rating, Add</i>	796.76	
40 05 19 00-1137 EA 8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,185.01	301.40
<i>For Class 52 Rating, Deduct</i>	-300.12	
<i>For Class 54 Rating, Add</i>	414.73	
<i>For Class 55 Rating, Add</i>	619.38	
<i>For Class 56 Rating, Add</i>	821.30	
40 05 19 00-1138 EA 8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,271.59	303.94
<i>For Class 52 Rating, Deduct</i>	-309.22	
<i>For Class 54 Rating, Add</i>	427.19	
<i>For Class 55 Rating, Add</i>	637.92	
<i>For Class 56 Rating, Add</i>	845.85	
40 05 19 00-1139 EA 8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,358.16	306.47
<i>For Class 52 Rating, Deduct</i>	-318.32	
<i>For Class 54 Rating, Add</i>	439.64	
<i>For Class 55 Rating, Add</i>	656.46	
<i>For Class 56 Rating, Add</i>	870.39	
40 05 19 00-1140 EA 8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,444.73	309.00
<i>For Class 52 Rating, Deduct</i>	-327.42	
<i>For Class 54 Rating, Add</i>	452.10	
<i>For Class 55 Rating, Add</i>	675.01	
<i>For Class 56 Rating, Add</i>	894.94	
40 05 19 00-1141 EA 8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,531.31	311.54
<i>For Class 52 Rating, Deduct</i>	-336.52	
<i>For Class 54 Rating, Add</i>	464.56	
<i>For Class 55 Rating, Add</i>	693.55	
<i>For Class 56 Rating, Add</i>	919.48	
40 05 19 00-1142 EA 8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,617.87	314.07
<i>For Class 52 Rating, Deduct</i>	-345.62	
<i>For Class 54 Rating, Add</i>	477.01	
<i>For Class 55 Rating, Add</i>	712.09	
<i>For Class 56 Rating, Add</i>	944.02	
40 05 19 00-1143 EA 8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,704.45	316.60
<i>For Class 52 Rating, Deduct</i>	-354.72	
<i>For Class 54 Rating, Add</i>	489.47	
<i>For Class 55 Rating, Add</i>	730.63	
<i>For Class 56 Rating, Add</i>	968.57	
40 05 19 00-1144 EA 8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,791.02	319.13
<i>For Class 52 Rating, Deduct</i>	-363.82	
<i>For Class 54 Rating, Add</i>	501.92	
<i>For Class 55 Rating, Add</i>	749.17	
<i>For Class 56 Rating, Add</i>	993.11	
40 05 19 00-1145 EA 8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,877.59	321.67
<i>For Class 52 Rating, Deduct</i>	-372.92	
<i>For Class 54 Rating, Add</i>	514.38	
<i>For Class 55 Rating, Add</i>	767.72	
<i>For Class 56 Rating, Add</i>	1,017.66	
40 05 19 00-1146 EA 8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,964.17	324.20
<i>For Class 52 Rating, Deduct</i>	-382.02	
<i>For Class 54 Rating, Add</i>	526.84	
<i>For Class 55 Rating, Add</i>	786.26	
<i>For Class 56 Rating, Add</i>	1,042.20	
40 05 19 00-1147 EA 8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,050.74	326.73
<i>For Class 52 Rating, Deduct</i>	-391.13	
<i>For Class 54 Rating, Add</i>	539.29	
<i>For Class 55 Rating, Add</i>	804.80	
<i>For Class 56 Rating, Add</i>	1,066.75	
40 05 19 00-1148 EA 8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,137.30	329.27
<i>For Class 52 Rating, Deduct</i>	-400.23	
<i>For Class 54 Rating, Add</i>	551.75	
<i>For Class 55 Rating, Add</i>	823.34	
<i>For Class 56 Rating, Add</i>	1,091.29	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1149			10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1150	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,067.24	283.67
			For Class 52 Rating, Deduct	-70.12	
			For Class 54 Rating, Add	100.77	
			For Class 55 Rating, Add	152.46	
			For Class 56 Rating, Add	203.52	
40 05 19 00-1151	EA		10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,180.14	286.21
			For Class 52 Rating, Deduct	-82.11	
			For Class 54 Rating, Add	117.18	
			For Class 55 Rating, Add	176.87	
			For Class 56 Rating, Add	235.83	
40 05 19 00-1152	EA		10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,293.04	288.74
			For Class 52 Rating, Deduct	-94.11	
			For Class 54 Rating, Add	133.58	
			For Class 55 Rating, Add	201.29	
			For Class 56 Rating, Add	268.14	
40 05 19 00-1153	EA		10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,405.92	291.27
			For Class 52 Rating, Deduct	-106.11	
			For Class 54 Rating, Add	149.99	
			For Class 55 Rating, Add	225.70	
			For Class 56 Rating, Add	300.44	
40 05 19 00-1154	EA		10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,518.82	293.82
			For Class 52 Rating, Deduct	-118.10	
			For Class 54 Rating, Add	166.39	
			For Class 55 Rating, Add	250.11	
			For Class 56 Rating, Add	332.76	
40 05 19 00-1155	EA		10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,631.72	296.34
			For Class 52 Rating, Deduct	-130.10	
			For Class 54 Rating, Add	182.80	
			For Class 55 Rating, Add	274.52	
			For Class 56 Rating, Add	365.07	
40 05 19 00-1156	EA		10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,744.62	298.87
			For Class 52 Rating, Deduct	-142.10	
			For Class 54 Rating, Add	199.20	
			For Class 55 Rating, Add	298.94	
			For Class 56 Rating, Add	397.38	
40 05 19 00-1157	EA		10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,857.51	301.40
			For Class 52 Rating, Deduct	-154.09	
			For Class 54 Rating, Add	215.61	
			For Class 55 Rating, Add	323.35	
			For Class 56 Rating, Add	429.69	
40 05 19 00-1158	EA		10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,970.41	303.94
			For Class 52 Rating, Deduct	-166.09	
			For Class 54 Rating, Add	232.01	
			For Class 55 Rating, Add	347.76	
			For Class 56 Rating, Add	462.00	
40 05 19 00-1159	EA		10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,083.31	306.47
			For Class 52 Rating, Deduct	-178.09	
			For Class 54 Rating, Add	248.42	
			For Class 55 Rating, Add	372.17	
			For Class 56 Rating, Add	494.31	
40 05 19 00-1160	EA		10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,196.19	309.00
			For Class 52 Rating, Deduct	-190.08	
			For Class 54 Rating, Add	264.82	
			For Class 55 Rating, Add	396.58	
			For Class 56 Rating, Add	526.62	
40 05 19 00-1161	EA		10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,309.10	311.54
			For Class 52 Rating, Deduct	-202.08	
			For Class 54 Rating, Add	281.22	
			For Class 55 Rating, Add	421.00	
			For Class 56 Rating, Add	558.93	
40 05 19 00-1162	EA		10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,421.99	314.07
			For Class 52 Rating, Deduct	-214.07	
			For Class 54 Rating, Add	297.63	
			For Class 55 Rating, Add	445.41	
			For Class 56 Rating, Add	591.24	
40 05 19 00-1163	EA		10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,534.89	316.60
			For Class 52 Rating, Deduct	-226.07	
			For Class 54 Rating, Add	314.03	
			For Class 55 Rating, Add	469.82	
			For Class 56 Rating, Add	623.55	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1164 EA 10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,647.79	319.13
<i>For Class 52 Rating, Deduct</i>	-238.07	
<i>For Class 54 Rating, Add</i>	330.44	
<i>For Class 55 Rating, Add</i>	494.23	
<i>For Class 56 Rating, Add</i>	655.86	
40 05 19 00-1165 EA 10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,760.68	321.67
<i>For Class 52 Rating, Deduct</i>	-250.06	
<i>For Class 54 Rating, Add</i>	346.84	
<i>For Class 55 Rating, Add</i>	518.65	
<i>For Class 56 Rating, Add</i>	688.17	
40 05 19 00-1166 EA 10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,873.59	324.20
<i>For Class 52 Rating, Deduct</i>	-262.06	
<i>For Class 54 Rating, Add</i>	363.25	
<i>For Class 55 Rating, Add</i>	543.06	
<i>For Class 56 Rating, Add</i>	720.48	
40 05 19 00-1167 EA 10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,986.47	326.73
<i>For Class 52 Rating, Deduct</i>	-274.06	
<i>For Class 54 Rating, Add</i>	379.65	
<i>For Class 55 Rating, Add</i>	567.47	
<i>For Class 56 Rating, Add</i>	752.79	
40 05 19 00-1168 EA 10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,099.36	329.27
<i>For Class 52 Rating, Deduct</i>	-286.05	
<i>For Class 54 Rating, Add</i>	396.06	
<i>For Class 55 Rating, Add</i>	591.88	
<i>For Class 56 Rating, Add</i>	785.10	
40 05 19 00-1169 EA 10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,212.27	331.80
<i>For Class 52 Rating, Deduct</i>	-298.05	
<i>For Class 54 Rating, Add</i>	412.46	
<i>For Class 55 Rating, Add</i>	616.29	
<i>For Class 56 Rating, Add</i>	817.41	
40 05 19 00-1170 EA 10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,325.16	334.33
<i>For Class 52 Rating, Deduct</i>	-310.05	
<i>For Class 54 Rating, Add</i>	428.87	
<i>For Class 55 Rating, Add</i>	640.71	
<i>For Class 56 Rating, Add</i>	849.72	
40 05 19 00-1171 EA 10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,438.06	336.86
<i>For Class 52 Rating, Deduct</i>	-322.04	
<i>For Class 54 Rating, Add</i>	445.27	
<i>For Class 55 Rating, Add</i>	665.12	
<i>For Class 56 Rating, Add</i>	882.03	
40 05 19 00-1172 EA 10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,550.96	339.40
<i>For Class 52 Rating, Deduct</i>	-334.04	
<i>For Class 54 Rating, Add</i>	461.68	
<i>For Class 55 Rating, Add</i>	689.53	
<i>For Class 56 Rating, Add</i>	914.35	
40 05 19 00-1173 EA 10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,663.85	341.93
<i>For Class 52 Rating, Deduct</i>	-346.04	
<i>For Class 54 Rating, Add</i>	478.08	
<i>For Class 55 Rating, Add</i>	713.94	
<i>For Class 56 Rating, Add</i>	946.66	
40 05 19 00-1174 EA 10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,776.75	344.46
<i>For Class 52 Rating, Deduct</i>	-358.03	
<i>For Class 54 Rating, Add</i>	494.49	
<i>For Class 55 Rating, Add</i>	738.35	
<i>For Class 56 Rating, Add</i>	978.96	
40 05 19 00-1175 EA 10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,889.64	347.00
<i>For Class 52 Rating, Deduct</i>	-370.03	
<i>For Class 54 Rating, Add</i>	510.89	
<i>For Class 55 Rating, Add</i>	762.77	
<i>For Class 56 Rating, Add</i>	1,011.27	
40 05 19 00-1176 EA 10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,002.54	349.53
<i>For Class 52 Rating, Deduct</i>	-382.02	
<i>For Class 54 Rating, Add</i>	527.30	
<i>For Class 55 Rating, Add</i>	787.18	
<i>For Class 56 Rating, Add</i>	1,043.59	
40 05 19 00-1177 EA 10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,115.44	352.06
<i>For Class 52 Rating, Deduct</i>	-394.02	
<i>For Class 54 Rating, Add</i>	543.70	
<i>For Class 55 Rating, Add</i>	811.59	
<i>For Class 56 Rating, Add</i>	1,075.90	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1178	EA		10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,228.33	354.59
			<i>For Class 52 Rating, Deduct</i> .....	-406.02	
			<i>For Class 54 Rating, Add</i> .....	560.11	
			<i>For Class 55 Rating, Add</i> .....	836.00	
			<i>For Class 56 Rating, Add</i> .....	1,108.21	
40 05 19 00-1179	EA		10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,341.23	357.14
			<i>For Class 52 Rating, Deduct</i> .....	-418.01	
			<i>For Class 54 Rating, Add</i> .....	576.51	
			<i>For Class 55 Rating, Add</i> .....	860.42	
			<i>For Class 56 Rating, Add</i> .....	1,140.52	
40 05 19 00-1180	EA		10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,454.13	359.66
			<i>For Class 52 Rating, Deduct</i> .....	-430.01	
			<i>For Class 54 Rating, Add</i> .....	592.92	
			<i>For Class 55 Rating, Add</i> .....	884.83	
			<i>For Class 56 Rating, Add</i> .....	1,172.83	
40 05 19 00-1181	EA		10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,567.01	362.19
			<i>For Class 52 Rating, Deduct</i> .....	-442.01	
			<i>For Class 54 Rating, Add</i> .....	609.32	
			<i>For Class 55 Rating, Add</i> .....	909.24	
			<i>For Class 56 Rating, Add</i> .....	1,205.14	
40 05 19 00-1182	EA		10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,679.91	364.72
			<i>For Class 52 Rating, Deduct</i> .....	-454.00	
			<i>For Class 54 Rating, Add</i> .....	625.73	
			<i>For Class 55 Rating, Add</i> .....	933.65	
			<i>For Class 56 Rating, Add</i> .....	1,237.45	
40 05 19 00-1183	EA		10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,792.81	367.26
			<i>For Class 52 Rating, Deduct</i> .....	-466.00	
			<i>For Class 54 Rating, Add</i> .....	642.13	
			<i>For Class 55 Rating, Add</i> .....	958.06	
			<i>For Class 56 Rating, Add</i> .....	1,269.76	
40 05 19 00-1184	EA		10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,905.71	369.79
			<i>For Class 52 Rating, Deduct</i> .....	-478.00	
			<i>For Class 54 Rating, Add</i> .....	658.54	
			<i>For Class 55 Rating, Add</i> .....	982.48	
			<i>For Class 56 Rating, Add</i> .....	1,302.07	
40 05 19 00-1185	EA		10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,018.61	372.32
			<i>For Class 52 Rating, Deduct</i> .....	-489.99	
			<i>For Class 54 Rating, Add</i> .....	674.94	
			<i>For Class 55 Rating, Add</i> .....	1,006.89	
			<i>For Class 56 Rating, Add</i> .....	1,334.38	
40 05 19 00-1186	EA		10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,131.50	374.87
			<i>For Class 52 Rating, Deduct</i> .....	-501.99	
			<i>For Class 54 Rating, Add</i> .....	691.35	
			<i>For Class 55 Rating, Add</i> .....	1,031.30	
			<i>For Class 56 Rating, Add</i> .....	1,366.69	
40 05 19 00-1187	EA		10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,244.40	377.39
			<i>For Class 52 Rating, Deduct</i> .....	-513.99	
			<i>For Class 54 Rating, Add</i> .....	707.75	
			<i>For Class 55 Rating, Add</i> .....	1,055.71	
			<i>For Class 56 Rating, Add</i> .....	1,399.00	
40 05 19 00-1188	EA		10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,357.29	379.92
			<i>For Class 52 Rating, Deduct</i> .....	-525.98	
			<i>For Class 54 Rating, Add</i> .....	724.16	
			<i>For Class 55 Rating, Add</i> .....	1,080.12	
			<i>For Class 56 Rating, Add</i> .....	1,431.31	

**40 05 19 00-1189 12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe** (40 05 19 00-1028)

40 05 19 00-1190	EA		12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,387.16	354.59
			<i>For Class 52 Rating, Deduct</i> .....	-93.49	
			<i>For Class 54 Rating, Add</i> .....	133.93	
			<i>For Class 55 Rating, Add</i> .....	202.42	
			<i>For Class 56 Rating, Add</i> .....	270.06	
40 05 19 00-1191	EA		12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,528.27	357.14
			<i>For Class 52 Rating, Deduct</i> .....	-108.59	
			<i>For Class 54 Rating, Add</i> .....	154.57	
			<i>For Class 55 Rating, Add</i> .....	233.13	
			<i>For Class 56 Rating, Add</i> .....	310.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1192 EA 12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,669.37	359.66
<i>For Class 52 Rating, Deduct</i>	-123.69	
<i>For Class 54 Rating, Add</i>	175.20	
<i>For Class 55 Rating, Add</i>	263.83	
<i>For Class 56 Rating, Add</i>	351.32	
40 05 19 00-1193 EA 12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,810.46	362.19
<i>For Class 52 Rating, Deduct</i>	-138.79	
<i>For Class 54 Rating, Add</i>	195.84	
<i>For Class 55 Rating, Add</i>	294.53	
<i>For Class 56 Rating, Add</i>	391.95	
40 05 19 00-1194 EA 12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,951.57	364.72
<i>For Class 52 Rating, Deduct</i>	-153.89	
<i>For Class 54 Rating, Add</i>	216.48	
<i>For Class 55 Rating, Add</i>	325.23	
<i>For Class 56 Rating, Add</i>	432.59	
40 05 19 00-1195 EA 12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,092.67	367.26
<i>For Class 52 Rating, Deduct</i>	-168.98	
<i>For Class 54 Rating, Add</i>	237.11	
<i>For Class 55 Rating, Add</i>	355.93	
<i>For Class 56 Rating, Add</i>	473.22	
40 05 19 00-1196 EA 12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,233.77	369.79
<i>For Class 52 Rating, Deduct</i>	-184.08	
<i>For Class 54 Rating, Add</i>	257.75	
<i>For Class 55 Rating, Add</i>	386.63	
<i>For Class 56 Rating, Add</i>	513.85	
40 05 19 00-1197 EA 12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,374.88	372.32
<i>For Class 52 Rating, Deduct</i>	-199.18	
<i>For Class 54 Rating, Add</i>	278.38	
<i>For Class 55 Rating, Add</i>	417.34	
<i>For Class 56 Rating, Add</i>	554.48	
40 05 19 00-1198 EA 12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,515.97	374.87
<i>For Class 52 Rating, Deduct</i>	-214.28	
<i>For Class 54 Rating, Add</i>	299.02	
<i>For Class 55 Rating, Add</i>	448.04	
<i>For Class 56 Rating, Add</i>	595.11	
40 05 19 00-1199 EA 12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,657.07	377.39
<i>For Class 52 Rating, Deduct</i>	-229.38	
<i>For Class 54 Rating, Add</i>	319.65	
<i>For Class 55 Rating, Add</i>	478.74	
<i>For Class 56 Rating, Add</i>	635.74	
40 05 19 00-1200 EA 12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,798.18	379.92
<i>For Class 52 Rating, Deduct</i>	-244.48	
<i>For Class 54 Rating, Add</i>	340.29	
<i>For Class 55 Rating, Add</i>	509.44	
<i>For Class 56 Rating, Add</i>	676.37	
40 05 19 00-1201 EA 12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,939.28	382.45
<i>For Class 52 Rating, Deduct</i>	-259.58	
<i>For Class 54 Rating, Add</i>	360.92	
<i>For Class 55 Rating, Add</i>	540.14	
<i>For Class 56 Rating, Add</i>	717.00	
40 05 19 00-1202 EA 12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,080.37	384.99
<i>For Class 52 Rating, Deduct</i>	-274.68	
<i>For Class 54 Rating, Add</i>	381.56	
<i>For Class 55 Rating, Add</i>	570.84	
<i>For Class 56 Rating, Add</i>	757.63	
40 05 19 00-1203 EA 12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,221.48	387.52
<i>For Class 52 Rating, Deduct</i>	-289.78	
<i>For Class 54 Rating, Add</i>	402.20	
<i>For Class 55 Rating, Add</i>	601.55	
<i>For Class 56 Rating, Add</i>	798.26	
40 05 19 00-1204 EA 12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,362.58	390.05
<i>For Class 52 Rating, Deduct</i>	-304.87	
<i>For Class 54 Rating, Add</i>	422.83	
<i>For Class 55 Rating, Add</i>	632.25	
<i>For Class 56 Rating, Add</i>	838.89	
40 05 19 00-1205 EA 12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,503.68	392.59
<i>For Class 52 Rating, Deduct</i>	-319.97	
<i>For Class 54 Rating, Add</i>	443.47	
<i>For Class 55 Rating, Add</i>	662.95	
<i>For Class 56 Rating, Add</i>	879.53	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1206	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	3,644.79	395.12
		<i>For Class 52 Rating, Deduct</i>		-335.07	
		<i>For Class 54 Rating, Add</i>		464.10	
		<i>For Class 55 Rating, Add</i>		693.65	
		<i>For Class 56 Rating, Add</i>		920.16	
40 05 19 00-1207	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	3,785.88	397.65
		<i>For Class 52 Rating, Deduct</i>		-350.17	
		<i>For Class 54 Rating, Add</i>		484.74	
		<i>For Class 55 Rating, Add</i>		724.35	
		<i>For Class 56 Rating, Add</i>		960.79	
40 05 19 00-1208	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	3,926.99	400.18
		<i>For Class 52 Rating, Deduct</i>		-365.27	
		<i>For Class 54 Rating, Add</i>		505.37	
		<i>For Class 55 Rating, Add</i>		755.06	
		<i>For Class 56 Rating, Add</i>		1,001.42	
40 05 19 00-1209	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	4,068.09	402.72
		<i>For Class 52 Rating, Deduct</i>		-380.37	
		<i>For Class 54 Rating, Add</i>		526.01	
		<i>For Class 55 Rating, Add</i>		785.76	
		<i>For Class 56 Rating, Add</i>		1,042.05	
40 05 19 00-1210	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	4,209.18	405.25
		<i>For Class 52 Rating, Deduct</i>		-395.47	
		<i>For Class 54 Rating, Add</i>		546.64	
		<i>For Class 55 Rating, Add</i>		816.46	
		<i>For Class 56 Rating, Add</i>		1,082.68	
40 05 19 00-1211	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	4,350.30	407.78
		<i>For Class 52 Rating, Deduct</i>		-410.57	
		<i>For Class 54 Rating, Add</i>		567.28	
		<i>For Class 55 Rating, Add</i>		847.16	
		<i>For Class 56 Rating, Add</i>		1,123.31	
40 05 19 00-1212	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	4,491.39	410.32
		<i>For Class 52 Rating, Deduct</i>		-425.67	
		<i>For Class 54 Rating, Add</i>		587.92	
		<i>For Class 55 Rating, Add</i>		877.86	
		<i>For Class 56 Rating, Add</i>		1,163.94	
40 05 19 00-1213	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	4,632.48	412.85
		<i>For Class 52 Rating, Deduct</i>		-440.77	
		<i>For Class 54 Rating, Add</i>		608.55	
		<i>For Class 55 Rating, Add</i>		908.56	
		<i>For Class 56 Rating, Add</i>		1,204.57	
40 05 19 00-1214	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	4,773.60	415.38
		<i>For Class 52 Rating, Deduct</i>		-455.87	
		<i>For Class 54 Rating, Add</i>		629.19	
		<i>For Class 55 Rating, Add</i>		939.27	
		<i>For Class 56 Rating, Add</i>		1,245.21	
40 05 19 00-1215	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	4,914.69	417.91
		<i>For Class 52 Rating, Deduct</i>		-470.96	
		<i>For Class 54 Rating, Add</i>		649.82	
		<i>For Class 55 Rating, Add</i>		969.97	
		<i>For Class 56 Rating, Add</i>		1,285.83	
40 05 19 00-1216	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	5,055.79	420.46
		<i>For Class 52 Rating, Deduct</i>		-486.06	
		<i>For Class 54 Rating, Add</i>		670.46	
		<i>For Class 55 Rating, Add</i>		1,000.67	
		<i>For Class 56 Rating, Add</i>		1,326.46	
40 05 19 00-1217	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	5,196.90	422.98
		<i>For Class 52 Rating, Deduct</i>		-501.16	
		<i>For Class 54 Rating, Add</i>		691.09	
		<i>For Class 55 Rating, Add</i>		1,031.37	
		<i>For Class 56 Rating, Add</i>		1,367.10	
40 05 19 00-1218	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	5,337.99	425.51
		<i>For Class 52 Rating, Deduct</i>		-516.26	
		<i>For Class 54 Rating, Add</i>		711.73	
		<i>For Class 55 Rating, Add</i>		1,062.07	
		<i>For Class 56 Rating, Add</i>		1,407.73	
40 05 19 00-1219	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	5,479.10	428.04
		<i>For Class 52 Rating, Deduct</i>		-531.36	
		<i>For Class 54 Rating, Add</i>		732.36	
		<i>For Class 55 Rating, Add</i>		1,092.78	
		<i>For Class 56 Rating, Add</i>		1,448.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1220 EA 12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,620.20	430.58
<i>For Class 52 Rating, Deduct</i>	-546.46	
<i>For Class 54 Rating, Add</i>	753.00	
<i>For Class 55 Rating, Add</i>	1,123.48	
<i>For Class 56 Rating, Add</i>	1,488.99	
40 05 19 00-1221 EA 12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,761.30	433.11
<i>For Class 52 Rating, Deduct</i>	-561.56	
<i>For Class 54 Rating, Add</i>	773.64	
<i>For Class 55 Rating, Add</i>	1,154.18	
<i>For Class 56 Rating, Add</i>	1,529.62	
40 05 19 00-1222 EA 12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,902.40	435.64
<i>For Class 52 Rating, Deduct</i>	-576.66	
<i>For Class 54 Rating, Add</i>	794.27	
<i>For Class 55 Rating, Add</i>	1,184.88	
<i>For Class 56 Rating, Add</i>	1,570.25	
40 05 19 00-1223 EA 12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,043.50	438.19
<i>For Class 52 Rating, Deduct</i>	-591.76	
<i>For Class 54 Rating, Add</i>	814.91	
<i>For Class 55 Rating, Add</i>	1,215.58	
<i>For Class 56 Rating, Add</i>	1,610.88	
40 05 19 00-1224 EA 12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,184.60	440.71
<i>For Class 52 Rating, Deduct</i>	-606.85	
<i>For Class 54 Rating, Add</i>	835.54	
<i>For Class 55 Rating, Add</i>	1,246.29	
<i>For Class 56 Rating, Add</i>	1,651.51	
40 05 19 00-1225 EA 12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,325.70	443.24
<i>For Class 52 Rating, Deduct</i>	-621.95	
<i>For Class 54 Rating, Add</i>	856.18	
<i>For Class 55 Rating, Add</i>	1,276.99	
<i>For Class 56 Rating, Add</i>	1,692.14	
40 05 19 00-1226 EA 12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,466.81	445.77
<i>For Class 52 Rating, Deduct</i>	-637.05	
<i>For Class 54 Rating, Add</i>	876.81	
<i>For Class 55 Rating, Add</i>	1,307.69	
<i>For Class 56 Rating, Add</i>	1,732.78	
40 05 19 00-1227 EA 12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,607.90	448.31
<i>For Class 52 Rating, Deduct</i>	-652.15	
<i>For Class 54 Rating, Add</i>	897.45	
<i>For Class 55 Rating, Add</i>	1,338.39	
<i>For Class 56 Rating, Add</i>	1,773.40	
40 05 19 00-1228 EA 12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,749.00	450.84
<i>For Class 52 Rating, Deduct</i>	-667.25	
<i>For Class 54 Rating, Add</i>	918.08	
<i>For Class 55 Rating, Add</i>	1,369.09	
<i>For Class 56 Rating, Add</i>	1,814.03	
<b>40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1230 EA 14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,857.52	425.51
<i>For Class 52 Rating, Deduct</i>	-133.41	
<i>For Class 54 Rating, Add</i>	189.66	
<i>For Class 55 Rating, Add</i>	285.93	
<i>For Class 56 Rating, Add</i>	380.99	
40 05 19 00-1231 EA 14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,028.71	428.04
<i>For Class 52 Rating, Deduct</i>	-151.82	
<i>For Class 54 Rating, Add</i>	214.81	
<i>For Class 55 Rating, Add</i>	323.34	
<i>For Class 56 Rating, Add</i>	430.49	
40 05 19 00-1232 EA 14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,199.89	430.58
<i>For Class 52 Rating, Deduct</i>	-170.23	
<i>For Class 54 Rating, Add</i>	239.95	
<i>For Class 55 Rating, Add</i>	360.75	
<i>For Class 56 Rating, Add</i>	480.00	
40 05 19 00-1233 EA 14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,371.08	433.11
<i>For Class 52 Rating, Deduct</i>	-188.63	
<i>For Class 54 Rating, Add</i>	265.10	
<i>For Class 55 Rating, Add</i>	398.16	
<i>For Class 56 Rating, Add</i>	529.51	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1234	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,542.27	435.64
		<i>For Class 52 Rating, Deduct</i>		-207.04	
		<i>For Class 54 Rating, Add</i>		290.25	
		<i>For Class 55 Rating, Add</i>		435.57	
		<i>For Class 56 Rating, Add</i>		579.01	
40 05 19 00-1235	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,713.45	438.19
		<i>For Class 52 Rating, Deduct</i>		-225.45	
		<i>For Class 54 Rating, Add</i>		315.40	
		<i>For Class 55 Rating, Add</i>		472.98	
		<i>For Class 56 Rating, Add</i>		628.52	
40 05 19 00-1236	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,884.64	440.71
		<i>For Class 52 Rating, Deduct</i>		-243.86	
		<i>For Class 54 Rating, Add</i>		340.55	
		<i>For Class 55 Rating, Add</i>		510.39	
		<i>For Class 56 Rating, Add</i>		678.02	
40 05 19 00-1237	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,055.83	443.24
		<i>For Class 52 Rating, Deduct</i>		-262.27	
		<i>For Class 54 Rating, Add</i>		365.70	
		<i>For Class 55 Rating, Add</i>		547.81	
		<i>For Class 56 Rating, Add</i>		727.53	
40 05 19 00-1238	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,227.01	445.77
		<i>For Class 52 Rating, Deduct</i>		-280.67	
		<i>For Class 54 Rating, Add</i>		390.84	
		<i>For Class 55 Rating, Add</i>		585.21	
		<i>For Class 56 Rating, Add</i>		777.03	
40 05 19 00-1239	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,398.19	448.31
		<i>For Class 52 Rating, Deduct</i>		-299.08	
		<i>For Class 54 Rating, Add</i>		415.99	
		<i>For Class 55 Rating, Add</i>		622.63	
		<i>For Class 56 Rating, Add</i>		826.54	
40 05 19 00-1240	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,569.38	450.84
		<i>For Class 52 Rating, Deduct</i>		-317.49	
		<i>For Class 54 Rating, Add</i>		441.14	
		<i>For Class 55 Rating, Add</i>		660.04	
		<i>For Class 56 Rating, Add</i>		876.05	
40 05 19 00-1241	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,740.57	453.37
		<i>For Class 52 Rating, Deduct</i>		-335.90	
		<i>For Class 54 Rating, Add</i>		466.29	
		<i>For Class 55 Rating, Add</i>		697.45	
		<i>For Class 56 Rating, Add</i>		925.55	
40 05 19 00-1242	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,911.76	455.91
		<i>For Class 52 Rating, Deduct</i>		-354.31	
		<i>For Class 54 Rating, Add</i>		491.44	
		<i>For Class 55 Rating, Add</i>		734.86	
		<i>For Class 56 Rating, Add</i>		975.06	
40 05 19 00-1243	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,082.95	458.44
		<i>For Class 52 Rating, Deduct</i>		-372.72	
		<i>For Class 54 Rating, Add</i>		516.59	
		<i>For Class 55 Rating, Add</i>		772.27	
		<i>For Class 56 Rating, Add</i>		1,024.57	
40 05 19 00-1244	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,254.13	460.97
		<i>For Class 52 Rating, Deduct</i>		-391.13	
		<i>For Class 54 Rating, Add</i>		541.73	
		<i>For Class 55 Rating, Add</i>		809.68	
		<i>For Class 56 Rating, Add</i>		1,074.07	
40 05 19 00-1245	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,425.31	463.50
		<i>For Class 52 Rating, Deduct</i>		-409.53	
		<i>For Class 54 Rating, Add</i>		566.88	
		<i>For Class 55 Rating, Add</i>		847.09	
		<i>For Class 56 Rating, Add</i>		1,123.58	
40 05 19 00-1246	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,596.50	466.04
		<i>For Class 52 Rating, Deduct</i>		-427.94	
		<i>For Class 54 Rating, Add</i>		592.03	
		<i>For Class 55 Rating, Add</i>		884.50	
		<i>For Class 56 Rating, Add</i>		1,173.08	
40 05 19 00-1247	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,767.68	468.57
		<i>For Class 52 Rating, Deduct</i>		-446.35	
		<i>For Class 54 Rating, Add</i>		617.18	
		<i>For Class 55 Rating, Add</i>		921.91	
		<i>For Class 56 Rating, Add</i>		1,222.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1248 EA 14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,938.87	471.10
<i>For Class 52 Rating, Deduct</i>	-464.76	
<i>For Class 54 Rating, Add</i>	642.33	
<i>For Class 55 Rating, Add</i>	959.32	
<i>For Class 56 Rating, Add</i>	1,272.10	
40 05 19 00-1249 EA 14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,110.06	473.64
<i>For Class 52 Rating, Deduct</i>	-483.17	
<i>For Class 54 Rating, Add</i>	667.48	
<i>For Class 55 Rating, Add</i>	996.74	
<i>For Class 56 Rating, Add</i>	1,321.60	
40 05 19 00-1250 EA 14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,281.25	476.17
<i>For Class 52 Rating, Deduct</i>	-501.58	
<i>For Class 54 Rating, Add</i>	692.62	
<i>For Class 55 Rating, Add</i>	1,034.15	
<i>For Class 56 Rating, Add</i>	1,371.11	
40 05 19 00-1251 EA 14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,452.43	478.70
<i>For Class 52 Rating, Deduct</i>	-519.98	
<i>For Class 54 Rating, Add</i>	717.77	
<i>For Class 55 Rating, Add</i>	1,071.56	
<i>For Class 56 Rating, Add</i>	1,420.61	
40 05 19 00-1252 EA 14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,623.61	481.23
<i>For Class 52 Rating, Deduct</i>	-538.39	
<i>For Class 54 Rating, Add</i>	742.92	
<i>For Class 55 Rating, Add</i>	1,108.97	
<i>For Class 56 Rating, Add</i>	1,470.12	
40 05 19 00-1253 EA 14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,794.80	483.78
<i>For Class 52 Rating, Deduct</i>	-556.80	
<i>For Class 54 Rating, Add</i>	768.07	
<i>For Class 55 Rating, Add</i>	1,146.38	
<i>For Class 56 Rating, Add</i>	1,519.62	
40 05 19 00-1254 EA 14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,965.99	486.30
<i>For Class 52 Rating, Deduct</i>	-575.21	
<i>For Class 54 Rating, Add</i>	793.22	
<i>For Class 55 Rating, Add</i>	1,183.79	
<i>For Class 56 Rating, Add</i>	1,569.13	
40 05 19 00-1255 EA 14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,137.17	488.83
<i>For Class 52 Rating, Deduct</i>	-593.62	
<i>For Class 54 Rating, Add</i>	818.37	
<i>For Class 55 Rating, Add</i>	1,221.20	
<i>For Class 56 Rating, Add</i>	1,618.64	
40 05 19 00-1256 EA 14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,308.37	491.37
<i>For Class 52 Rating, Deduct</i>	-612.03	
<i>For Class 54 Rating, Add</i>	843.51	
<i>For Class 55 Rating, Add</i>	1,258.61	
<i>For Class 56 Rating, Add</i>	1,668.14	
40 05 19 00-1257 EA 14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,479.55	493.90
<i>For Class 52 Rating, Deduct</i>	-630.43	
<i>For Class 54 Rating, Add</i>	868.66	
<i>For Class 55 Rating, Add</i>	1,296.02	
<i>For Class 56 Rating, Add</i>	1,717.65	
40 05 19 00-1258 EA 14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,650.72	496.43
<i>For Class 52 Rating, Deduct</i>	-648.84	
<i>For Class 54 Rating, Add</i>	893.81	
<i>For Class 55 Rating, Add</i>	1,333.43	
<i>For Class 56 Rating, Add</i>	1,767.15	
40 05 19 00-1259 EA 14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,821.92	498.96
<i>For Class 52 Rating, Deduct</i>	-667.25	
<i>For Class 54 Rating, Add</i>	918.96	
<i>For Class 55 Rating, Add</i>	1,370.84	
<i>For Class 56 Rating, Add</i>	1,816.66	
40 05 19 00-1260 EA 14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,993.10	501.51
<i>For Class 52 Rating, Deduct</i>	-685.66	
<i>For Class 54 Rating, Add</i>	944.11	
<i>For Class 55 Rating, Add</i>	1,408.25	
<i>For Class 56 Rating, Add</i>	1,866.17	
40 05 19 00-1261 EA 14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,164.30	504.03
<i>For Class 52 Rating, Deduct</i>	-704.07	
<i>For Class 54 Rating, Add</i>	969.26	
<i>For Class 55 Rating, Add</i>	1,445.66	
<i>For Class 56 Rating, Add</i>	1,915.67	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1262	EA		14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,335.48	506.56
			<i>For Class 52 Rating, Deduct</i> .....	-722.48	
			<i>For Class 54 Rating, Add</i> .....	994.40	
			<i>For Class 55 Rating, Add</i> .....	1,483.08	
			<i>For Class 56 Rating, Add</i> .....	1,965.18	
40 05 19 00-1263	EA		14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,506.66	509.09
			<i>For Class 52 Rating, Deduct</i> .....	-740.88	
			<i>For Class 54 Rating, Add</i> .....	1,019.55	
			<i>For Class 55 Rating, Add</i> .....	1,520.49	
			<i>For Class 56 Rating, Add</i> .....	2,014.69	
40 05 19 00-1264	EA		14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,677.85	511.63
			<i>For Class 52 Rating, Deduct</i> .....	-759.29	
			<i>For Class 54 Rating, Add</i> .....	1,044.70	
			<i>For Class 55 Rating, Add</i> .....	1,557.90	
			<i>For Class 56 Rating, Add</i> .....	2,064.19	
40 05 19 00-1265	EA		14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,849.03	514.16
			<i>For Class 52 Rating, Deduct</i> .....	-777.70	
			<i>For Class 54 Rating, Add</i> .....	1,069.85	
			<i>For Class 55 Rating, Add</i> .....	1,595.31	
			<i>For Class 56 Rating, Add</i> .....	2,113.70	
40 05 19 00-1266	EA		14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,020.22	516.69
			<i>For Class 52 Rating, Deduct</i> .....	-796.11	
			<i>For Class 54 Rating, Add</i> .....	1,095.00	
			<i>For Class 55 Rating, Add</i> .....	1,632.72	
			<i>For Class 56 Rating, Add</i> .....	2,163.20	
40 05 19 00-1267	EA		14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,191.41	519.23
			<i>For Class 52 Rating, Deduct</i> .....	-814.52	
			<i>For Class 54 Rating, Add</i> .....	1,120.15	
			<i>For Class 55 Rating, Add</i> .....	1,670.13	
			<i>For Class 56 Rating, Add</i> .....	2,212.71	
<b>40 05 19 00-1268</b>			<b>16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1269	EA		16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,171.50	486.30
			<i>For Class 52 Rating, Deduct</i> .....	-157.81	
			<i>For Class 54 Rating, Add</i> .....	224.04	
			<i>For Class 55 Rating, Add</i> .....	337.62	
			<i>For Class 56 Rating, Add</i> .....	449.76	
40 05 19 00-1270	EA		16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,370.89	488.83
			<i>For Class 52 Rating, Deduct</i> .....	-179.33	
			<i>For Class 54 Rating, Add</i> .....	253.42	
			<i>For Class 55 Rating, Add</i> .....	381.32	
			<i>For Class 56 Rating, Add</i> .....	507.58	
40 05 19 00-1271	EA		16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,570.29	491.37
			<i>For Class 52 Rating, Deduct</i> .....	-200.84	
			<i>For Class 54 Rating, Add</i> .....	282.80	
			<i>For Class 55 Rating, Add</i> .....	425.02	
			<i>For Class 56 Rating, Add</i> .....	565.41	
40 05 19 00-1272	EA		16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,769.67	493.90
			<i>For Class 52 Rating, Deduct</i> .....	-222.35	
			<i>For Class 54 Rating, Add</i> .....	312.18	
			<i>For Class 55 Rating, Add</i> .....	468.72	
			<i>For Class 56 Rating, Add</i> .....	623.24	
40 05 19 00-1273	EA		16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,969.06	496.43
			<i>For Class 52 Rating, Deduct</i> .....	-243.86	
			<i>For Class 54 Rating, Add</i> .....	341.56	
			<i>For Class 55 Rating, Add</i> .....	512.42	
			<i>For Class 56 Rating, Add</i> .....	681.06	
40 05 19 00-1274	EA		16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,168.46	498.96
			<i>For Class 52 Rating, Deduct</i> .....	-265.37	
			<i>For Class 54 Rating, Add</i> .....	370.94	
			<i>For Class 55 Rating, Add</i> .....	556.12	
			<i>For Class 56 Rating, Add</i> .....	738.89	
40 05 19 00-1275	EA		16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,367.84	501.51
			<i>For Class 52 Rating, Deduct</i> .....	-286.88	
			<i>For Class 54 Rating, Add</i> .....	400.32	
			<i>For Class 55 Rating, Add</i> .....	599.82	
			<i>For Class 56 Rating, Add</i> .....	796.71	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1276 EA 16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,567.25	504.03
<i>For Class 52 Rating, Deduct</i>	-308.39	
<i>For Class 54 Rating, Add</i>	429.70	
<i>For Class 55 Rating, Add</i>	643.52	
<i>For Class 56 Rating, Add</i>	854.54	
40 05 19 00-1277 EA 16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,766.63	506.56
<i>For Class 52 Rating, Deduct</i>	-329.90	
<i>For Class 54 Rating, Add</i>	459.08	
<i>For Class 55 Rating, Add</i>	687.22	
<i>For Class 56 Rating, Add</i>	912.37	
40 05 19 00-1278 EA 16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,966.01	509.09
<i>For Class 52 Rating, Deduct</i>	-351.41	
<i>For Class 54 Rating, Add</i>	488.46	
<i>For Class 55 Rating, Add</i>	730.92	
<i>For Class 56 Rating, Add</i>	970.19	
40 05 19 00-1279 EA 16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,165.42	511.63
<i>For Class 52 Rating, Deduct</i>	-372.92	
<i>For Class 54 Rating, Add</i>	517.84	
<i>For Class 55 Rating, Add</i>	774.62	
<i>For Class 56 Rating, Add</i>	1,028.02	
40 05 19 00-1280 EA 16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,364.80	514.16
<i>For Class 52 Rating, Deduct</i>	-394.43	
<i>For Class 54 Rating, Add</i>	547.21	
<i>For Class 55 Rating, Add</i>	818.32	
<i>For Class 56 Rating, Add</i>	1,085.85	
40 05 19 00-1281 EA 16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,564.19	516.69
<i>For Class 52 Rating, Deduct</i>	-415.95	
<i>For Class 54 Rating, Add</i>	576.59	
<i>For Class 55 Rating, Add</i>	862.02	
<i>For Class 56 Rating, Add</i>	1,143.67	
40 05 19 00-1282 EA 16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,763.59	519.23
<i>For Class 52 Rating, Deduct</i>	-437.46	
<i>For Class 54 Rating, Add</i>	605.97	
<i>For Class 55 Rating, Add</i>	905.73	
<i>For Class 56 Rating, Add</i>	1,201.50	
40 05 19 00-1283 EA 16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,962.97	521.76
<i>For Class 52 Rating, Deduct</i>	-458.97	
<i>For Class 54 Rating, Add</i>	635.35	
<i>For Class 55 Rating, Add</i>	949.42	
<i>For Class 56 Rating, Add</i>	1,259.33	
40 05 19 00-1284 EA 16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,162.36	524.29
<i>For Class 52 Rating, Deduct</i>	-480.48	
<i>For Class 54 Rating, Add</i>	664.73	
<i>For Class 55 Rating, Add</i>	993.12	
<i>For Class 56 Rating, Add</i>	1,317.15	
40 05 19 00-1285 EA 16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,361.76	526.82
<i>For Class 52 Rating, Deduct</i>	-501.99	
<i>For Class 54 Rating, Add</i>	694.11	
<i>For Class 55 Rating, Add</i>	1,036.83	
<i>For Class 56 Rating, Add</i>	1,374.98	
40 05 19 00-1286 EA 16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,561.15	529.36
<i>For Class 52 Rating, Deduct</i>	-523.50	
<i>For Class 54 Rating, Add</i>	723.49	
<i>For Class 55 Rating, Add</i>	1,080.53	
<i>For Class 56 Rating, Add</i>	1,432.81	
40 05 19 00-1287 EA 16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,760.54	531.89
<i>For Class 52 Rating, Deduct</i>	-545.01	
<i>For Class 54 Rating, Add</i>	752.87	
<i>For Class 55 Rating, Add</i>	1,124.23	
<i>For Class 56 Rating, Add</i>	1,490.63	
40 05 19 00-1288 EA 16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,959.93	534.42
<i>For Class 52 Rating, Deduct</i>	-566.52	
<i>For Class 54 Rating, Add</i>	782.25	
<i>For Class 55 Rating, Add</i>	1,167.93	
<i>For Class 56 Rating, Add</i>	1,548.46	
40 05 19 00-1289 EA 16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,159.32	536.96
<i>For Class 52 Rating, Deduct</i>	-588.03	
<i>For Class 54 Rating, Add</i>	811.63	
<i>For Class 55 Rating, Add</i>	1,211.63	
<i>For Class 56 Rating, Add</i>	1,606.28	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1290	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,358.71		539.49
		<i>For Class 52 Rating, Deduct</i>	-609.54		
		<i>For Class 54 Rating, Add</i>	841.00		
		<i>For Class 55 Rating, Add</i>	1,255.33		
		<i>For Class 56 Rating, Add</i>	1,664.11		
40 05 19 00-1291	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,558.11		542.02
		<i>For Class 52 Rating, Deduct</i>	-631.05		
		<i>For Class 54 Rating, Add</i>	870.38		
		<i>For Class 55 Rating, Add</i>	1,299.03		
		<i>For Class 56 Rating, Add</i>	1,721.94		
40 05 19 00-1292	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,757.49		544.55
		<i>For Class 52 Rating, Deduct</i>	-652.57		
		<i>For Class 54 Rating, Add</i>	899.76		
		<i>For Class 55 Rating, Add</i>	1,342.73		
		<i>For Class 56 Rating, Add</i>	1,779.76		
40 05 19 00-1293	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,956.88		547.10
		<i>For Class 52 Rating, Deduct</i>	-674.08		
		<i>For Class 54 Rating, Add</i>	929.14		
		<i>For Class 55 Rating, Add</i>	1,386.43		
		<i>For Class 56 Rating, Add</i>	1,837.59		
40 05 19 00-1294	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,156.28		549.62
		<i>For Class 52 Rating, Deduct</i>	-695.59		
		<i>For Class 54 Rating, Add</i>	958.52		
		<i>For Class 55 Rating, Add</i>	1,430.13		
		<i>For Class 56 Rating, Add</i>	1,895.42		
40 05 19 00-1295	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,355.66		552.15
		<i>For Class 52 Rating, Deduct</i>	-717.10		
		<i>For Class 54 Rating, Add</i>	987.90		
		<i>For Class 55 Rating, Add</i>	1,473.83		
		<i>For Class 56 Rating, Add</i>	1,953.24		
40 05 19 00-1296	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,555.06		554.69
		<i>For Class 52 Rating, Deduct</i>	-738.61		
		<i>For Class 54 Rating, Add</i>	1,017.28		
		<i>For Class 55 Rating, Add</i>	1,517.53		
		<i>For Class 56 Rating, Add</i>	2,011.07		
40 05 19 00-1297	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,754.45		557.22
		<i>For Class 52 Rating, Deduct</i>	-760.12		
		<i>For Class 54 Rating, Add</i>	1,046.66		
		<i>For Class 55 Rating, Add</i>	1,561.23		
		<i>For Class 56 Rating, Add</i>	2,068.90		
40 05 19 00-1298	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,953.84		559.75
		<i>For Class 52 Rating, Deduct</i>	-781.63		
		<i>For Class 54 Rating, Add</i>	1,076.04		
		<i>For Class 55 Rating, Add</i>	1,604.93		
		<i>For Class 56 Rating, Add</i>	2,126.72		
40 05 19 00-1299	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,153.23		562.28
		<i>For Class 52 Rating, Deduct</i>	-803.14		
		<i>For Class 54 Rating, Add</i>	1,105.42		
		<i>For Class 55 Rating, Add</i>	1,648.63		
		<i>For Class 56 Rating, Add</i>	2,184.55		
40 05 19 00-1300	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,352.62		564.83
		<i>For Class 52 Rating, Deduct</i>	-824.65		
		<i>For Class 54 Rating, Add</i>	1,134.80		
		<i>For Class 55 Rating, Add</i>	1,692.33		
		<i>For Class 56 Rating, Add</i>	2,242.38		
40 05 19 00-1301	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,552.01		567.35
		<i>For Class 52 Rating, Deduct</i>	-846.16		
		<i>For Class 54 Rating, Add</i>	1,164.17		
		<i>For Class 55 Rating, Add</i>	1,736.03		
		<i>For Class 56 Rating, Add</i>	2,300.20		
40 05 19 00-1302	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,751.40		569.88
		<i>For Class 52 Rating, Deduct</i>	-867.67		
		<i>For Class 54 Rating, Add</i>	1,193.55		
		<i>For Class 55 Rating, Add</i>	1,779.73		
		<i>For Class 56 Rating, Add</i>	2,358.03		
40 05 19 00-1303	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,950.79		572.41
		<i>For Class 52 Rating, Deduct</i>	-889.19		
		<i>For Class 54 Rating, Add</i>	1,222.93		
		<i>For Class 55 Rating, Add</i>	1,823.44		
		<i>For Class 56 Rating, Add</i>	2,415.85		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1304 EA 16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,150.19	574.95
<i>For Class 52 Rating, Deduct</i>	-910.70	
<i>For Class 54 Rating, Add</i>	1,252.31	
<i>For Class 55 Rating, Add</i>	1,867.14	
<i>For Class 56 Rating, Add</i>	2,473.68	
40 05 19 00-1305 EA 16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,349.57	577.48
<i>For Class 52 Rating, Deduct</i>	-932.21	
<i>For Class 54 Rating, Add</i>	1,281.69	
<i>For Class 55 Rating, Add</i>	1,910.84	
<i>For Class 56 Rating, Add</i>	2,531.51	
40 05 19 00-1306 EA 16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,548.96	580.01
<i>For Class 52 Rating, Deduct</i>	-953.72	
<i>For Class 54 Rating, Add</i>	1,311.07	
<i>For Class 55 Rating, Add</i>	1,954.54	
<i>For Class 56 Rating, Add</i>	2,589.33	
<b>40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1308 EA 18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,513.34	548.10
<i>For Class 52 Rating, Deduct</i>	-185.12	
<i>For Class 54 Rating, Add</i>	262.40	
<i>For Class 55 Rating, Add</i>	395.22	
<i>For Class 56 Rating, Add</i>	526.35	
40 05 19 00-1309 EA 18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,742.82	550.63
<i>For Class 52 Rating, Deduct</i>	-209.94	
<i>For Class 54 Rating, Add</i>	296.29	
<i>For Class 55 Rating, Add</i>	445.62	
<i>For Class 56 Rating, Add</i>	593.05	
40 05 19 00-1310 EA 18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,972.29	553.17
<i>For Class 52 Rating, Deduct</i>	-234.76	
<i>For Class 54 Rating, Add</i>	330.18	
<i>For Class 55 Rating, Add</i>	496.03	
<i>For Class 56 Rating, Add</i>	659.75	
40 05 19 00-1311 EA 18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,201.77	555.70
<i>For Class 52 Rating, Deduct</i>	-259.58	
<i>For Class 54 Rating, Add</i>	364.07	
<i>For Class 55 Rating, Add</i>	546.44	
<i>For Class 56 Rating, Add</i>	726.45	
40 05 19 00-1312 EA 18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,431.25	558.23
<i>For Class 52 Rating, Deduct</i>	-284.40	
<i>For Class 54 Rating, Add</i>	397.97	
<i>For Class 55 Rating, Add</i>	596.85	
<i>For Class 56 Rating, Add</i>	793.15	
40 05 19 00-1313 EA 18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,660.72	560.77
<i>For Class 52 Rating, Deduct</i>	-309.22	
<i>For Class 54 Rating, Add</i>	431.86	
<i>For Class 55 Rating, Add</i>	647.26	
<i>For Class 56 Rating, Add</i>	859.86	
40 05 19 00-1314 EA 18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,890.21	563.30
<i>For Class 52 Rating, Deduct</i>	-334.04	
<i>For Class 54 Rating, Add</i>	465.75	
<i>For Class 55 Rating, Add</i>	697.67	
<i>For Class 56 Rating, Add</i>	926.56	
40 05 19 00-1315 EA 18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,119.68	565.83
<i>For Class 52 Rating, Deduct</i>	-358.86	
<i>For Class 54 Rating, Add</i>	499.64	
<i>For Class 55 Rating, Add</i>	748.08	
<i>For Class 56 Rating, Add</i>	993.26	
40 05 19 00-1316 EA 18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,349.14	568.36
<i>For Class 52 Rating, Deduct</i>	-383.68	
<i>For Class 54 Rating, Add</i>	533.53	
<i>For Class 55 Rating, Add</i>	798.49	
<i>For Class 56 Rating, Add</i>	1,059.96	
40 05 19 00-1317 EA 18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,578.63	570.90
<i>For Class 52 Rating, Deduct</i>	-408.50	
<i>For Class 54 Rating, Add</i>	567.42	
<i>For Class 55 Rating, Add</i>	848.90	
<i>For Class 56 Rating, Add</i>	1,126.66	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1318	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	4,808.10	573.43
		<i>For Class 52 Rating, Deduct</i>		-433.32	
		<i>For Class 54 Rating, Add</i>		601.32	
		<i>For Class 55 Rating, Add</i>		899.31	
		<i>For Class 56 Rating, Add</i>		1,193.36	
40 05 19 00-1319	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	5,037.58	575.96
		<i>For Class 52 Rating, Deduct</i>		-458.14	
		<i>For Class 54 Rating, Add</i>		635.21	
		<i>For Class 55 Rating, Add</i>		949.72	
		<i>For Class 56 Rating, Add</i>		1,260.06	
40 05 19 00-1320	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	5,267.06	578.48
		<i>For Class 52 Rating, Deduct</i>		-482.96	
		<i>For Class 54 Rating, Add</i>		669.10	
		<i>For Class 55 Rating, Add</i>		1,000.13	
		<i>For Class 56 Rating, Add</i>		1,326.77	
40 05 19 00-1321	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	5,496.53	581.03
		<i>For Class 52 Rating, Deduct</i>		-507.78	
		<i>For Class 54 Rating, Add</i>		702.99	
		<i>For Class 55 Rating, Add</i>		1,050.54	
		<i>For Class 56 Rating, Add</i>		1,393.47	
40 05 19 00-1322	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	5,726.01	583.56
		<i>For Class 52 Rating, Deduct</i>		-532.60	
		<i>For Class 54 Rating, Add</i>		736.88	
		<i>For Class 55 Rating, Add</i>		1,100.95	
		<i>For Class 56 Rating, Add</i>		1,460.17	
40 05 19 00-1323	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	5,955.48	586.09
		<i>For Class 52 Rating, Deduct</i>		-557.42	
		<i>For Class 54 Rating, Add</i>		770.78	
		<i>For Class 55 Rating, Add</i>		1,151.36	
		<i>For Class 56 Rating, Add</i>		1,526.87	
40 05 19 00-1324	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	6,184.96	588.63
		<i>For Class 52 Rating, Deduct</i>		-582.24	
		<i>For Class 54 Rating, Add</i>		804.67	
		<i>For Class 55 Rating, Add</i>		1,201.77	
		<i>For Class 56 Rating, Add</i>		1,593.57	
40 05 19 00-1325	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	6,414.44	591.16
		<i>For Class 52 Rating, Deduct</i>		-607.06	
		<i>For Class 54 Rating, Add</i>		838.56	
		<i>For Class 55 Rating, Add</i>		1,252.18	
		<i>For Class 56 Rating, Add</i>		1,660.27	
40 05 19 00-1326	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	6,643.91	593.69
		<i>For Class 52 Rating, Deduct</i>		-631.88	
		<i>For Class 54 Rating, Add</i>		872.45	
		<i>For Class 55 Rating, Add</i>		1,302.59	
		<i>For Class 56 Rating, Add</i>		1,726.98	
40 05 19 00-1327	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	6,873.39	596.21
		<i>For Class 52 Rating, Deduct</i>		-656.70	
		<i>For Class 54 Rating, Add</i>		906.34	
		<i>For Class 55 Rating, Add</i>		1,353.00	
		<i>For Class 56 Rating, Add</i>		1,793.68	
40 05 19 00-1328	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	7,102.86	598.76
		<i>For Class 52 Rating, Deduct</i>		-681.52	
		<i>For Class 54 Rating, Add</i>		940.23	
		<i>For Class 55 Rating, Add</i>		1,403.40	
		<i>For Class 56 Rating, Add</i>		1,860.38	
40 05 19 00-1329	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	7,332.34	601.29
		<i>For Class 52 Rating, Deduct</i>		-706.34	
		<i>For Class 54 Rating, Add</i>		974.13	
		<i>For Class 55 Rating, Add</i>		1,453.81	
		<i>For Class 56 Rating, Add</i>		1,927.08	
40 05 19 00-1330	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	7,561.81	603.82
		<i>For Class 52 Rating, Deduct</i>		-731.16	
		<i>For Class 54 Rating, Add</i>		1,008.02	
		<i>For Class 55 Rating, Add</i>		1,504.22	
		<i>For Class 56 Rating, Add</i>		1,993.78	
40 05 19 00-1331	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	7,791.29	606.36
		<i>For Class 52 Rating, Deduct</i>		-755.98	
		<i>For Class 54 Rating, Add</i>		1,041.91	
		<i>For Class 55 Rating, Add</i>		1,554.63	
		<i>For Class 56 Rating, Add</i>		2,060.48	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1332	EA			18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,020.77	608.89
				<i>For Class 52 Rating, Deduct</i>	-780.80	
				<i>For Class 54 Rating, Add</i>	1,075.80	
				<i>For Class 55 Rating, Add</i>	1,605.04	
				<i>For Class 56 Rating, Add</i>	2,127.18	
40 05 19 00-1333	EA			18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,250.25	611.42
				<i>For Class 52 Rating, Deduct</i>	-805.62	
				<i>For Class 54 Rating, Add</i>	1,109.69	
				<i>For Class 55 Rating, Add</i>	1,655.45	
				<i>For Class 56 Rating, Add</i>	2,193.89	
40 05 19 00-1334	EA			18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,479.72	613.96
				<i>For Class 52 Rating, Deduct</i>	-830.44	
				<i>For Class 54 Rating, Add</i>	1,143.58	
				<i>For Class 55 Rating, Add</i>	1,705.86	
				<i>For Class 56 Rating, Add</i>	2,260.59	
40 05 19 00-1335	EA			18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,709.19	616.49
				<i>For Class 52 Rating, Deduct</i>	-855.26	
				<i>For Class 54 Rating, Add</i>	1,177.48	
				<i>For Class 55 Rating, Add</i>	1,756.27	
				<i>For Class 56 Rating, Add</i>	2,327.29	
40 05 19 00-1336	EA			18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,938.67	619.02
				<i>For Class 52 Rating, Deduct</i>	-880.08	
				<i>For Class 54 Rating, Add</i>	1,211.37	
				<i>For Class 55 Rating, Add</i>	1,806.68	
				<i>For Class 56 Rating, Add</i>	2,393.99	
40 05 19 00-1337	EA			18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,168.15	621.55
				<i>For Class 52 Rating, Deduct</i>	-904.90	
				<i>For Class 54 Rating, Add</i>	1,245.26	
				<i>For Class 55 Rating, Add</i>	1,857.09	
				<i>For Class 56 Rating, Add</i>	2,460.69	
40 05 19 00-1338	EA			18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,397.62	624.09
				<i>For Class 52 Rating, Deduct</i>	-929.72	
				<i>For Class 54 Rating, Add</i>	1,279.15	
				<i>For Class 55 Rating, Add</i>	1,907.50	
				<i>For Class 56 Rating, Add</i>	2,527.39	
40 05 19 00-1339	EA			18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,627.11	626.62
				<i>For Class 52 Rating, Deduct</i>	-954.54	
				<i>For Class 54 Rating, Add</i>	1,313.05	
				<i>For Class 55 Rating, Add</i>	1,957.91	
				<i>For Class 56 Rating, Add</i>	2,594.10	
40 05 19 00-1340	EA			18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,856.58	629.15
				<i>For Class 52 Rating, Deduct</i>	-979.37	
				<i>For Class 54 Rating, Add</i>	1,346.94	
				<i>For Class 55 Rating, Add</i>	2,008.32	
				<i>For Class 56 Rating, Add</i>	2,660.80	
40 05 19 00-1341	EA			18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,086.04	631.68
				<i>For Class 52 Rating, Deduct</i>	-1,004.18	
				<i>For Class 54 Rating, Add</i>	1,380.83	
				<i>For Class 55 Rating, Add</i>	2,058.73	
				<i>For Class 56 Rating, Add</i>	2,727.50	
40 05 19 00-1342	EA			18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,315.53	634.22
				<i>For Class 52 Rating, Deduct</i>	-1,029.00	
				<i>For Class 54 Rating, Add</i>	1,414.72	
				<i>For Class 55 Rating, Add</i>	2,109.14	
				<i>For Class 56 Rating, Add</i>	2,794.20	
40 05 19 00-1343	EA			18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,545.00	636.75
				<i>For Class 52 Rating, Deduct</i>	-1,053.83	
				<i>For Class 54 Rating, Add</i>	1,448.61	
				<i>For Class 55 Rating, Add</i>	2,159.55	
				<i>For Class 56 Rating, Add</i>	2,860.90	
40 05 19 00-1344	EA			18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,774.49	639.28
				<i>For Class 52 Rating, Deduct</i>	-1,078.65	
				<i>For Class 54 Rating, Add</i>	1,482.50	
				<i>For Class 55 Rating, Add</i>	2,209.96	
				<i>For Class 56 Rating, Add</i>	2,927.60	
40 05 19 00-1345	EA			18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,003.96	641.80
				<i>For Class 52 Rating, Deduct</i>	-1,103.47	
				<i>For Class 54 Rating, Add</i>	1,516.40	
				<i>For Class 55 Rating, Add</i>	2,260.37	
				<i>For Class 56 Rating, Add</i>	2,994.30	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1346			20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1347	EA		20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,929.75	625.60
			For Class 52 Rating, Deduct	-218.00	
			For Class 54 Rating, Add	308.65	
			For Class 55 Rating, Add	464.70	
			For Class 56 Rating, Add	618.77	
40 05 19 00-1348	EA		20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,193.06	628.15
			For Class 52 Rating, Deduct	-246.55	
			For Class 54 Rating, Add	347.62	
			For Class 55 Rating, Add	522.66	
			For Class 56 Rating, Add	695.46	
40 05 19 00-1349	EA		20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,456.39	630.67
			For Class 52 Rating, Deduct	-275.09	
			For Class 54 Rating, Add	386.59	
			For Class 55 Rating, Add	580.62	
			For Class 56 Rating, Add	772.15	
40 05 19 00-1350	EA		20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,719.71	633.20
			For Class 52 Rating, Deduct	-303.63	
			For Class 54 Rating, Add	425.56	
			For Class 55 Rating, Add	638.57	
			For Class 56 Rating, Add	848.83	
40 05 19 00-1351	EA		20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,983.02	635.74
			For Class 52 Rating, Deduct	-332.18	
			For Class 54 Rating, Add	464.53	
			For Class 55 Rating, Add	696.53	
			For Class 56 Rating, Add	925.51	
40 05 19 00-1352	EA		20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,246.36	638.27
			For Class 52 Rating, Deduct	-360.72	
			For Class 54 Rating, Add	503.50	
			For Class 55 Rating, Add	754.49	
			For Class 56 Rating, Add	1,002.20	
40 05 19 00-1353	EA		20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,509.67	640.80
			For Class 52 Rating, Deduct	-389.26	
			For Class 54 Rating, Add	542.46	
			For Class 55 Rating, Add	812.45	
			For Class 56 Rating, Add	1,078.89	
40 05 19 00-1354	EA		20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,773.00	643.33
			For Class 52 Rating, Deduct	-417.81	
			For Class 54 Rating, Add	581.43	
			For Class 55 Rating, Add	870.40	
			For Class 56 Rating, Add	1,155.57	
40 05 19 00-1355	EA		20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,036.32	645.88
			For Class 52 Rating, Deduct	-446.35	
			For Class 54 Rating, Add	620.40	
			For Class 55 Rating, Add	928.36	
			For Class 56 Rating, Add	1,232.26	
40 05 19 00-1356	EA		20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,299.63	648.40
			For Class 52 Rating, Deduct	-474.89	
			For Class 54 Rating, Add	659.37	
			For Class 55 Rating, Add	986.32	
			For Class 56 Rating, Add	1,308.94	
40 05 19 00-1357	EA		20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,562.97	650.93
			For Class 52 Rating, Deduct	-503.44	
			For Class 54 Rating, Add	698.34	
			For Class 55 Rating, Add	1,044.27	
			For Class 56 Rating, Add	1,385.63	
40 05 19 00-1358	EA		20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,826.28	653.46
			For Class 52 Rating, Deduct	-531.98	
			For Class 54 Rating, Add	737.31	
			For Class 55 Rating, Add	1,102.23	
			For Class 56 Rating, Add	1,462.32	
40 05 19 00-1359	EA		20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,089.60	656.00
			For Class 52 Rating, Deduct	-560.52	
			For Class 54 Rating, Add	776.28	
			For Class 55 Rating, Add	1,160.19	
			For Class 56 Rating, Add	1,539.00	
40 05 19 00-1360	EA		20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,352.93	658.53
			For Class 52 Rating, Deduct	-589.07	
			For Class 54 Rating, Add	815.25	
			For Class 55 Rating, Add	1,218.15	
			For Class 56 Rating, Add	1,615.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1361 EA 20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,616.25	661.06
<i>For Class 52 Rating, Deduct</i>	-617.61	
<i>For Class 54 Rating, Add</i>	854.22	
<i>For Class 55 Rating, Add</i>	1,276.10	
<i>For Class 56 Rating, Add</i>	1,692.38	
40 05 19 00-1362 EA 20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,879.57	663.60
<i>For Class 52 Rating, Deduct</i>	-646.15	
<i>For Class 54 Rating, Add</i>	893.18	
<i>For Class 55 Rating, Add</i>	1,334.06	
<i>For Class 56 Rating, Add</i>	1,769.06	
40 05 19 00-1363 EA 20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,142.89	666.13
<i>For Class 52 Rating, Deduct</i>	-674.70	
<i>For Class 54 Rating, Add</i>	932.15	
<i>For Class 55 Rating, Add</i>	1,392.02	
<i>For Class 56 Rating, Add</i>	1,845.75	
40 05 19 00-1364 EA 20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,406.21	668.66
<i>For Class 52 Rating, Deduct</i>	-703.24	
<i>For Class 54 Rating, Add</i>	971.12	
<i>For Class 55 Rating, Add</i>	1,449.97	
<i>For Class 56 Rating, Add</i>	1,922.43	
40 05 19 00-1365 EA 20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,669.54	671.19
<i>For Class 52 Rating, Deduct</i>	-731.78	
<i>For Class 54 Rating, Add</i>	1,010.09	
<i>For Class 55 Rating, Add</i>	1,507.93	
<i>For Class 56 Rating, Add</i>	1,999.12	
40 05 19 00-1366 EA 20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,932.86	673.74
<i>For Class 52 Rating, Deduct</i>	-760.33	
<i>For Class 54 Rating, Add</i>	1,049.06	
<i>For Class 55 Rating, Add</i>	1,565.89	
<i>For Class 56 Rating, Add</i>	2,075.81	
40 05 19 00-1367 EA 20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,196.17	676.26
<i>For Class 52 Rating, Deduct</i>	-788.87	
<i>For Class 54 Rating, Add</i>	1,088.03	
<i>For Class 55 Rating, Add</i>	1,623.84	
<i>For Class 56 Rating, Add</i>	2,152.49	
40 05 19 00-1368 EA 20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,459.50	678.79
<i>For Class 52 Rating, Deduct</i>	-817.41	
<i>For Class 54 Rating, Add</i>	1,126.99	
<i>For Class 55 Rating, Add</i>	1,681.80	
<i>For Class 56 Rating, Add</i>	2,229.18	
40 05 19 00-1369 EA 20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,722.82	681.33
<i>For Class 52 Rating, Deduct</i>	-845.96	
<i>For Class 54 Rating, Add</i>	1,165.96	
<i>For Class 55 Rating, Add</i>	1,739.76	
<i>For Class 56 Rating, Add</i>	2,305.86	
40 05 19 00-1370 EA 20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,986.14	683.86
<i>For Class 52 Rating, Deduct</i>	-874.50	
<i>For Class 54 Rating, Add</i>	1,204.93	
<i>For Class 55 Rating, Add</i>	1,797.72	
<i>For Class 56 Rating, Add</i>	2,382.55	
40 05 19 00-1371 EA 20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,249.47	686.39
<i>For Class 52 Rating, Deduct</i>	-903.04	
<i>For Class 54 Rating, Add</i>	1,243.90	
<i>For Class 55 Rating, Add</i>	1,855.67	
<i>For Class 56 Rating, Add</i>	2,459.24	
40 05 19 00-1372 EA 20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,512.78	688.92
<i>For Class 52 Rating, Deduct</i>	-931.59	
<i>For Class 54 Rating, Add</i>	1,282.87	
<i>For Class 55 Rating, Add</i>	1,913.63	
<i>For Class 56 Rating, Add</i>	2,535.92	
40 05 19 00-1373 EA 20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,776.11	691.47
<i>For Class 52 Rating, Deduct</i>	-960.13	
<i>For Class 54 Rating, Add</i>	1,321.84	
<i>For Class 55 Rating, Add</i>	1,971.59	
<i>For Class 56 Rating, Add</i>	2,612.61	
40 05 19 00-1374 EA 20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,039.43	693.99
<i>For Class 52 Rating, Deduct</i>	-988.67	
<i>For Class 54 Rating, Add</i>	1,360.81	
<i>For Class 55 Rating, Add</i>	2,029.54	
<i>For Class 56 Rating, Add</i>	2,689.29	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-1375	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,302.75	696.52
		<i>For Class 52 Rating, Deduct</i>	-1,017.22	
		<i>For Class 54 Rating, Add</i>	1,399.78	
		<i>For Class 55 Rating, Add</i>	2,087.50	
		<i>For Class 56 Rating, Add</i>	2,765.98	
40 05 19 00-1376	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,566.08	699.06
		<i>For Class 52 Rating, Deduct</i>	-1,045.76	
		<i>For Class 54 Rating, Add</i>	1,438.75	
		<i>For Class 55 Rating, Add</i>	2,145.46	
		<i>For Class 56 Rating, Add</i>	2,842.67	
40 05 19 00-1377	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,829.39	701.59
		<i>For Class 52 Rating, Deduct</i>	-1,074.30	
		<i>For Class 54 Rating, Add</i>	1,477.71	
		<i>For Class 55 Rating, Add</i>	2,203.41	
		<i>For Class 56 Rating, Add</i>	2,919.35	
40 05 19 00-1378	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,092.72	704.12
		<i>For Class 52 Rating, Deduct</i>	-1,102.85	
		<i>For Class 54 Rating, Add</i>	1,516.68	
		<i>For Class 55 Rating, Add</i>	2,261.37	
		<i>For Class 56 Rating, Add</i>	2,996.04	
40 05 19 00-1379	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,356.04	706.65
		<i>For Class 52 Rating, Deduct</i>	-1,131.39	
		<i>For Class 54 Rating, Add</i>	1,555.65	
		<i>For Class 55 Rating, Add</i>	2,319.33	
		<i>For Class 56 Rating, Add</i>	3,072.72	
40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,619.36	709.20
		<i>For Class 52 Rating, Deduct</i>	-1,159.93	
		<i>For Class 54 Rating, Add</i>	1,594.62	
		<i>For Class 55 Rating, Add</i>	2,377.29	
		<i>For Class 56 Rating, Add</i>	3,149.41	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,882.68	711.72
		<i>For Class 52 Rating, Deduct</i>	-1,188.48	
		<i>For Class 54 Rating, Add</i>	1,633.59	
		<i>For Class 55 Rating, Add</i>	2,435.24	
		<i>For Class 56 Rating, Add</i>	3,226.10	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,146.00	714.25
		<i>For Class 52 Rating, Deduct</i>	-1,217.02	
		<i>For Class 54 Rating, Add</i>	1,672.56	
		<i>For Class 55 Rating, Add</i>	2,493.20	
		<i>For Class 56 Rating, Add</i>	3,302.78	
40 05 19 00-1383	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,409.33	716.78
		<i>For Class 52 Rating, Deduct</i>	-1,245.56	
		<i>For Class 54 Rating, Add</i>	1,711.53	
		<i>For Class 55 Rating, Add</i>	2,551.16	
		<i>For Class 56 Rating, Add</i>	3,379.47	
40 05 19 00-1384	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,672.64	719.32
		<i>For Class 52 Rating, Deduct</i>	-1,274.10	
		<i>For Class 54 Rating, Add</i>	1,750.49	
		<i>For Class 55 Rating, Add</i>	2,609.11	
		<i>For Class 56 Rating, Add</i>	3,456.15	
<b>40 05 19 00-1385</b>		<b>24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1386	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,595.07	739.58
		<i>For Class 52 Rating, Deduct</i>	-272.20	
		<i>For Class 54 Rating, Add</i>	384.62	
		<i>For Class 55 Rating, Add</i>	578.71	
		<i>For Class 56 Rating, Add</i>	770.32	
40 05 19 00-1387	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,920.46	742.11
		<i>For Class 52 Rating, Deduct</i>	-307.56	
		<i>For Class 54 Rating, Add</i>	432.90	
		<i>For Class 55 Rating, Add</i>	650.50	
		<i>For Class 56 Rating, Add</i>	865.31	
40 05 19 00-1388	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,245.82	744.65
		<i>For Class 52 Rating, Deduct</i>	-342.93	
		<i>For Class 54 Rating, Add</i>	481.17	
		<i>For Class 55 Rating, Add</i>	722.30	
		<i>For Class 56 Rating, Add</i>	960.30	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1389 EA 24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,571.21	747.18
<i>For Class 52 Rating, Deduct</i>	-378.30	
<i>For Class 54 Rating, Add</i>	529.45	
<i>For Class 55 Rating, Add</i>	794.09	
<i>For Class 56 Rating, Add</i>	1,055.29	
40 05 19 00-1390 EA 24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,896.57	749.71
<i>For Class 52 Rating, Deduct</i>	-413.67	
<i>For Class 54 Rating, Add</i>	577.73	
<i>For Class 55 Rating, Add</i>	865.89	
<i>For Class 56 Rating, Add</i>	1,150.28	
40 05 19 00-1391 EA 24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,221.93	752.24
<i>For Class 52 Rating, Deduct</i>	-449.04	
<i>For Class 54 Rating, Add</i>	626.00	
<i>For Class 55 Rating, Add</i>	937.68	
<i>For Class 56 Rating, Add</i>	1,245.27	
40 05 19 00-1392 EA 24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,547.32	754.79
<i>For Class 52 Rating, Deduct</i>	-484.41	
<i>For Class 54 Rating, Add</i>	674.28	
<i>For Class 55 Rating, Add</i>	1,009.47	
<i>For Class 56 Rating, Add</i>	1,340.26	
40 05 19 00-1393 EA 24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,872.68	757.31
<i>For Class 52 Rating, Deduct</i>	-519.78	
<i>For Class 54 Rating, Add</i>	722.56	
<i>For Class 55 Rating, Add</i>	1,081.27	
<i>For Class 56 Rating, Add</i>	1,435.25	
40 05 19 00-1394 EA 24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,198.06	759.84
<i>For Class 52 Rating, Deduct</i>	-555.15	
<i>For Class 54 Rating, Add</i>	770.83	
<i>For Class 55 Rating, Add</i>	1,153.06	
<i>For Class 56 Rating, Add</i>	1,530.25	
40 05 19 00-1395 EA 24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,523.43	762.38
<i>For Class 52 Rating, Deduct</i>	-590.51	
<i>For Class 54 Rating, Add</i>	819.11	
<i>For Class 55 Rating, Add</i>	1,224.86	
<i>For Class 56 Rating, Add</i>	1,625.24	
40 05 19 00-1396 EA 24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,848.80	764.91
<i>For Class 52 Rating, Deduct</i>	-625.88	
<i>For Class 54 Rating, Add</i>	867.38	
<i>For Class 55 Rating, Add</i>	1,296.65	
<i>For Class 56 Rating, Add</i>	1,720.23	
40 05 19 00-1397 EA 24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,174.17	767.44
<i>For Class 52 Rating, Deduct</i>	-661.25	
<i>For Class 54 Rating, Add</i>	915.66	
<i>For Class 55 Rating, Add</i>	1,368.44	
<i>For Class 56 Rating, Add</i>	1,815.22	
40 05 19 00-1398 EA 24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,499.55	769.97
<i>For Class 52 Rating, Deduct</i>	-696.62	
<i>For Class 54 Rating, Add</i>	963.94	
<i>For Class 55 Rating, Add</i>	1,440.24	
<i>For Class 56 Rating, Add</i>	1,910.21	
40 05 19 00-1399 EA 24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,824.91	772.52
<i>For Class 52 Rating, Deduct</i>	-731.99	
<i>For Class 54 Rating, Add</i>	1,012.21	
<i>For Class 55 Rating, Add</i>	1,512.03	
<i>For Class 56 Rating, Add</i>	2,005.20	
40 05 19 00-1400 EA 24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,150.30	775.04
<i>For Class 52 Rating, Deduct</i>	-767.36	
<i>For Class 54 Rating, Add</i>	1,060.49	
<i>For Class 55 Rating, Add</i>	1,583.83	
<i>For Class 56 Rating, Add</i>	2,100.19	
40 05 19 00-1401 EA 24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,475.66	777.57
<i>For Class 52 Rating, Deduct</i>	-802.73	
<i>For Class 54 Rating, Add</i>	1,108.77	
<i>For Class 55 Rating, Add</i>	1,655.62	
<i>For Class 56 Rating, Add</i>	2,195.18	
40 05 19 00-1402 EA 24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,801.04	780.10
<i>For Class 52 Rating, Deduct</i>	-838.10	
<i>For Class 54 Rating, Add</i>	1,157.04	
<i>For Class 55 Rating, Add</i>	1,727.42	
<i>For Class 56 Rating, Add</i>	2,290.17	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1403	EA		24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,126.41	782.64
			<i>For Class 52 Rating, Deduct</i> .....	-873.46	
			<i>For Class 54 Rating, Add</i> .....	1,205.32	
			<i>For Class 55 Rating, Add</i> .....	1,799.21	
			<i>For Class 56 Rating, Add</i> .....	2,385.16	
40 05 19 00-1404	EA		24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,451.78	785.17
			<i>For Class 52 Rating, Deduct</i> .....	-908.83	
			<i>For Class 54 Rating, Add</i> .....	1,253.60	
			<i>For Class 55 Rating, Add</i> .....	1,871.01	
			<i>For Class 56 Rating, Add</i> .....	2,480.16	
40 05 19 00-1405	EA		24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,777.15	787.70
			<i>For Class 52 Rating, Deduct</i> .....	-944.20	
			<i>For Class 54 Rating, Add</i> .....	1,301.87	
			<i>For Class 55 Rating, Add</i> .....	1,942.80	
			<i>For Class 56 Rating, Add</i> .....	2,575.15	
40 05 19 00-1406	EA		24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,102.53	790.25
			<i>For Class 52 Rating, Deduct</i> .....	-979.57	
			<i>For Class 54 Rating, Add</i> .....	1,350.15	
			<i>For Class 55 Rating, Add</i> .....	2,014.60	
			<i>For Class 56 Rating, Add</i> .....	2,670.14	
40 05 19 00-1407	EA		24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,427.90	792.77
			<i>For Class 52 Rating, Deduct</i> .....	-1,014.94	
			<i>For Class 54 Rating, Add</i> .....	1,398.42	
			<i>For Class 55 Rating, Add</i> .....	2,086.39	
			<i>For Class 56 Rating, Add</i> .....	2,765.13	
40 05 19 00-1408	EA		24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,753.26	795.30
			<i>For Class 52 Rating, Deduct</i> .....	-1,050.31	
			<i>For Class 54 Rating, Add</i> .....	1,446.70	
			<i>For Class 55 Rating, Add</i> .....	2,158.18	
			<i>For Class 56 Rating, Add</i> .....	2,860.12	
40 05 19 00-1409	EA		24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,078.64	797.83
			<i>For Class 52 Rating, Deduct</i> .....	-1,085.68	
			<i>For Class 54 Rating, Add</i> .....	1,494.98	
			<i>For Class 55 Rating, Add</i> .....	2,229.98	
			<i>For Class 56 Rating, Add</i> .....	2,955.11	
40 05 19 00-1410	EA		24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,404.01	800.38
			<i>For Class 52 Rating, Deduct</i> .....	-1,121.05	
			<i>For Class 54 Rating, Add</i> .....	1,543.25	
			<i>For Class 55 Rating, Add</i> .....	2,301.77	
			<i>For Class 56 Rating, Add</i> .....	3,050.10	
40 05 19 00-1411	EA		24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,729.39	802.90
			<i>For Class 52 Rating, Deduct</i> .....	-1,156.42	
			<i>For Class 54 Rating, Add</i> .....	1,591.53	
			<i>For Class 55 Rating, Add</i> .....	2,373.57	
			<i>For Class 56 Rating, Add</i> .....	3,145.09	
40 05 19 00-1412	EA		24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,054.76	805.43
			<i>For Class 52 Rating, Deduct</i> .....	-1,191.78	
			<i>For Class 54 Rating, Add</i> .....	1,639.80	
			<i>For Class 55 Rating, Add</i> .....	2,445.36	
			<i>For Class 56 Rating, Add</i> .....	3,240.08	
40 05 19 00-1413	EA		24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,380.13	807.97
			<i>For Class 52 Rating, Deduct</i> .....	-1,227.15	
			<i>For Class 54 Rating, Add</i> .....	1,688.08	
			<i>For Class 55 Rating, Add</i> .....	2,517.16	
			<i>For Class 56 Rating, Add</i> .....	3,335.07	
40 05 19 00-1414	EA		24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,705.50	810.50
			<i>For Class 52 Rating, Deduct</i> .....	-1,262.52	
			<i>For Class 54 Rating, Add</i> .....	1,736.36	
			<i>For Class 55 Rating, Add</i> .....	2,588.95	
			<i>For Class 56 Rating, Add</i> .....	3,430.06	
40 05 19 00-1415	EA		24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,096.12	856.09
			<i>For Class 52 Rating, Deduct</i> .....	-1,297.89	
			<i>For Class 54 Rating, Add</i> .....	1,785.42	
			<i>For Class 55 Rating, Add</i> .....	2,662.31	
			<i>For Class 56 Rating, Add</i> .....	3,527.40	
40 05 19 00-1416	EA		24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,421.49	858.62
			<i>For Class 52 Rating, Deduct</i> .....	-1,333.26	
			<i>For Class 54 Rating, Add</i> .....	1,833.69	
			<i>For Class 55 Rating, Add</i> .....	2,734.10	
			<i>For Class 56 Rating, Add</i> .....	3,622.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1417 EA 24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,746.86	861.15
<i>For Class 52 Rating, Deduct</i>	-1,368.63	
<i>For Class 54 Rating, Add</i>	1,881.97	
<i>For Class 55 Rating, Add</i>	2,805.90	
<i>For Class 56 Rating, Add</i>	3,717.39	
40 05 19 00-1418 EA 24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,072.23	863.70
<i>For Class 52 Rating, Deduct</i>	-1,404.00	
<i>For Class 54 Rating, Add</i>	1,930.24	
<i>For Class 55 Rating, Add</i>	2,877.69	
<i>For Class 56 Rating, Add</i>	3,812.38	
40 05 19 00-1419 EA 24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,397.61	866.22
<i>For Class 52 Rating, Deduct</i>	-1,439.37	
<i>For Class 54 Rating, Add</i>	1,978.52	
<i>For Class 55 Rating, Add</i>	2,949.49	
<i>For Class 56 Rating, Add</i>	3,907.37	
40 05 19 00-1420 EA 24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,722.97	868.75
<i>For Class 52 Rating, Deduct</i>	-1,474.73	
<i>For Class 54 Rating, Add</i>	2,026.80	
<i>For Class 55 Rating, Add</i>	3,021.28	
<i>For Class 56 Rating, Add</i>	4,002.36	
40 05 19 00-1421 EA 24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,048.35	871.29
<i>For Class 52 Rating, Deduct</i>	-1,510.10	
<i>For Class 54 Rating, Add</i>	2,075.07	
<i>For Class 55 Rating, Add</i>	3,093.08	
<i>For Class 56 Rating, Add</i>	4,097.35	
40 05 19 00-1422 EA 24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,373.72	873.82
<i>For Class 52 Rating, Deduct</i>	-1,545.47	
<i>For Class 54 Rating, Add</i>	2,123.35	
<i>For Class 55 Rating, Add</i>	3,164.87	
<i>For Class 56 Rating, Add</i>	4,192.34	
40 05 19 00-1423 EA 24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,699.10	876.35
<i>For Class 52 Rating, Deduct</i>	-1,580.84	
<i>For Class 54 Rating, Add</i>	2,171.63	
<i>For Class 55 Rating, Add</i>	3,236.67	
<i>For Class 56 Rating, Add</i>	4,287.33	

**40 05 19 00-1424 30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe** (40 05 19 00-1028)

40 05 19 00-1425 EA 30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,492.16	1,043.53
<i>For Class 52 Rating, Deduct</i>	-430.22	
<i>For Class 54 Rating, Add</i>	605.63	
<i>For Class 55 Rating, Add</i>	910.11	
<i>For Class 56 Rating, Add</i>	1,210.68	
40 05 19 00-1426 EA 30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,960.42	1,046.05
<i>For Class 52 Rating, Deduct</i>	-481.31	
<i>For Class 54 Rating, Add</i>	675.34	
<i>For Class 55 Rating, Add</i>	1,013.77	
<i>For Class 56 Rating, Add</i>	1,347.83	
40 05 19 00-1427 EA 30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,428.71	1,048.58
<i>For Class 52 Rating, Deduct</i>	-532.39	
<i>For Class 54 Rating, Add</i>	745.06	
<i>For Class 55 Rating, Add</i>	1,117.44	
<i>For Class 56 Rating, Add</i>	1,484.98	
40 05 19 00-1428 EA 30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,896.98	1,051.12
<i>For Class 52 Rating, Deduct</i>	-583.48	
<i>For Class 54 Rating, Add</i>	814.77	
<i>For Class 55 Rating, Add</i>	1,221.10	
<i>For Class 56 Rating, Add</i>	1,622.13	
40 05 19 00-1429 EA 30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,365.26	1,053.66
<i>For Class 52 Rating, Deduct</i>	-634.57	
<i>For Class 54 Rating, Add</i>	884.48	
<i>For Class 55 Rating, Add</i>	1,324.76	
<i>For Class 56 Rating, Add</i>	1,759.27	
40 05 19 00-1430 EA 30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,833.54	1,056.18
<i>For Class 52 Rating, Deduct</i>	-685.66	
<i>For Class 54 Rating, Add</i>	954.19	
<i>For Class 55 Rating, Add</i>	1,428.42	
<i>For Class 56 Rating, Add</i>	1,896.42	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1431	EA	30"	Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,301.81	1,058.71
			<i>For Class 52 Rating, Deduct</i>	-736.75	
			<i>For Class 54 Rating, Add</i>	1,023.90	
			<i>For Class 55 Rating, Add</i>	1,532.09	
			<i>For Class 56 Rating, Add</i>	2,033.57	
40 05 19 00-1432	EA	30"	Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,770.10	1,061.26
			<i>For Class 52 Rating, Deduct</i>	-787.84	
			<i>For Class 54 Rating, Add</i>	1,093.62	
			<i>For Class 55 Rating, Add</i>	1,635.75	
			<i>For Class 56 Rating, Add</i>	2,170.72	
40 05 19 00-1433	EA	30"	Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,238.37	1,063.78
			<i>For Class 52 Rating, Deduct</i>	-838.92	
			<i>For Class 54 Rating, Add</i>	1,163.33	
			<i>For Class 55 Rating, Add</i>	1,739.41	
			<i>For Class 56 Rating, Add</i>	2,307.87	
40 05 19 00-1434	EA	30"	Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,706.64	1,066.31
			<i>For Class 52 Rating, Deduct</i>	-890.01	
			<i>For Class 54 Rating, Add</i>	1,233.04	
			<i>For Class 55 Rating, Add</i>	1,843.07	
			<i>For Class 56 Rating, Add</i>	2,445.01	
40 05 19 00-1435	EA	30"	Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,174.93	1,068.84
			<i>For Class 52 Rating, Deduct</i>	-941.10	
			<i>For Class 54 Rating, Add</i>	1,302.75	
			<i>For Class 55 Rating, Add</i>	1,946.73	
			<i>For Class 56 Rating, Add</i>	2,582.16	
40 05 19 00-1436	EA	30"	Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,643.20	1,071.39
			<i>For Class 52 Rating, Deduct</i>	-992.19	
			<i>For Class 54 Rating, Add</i>	1,372.46	
			<i>For Class 55 Rating, Add</i>	2,050.40	
			<i>For Class 56 Rating, Add</i>	2,719.31	
40 05 19 00-1437	EA	30"	Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,111.47	1,073.91
			<i>For Class 52 Rating, Deduct</i>	-1,043.28	
			<i>For Class 54 Rating, Add</i>	1,442.18	
			<i>For Class 55 Rating, Add</i>	2,154.06	
			<i>For Class 56 Rating, Add</i>	2,856.45	
40 05 19 00-1438	EA	30"	Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,579.75	1,076.44
			<i>For Class 52 Rating, Deduct</i>	-1,094.36	
			<i>For Class 54 Rating, Add</i>	1,511.89	
			<i>For Class 55 Rating, Add</i>	2,257.72	
			<i>For Class 56 Rating, Add</i>	2,993.60	
40 05 19 00-1439	EA	30"	Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,048.02	1,078.98
			<i>For Class 52 Rating, Deduct</i>	-1,145.45	
			<i>For Class 54 Rating, Add</i>	1,581.60	
			<i>For Class 55 Rating, Add</i>	2,361.38	
			<i>For Class 56 Rating, Add</i>	3,130.75	
40 05 19 00-1440	EA	30"	Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,516.31	1,081.51
			<i>For Class 52 Rating, Deduct</i>	-1,196.54	
			<i>For Class 54 Rating, Add</i>	1,651.31	
			<i>For Class 55 Rating, Add</i>	2,465.04	
			<i>For Class 56 Rating, Add</i>	3,267.90	
40 05 19 00-1441	EA	30"	Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,984.58	1,084.04
			<i>For Class 52 Rating, Deduct</i>	-1,247.63	
			<i>For Class 54 Rating, Add</i>	1,721.02	
			<i>For Class 55 Rating, Add</i>	2,568.71	
			<i>For Class 56 Rating, Add</i>	3,405.05	
40 05 19 00-1442	EA	30"	Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,452.85	1,086.57
			<i>For Class 52 Rating, Deduct</i>	-1,298.72	
			<i>For Class 54 Rating, Add</i>	1,790.74	
			<i>For Class 55 Rating, Add</i>	2,672.37	
			<i>For Class 56 Rating, Add</i>	3,542.19	
40 05 19 00-1443	EA	30"	Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,921.14	1,089.12
			<i>For Class 52 Rating, Deduct</i>	-1,349.81	
			<i>For Class 54 Rating, Add</i>	1,860.45	
			<i>For Class 55 Rating, Add</i>	2,776.03	
			<i>For Class 56 Rating, Add</i>	3,679.34	
40 05 19 00-1444	EA	30"	Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,389.41	1,091.64
			<i>For Class 52 Rating, Deduct</i>	-1,400.90	
			<i>For Class 54 Rating, Add</i>	1,930.16	
			<i>For Class 55 Rating, Add</i>	2,879.69	
			<i>For Class 56 Rating, Add</i>	3,816.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1445 EA 30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,857.69	1,094.17
<i>For Class 52 Rating, Deduct</i>	-1,451.98	
<i>For Class 54 Rating, Add</i>	1,999.87	
<i>For Class 55 Rating, Add</i>	2,983.35	
<i>For Class 56 Rating, Add</i>	3,953.64	
40 05 19 00-1446 EA 30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,325.97	1,096.71
<i>For Class 52 Rating, Deduct</i>	-1,503.07	
<i>For Class 54 Rating, Add</i>	2,069.58	
<i>For Class 55 Rating, Add</i>	3,087.02	
<i>For Class 56 Rating, Add</i>	4,090.79	
40 05 19 00-1447 EA 30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,794.23	1,099.24
<i>For Class 52 Rating, Deduct</i>	-1,554.16	
<i>For Class 54 Rating, Add</i>	2,139.29	
<i>For Class 55 Rating, Add</i>	3,190.68	
<i>For Class 56 Rating, Add</i>	4,227.93	
40 05 19 00-1448 EA 30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,262.52	1,101.77
<i>For Class 52 Rating, Deduct</i>	-1,605.25	
<i>For Class 54 Rating, Add</i>	2,209.01	
<i>For Class 55 Rating, Add</i>	3,294.34	
<i>For Class 56 Rating, Add</i>	4,365.08	
40 05 19 00-1449 EA 30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,730.79	1,104.30
<i>For Class 52 Rating, Deduct</i>	-1,656.34	
<i>For Class 54 Rating, Add</i>	2,278.72	
<i>For Class 55 Rating, Add</i>	3,398.00	
<i>For Class 56 Rating, Add</i>	4,502.23	
40 05 19 00-1450 EA 30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,199.07	1,106.85
<i>For Class 52 Rating, Deduct</i>	-1,707.42	
<i>For Class 54 Rating, Add</i>	2,348.43	
<i>For Class 55 Rating, Add</i>	3,501.66	
<i>For Class 56 Rating, Add</i>	4,639.37	
40 05 19 00-1451 EA 30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,667.35	1,109.37
<i>For Class 52 Rating, Deduct</i>	-1,758.51	
<i>For Class 54 Rating, Add</i>	2,418.14	
<i>For Class 55 Rating, Add</i>	3,605.33	
<i>For Class 56 Rating, Add</i>	4,776.52	
40 05 19 00-1452 EA 30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,135.62	1,111.90
<i>For Class 52 Rating, Deduct</i>	-1,809.60	
<i>For Class 54 Rating, Add</i>	2,487.85	
<i>For Class 55 Rating, Add</i>	3,708.99	
<i>For Class 56 Rating, Add</i>	4,913.67	
40 05 19 00-1453 EA 30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,603.90	1,114.44
<i>For Class 52 Rating, Deduct</i>	-1,860.69	
<i>For Class 54 Rating, Add</i>	2,557.57	
<i>For Class 55 Rating, Add</i>	3,812.65	
<i>For Class 56 Rating, Add</i>	5,050.82	
40 05 19 00-1454 EA 30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,072.18	1,116.98
<i>For Class 52 Rating, Deduct</i>	-1,911.78	
<i>For Class 54 Rating, Add</i>	2,627.28	
<i>For Class 55 Rating, Add</i>	3,916.31	
<i>For Class 56 Rating, Add</i>	5,187.97	
40 05 19 00-1455 EA 30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,540.46	1,119.50
<i>For Class 52 Rating, Deduct</i>	-1,962.87	
<i>For Class 54 Rating, Add</i>	2,696.99	
<i>For Class 55 Rating, Add</i>	4,019.97	
<i>For Class 56 Rating, Add</i>	5,325.11	
40 05 19 00-1456 EA 30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,008.73	1,122.03
<i>For Class 52 Rating, Deduct</i>	-2,013.95	
<i>For Class 54 Rating, Add</i>	2,766.70	
<i>For Class 55 Rating, Add</i>	4,123.64	
<i>For Class 56 Rating, Add</i>	5,462.26	
40 05 19 00-1457 EA 30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,477.00	1,124.58
<i>For Class 52 Rating, Deduct</i>	-2,065.04	
<i>For Class 54 Rating, Add</i>	2,836.41	
<i>For Class 55 Rating, Add</i>	4,227.30	
<i>For Class 56 Rating, Add</i>	5,599.41	
40 05 19 00-1458 EA 30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,945.28	1,127.10
<i>For Class 52 Rating, Deduct</i>	-2,116.13	
<i>For Class 54 Rating, Add</i>	2,906.13	
<i>For Class 55 Rating, Add</i>	4,330.96	
<i>For Class 56 Rating, Add</i>	5,736.56	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1459	EA		30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,413.56	1,129.63
			For Class 52 Rating, Deduct	-2,167.22	
			For Class 54 Rating, Add	2,975.84	
			For Class 55 Rating, Add	4,434.62	
			For Class 56 Rating, Add	5,873.70	
40 05 19 00-1460	EA		30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,881.84	1,132.17
			For Class 52 Rating, Deduct	-2,218.31	
			For Class 54 Rating, Add	3,045.55	
			For Class 55 Rating, Add	4,538.28	
			For Class 56 Rating, Add	6,010.85	
40 05 19 00-1461	EA		30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,350.11	1,134.71
			For Class 52 Rating, Deduct	-2,269.40	
			For Class 54 Rating, Add	3,115.26	
			For Class 55 Rating, Add	4,641.95	
			For Class 56 Rating, Add	6,148.00	
40 05 19 00-1462	EA		30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,818.39	1,137.23
			For Class 52 Rating, Deduct	-2,320.48	
			For Class 54 Rating, Add	3,184.97	
			For Class 55 Rating, Add	4,745.61	
			For Class 56 Rating, Add	6,285.15	
<b>40 05 19 00-1463 36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)</b>					
40 05 19 00-1464	EA		36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,572.73	1,322.13
			For Class 52 Rating, Deduct	-612.65	
			For Class 54 Rating, Add	859.47	
			For Class 55 Rating, Add	1,290.08	
			For Class 56 Rating, Add	1,715.12	
40 05 19 00-1465	EA		36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,208.37	1,324.67
			For Class 52 Rating, Deduct	-682.14	
			For Class 54 Rating, Add	954.28	
			For Class 55 Rating, Add	1,431.06	
			For Class 56 Rating, Add	1,901.64	
40 05 19 00-1466	EA		36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,843.98	1,327.19
			For Class 52 Rating, Deduct	-751.64	
			For Class 54 Rating, Add	1,049.09	
			For Class 55 Rating, Add	1,572.04	
			For Class 56 Rating, Add	2,088.15	
40 05 19 00-1467	EA		36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,479.60	1,329.72
			For Class 52 Rating, Deduct	-821.14	
			For Class 54 Rating, Add	1,143.91	
			For Class 55 Rating, Add	1,713.02	
			For Class 56 Rating, Add	2,274.67	
40 05 19 00-1468	EA		36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,115.24	1,332.27
			For Class 52 Rating, Deduct	-890.63	
			For Class 54 Rating, Add	1,238.72	
			For Class 55 Rating, Add	1,854.00	
			For Class 56 Rating, Add	2,461.18	
40 05 19 00-1469	EA		36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,750.86	1,334.79
			For Class 52 Rating, Deduct	-960.13	
			For Class 54 Rating, Add	1,333.54	
			For Class 55 Rating, Add	1,994.98	
			For Class 56 Rating, Add	2,647.70	
40 05 19 00-1470	EA		36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,386.48	1,337.32
			For Class 52 Rating, Deduct	-1,029.63	
			For Class 54 Rating, Add	1,428.35	
			For Class 55 Rating, Add	2,135.96	
			For Class 56 Rating, Add	2,834.21	
40 05 19 00-1471	EA		36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,022.11	1,339.86
			For Class 52 Rating, Deduct	-1,099.12	
			For Class 54 Rating, Add	1,523.16	
			For Class 55 Rating, Add	2,276.94	
			For Class 56 Rating, Add	3,020.73	
40 05 19 00-1472	EA		36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,657.73	1,342.40
			For Class 52 Rating, Deduct	-1,168.62	
			For Class 54 Rating, Add	1,617.98	
			For Class 55 Rating, Add	2,417.92	
			For Class 56 Rating, Add	3,207.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1473 EA 36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,293.37	1,344.92
<i>For Class 52 Rating, Deduct</i>	-1,238.12	
<i>For Class 54 Rating, Add</i>	1,712.79	
<i>For Class 55 Rating, Add</i>	2,558.91	
<i>For Class 56 Rating, Add</i>	3,393.76	
40 05 19 00-1474 EA 36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,928.98	1,347.45
<i>For Class 52 Rating, Deduct</i>	-1,307.61	
<i>For Class 54 Rating, Add</i>	1,807.61	
<i>For Class 55 Rating, Add</i>	2,699.88	
<i>For Class 56 Rating, Add</i>	3,580.27	
40 05 19 00-1475 EA 36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,564.61	1,349.99
<i>For Class 52 Rating, Deduct</i>	-1,377.11	
<i>For Class 54 Rating, Add</i>	1,902.42	
<i>For Class 55 Rating, Add</i>	2,840.87	
<i>For Class 56 Rating, Add</i>	3,766.79	
40 05 19 00-1476 EA 36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,200.24	1,352.52
<i>For Class 52 Rating, Deduct</i>	-1,446.61	
<i>For Class 54 Rating, Add</i>	1,997.24	
<i>For Class 55 Rating, Add</i>	2,981.85	
<i>For Class 56 Rating, Add</i>	3,953.31	
40 05 19 00-1477 EA 36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,835.86	1,355.05
<i>For Class 52 Rating, Deduct</i>	-1,516.10	
<i>For Class 54 Rating, Add</i>	2,092.05	
<i>For Class 55 Rating, Add</i>	3,122.83	
<i>For Class 56 Rating, Add</i>	4,139.82	
40 05 19 00-1478 EA 36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,471.48	1,357.58
<i>For Class 52 Rating, Deduct</i>	-1,585.60	
<i>For Class 54 Rating, Add</i>	2,186.86	
<i>For Class 55 Rating, Add</i>	3,263.81	
<i>For Class 56 Rating, Add</i>	4,326.34	
40 05 19 00-1479 EA 36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,107.11	1,360.13
<i>For Class 52 Rating, Deduct</i>	-1,655.10	
<i>For Class 54 Rating, Add</i>	2,281.68	
<i>For Class 55 Rating, Add</i>	3,404.79	
<i>For Class 56 Rating, Add</i>	4,512.85	
40 05 19 00-1480 EA 36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,742.74	1,362.65
<i>For Class 52 Rating, Deduct</i>	-1,724.59	
<i>For Class 54 Rating, Add</i>	2,376.49	
<i>For Class 55 Rating, Add</i>	3,545.77	
<i>For Class 56 Rating, Add</i>	4,699.37	
40 05 19 00-1481 EA 36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,378.36	1,365.18
<i>For Class 52 Rating, Deduct</i>	-1,794.09	
<i>For Class 54 Rating, Add</i>	2,471.31	
<i>For Class 55 Rating, Add</i>	3,686.75	
<i>For Class 56 Rating, Add</i>	4,885.89	
40 05 19 00-1482 EA 36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,013.98	1,367.72
<i>For Class 52 Rating, Deduct</i>	-1,863.58	
<i>For Class 54 Rating, Add</i>	2,566.12	
<i>For Class 55 Rating, Add</i>	3,827.73	
<i>For Class 56 Rating, Add</i>	5,072.40	
40 05 19 00-1483 EA 36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,649.61	1,370.26
<i>For Class 52 Rating, Deduct</i>	-1,933.08	
<i>For Class 54 Rating, Add</i>	2,660.93	
<i>For Class 55 Rating, Add</i>	3,968.71	
<i>For Class 56 Rating, Add</i>	5,258.91	
40 05 19 00-1484 EA 36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,285.24	1,372.78
<i>For Class 52 Rating, Deduct</i>	-2,002.58	
<i>For Class 54 Rating, Add</i>	2,755.75	
<i>For Class 55 Rating, Add</i>	4,109.69	
<i>For Class 56 Rating, Add</i>	5,445.43	
40 05 19 00-1485 EA 36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,920.87	1,375.31
<i>For Class 52 Rating, Deduct</i>	-2,072.08	
<i>For Class 54 Rating, Add</i>	2,850.56	
<i>For Class 55 Rating, Add</i>	4,250.67	
<i>For Class 56 Rating, Add</i>	5,631.95	
40 05 19 00-1486 EA 36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,556.48	1,377.86
<i>For Class 52 Rating, Deduct</i>	-2,141.57	
<i>For Class 54 Rating, Add</i>	2,945.38	
<i>For Class 55 Rating, Add</i>	4,391.65	
<i>For Class 56 Rating, Add</i>	5,818.46	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1487	EA		36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,192.11	1,380.38
			<i>For Class 52 Rating, Deduct</i> .....	-2,211.07	
			<i>For Class 54 Rating, Add</i> .....	3,040.19	
			<i>For Class 55 Rating, Add</i> .....	4,532.63	
			<i>For Class 56 Rating, Add</i> .....	6,004.98	
40 05 19 00-1488	EA		36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,827.74	1,382.91
			<i>For Class 52 Rating, Deduct</i> .....	-2,280.57	
			<i>For Class 54 Rating, Add</i> .....	3,135.01	
			<i>For Class 55 Rating, Add</i> .....	4,673.62	
			<i>For Class 56 Rating, Add</i> .....	6,191.49	
40 05 19 00-1489	EA		36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,463.36	1,385.45
			<i>For Class 52 Rating, Deduct</i> .....	-2,350.06	
			<i>For Class 54 Rating, Add</i> .....	3,229.82	
			<i>For Class 55 Rating, Add</i> .....	4,814.60	
			<i>For Class 56 Rating, Add</i> .....	6,378.01	
40 05 19 00-1490	EA		36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,098.98	1,387.99
			<i>For Class 52 Rating, Deduct</i> .....	-2,419.56	
			<i>For Class 54 Rating, Add</i> .....	3,324.63	
			<i>For Class 55 Rating, Add</i> .....	4,955.58	
			<i>For Class 56 Rating, Add</i> .....	6,564.52	
40 05 19 00-1491	EA		36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,734.61	1,390.51
			<i>For Class 52 Rating, Deduct</i> .....	-2,489.05	
			<i>For Class 54 Rating, Add</i> .....	3,419.45	
			<i>For Class 55 Rating, Add</i> .....	5,096.56	
			<i>For Class 56 Rating, Add</i> .....	6,751.04	
40 05 19 00-1492	EA		36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,370.23	1,393.04
			<i>For Class 52 Rating, Deduct</i> .....	-2,558.55	
			<i>For Class 54 Rating, Add</i> .....	3,514.26	
			<i>For Class 55 Rating, Add</i> .....	5,237.54	
			<i>For Class 56 Rating, Add</i> .....	6,937.55	
40 05 19 00-1493	EA		36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,005.87	1,395.59
			<i>For Class 52 Rating, Deduct</i> .....	-2,628.05	
			<i>For Class 54 Rating, Add</i> .....	3,609.08	
			<i>For Class 55 Rating, Add</i> .....	5,378.52	
			<i>For Class 56 Rating, Add</i> .....	7,124.07	
40 05 19 00-1494	EA		36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,641.48	1,398.11
			<i>For Class 52 Rating, Deduct</i> .....	-2,697.54	
			<i>For Class 54 Rating, Add</i> .....	3,703.89	
			<i>For Class 55 Rating, Add</i> .....	5,519.50	
			<i>For Class 56 Rating, Add</i> .....	7,310.58	
40 05 19 00-1495	EA		36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,277.11	1,400.64
			<i>For Class 52 Rating, Deduct</i> .....	-2,767.04	
			<i>For Class 54 Rating, Add</i> .....	3,798.70	
			<i>For Class 55 Rating, Add</i> .....	5,660.48	
			<i>For Class 56 Rating, Add</i> .....	7,497.10	
40 05 19 00-1496	EA		36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,912.74	1,403.18
			<i>For Class 52 Rating, Deduct</i> .....	-2,836.54	
			<i>For Class 54 Rating, Add</i> .....	3,893.52	
			<i>For Class 55 Rating, Add</i> .....	5,801.46	
			<i>For Class 56 Rating, Add</i> .....	7,683.62	
40 05 19 00-1497	EA		36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	28,548.36	1,405.72
			<i>For Class 52 Rating, Deduct</i> .....	-2,906.04	
			<i>For Class 54 Rating, Add</i> .....	3,988.33	
			<i>For Class 55 Rating, Add</i> .....	5,942.44	
			<i>For Class 56 Rating, Add</i> .....	7,870.13	
40 05 19 00-1498	EA		36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	29,183.99	1,408.24
			<i>For Class 52 Rating, Deduct</i> .....	-2,975.53	
			<i>For Class 54 Rating, Add</i> .....	4,083.15	
			<i>For Class 55 Rating, Add</i> .....	6,083.42	
			<i>For Class 56 Rating, Add</i> .....	8,056.65	
40 05 19 00-1499	EA		36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	29,819.61	1,410.77
			<i>For Class 52 Rating, Deduct</i> .....	-3,045.03	
			<i>For Class 54 Rating, Add</i> .....	4,177.96	
			<i>For Class 55 Rating, Add</i> .....	6,224.40	
			<i>For Class 56 Rating, Add</i> .....	8,243.16	
40 05 19 00-1500	EA		36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	30,455.23	1,413.32
			<i>For Class 52 Rating, Deduct</i> .....	-3,114.52	
			<i>For Class 54 Rating, Add</i> .....	4,272.78	
			<i>For Class 55 Rating, Add</i> .....	6,365.38	
			<i>For Class 56 Rating, Add</i> .....	8,429.68	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1501 EA 36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,090.87	1,415.84
For Class 52 Rating, Deduct	-3,184.02	
For Class 54 Rating, Add	4,367.59	
For Class 55 Rating, Add	6,506.37	
For Class 56 Rating, Add	8,616.19	
<b>40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
(40 05 19 00-1028)		
40 05 19 00-1503 EA 42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,991.89	1,666.60
For Class 52 Rating, Deduct	-821.34	
For Class 54 Rating, Add	1,150.31	
For Class 55 Rating, Add	1,725.69	
For Class 56 Rating, Add	2,293.60	
40 05 19 00-1504 EA 42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,939.64	1,669.12
For Class 52 Rating, Deduct	-925.17	
For Class 54 Rating, Add	1,291.95	
For Class 55 Rating, Add	1,936.27	
For Class 56 Rating, Add	2,572.19	
40 05 19 00-1505 EA 42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,876.12	1,671.65
For Class 52 Rating, Deduct	-1,027.76	
For Class 54 Rating, Add	1,431.89	
For Class 55 Rating, Add	2,144.35	
For Class 56 Rating, Add	2,847.46	
40 05 19 00-1506 EA 42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,822.00	1,674.19
For Class 52 Rating, Deduct	-1,131.39	
For Class 54 Rating, Add	1,573.24	
For Class 55 Rating, Add	2,354.51	
For Class 56 Rating, Add	3,125.50	
40 05 19 00-1507 EA 42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,758.48	1,676.73
For Class 52 Rating, Deduct	-1,233.98	
For Class 54 Rating, Add	1,713.18	
For Class 55 Rating, Add	2,562.58	
For Class 56 Rating, Add	3,400.76	
40 05 19 00-1508 EA 42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,706.24	1,679.25
For Class 52 Rating, Deduct	-1,337.81	
For Class 54 Rating, Add	1,854.82	
For Class 55 Rating, Add	2,773.17	
For Class 56 Rating, Add	3,679.36	
40 05 19 00-1509 EA 42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,640.83	1,681.78
For Class 52 Rating, Deduct	-1,440.19	
For Class 54 Rating, Add	1,994.48	
For Class 55 Rating, Add	2,980.82	
For Class 56 Rating, Add	3,954.07	
40 05 19 00-1510 EA 42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,588.59	1,684.33
For Class 52 Rating, Deduct	-1,544.02	
For Class 54 Rating, Add	2,136.11	
For Class 55 Rating, Add	3,191.41	
For Class 56 Rating, Add	4,232.67	
40 05 19 00-1511 EA 42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,525.07	1,686.86
For Class 52 Rating, Deduct	-1,646.62	
For Class 54 Rating, Add	2,276.05	
For Class 55 Rating, Add	3,399.48	
For Class 56 Rating, Add	4,507.93	
40 05 19 00-1512 EA 42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,470.94	1,689.38
For Class 52 Rating, Deduct	-1,750.24	
For Class 54 Rating, Add	2,417.41	
For Class 55 Rating, Add	3,609.65	
For Class 56 Rating, Add	4,785.97	
40 05 19 00-1513 EA 42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,407.42	1,691.92
For Class 52 Rating, Deduct	-1,852.83	
For Class 54 Rating, Add	2,557.35	
For Class 55 Rating, Add	3,817.72	
For Class 56 Rating, Add	5,061.24	
40 05 19 00-1514 EA 42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,353.30	1,694.46
For Class 52 Rating, Deduct	-1,956.45	
For Class 54 Rating, Add	2,698.70	
For Class 55 Rating, Add	4,027.88	
For Class 56 Rating, Add	5,339.28	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1515	EA		42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,289.78	1,696.98
			<i>For Class 52 Rating, Deduct</i>	-2,059.04	
			<i>For Class 54 Rating, Add</i>	2,838.64	
			<i>For Class 55 Rating, Add</i>	4,235.95	
			<i>For Class 56 Rating, Add</i>	5,614.55	
40 05 19 00-1516	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,228.13	1,699.51
			<i>For Class 52 Rating, Deduct</i>	-2,161.84	
			<i>For Class 54 Rating, Add</i>	2,978.87	
			<i>For Class 55 Rating, Add</i>	4,444.44	
			<i>For Class 56 Rating, Add</i>	5,890.37	
40 05 19 00-1517	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,172.12	1,702.05
			<i>For Class 52 Rating, Deduct</i>	-2,265.26	
			<i>For Class 54 Rating, Add</i>	3,119.94	
			<i>For Class 55 Rating, Add</i>	4,654.19	
			<i>For Class 56 Rating, Add</i>	6,167.85	
40 05 19 00-1518	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,108.60	1,704.59
			<i>For Class 52 Rating, Deduct</i>	-2,367.85	
			<i>For Class 54 Rating, Add</i>	3,259.88	
			<i>For Class 55 Rating, Add</i>	4,862.26	
			<i>For Class 56 Rating, Add</i>	6,443.12	
40 05 19 00-1519	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,056.36	1,707.11
			<i>For Class 52 Rating, Deduct</i>	-2,471.68	
			<i>For Class 54 Rating, Add</i>	3,401.51	
			<i>For Class 55 Rating, Add</i>	5,072.85	
			<i>For Class 56 Rating, Add</i>	6,721.71	
40 05 19 00-1520	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,992.84	1,709.64
			<i>For Class 52 Rating, Deduct</i>	-2,574.27	
			<i>For Class 54 Rating, Add</i>	3,541.45	
			<i>For Class 55 Rating, Add</i>	5,280.92	
			<i>For Class 56 Rating, Add</i>	6,996.98	
40 05 19 00-1521	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,938.71	1,712.19
			<i>For Class 52 Rating, Deduct</i>	-2,677.90	
			<i>For Class 54 Rating, Add</i>	3,682.81	
			<i>For Class 55 Rating, Add</i>	5,491.08	
			<i>For Class 56 Rating, Add</i>	7,275.02	
40 05 19 00-1522	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,875.19	1,714.71
			<i>For Class 52 Rating, Deduct</i>	-2,780.49	
			<i>For Class 54 Rating, Add</i>	3,822.75	
			<i>For Class 55 Rating, Add</i>	5,699.16	
			<i>For Class 56 Rating, Add</i>	7,550.29	
40 05 19 00-1523	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,822.95	1,717.24
			<i>For Class 52 Rating, Deduct</i>	-2,884.32	
			<i>For Class 54 Rating, Add</i>	3,964.38	
			<i>For Class 55 Rating, Add</i>	5,909.74	
			<i>For Class 56 Rating, Add</i>	7,828.88	
40 05 19 00-1524	EA		42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,759.42	1,719.78
			<i>For Class 52 Rating, Deduct</i>	-2,986.91	
			<i>For Class 54 Rating, Add</i>	4,104.32	
			<i>For Class 55 Rating, Add</i>	6,117.81	
			<i>For Class 56 Rating, Add</i>	8,104.15	
40 05 19 00-1525	EA		42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,705.31	1,722.32
			<i>For Class 52 Rating, Deduct</i>	-3,090.53	
			<i>For Class 54 Rating, Add</i>	4,245.68	
			<i>For Class 55 Rating, Add</i>	6,327.98	
			<i>For Class 56 Rating, Add</i>	8,382.19	
40 05 19 00-1526	EA		42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,641.78	1,724.84
			<i>For Class 52 Rating, Deduct</i>	-3,193.12	
			<i>For Class 54 Rating, Add</i>	4,385.62	
			<i>For Class 55 Rating, Add</i>	6,536.05	
			<i>For Class 56 Rating, Add</i>	8,657.45	
40 05 19 00-1527	EA		42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,589.54	1,727.37
			<i>For Class 52 Rating, Deduct</i>	-3,296.95	
			<i>For Class 54 Rating, Add</i>	4,527.25	
			<i>For Class 55 Rating, Add</i>	6,746.64	
			<i>For Class 56 Rating, Add</i>	8,936.05	
40 05 19 00-1528	EA		42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,526.02	1,729.92
			<i>For Class 52 Rating, Deduct</i>	-3,399.54	
			<i>For Class 54 Rating, Add</i>	4,667.19	
			<i>For Class 55 Rating, Add</i>	6,954.71	
			<i>For Class 56 Rating, Add</i>	9,211.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1529 EA 42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,470.01	1,732.44
<i>For Class 52 Rating, Deduct</i>	-3,502.96	
<i>For Class 54 Rating, Add</i>	4,808.26	
<i>For Class 55 Rating, Add</i>	7,164.46	
<i>For Class 56 Rating, Add</i>	9,488.80	
40 05 19 00-1530 EA 42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,408.38	1,734.97
<i>For Class 52 Rating, Deduct</i>	-3,605.76	
<i>For Class 54 Rating, Add</i>	4,948.49	
<i>For Class 55 Rating, Add</i>	7,372.95	
<i>For Class 56 Rating, Add</i>	9,764.62	
40 05 19 00-1531 EA 42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,156.82	1,737.51
<i>For Class 52 Rating, Deduct</i>	-3,687.67	
<i>For Class 54 Rating, Add</i>	5,060.23	
<i>For Class 55 Rating, Add</i>	7,539.09	
<i>For Class 56 Rating, Add</i>	9,984.42	
40 05 19 00-1532 EA 42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,290.72	1,740.05
<i>For Class 52 Rating, Deduct</i>	-3,811.97	
<i>For Class 54 Rating, Add</i>	5,229.78	
<i>For Class 55 Rating, Add</i>	7,791.18	
<i>For Class 56 Rating, Add</i>	10,317.93	
40 05 19 00-1533 EA 42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,227.21	1,742.57
<i>For Class 52 Rating, Deduct</i>	-3,914.56	
<i>For Class 54 Rating, Add</i>	5,369.72	
<i>For Class 55 Rating, Add</i>	7,999.25	
<i>For Class 56 Rating, Add</i>	10,593.20	
40 05 19 00-1534 EA 42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,173.08	1,745.10
<i>For Class 52 Rating, Deduct</i>	-4,018.19	
<i>For Class 54 Rating, Add</i>	5,511.08	
<i>For Class 55 Rating, Add</i>	8,209.42	
<i>For Class 56 Rating, Add</i>	10,871.24	
40 05 19 00-1535 EA 42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,109.56	1,747.65
<i>For Class 52 Rating, Deduct</i>	-4,120.78	
<i>For Class 54 Rating, Add</i>	5,651.02	
<i>For Class 55 Rating, Add</i>	8,417.49	
<i>For Class 56 Rating, Add</i>	11,146.50	
40 05 19 00-1536 EA 42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,057.32	1,750.18
<i>For Class 52 Rating, Deduct</i>	-4,224.61	
<i>For Class 54 Rating, Add</i>	5,792.65	
<i>For Class 55 Rating, Add</i>	8,628.08	
<i>For Class 56 Rating, Add</i>	11,425.10	
40 05 19 00-1537 EA 42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,991.90	1,752.70
<i>For Class 52 Rating, Deduct</i>	-4,326.99	
<i>For Class 54 Rating, Add</i>	5,932.31	
<i>For Class 55 Rating, Add</i>	8,835.73	
<i>For Class 56 Rating, Add</i>	11,699.81	
40 05 19 00-1538 EA 42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,939.68	1,755.24
<i>For Class 52 Rating, Deduct</i>	-4,430.82	
<i>For Class 54 Rating, Add</i>	6,073.95	
<i>For Class 55 Rating, Add</i>	9,046.32	
<i>For Class 56 Rating, Add</i>	11,978.41	
40 05 19 00-1539 EA 42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,876.14	1,757.78
<i>For Class 52 Rating, Deduct</i>	-4,533.41	
<i>For Class 54 Rating, Add</i>	6,213.89	
<i>For Class 55 Rating, Add</i>	9,254.38	
<i>For Class 56 Rating, Add</i>	12,253.67	
40 05 19 00-1540 EA 42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,822.02	1,760.30
<i>For Class 52 Rating, Deduct</i>	-4,637.04	
<i>For Class 54 Rating, Add</i>	6,355.24	
<i>For Class 55 Rating, Add</i>	9,464.55	
<i>For Class 56 Rating, Add</i>	12,531.71	
<b>40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1542 EA 48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,883.66	2,094.63
<i>For Class 52 Rating, Deduct</i>	-1,068.10	
<i>For Class 54 Rating, Add</i>	1,494.58	
<i>For Class 55 Rating, Add</i>	2,241.49	
<i>For Class 56 Rating, Add</i>	2,978.69	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1543	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		14,262.02	2,097.16
		<i>For Class 52 Rating, Deduct</i>		-1,219.29	
		<i>For Class 54 Rating, Add</i>		1,700.80	
		<i>For Class 55 Rating, Add</i>		2,548.10	
		<i>For Class 56 Rating, Add</i>		3,384.32	
40 05 19 00-1544	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		15,638.48	2,099.71
		<i>For Class 52 Rating, Deduct</i>		-1,370.28	
		<i>For Class 54 Rating, Add</i>		1,906.74	
		<i>For Class 55 Rating, Add</i>		2,854.29	
		<i>For Class 56 Rating, Add</i>		3,789.38	
40 05 19 00-1545	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		17,026.24	2,102.24
		<i>For Class 52 Rating, Deduct</i>		-1,522.51	
		<i>For Class 54 Rating, Add</i>		2,114.38	
		<i>For Class 55 Rating, Add</i>		3,163.00	
		<i>For Class 56 Rating, Add</i>		4,197.77	
40 05 19 00-1546	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		18,404.59	2,104.76
		<i>For Class 52 Rating, Deduct</i>		-1,673.71	
		<i>For Class 54 Rating, Add</i>		2,320.60	
		<i>For Class 55 Rating, Add</i>		3,469.60	
		<i>For Class 56 Rating, Add</i>		4,603.39	
40 05 19 00-1547	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		19,782.94	2,107.30
		<i>For Class 52 Rating, Deduct</i>		-1,824.91	
		<i>For Class 54 Rating, Add</i>		2,526.82	
		<i>For Class 55 Rating, Add</i>		3,776.21	
		<i>For Class 56 Rating, Add</i>		5,009.01	
40 05 19 00-1548	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		21,168.82	2,109.84
		<i>For Class 52 Rating, Deduct</i>		-1,976.93	
		<i>For Class 54 Rating, Add</i>		2,734.18	
		<i>For Class 55 Rating, Add</i>		4,084.50	
		<i>For Class 56 Rating, Add</i>		5,416.85	
40 05 19 00-1549	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		22,549.04	2,112.36
		<i>For Class 52 Rating, Deduct</i>		-2,128.33	
		<i>For Class 54 Rating, Add</i>		2,940.68	
		<i>For Class 55 Rating, Add</i>		4,391.53	
		<i>For Class 56 Rating, Add</i>		5,823.02	
40 05 19 00-1550	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		23,925.52	2,114.89
		<i>For Class 52 Rating, Deduct</i>		-2,279.32	
		<i>For Class 54 Rating, Add</i>		3,146.62	
		<i>For Class 55 Rating, Add</i>		4,697.72	
		<i>For Class 56 Rating, Add</i>		6,228.09	
40 05 19 00-1551	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		25,313.27	2,117.43
		<i>For Class 52 Rating, Deduct</i>		-2,431.55	
		<i>For Class 54 Rating, Add</i>		3,354.25	
		<i>For Class 55 Rating, Add</i>		5,006.42	
		<i>For Class 56 Rating, Add</i>		6,636.48	
40 05 19 00-1552	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		26,691.63	2,119.97
		<i>For Class 52 Rating, Deduct</i>		-2,582.75	
		<i>For Class 54 Rating, Add</i>		3,560.48	
		<i>For Class 55 Rating, Add</i>		5,313.03	
		<i>For Class 56 Rating, Add</i>		7,042.10	
40 05 19 00-1553	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		28,079.37	2,122.49
		<i>For Class 52 Rating, Deduct</i>		-2,734.98	
		<i>For Class 54 Rating, Add</i>		3,768.11	
		<i>For Class 55 Rating, Add</i>		5,621.74	
		<i>For Class 56 Rating, Add</i>		7,450.50	
40 05 19 00-1554	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		29,455.84	2,125.03
		<i>For Class 52 Rating, Deduct</i>		-2,885.97	
		<i>For Class 54 Rating, Add</i>		3,974.05	
		<i>For Class 55 Rating, Add</i>		5,927.92	
		<i>For Class 56 Rating, Add</i>		7,855.56	
40 05 19 00-1555	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		30,834.20	2,127.57
		<i>For Class 52 Rating, Deduct</i>		-3,037.17	
		<i>For Class 54 Rating, Add</i>		4,180.28	
		<i>For Class 55 Rating, Add</i>		6,234.53	
		<i>For Class 56 Rating, Add</i>		8,261.18	
40 05 19 00-1556	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		32,221.94	2,130.10
		<i>For Class 52 Rating, Deduct</i>		-3,189.40	
		<i>For Class 54 Rating, Add</i>		4,387.91	
		<i>For Class 55 Rating, Add</i>		6,543.24	
		<i>For Class 56 Rating, Add</i>		8,669.57	



<b>Process Interconnections</b>	<b>40</b>
<b>Common Work Results For Process Interconnections</b>	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1557 EA 48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,600.31	2,132.62
<i>For Class 52 Rating, Deduct</i>	-3,340.60	
<i>For Class 54 Rating, Add</i>	4,594.13	
<i>For Class 55 Rating, Add</i>	6,849.85	
<i>For Class 56 Rating, Add</i>	9,075.20	
40 05 19 00-1558 EA 48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,976.77	2,135.16
<i>For Class 52 Rating, Deduct</i>	-3,491.58	
<i>For Class 54 Rating, Add</i>	4,800.07	
<i>For Class 55 Rating, Add</i>	7,156.04	
<i>For Class 56 Rating, Add</i>	9,480.26	
40 05 19 00-1559 EA 48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,364.53	2,137.70
<i>For Class 52 Rating, Deduct</i>	-3,643.82	
<i>For Class 54 Rating, Add</i>	5,007.71	
<i>For Class 55 Rating, Add</i>	7,464.74	
<i>For Class 56 Rating, Add</i>	9,888.65	
40 05 19 00-1560 EA 48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,742.88	2,140.22
<i>For Class 52 Rating, Deduct</i>	-3,795.01	
<i>For Class 54 Rating, Add</i>	5,213.93	
<i>For Class 55 Rating, Add</i>	7,771.35	
<i>For Class 56 Rating, Add</i>	10,294.27	
40 05 19 00-1561 EA 48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,119.34	2,142.75
<i>For Class 52 Rating, Deduct</i>	-3,946.00	
<i>For Class 54 Rating, Add</i>	5,419.87	
<i>For Class 55 Rating, Add</i>	8,077.54	
<i>For Class 56 Rating, Add</i>	10,699.34	
40 05 19 00-1562 EA 48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,507.11	2,145.30
<i>For Class 52 Rating, Deduct</i>	-4,098.23	
<i>For Class 54 Rating, Add</i>	5,627.50	
<i>For Class 55 Rating, Add</i>	8,386.25	
<i>For Class 56 Rating, Add</i>	11,107.73	
40 05 19 00-1563 EA 48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,887.33	2,147.83
<i>For Class 52 Rating, Deduct</i>	-4,249.64	
<i>For Class 54 Rating, Add</i>	5,834.01	
<i>For Class 55 Rating, Add</i>	8,693.27	
<i>For Class 56 Rating, Add</i>	11,513.90	
40 05 19 00-1564 EA 48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,263.80	2,150.35
<i>For Class 52 Rating, Deduct</i>	-4,400.63	
<i>For Class 54 Rating, Add</i>	6,039.95	
<i>For Class 55 Rating, Add</i>	8,999.46	
<i>For Class 56 Rating, Add</i>	11,918.97	
40 05 19 00-1565 EA 48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,651.56	2,152.89
<i>For Class 52 Rating, Deduct</i>	-4,552.86	
<i>For Class 54 Rating, Add</i>	6,247.58	
<i>For Class 55 Rating, Add</i>	9,308.17	
<i>For Class 56 Rating, Add</i>	12,327.36	
40 05 19 00-1566 EA 48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,029.91	2,155.43
<i>For Class 52 Rating, Deduct</i>	-4,704.05	
<i>For Class 54 Rating, Add</i>	6,453.81	
<i>For Class 55 Rating, Add</i>	9,614.78	
<i>For Class 56 Rating, Add</i>	12,732.98	
40 05 19 00-1567 EA 48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,406.38	2,157.95
<i>For Class 52 Rating, Deduct</i>	-4,855.04	
<i>For Class 54 Rating, Add</i>	6,659.75	
<i>For Class 55 Rating, Add</i>	9,920.97	
<i>For Class 56 Rating, Add</i>	13,138.05	
40 05 19 00-1568 EA 48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,794.14	2,160.48
<i>For Class 52 Rating, Deduct</i>	-5,007.27	
<i>For Class 54 Rating, Add</i>	6,867.38	
<i>For Class 55 Rating, Add</i>	10,229.67	
<i>For Class 56 Rating, Add</i>	13,546.44	
40 05 19 00-1569 EA 48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,172.48	2,163.03
<i>For Class 52 Rating, Deduct</i>	-5,158.47	
<i>For Class 54 Rating, Add</i>	7,073.60	
<i>For Class 55 Rating, Add</i>	10,536.28	
<i>For Class 56 Rating, Add</i>	13,952.06	
40 05 19 00-1570 EA 48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,381.62	2,165.56
<i>For Class 52 Rating, Deduct</i>	-5,291.05	
<i>For Class 54 Rating, Add</i>	7,254.44	
<i>For Class 55 Rating, Add</i>	10,805.15	
<i>For Class 56 Rating, Add</i>	14,307.76	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1571 EA 48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	52,938.59	2,168.08
For Class 52 Rating, Deduct	-5,461.90	
For Class 54 Rating, Add	7,487.46	
For Class 55 Rating, Add	11,151.59	
For Class 56 Rating, Add	14,766.07	
40 05 19 00-1572 EA 48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	54,315.06	2,170.62
For Class 52 Rating, Deduct	-5,612.89	
For Class 54 Rating, Add	7,693.40	
For Class 55 Rating, Add	11,457.78	
For Class 56 Rating, Add	15,171.14	
40 05 19 00-1573 EA 48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	55,704.70	2,173.16
For Class 52 Rating, Deduct	-5,765.32	
For Class 54 Rating, Add	7,901.32	
For Class 55 Rating, Add	11,766.91	
For Class 56 Rating, Add	15,580.09	
40 05 19 00-1574 EA 48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	57,081.16	2,175.68
For Class 52 Rating, Deduct	-5,916.31	
For Class 54 Rating, Add	8,107.26	
For Class 55 Rating, Add	12,073.10	
For Class 56 Rating, Add	15,985.15	
40 05 19 00-1575 EA 48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	58,457.64	2,178.21
For Class 52 Rating, Deduct	-6,067.30	
For Class 54 Rating, Add	8,313.20	
For Class 55 Rating, Add	12,379.29	
For Class 56 Rating, Add	16,390.22	
40 05 19 00-1576 EA 48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	59,847.27	2,180.76
For Class 52 Rating, Deduct	-6,219.74	
For Class 54 Rating, Add	8,521.12	
For Class 55 Rating, Add	12,688.41	
For Class 56 Rating, Add	16,799.16	
40 05 19 00-1577 EA 48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	61,223.75	2,183.29
For Class 52 Rating, Deduct	-6,370.73	
For Class 54 Rating, Add	8,727.06	
For Class 55 Rating, Add	12,994.60	
For Class 56 Rating, Add	17,204.23	
40 05 19 00-1578 EA 48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	62,602.09	2,185.81
For Class 52 Rating, Deduct	-6,521.93	
For Class 54 Rating, Add	8,933.28	
For Class 55 Rating, Add	13,301.21	
For Class 56 Rating, Add	17,609.85	
40 05 19 00-1579 EA 48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	63,989.85	2,188.35
For Class 52 Rating, Deduct	-6,674.16	
For Class 54 Rating, Add	9,140.91	
For Class 55 Rating, Add	13,609.92	
For Class 56 Rating, Add	18,018.24	

**40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree****Elbows (40 05 19 00-0001)**

40 05 19 00-1581 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	377.97	122.20
40 05 19 00-1582 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	535.14	156.27
40 05 19 00-1583 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	759.38	177.00
40 05 19 00-1584 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	1,119.72	224.39
40 05 19 00-1585 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	1,393.19	248.84
40 05 19 00-1586 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	1,746.64	270.31
40 05 19 00-1587 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	2,151.64	333.27
40 05 19 00-1588 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	2,832.50	399.92
40 05 19 00-1589 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	3,486.43	503.60
40 05 19 00-1590 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	5,353.75	570.26
40 05 19 00-1591 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	9,055.76	755.40
40 05 19 00-1592 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	12,891.93	855.38
40 05 19 00-1593 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	21,707.50	977.57
40 05 19 00-1594 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	28,929.32	1,199.75

**40 05 19 00-1595 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree****Elbows (40 05 19 00-0001)**

40 05 19 00-1596 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	356.86	122.20
40 05 19 00-1597 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	501.36	156.27
40 05 19 00-1598 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	673.52	177.00
40 05 19 00-1599 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	995.87	224.39
40 05 19 00-1600 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,235.56	248.84
40 05 19 00-1601 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,425.74	270.31
40 05 19 00-1602 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,796.97	333.27
40 05 19 00-1603 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	2,355.38	399.92



		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1604	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	3,051.53	503.60
40 05 19 00-1605	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	4,042.02	570.26
40 05 19 00-1606	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	8,095.89	755.40
40 05 19 00-1607	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	12,191.02	855.38
40 05 19 00-1608	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	18,694.17	977.57
40 05 19 00-1609	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	25,520.50	1,199.75
<b>40 05 19 00-1610</b>		<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows</b> <small>(40 05 19 00-0001)</small>		
40 05 19 00-1611	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	355.45	122.20
40 05 19 00-1612	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	490.10	156.27
40 05 19 00-1613	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	663.67	177.00
40 05 19 00-1614	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	967.72	224.39
40 05 19 00-1615	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	1,297.49	248.84
40 05 19 00-1616	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	1,621.38	270.31
40 05 19 00-1617	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	1,840.60	333.27
40 05 19 00-1618	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	2,408.86	399.92
40 05 19 00-1619	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	3,283.75	503.60
40 05 19 00-1620	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	4,571.22	570.26
40 05 19 00-1621	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	8,190.18	755.40
40 05 19 00-1622	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	12,407.77	855.38
40 05 19 00-1623	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	19,126.26	977.57
40 05 19 00-1624	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	26,083.47	1,199.75
<b>40 05 19 00-1625</b>		<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows</b> <small>(40 05 19 00-0001)</small>		
40 05 19 00-1626	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	390.64	122.20
40 05 19 00-1627	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	556.25	156.27
40 05 19 00-1628	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	691.82	177.00
40 05 19 00-1629	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	1,067.65	224.39
40 05 19 00-1630	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	1,481.86	248.84
40 05 19 00-1631	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	1,669.23	270.31
40 05 19 00-1632	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	2,040.46	333.27
40 05 19 00-1633	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	2,408.86	399.92
40 05 19 00-1634	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	3,283.75	503.60
40 05 19 00-1635	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	4,761.22	570.26
40 05 19 00-1636	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	8,284.48	755.40
40 05 19 00-1637	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	12,500.66	855.38
40 05 19 00-1638	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	19,224.78	977.57
40 05 19 00-1639	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	26,281.92	1,199.75
<b>40 05 19 00-1640</b>		<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows</b> <small>(40 05 19 00-0001)</small>		
40 05 19 00-1641	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	507.92	139.24
40 05 19 00-1642	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	632.00	149.60
40 05 19 00-1643	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	712.70	166.63
40 05 19 00-1644	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	963.48	173.30
40 05 19 00-1645	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,016.04	190.33
40 05 19 00-1646	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,111.96	200.70
40 05 19 00-1647	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,036.03	185.89
40 05 19 00-1648	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,168.80	202.92
40 05 19 00-1649	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,347.78	213.29
40 05 19 00-1650	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,434.36	236.99
40 05 19 00-1651	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,347.78	213.29
40 05 19 00-1652	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,495.79	223.66
40 05 19 00-1653	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,666.82	247.36
40 05 19 00-1654	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,847.75	259.94
40 05 19 00-1655	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,554.51	244.77
40 05 19 00-1656	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,678.59	255.13
40 05 19 00-1657	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,929.85	278.84
40 05 19 00-1658	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,108.80	291.06
40 05 19 00-1659	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,260.19	301.79
40 05 19 00-1660	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,820.35	278.09
40 05 19 00-1661	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,186.51	288.46
40 05 19 00-1662	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,249.15	312.16
40 05 19 00-1663	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,376.04	324.38
40 05 19 00-1664	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,580.91	335.12
40 05 19 00-1665	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,814.38	366.59
40 05 19 00-1666	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,354.91	329.93
40 05 19 00-1667	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,515.58	340.30
40 05 19 00-1668	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,129.94	363.99
40 05 19 00-1669	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,248.39	376.22
40 05 19 00-1670	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,588.37	386.96
40 05 19 00-1671	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,502.35	418.44
40 05 19 00-1672	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,727.38	451.76
40 05 19 00-1673	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,331.49	363.26
40 05 19 00-1674	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,493.58	373.62

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-1675	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,760.31	397.33
40 05 19 00-1676	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,953.35	409.55
40 05 19 00-1677	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	4,317.26	420.29
40 05 19 00-1678	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	4,653.47	451.76
40 05 19 00-1679	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	4,761.67	485.09
40 05 19 00-1680	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	5,013.91	479.73
40 05 19 00-1681	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	5,973.95	502.12
40 05 19 00-1682	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	6,363.19	512.86
40 05 19 00-1683	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	7,179.34	544.34
40 05 19 00-1684	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,355.78	577.66
40 05 19 00-1685	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	9,668.65	629.50
40 05 19 00-1686	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	10,211.75	662.83
40 05 19 00-1687	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,255.15	552.11
40 05 19 00-1688	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	10,720.36	562.84
40 05 19 00-1689	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,692.08	594.32
40 05 19 00-1690	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	11,377.30	627.65
40 05 19 00-1691	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	10,868.94	679.49
40 05 19 00-1692	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	11,855.39	712.81
40 05 19 00-1693	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	12,640.26	805.39
40 05 19 00-1694	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	14,669.33	623.95
40 05 19 00-1695	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	12,348.30	655.43
40 05 19 00-1696	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	16,667.55	688.75
40 05 19 00-1697	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	16,390.01	740.58
40 05 19 00-1698	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	14,282.90	773.91
40 05 19 00-1699	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	16,838.33	866.49
40 05 19 00-1700	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	23,833.06	916.48
40 05 19 00-1701	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	22,807.14	894.26
40 05 19 00-1702	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	24,801.00	986.84
40 05 19 00-1703	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	25,524.16	1,036.82
40 05 19 00-1704	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	32,680.68	1,097.93

**40 05 19 00-1705 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows** (40 05 19 00-0001)

40 05 19 00-1706	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	455.38	122.20
40 05 19 00-1707	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	708.25	156.27
40 05 19 00-1708	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	1,049.31	177.00
40 05 19 00-1709	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	1,496.92	224.39
40 05 19 00-1710	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	2,126.47	248.84
40 05 19 00-1711	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	2,482.73	270.31
40 05 19 00-1712	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	3,224.11	333.27
40 05 19 00-1713	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	3,996.45	399.92
40 05 19 00-1714	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	5,456.84	503.60
40 05 19 00-1715	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	8,047.59	570.26
40 05 19 00-1716	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	14,211.21	755.40
40 05 19 00-1717	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	21,687.02	855.38
40 05 19 00-1718	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	33,691.85	977.57

**40 05 19 00-1719 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base** (40 05 19 00-0001)

40 05 19 00-1720	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	482.12	122.20
40 05 19 00-1721	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	656.18	156.27
40 05 19 00-1722	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	1,085.90	177.00
40 05 19 00-1723	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	1,470.17	224.39
40 05 19 00-1724	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	1,984.32	248.84
40 05 19 00-1725	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	2,347.61	270.31
40 05 19 00-1726	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	2,900.40	333.27
40 05 19 00-1727	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	3,647.41	399.92
40 05 19 00-1728	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	4,817.86	503.60
40 05 19 00-1729	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	6,831.57	570.26
40 05 19 00-1730	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	11,231.66	755.40
40 05 19 00-1731	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	16,100.89	855.38
40 05 19 00-1732	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	30,015.62	977.57
40 05 19 00-1733	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	32,339.54	1,199.75

**40 05 19 00-1734 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees** (40 05 19 00-0001)

40 05 19 00-1735	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	649.21	196.26
40 05 19 00-1736	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	804.93	241.43
40 05 19 00-1737	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	1,141.72	269.57
40 05 19 00-1738	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	1,645.45	350.30
40 05 19 00-1739	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	2,200.38	382.15
40 05 19 00-1740	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	2,963.33	411.02
40 05 19 00-1741	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	3,348.43	518.41
40 05 19 00-1742	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	4,089.76	592.47
40 05 19 00-1743	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	5,158.61	748.00
40 05 19 00-1744	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	7,643.74	825.75
40 05 19 00-1745	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	13,053.71	1,140.50
40 05 19 00-1746	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	18,872.61	1,307.13





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1747	EA			42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	39,232.98	1,510.80
<b>40 05 19 00-1748</b>				<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees</b>		
				<small>(40 05 19 00-0001)</small>		
40 05 19 00-1749	EA			6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	817.71	219.21
40 05 19 00-1750	EA			8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,020.07	223.66
40 05 19 00-1751	EA			8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,014.87	251.80
40 05 19 00-1752	EA			10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,352.96	247.36
40 05 19 00-1753	EA			10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,330.85	275.49
40 05 19 00-1754	EA			10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,402.82	293.27
40 05 19 00-1755	EA			12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,723.89	259.94
40 05 19 00-1756	EA			12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,714.46	288.09
40 05 19 00-1757	EA			12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,810.34	305.86
40 05 19 00-1758	EA			12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,157.14	362.89
40 05 19 00-1759	EA			14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,530.58	270.31
40 05 19 00-1760	EA			14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,470.48	298.46
40 05 19 00-1761	EA			14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,579.03	316.24
40 05 19 00-1762	EA			14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,717.52	373.26
40 05 19 00-1763	EA			14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,882.37	392.88
40 05 19 00-1764	EA			16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,073.69	301.79
40 05 19 00-1765	EA			16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,823.58	329.93
40 05 19 00-1766	EA			16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,774.50	347.70
40 05 19 00-1767	EA			16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,256.40	404.74
40 05 19 00-1768	EA			16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,155.25	424.36
40 05 19 00-1769	EA			16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,523.33	442.50
40 05 19 00-1770	EA			18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,764.57	335.12
40 05 19 00-1771	EA			18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,819.18	363.26
40 05 19 00-1772	EA			18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,404.87	381.03
40 05 19 00-1773	EA			18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,408.23	438.06
40 05 19 00-1774	EA			18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,712.42	457.68
40 05 19 00-1775	EA			18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,056.58	475.83
40 05 19 00-1776	EA			18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,333.45	551.74
40 05 19 00-1777	EA			20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,377.89	386.96
40 05 19 00-1778	EA			20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,164.43	415.10
40 05 19 00-1779	EA			20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,249.06	432.87
40 05 19 00-1780	EA			20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,422.73	489.90
40 05 19 00-1781	EA			20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,596.01	509.53
40 05 19 00-1782	EA			20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,653.07	527.67
40 05 19 00-1783	EA			20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,608.32	603.58
40 05 19 00-1784	EA			20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,727.75	644.31
40 05 19 00-1785	EA			24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,533.28	420.29
40 05 19 00-1786	EA			24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,765.23	448.42
40 05 19 00-1787	EA			24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,982.17	466.20
40 05 19 00-1788	EA			24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,174.13	523.23
40 05 19 00-1789	EA			24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,806.24	542.85
40 05 19 00-1790	EA			24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,949.16	560.99
40 05 19 00-1791	EA			24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,140.17	636.91
40 05 19 00-1792	EA			24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,094.88	677.64
40 05 19 00-1793	EA			24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,369.38	724.12
40 05 19 00-1794	EA			30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,852.64	541.00
40 05 19 00-1795	EA			30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,909.14	558.77
40 05 19 00-1796	EA			30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,182.73	615.80
40 05 19 00-1797	EA			30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,212.46	635.43
40 05 19 00-1798	EA			30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,239.96	653.57
40 05 19 00-1799	EA			30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,447.86	729.48
40 05 19 00-1800	EA			30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,571.50	770.21
40 05 19 00-1801	EA			30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,882.01	873.90
40 05 19 00-1802	EA			30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,961.26	918.33
40 05 19 00-1803	EA			36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,586.78	774.29
40 05 19 00-1804	EA			36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,541.23	788.35
40 05 19 00-1805	EA			36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,633.35	828.72
40 05 19 00-1806	EA			36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,750.37	844.64
40 05 19 00-1807	EA			36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,803.22	859.08
40 05 19 00-1808	EA			36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,946.49	912.78
40 05 19 00-1809	EA			36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,033.56	949.80
40 05 19 00-1810	EA			36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,275.24	1,027.57
40 05 19 00-1811	EA			36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,614.23	1,066.45
40 05 19 00-1812	EA			36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	20,474.71	1,223.82
40 05 19 00-1813	EA			42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,413.64	669.86
40 05 19 00-1814	EA			42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,056.72	726.89
40 05 19 00-1815	EA			42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,086.45	746.52
40 05 19 00-1816	EA			42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,146.33	764.66
40 05 19 00-1817	EA			42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,327.49	840.57
40 05 19 00-1818	EA			42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,555.27	881.30
40 05 19 00-1819	EA			42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,712.36	984.99
40 05 19 00-1820	EA			42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,044.30	1,029.42
40 05 19 00-1821	EA			42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	29,206.32	1,251.59
40 05 19 00-1822	EA			42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	37,560.28	1,368.24
40 05 19 00-1823	EA			48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	29,883.04	866.86
40 05 19 00-1824	EA			48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	29,910.54	885.00
40 05 19 00-1825	EA			48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	30,124.08	960.91

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1826 EA 48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	30,185.79	1,001.65
40 05 19 00-1827 EA 48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	30,473.78	1,105.33
40 05 19 00-1828 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	30,773.33	1,149.77
40 05 19 00-1829 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	31,574.41	1,371.94
<b>40 05 19 00-1830 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base</b> (40 05 19 00-0001)		
40 05 19 00-1831 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	702.69	196.26
40 05 19 00-1832 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	958.34	241.43
40 05 19 00-1833 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,406.32	269.57
40 05 19 00-1834 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	2,145.09	350.30
40 05 19 00-1835 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	2,892.84	382.15
40 05 19 00-1836 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	3,233.56	411.02
40 05 19 00-1837 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	4,012.74	518.41
40 05 19 00-1838 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	4,879.34	592.47
40 05 19 00-1839 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	6,521.01	748.00
40 05 19 00-1840 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	9,419.93	825.75
40 05 19 00-1841 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	15,819.33	1,140.50
40 05 19 00-1842 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	22,586.85	1,307.13
<b>40 05 19 00-1843 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes</b> (40 05 19 00-0001)		
40 05 19 00-1844 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	567.58	196.26
40 05 19 00-1845 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	797.89	241.43
40 05 19 00-1846 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,162.83	269.57
40 05 19 00-1847 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,528.64	350.30
40 05 19 00-1848 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	2,193.34	382.15
40 05 19 00-1849 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	2,856.37	411.02
<b>40 05 19 00-1850 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses</b> (40 05 19 00-0001)		
40 05 19 00-1851 EA 4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	779.73	270.31
40 05 19 00-1852 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,036.32	292.90
40 05 19 00-1853 EA 6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,095.82	326.60
40 05 19 00-1854 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,285.70	297.72
40 05 19 00-1855 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,400.05	336.97
40 05 19 00-1856 EA 8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,448.06	362.15
40 05 19 00-1857 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,670.65	321.42
40 05 19 00-1858 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,838.50	360.66
40 05 19 00-1859 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,011.75	385.84
40 05 19 00-1860 EA 10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,497.70	476.20
40 05 19 00-1861 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,173.33	333.63
40 05 19 00-1862 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,286.28	372.88
40 05 19 00-1863 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,460.95	398.06
40 05 19 00-1864 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,973.63	488.42
40 05 19 00-1865 EA 12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,793.62	515.45
40 05 19 00-1866 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,733.23	383.63
40 05 19 00-1867 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,906.49	408.81
40 05 19 00-1868 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,231.98	499.16
40 05 19 00-1869 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,516.42	526.19
40 05 19 00-1870 EA 14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,688.84	551.74
40 05 19 00-1871 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,266.48	415.10
40 05 19 00-1872 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,465.08	440.28
40 05 19 00-1873 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,790.57	530.63
40 05 19 00-1874 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,101.76	557.66
40 05 19 00-1875 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,743.54	583.22
40 05 19 00-1876 EA 16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,645.12	703.56
40 05 19 00-1877 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,398.60	448.42
40 05 19 00-1878 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,595.79	473.61
40 05 19 00-1879 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,867.81	563.96
40 05 19 00-1880 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,177.59	590.99
40 05 19 00-1881 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,807.42	616.54
40 05 19 00-1882 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,233.25	736.89
40 05 19 00-1883 EA 18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,468.05	785.02
40 05 19 00-1884 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,438.44	500.26
40 05 19 00-1885 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,649.70	525.44
40 05 19 00-1886 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,902.01	615.80
40 05 19 00-1887 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,232.90	642.83
40 05 19 00-1888 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,329.32	668.38
40 05 19 00-1889 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,496.87	788.73
40 05 19 00-1890 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,742.92	836.86
40 05 19 00-1891 EA 20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,385.31	992.39
40 05 19 00-1892 EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,879.49	533.59
40 05 19 00-1893 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,031.64	558.77
40 05 19 00-1894 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,371.21	649.13
40 05 19 00-1895 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,586.69	676.16
40 05 19 00-1896 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,712.66	701.71
40 05 19 00-1897 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,097.68	822.06
40 05 19 00-1898 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,228.28	870.19



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1899	EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		9,751.62	968.51
40 05 19 00-1900	EA 24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		10,734.55	1,081.26
40 05 19 00-1901	EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		10,880.31	768.73
40 05 19 00-1902	EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		10,949.98	794.29
40 05 19 00-1903	EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		11,349.07	914.63
40 05 19 00-1904	EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		11,483.94	962.76
40 05 19 00-1905	EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		12,061.58	1,118.29
40 05 19 00-1906	EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		15,715.00	1,173.83
40 05 19 00-1907	EA 30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		17,828.56	1,525.62
40 05 19 00-1908	EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		15,384.43	977.95
40 05 19 00-1909	EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		15,417.53	999.80
40 05 19 00-1910	EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		15,754.81	1,097.93
40 05 19 00-1911	EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		15,882.65	1,142.35
40 05 19 00-1912	EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		16,359.10	1,271.96
40 05 19 00-1913	EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		16,931.68	1,321.95
40 05 19 00-1914	EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		22,920.24	1,608.93
40 05 19 00-1915	EA 36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		25,133.36	1,758.90
40 05 19 00-1916	EA 42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		22,785.26	879.82
40 05 19 00-1917	EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		22,823.98	905.36
40 05 19 00-1918	EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		23,204.77	1,025.72
40 05 19 00-1919	EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		23,310.07	1,073.85
40 05 19 00-1920	EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		23,844.10	1,229.38
40 05 19 00-1921	EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		24,425.07	1,284.92
40 05 19 00-1922	EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		31,444.97	1,636.70
40 05 19 00-1923	EA 42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		43,508.59	1,819.99
40 05 19 00-1924	EA 48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		32,162.05	2,044.02
40 05 19 00-1925	EA 48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		30,585.38	1,025.72
40 05 19 00-1926	EA 48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		30,967.58	1,146.06
40 05 19 00-1927	EA 48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		31,072.88	1,194.20
40 05 19 00-1928	EA 48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		31,573.13	1,349.72
40 05 19 00-1929	EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		32,154.11	1,405.26
40 05 19 00-1930	EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		33,580.84	1,757.05

**40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers (40 05 19 00-0001)**

40 05 19 00-1932	EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	416.44	139.24
40 05 19 00-1933	EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	534.89	149.60
40 05 19 00-1934	EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	588.85	166.63
40 05 19 00-1935	EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	722.80	173.30
40 05 19 00-1936	EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	727.51	190.33
40 05 19 00-1937	EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	852.59	200.70
40 05 19 00-1938	EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	927.66	185.89
40 05 19 00-1939	EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	957.69	202.92
40 05 19 00-1940	EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,050.81	213.29
40 05 19 00-1941	EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,182.43	236.99
40 05 19 00-1942	EA 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,461.55	202.92
40 05 19 00-1943	EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,157.77	213.29
40 05 19 00-1944	EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,281.85	223.66
40 05 19 00-1945	EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,409.26	247.36
40 05 19 00-1946	EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,367.81	259.94
40 05 19 00-1947	EA 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,731.37	227.74
40 05 19 00-1948	EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,395.47	244.77
40 05 19 00-1949	EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,315.47	255.13
40 05 19 00-1950	EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,466.80	278.84
40 05 19 00-1951	EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,824.49	291.06
40 05 19 00-1952	EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,964.63	301.79
40 05 19 00-1953	EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,191.91	278.09
40 05 19 00-1954	EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,729.09	288.46
40 05 19 00-1955	EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,900.10	312.16
40 05 19 00-1956	EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,886.25	324.38
40 05 19 00-1957	EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,175.57	335.12
40 05 19 00-1958	EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,168.37	366.59
40 05 19 00-1959	EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,238.09	329.93
40 05 19 00-1960	EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,167.94	340.30
40 05 19 00-1961	EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,348.81	363.99
40 05 19 00-1962	EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,287.11	376.22
40 05 19 00-1963	EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,645.38	386.96
40 05 19 00-1964	EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,476.33	418.44
40 05 19 00-1965	EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,061.66	451.76
40 05 19 00-1966	EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,941.86	373.62
40 05 19 00-1967	EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,325.41	397.33
40 05 19 00-1968	EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,578.97	409.55
40 05 19 00-1969	EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,674.06	420.29
40 05 19 00-1970	EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,241.81	451.76
40 05 19 00-1971	EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,921.42	485.09
40 05 19 00-1972	EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	4,145.52	479.73
40 05 19 00-1973	EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	5,666.34	544.34
40 05 19 00-1974	EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	5,904.02	577.66
40 05 19 00-1975	EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	6,355.53	629.50
40 05 19 00-1976	EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	7,026.72	662.83

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-1977	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	7,760.35	594.32
40 05 19 00-1978	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	8,151.44	627.65
40 05 19 00-1979	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	8,664.89	679.49
40 05 19 00-1980	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	9,430.37	712.81
40 05 19 00-1981	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	10,873.92	805.39
40 05 19 00-1982	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	13,223.10	773.91
40 05 19 00-1983	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	14,950.95	866.49
40 05 19 00-1984	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	16,914.08	916.48
40 05 19 00-1985	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	16,814.26	894.26
40 05 19 00-1986	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	18,874.27	986.84
40 05 19 00-1987	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	21,101.98	1,036.82
40 05 19 00-1988	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	23,644.92	1,097.93

40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-0001)

40 05 19 00-1990	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	454.44	139.24
40 05 19 00-1991	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	578.52	149.60
40 05 19 00-1992	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	657.81	166.63
40 05 19 00-1993	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	722.80	173.30
40 05 19 00-1994	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	773.96	190.33
40 05 19 00-1995	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	896.62	200.70
40 05 19 00-1996	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	927.66	185.89
40 05 19 00-1997	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,008.36	202.92
40 05 19 00-1998	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,104.29	213.29
40 05 19 00-1999	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,275.32	236.99
40 05 19 00-2000	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,157.77	213.29
40 05 19 00-2001	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,255.11	223.66
40 05 19 00-2002	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,399.41	247.36
40 05 19 00-2003	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,605.67	259.94
40 05 19 00-2004	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,395.47	244.77
40 05 19 00-2005	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,516.73	255.13
40 05 19 00-2006	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,687.77	278.84
40 05 19 00-2007	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,868.12	291.06
40 05 19 00-2008	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,964.63	301.79
40 05 19 00-2009	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,729.09	288.46
40 05 19 00-2010	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,900.10	312.16
40 05 19 00-2011	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,080.48	324.38
40 05 19 00-2012	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,175.57	335.12
40 05 19 00-2013	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,385.11	366.59
40 05 19 00-2014	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,539.28	329.93
40 05 19 00-2015	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,312.91	340.30
40 05 19 00-2016	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,348.81	363.99
40 05 19 00-2017	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,570.00	376.22
40 05 19 00-2018	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,645.38	386.96
40 05 19 00-2019	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,892.93	418.44
40 05 19 00-2020	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,060.25	451.76
40 05 19 00-2021	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,231.79	373.62
40 05 19 00-2022	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,325.41	397.33
40 05 19 00-2023	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,401.63	409.55
40 05 19 00-2024	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,475.61	420.29
40 05 19 00-2025	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,727.38	451.76
40 05 19 00-2026	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,921.42	485.09
40 05 19 00-2027	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,145.52	479.73
40 05 19 00-2028	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	6,799.50	512.86
40 05 19 00-2029	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	6,629.03	544.34
40 05 19 00-2030	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	5,934.99	577.66
40 05 19 00-2031	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	6,355.53	629.50
40 05 19 00-2032	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,026.72	662.83
40 05 19 00-2033	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,822.28	594.32
40 05 19 00-2034	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	8,151.44	627.65
40 05 19 00-2035	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	8,633.93	679.49
40 05 19 00-2036	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	9,396.59	712.81
40 05 19 00-2037	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	10,842.96	805.39
40 05 19 00-2038	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	13,223.10	773.91
40 05 19 00-2039	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	11,150.87	866.49
40 05 19 00-2040	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	16,914.08	916.48
40 05 19 00-2041	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	18,874.27	986.84
40 05 19 00-2042	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	21,101.98	1,036.82
40 05 19 00-2043	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	23,644.92	1,097.93

40 05 19 00-2044 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges (40 05 19 00-0001)

40 05 19 00-2045	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	161.61	48.14
40 05 19 00-2046	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	242.83	71.10
40 05 19 00-2047	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	354.52	84.43
40 05 19 00-2048	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	489.84	98.49
40 05 19 00-2049	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	633.88	115.53
40 05 19 00-2050	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	840.98	129.61
40 05 19 00-2051	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	1,005.55	148.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2052 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	1,361.33	207.36
40 05 19 00-2053 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	1,810.02	259.20
40 05 19 00-2054 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	2,585.25	314.75
40 05 19 00-2055 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	3,654.62	366.59
40 05 19 00-2056 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	6,559.39	403.62
40 05 19 00-2057 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	9,264.27	444.35
40 05 19 00-2058 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	12,254.80	499.90
<b>40 05 19 00-2059 Ductile Iron Bolt Packs</b> <small>(40 05 19)</small>		
Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-2060 EA 4" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	29.75	
Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	8.33	
<i>For Hot Dip Galvanized, Add</i>		
	11.90	
40 05 19 00-2061 EA 6" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	45.91	
Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	12.85	
<i>For Hot Dip Galvanized, Add</i>		
	18.36	
40 05 19 00-2062 EA 8" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	49.85	
Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	13.96	
<i>For Hot Dip Galvanized, Add</i>		
	19.94	
40 05 19 00-2063 EA 10" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	111.98	
Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	31.35	
<i>For Hot Dip Galvanized, Add</i>		
	44.79	
40 05 19 00-2064 EA 12" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	112.96	
Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	31.63	
<i>For Hot Dip Galvanized, Add</i>		
	45.18	
40 05 19 00-2065 EA 14" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	126.56	
Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	35.44	
<i>For Hot Dip Galvanized, Add</i>		
	50.62	
40 05 19 00-2066 EA 16" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	212.76	
Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	59.57	
<i>For Hot Dip Galvanized, Add</i>		
	85.10	
40 05 19 00-2067 EA 18" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	309.08	
Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	86.54	
<i>For Hot Dip Galvanized, Add</i>		
	123.63	
40 05 19 00-2068 EA 20" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	390.26	
Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	109.27	
<i>For Hot Dip Galvanized, Add</i>		
	156.10	
40 05 19 00-2069 EA 24" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	558.39	
Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	156.35	
<i>For Hot Dip Galvanized, Add</i>		
	223.36	
40 05 19 00-2070 EA 30" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	882.34	
Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	247.06	
<i>For Hot Dip Galvanized, Add</i>		
	352.94	
40 05 19 00-2071 EA 36" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,258.67	
Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	352.43	
<i>For Hot Dip Galvanized, Add</i>		
	503.47	
40 05 19 00-2072 EA 42" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,619.25	
Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	453.39	
<i>For Hot Dip Galvanized, Add</i>		
	647.70	
40 05 19 00-2073 EA 48" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,979.08	
Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.		
<i>For Zinc Plated, Add</i>		
	554.14	
<i>For Hot Dip Galvanized, Add</i>		
	791.63	
<b>40 05 19 00-2074 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15</b> <small>(40 05 19)</small>		
Note: Labor installation is included with pipe fittings or valves.		
<b>40 05 19 00-2075 Full Face Flange Styrene Butadiene (SBR) Gaskets</b> <small>(40 05 19 00-2074)</small>		
40 05 19 00-2076 EA 4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	8.04	
40 05 19 00-2077 EA 6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	10.24	
40 05 19 00-2078 EA 8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	13.89	
40 05 19 00-2079 EA 10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	16.09	
40 05 19 00-2080 EA 12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	17.55	
40 05 19 00-2081 EA 14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	29.25	
40 05 19 00-2082 EA 16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	35.83	
40 05 19 00-2083 EA 18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	38.02	
40 05 19 00-2084 EA 20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	58.50	
40 05 19 00-2085 EA 24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	62.89	
40 05 19 00-2086 EA 30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	81.17	
40 05 19 00-2087 EA 36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	92.87	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-2088	EA	42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	99.45	
40 05 19 00-2089	EA	48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	108.96	
<b>40 05 19 00-2090</b>		<b>Full Face Flange Nitrile Buna-N (NBR) Gaskets</b> (40 05 19 00-2074)		
		Note: (Acrylonitrile Butadiene)		
40 05 19 00-2091	EA	4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	24.86	
40 05 19 00-2092	EA	6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	35.10	
40 05 19 00-2093	EA	8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	54.11	
40 05 19 00-2094	EA	10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	59.23	
40 05 19 00-2095	EA	12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	63.62	
40 05 19 00-2096	EA	14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	119.92	
40 05 19 00-2097	EA	16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	147.71	
40 05 19 00-2098	EA	18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	148.44	
40 05 19 00-2099	EA	20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	154.29	
40 05 19 00-2100	EA	24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	163.07	
40 05 19 00-2101	EA	30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	180.62	
40 05 19 00-2102	EA	36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	198.90	
40 05 19 00-2103	EA	42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	282.99	
40 05 19 00-2104	EA	48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	309.32	
<b>40 05 19 00-2105</b>		<b>Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets</b> (40 05 19 00-2074)		
		Note: (Polybutadiene)		
40 05 19 00-2106	EA	4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	21.94	
40 05 19 00-2107	EA	6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	28.52	
40 05 19 00-2108	EA	8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	38.76	
40 05 19 00-2109	EA	10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	45.34	
40 05 19 00-2110	EA	12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	50.46	
40 05 19 00-2111	EA	14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	83.36	
40 05 19 00-2112	EA	16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	100.18	
40 05 19 00-2113	EA	18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	100.91	
40 05 19 00-2114	EA	20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	103.11	
40 05 19 00-2115	EA	24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	119.92	
40 05 19 00-2116	EA	30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	146.98	
40 05 19 00-2117	EA	36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	167.46	
40 05 19 00-2118	EA	42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	239.85	
40 05 19 00-2119	EA	48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	264.71	
<b>40 05 19 00-2120</b>		<b>Full Face Flange Neoprene Gaskets</b> (40 05 19 00-2074)		
		Note: (Polychloroprene)		
40 05 19 00-2121	EA	4" Full Face Flange Neoprene Gasket, 1/8" Thick.....	25.59	
40 05 19 00-2122	EA	6" Full Face Flange Neoprene Gasket, 1/8" Thick.....	35.83	
40 05 19 00-2123	EA	8" Full Face Flange Neoprene Gasket, 1/8" Thick.....	54.84	
40 05 19 00-2124	EA	10" Full Face Flange Neoprene Gasket, 1/8" Thick.....	59.23	
40 05 19 00-2125	EA	12" Full Face Flange Neoprene Gasket, 1/8" Thick.....	63.62	
40 05 19 00-2126	EA	14" Full Face Flange Neoprene Gasket, 1/8" Thick.....	84.82	
40 05 19 00-2127	EA	16" Full Face Flange Neoprene Gasket, 1/8" Thick.....	149.18	
40 05 19 00-2128	EA	18" Full Face Flange Neoprene Gasket, 1/8" Thick.....	149.91	
40 05 19 00-2129	EA	20" Full Face Flange Neoprene Gasket, 1/8" Thick.....	158.68	
40 05 19 00-2130	EA	24" Full Face Flange Neoprene Gasket, 1/8" Thick.....	160.88	
40 05 19 00-2131	EA	30" Full Face Flange Neoprene Gasket, 1/8" Thick.....	174.77	
40 05 19 00-2132	EA	36" Full Face Flange Neoprene Gasket, 1/8" Thick.....	196.71	
40 05 19 00-2133	EA	42" Full Face Flange Neoprene Gasket, 1/8" Thick.....	285.19	
40 05 19 00-2134	EA	48" Full Face Flange Neoprene Gasket, 1/8" Thick.....	312.24	
<b>40 05 19 00-2135</b>		<b>Full Face Flange FKM Gaskets</b> (40 05 19 00-2074)		
		Note: (Fluoroelastomer Fluorel Viton®)		
40 05 19 00-2136	EA	4" Full Face Flange FKM Gasket, 1/8" Thick.....	105.77	
40 05 19 00-2137	EA	6" Full Face Flange FKM Gasket, 1/8" Thick.....	157.48	
40 05 19 00-2138	EA	8" Full Face Flange FKM Gasket, 1/8" Thick.....	210.36	
40 05 19 00-2139	EA	10" Full Face Flange FKM Gasket, 1/8" Thick.....	253.84	
40 05 19 00-2140	EA	12" Full Face Flange FKM Gasket, 1/8" Thick.....	330.23	
40 05 19 00-2141	EA	14" Full Face Flange FKM Gasket, 1/8" Thick.....	604.05	
40 05 19 00-2142	EA	16" Full Face Flange FKM Gasket, 1/8" Thick.....	692.19	
40 05 19 00-2143	EA	18" Full Face Flange FKM Gasket, 1/8" Thick.....	725.10	
40 05 19 00-2144	EA	20" Full Face Flange FKM Gasket, 1/8" Thick.....	773.28	
40 05 19 00-2145	EA	24" Full Face Flange FKM Gasket, 1/8" Thick.....	1,069.43	
40 05 19 00-2146	EA	30" Full Face Flange FKM Gasket, 1/8" Thick.....	1,282.14	
40 05 19 00-2147	EA	36" Full Face Flange FKM Gasket, 1/8" Thick.....	1,352.66	
40 05 19 00-2148	EA	42" Full Face Flange FKM Gasket, 1/8" Thick.....	1,686.41	
40 05 19 00-2149	EA	48" Full Face Flange FKM Gasket, 1/8" Thick.....	1,767.50	
<b>40 05 19 00-2150</b>		<b>Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)</b> (40 05 19)		
40 05 19 00-2151	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	361.02	67.45
40 05 19 00-2152	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	501.17	82.34
40 05 19 00-2153	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	742.60	100.42
40 05 19 00-2154	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	1,020.42	122.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2155 EA 12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	1,295.68	149.38
40 05 19 00-2156 EA 14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	2,083.59	182.26
40 05 19 00-2157 EA 16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	3,278.91	222.43
40 05 19 00-2158 EA 18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	3,384.17	271.29
40 05 19 00-2159 EA 20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	4,146.21	331.04
40 05 19 00-2160 EA 24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	4,618.54	403.79
40 05 19 00-2161 EA 30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	5,953.25	492.72
40 05 19 00-2162 EA 36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	8,854.74	601.04
40 05 19 00-2163 EA 42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	23,111.93	733.34
40 05 19 00-2164 EA 48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	29,522.73	894.61

**40 05 23 Stainless Steel Process Pipe and Tubing** (40 05)

**40 05 23 23 300- and 400-Series Stainless Steel Process Pipe** (40 05 23)

**40 05 23 23-0001 Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly** (40 05 23)

<i>Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.</i>		
40 05 23 23-0002 LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	33.36
	<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	8.69
	<i>For Type 316, Add</i>	4.13
	<i>For Work In Restricted Working Space, Add</i>	5.24
40 05 23 23-0003 LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	37.43
	<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	9.96
	<i>For Type 316, Add</i>	4.33
	<i>For Work In Restricted Working Space, Add</i>	6.23
40 05 23 23-0004 LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	43.62
	<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	11.23
	<i>For Type 316, Add</i>	5.08
	<i>For Work In Restricted Working Space, Add</i>	7.22
40 05 23 23-0005 LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	50.59
	<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	13.57
	<i>For Type 316, Add</i>	6.41
	<i>For Work In Restricted Working Space, Add</i>	7.78
40 05 23 23-0006 LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	56.04
	<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	13.96
	<i>For Type 316, Add</i>	7.35
	<i>For Work In Restricted Working Space, Add</i>	8.34
40 05 23 23-0007 LF	2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	67.94
	<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	18.46
	<i>For Type 316, Add</i>	8.96
	<i>For Work In Restricted Working Space, Add</i>	10.05
40 05 23 23-0008 LF	2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	100.72
	<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	22.75
	<i>For Type 316, Add</i>	15.40
	<i>For Work In Restricted Working Space, Add</i>	12.44
40 05 23 23-0009 LF	3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	127.90
	<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	26.36
	<i>For Type 316, Add</i>	20.06
	<i>For Work In Restricted Working Space, Add</i>	15.23
40 05 23 23-0010 LF	4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	175.49
	<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	26.36
	<i>For Work In Restricted Working Space, Add</i>	19.32

**40 05 23 23-0011 Stainless Steel Tubing And Fittings** (40 05 23 23)

**40 05 23 23-0012 Type 304 Tubing** (40 05 23 23-0011)

**40 05 23 23-0013 0.035" Wall** (40 05 23 23-0012)

40 05 23 23-0014 LF	1/4", 0.035" Wall, Type 304, Stainless Steel Tubing .....	7.81
	<i>For Work In Restricted Working Space, Add</i>	1.70
40 05 23 23-0015 LF	3/8", 0.035" Wall, Type 304, Stainless Steel Tubing .....	9.05
	<i>For Work In Restricted Working Space, Add</i>	2.05
40 05 23 23-0016 LF	1/2", 0.035" Wall, Type 304, Stainless Steel Tubing .....	10.81
	<i>For Work In Restricted Working Space, Add</i>	2.39
40 05 23 23-0017 LF	5/8", 0.035" Wall, Type 304, Stainless Steel Tubing .....	17.78
	<i>For Work In Restricted Working Space, Add</i>	2.73
40 05 23 23-0018 LF	3/4", 0.035" Wall, Type 304, Stainless Steel Tubing .....	21.11
	<i>For Work In Restricted Working Space, Add</i>	3.08
40 05 23 23-0019 LF	7/8", 0.035" Wall, Type 304, Stainless Steel Tubing .....	23.36
	<i>For Work In Restricted Working Space, Add</i>	3.42
40 05 23 23-0020 LF	1", 0.035" Wall, Type 304, Stainless Steel Tubing .....	26.06
	<i>For Work In Restricted Working Space, Add</i>	4.11

**40 05 23 23-0021 0.049" Wall** (40 05 23 23-0012)

40 05 23 23-0022 LF	1/4", 0.049" Wall, Type 304, Stainless Steel Tubing .....	13.12
	<i>For Work In Restricted Working Space, Add</i>	2.05
40 05 23 23-0023 LF	3/8", 0.049" Wall, Type 304, Stainless Steel Tubing .....	14.61
	<i>For Work In Restricted Working Space, Add</i>	2.39
40 05 23 23-0024 LF	1/2", 0.049" Wall, Type 304, Stainless Steel Tubing .....	17.59
	<i>For Work In Restricted Working Space, Add</i>	2.73

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0025	LF	5/8"	0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	22.27 3.42	5.73
40 05 23 23-0026	LF	3/4"	0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	25.45 4.11	6.89
40 05 23 23-0027	LF	7/8"	0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	28.56 4.79	7.95
40 05 23 23-0028	LF	1"	0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	32.97 5.44	9.01
<b>40 05 23 23-0029</b>			<b>0.065" Wall</b> <small>(40 05 23 23-0012)</small>		
40 05 23 23-0030	LF	1/4"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	15.32 2.39	4.03
40 05 23 23-0031	LF	3/8"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	17.63 2.73	4.56
40 05 23 23-0032	LF	1/2"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	21.74 3.42	5.73
40 05 23 23-0033	LF	5/8"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	25.54 4.11	6.89
40 05 23 23-0034	LF	3/4"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	30.12 4.79	7.95
40 05 23 23-0035	LF	7/8"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	34.63 5.44	9.01
40 05 23 23-0036	LF	1"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	39.03 6.12	10.18
<b>40 05 23 23-0037</b>			<b>Type 304 Tube Fittings</b> <small>(40 05 23 23-0011)</small>		
<b>40 05 23 23-0038</b>			<b>90 Degree Elbows</b> <small>(40 05 23 23-0037)</small>		
40 05 23 23-0039	EA	1/4"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	49.62 6.84	11.45
40 05 23 23-0040	EA	3/8"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	58.76 7.49	12.52
40 05 23 23-0041	EA	1/2"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	88.89 8.48	14.11
40 05 23 23-0042	EA	5/8"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	94.89 9.50	15.80
40 05 23 23-0043	EA	3/4"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	106.19 10.27	17.08
40 05 23 23-0044	EA	7/8"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	145.40 11.36	18.99
40 05 23 23-0045	EA	1"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	185.30 13.54	22.59
<b>40 05 23 23-0046</b>			<b>Union Tees</b> <small>(40 05 23 23-0037)</small>		
40 05 23 23-0047	EA	1/4"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	78.80 10.27	17.08
40 05 23 23-0048	EA	3/8"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	95.72 11.36	18.99
40 05 23 23-0049	EA	1/2"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	131.16 12.73	21.22
40 05 23 23-0050	EA	5/8"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	141.02 14.46	24.08
40 05 23 23-0051	EA	3/4"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	180.53 15.52	25.88
40 05 23 23-0052	EA	7/8"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	287.82 17.20	28.64
40 05 23 23-0053	EA	1"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	344.96 20.53	34.26
<b>40 05 23 23-0054</b>			<b>Unions</b> <small>(40 05 23 23-0037)</small>		
40 05 23 23-0055	EA	1/4"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	75.25 10.27	17.08
40 05 23 23-0056	EA	3/8"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	97.72 11.36	18.99
40 05 23 23-0057	EA	1/2"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	132.47 12.73	21.22
40 05 23 23-0058	EA	5/8"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	161.62 14.46	24.08
40 05 23 23-0059	EA	3/4"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	193.07 15.52	25.88
40 05 23 23-0060	EA	7/8"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	297.82 17.20	28.64
40 05 23 23-0061	EA	1"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	316.61 20.53	34.26
<b>40 05 23 23-0062</b>			<b>Male Connectors</b> <small>(40 05 23 23-0037)</small>		
40 05 23 23-0063	EA	1/4" x 1/4"	Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	36.92 6.84	11.45





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0064 EA 3/8" x 3/8", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	46.27 7.49	12.52
40 05 23 23-0065 EA 1/2" x 1/2", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	60.17 8.48	14.11
40 05 23 23-0066 EA 5/8" x 5/8" Male Connection, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	67.82 9.50	15.80
40 05 23 23-0067 EA 3/4" x 3/4", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	82.13 10.27	17.08
40 05 23 23-0068 EA 7/8" x 7/8", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	124.30 11.36	18.99
40 05 23 23-0069 EA 1" x 1", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	129.94 13.54	22.59
<b>40 05 23 23-0070 Type 304 Valves (40 05 23 23-0011)</b>		
<b>40 05 23 23-0071 Gate Valves (40 05 23 23-0070)</b>		
40 05 23 23-0072 EA 1/4" Gate Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	171.90 9.26	17.08
40 05 23 23-0073 EA 3/8" Gate Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	286.80 9.75	20.05
40 05 23 23-0074 EA 1/2" Gate Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	299.43 13.54	22.59
40 05 23 23-0075 EA 3/4" Gate Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	332.18 15.52	25.88
40 05 23 23-0076 EA 1" Gate Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	308.00 20.53	34.26
<b>40 05 23 23-0077 Globe Valves (40 05 23 23-0070)</b>		
40 05 23 23-0078 EA 1/4" Globe Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	174.21 9.26	17.08
40 05 23 23-0079 EA 3/8" Globe Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	116.87 9.75	20.05
40 05 23 23-0080 EA 1/2" Globe Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	208.03 13.54	22.59
40 05 23 23-0081 EA 3/4" Globe Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	231.80 15.52	25.88
40 05 23 23-0082 EA 1" Globe Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	337.09 20.53	34.26
<b>40 05 23 23-0083 Check Valves (40 05 23 23-0070)</b>		
40 05 23 23-0084 EA 1/4" Check Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	242.11 9.26	17.08
40 05 23 23-0085 EA 3/8" Check Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	243.74 9.75	20.05
40 05 23 23-0086 EA 1/2" Check Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	163.21 13.54	22.59
40 05 23 23-0087 EA 3/4" Check Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	171.53 15.52	25.88
40 05 23 23-0088 EA 1" Check Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	191.64 20.53	34.26
<b>40 05 23 23-0089 Plug Valves (40 05 23 23-0070)</b>		
40 05 23 23-0090 EA 1/2" Plug Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	374.11 13.54	22.59
40 05 23 23-0091 EA 3/4" Plug Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	409.95 15.52	25.88
40 05 23 23-0092 EA 1" Plug Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	465.63 20.53	34.26
40 05 23 23-0093 EA 1-1/2" Plug Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	644.11 23.23	38.72
40 05 23 23-0094 EA 2" Plug Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	839.53 31.82	53.04
<b>40 05 23 23-0095 Type 316 Tubing (40 05 23 23-0011)</b>		
<b>40 05 23 23-0096 0.035" Wall (40 05 23 23-0095)</b>		
40 05 23 23-0097 LF 1/4" Stainless Steel Tubing, Type 316, 0.035" Wall ..... <i>For Work In Restricted Working Space, Add</i>	8.14 1.70	2.86
40 05 23 23-0098 LF 3/8" Stainless Steel Tubing, Type 316, 0.035" Wall ..... <i>For Work In Restricted Working Space, Add</i>	10.63 2.05	3.40
40 05 23 23-0099 LF 1/2" Stainless Steel Tubing, Type 316, 0.035" Wall ..... <i>For Work In Restricted Working Space, Add</i>	11.78 2.39	4.03
40 05 23 23-0100 LF 5/8" Stainless Steel Tubing, Type 316, 0.035" Wall ..... <i>For Work In Restricted Working Space, Add</i>	20.34 2.73	4.56
40 05 23 23-0101 LF 3/4" Stainless Steel Tubing, Type 316, 0.035" Wall ..... <i>For Work In Restricted Working Space, Add</i>	23.09 3.08	5.09
40 05 23 23-0102 LF 7/8" Stainless Steel Tubing, Type 316, 0.035" Wall ..... <i>For Work In Restricted Working Space, Add</i>	29.47 3.42	5.73

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0103 LF 1" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	30.80 4.11	6.89
<b>40 05 23 23-0104 0.049" Wall</b> <small>(40 05 23 23-0095)</small>		
40 05 23 23-0105 LF 1/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	14.50 2.05	3.40
40 05 23 23-0106 LF 3/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	16.05 2.39	4.03
40 05 23 23-0107 LF 1/2" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	18.93 2.73	4.56
40 05 23 23-0108 LF 5/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	24.76 3.42	5.73
40 05 23 23-0109 LF 3/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	28.54 4.11	6.89
40 05 23 23-0110 LF 7/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	36.52 4.79	7.95
40 05 23 23-0111 LF 1" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	37.14 5.44	9.01
<b>40 05 23 23-0112 0.065" Wall</b> <small>(40 05 23 23-0095)</small>		
40 05 23 23-0113 LF 1/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	16.95 2.39	4.03
40 05 23 23-0114 LF 3/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	18.88 2.73	4.56
40 05 23 23-0115 LF 1/2" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	23.70 3.42	5.73
40 05 23 23-0116 LF 5/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	28.24 4.11	6.89
40 05 23 23-0117 LF 3/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	34.26 4.79	7.95
40 05 23 23-0118 LF 7/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	37.70 5.44	9.01
40 05 23 23-0119 LF 1" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	43.98 6.12	10.18
<b>40 05 23 23-0120 Type 316 Tube Fittings</b> <small>(40 05 23 23-0011)</small>		
<b>40 05 23 23-0121 90 Degree Elbows</b> <small>(40 05 23 23-0120)</small>		
40 05 23 23-0122 EA 1/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	68.97 6.84	11.45
40 05 23 23-0123 EA 3/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	83.16 7.49	12.52
40 05 23 23-0124 EA 1/2" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	132.65 8.48	14.11
40 05 23 23-0125 EA 5/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	140.54 9.50	15.80
40 05 23 23-0126 EA 3/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	158.16 10.27	17.08
40 05 23 23-0127 EA 7/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	223.03 11.36	18.99
40 05 23 23-0128 EA 1" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	286.49 13.54	22.59
<b>40 05 23 23-0129 Union Tees</b> <small>(40 05 23 23-0120)</small>		
40 05 23 23-0130 EA 1/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	110.99 10.27	17.08
40 05 23 23-0131 EA 3/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	137.48 11.36	18.99
40 05 23 23-0132 EA 1/2" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	195.22 12.73	21.22
40 05 23 23-0133 EA 5/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	208.02 14.46	24.08
40 05 23 23-0134 EA 3/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	273.52 15.52	25.88
40 05 23 23-0135 EA 7/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	454.23 17.20	28.64
40 05 23 23-0136 EA 1" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	544.60 20.53	34.26
<b>40 05 23 23-0137 Unions</b> <small>(40 05 23 23-0120)</small>		
40 05 23 23-0138 EA 1/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	70.35 10.27	17.08
40 05 23 23-0139 EA 3/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	90.57 11.36	18.99
40 05 23 23-0140 EA 1/2" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	121.71 12.73	21.22
40 05 23 23-0141 EA 5/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	148.06 14.46	24.08



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0142	EA			3/4" Union, Stainless Steel Type 316.....	176.18	25.88
				<i>For Work In Restricted Working Space, Add</i>	15.52	
40 05 23 23-0143	EA			7/8" Union, Stainless Steel Type 316.....	269.07	28.64
				<i>For Work In Restricted Working Space, Add</i>	17.20	
40 05 23 23-0144	EA			1" Union, Stainless Steel Type 316.....	286.95	34.26
				<i>For Work In Restricted Working Space, Add</i>	20.53	
<b>40 05 23 23-0145</b>				<b>Male Connectors</b> (40 05 23 23-0120)		
40 05 23 23-0146	EA			1/4" x 1/4" Male Connector, Stainless Steel Type 316.....	46.89	11.45
				<i>For Work In Restricted Working Space, Add</i>	6.84	
40 05 23 23-0147	EA			3/8" x 3/8" Male Connector, Stainless Steel Type 316.....	61.34	12.52
				<i>For Work In Restricted Working Space, Add</i>	7.49	
40 05 23 23-0148	EA			1/2" x 1/2" Male Connector, Stainless Steel Type 316.....	82.72	14.11
				<i>For Work In Restricted Working Space, Add</i>	8.48	
40 05 23 23-0149	EA			5/8" x 5/8" Male Connector, Stainless Steel Type 316.....	93.38	15.80
				<i>For Work In Restricted Working Space, Add</i>	9.50	
40 05 23 23-0150	EA			3/4" x 3/4" Male Connector, Stainless Steel Type 316.....	116.01	17.08
				<i>For Work In Restricted Working Space, Add</i>	10.27	
40 05 23 23-0151	EA			7/8" x 7/8" Male Connector, Stainless Steel Type 316.....	185.40	18.99
				<i>For Work In Restricted Working Space, Add</i>	11.36	
40 05 23 23-0152	EA			1" x 1" Male Connector, Stainless Steel Type 316.....	189.90	22.59
				<i>For Work In Restricted Working Space, Add</i>	13.54	
<b>40 05 23 23-0153</b>				<b>Type 316 Valves</b> (40 05 23 23-0011)		
<b>40 05 23 23-0154</b>				<b>Gate Valves</b> (40 05 23 23-0153)		
40 05 23 23-0155	EA			1/4" Gate Valve, Stainless Steel Type 316.....	217.44	17.08
				<i>For Work In Restricted Working Space, Add</i>	9.26	
40 05 23 23-0156	EA			3/8" Gate Valve, Stainless Steel Type 316.....	368.90	20.05
				<i>For Work In Restricted Working Space, Add</i>	9.75	
40 05 23 23-0157	EA			1/2" Gate Valve, Stainless Steel Type 316.....	381.53	22.59
				<i>For Work In Restricted Working Space, Add</i>	13.54	
40 05 23 23-0158	EA			3/4" Gate Valve, Stainless Steel Type 316.....	422.72	25.88
				<i>For Work In Restricted Working Space, Add</i>	15.52	
40 05 23 23-0159	EA			1" Gate Valve, Stainless Steel Type 316.....	385.35	34.26
				<i>For Work In Restricted Working Space, Add</i>	20.53	
40 05 23 23-0160	EA			1-1/4" Gate Valve, Stainless Steel Type 316.....	526.56	35.53
				<i>For Work In Restricted Working Space, Add</i>	21.32	
40 05 23 23-0161	EA			1-1/2" Gate Valve, Stainless Steel Type 316.....	841.43	38.72
				<i>For Work In Restricted Working Space, Add</i>	23.23	
40 05 23 23-0162	EA			2" Gate Valve, Stainless Steel Type 316.....	1,002.51	53.04
				<i>For Work In Restricted Working Space, Add</i>	31.82	
40 05 23 23-0163	EA			2-1/2" Gate Valve, Stainless Steel Type 316.....	1,511.02	169.81
				<i>For Work In Restricted Working Space, Add</i>	101.86	
<b>40 05 23 23-0164</b>				<b>Globe Valves</b> (40 05 23 23-0153)		
40 05 23 23-0165	EA			1/4" Globe Valve, Stainless Steel Type 316.....	220.49	17.08
				<i>For Work In Restricted Working Space, Add</i>	9.26	
40 05 23 23-0166	EA			3/8" Globe Valve, Stainless Steel Type 316.....	144.11	20.05
				<i>For Work In Restricted Working Space, Add</i>	9.75	
40 05 23 23-0167	EA			1/2" Globe Valve, Stainless Steel Type 316.....	260.63	22.59
				<i>For Work In Restricted Working Space, Add</i>	13.54	
40 05 23 23-0168	EA			3/4" Globe Valve, Stainless Steel Type 316.....	289.93	25.88
				<i>For Work In Restricted Working Space, Add</i>	15.52	
40 05 23 23-0169	EA			1" Globe Valve, Stainless Steel Type 316.....	423.84	34.26
				<i>For Work In Restricted Working Space, Add</i>	20.53	
40 05 23 23-0170	EA			1-1/4" Globe Valve, Stainless Steel Type 316.....	527.50	35.32
				<i>For Work In Restricted Working Space, Add</i>	21.16	
40 05 23 23-0171	EA			1-1/2" Globe Valve, Stainless Steel Type 316.....	871.99	38.72
				<i>For Work In Restricted Working Space, Add</i>	23.23	
40 05 23 23-0172	EA			2" Globe Valve, Stainless Steel Type 316.....	1,033.07	53.04
				<i>For Work In Restricted Working Space, Add</i>	31.82	
40 05 23 23-0173	EA			2-1/2" Globe Valve, Stainless Steel Type 316.....	1,317.47	169.81
				<i>For Work In Restricted Working Space, Add</i>	101.86	
<b>40 05 23 23-0174</b>				<b>Check Valves</b> (40 05 23 23-0153)		
40 05 23 23-0175	EA			1/4" Check Valve, Stainless Steel Type 316.....	310.32	17.08
				<i>For Work In Restricted Working Space, Add</i>	9.26	
40 05 23 23-0176	EA			3/8" Check Valve, Stainless Steel Type 316.....	311.95	20.05
				<i>For Work In Restricted Working Space, Add</i>	9.75	
40 05 23 23-0177	EA			1/2" Check Valve, Stainless Steel Type 316.....	201.34	22.59
				<i>For Work In Restricted Working Space, Add</i>	13.54	
40 05 23 23-0178	EA			3/4" Check Valve, Stainless Steel Type 316.....	210.20	25.88
				<i>For Work In Restricted Working Space, Add</i>	15.52	
40 05 23 23-0179	EA			1" Check Valve, Stainless Steel Type 316.....	231.42	34.26
				<i>For Work In Restricted Working Space, Add</i>	20.53	
40 05 23 23-0180	EA			1-1/4" Check Valve, Stainless Steel Type 316.....	317.39	35.53
				<i>For Work In Restricted Working Space, Add</i>	21.32	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	23-0181	EA	1-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	698.82 23.23	38.72
40 05 23	23-0182	EA	2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	849.71 31.82	53.04
40 05 23	23-0183	EA	2-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,697.78 101.86	169.81
<b>40 05 23 23-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined <small>(40 05 23 23-0153)</small></b>					
40 05 23	23-0185	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	334.73 13.54	22.59
40 05 23	23-0186	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	390.92 15.52	25.88
40 05 23	23-0187	EA	1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	498.85 20.53	34.26
40 05 23	23-0188	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	791.48 23.23	38.72
40 05 23	23-0189	EA	2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	1,105.76 31.82	53.04
<b>40 05 23 23-0190 Diaphragm Valves, Teflon Lined <small>(40 05 23 23-0153)</small></b>					
40 05 23	23-0191	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	441.84 13.54	22.59
40 05 23	23-0192	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	507.95 15.52	25.88
40 05 23	23-0193	EA	1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	615.88 20.53	34.26
40 05 23	23-0194	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	956.11 23.23	38.72
40 05 23	23-0195	EA	2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	1,302.12 31.82	53.04
<b>40 05 23 23-0196 Strainers <small>(40 05 23 23-0153)</small></b>					
40 05 23	23-0197	EA	1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	442.87 13.54	22.59
40 05 23	23-0198	EA	3/4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	529.79 15.59	25.99
40 05 23	23-0199	EA	1" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	693.28 20.69	34.47
40 05 23	23-0200	EA	1-1/4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	859.33 21.32	35.53
40 05 23	23-0201	EA	1-1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,077.37 23.23	38.72
40 05 23	23-0202	EA	2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,553.13 31.82	53.04
40 05 23	23-0203	EA	2-1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,133.93 42.32	70.54
40 05 23	23-0204	EA	3" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,108.29 63.64	106.07
40 05 23	23-0205	EA	4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,985.76 101.82	169.71
<b>40 05 23 23-0206 Plug Valves <small>(40 05 23 23-0153)</small></b>					
40 05 23	23-0207	EA	1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	471.62 13.54	22.59
40 05 23	23-0208	EA	3/4" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	516.13 15.52	25.88
40 05 23	23-0209	EA	1" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	583.37 20.53	34.26
40 05 23	23-0210	EA	1-1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	812.09 23.23	38.72
40 05 23	23-0211	EA	2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,056.95 31.82	53.04
<b>40 05 23 23-0212 Cut And Prepare Existing Pipe In-Place <small>(40 05 23 23-0011)</small></b>					
Note: For use when connecting pipe to an existing in-place system.					
40 05 23	23-0213	EA	Cut And Prepare 1/2" Stainless Steel Pipe.....	21.21	
40 05 23	23-0214	EA	Cut And Prepare 3/4" Stainless Steel Pipe.....	22.90	
40 05 23	23-0215	EA	Cut And Prepare 1" Stainless Steel Pipe.....	25.76	
40 05 23	23-0216	EA	Cut And Prepare 1-1/4" Stainless Steel Pipe.....	27.03	
40 05 23	23-0217	EA	Cut And Prepare 1-1/2" Stainless Steel Pipe.....	28.62	
40 05 23	23-0218	EA	Cut And Prepare 2" Stainless Steel Pipe.....	30.74	
40 05 23	23-0219	EA	Cut And Prepare 2-1/2" Stainless Steel Pipe.....	32.87	
40 05 23	23-0220	EA	Cut And Prepare 3" Stainless Steel Pipe.....	36.05	
40 05 23	23-0221	EA	Cut And Prepare 4" Stainless Steel Pipe.....	39.23	
40 05 23	23-0222	EA	Cut And Prepare 6" Stainless Steel Pipe.....	42.41	
40 05 23	23-0223	EA	Cut And Prepare 8" Stainless Steel Pipe.....	45.59	
40 05 23	23-0224	EA	Cut And Prepare 10" Stainless Steel Pipe.....	49.83	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0225	EA			Cut And Prepare 12" Stainless Steel Pipe.....	54.07	
40 05 23 23-0226	EA			Cut And Prepare 14" Stainless Steel Pipe.....	58.32	
40 05 23 23-0227	EA			Cut And Prepare 16" Stainless Steel Pipe.....	62.55	
40 05 23 23-0228	EA			Cut And Prepare 18" Stainless Steel Pipe.....	65.73	
40 05 23 23-0229	EA			Cut And Prepare 20" Stainless Steel Pipe.....	68.91	
40 05 23 23-0230	EA			Cut And Prepare 24" Stainless Steel Pipe.....	73.16	
<b>40 05 23 23-0231</b>				<b>Stainless Steel Pipe And Fittings (40 05 23 23)</b>		
<b>40 05 23 23-0232</b>				<b>Type 304, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings (40 05 23 23-0231)</b>		
<b>40 05 23 23-0233</b>				<b>Type 304, Schedule 40 Stainless Steel Threaded Pipe (40 05 23 23-0232)</b>		
40 05 23 23-0234	LF			1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	16.93	4.56
				<i>For Work In Restricted Working Space, Add</i>	2.73	
40 05 23 23-0235	LF			3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	20.82	5.73
				<i>For Work In Restricted Working Space, Add</i>	3.42	
40 05 23 23-0236	LF			1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	25.65	6.89
				<i>For Work In Restricted Working Space, Add</i>	4.11	
40 05 23 23-0237	LF			1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	30.89	7.95
				<i>For Work In Restricted Working Space, Add</i>	4.79	
40 05 23 23-0238	LF			1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	35.80	9.01
				<i>For Work In Restricted Working Space, Add</i>	5.44	
40 05 23 23-0239	LF			2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	45.80	11.45
				<i>For Work In Restricted Working Space, Add</i>	6.84	
40 05 23 23-0240	LF			2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	62.68	13.58
				<i>For Work In Restricted Working Space, Add</i>	8.16	
40 05 23 23-0241	LF			3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	78.79	17.08
				<i>For Work In Restricted Working Space, Add</i>	10.27	
40 05 23 23-0242	LF			4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	106.84	22.59
				<i>For Work In Restricted Working Space, Add</i>	13.54	
<b>40 05 23 23-0243</b>				<b>150#, Type 304 Stainless Steel Threaded 90 Degree Elbows (40 05 23 23-0232)</b>		
40 05 23 23-0244	EA			1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow.....	37.40	17.08
				<i>For Work In Restricted Working Space, Add</i>	10.27	
40 05 23 23-0245	EA			3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow.....	49.69	22.59
				<i>For Work In Restricted Working Space, Add</i>	13.54	
40 05 23 23-0246	EA			1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow.....	63.96	28.64
				<i>For Work In Restricted Working Space, Add</i>	17.20	
40 05 23 23-0247	EA			1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow.....	89.88	39.25
				<i>For Work In Restricted Working Space, Add</i>	23.57	
40 05 23 23-0248	EA			1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow.....	107.29	46.14
				<i>For Work In Restricted Working Space, Add</i>	27.67	
40 05 23 23-0249	EA			2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow.....	130.77	55.79
				<i>For Work In Restricted Working Space, Add</i>	33.50	
40 05 23 23-0250	EA			2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow.....	220.32	88.36
				<i>For Work In Restricted Working Space, Add</i>	53.03	
40 05 23 23-0251	EA			3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow.....	283.57	114.02
				<i>For Work In Restricted Working Space, Add</i>	68.43	
40 05 23 23-0252	EA			4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow.....	391.11	141.39
				<i>For Work In Restricted Working Space, Add</i>	84.86	
<b>40 05 23 23-0253</b>				<b>150#, Type 304 Stainless Steel Threaded 45 Degree Elbows (40 05 23 23-0232)</b>		
40 05 23 23-0254	EA			1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow.....	38.13	17.08
				<i>For Work In Restricted Working Space, Add</i>	10.27	
40 05 23 23-0255	EA			3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow.....	50.87	22.59
				<i>For Work In Restricted Working Space, Add</i>	13.54	
40 05 23 23-0256	EA			1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow.....	64.32	28.64
				<i>For Work In Restricted Working Space, Add</i>	17.20	
40 05 23 23-0257	EA			1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow.....	89.74	39.25
				<i>For Work In Restricted Working Space, Add</i>	23.57	
40 05 23 23-0258	EA			1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow.....	105.54	46.14
				<i>For Work In Restricted Working Space, Add</i>	27.67	
40 05 23 23-0259	EA			2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow.....	130.36	55.79
				<i>For Work In Restricted Working Space, Add</i>	33.50	
40 05 23 23-0260	EA			2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow.....	228.25	88.36
				<i>For Work In Restricted Working Space, Add</i>	53.03	
40 05 23 23-0261	EA			3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow.....	299.04	114.02
				<i>For Work In Restricted Working Space, Add</i>	68.43	
40 05 23 23-0262	EA			4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow.....	409.13	141.39
				<i>For Work In Restricted Working Space, Add</i>	84.86	
<b>40 05 23 23-0263</b>				<b>150#, Type 304 Stainless Steel Threaded Tees (40 05 23 23-0232)</b>		
40 05 23 23-0264	EA			1/2", 150#, Type 304 Stainless Steel Threaded Tee.....	56.06	25.88
				<i>For Work In Restricted Working Space, Add</i>	15.52	
40 05 23 23-0265	EA			3/4", 150#, Type 304 Stainless Steel Threaded Tee.....	75.28	34.26
				<i>For Work In Restricted Working Space, Add</i>	20.53	
40 05 23 23-0266	EA			1", 150#, Type 304 Stainless Steel Threaded Tee.....	93.57	42.43
				<i>For Work In Restricted Working Space, Add</i>	25.46	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0267	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	135.20 35.36	58.98
40 05 23 23-0268	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	154.16 39.78	66.29
40 05 23 23-0269	EA		2", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	204.48 53.03	88.36
40 05 23 23-0270	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	314.99 76.68	127.81
40 05 23 23-0271	EA		3", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	427.76 102.65	171.09
40 05 23 23-0272	EA		4", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	578.88 127.28	212.14
<b>40 05 23 23-0273</b>			<b>150#, Type 304 Stainless Steel Threaded Reducers (40 05 23 23-0232)</b>		
40 05 23 23-0274	EA		3/4", 150#, Type 304 Stainless Steel Threaded Reducer..... <i>For Work In Restricted Working Space, Add</i>	49.14 13.54	22.59
40 05 23 23-0275	EA		1", 150#, Type 304 Stainless Steel Threaded Reducer..... <i>For Work In Restricted Working Space, Add</i>	62.79 17.20	28.64
40 05 23 23-0276	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer..... <i>For Work In Restricted Working Space, Add</i>	86.56 23.57	39.25
40 05 23 23-0277	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer..... <i>For Work In Restricted Working Space, Add</i>	103.73 27.67	46.14
40 05 23 23-0278	EA		2", 150#, Type 304 Stainless Steel Threaded Reducer..... <i>For Work In Restricted Working Space, Add</i>	130.85 33.50	55.79
40 05 23 23-0279	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer..... <i>For Work In Restricted Working Space, Add</i>	217.98 53.03	88.36
40 05 23 23-0280	EA		3", 150#, Type 304 Stainless Steel Threaded Reducer..... <i>For Work In Restricted Working Space, Add</i>	286.77 68.43	114.02
40 05 23 23-0281	EA		4", 150#, Type 304 Stainless Steel Threaded Reducer..... <i>For Work In Restricted Working Space, Add</i>	380.04 84.86	141.39
<b>40 05 23 23-0282</b>			<b>150#, Type 304 Stainless Steel Threaded Caps (40 05 23 23-0232)</b>		
40 05 23 23-0283	EA		1/2", 150#, Type 304 Stainless Steel Threaded Cap..... <i>For Work In Restricted Working Space, Add</i>	19.23 5.13	8.59
40 05 23 23-0284	EA		3/4", 150#, Type 304 Stainless Steel Threaded Cap..... <i>For Work In Restricted Working Space, Add</i>	25.46 6.84	11.45
40 05 23 23-0285	EA		1", 150#, Type 304 Stainless Steel Threaded Cap..... <i>For Work In Restricted Working Space, Add</i>	32.26 8.48	14.11
40 05 23 23-0286	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Cap..... <i>For Work In Restricted Working Space, Add</i>	47.23 12.01	20.05
40 05 23 23-0287	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Cap..... <i>For Work In Restricted Working Space, Add</i>	54.58 13.54	22.59
40 05 23 23-0288	EA		2", 150#, Type 304 Stainless Steel Threaded Cap..... <i>For Work In Restricted Working Space, Add</i>	69.36 17.20	28.64
40 05 23 23-0289	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Cap..... <i>For Work In Restricted Working Space, Add</i>	106.56 25.46	42.43
40 05 23 23-0290	EA		3", 150#, Type 304 Stainless Steel Threaded Cap..... <i>For Work In Restricted Working Space, Add</i>	141.66 33.50	55.79
40 05 23 23-0291	EA		4", 150#, Type 304 Stainless Steel Threaded Cap..... <i>For Work In Restricted Working Space, Add</i>	192.21 42.43	70.75
<b>40 05 23 23-0292</b>			<b>150#, Type 304 Stainless Steel Threaded Unions (40 05 23 23-0232)</b>		
40 05 23 23-0293	EA		1/2", 150#, Type 304 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	60.67 15.52	25.88
40 05 23 23-0294	EA		3/4", 150#, Type 304 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	79.74 20.53	34.26
40 05 23 23-0295	EA		1", 150#, Type 304 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	101.93 25.46	42.43
40 05 23 23-0296	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	147.49 35.36	58.98
40 05 23 23-0297	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	166.08 39.78	66.29
40 05 23 23-0298	EA		2", 150#, Type 304 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	216.90 53.03	88.36
40 05 23 23-0299	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	373.83 79.55	132.59
40 05 23 23-0300	EA		3", 150#, Type 304 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	479.01 102.65	171.09
40 05 23 23-0301	EA		4", 150#, Type 304 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	504.99 84.87	141.45
<b>40 05 23 23-0302</b>			<b>150#, Type 304 Stainless Steel Threaded Couplings (40 05 23 23-0232)</b>		
40 05 23 23-0303	EA		1/2", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	37.09 10.27	17.08
40 05 23 23-0304	EA		3/4", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	49.28 13.54	22.59
40 05 23 23-0305	EA		1", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	63.63 17.20	28.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0306 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling .....	88.58	39.25
<i>For Work In Restricted Working Space, Add</i>	23.57	
40 05 23 23-0307 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling .....	104.11	46.14
<i>For Work In Restricted Working Space, Add</i>	27.67	
40 05 23 23-0308 EA 2", 150#, Type 304 Stainless Steel Threaded Coupling.....	128.41	55.79
<i>For Work In Restricted Working Space, Add</i>	33.50	
40 05 23 23-0309 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling .....	213.55	88.36
<i>For Work In Restricted Working Space, Add</i>	53.03	
40 05 23 23-0310 EA 3", 150#, Type 304 Stainless Steel Threaded Coupling.....	275.64	114.02
<i>For Work In Restricted Working Space, Add</i>	68.43	
40 05 23 23-0311 EA 4", 150#, Type 304 Stainless Steel Threaded Coupling.....	356.74	141.39
<i>For Work In Restricted Working Space, Add</i>	84.86	
<b>40 05 23 23-0312 Type 316, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings</b>		
<small>(40 05 23 23-0231)</small>		
<b>40 05 23 23-0313 Type 316, Schedule 40 Stainless Steel Threaded Pipe</b>		
<small>(40 05 23 23-0312)</small>		
40 05 23 23-0314 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting .....	21.07	4.56
<i>For Work In Restricted Working Space, Add</i>	2.73	
40 05 23 23-0315 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting .....	24.90	5.73
<i>For Work In Restricted Working Space, Add</i>	3.42	
40 05 23 23-0316 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting .....	31.51	6.89
<i>For Work In Restricted Working Space, Add</i>	4.11	
40 05 23 23-0317 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting .....	38.56	7.95
<i>For Work In Restricted Working Space, Add</i>	4.79	
40 05 23 23-0318 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting .....	44.89	9.01
<i>For Work In Restricted Working Space, Add</i>	5.44	
40 05 23 23-0319 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting .....	57.97	11.45
<i>For Work In Restricted Working Space, Add</i>	6.84	
40 05 23 23-0320 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting.....	79.69	13.58
<i>For Work In Restricted Working Space, Add</i>	8.16	
40 05 23 23-0321 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting .....	104.15	17.08
<i>For Work In Restricted Working Space, Add</i>	10.27	
40 05 23 23-0322 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting .....	139.85	22.59
<i>For Work In Restricted Working Space, Add</i>	13.54	
<b>40 05 23 23-0323 150#, Type 316 Stainless Steel Threaded 90 Degree Elbows</b>		
<small>(40 05 23 23-0312)</small>		
40 05 23 23-0324 EA 1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow .....	38.36	17.08
<i>For Work In Restricted Working Space, Add</i>	10.27	
40 05 23 23-0325 EA 3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow .....	51.11	22.59
<i>For Work In Restricted Working Space, Add</i>	13.54	
40 05 23 23-0326 EA 1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow .....	64.83	28.64
<i>For Work In Restricted Working Space, Add</i>	17.20	
40 05 23 23-0327 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow .....	91.45	39.25
<i>For Work In Restricted Working Space, Add</i>	23.57	
40 05 23 23-0328 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow .....	109.39	46.14
<i>For Work In Restricted Working Space, Add</i>	27.67	
40 05 23 23-0329 EA 2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow .....	133.36	55.79
<i>For Work In Restricted Working Space, Add</i>	33.50	
40 05 23 23-0330 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow .....	224.46	88.36
<i>For Work In Restricted Working Space, Add</i>	53.03	
40 05 23 23-0331 EA 3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow .....	293.70	114.02
<i>For Work In Restricted Working Space, Add</i>	68.43	
40 05 23 23-0332 EA 4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow .....	403.42	141.39
<i>For Work In Restricted Working Space, Add</i>	84.86	
<b>40 05 23 23-0333 150#, Type 316 Stainless Steel Threaded 45 Degree Elbows</b>		
<small>(40 05 23 23-0312)</small>		
40 05 23 23-0334 EA 1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow .....	39.13	17.08
<i>For Work In Restricted Working Space, Add</i>	10.27	
40 05 23 23-0335 EA 3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow .....	51.60	22.59
<i>For Work In Restricted Working Space, Add</i>	13.54	
40 05 23 23-0336 EA 1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow .....	65.40	28.64
<i>For Work In Restricted Working Space, Add</i>	17.20	
40 05 23 23-0337 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow .....	91.29	39.25
<i>For Work In Restricted Working Space, Add</i>	23.57	
40 05 23 23-0338 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow .....	107.36	46.14
<i>For Work In Restricted Working Space, Add</i>	27.67	
40 05 23 23-0339 EA 2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow .....	132.79	55.79
<i>For Work In Restricted Working Space, Add</i>	33.50	
40 05 23 23-0340 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow .....	232.15	88.36
<i>For Work In Restricted Working Space, Add</i>	53.03	
40 05 23 23-0341 EA 3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow .....	308.01	114.02
<i>For Work In Restricted Working Space, Add</i>	68.43	
40 05 23 23-0342 EA 4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow .....	433.32	141.39
<i>For Work In Restricted Working Space, Add</i>	84.86	
<b>40 05 23 23-0343 150#, Type 316 Stainless Steel Threaded Tees</b>		
<small>(40 05 23 23-0312)</small>		
40 05 23 23-0344 EA 1/2", 150#, Type 316 Stainless Steel Threaded Tee.....	57.08	25.88
<i>For Work In Restricted Working Space, Add</i>	15.52	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0345 EA 3/4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	76.32 20.53	34.26
40 05 23 23-0346 EA 1", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	94.74 25.46	42.43
40 05 23 23-0347 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	137.56 35.36	58.98
40 05 23 23-0348 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	156.50 39.78	66.29
40 05 23 23-0349 EA 2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	207.56 53.03	88.36
40 05 23 23-0350 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	327.57 76.68	127.81
40 05 23 23-0351 EA 3", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	444.90 102.65	171.09
40 05 23 23-0352 EA 4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	591.66 127.28	212.14
<b>40 05 23 23-0353 150#, Type 316 Stainless Steel Threaded Reducers (40 05 23 23-0312)</b>		
40 05 23 23-0354 EA 3/4", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	50.01 13.54	22.59
40 05 23 23-0355 EA 1", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	65.38 17.20	28.64
40 05 23 23-0356 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	87.05 23.57	39.25
40 05 23 23-0357 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	106.28 27.67	46.14
40 05 23 23-0358 EA 2", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	135.32 33.50	55.79
40 05 23 23-0359 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	228.13 53.03	88.36
40 05 23 23-0360 EA 3", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	297.98 68.43	114.02
40 05 23 23-0361 EA 4", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	398.73 84.86	141.39
<b>40 05 23 23-0362 150#, Type 316 Stainless Steel Threaded Caps (40 05 23 23-0312)</b>		
40 05 23 23-0363 EA 1/2", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	19.80 5.13	8.59
40 05 23 23-0364 EA 3/4", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	25.89 6.84	11.45
40 05 23 23-0365 EA 1", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	33.01 8.48	14.11
40 05 23 23-0366 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	49.33 12.01	20.05
40 05 23 23-0367 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	57.07 13.54	22.59
40 05 23 23-0368 EA 2", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	72.60 17.20	28.64
40 05 23 23-0369 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	111.92 25.46	42.43
40 05 23 23-0370 EA 3", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	147.10 33.50	55.79
40 05 23 23-0371 EA 4", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	203.01 42.43	70.75
<b>40 05 23 23-0372 150#, Type 316 Stainless Steel Threaded Unions (40 05 23 23-0312)</b>		
40 05 23 23-0373 EA 1/2", 150#, Type 316 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	61.89 15.52	25.88
40 05 23 23-0374 EA 3/4", 150#, Type 316 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	84.37 20.53	34.26
40 05 23 23-0375 EA 1", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	104.28 25.46	42.43
40 05 23 23-0376 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	151.47 35.36	58.98
40 05 23 23-0377 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	170.73 39.78	66.29
40 05 23 23-0378 EA 2", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	222.28 53.03	88.36
40 05 23 23-0379 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	382.09 79.55	132.59
40 05 23 23-0380 EA 3", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	504.73 102.65	171.09
40 05 23 23-0381 EA 4", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	559.82 84.87	141.45
<b>40 05 23 23-0382 150#, Type 316 Stainless Steel Threaded Couplings (40 05 23 23-0312)</b>		
40 05 23 23-0383 EA 1/2", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	39.03 10.27	17.08





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0384 EA 3/4", 150#, Type 316 Stainless Steel Threaded Coupling.....	50.18	22.59
<i>For Work In Restricted Working Space, Add</i>	13.54	
40 05 23 23-0385 EA 1", 150#, Type 316 Stainless Steel Threaded Coupling.....	64.49	28.64
<i>For Work In Restricted Working Space, Add</i>	17.20	
40 05 23 23-0386 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling .....	89.94	39.25
<i>For Work In Restricted Working Space, Add</i>	23.57	
40 05 23 23-0387 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling .....	105.75	46.14
<i>For Work In Restricted Working Space, Add</i>	27.67	
40 05 23 23-0388 EA 2", 150#, Type 316 Stainless Steel Threaded Coupling.....	130.67	55.79
<i>For Work In Restricted Working Space, Add</i>	33.50	
40 05 23 23-0389 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling .....	221.46	88.36
<i>For Work In Restricted Working Space, Add</i>	53.03	
40 05 23 23-0390 EA 3", 150#, Type 316 Stainless Steel Threaded Coupling.....	285.83	114.02
<i>For Work In Restricted Working Space, Add</i>	68.43	
40 05 23 23-0391 EA 4", 150#, Type 316 Stainless Steel Threaded Coupling.....	372.02	141.39
<i>For Work In Restricted Working Space, Add</i>	84.86	
<b>40 05 23 23-0392 Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings</b> <small>(40 05 23 23-0231)</small>		
<b>40 05 23 23-0393 Type 304, Schedule 10 Stainless Steel Pipe</b> <small>(40 05 23 23-0392)</small>		
40 05 23 23-0394 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting .....	19.06	4.46
<i>For Work In Restricted Working Space, Add</i>	2.68	
40 05 23 23-0395 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting .....	22.63	5.45
<i>For Work In Restricted Working Space, Add</i>	3.27	
40 05 23 23-0396 LF 1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting .....	30.26	6.44
<i>For Work In Restricted Working Space, Add</i>	3.84	
40 05 23 23-0397 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting .....	36.88	8.03
<i>For Work In Restricted Working Space, Add</i>	4.79	
40 05 23 23-0398 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting .....	40.98	9.01
<i>For Work In Restricted Working Space, Add</i>	5.40	
40 05 23 23-0399 LF 2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting .....	50.69	11.20
<i>For Work In Restricted Working Space, Add</i>	6.70	
40 05 23 23-0400 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting .....	60.79	12.79
<i>For Work In Restricted Working Space, Add</i>	7.65	
40 05 23 23-0401 LF 3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting .....	71.97	14.36
<i>For Work In Restricted Working Space, Add</i>	8.62	
40 05 23 23-0402 LF 4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting .....	90.73	17.04
<i>For Work In Restricted Working Space, Add</i>	10.20	
40 05 23 23-0403 LF 6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting .....	133.20	22.39
<i>For Work In Restricted Working Space, Add</i>	13.39	
40 05 23 23-0404 LF 8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting .....	221.39	40.04
<i>For Work In Restricted Working Space, Add</i>	25.73	
40 05 23 23-0405 LF 10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting .....	285.33	44.03
<i>For Work In Restricted Working Space, Add</i>	28.31	
40 05 23 23-0406 LF 12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting .....	342.85	48.95
<i>For Work In Restricted Working Space, Add</i>	31.45	
40 05 23 23-0407 LF 14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting .....	423.67	55.04
<i>For Work In Restricted Working Space, Add</i>	35.38	
40 05 23 23-0408 LF 16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting .....	465.67	62.90
<i>For Work In Restricted Working Space, Add</i>	40.43	
40 05 23 23-0409 LF 18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting .....	520.69	73.38
<i>For Work In Restricted Working Space, Add</i>	47.17	
40 05 23 23-0410 LF 20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting .....	727.90	88.05
<i>For Work In Restricted Working Space, Add</i>	56.61	
40 05 23 23-0411 LF 24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting .....	951.00	110.06
<i>For Work In Restricted Working Space, Add</i>	70.76	
<b>40 05 23 23-0412 Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow</b> <small>(40 05 23 23-0392)</small>		
40 05 23 23-0413 EA 1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow.....	118.15	50.82
<i>For Work In Restricted Working Space, Add</i>	33.88	
40 05 23 23-0414 EA 3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow.....	125.09	53.94
<i>For Work In Restricted Working Space, Add</i>	35.96	
40 05 23 23-0415 EA 1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow.....	137.88	59.28
<i>For Work In Restricted Working Space, Add</i>	39.52	
40 05 23 23-0416 EA 1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow.....	150.50	64.61
<i>For Work In Restricted Working Space, Add</i>	43.07	
40 05 23 23-0417 EA 1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow.....	166.23	71.35
<i>For Work In Restricted Working Space, Add</i>	47.57	
40 05 23 23-0418 EA 2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow.....	185.92	79.38
<i>For Work In Restricted Working Space, Add</i>	52.92	
40 05 23 23-0419 EA 2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow.....	242.04	101.60
<i>For Work In Restricted Working Space, Add</i>	67.73	
40 05 23 23-0420 EA 3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow.....	283.93	119.08
<i>For Work In Restricted Working Space, Add</i>	79.38	
40 05 23 23-0421 EA 4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow.....	348.32	142.52
<i>For Work In Restricted Working Space, Add</i>	95.02	
40 05 23 23-0422 EA 6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow.....	480.34	178.04
<i>For Work In Restricted Working Space, Add</i>	118.70	
40 05 23 23-0423 EA 8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow.....	829.29	303.25
<i>For Work In Restricted Working Space, Add</i>	202.16	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0424 EA 10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,231.89 269.55	404.32
40 05 23 23-0425 EA 12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,861.40 404.33	606.50
40 05 23 23-0426 EA 14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,202.82 471.72	707.57
40 05 23 23-0427 EA 16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,591.96 538.08	807.11
40 05 23 23-0428 EA 18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,277.61 673.88	1,010.82
40 05 23 23-0429 EA 20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,568.46 943.43	1,415.14
40 05 23 23-0430 EA 24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	6,560.10 1,347.76	2,021.64
<b>40 05 23 23-0431 Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow (40 05 23 23-0392)</b>		
40 05 23 23-0432 EA 1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	119.68 33.88	50.82
40 05 23 23-0433 EA 3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	126.62 35.96	53.94
40 05 23 23-0434 EA 1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	139.72 39.52	59.28
40 05 23 23-0435 EA 1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	152.95 43.07	64.61
40 05 23 23-0436 EA 1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	166.54 47.57	71.35
40 05 23 23-0437 EA 2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	185.92 52.92	79.38
40 05 23 23-0438 EA 2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	240.51 67.73	101.60
40 05 23 23-0439 EA 3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	281.17 79.38	119.08
40 05 23 23-0440 EA 4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	343.11 95.02	142.52
40 05 23 23-0441 EA 6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	453.03 118.70	178.04
40 05 23 23-0442 EA 8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	776.61 202.16	303.25
40 05 23 23-0443 EA 10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,138.11 269.55	404.32
40 05 23 23-0444 EA 12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,712.93 404.33	606.50
40 05 23 23-0445 EA 14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,020.59 471.72	707.57
40 05 23 23-0446 EA 16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,367.05 538.08	807.11
40 05 23 23-0447 EA 18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,982.26 673.88	1,010.82
40 05 23 23-0448 EA 20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,169.93 943.43	1,415.14
40 05 23 23-0449 EA 24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,994.75 1,347.76	2,021.64
<b>40 05 23 23-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee (40 05 23 23-0392)</b>		
40 05 23 23-0451 EA 1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	160.42 43.06	64.59
40 05 23 23-0452 EA 3/4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	193.09 52.86	79.30
40 05 23 23-0453 EA 1", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	214.87 59.40	89.10
40 05 23 23-0454 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	244.52 67.73	101.60
40 05 23 23-0455 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	259.23 72.71	109.05
40 05 23 23-0456 EA 2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	282.43 79.30	118.94
40 05 23 23-0457 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	367.81 95.02	142.52
40 05 23 23-0458 EA 3", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	430.06 119.08	178.62
40 05 23 23-0459 EA 4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	495.17 133.64	200.46
40 05 23 23-0460 EA 6", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	726.20 178.19	267.27
40 05 23 23-0461 EA 8", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,210.35 269.55	404.32
40 05 23 23-0462 EA 10", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,861.40 404.33	606.50
40 05 23 23-0463 EA 12", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,398.18 505.41	758.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0464 EA 14", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,954.81 607.36	911.04
40 05 23 23-0465 EA 16", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,577.57 740.92	1,111.38
40 05 23 23-0466 EA 18", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,552.09 943.43	1,415.14
40 05 23 23-0467 EA 20", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	6,094.09 1,241.36	1,862.04
40 05 23 23-0468 EA 24", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	9,127.44 1,886.87	2,830.29
<b>40 05 23 23-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees</b> (40 05 23 23-0392)		
40 05 23 23-0470 EA 3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	150.00 35.98	53.96
40 05 23 23-0471 EA 1", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	177.02 44.09	66.13
40 05 23 23-0472 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	220.02 49.54	74.31
40 05 23 23-0473 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	225.97 56.47	84.71
40 05 23 23-0474 EA 2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	236.33 60.68	91.02
40 05 23 23-0475 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	312.79 66.13	99.19
40 05 23 23-0476 EA 3", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	367.94 79.27	118.89
40 05 23 23-0477 EA 4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	452.97 99.07	148.61
40 05 23 23-0478 EA 6", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	603.78 113.20	169.80
40 05 23 23-0479 EA 8", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,160.70 168.47	252.70
40 05 23 23-0480 EA 10", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,930.82 224.63	336.94
40 05 23 23-0481 EA 12", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,753.55 336.94	505.41
40 05 23 23-0482 EA 14", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,342.10 404.79	607.19
40 05 23 23-0483 EA 16", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,141.65 493.77	740.65
40 05 23 23-0484 EA 18", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	5,351.09 628.95	943.43
40 05 23 23-0485 EA 20", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	7,632.38 827.57	1,241.35
40 05 23 23-0486 EA 24", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	11,951.75 1,256.79	1,885.19
<b>40 05 23 23-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers</b> (40 05 23 23-0392)		
40 05 23 23-0488 EA 3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	119.48 32.72	49.08
40 05 23 23-0489 EA 1", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	131.73 35.65	53.48
40 05 23 23-0490 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	146.02 39.52	59.28
40 05 23 23-0491 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	154.93 43.07	64.61
40 05 23 23-0492 EA 2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	168.69 47.57	71.35
40 05 23 23-0493 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	228.21 59.44	89.16
40 05 23 23-0494 EA 3", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	257.79 67.67	101.50
40 05 23 23-0495 EA 4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	301.21 79.30	118.94
40 05 23 23-0496 EA 6", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	389.30 100.96	151.43
40 05 23 23-0497 EA 8", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	623.87 161.73	242.60
40 05 23 23-0498 EA 10", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	794.83 202.16	303.25
40 05 23 23-0499 EA 12", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,069.84 269.55	404.32
40 05 23 23-0500 EA 14", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,535.63 353.79	530.68
40 05 23 23-0501 EA 16", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,799.28 403.18	604.76
40 05 23 23-0502 EA 18", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,211.94 505.41	758.11
40 05 23 23-0503 EA 20", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,117.28 673.88	1,010.82
40 05 23 23-0504 EA 24", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,481.69 1,010.82	1,516.23

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0505 EA 3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	148.33 32.72	49.08
40 05 23 23-0506 EA 1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	152.90 35.65	53.48
40 05 23 23-0507 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	160.53 39.52	59.28
40 05 23 23-0508 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	181.32 43.07	64.61
40 05 23 23-0509 EA 2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	187.71 47.57	71.35
40 05 23 23-0510 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	249.08 59.44	89.16
40 05 23 23-0511 EA 3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	278.35 67.67	101.50
40 05 23 23-0512 EA 4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	317.11 79.30	118.94
40 05 23 23-0513 EA 6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	446.68 100.96	151.43
40 05 23 23-0514 EA 8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	746.88 161.73	242.60
40 05 23 23-0515 EA 10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,034.76 202.16	303.25
40 05 23 23-0516 EA 12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,291.53 269.55	404.32
40 05 23 23-0517 EA 14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	2,047.05 353.79	530.68
40 05 23 23-0518 EA 16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	2,385.29 403.18	604.76
40 05 23 23-0519 EA 18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	2,927.14 505.41	758.11
40 05 23 23-0520 EA 20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	4,263.35 673.88	1,010.82
40 05 23 23-0521 EA 24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	6,000.60 1,010.82	1,516.23
<b>40 05 23 23-0522 Type 304, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0392)</b>		
40 05 23 23-0523 EA 1/2", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	65.98 16.94	25.41
40 05 23 23-0524 EA 3/4", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	72.83 17.98	26.97
40 05 23 23-0525 EA 1", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	79.98 19.76	29.64
40 05 23 23-0526 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	88.21 21.53	32.31
40 05 23 23-0527 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	94.33 23.79	35.68
40 05 23 23-0528 EA 2", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	101.39 26.46	39.69
40 05 23 23-0529 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	131.91 33.87	50.80
40 05 23 23-0530 EA 3", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	148.57 39.69	59.54
40 05 23 23-0531 EA 4", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	179.22 47.51	71.26
40 05 23 23-0532 EA 6", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	232.20 59.44	89.16
40 05 23 23-0533 EA 8", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	398.25 101.08	151.62
40 05 23 23-0534 EA 10", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	530.26 134.78	202.16
40 05 23 23-0535 EA 12", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	779.43 202.16	303.24
40 05 23 23-0536 EA 14", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	915.55 235.86	353.79
40 05 23 23-0537 EA 16", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	1,063.65 269.04	403.56
40 05 23 23-0538 EA 18", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	1,344.75 336.94	505.41
40 05 23 23-0539 EA 20", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	1,854.17 471.72	707.57
40 05 23 23-0540 EA 24", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	2,742.78 673.88	1,010.82
<b>40 05 23 23-0541 Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)</b>		
<b>40 05 23 23-0542 Type 304, Schedule 40 Stainless Steel Pipe (40 05 23 23-0541)</b>		
40 05 23 23-0543 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	21.55 2.68	4.46
40 05 23 23-0544 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	26.16 3.27	5.45
40 05 23 23-0545 LF 1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	32.16 3.84	6.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0546 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	40.20 4.79	7.93
40 05 23 23-0547 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	46.38 5.40	8.92
40 05 23 23-0548 LF 2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	59.58 6.70	11.39
40 05 23 23-0549 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	74.35 7.65	12.88
40 05 23 23-0550 LF 3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	71.73 8.62	14.36
40 05 23 23-0551 LF 4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	120.97 10.20	16.85
40 05 23 23-0552 LF 6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	189.94 13.39	22.29
40 05 23 23-0553 LF 8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	334.88 25.73	39.83
40 05 23 23-0554 LF 10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	426.49 28.31	44.03
40 05 23 23-0555 LF 12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	533.84 31.45	48.74
<b>40 05 23 23-0556 Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows</b> <small>(40 05 23 23-0541)</small>		
40 05 23 23-0557 EA 1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	119.37 33.88	50.82
40 05 23 23-0558 EA 3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	126.31 35.96	53.94
40 05 23 23-0559 EA 1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	138.80 39.52	59.28
40 05 23 23-0560 EA 1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	151.17 43.07	64.61
40 05 23 23-0561 EA 1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	166.84 47.57	71.35
40 05 23 23-0562 EA 2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	188.07 52.92	79.38
40 05 23 23-0563 EA 2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	250.02 67.73	101.60
40 05 23 23-0564 EA 3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	295.59 79.38	119.08
40 05 23 23-0565 EA 4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	367.96 95.02	142.52
40 05 23 23-0566 EA 6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	605.83 118.70	178.04
40 05 23 23-0567 EA 8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	1,000.30 202.16	303.25
40 05 23 23-0568 EA 10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	1,578.85 269.55	404.32
40 05 23 23-0569 EA 12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	2,311.41 404.33	606.50
40 05 23 23-0570 EA 14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	2,748.76 471.72	707.57
40 05 23 23-0571 EA 16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	3,293.29 538.08	807.11
40 05 23 23-0572 EA 18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	4,252.09 673.88	1,010.82
40 05 23 23-0573 EA 20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	5,771.24 943.43	1,415.14
40 05 23 23-0574 EA 24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	8,276.06 1,347.76	2,021.64
<b>40 05 23 23-0575 Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows</b> <small>(40 05 23 23-0541)</small>		
40 05 23 23-0576 EA 1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	121.52 33.88	50.82
40 05 23 23-0577 EA 3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	128.46 35.96	53.94
40 05 23 23-0578 EA 1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	140.33 39.52	59.28
40 05 23 23-0579 EA 1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	152.73 43.07	64.61
40 05 23 23-0580 EA 1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	168.38 47.57	71.35
40 05 23 23-0581 EA 2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	188.40 52.92	79.38
40 05 23 23-0582 EA 2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	250.02 67.73	101.60
40 05 23 23-0583 EA 3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	287.00 79.38	119.08
40 05 23 23-0584 EA 4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	372.56 95.02	142.52
40 05 23 23-0585 EA 6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	501.20 118.70	178.04

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0586 EA 8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	890.60	303.25
<i>For Work In Restricted Working Space, Add</i>	202.16	
40 05 23 23-0587 EA 10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	1,304.80	404.32
<i>For Work In Restricted Working Space, Add</i>	269.55	
40 05 23 23-0588 EA 12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	1,907.14	606.50
<i>For Work In Restricted Working Space, Add</i>	404.33	
40 05 23 23-0589 EA 14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	2,157.55	707.57
<i>For Work In Restricted Working Space, Add</i>	471.72	
40 05 23 23-0590 EA 16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	2,589.38	807.11
<i>For Work In Restricted Working Space, Add</i>	538.08	
40 05 23 23-0591 EA 18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	3,270.07	1,010.82
<i>For Work In Restricted Working Space, Add</i>	673.88	
40 05 23 23-0592 EA 20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	4,446.14	1,415.14
<i>For Work In Restricted Working Space, Add</i>	943.43	
40 05 23 23-0593 EA 24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	6,463.75	2,021.64
<i>For Work In Restricted Working Space, Add</i>	1,347.76	
<b>40 05 23 23-0594 Type 304, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0541)</b>		
40 05 23 23-0595 EA 1/2", Type 304, Schedule 40 Stainless Steel Tee.....	161.64	64.59
<i>For Work In Restricted Working Space, Add</i>	43.06	
40 05 23 23-0596 EA 3/4", Type 304, Schedule 40 Stainless Steel Tee.....	194.31	79.30
<i>For Work In Restricted Working Space, Add</i>	52.86	
40 05 23 23-0597 EA 1", Type 304, Schedule 40 Stainless Steel Tee.....	216.09	89.10
<i>For Work In Restricted Working Space, Add</i>	59.40	
40 05 23 23-0598 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Tee.....	247.65	101.60
<i>For Work In Restricted Working Space, Add</i>	67.73	
40 05 23 23-0599 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Tee.....	260.45	109.05
<i>For Work In Restricted Working Space, Add</i>	72.71	
40 05 23 23-0600 EA 2", Type 304, Schedule 40 Stainless Steel Tee.....	283.97	118.94
<i>For Work In Restricted Working Space, Add</i>	79.30	
40 05 23 23-0601 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Tee.....	371.95	142.52
<i>For Work In Restricted Working Space, Add</i>	95.02	
40 05 23 23-0602 EA 3", Type 304, Schedule 40 Stainless Steel Tee.....	436.50	178.62
<i>For Work In Restricted Working Space, Add</i>	119.08	
40 05 23 23-0603 EA 4", Type 304, Schedule 40 Stainless Steel Tee.....	502.23	200.46
<i>For Work In Restricted Working Space, Add</i>	133.64	
40 05 23 23-0604 EA 6", Type 304, Schedule 40 Stainless Steel Tee.....	774.98	267.27
<i>For Work In Restricted Working Space, Add</i>	178.19	
40 05 23 23-0605 EA 8", Type 304, Schedule 40 Stainless Steel Tee.....	1,355.16	404.32
<i>For Work In Restricted Working Space, Add</i>	269.55	
40 05 23 23-0606 EA 10", Type 304, Schedule 40 Stainless Steel Tee.....	2,305.80	606.50
<i>For Work In Restricted Working Space, Add</i>	404.33	
40 05 23 23-0607 EA 12", Type 304, Schedule 40 Stainless Steel Tee.....	2,866.76	758.11
<i>For Work In Restricted Working Space, Add</i>	505.41	
40 05 23 23-0608 EA 14", Type 304, Schedule 40 Stainless Steel Tee.....	3,899.01	911.04
<i>For Work In Restricted Working Space, Add</i>	607.36	
40 05 23 23-0609 EA 16", Type 304, Schedule 40 Stainless Steel Tee.....	4,956.05	1,111.38
<i>For Work In Restricted Working Space, Add</i>	740.92	
40 05 23 23-0610 EA 18", Type 304, Schedule 40 Stainless Steel Tee.....	6,423.73	1,415.14
<i>For Work In Restricted Working Space, Add</i>	943.43	
40 05 23 23-0611 EA 20", Type 304, Schedule 40 Stainless Steel Tee.....	8,289.47	1,862.04
<i>For Work In Restricted Working Space, Add</i>	1,241.36	
40 05 23 23-0612 EA 24", Type 304, Schedule 40 Stainless Steel Tee.....	12,693.02	2,830.29
<i>For Work In Restricted Working Space, Add</i>	1,886.87	
<b>40 05 23 23-0613 Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0541)</b>		
40 05 23 23-0614 EA 3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	153.99	53.96
<i>For Work In Restricted Working Space, Add</i>	35.98	
40 05 23 23-0615 EA 1", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	181.01	66.13
<i>For Work In Restricted Working Space, Add</i>	44.09	
40 05 23 23-0616 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	239.21	74.31
<i>For Work In Restricted Working Space, Add</i>	49.54	
40 05 23 23-0617 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	231.80	84.71
<i>For Work In Restricted Working Space, Add</i>	56.47	
40 05 23 23-0618 EA 2", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	236.33	91.02
<i>For Work In Restricted Working Space, Add</i>	60.68	
40 05 23 23-0619 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	293.18	99.19
<i>For Work In Restricted Working Space, Add</i>	66.13	
40 05 23 23-0620 EA 3", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	324.68	118.89
<i>For Work In Restricted Working Space, Add</i>	79.27	
40 05 23 23-0621 EA 4", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	430.26	148.61
<i>For Work In Restricted Working Space, Add</i>	99.07	
40 05 23 23-0622 EA 6", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	607.46	169.80
<i>For Work In Restricted Working Space, Add</i>	113.20	
40 05 23 23-0623 EA 8", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	1,030.47	252.70
<i>For Work In Restricted Working Space, Add</i>	168.47	
40 05 23 23-0624 EA 10", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	1,971.57	336.94
<i>For Work In Restricted Working Space, Add</i>	224.63	
40 05 23 23-0625 EA 12", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	2,835.08	505.41
<i>For Work In Restricted Working Space, Add</i>	336.94	
40 05 23 23-0626 EA 14", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	3,227.72	607.19
<i>For Work In Restricted Working Space, Add</i>	404.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0627 EA 16", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,998.40 493.77	740.65
40 05 23 23-0628 EA 18", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	5,164.28 628.95	943.43
40 05 23 23-0629 EA 20", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	7,352.63 827.57	1,241.35
40 05 23 23-0630 EA 24", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	11,506.20 1,256.79	1,885.19
<b>40 05 23 23-0631 Type 304, Schedule 40 Stainless Steel Butt Weld Reducers</b> (40 05 23 23-0541)		
40 05 23 23-0632 EA 3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	122.55 32.72	49.08
40 05 23 23-0633 EA 1", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	134.80 35.65	53.48
40 05 23 23-0634 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	146.25 39.52	59.28
40 05 23 23-0635 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	158.00 43.07	64.61
40 05 23 23-0636 EA 2", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	170.53 47.57	71.35
40 05 23 23-0637 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	228.21 59.44	89.16
40 05 23 23-0638 EA 3", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	246.74 67.67	101.50
40 05 23 23-0639 EA 4", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	285.50 79.30	118.94
40 05 23 23-0640 EA 6", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	391.75 100.96	151.43
40 05 23 23-0641 EA 8", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	675.98 161.73	242.60
40 05 23 23-0642 EA 10", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	884.31 202.16	303.25
40 05 23 23-0643 EA 12", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,149.70 269.55	404.32
40 05 23 23-0644 EA 14", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,714.84 353.79	530.68
40 05 23 23-0645 EA 16", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	2,024.58 403.18	604.76
40 05 23 23-0646 EA 18", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	2,668.17 505.41	758.11
40 05 23 23-0647 EA 20", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	3,655.43 673.88	1,010.82
40 05 23 23-0648 EA 24", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	5,039.00 1,010.82	1,516.23
40 05 23 23-0649 EA 3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	149.57 32.72	49.08
40 05 23 23-0650 EA 1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	159.34 35.65	53.48
40 05 23 23-0651 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	182.62 39.52	59.28
40 05 23 23-0652 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	192.67 43.07	64.61
40 05 23 23-0653 EA 2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	205.20 47.57	71.35
40 05 23 23-0654 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	249.08 59.44	89.16
40 05 23 23-0655 EA 3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	316.39 67.67	101.50
40 05 23 23-0656 EA 4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	342.88 79.30	118.94
40 05 23 23-0657 EA 6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	472.14 100.96	151.43
40 05 23 23-0658 EA 8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	749.54 161.73	242.60
40 05 23 23-0659 EA 10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,032.44 202.16	303.25
40 05 23 23-0660 EA 12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,412.16 269.55	404.32
40 05 23 23-0661 EA 14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,358.16 353.79	530.68
40 05 23 23-0662 EA 16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,673.85 403.18	604.76
40 05 23 23-0663 EA 18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,508.15 505.41	758.11
40 05 23 23-0664 EA 20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,550.09 673.88	1,010.82
40 05 23 23-0665 EA 24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	7,271.52 1,010.82	1,516.23
<b>40 05 23 23-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps</b> (40 05 23 23-0541)		
40 05 23 23-0667 EA 1/2", Type 304, Schedule 40 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	66.90 16.94	25.41

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0668 EA 3/4", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	71.91 17.98	26.97
40 05 23 23-0669 EA 1", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	80.91 19.76	29.64
40 05 23 23-0670 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	92.31 21.53	32.31
40 05 23 23-0671 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	98.31 23.79	35.68
40 05 23 23-0672 EA 2", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	101.09 26.46	39.69
40 05 23 23-0673 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	129.85 33.87	50.80
40 05 23 23-0674 EA 3", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	149.80 39.69	59.54
40 05 23 23-0675 EA 4", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	182.91 47.51	71.26
40 05 23 23-0676 EA 6", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	254.91 59.44	89.16
40 05 23 23-0677 EA 8", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	434.71 101.08	151.62
40 05 23 23-0678 EA 10", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	581.80 134.78	202.16
40 05 23 23-0679 EA 12", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	877.68 202.16	303.24
40 05 23 23-0680 EA 14", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,005.55 235.86	353.79
40 05 23 23-0681 EA 16", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,187.46 269.04	403.56
40 05 23 23-0682 EA 18", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,491.48 336.94	505.41
40 05 23 23-0683 EA 20", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	2,049.85 471.72	707.57
40 05 23 23-0684 EA 24", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	3,069.94 673.88	1,010.82
<b>40 05 23 23-0685 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)</b>		
<b>40 05 23 23-0686 Type 316, Schedule 10 Stainless Steel Pipe (40 05 23 23-0685)</b>		
40 05 23 23-0687 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	22.22 2.68	4.46
40 05 23 23-0688 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	26.29 3.27	5.45
40 05 23 23-0689 LF 1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	35.72 3.84	6.44
40 05 23 23-0690 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	43.40 4.79	8.03
40 05 23 23-0691 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	48.16 5.40	9.01
40 05 23 23-0692 LF 2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	59.55 6.70	11.20
40 05 23 23-0693 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	71.81 7.65	12.79
40 05 23 23-0694 LF 3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	85.47 8.62	14.36
40 05 23 23-0695 LF 4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	108.45 10.20	17.04
40 05 23 23-0696 LF 6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	160.86 13.39	22.39
40 05 23 23-0697 LF 8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	263.75 25.73	40.04
40 05 23 23-0698 LF 10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	344.97 28.31	44.03
40 05 23 23-0699 LF 12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	417.19 31.45	48.95
40 05 23 23-0700 LF 14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	519.15 35.38	55.04
40 05 23 23-0701 LF 16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	569.00 40.43	62.90
40 05 23 23-0702 LF 18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	634.20 47.17	73.38
40 05 23 23-0703 LF 20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	896.29 56.61	88.05
40 05 23 23-0704 LF 24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	1,174.33 70.76	110.06
<b>40 05 23 23-0705 Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0685)</b>		
40 05 23 23-0706 EA 1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	119.68 33.88	50.82
40 05 23 23-0707 EA 3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	126.62 35.96	53.94





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0708 EA 1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	139.72 39.52	59.28
40 05 23 23-0709 EA 1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	153.18 43.07	64.61
40 05 23 23-0710 EA 1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	168.07 47.57	71.35
40 05 23 23-0711 EA 2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	188.07 52.92	79.38
40 05 23 23-0712 EA 2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	246.03 67.73	101.60
40 05 23 23-0713 EA 3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	289.76 79.38	119.08
40 05 23 23-0714 EA 4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	357.22 95.02	142.52
40 05 23 23-0715 EA 6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	503.66 118.70	178.04
40 05 23 23-0716 EA 8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	872.71 202.16	303.25
40 05 23 23-0717 EA 10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,332.28 269.55	404.32
40 05 23 23-0718 EA 12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,998.27 404.33	606.50
40 05 23 23-0719 EA 14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,331.62 471.72	707.57
40 05 23 23-0720 EA 16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,795.68 538.08	807.11
40 05 23 23-0721 EA 18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,521.90 673.88	1,010.82
40 05 23 23-0722 EA 20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,917.42 943.43	1,415.14
40 05 23 23-0723 EA 24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	7,078.63 1,347.76	2,021.64
<b>40 05 23 23-0724 Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 23-0685)</b>		
40 05 23 23-0725 EA 1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	121.52 33.88	50.82
40 05 23 23-0726 EA 3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	128.46 35.96	53.94
40 05 23 23-0727 EA 1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	141.56 39.52	59.28
40 05 23 23-0728 EA 1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	155.63 43.07	64.61
40 05 23 23-0729 EA 1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	168.07 47.57	71.35
40 05 23 23-0730 EA 2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	188.07 52.92	79.38
40 05 23 23-0731 EA 2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	244.19 67.73	101.60
40 05 23 23-0732 EA 3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	287.00 79.38	119.08
40 05 23 23-0733 EA 4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	350.78 95.02	142.52
40 05 23 23-0734 EA 6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	465.61 118.70	178.04
40 05 23 23-0735 EA 8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	804.44 202.16	303.25
40 05 23 23-0736 EA 10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,304.80 269.55	404.32
40 05 23 23-0737 EA 12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,907.14 404.33	606.50
40 05 23 23-0738 EA 14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,246.22 471.72	707.57
40 05 23 23-0739 EA 16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,639.11 538.08	807.11
40 05 23 23-0740 EA 18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,337.52 673.88	1,010.82
40 05 23 23-0741 EA 20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,751.76 943.43	1,415.14
40 05 23 23-0742 EA 24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	6,857.98 1,347.76	2,021.64
<b>40 05 23 23-0743 Type 316, Schedule 10 Stainless Steel Butt Weld Tees (40 05 23 23-0685)</b>		
40 05 23 23-0744 EA 1/2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	164.40 43.06	64.59
40 05 23 23-0745 EA 3/4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	197.07 52.86	79.30
40 05 23 23-0746 EA 1", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	218.85 59.40	89.10
40 05 23 23-0747 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	251.89 67.73	101.60

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0748 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	265.06 72.71	109.05
40 05 23 23-0749 EA 2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	287.65 79.30	118.94
40 05 23 23-0750 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	351.09 95.02	142.52
40 05 23 23-0751 EA 3", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	440.18 119.08	178.62
40 05 23 23-0752 EA 4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	508.98 133.64	200.46
40 05 23 23-0753 EA 6", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	765.78 178.19	267.27
40 05 23 23-0754 EA 8", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,314.39 269.55	404.32
40 05 23 23-0755 EA 10", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,061.23 404.33	606.50
40 05 23 23-0756 EA 12", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,662.94 505.41	758.11
40 05 23 23-0757 EA 14", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,445.74 607.36	911.04
40 05 23 23-0758 EA 16", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,053.00 740.92	1,111.38
40 05 23 23-0759 EA 18", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	5,150.29 943.43	1,415.14
40 05 23 23-0760 EA 20", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	6,966.43 1,241.36	1,862.04
40 05 23 23-0761 EA 24", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	9,892.54 1,886.87	2,830.29
<b>40 05 23 23-0762 Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0685)</b>		
40 05 23 23-0763 EA 3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	159.51 35.98	53.96
40 05 23 23-0764 EA 1", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	188.37 44.09	66.13
40 05 23 23-0765 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	233.85 49.54	74.31
40 05 23 23-0766 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	235.48 56.47	84.71
40 05 23 23-0767 EA 2", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	249.52 60.68	91.02
40 05 23 23-0768 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	352.68 66.13	99.19
40 05 23 23-0769 EA 3", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	332.04 79.27	118.89
40 05 23 23-0770 EA 4", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	452.97 99.07	148.61
40 05 23 23-0771 EA 6", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	660.54 113.20	169.80
40 05 23 23-0772 EA 8", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,325.74 168.47	252.70
40 05 23 23-0773 EA 10", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,481.25 224.63	336.94
40 05 23 23-0774 EA 12", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,222.46 336.94	505.41
40 05 23 23-0775 EA 14", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,652.77 404.79	607.19
40 05 23 23-0776 EA 16", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,530.73 493.77	740.65
40 05 23 23-0777 EA 18", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	5,858.47 628.95	943.43
40 05 23 23-0778 EA 20", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	8,392.18 827.57	1,241.35
40 05 23 23-0779 EA 24", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	13,161.88 1,256.79	1,885.19
<b>40 05 23 23-0780 Type 316, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 23-0685)</b>		
40 05 23 23-0781 EA 3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	122.24 32.72	49.08
40 05 23 23-0782 EA 1", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	135.10 35.65	53.48
40 05 23 23-0783 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	150.93 39.52	59.28
40 05 23 23-0784 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	157.08 43.07	64.61
40 05 23 23-0785 EA 2", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	170.53 47.57	71.35
40 05 23 23-0786 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	226.93 59.44	89.16
40 05 23 23-0787 EA 3", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	265.15 67.67	101.50
40 05 23 23-0788 EA 4", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	287.69 79.30	118.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0789 EA 6", Type 316, Schedule 10 Stainless Steel Concentric Reducer .....	404.33	151.43
For Work In Restricted Working Space, Add	100.96	
40 05 23 23-0790 EA 8", Type 316, Schedule 10 Stainless Steel Concentric Reducer .....	639.60	242.60
For Work In Restricted Working Space, Add	161.73	
40 05 23 23-0791 EA 10", Type 316, Schedule 10 Stainless Steel Concentric Reducer .....	831.63	303.25
For Work In Restricted Working Space, Add	202.16	
40 05 23 23-0792 EA 12", Type 316, Schedule 10 Stainless Steel Concentric Reducer .....	1,113.26	404.32
For Work In Restricted Working Space, Add	269.55	
40 05 23 23-0793 EA 14", Type 316, Schedule 10 Stainless Steel Concentric Reducer .....	1,595.42	530.68
For Work In Restricted Working Space, Add	353.79	
40 05 23 23-0794 EA 16", Type 316, Schedule 10 Stainless Steel Concentric Reducer .....	1,855.90	604.76
For Work In Restricted Working Space, Add	403.18	
40 05 23 23-0795 EA 18", Type 316, Schedule 10 Stainless Steel Concentric Reducer .....	2,295.17	758.11
For Work In Restricted Working Space, Add	505.41	
40 05 23 23-0796 EA 20", Type 316, Schedule 10 Stainless Steel Concentric Reducer .....	3,245.88	1,010.82
For Work In Restricted Working Space, Add	673.88	
40 05 23 23-0797 EA 24", Type 316, Schedule 10 Stainless Steel Concentric Reducer .....	4,709.70	1,516.23
For Work In Restricted Working Space, Add	1,010.82	
40 05 23 23-0798 EA 3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	146.09	49.08
For Work In Restricted Working Space, Add	32.72	
40 05 23 23-0799 EA 1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	163.43	53.48
For Work In Restricted Working Space, Add	35.65	
40 05 23 23-0800 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	184.52	59.28
For Work In Restricted Working Space, Add	39.52	
40 05 23 23-0801 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	196.36	64.61
For Work In Restricted Working Space, Add	43.07	
40 05 23 23-0802 EA 2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	194.77	71.35
For Work In Restricted Working Space, Add	47.57	
40 05 23 23-0803 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	260.43	89.16
For Work In Restricted Working Space, Add	59.44	
40 05 23 23-0804 EA 3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	299.52	101.50
For Work In Restricted Working Space, Add	67.67	
40 05 23 23-0805 EA 4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	334.29	118.94
For Work In Restricted Working Space, Add	79.30	
40 05 23 23-0806 EA 6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	484.42	151.43
For Work In Restricted Working Space, Add	100.96	
40 05 23 23-0807 EA 8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	813.15	242.60
For Work In Restricted Working Space, Add	161.73	
40 05 23 23-0808 EA 10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	1,130.53	303.25
For Work In Restricted Working Space, Add	202.16	
40 05 23 23-0809 EA 12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	1,423.41	404.32
For Work In Restricted Working Space, Add	269.55	
40 05 23 23-0810 EA 14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	2,183.60	530.68
For Work In Restricted Working Space, Add	353.79	
40 05 23 23-0811 EA 16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	2,566.80	604.76
For Work In Restricted Working Space, Add	403.18	
40 05 23 23-0812 EA 18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	3,178.41	758.11
For Work In Restricted Working Space, Add	505.41	
40 05 23 23-0813 EA 20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	4,658.45	1,010.82
For Work In Restricted Working Space, Add	673.88	
40 05 23 23-0814 EA 24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer .....	6,387.24	1,516.23
For Work In Restricted Working Space, Add	1,010.82	
<b>40 05 23 23-0815 Type 316, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0885)</b>		
40 05 23 23-0816 EA 1/2", Type 316, Schedule 10 Stainless Steel Cap .....	69.97	25.41
For Work In Restricted Working Space, Add	16.94	
40 05 23 23-0817 EA 3/4", Type 316, Schedule 10 Stainless Steel Cap .....	78.04	26.97
For Work In Restricted Working Space, Add	17.98	
40 05 23 23-0818 EA 1", Type 316, Schedule 10 Stainless Steel Cap .....	85.51	29.64
For Work In Restricted Working Space, Add	19.76	
40 05 23 23-0819 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Cap .....	93.54	32.31
For Work In Restricted Working Space, Add	21.53	
40 05 23 23-0820 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Cap .....	100.77	35.68
For Work In Restricted Working Space, Add	23.79	
40 05 23 23-0821 EA 2", Type 316, Schedule 10 Stainless Steel Cap .....	105.08	39.69
For Work In Restricted Working Space, Add	26.46	
40 05 23 23-0822 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Cap .....	130.74	50.80
For Work In Restricted Working Space, Add	33.87	
40 05 23 23-0823 EA 3", Type 316, Schedule 10 Stainless Steel Cap .....	155.02	59.54
For Work In Restricted Working Space, Add	39.69	
40 05 23 23-0824 EA 4", Type 316, Schedule 10 Stainless Steel Cap .....	185.67	71.26
For Work In Restricted Working Space, Add	47.51	
40 05 23 23-0825 EA 6", Type 316, Schedule 10 Stainless Steel Cap .....	243.55	89.16
For Work In Restricted Working Space, Add	59.44	
40 05 23 23-0826 EA 8", Type 316, Schedule 10 Stainless Steel Cap .....	418.46	151.62
For Work In Restricted Working Space, Add	101.08	
40 05 23 23-0827 EA 10", Type 316, Schedule 10 Stainless Steel Cap .....	554.80	202.16
For Work In Restricted Working Space, Add	134.78	
40 05 23 23-0828 EA 12", Type 316, Schedule 10 Stainless Steel Cap .....	815.33	303.24
For Work In Restricted Working Space, Add	202.16	
40 05 23 23-0829 EA 14", Type 316, Schedule 10 Stainless Steel Cap .....	947.93	353.79
For Work In Restricted Working Space, Add	235.86	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0830 EA 16", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,091.01 269.04	403.56
40 05 23 23-0831 EA 18", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,376.10 336.94	505.41
40 05 23 23-0832 EA 20", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,904.18 471.72	707.57
40 05 23 23-0833 EA 24", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	2,896.73 673.88	1,010.82
<b>40 05 23 23-0834 Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)</b>		
<b>40 05 23 23-0835 Type 316, Schedule 40 Stainless Steel Pipe (40 05 23 23-0834)</b>		
40 05 23 23-0836 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	25.77 2.68	4.46
40 05 23 23-0837 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	31.26 3.27	5.45
40 05 23 23-0838 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	38.65 3.84	6.44
40 05 23 23-0839 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	48.30 4.79	7.93
40 05 23 23-0840 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	55.87 5.40	8.92
40 05 23 23-0841 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	72.05 6.70	11.39
40 05 23 23-0842 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	90.69 7.65	12.88
40 05 23 23-0843 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	86.11 8.62	14.36
40 05 23 23-0844 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	150.07 10.20	16.85
40 05 23 23-0845 LF 6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	238.55 13.39	22.29
40 05 23 23-0846 LF 8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	418.21 25.73	39.83
40 05 23 23-0847 LF 10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	537.60 28.31	44.03
40 05 23 23-0848 LF 12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	677.35 31.45	48.74
<b>40 05 23 23-0849 Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0634)</b>		
40 05 23 23-0850 EA 1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	121.21 33.88	50.82
40 05 23 23-0851 EA 3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	128.15 35.96	53.94
40 05 23 23-0852 EA 1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	141.25 39.52	59.28
40 05 23 23-0853 EA 1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	153.85 43.07	64.61
40 05 23 23-0854 EA 1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	169.61 47.57	71.35
40 05 23 23-0855 EA 2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	191.75 52.92	79.38
40 05 23 23-0856 EA 2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	257.38 67.73	101.60
40 05 23 23-0857 EA 3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	305.72 79.38	119.08
40 05 23 23-0858 EA 4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	392.20 95.02	142.52
40 05 23 23-0859 EA 6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	626.39 118.70	178.04
40 05 23 23-0860 EA 8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,107.65 202.16	303.25
40 05 23 23-0861 EA 10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,845.93 269.55	404.32
40 05 23 23-0862 EA 12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,619.61 404.33	606.50
40 05 23 23-0863 EA 14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,918.09 471.72	707.57
40 05 23 23-0864 EA 16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,561.33 538.08	807.11
40 05 23 23-0865 EA 18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,554.51 673.88	1,010.82
40 05 23 23-0866 EA 20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	6,131.96 943.43	1,415.14
40 05 23 23-0867 EA 24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	8,911.92 1,347.76	2,021.64
<b>40 05 23 23-0868 Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 23-0634)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0869 EA 1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	124.28 33.88	50.82
40 05 23 23-0870 EA 3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	131.22 35.96	53.94
40 05 23 23-0871 EA 1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	143.09 39.52	59.28
40 05 23 23-0872 EA 1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	154.74 43.07	64.61
40 05 23 23-0873 EA 1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	171.45 47.57	71.35
40 05 23 23-0874 EA 2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	191.75 52.92	79.38
40 05 23 23-0875 EA 2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	257.38 67.73	101.60
40 05 23 23-0876 EA 3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	293.75 79.38	119.08
40 05 23 23-0877 EA 4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	369.50 95.02	142.52
40 05 23 23-0878 EA 6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	533.11 118.70	178.04
40 05 23 23-0879 EA 8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	943.30 202.16	303.25
40 05 23 23-0880 EA 10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,467.18 269.55	404.32
40 05 23 23-0881 EA 12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,112.58 404.33	606.50
40 05 23 23-0882 EA 14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,393.32 471.72	707.57
40 05 23 23-0883 EA 16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,700.40 538.08	807.11
40 05 23 23-0884 EA 18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,482.71 673.88	1,010.82
40 05 23 23-0885 EA 20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,718.14 943.43	1,415.14
40 05 23 23-0886 EA 24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	7,023.82 1,347.76	2,021.64
<b>40 05 23 23-0887 Type 316, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0834)</b>		
40 05 23 23-0888 EA 1/2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	166.25 43.06	64.59
40 05 23 23-0889 EA 3/4", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	198.92 52.86	79.30
40 05 23 23-0890 EA 1", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	220.70 59.40	89.10
40 05 23 23-0891 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	254.57 67.73	101.60
40 05 23 23-0892 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	265.06 72.71	109.05
40 05 23 23-0893 EA 2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	288.88 79.30	118.94
40 05 23 23-0894 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	362.02 95.02	142.52
40 05 23 23-0895 EA 3", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	446.01 119.08	178.62
40 05 23 23-0896 EA 4", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	519.10 133.64	200.46
40 05 23 23-0897 EA 6", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	837.89 178.19	267.27
40 05 23 23-0898 EA 8", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,499.64 269.55	404.32
40 05 23 23-0899 EA 10", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,550.35 404.33	606.50
40 05 23 23-0900 EA 12", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,131.86 505.41	758.11
40 05 23 23-0901 EA 14", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,548.83 607.36	911.04
40 05 23 23-0902 EA 16", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	5,642.58 740.92	1,111.38
40 05 23 23-0903 EA 18", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	7,317.16 943.43	1,415.14
40 05 23 23-0904 EA 20", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	9,498.02 1,241.36	1,862.04
40 05 23 23-0905 EA 24", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	13,548.87 1,886.87	2,830.29
<b>40 05 23 23-0906 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0834)</b>		
40 05 23 23-0907 EA 3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	165.34 35.98	53.96
40 05 23 23-0908 EA 1", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	192.36 44.09	66.13
40 05 23 23-0909 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	258.40 49.54	74.31

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0910 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	245.00 56.47	84.71
40 05 23 23-0911 EA 2", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	249.52 60.68	91.02
40 05 23 23-0912 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	354.52 66.13	99.19
40 05 23 23-0913 EA 3", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	345.24 79.27	118.89
40 05 23 23-0914 EA 4", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	466.16 99.07	148.61
40 05 23 23-0915 EA 6", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	668.83 113.20	169.80
40 05 23 23-0916 EA 8", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,162.69 168.47	252.70
40 05 23 23-0917 EA 10", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,522.02 224.63	336.94
40 05 23 23-0918 EA 12", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,303.98 336.94	505.41
40 05 23 23-0919 EA 14", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,742.22 404.79	607.19
40 05 23 23-0920 EA 16", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,642.75 493.77	740.65
40 05 23 23-0921 EA 18", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	6,004.55 628.95	943.43
40 05 23 23-0922 EA 20", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	8,610.95 827.57	1,241.35
40 05 23 23-0923 EA 24", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	13,510.31 1,256.79	1,885.19
<b>40 05 23 23-0924 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 23-0934)</b>		
40 05 23 23-0925 EA 3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	127.15 32.72	49.08
40 05 23 23-0926 EA 1", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	140.01 35.65	53.48
40 05 23 23-0927 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	153.16 39.52	59.28
40 05 23 23-0928 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	162.60 43.07	64.61
40 05 23 23-0929 EA 2", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	173.90 47.57	71.35
40 05 23 23-0930 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	237.72 59.44	89.16
40 05 23 23-0931 EA 3", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	253.19 67.67	101.50
40 05 23 23-0932 EA 4", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	291.95 79.30	118.94
40 05 23 23-0933 EA 6", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	406.48 100.96	151.43
40 05 23 23-0934 EA 8", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	703.81 161.73	242.60
40 05 23 23-0935 EA 10", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	952.59 202.16	303.25
40 05 23 23-0936 EA 12", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,200.07 269.55	404.32
40 05 23 23-0937 EA 14", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,760.79 353.79	530.68
40 05 23 23-0938 EA 16", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,031.91 403.18	604.76
40 05 23 23-0939 EA 18", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,734.80 505.41	758.11
40 05 23 23-0940 EA 20", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,716.14 673.88	1,010.82
40 05 23 23-0941 EA 24", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	5,303.50 1,010.82	1,516.23
40 05 23 23-0942 EA 3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	161.83 32.72	49.08
40 05 23 23-0943 EA 1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	171.62 35.65	53.48
40 05 23 23-0944 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	200.47 39.52	59.28
40 05 23 23-0945 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	205.87 43.07	64.61
40 05 23 23-0946 EA 2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	219.93 47.57	71.35
40 05 23 23-0947 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	260.43 59.44	89.16
40 05 23 23-0948 EA 3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	341.86 67.67	101.50
40 05 23 23-0949 EA 4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	368.04 79.30	118.94
40 05 23 23-0950 EA 6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	531.36 100.96	151.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0951 EA 8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	797.26	242.60
For Work In Restricted Working Space, Add	161.73	
40 05 23 23-0952 EA 10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	1,158.03	303.25
For Work In Restricted Working Space, Add	202.16	
40 05 23 23-0953 EA 12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	1,610.99	404.32
For Work In Restricted Working Space, Add	269.55	
40 05 23 23-0954 EA 14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	2,451.17	530.68
For Work In Restricted Working Space, Add	353.79	
40 05 23 23-0955 EA 16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	2,826.68	604.76
For Work In Restricted Working Space, Add	403.18	
40 05 23 23-0956 EA 18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	3,821.26	758.11
For Work In Restricted Working Space, Add	505.41	
40 05 23 23-0957 EA 20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	4,898.20	1,010.82
For Work In Restricted Working Space, Add	673.88	
40 05 23 23-0958 EA 24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	7,342.88	1,516.23
For Work In Restricted Working Space, Add	1,010.82	
<b>40 05 23 23-0959 Type 316, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 23-0834)</b>		
40 05 23 23-0960 EA 1/2", Type 316, Schedule 40 Stainless Steel Cap.....	70.58	25.41
For Work In Restricted Working Space, Add	16.94	
40 05 23 23-0961 EA 3/4", Type 316, Schedule 40 Stainless Steel Cap.....	77.74	26.97
For Work In Restricted Working Space, Add	17.98	
40 05 23 23-0962 EA 1", Type 316, Schedule 40 Stainless Steel Cap.....	86.12	29.64
For Work In Restricted Working Space, Add	19.76	
40 05 23 23-0963 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Cap.....	99.23	32.31
For Work In Restricted Working Space, Add	21.53	
40 05 23 23-0964 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Cap.....	96.17	35.68
For Work In Restricted Working Space, Add	23.79	
40 05 23 23-0965 EA 2", Type 316, Schedule 40 Stainless Steel Cap.....	109.37	39.69
For Work In Restricted Working Space, Add	26.46	
40 05 23 23-0966 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Cap.....	136.32	50.80
For Work In Restricted Working Space, Add	33.87	
40 05 23 23-0967 EA 3", Type 316, Schedule 40 Stainless Steel Cap.....	155.94	59.54
For Work In Restricted Working Space, Add	39.69	
40 05 23 23-0968 EA 4", Type 316, Schedule 40 Stainless Steel Cap.....	192.42	71.26
For Work In Restricted Working Space, Add	47.51	
40 05 23 23-0969 EA 6", Type 316, Schedule 40 Stainless Steel Cap.....	271.78	89.16
For Work In Restricted Working Space, Add	59.44	
40 05 23 23-0970 EA 8", Type 316, Schedule 40 Stainless Steel Cap.....	471.49	151.62
For Work In Restricted Working Space, Add	101.08	
40 05 23 23-0971 EA 10", Type 316, Schedule 40 Stainless Steel Cap.....	632.84	202.16
For Work In Restricted Working Space, Add	134.78	
40 05 23 23-0972 EA 12", Type 316, Schedule 40 Stainless Steel Cap.....	942.96	303.24
For Work In Restricted Working Space, Add	202.16	
40 05 23 23-0973 EA 14", Type 316, Schedule 40 Stainless Steel Cap.....	1,071.61	353.79
For Work In Restricted Working Space, Add	235.86	
40 05 23 23-0974 EA 16", Type 316, Schedule 40 Stainless Steel Cap.....	1,201.79	403.56
For Work In Restricted Working Space, Add	269.04	
40 05 23 23-0975 EA 18", Type 316, Schedule 40 Stainless Steel Cap.....	1,538.32	505.41
For Work In Restricted Working Space, Add	336.94	
40 05 23 23-0976 EA 20", Type 316, Schedule 40 Stainless Steel Cap.....	2,108.39	707.57
For Work In Restricted Working Space, Add	471.72	
40 05 23 23-0977 EA 24", Type 316, Schedule 40 Stainless Steel Cap.....	3,294.42	1,010.82
For Work In Restricted Working Space, Add	673.88	
<b>40 05 23 23-0978 Valves (40 05 23 23-0231)</b>		
<b>40 05 23 23-0979 Gate Valves, Class 150 (40 05 23 23-0978)</b>		
40 05 23 23-0980 EA 1/2" Gate Valve, Stainless Steel, Flanged.....	515.86	50.91
For Class 200, Deduct	-120.97	
For Work In Restricted Working Space, Add	19.09	
For Class 300, Add	425.09	
40 05 23 23-0981 EA 3/4" Gate Valve, Stainless Steel, Flanged.....	561.03	53.04
For Class 200, Deduct	-130.21	
For Work In Restricted Working Space, Add	22.28	
For Class 300, Add	457.57	
40 05 23 23-0982 EA 1" Gate Valve, Stainless Steel, Flanged.....	692.33	79.55
For Class 200, Deduct	-158.43	
For Work In Restricted Working Space, Add	30.02	
For Class 300, Add	556.73	
40 05 23 23-0983 EA 1-1/4" Gate Valve, Stainless Steel, Flanged.....	871.77	92.81
For Class 200, Deduct	-202.36	
For Work In Restricted Working Space, Add	34.59	
For Class 300, Add	711.09	
40 05 23 23-0984 EA 1-1/2" Gate Valve, Stainless Steel, Flanged.....	984.61	116.83
For Class 200, Deduct	-224.32	
For Work In Restricted Working Space, Add	43.81	
For Class 300, Add	788.27	
40 05 23 23-0985 EA 2" Gate Valve, Stainless Steel, Flanged.....	1,169.17	141.39
For Class 200, Deduct	-265.46	
For Work In Restricted Working Space, Add	53.03	
For Class 300, Add	932.85	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0986	EA		2-1/2" Gate Valve, Stainless Steel, Flanged	1,673.42	153.80
			<i>For Work In Restricted Working Space, Add</i>	57.86	
			<i>For Class 300, Add</i>	1,391.74	
40 05 23 23-0987	EA		3" Gate Valve, Stainless Steel, Flanged	1,885.66	180.32
			<i>For Work In Restricted Working Space, Add</i>	67.70	
			<i>For Class 300, Add</i>	1,560.38	
40 05 23 23-0988	EA		4" Gate Valve, Stainless Steel, Flanged	2,502.33	302.30
			<i>For Work In Restricted Working Space, Add</i>	113.65	
			<i>For Class 300, Add</i>	1,996.10	
40 05 23 23-0989	EA		6" Gate Valve, Stainless Steel, Flanged	4,170.20	381.85
			<i>For Work In Restricted Working Space, Add</i>	143.71	
			<i>For Class 300, Add</i>	3,469.70	
40 05 23 23-0990	EA		8" Gate Valve, Stainless Steel, Flanged	9,052.96	487.92
			<i>For Work In Restricted Working Space, Add</i>	181.83	
			<i>For Class 300, Add</i>	7,940.04	
40 05 23 23-0991	EA		10" Gate Valve, Stainless Steel, Flanged	12,747.16	593.99
			<i>For Work In Restricted Working Space, Add</i>	222.75	
			<i>For Class 300, Add</i>	11,284.39	
40 05 23 23-0992	EA		12" Gate Valve, Stainless Steel, Flanged	19,169.64	721.27
			<i>For Work In Restricted Working Space, Add</i>	270.00	
			<i>For Class 300, Add</i>	17,173.47	
<b>40 05 23 23-0993</b>			<b>Globe Valves, Class 150</b> (40 05 23 23-0978)		
40 05 23 23-0994	EA		1/2" Globe Valve, Stainless Steel, Flanged	702.46	50.91
			<i>For Work In Restricted Working Space, Add</i>	19.09	
			<i>For Class 200, Deduct</i>	-170.88	
			<i>For Class 300, Add</i>	600.49	
40 05 23 23-0995	EA		3/4" Globe Valve, Stainless Steel, Flanged	777.88	53.04
			<i>For Work In Restricted Working Space, Add</i>	22.28	
			<i>For Class 200, Deduct</i>	-188.22	
			<i>For Class 300, Add</i>	661.41	
40 05 23 23-0996	EA		1" Globe Valve, Stainless Steel, Flanged	970.33	79.55
			<i>For Work In Restricted Working Space, Add</i>	30.02	
			<i>For Class 200, Deduct</i>	-232.80	
			<i>For Class 300, Add</i>	818.05	
40 05 23 23-0997	EA		1-1/2" Globe Valve, Stainless Steel, Flanged	1,442.19	116.83
			<i>For Work In Restricted Working Space, Add</i>	43.81	
			<i>For Class 200, Deduct</i>	-346.72	
			<i>For Class 300, Add</i>	1,218.39	
40 05 23 23-0998	EA		2" Globe Valve, Stainless Steel, Flanged	1,759.95	141.39
			<i>For Work In Restricted Working Space, Add</i>	53.03	
			<i>For Class 200, Deduct</i>	-423.50	
			<i>For Class 300, Add</i>	1,488.18	
40 05 23 23-0999	EA		2-1/2" Globe Valve, Stainless Steel, Flanged	3,525.85	153.80
			<i>For Work In Restricted Working Space, Add</i>	57.86	
			<i>For Class 300, Add</i>	3,133.02	
40 05 23 23-1000	EA		3" Globe Valve, Stainless Steel, Flanged	3,651.26	180.32
			<i>For Work In Restricted Working Space, Add</i>	67.70	
			<i>For Class 300, Add</i>	3,220.05	
40 05 23 23-1001	EA		4" Globe Valve, Stainless Steel, Flanged	4,359.89	302.30
			<i>For Work In Restricted Working Space, Add</i>	113.65	
			<i>For Class 300, Add</i>	3,742.21	
40 05 23 23-1002	EA		6" Globe Valve, Stainless Steel, Flanged	8,024.55	381.85
			<i>For Work In Restricted Working Space, Add</i>	143.71	
			<i>For Class 300, Add</i>	7,092.79	
<b>40 05 23 23-1003</b>			<b>Check Valves, Class 150</b> (40 05 23 23-0978)		
40 05 23 23-1004	EA		2-1/2" Check Valve, Stainless Steel, Flanged	1,602.37	153.80
			<i>For Class 300, Add</i>	1,324.95	
			<i>For Work In Restricted Working Space, Add</i>	57.86	
40 05 23 23-1005	EA		3" Check Valve, Stainless Steel, Flanged	1,679.15	180.32
			<i>For Class 300, Add</i>	1,366.26	
			<i>For Work In Restricted Working Space, Add</i>	67.70	
40 05 23 23-1006	EA		4" Check Valve, Stainless Steel, Flanged	2,640.85	302.30
			<i>For Class 300, Add</i>	2,126.31	
			<i>For Work In Restricted Working Space, Add</i>	113.65	
40 05 23 23-1007	EA		6" Check Valve, Stainless Steel, Flanged	4,521.81	381.85
			<i>For Class 300, Add</i>	3,800.21	
			<i>For Work In Restricted Working Space, Add</i>	143.71	
40 05 23 23-1008	EA		8" Check Valve, Stainless Steel, Flanged	7,921.62	487.92
			<i>For Class 300, Add</i>	6,876.58	
			<i>For Work In Restricted Working Space, Add</i>	181.83	
<b>40 05 23 23-1009</b>			<b>Stainless Steel Thread-O-Let Fittings</b> (40 05 23 23-0231)		
40 05 23 23-1010	EA		1/2", Stainless Steel Thread-o-let Fitting	83.25	30.79
			<i>For Work In Restricted Working Space, Add</i>	20.53	
40 05 23 23-1011	EA		3/4", Stainless Steel Thread-o-let Fitting	109.77	41.05
			<i>For Work In Restricted Working Space, Add</i>	27.37	
40 05 23 23-1012	EA		1", Stainless Steel Thread-o-let Fitting	135.20	50.91
			<i>For Work In Restricted Working Space, Add</i>	33.94	
40 05 23 23-1013	EA		1-1/4", Stainless Steel Thread-o-let Fitting	194.34	72.04
			<i>For Work In Restricted Working Space, Add</i>	48.03	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1014 EA 1-1/2", Stainless Steel Thread-o-let Fitting ..... <i>For Work In Restricted Working Space, Add</i>	214.77 54.16	81.25
40 05 23 23-1015 EA 2", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	268.32 68.80	103.21
40 05 23 23-1016 EA 2-1/2", Stainless Steel Thread-o-let Fitting ..... <i>For Work In Restricted Working Space, Add</i>	484.30 106.07	159.11
40 05 23 23-1017 EA 3", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	650.67 135.41	203.12
40 05 23 23-1018 EA 4", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	860.51 169.71	254.56
<b>40 05 23 23-1019 Stainless Steel Flanges</b> (40 05 23 23-0231)		
<b>40 05 23 23-1020 150#, Type 304 Stainless Steel Raised Face Threaded Flange</b> (40 05 23 23-1019)		
40 05 23 23-1021 EA 1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	81.27 10.27	17.11
40 05 23 23-1022 EA 3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	97.90 13.69	22.82
40 05 23 23-1023 EA 1", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	115.13 16.97	28.29
40 05 23 23-1024 EA 1-1/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	154.29 24.02	40.03
40 05 23 23-1025 EA 1-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	164.51 27.08	45.14
40 05 23 23-1026 EA 2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	211.93 34.40	57.33
40 05 23 23-1027 EA 2-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	312.70 53.03	88.36
40 05 23 23-1028 EA 3", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	367.88 67.70	180.32
40 05 23 23-1029 EA 4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	477.33 84.86	141.39
<b>40 05 23 23-1030 300#, Type 304 Stainless Steel Raised Face Threaded Flange</b> (40 05 23 23-1019)		
40 05 23 23-1031 EA 1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	108.46 10.27	17.11
40 05 23 23-1032 EA 3/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	119.86 13.69	22.82
40 05 23 23-1033 EA 1", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	130.81 16.97	28.29
40 05 23 23-1034 EA 1-1/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	194.05 24.02	40.03
40 05 23 23-1035 EA 1-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	204.27 27.08	45.14
40 05 23 23-1036 EA 2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	252.70 34.40	57.33
40 05 23 23-1037 EA 2-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	403.68 53.03	88.36
40 05 23 23-1038 EA 3", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	460.92 67.70	180.32
40 05 23 23-1039 EA 4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	620.59 84.86	141.39
<b>40 05 23 23-1040 150#, Type 304 Stainless Steel Raised Face Weld Neck Flange</b> (40 05 23 23-1019)		
40 05 23 23-1041 EA 1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	103.52 16.94	25.41
40 05 23 23-1042 EA 3/4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	112.22 17.98	26.97
40 05 23 23-1043 EA 1", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	126.50 19.76	29.64
40 05 23 23-1044 EA 1-1/4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	158.66 21.56	32.33
40 05 23 23-1045 EA 1-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	166.01 23.76	35.64
40 05 23 23-1046 EA 2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	184.43 26.47	39.70
40 05 23 23-1047 EA 2-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	258.18 33.84	50.76
40 05 23 23-1048 EA 3", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	291.02 39.62	59.44
40 05 23 23-1049 EA 4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	379.92 47.48	71.21
40 05 23 23-1050 EA 6", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	580.40 59.32	88.98
40 05 23 23-1051 EA 8", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	985.15 101.08	151.62
40 05 23 23-1052 EA 10", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,405.89 134.78	202.16
40 05 23 23-1053 EA 12", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,166.84 202.16	303.24

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1054 EA 14", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,726.30 235.86	353.79
40 05 23 23-1055 EA 16", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,428.52 269.04	403.56
40 05 23 23-1056 EA 18", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,198.62 336.94	505.41
40 05 23 23-1057 EA 20", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	5,403.99 471.72	707.57
40 05 23 23-1058 EA 24", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	7,675.99 673.88	1,010.82
<b>40 05 23 23-1059 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)</b>		
40 05 23 23-1060 EA 1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	135.94 16.94	25.41
40 05 23 23-1061 EA 3/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	139.41 17.98	26.97
40 05 23 23-1062 EA 1" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	145.35 19.76	29.64
40 05 23 23-1063 EA 1-1/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	195.20 21.56	32.33
40 05 23 23-1064 EA 1-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	202.55 23.76	35.64
40 05 23 23-1065 EA 2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	215.79 26.47	39.70
40 05 23 23-1066 EA 2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	312.51 33.84	50.76
40 05 23 23-1067 EA 3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	351.64 39.62	59.44
40 05 23 23-1068 EA 4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	522.06 47.48	71.21
40 05 23 23-1069 EA 6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	741.39 59.32	88.98
40 05 23 23-1070 EA 8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,386.62 101.08	151.62
40 05 23 23-1071 EA 10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,935.98 134.78	202.16
40 05 23 23-1072 EA 12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,840.19 202.16	303.24
40 05 23 23-1073 EA 14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,790.72 235.86	353.79
40 05 23 23-1074 EA 16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,701.44 269.04	403.56
40 05 23 23-1075 EA 18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	6,011.23 336.94	505.41
40 05 23 23-1076 EA 20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	7,723.14 471.72	707.57
40 05 23 23-1077 EA 24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	11,257.79 673.88	1,010.82
<b>40 05 23 23-1078 150#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)</b>		
40 05 23 23-1079 EA 1/2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	154.75 33.88	50.81
40 05 23 23-1080 EA 3/4", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	162.75 35.96	53.93
40 05 23 23-1081 EA 1", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	178.80 39.53	59.28
40 05 23 23-1082 EA 1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	207.50 43.11	64.66
40 05 23 23-1083 EA 1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	222.18 47.52	71.27
40 05 23 23-1084 EA 2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	259.09 52.94	79.39
40 05 23 23-1085 EA 2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	341.69 67.69	101.53
40 05 23 23-1086 EA 3", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	388.62 79.25	118.86
40 05 23 23-1087 EA 4", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	485.91 94.96	142.44
40 05 23 23-1088 EA 6", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	653.72 118.64	177.95
40 05 23 23-1089 EA 8", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,162.15 202.16	303.24
40 05 23 23-1090 EA 10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,656.50 269.55	404.32
40 05 23 23-1091 EA 12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	2,467.50 404.33	606.48
<b>40 05 23 23-1092 300#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)</b>		
40 05 23 23-1093 EA 1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	175.66 33.88	50.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1094 EA 3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	182.60 35.96	53.93
40 05 23 23-1095 EA 1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	194.48 39.53	59.28
40 05 23 23-1096 EA 1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	239.92 43.11	64.66
40 05 23 23-1097 EA 1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	254.60 47.52	71.27
40 05 23 23-1098 EA 2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	281.00 52.94	79.39
40 05 23 23-1099 EA 2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	423.27 67.69	101.53
40 05 23 23-1100 EA 3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	470.15 79.25	118.86
40 05 23 23-1101 EA 4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	598.81 94.96	142.44
40 05 23 23-1102 EA 6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	972.60 118.64	177.95
40 05 23 23-1103 EA 8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,484.15 202.16	303.24
40 05 23 23-1104 EA 10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	2,175.08 269.55	404.32
40 05 23 23-1105 EA 12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	3,134.56 404.33	606.48
<b>40 05 23 23-1106 150#, Type 304 Stainless Steel Blind Flanges</b> (40 05 23 23-1019)		
40 05 23 23-1107 EA 1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	67.20 6.77	10.16
40 05 23 23-1108 EA 3/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	69.96 7.19	10.78
40 05 23 23-1109 EA 1", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	75.51 7.91	11.84
40 05 23 23-1110 EA 1-1/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	99.39 8.80	13.19
40 05 23 23-1111 EA 1-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	109.69 11.89	17.83
40 05 23 23-1112 EA 2", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	130.80 13.20	19.79
40 05 23 23-1113 EA 2-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	179.92 16.97	25.45
40 05 23 23-1114 EA 3", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	215.18 23.78	35.67
40 05 23 23-1115 EA 4", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	322.36 39.62	59.43
40 05 23 23-1116 EA 6", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	447.93 50.94	76.41
40 05 23 23-1117 EA 8", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	718.83 62.90	94.35
40 05 23 23-1118 EA 10", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,136.10 75.48	113.22
40 05 23 23-1119 EA 12", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,511.57 94.34	141.51
40 05 23 23-1120 EA 14", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,924.48 117.93	176.90
40 05 23 23-1121 EA 16", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	2,508.60 134.52	201.78
40 05 23 23-1122 EA 18", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	2,952.28 168.47	252.70
40 05 23 23-1123 EA 20", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	3,904.03 235.86	353.79
40 05 23 23-1124 EA 24", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	5,695.22 336.94	505.41
<b>40 05 23 23-1125 300#, Type 304 Stainless Steel Blind Flanges</b> (40 05 23 23-1019)		
40 05 23 23-1126 EA 1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	88.48 6.77	10.16
40 05 23 23-1127 EA 3/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	89.87 7.19	10.78
40 05 23 23-1128 EA 1", 300#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	92.25 7.91	11.84
40 05 23 23-1129 EA 1-1/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	119.24 8.80	13.19
40 05 23 23-1130 EA 1-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	129.54 11.89	17.83
40 05 23 23-1131 EA 2", 300#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	141.25 13.20	19.79
40 05 23 23-1132 EA 2-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	253.10 16.97	25.45
40 05 23 23-1133 EA 3", 300#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	283.66 23.78	35.67
40 05 23 23-1134 EA 4", 300#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	408.06 39.62	59.43

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1135 EA 6", 300#, Type 304 Stainless Steel Raised Face Blind Flange .....	801.28	76.41
<i>For Work In Restricted Working Space, Add</i>	50.94	
40 05 23 23-1136 EA 8", 300#, Type 304 Stainless Steel Raised Face Blind Flange .....	1,141.21	94.35
<i>For Work In Restricted Working Space, Add</i>	62.90	
40 05 23 23-1137 EA 10", 300#, Type 304 Stainless Steel Raised Face Blind Flange .....	1,650.45	113.22
<i>For Work In Restricted Working Space, Add</i>	75.48	
40 05 23 23-1138 EA 12", 300#, Type 304 Stainless Steel Raised Face Blind Flange .....	2,300.93	141.51
<i>For Work In Restricted Working Space, Add</i>	94.34	
40 05 23 23-1139 EA 14", 300#, Type 304 Stainless Steel Raised Face Blind Flange .....	3,241.04	176.90
<i>For Work In Restricted Working Space, Add</i>	117.93	
40 05 23 23-1140 EA 16", 300#, Type 304 Stainless Steel Raised Face Blind Flange .....	4,170.81	201.78
<i>For Work In Restricted Working Space, Add</i>	134.52	
40 05 23 23-1141 EA 18", 300#, Type 304 Stainless Steel Raised Face Blind Flange .....	5,453.87	252.70
<i>For Work In Restricted Working Space, Add</i>	168.47	
40 05 23 23-1142 EA 20", 300#, Type 304 Stainless Steel Raised Face Blind Flange .....	6,872.03	353.79
<i>For Work In Restricted Working Space, Add</i>	235.86	
40 05 23 23-1143 EA 24", 300#, Type 304 Stainless Steel Raised Face Blind Flange .....	10,576.86	505.41
<i>For Work In Restricted Working Space, Add</i>	336.94	
<b>40 05 23 23-1144 150#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)</b>		
40 05 23 23-1145 EA 1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	100.12	17.11
<i>For Work In Restricted Working Space, Add</i>	10.27	
40 05 23 23-1146 EA 3/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	121.97	22.82
<i>For Work In Restricted Working Space, Add</i>	13.69	
40 05 23 23-1147 EA 1", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	138.10	28.29
<i>For Work In Restricted Working Space, Add</i>	16.97	
40 05 23 23-1148 EA 1-1/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	188.77	40.03
<i>For Work In Restricted Working Space, Add</i>	24.02	
40 05 23 23-1149 EA 1-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	198.99	45.14
<i>For Work In Restricted Working Space, Add</i>	27.08	
40 05 23 23-1150 EA 2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	249.58	57.33
<i>For Work In Restricted Working Space, Add</i>	34.40	
40 05 23 23-1151 EA 2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	367.08	88.36
<i>For Work In Restricted Working Space, Add</i>	53.03	
40 05 23 23-1152 EA 3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	437.95	180.32
<i>For Work In Restricted Working Space, Add</i>	67.70	
40 05 23 23-1153 EA 4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	575.60	141.39
<i>For Work In Restricted Working Space, Add</i>	84.86	
<b>40 05 23 23-1154 300#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)</b>		
40 05 23 23-1155 EA 1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	135.66	17.11
<i>For Work In Restricted Working Space, Add</i>	10.27	
40 05 23 23-1156 EA 3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	147.06	22.82
<i>For Work In Restricted Working Space, Add</i>	13.69	
40 05 23 23-1157 EA 1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	158.01	28.29
<i>For Work In Restricted Working Space, Add</i>	16.97	
40 05 23 23-1158 EA 1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	246.33	40.03
<i>For Work In Restricted Working Space, Add</i>	24.02	
40 05 23 23-1159 EA 1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	256.55	45.14
<i>For Work In Restricted Working Space, Add</i>	27.08	
40 05 23 23-1160 EA 2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	298.69	57.33
<i>For Work In Restricted Working Space, Add</i>	34.40	
40 05 23 23-1161 EA 2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	507.17	88.36
<i>For Work In Restricted Working Space, Add</i>	53.03	
40 05 23 23-1162 EA 3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	566.53	180.32
<i>For Work In Restricted Working Space, Add</i>	67.70	
40 05 23 23-1163 EA 4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	788.87	141.39
<i>For Work In Restricted Working Space, Add</i>	84.86	
<b>40 05 23 23-1164 150#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)</b>		
40 05 23 23-1165 EA 1/2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	127.54	25.41
<i>For Work In Restricted Working Space, Add</i>	16.94	
40 05 23 23-1166 EA 3/4", 150#, Type 316 Stainless Steel Weld Neck Flange.....	136.29	26.97
<i>For Work In Restricted Working Space, Add</i>	17.98	
40 05 23 23-1167 EA 1", 150#, Type 316 Stainless Steel Weld Neck Flange.....	153.69	29.64
<i>For Work In Restricted Working Space, Add</i>	19.76	
40 05 23 23-1168 EA 1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange.....	194.20	32.33
<i>For Work In Restricted Working Space, Add</i>	21.56	
40 05 23 23-1169 EA 1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	201.55	35.64
<i>For Work In Restricted Working Space, Add</i>	23.76	
40 05 23 23-1170 EA 2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	221.02	39.70
<i>For Work In Restricted Working Space, Add</i>	26.47	
40 05 23 23-1171 EA 2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	319.80	50.76
<i>For Work In Restricted Working Space, Add</i>	33.84	
40 05 23 23-1172 EA 3", 150#, Type 316 Stainless Steel Weld Neck Flange.....	346.41	59.44
<i>For Work In Restricted Working Space, Add</i>	39.62	
40 05 23 23-1173 EA 4", 150#, Type 316 Stainless Steel Weld Neck Flange.....	474.01	71.21
<i>For Work In Restricted Working Space, Add</i>	47.48	
40 05 23 23-1174 EA 6", 150#, Type 316 Stainless Steel Weld Neck Flange.....	743.50	88.98
<i>For Work In Restricted Working Space, Add</i>	59.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1175 EA 8", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,237.13 101.08	151.62
40 05 23 23-1176 EA 10", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,826.20 134.78	202.16
40 05 23 23-1177 EA 12", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,722.07 202.16	303.24
40 05 23 23-1178 EA 14", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,186.14 235.86	353.79
40 05 23 23-1179 EA 16", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,028.58 269.04	403.56
40 05 23 23-1180 EA 18", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,927.57 336.94	505.41
40 05 23 23-1181 EA 20", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	6,312.15 471.72	707.57
40 05 23 23-1182 EA 24", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	8,962.93 673.88	1,010.82
<b>40 05 23 23-1183 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange</b> (40 05 23 23-1019)		
40 05 23 23-1184 EA 1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	167.30 16.94	25.41
40 05 23 23-1185 EA 3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	170.77 17.98	26.97
40 05 23 23-1186 EA 1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	176.71 19.76	29.64
40 05 23 23-1187 EA 1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	238.13 21.56	32.33
40 05 23 23-1188 EA 1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	245.48 23.76	35.64
40 05 23 23-1189 EA 2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	268.07 26.47	39.70
40 05 23 23-1190 EA 2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	402.44 33.84	50.76
40 05 23 23-1191 EA 3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	436.33 39.62	59.44
40 05 23 23-1192 EA 4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	678.89 47.48	71.21
40 05 23 23-1193 EA 6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,129.29 59.32	88.98
40 05 23 23-1194 EA 8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,782.91 101.08	151.62
40 05 23 23-1195 EA 10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,577.91 134.78	202.16
40 05 23 23-1196 EA 12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,783.20 202.16	303.24
40 05 23 23-1197 EA 14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	5,162.31 235.86	353.79
40 05 23 23-1198 EA 16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	6,438.27 269.04	403.56
40 05 23 23-1199 EA 18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	8,242.67 336.94	505.41
40 05 23 23-1200 EA 20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	10,530.99 471.72	707.57
40 05 23 23-1201 EA 24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	15,371.59 673.88	1,010.82
<b>40 05 23 23-1202 150#, Type 316 Stainless Steel Raised Face Slip-On Flanges</b> (40 05 23 23-1019)		
40 05 23 23-1203 EA 1/2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	167.32 33.88	50.81
40 05 23 23-1204 EA 3/4", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	181.60 35.96	53.93
40 05 23 23-1205 EA 1", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	200.39 39.53	59.28
40 05 23 23-1206 EA 1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	286.28 43.11	64.66
40 05 23 23-1207 EA 1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	247.26 47.52	71.27
40 05 23 23-1208 EA 2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	265.32 52.94	79.39
40 05 23 23-1209 EA 2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	337.52 67.69	101.53
40 05 23 23-1210 EA 3", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	424.15 79.25	118.86
40 05 23 23-1211 EA 4", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	561.16 94.96	142.44
40 05 23 23-1212 EA 6", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	765.56 118.64	177.95
40 05 23 23-1213 EA 8", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,393.17 202.16	303.24
40 05 23 23-1214 EA 10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,972.27 269.55	404.32
40 05 23 23-1215 EA 12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	2,889.87 404.33	606.48

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
<b>40 05 23 23-1216 300#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)</b>			
40 05 23 23-1217	EA 1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	196.57 33.88	50.81
40 05 23 23-1218	EA 3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	203.51 35.96	53.93
40 05 23 23-1219	EA 1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	215.39 39.53	59.28
40 05 23 23-1220	EA 1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	280.68 43.11	64.66
40 05 23 23-1221	EA 1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	295.36 47.52	71.27
40 05 23 23-1222	EA 2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	319.55 52.94	79.39
40 05 23 23-1223	EA 2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	514.20 67.69	101.53
40 05 23 23-1224	EA 3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	563.19 79.25	118.86
40 05 23 23-1225	EA 4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	743.07 94.96	142.44
40 05 23 23-1226	EA 6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,182.76 118.64	177.95
40 05 23 23-1227	EA 8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,700.59 202.16	303.24
40 05 23 23-1228	EA 10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	2,879.74 269.55	404.32
40 05 23 23-1229	EA 12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	3,755.58 404.33	606.48
<b>40 05 23 23-1230 150#, Type 316 Stainless Steel Blind Flanges (40 05 23 23-1019)</b>			
40 05 23 23-1231	EA 1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	76.97 6.77	10.16
40 05 23 23-1232	EA 3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	87.76 7.19	10.78
40 05 23 23-1233	EA 1", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	99.54 7.91	11.84
40 05 23 23-1234	EA 1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	118.19 8.80	13.19
40 05 23 23-1235	EA 1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	128.49 11.89	17.83
40 05 23 23-1236	EA 2", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	162.16 13.20	19.79
40 05 23 23-1237	EA 2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	229.08 16.97	25.45
40 05 23 23-1238	EA 3", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	269.56 23.78	35.67
40 05 23 23-1239	EA 4", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	414.35 39.62	59.43
40 05 23 23-1240	EA 6", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	595.35 50.94	76.41
40 05 23 23-1241	EA 8", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,071.14 62.90	94.35
40 05 23 23-1242	EA 10", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,414.21 75.48	113.22
40 05 23 23-1243	EA 12", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	2,313.50 94.34	141.51
40 05 23 23-1244	EA 14", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	2,745.51 117.93	176.90
40 05 23 23-1245	EA 16", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	3,613.15 134.52	201.78
40 05 23 23-1246	EA 18", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	4,234.03 168.47	252.70
40 05 23 23-1247	EA 20", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	5,575.62 235.86	353.79
40 05 23 23-1248	EA 24", 150#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	8,146.50 336.94	505.41
<b>40 05 23 23-1249 300#, Type 316 Stainless Steel Blind Flanges (40 05 23 23-1019)</b>			
40 05 23 23-1250	EA 1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	124.02 6.77	10.16
40 05 23 23-1251	EA 3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	125.41 7.19	10.78
40 05 23 23-1252	EA 1", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	127.79 7.91	11.84
40 05 23 23-1253	EA 1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	195.60 8.80	13.19
40 05 23 23-1254	EA 1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	205.90 11.89	17.83
40 05 23 23-1255	EA 2", 300#, Type 316 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	228.01 13.20	19.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1256 EA 2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange.....	386.96	25.45
<i>For Work In Restricted Working Space, Add</i>	16.97	
40 05 23 23-1257 EA 3", 300#, Type 316 Stainless Steel Raised Face Blind Flange.....	420.11	35.67
<i>For Work In Restricted Working Space, Add</i>	23.78	
40 05 23 23-1258 EA 4", 300#, Type 316 Stainless Steel Raised Face Blind Flange.....	638.07	59.43
<i>For Work In Restricted Working Space, Add</i>	39.62	
40 05 23 23-1259 EA 6", 300#, Type 316 Stainless Steel Raised Face Blind Flange.....	1,193.40	76.41
<i>For Work In Restricted Working Space, Add</i>	50.94	
40 05 23 23-1260 EA 8", 300#, Type 316 Stainless Steel Raised Face Blind Flange.....	1,546.89	94.35
<i>For Work In Restricted Working Space, Add</i>	62.90	
40 05 23 23-1261 EA 10", 300#, Type 316 Stainless Steel Raised Face Blind Flange.....	2,829.82	113.22
<i>For Work In Restricted Working Space, Add</i>	75.48	
40 05 23 23-1262 EA 12", 300#, Type 316 Stainless Steel Raised Face Blind Flange.....	3,447.87	141.51
<i>For Work In Restricted Working Space, Add</i>	94.34	
40 05 23 23-1263 EA 14", 300#, Type 316 Stainless Steel Raised Face Blind Flange.....	5,002.67	176.90
<i>For Work In Restricted Working Space, Add</i>	117.93	
40 05 23 23-1264 EA 16", 300#, Type 316 Stainless Steel Raised Face Blind Flange.....	6,473.36	201.78
<i>For Work In Restricted Working Space, Add</i>	134.52	
40 05 23 23-1265 EA 18", 300#, Type 316 Stainless Steel Raised Face Blind Flange.....	8,408.08	252.70
<i>For Work In Restricted Working Space, Add</i>	168.47	
40 05 23 23-1266 EA 20", 300#, Type 316 Stainless Steel Raised Face Blind Flange.....	10,636.51	353.79
<i>For Work In Restricted Working Space, Add</i>	235.86	
40 05 23 23-1267 EA 24", 300#, Type 316 Stainless Steel Raised Face Blind Flange.....	16,424.61	505.41
<i>For Work In Restricted Working Space, Add</i>	336.94	
<b>40 05 23 23-1268 Type 316 Seamless Annealed Tubing (40 05 23 23)</b>		
Note: For high pressure air (8000 PSIG working pressure).		
<b>40 05 23 23-1269 Type 316 Seamless Annealed Tubing (40 05 23 23-1268)</b>		
40 05 23 23-1270 LF 3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness.....	21.42	
40 05 23 23-1271 LF 1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness.....	26.93	
40 05 23 23-1272 LF 3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness.....	32.60	
<b>40 05 23 23-1273 Type 316 Seamless Annealed Tubing Fittings (40 05 23 23-1268)</b>		
Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.		
40 05 23 23-1274 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules.....	68.91	
40 05 23 23-1275 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules.....	79.10	
40 05 23 23-1276 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules.....	121.74	
40 05 23 23-1277 EA 3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules.....	53.69	
40 05 23 23-1278 EA 3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	88.70	
40 05 23 23-1279 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules.....	68.14	
40 05 23 23-1280 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules.....	82.73	
40 05 23 23-1281 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules.....	127.25	
40 05 23 23-1282 EA 1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules.....	80.62	
40 05 23 23-1283 EA 1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	125.11	
40 05 23 23-1284 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules.....	80.26	
40 05 23 23-1285 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules.....	103.04	
40 05 23 23-1286 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules.....	169.64	
40 05 23 23-1287 EA 3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules.....	139.48	
40 05 23 23-1288 EA 3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	172.36	
<b>40 05 23 23-1289 Valves For High Pressure Air (5,000 PSIG) (40 05 23 23-1268)</b>		
<b>40 05 23 23-1290 Needle Valves (40 05 23 23-1289)</b>		
40 05 23 23-1291 EA 3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge.....	306.97	
40 05 23 23-1292 EA 1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge.....	485.40	
<b>40 05 23 23-1293 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG (40 05 23 23-1289)</b>		
40 05 23 23-1294 EA 1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction.....	293.82	
<b>40 05 23 23-1295 Other Valves Working Pressure 6,000 PSI (40 05 23 23-1289)</b>		
40 05 23 23-1296 EA 1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG.....	1,206.51	
40 05 23 23-1297 EA 1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back.....	305.47	
40 05 23 23-1298 EA Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element.....	60.78	
<b>40 05 41 Glass Process Pipe (40 05)</b>		
<b>40 05 41 00-0001 Glass Pressure Pipe (40 05 41)</b>		
<b>40 05 41 00-0002 Glass Pipe, Beaded Joints (40 05 41 00-0001)</b>		
40 05 41 00-0003 LF 1/2" Glass Pipe, Pressure.....	37.47	14.65
<i>For Work In Restricted Working Space, Add</i>	8.79	
40 05 41 00-0004 LF 3/4" Glass Pipe, Pressure.....	44.97	17.57
<i>For Work In Restricted Working Space, Add</i>	10.55	
40 05 41 00-0005 LF 1" Glass Pipe, Pressure.....	51.81	19.53
<i>For Work In Restricted Working Space, Add</i>	11.72	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 41 Glass Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 41 00-0006 LF 1-1/2" Glass Pipe, Pressure.....	68.71	26.36
<i>For Work In Restricted Working Space, Add</i>	15.82	
40 05 41 00-0007 LF 2" Glass Pipe, Pressure.....	83.65	31.25
<i>For Work In Restricted Working Space, Add</i>	18.75	
40 05 41 00-0008 LF 3" Glass Pipe, Pressure.....	102.47	36.13
<i>For Work In Restricted Working Space, Add</i>	21.68	
40 05 41 00-0009 LF 4" Glass Pipe, Pressure.....	139.96	48.82
<i>For Work In Restricted Working Space, Add</i>	29.29	
40 05 41 00-0010 LF 6" Glass Pipe, Pressure.....	193.08	58.59
<i>For Work In Restricted Working Space, Add</i>	35.15	
<b>40 05 41 00-0011 Glass 90 Degree Elbows (40 05 41 00-0001)</b>		
40 05 41 00-0012 EA 1/2" 90 Degree Elbow, Glass, Pressure.....	175.34	78.11
<i>For Work In Restricted Working Space, Add</i>	46.87	
40 05 41 00-0013 EA 3/4" 90 Degree Elbow, Glass, Pressure.....	188.50	82.99
<i>For Work In Restricted Working Space, Add</i>	49.80	
40 05 41 00-0014 EA 1" 90 Degree Elbow, Glass, Pressure.....	205.21	87.87
<i>For Work In Restricted Working Space, Add</i>	52.73	
40 05 41 00-0015 EA 1-1/2" 90 Degree Elbow, Glass, Pressure.....	226.69	97.64
<i>For Work In Restricted Working Space, Add</i>	58.58	
40 05 41 00-0016 EA 2" 90 Degree Elbow, Glass, Pressure.....	256.70	107.41
<i>For Work In Restricted Working Space, Add</i>	64.45	
40 05 41 00-0017 EA 3" 90 Degree Elbow, Glass, Pressure.....	320.60	126.93
<i>For Work In Restricted Working Space, Add</i>	76.16	
40 05 41 00-0018 EA 4" 90 Degree Elbow, Glass, Pressure.....	366.27	136.69
<i>For Work In Restricted Working Space, Add</i>	82.01	
40 05 41 00-0019 EA 6" 90 Degree Elbow, Glass, Pressure.....	554.60	156.23
<i>For Work In Restricted Working Space, Add</i>	93.74	
<b>40 05 41 00-0020 Glass 45 Degree Elbows (40 05 41 00-0001)</b>		
40 05 41 00-0021 EA 1/2" 45 Degree Elbow, Glass, Pressure.....	174.57	78.11
<i>For Work In Restricted Working Space, Add</i>	46.87	
40 05 41 00-0022 EA 3/4" 45 Degree Elbow, Glass, Pressure.....	187.61	82.99
<i>For Work In Restricted Working Space, Add</i>	49.80	
40 05 41 00-0023 EA 1" 45 Degree Elbow, Glass, Pressure.....	204.01	87.87
<i>For Work In Restricted Working Space, Add</i>	52.72	
40 05 41 00-0024 EA 1-1/2" 45 Degree Elbow, Glass, Pressure.....	225.43	97.64
<i>For Work In Restricted Working Space, Add</i>	58.58	
40 05 41 00-0025 EA 2" 45 Degree Elbow, Glass, Pressure.....	255.00	107.41
<i>For Work In Restricted Working Space, Add</i>	64.44	
40 05 41 00-0026 EA 3" 45 Degree Elbow, Glass, Pressure.....	317.96	126.93
<i>For Work In Restricted Working Space, Add</i>	76.16	
40 05 41 00-0027 EA 4" 45 Degree Elbow, Glass, Pressure.....	362.56	136.69
<i>For Work In Restricted Working Space, Add</i>	82.01	
40 05 41 00-0028 EA 6" 45 Degree Elbow, Glass, Pressure.....	544.79	156.23
<i>For Work In Restricted Working Space, Add</i>	93.71	
<b>40 05 41 00-0029 Glass Tees (40 05 41 00-0001)</b>		
40 05 41 00-0030 EA 1/2" Tee, Glass, Pressure.....	267.09	117.17
<i>For Work In Restricted Working Space, Add</i>	70.31	
40 05 41 00-0031 EA 3/4" Tee, Glass, Pressure.....	287.04	126.93
<i>For Work In Restricted Working Space, Add</i>	76.16	
40 05 41 00-0032 EA 1" Tee, Glass, Pressure.....	310.00	136.69
<i>For Work In Restricted Working Space, Add</i>	82.01	
40 05 41 00-0033 EA 1-1/2" Tee, Glass, Pressure.....	346.52	146.46
<i>For Work In Restricted Working Space, Add</i>	87.86	
40 05 41 00-0034 EA 2" Tee, Glass, Pressure.....	385.07	161.11
<i>For Work In Restricted Working Space, Add</i>	96.68	
40 05 41 00-0035 EA 3" Tee, Glass, Pressure.....	467.78	195.28
<i>For Work In Restricted Working Space, Add</i>	117.17	
40 05 41 00-0036 EA 4" Tee, Glass, Pressure.....	539.48	204.95
<i>For Work In Restricted Working Space, Add</i>	122.97	
40 05 41 00-0037 EA 6" Tee, Glass, Pressure.....	694.95	234.24
<i>For Work In Restricted Working Space, Add</i>	140.56	
<b>40 05 41 00-0038 Glass Couplings, Vitron Liner (40 05 41 00-0001)</b>		
40 05 41 00-0039 EA 1/2" Coupling, Vitron Liner, Glass.....	27.48	
40 05 41 00-0040 EA 3/4" Coupling, Vitron Liner, Glass.....	31.41	
40 05 41 00-0041 EA 1" Coupling, Vitron Liner, Glass.....	36.65	
40 05 41 00-0042 EA 1-1/2" Coupling, Vitron Liner, Glass.....	41.88	
40 05 41 00-0043 EA 2" Coupling, Vitron Liner, Glass.....	50.39	
40 05 41 00-0044 EA 3" Coupling, Vitron Liner, Glass.....	92.27	
40 05 41 00-0045 EA 4" Coupling, Vitron Liner, Glass.....	111.25	
40 05 41 00-0046 EA 6" Coupling, Vitron Liner, Glass.....	222.49	





<b>Process Interconnections</b>	<b>40</b>	<b>40</b>
Common Work Results For Process Interconnections	40 05	
Glass Process Pipe	40 05 41	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**END OF SECTION 40**

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

40 05 41 Glass Process Pipe



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 41 Material Processing and Handling Equipment

### 41 01 Operation and Maintenance of Material Processing and Handling Equipment <sup>(41)</sup>

#### 41 01 20 Operation and Maintenance of Piece Material Handling Equipment <sup>(41 01)</sup>

##### 41 01 20 13 Operation And Maintenance Of Hoists Or Cranes <sup>(41 01 20)</sup>

##### 41 01 20 13-0001 Maintenance <sup>(41 01 20 13)</sup>

41 01 20 13-0002	EA	Regular Inspection.....	384.03	
41 01 20 13-0003	HR	Hoist Or Crane Servicing, Labor Only.....	114.86	
41 01 20 13-0004	MO	Hoist Or Crane Maintenance Contract.....	871.45	

### 41 20 Piece Material Handling Equipment <sup>(41)</sup>

#### 41 22 Cranes and Hoists <sup>(41 20)</sup>

##### 41 22 23 Hoists <sup>(41 22)</sup>

##### 41 22 23 13 Fixed Hoists <sup>(41 22 23)</sup>

##### 41 22 23 13-0001 Air-Powered Chain Hoists <sup>(41 22 23 13)</sup>

Note: Excludes beam.

41 22 23 13-0002	EA	500 LB Capacity, Air-Powered Chain Hoist.....	6,525.72	384.88
41 22 23 13-0003	EA	1,000 LB Capacity, Air-Powered Chain Hoist.....	6,601.40	384.88
41 22 23 13-0004	EA	2,000 LB Capacity, Air-Powered Chain Hoist.....	7,953.07	384.88
41 22 23 13-0005	EA	4,000 LB Capacity, Air-Powered Chain Hoist.....	10,044.44	513.18
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist.....	12,678.14	641.47
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist.....	14,929.77	942.70
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist.....	17,239.75	1,138.61
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist.....	19,234.42	1,138.61

##### 41 22 23 13-0010 Electric Hoists <sup>(41 22 23 13)</sup>

##### 41 22 23 13-0011 Electric Industrial Chain Hoists <sup>(41 22 23 13-0010)</sup>

Note: Includes 20' of chain. Excludes beams.

41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist.....	4,608.45	372.05
		<i>For DC Electrical Operated, Add</i>	965.52	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist.....	4,819.15	372.05
		<i>For DC Electrical Operated, Add</i>	1,017.69	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist.....	5,347.43	372.05
		<i>For DC Electrical Operated, Add</i>	1,146.70	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist.....	8,168.70	384.88
		<i>For DC Electrical Operated, Add</i>	1,843.89	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist.....	7,003.62	384.88
		<i>For DC Electrical Operated, Add</i>	1,550.33	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0017	EA	5,000 LB Capacity, Electric Industrial Chain Hoist.....	10,106.63	397.71
		<i>For DC Electrical Operated, Add</i>	2,315.75	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0018	EA	6,000 LB Capacity, Electric Industrial Chain Hoist.....	9,071.43	436.20
		<i>For DC Electrical Operated, Add</i>	2,021.05	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0019	EA	7,500 LB Capacity, Electric Industrial Chain Hoist.....	11,282.15	538.84
		<i>For DC Electrical Operated, Add</i>	2,567.45	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0020	EA	10,000 LB Capacity, Electric Industrial Chain Hoist.....	13,405.29	547.74
		<i>For DC Electrical Operated, Add</i>	3,114.42	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0021	EA	15,000 LB Capacity, Electric Industrial Chain Hoist.....	21,708.93	571.55
		<i>For DC Electrical Operated, Add</i>	5,141.21	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0022	EA	20,000 LB Capacity, Electric Industrial Chain Hoist.....	26,074.59	595.37
		<i>For DC Electrical Operated, Add</i>	6,220.25	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0023	EA	25,000 LB Capacity, Electric Industrial Chain Hoist.....	36,227.83	619.18
		<i>For DC Electrical Operated, Add</i>	8,745.84	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0024	EA	30,000 LB Capacity, Electric Industrial Chain Hoist.....	46,452.17	678.72
		<i>For DC Electrical Operated, Add</i>	11,272.01	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	

**41 Material Processing and Handling Equipment****41 20 Piece Material Handling Equipment****41 22 Cranes and Hoists**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
41 22 23 13-0025			Hand Chain Hoists <small>(41 22 23 13)</small>		
41 22 23 13-0026	EA		1,000 LB Capacity, Hand Chain Hoist.....	1,673.57	145.07
41 22 23 13-0027	EA		2,000 LB Capacity, Hand Chain Hoist.....	1,973.78	147.06
41 22 23 13-0028	EA		3,000 LB Capacity, Hand Chain Hoist.....	2,653.46	154.02
41 22 23 13-0029	EA		4,000 LB Capacity, Hand Chain Hoist.....	2,988.05	156.00
41 22 23 13-0030	EA		5,000 LB Capacity, Hand Chain Hoist.....	3,608.03	163.96
41 22 23 13-0031	EA		6,000 LB Capacity, Hand Chain Hoist.....	4,039.96	191.78
41 22 23 13-0032	EA		10,000 LB Capacity, Hand Chain Hoist.....	5,607.21	197.74
41 22 23 13-0033	EA		16,000 LB Capacity, Hand Chain Hoist.....	7,323.96	238.48
41 22 23 13-0034	EA		20,000 LB Capacity, Hand Chain Hoist.....	8,949.45	249.42
41 22 23 13-0035	EA		30,000 LB Capacity, Hand Chain Hoist.....	15,785.59	285.19

**END OF SECTION 41**



<b>Process Gas and Liquid Handling, Purification, and Storage Equipment</b>	<b>43</b>	<b>43</b>
<b>Gas Handling Equipment</b>	<b>43 10</b>	
Gas Fans, Blowers, Pumps And Boosters	43 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 10 Gas Handling Equipment <sup>(43)</sup>

43 11 Gas Fans, Blowers, Pumps And Boosters <sup>(43 10)</sup>

**43 11 43 Gas-handling Vacuum Pumps** <sup>(43 11)</sup>

43 11 43 00-0001 Vacuum Pumps <sup>(43 11 43)</sup>

43 11 43 00-0002	EA	20 SCFM, Duplex Vacuum Pump .....	5,139.23	657.88
43 11 43 00-0003	EA	60 SCFM, 10 HP Vacuum Pump .....	7,683.36	1,060.23
43 11 43 00-0004	EA	180 SCFM, Triplex Vacuum Pump .....	9,141.72	1,315.77
43 11 43 00-0005	EA	Vacuum Pressure Pump, Millipore #XX5500000 Or Equal, 115 Volt, 60 Hertz .....	1,620.35	488.01

43 20 Liquid Handling Equipment <sup>(43)</sup>

43 23 Dry Location Liquid Pumps <sup>(43 20)</sup>

**43 23 78 Controlled Volume Horizontal Reciprocating Pumps** <sup>(43 23)</sup>

**43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps** <sup>(43 23 78)</sup>

43 23 78 31-0001 Diaphragm Pump <sup>(43 23 78 31)</sup>

43 23 78 31-0002	EA	28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI .....	4,456.83	
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43 24 Suspended Liquid Pumps <sup>(43 20)</sup>

**43 24 41 Archimedes Screw Pumps** <sup>(43 24)</sup>

**43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps** <sup>(43 24 41)</sup>

43 24 41 23-0001 Positive Displacement Pump <sup>(43 24 41 23)</sup>

43 24 41 23-0002	EA	25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing.....	3,662.39	
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43 40 Gas and Liquid Storage <sup>(43)</sup>

43 42 Pressurized Tanks And Vessels <sup>(43 40)</sup>

**43 42 41 Metallic Specialty Pressure Tanks** <sup>(43 42)</sup>

43 42 41 00-0001 L.P.G. Tanks With Regulator And Safety Controls <sup>(43 42 41)</sup>

43 42 41 00-0002	EA	250 Gallon Aboveground LP Gas Storage Tank.....	1,991.21	126.17
43 42 41 00-0003	EA	500 Gallon Aboveground LP Gas Storage Tank.....	3,683.92	189.26
43 42 41 00-0004	EA	1,000 Gallon Aboveground LP Gas Storage Tank.....	5,275.69	201.88

**END OF SECTION 43**

**43 Process Gas and Liquid Handling, Purification, and Storage Equipment**

43 40 Gas and Liquid Storage

43 42 Pressurized Tanks And Vessels

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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